

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064785.D
 Acq On : 23 Nov 2020 15:54
 Operator : JC/MD
 Sample : VN1123WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:30 PM

Quant Time: Nov 24 03:42:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	194139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	299147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	272497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	107949	47.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.66%		
35) Dibromofluoromethane	7.55	113	89239	49.85	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.70%		
50) Toluene-d8	10.06	98	355896	48.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.32%		
62) 4-Bromofluorobenzene	12.37	95	126298	48.25	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.50%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	29697	17.650	ug/l 98
3) Chloromethane	2.04	50	38491	17.604	ug/l 97
4) Vinyl Chloride	2.16	62	39620	17.380	ug/l 95
5) Bromomethane	2.54	94	28071	18.769	ug/l 99
6) Chloroethane	2.68	64	25157	17.843	ug/l 94
7) Trichlorofluoromethane	2.99	101	56157	17.821	ug/l 97
8) Diethyl Ether	3.37	74	22128	17.790	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	35362	18.707	ug/l 99
10) Methyl Iodide	3.91	142	41277	16.835	ug/l 99
11) Tert butyl alcohol	4.75	59	30611	86.967	ug/l 100
12) 1,1-Dichloroethene	3.69	96	32781	17.413	ug/l 97
13) Acrolein	3.56	56	18071	84.052	ug/l 97
14) Allyl chloride	4.27	41	53067	17.091	ug/l 98
15) Acrylonitrile	4.93	53	84647	87.053	ug/l 99
16) Acetone	3.78	43	63453	85.523	ug/l 100
17) Carbon Disulfide	4.00	76	86774	17.855	ug/l 99
18) Methyl Acetate	4.28	43	39224	17.584	ug/l 100
19) Methyl tert-butyl Ether	5.00	73	107735	17.843	ug/l 99
20) Methylene Chloride	4.50	84	39670	17.063	ug/l 98
21) trans-1,2-Dichloroethene	4.98	96	36618	17.516	ug/l 97
22) Diisopropyl ether	5.90	45	115357	18.561	ug/l 95
23) Vinyl Acetate	5.85	43	452567	91.062	ug/l 99
24) 1,1-Dichloroethane	5.79	63	67336	18.129	ug/l 98
25) 2-Butanone	6.79	43	108237	89.994	ug/l 98
26) 2,2-Dichloropropane	6.78	77	55909	17.356	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	41534	17.656	ug/l 99
28) Bromochloromethane	7.15	49	30616	18.018	ug/l 98
29) Tetrahydrofuran	7.17	42	73250	88.229	ug/l 99
30) Chloroform	7.33	83	69312	18.096	ug/l 98
31) Cyclohexane	7.61	56	54000	17.166	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	58940	17.916	ug/l 99
36) 1,1-Dichloropropene	7.75	75	50060	18.054	ug/l 98
37) Ethyl Acetate	6.88	43	48388	18.116	ug/l 98
38) Carbon Tetrachloride	7.73	117	52340	18.142	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	52496	17.587	ug/l	98
40) Benzene	8.00	78	153129	18.022	ug/l	99
41) Methacrylonitrile	7.13	41	22669	18.394	ug/l	90
42) 1,2-Dichloroethane	8.08	62	51947	18.123	ug/l	98
43) Isopropyl Acetate	8.13	43	75870	17.653	ug/l #	91
44) Trichloroethene	8.80	130	44565	17.776	ug/l	93
45) 1,2-Dichloropropane	9.08	63	41075	18.667	ug/l	98
46) Dibromomethane	9.17	93	27366	18.616	ug/l	95
47) Bromodichloromethane	9.37	83	53846	18.204	ug/l	99
48) Methyl methacrylate	9.17	41	37624	18.320	ug/l	99
49) 1,4-Dioxane	9.16	88	14068	362.437	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	235560	91.295	ug/l	98
52) Toluene	10.12	92	95824	18.313	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	58245	17.680	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	65489	18.546	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	39906	18.546	ug/l	94
56) Ethyl methacrylate	10.40	69	51111	17.213	ug/l	95
57) 1,3-Dichloropropane	10.68	76	64536	18.182	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	146529	89.712	ug/l	100
59) 2-Hexanone	10.72	43	167428	90.163	ug/l	99
60) Dibromochloromethane	10.87	129	43500	18.187	ug/l	99
61) 1,2-Dibromoethane	10.97	107	39665	18.144	ug/l	100
64) Tetrachloroethene	10.60	164	47252	17.823	ug/l	99
65) Chlorobenzene	11.41	112	107197	18.319	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	39818	18.515	ug/l	99
67) Ethyl Benzene	11.48	91	174735	17.874	ug/l	100
68) m/p-Xylenes	11.59	106	137300	37.096	ug/l	100
69) o-Xylene	11.92	106	64912	18.482	ug/l	99
70) Styrene	11.94	104	110377	18.616	ug/l	100
71) Bromoform	12.10	173	29765	17.329	ug/l #	98
73) Isopropylbenzene	12.22	105	172702	18.460	ug/l	100
74) N-amyl acetate	12.05	43	66183	17.976	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	48289	17.610	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	48106m	16.608	ug/l	
77) Bromobenzene	12.50	156	43708	17.330	ug/l	95
78) n-propylbenzene	12.56	91	196035	18.394	ug/l	99
79) 2-Chlorotoluene	12.65	91	118506	17.989	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	149555	19.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	18216	17.236	ug/l	97
82) 4-Chlorotoluene	12.75	91	123694	17.913	ug/l	99
83) tert-Butylbenzene	12.97	119	122513	18.797	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	146891	18.683	ug/l	100
85) sec-Butylbenzene	13.14	105	161235	18.631	ug/l	99
86) p-Isopropyltoluene	13.26	119	147777	18.756	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	79154	17.664	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	80642	17.017	ug/l	98
89) n-Butylbenzene	13.59	91	121572	17.570	ug/l	100
90) Hexachloroethane	13.85	117	24558	17.942	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	77635	17.645	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10765	17.448	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	45939	16.878	ug/l	100
94) Hexachlorobutadiene	14.98	225	22094	18.264	ug/l	96
95) Naphthalene	15.10	128	134864	16.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	45252	18.400	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

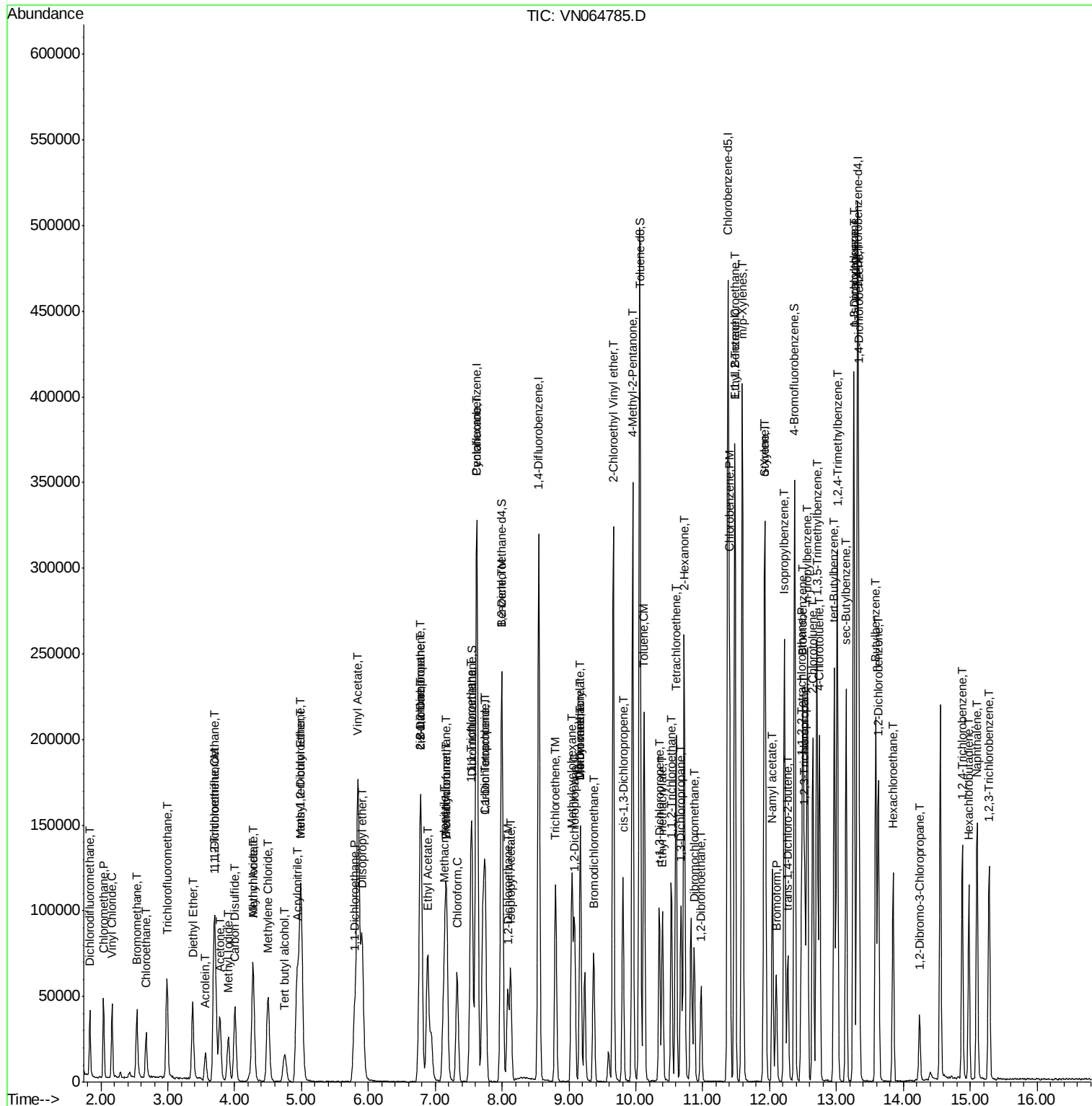
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112320\
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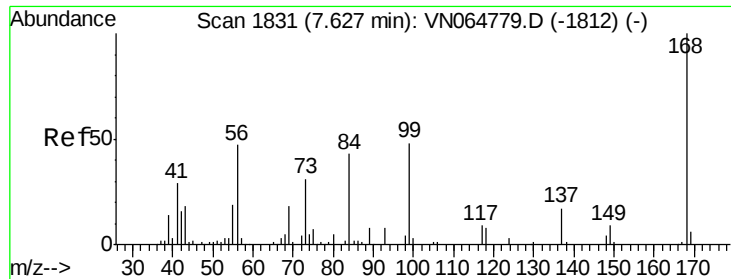
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion:168 Resp: 194139

Ion Ratio Lower Upper

168 100

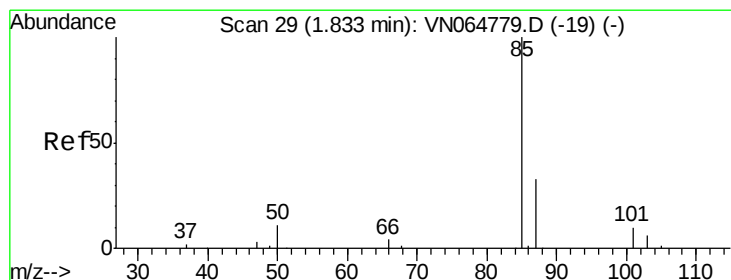
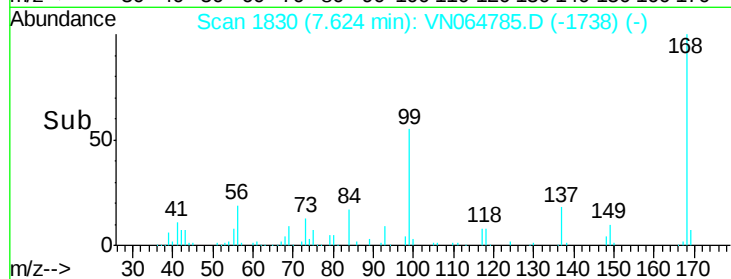
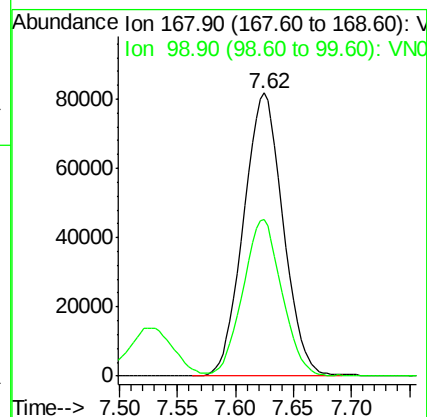
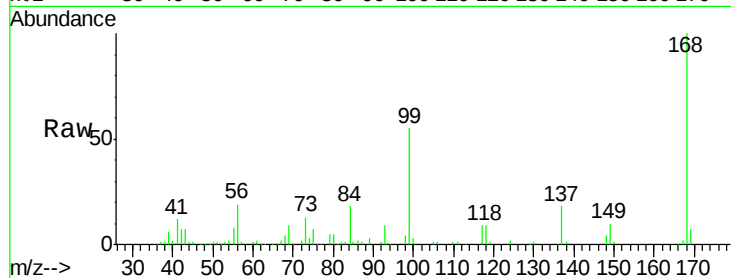
99 55.0 43.0 64.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.650 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064785.D

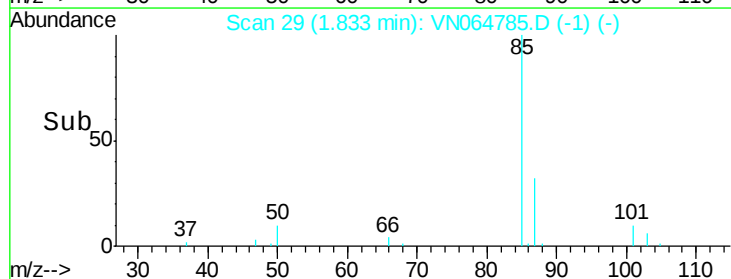
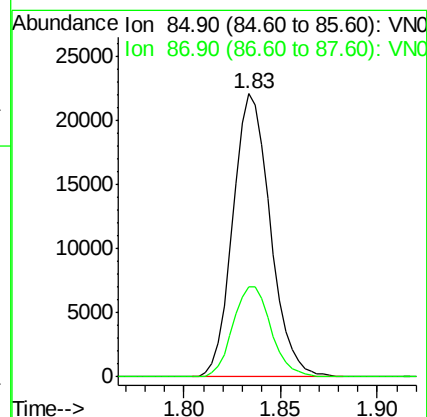
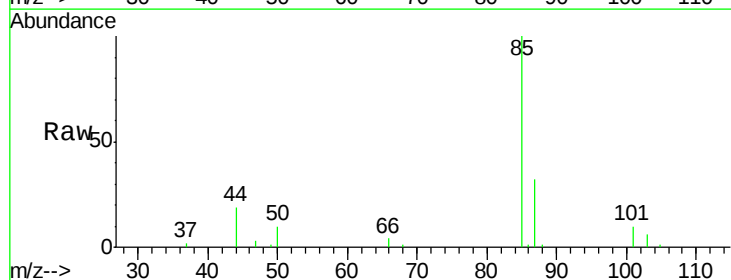
Acq: 23 Nov 2020 15:54

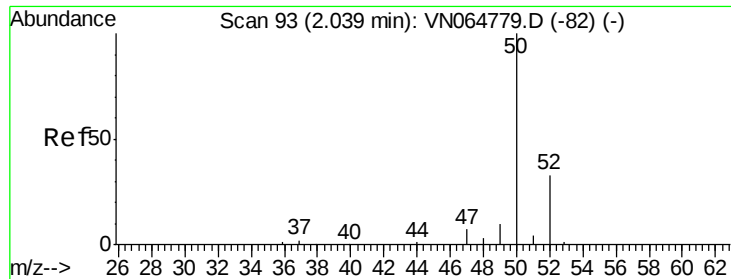
Tgt Ion: 85 Resp: 29697

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.4





#3

Chloromethane

Concen: 17.604 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 50 Resp: 38491

Ion Ratio Lower Upper

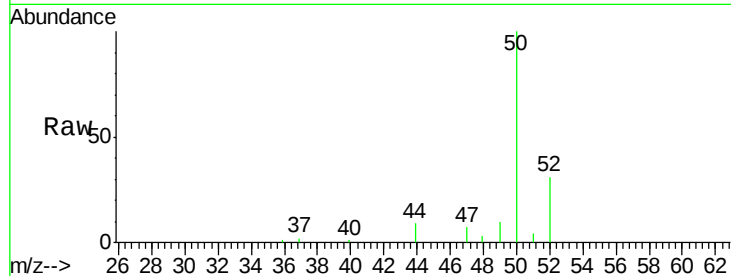
50 100

52 31.3 26.6 39.8

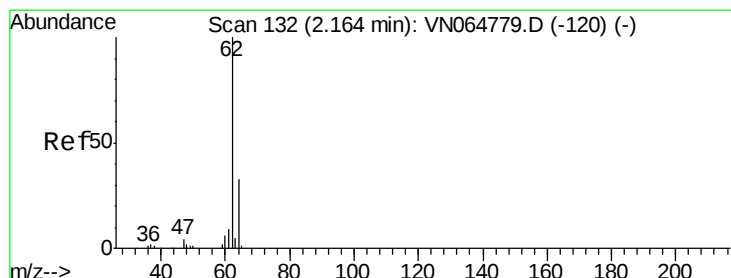
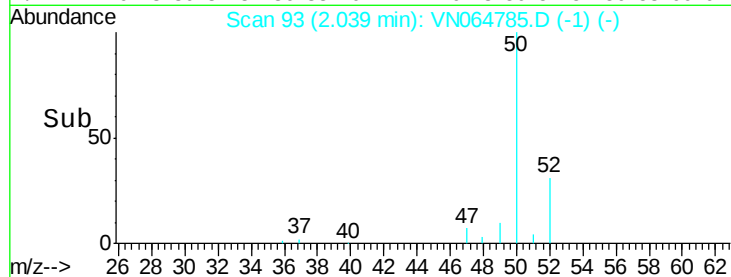
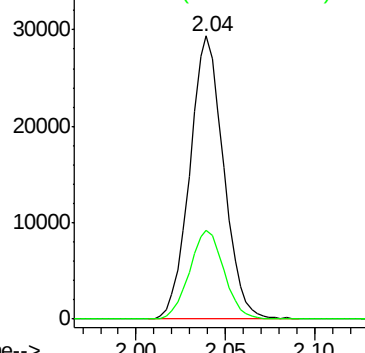
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.380 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064785.D

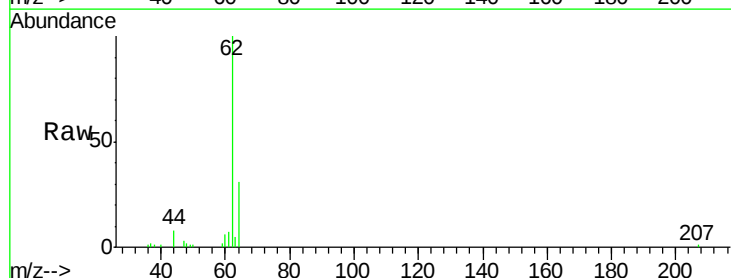
Acq: 23 Nov 2020 15:54

Tgt Ion: 62 Resp: 39620

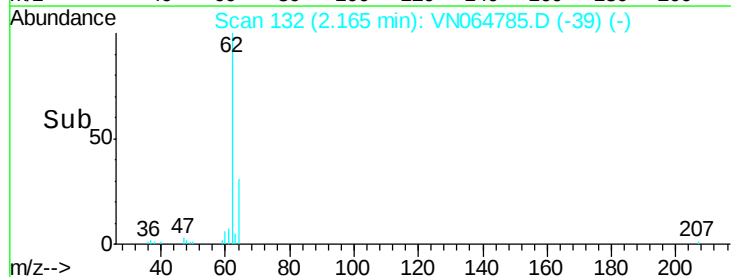
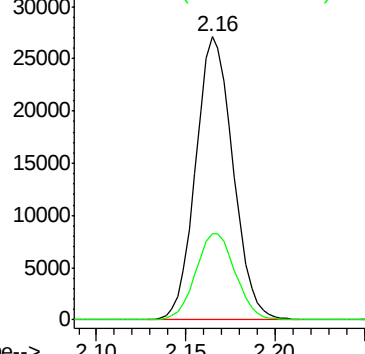
Ion Ratio Lower Upper

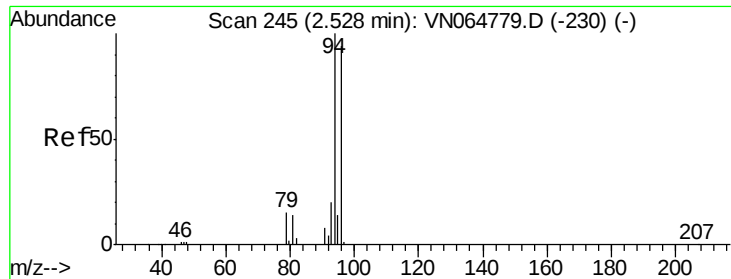
62 100

64 30.5 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.769 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

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ClientSampleId :

VN1123WBS01

Tot Ion: 94 Resp: 28071

Ion Ratio Lower Upper

94 100

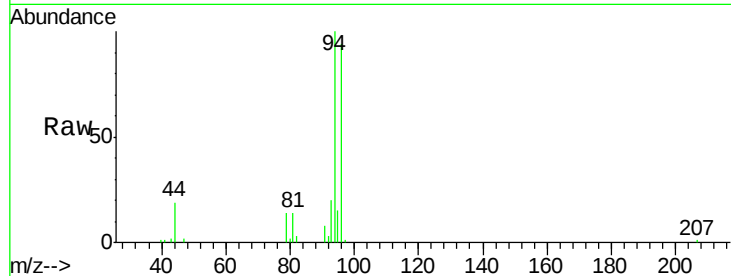
96 93.6 75.4 113.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

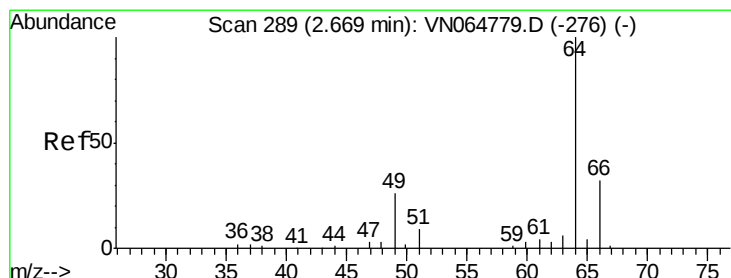
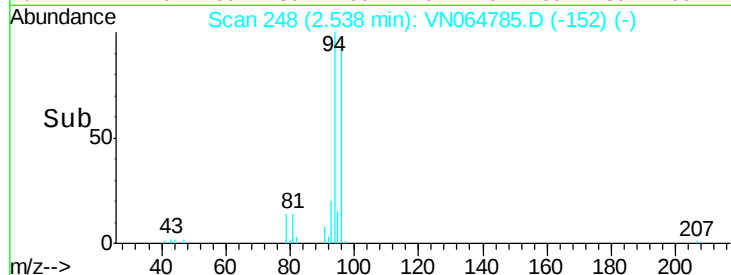
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 17.843 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064785.D

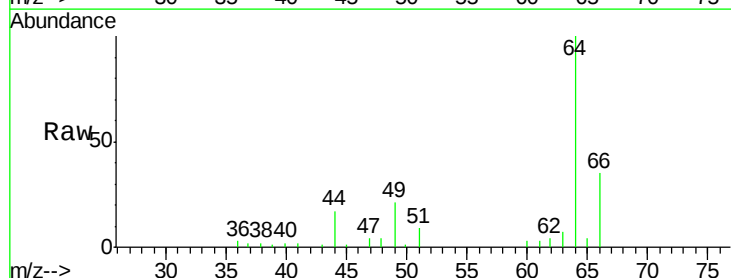
Acq: 23 Nov 2020 15:54

Tgt Ion: 64 Resp: 25157

Ion Ratio Lower Upper

64 100

66 35.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

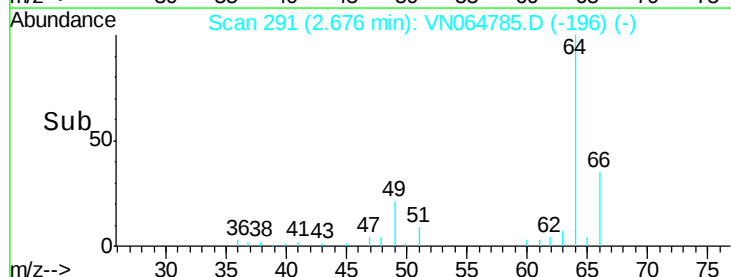
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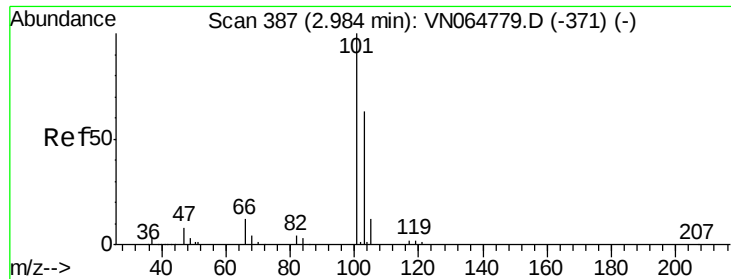
10000

5000

0

Time--> 2.60 2.65 2.70 2.75





#7

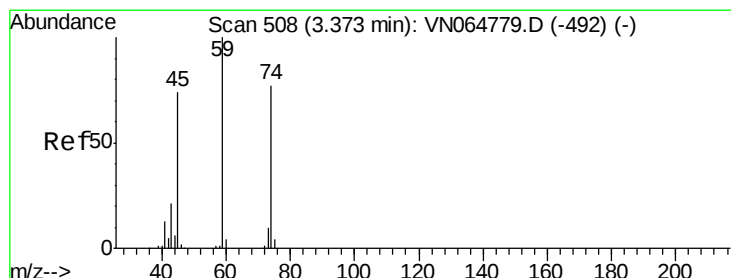
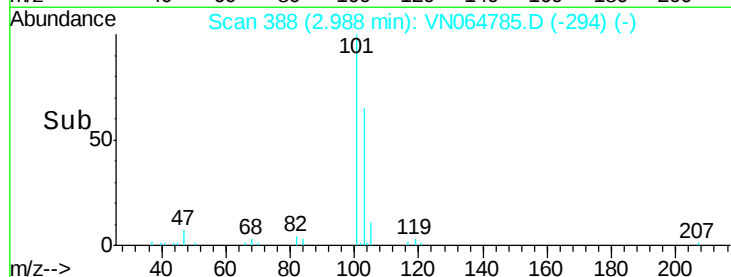
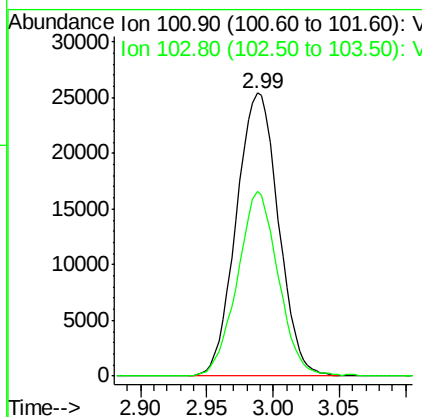
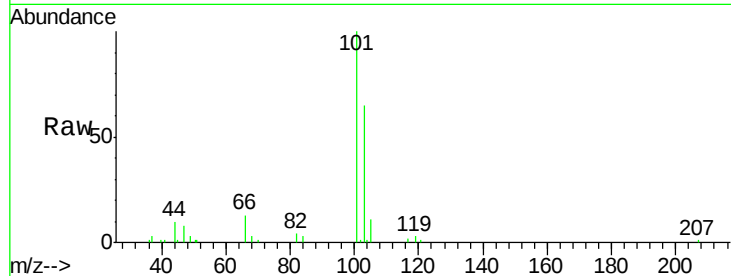
Trichlorofluoromethane
 Concen: 17.821 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.5	75.7

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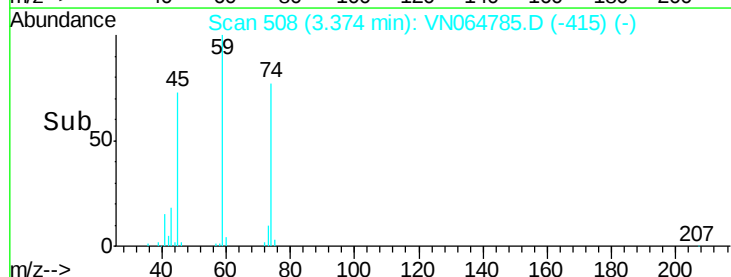
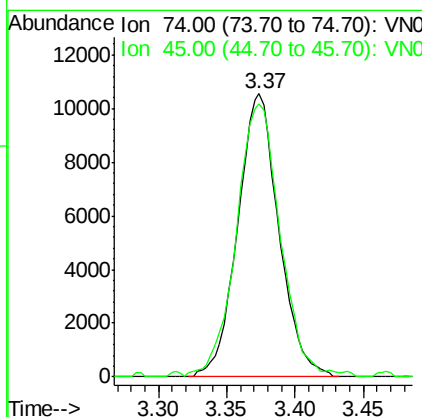
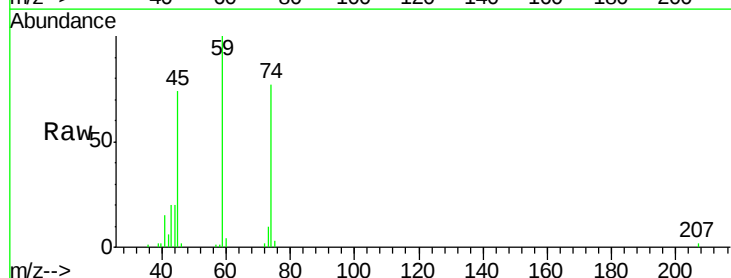
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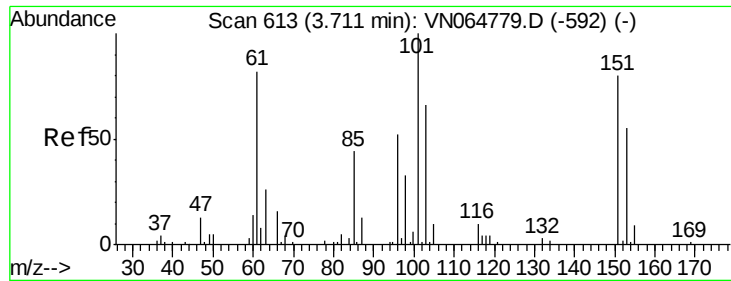


#8

Diethyl Ether
 Concen: 17.790 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	48.9	146.8





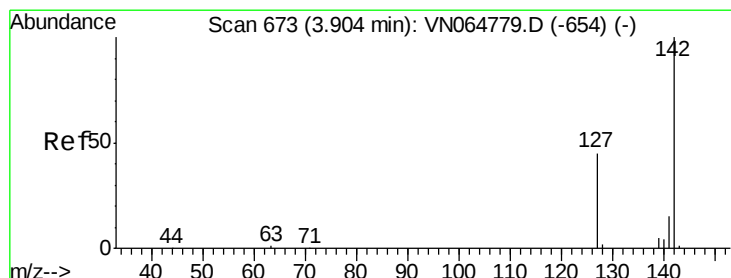
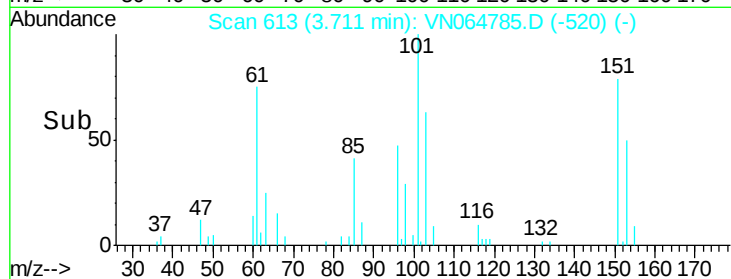
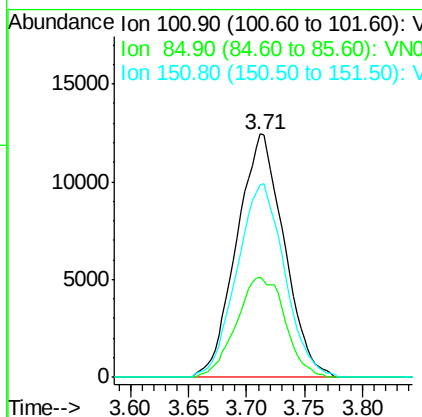
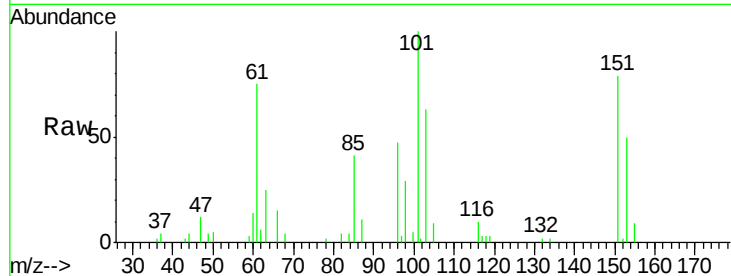
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.707 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.4	51.6
151	80.1	64.0	96.0

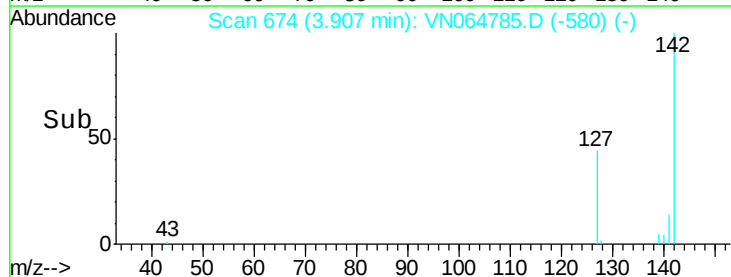
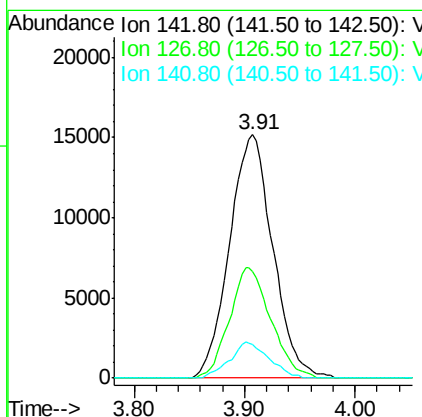
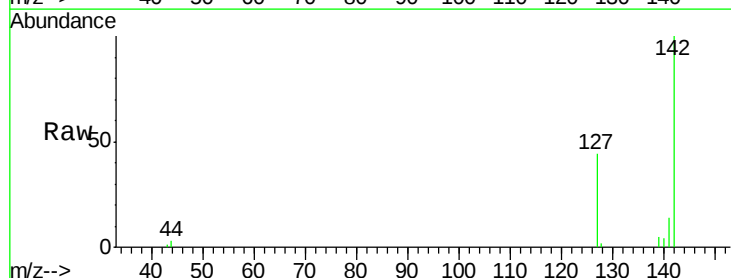
Manual Integrations
 APPROVED

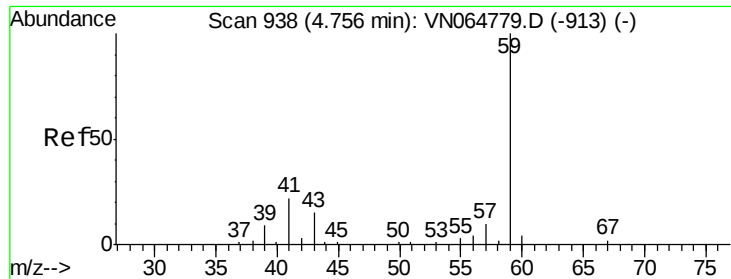
MMDadoda
 11/24/2020 3:01:30 PM



#10
 Methyl Iodide
 Concen: 16.835 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.3	35.0	52.6
141	13.4	11.8	17.6





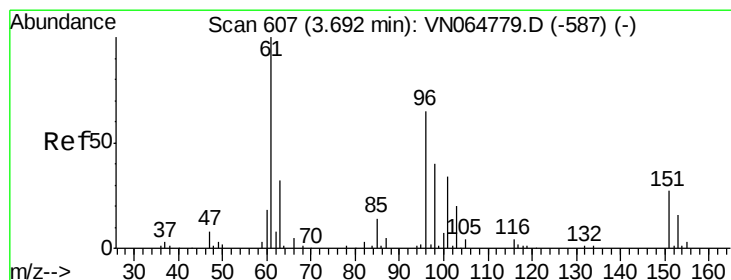
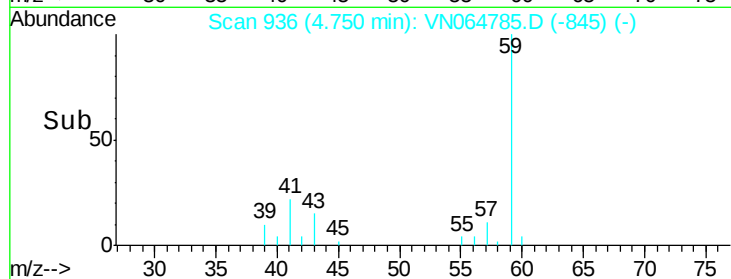
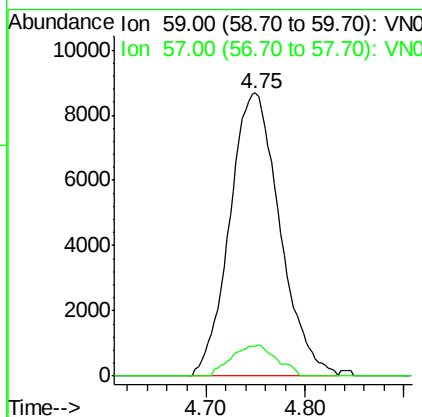
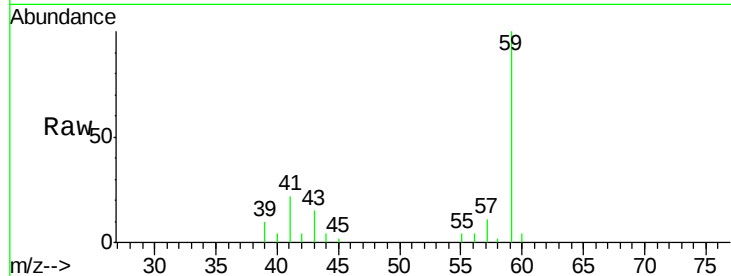
#11
Tert butyl alcohol
Concen: 86.967 ug/l
RT: 4.75 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

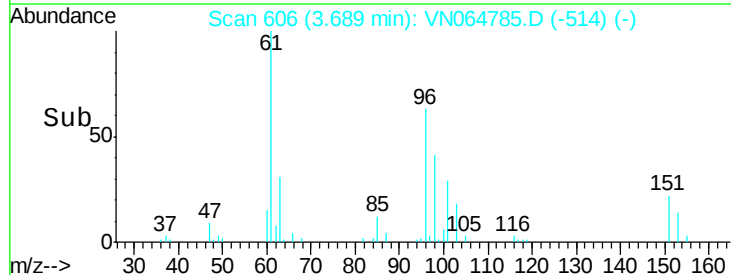
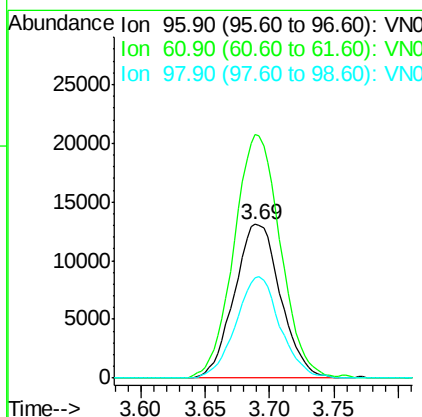
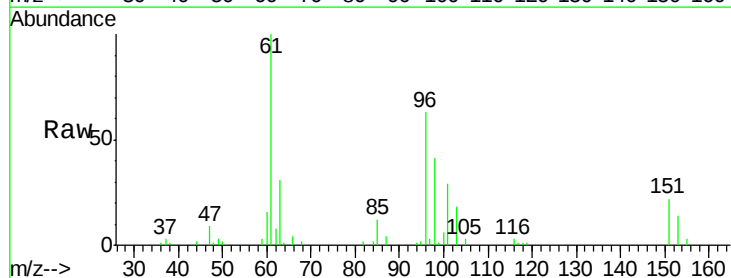
Manual Integrations
APPROVED

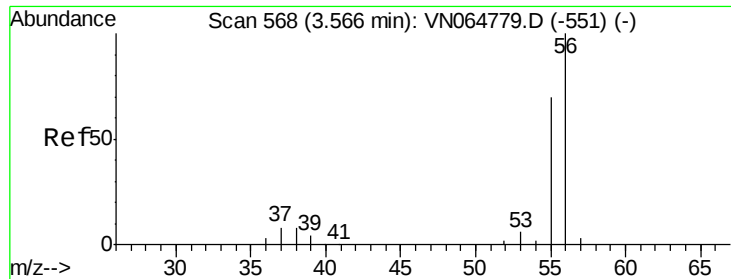
MMDadoda
11/24/2020 3:01:30 PM



#12
1,1-Dichloroethene
Concen: 17.413 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	123.4	185.2
98	65.4	49.8	74.8





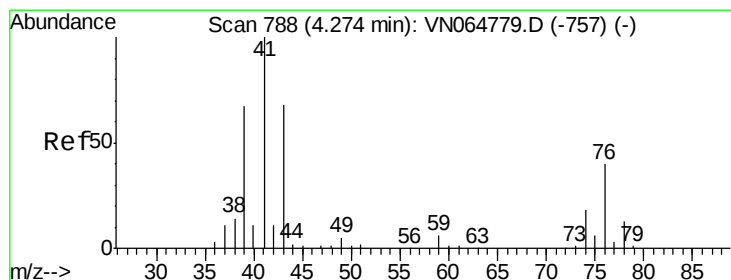
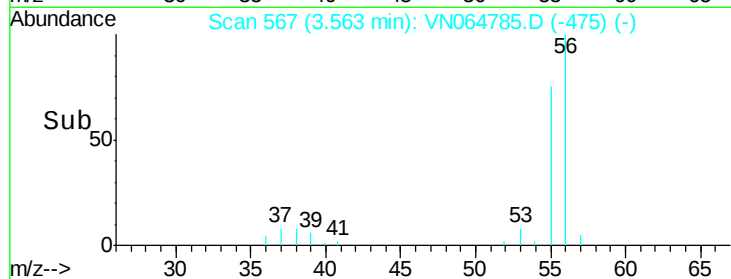
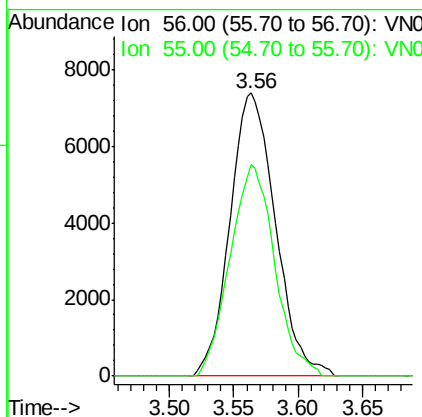
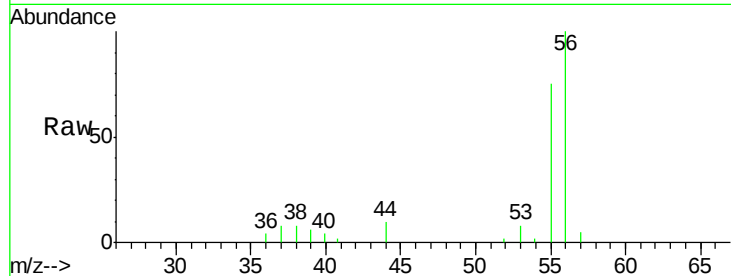
#13
Acrolein
Concen: 84.052 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion: 56 Resp: 18071
Ion Ratio Lower Upper
56 100
55 73.5 56.5 84.7

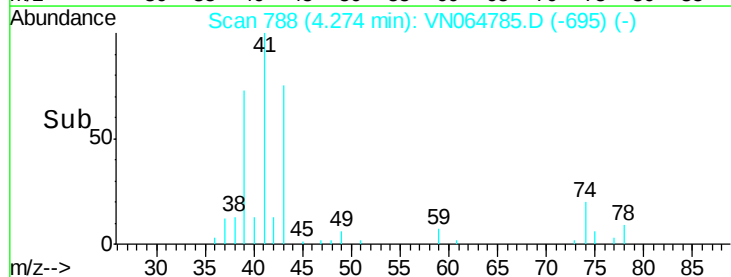
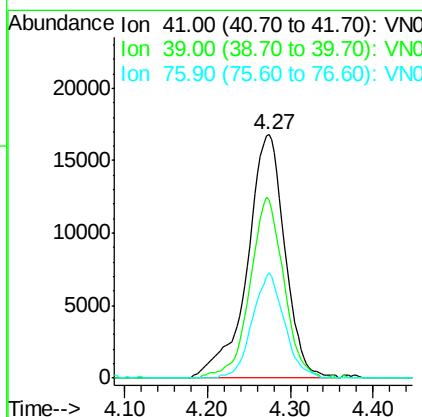
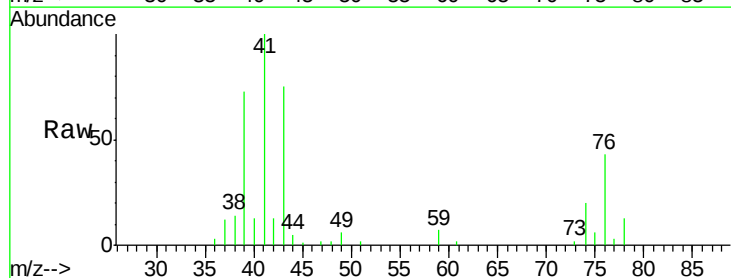
Manual Integrations
APPROVED

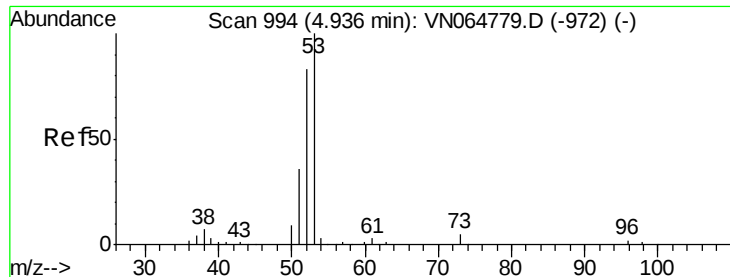
MMDadoda
11/24/2020 3:01:30 PM



#14
Allyl chloride
Concen: 17.091 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion: 41 Resp: 53067
Ion Ratio Lower Upper
41 100
39 66.1 50.9 76.3
76 36.7 29.0 43.4





#15

Acrylonitrile

Concen: 87.053 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

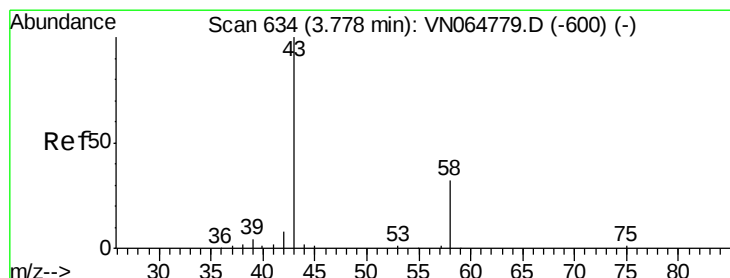
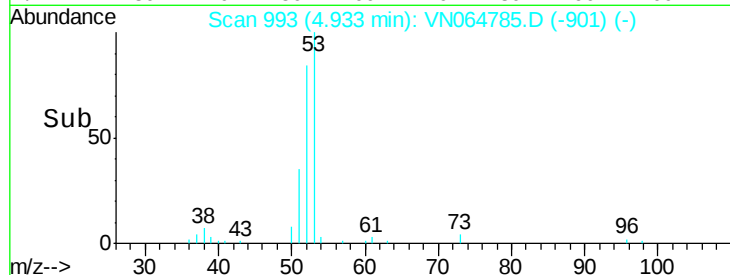
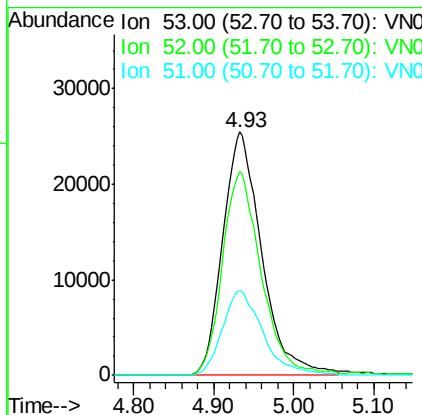
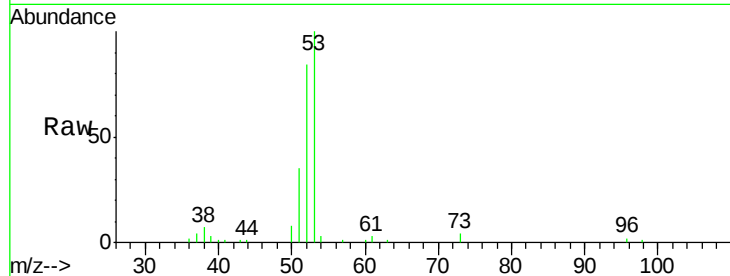
ClientSampleId :

VN1123WBS01

Tot Ion:	53	Resp:	84647
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.5	98.3
51	36.4	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:30 PM



#16

Acetone

Concen: 85.523 ug/l

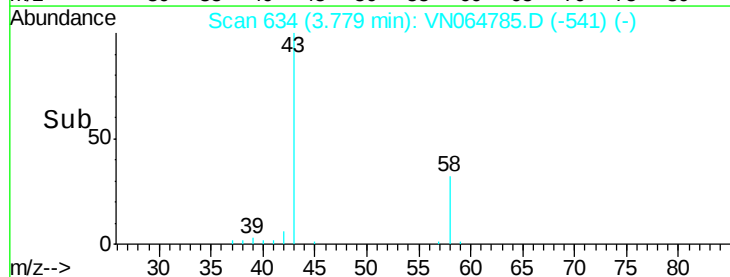
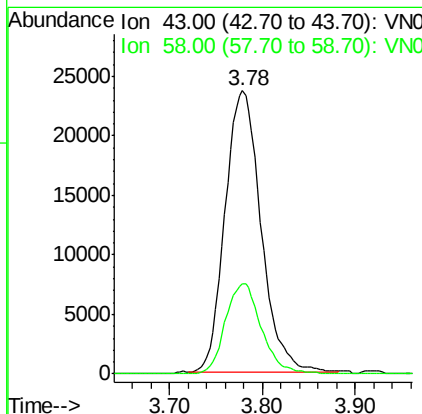
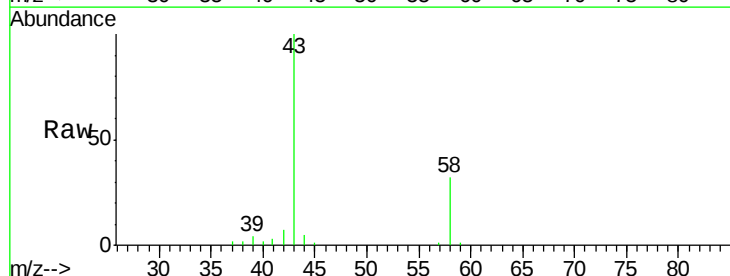
RT: 3.78 min Scan# 634

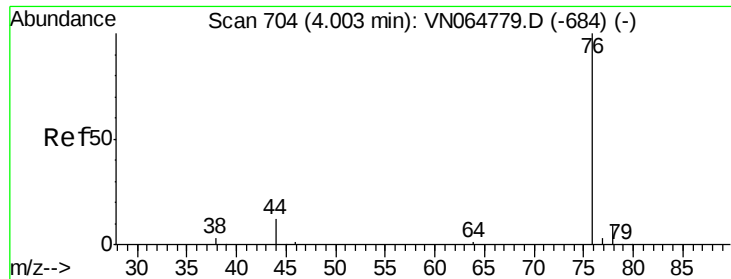
Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion:	43	Resp:	63453
Ion Ratio	Lower	Upper	
43	100		
58	32.0	25.7	38.5





#17

Carbon Disulfide

Concen: 17.855 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 76 Resp: 86774

Ion Ratio Lower Upper

76 100

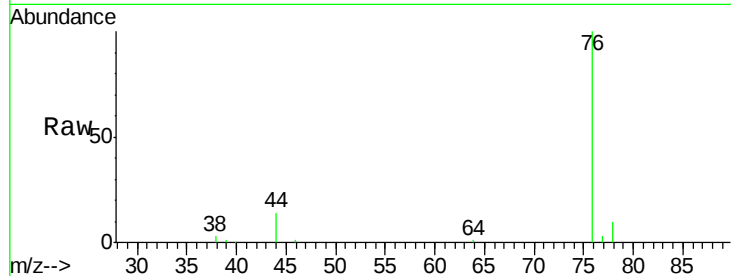
78 9.6 7.4 11.0

Manual Integrations

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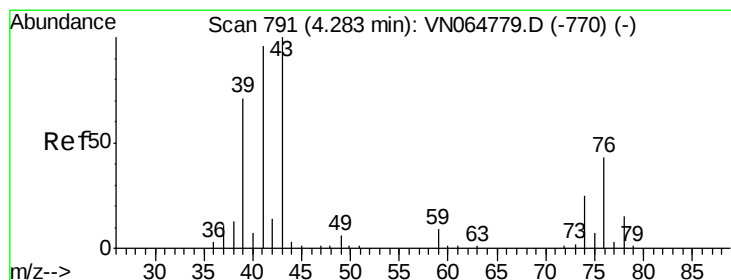
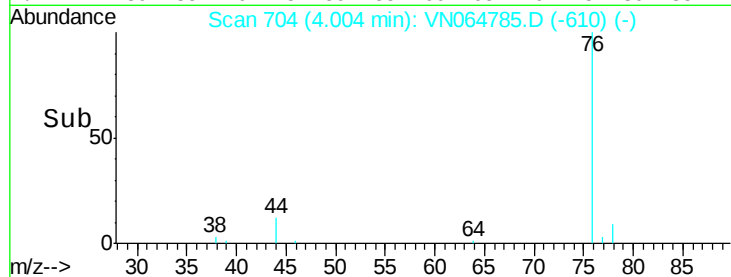
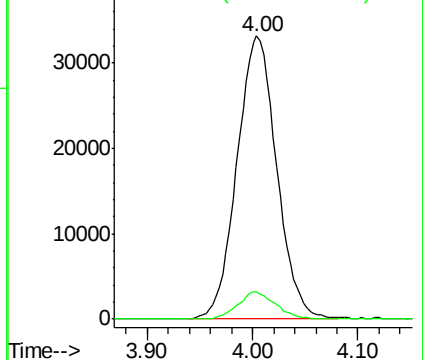
MMDadoda

11/24/2020 3:01:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.584 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064785.D

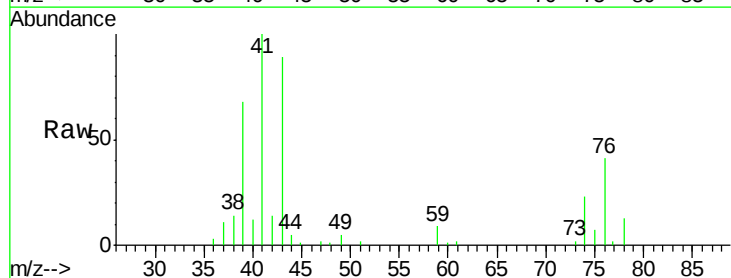
Acq: 23 Nov 2020 15:54

Tgt Ion: 43 Resp: 39224

Ion Ratio Lower Upper

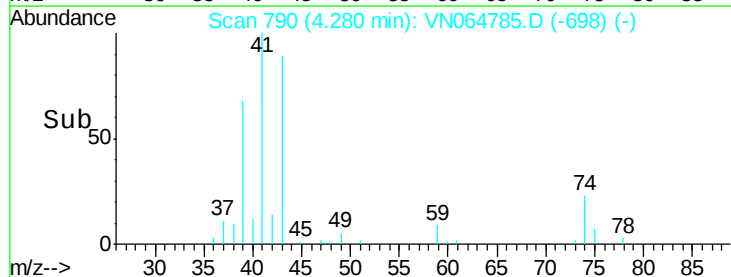
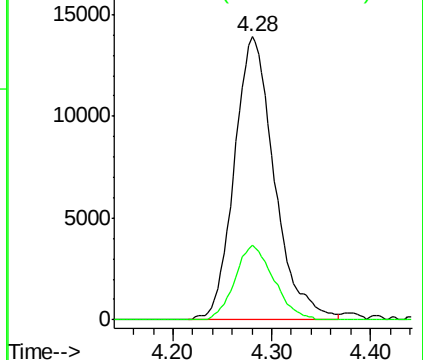
43 100

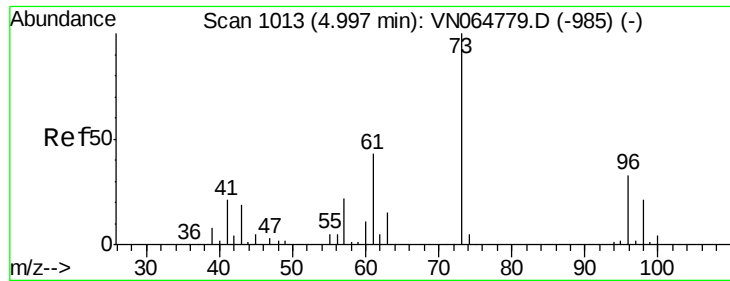
74 25.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





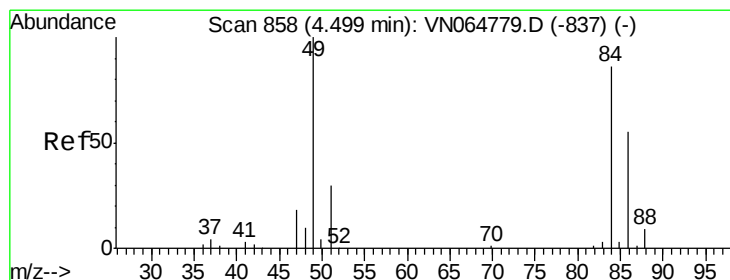
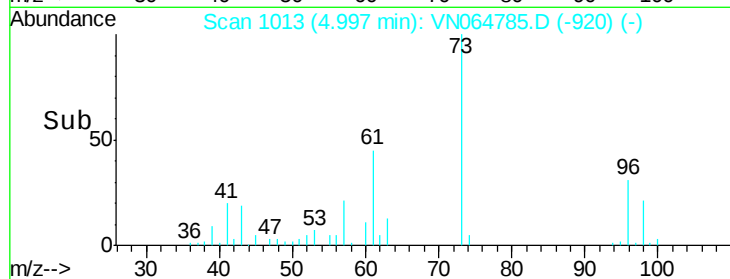
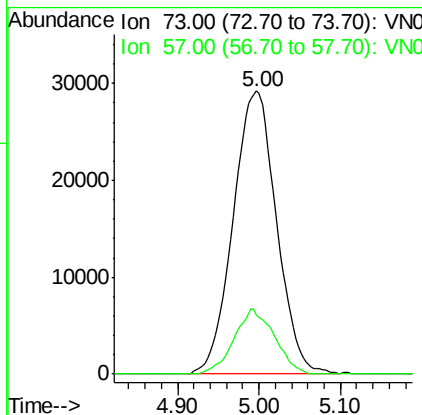
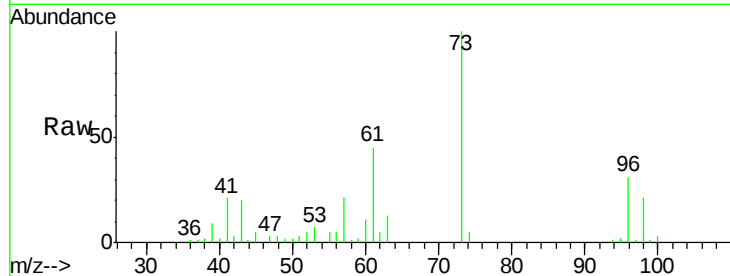
#19
Methvl tert-butvl Ether
Concen: 17.843 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion: 73 Resp: 107735
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

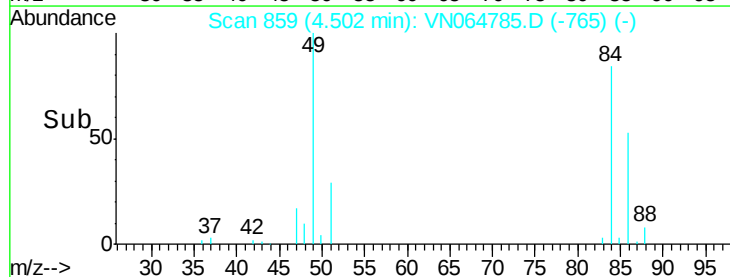
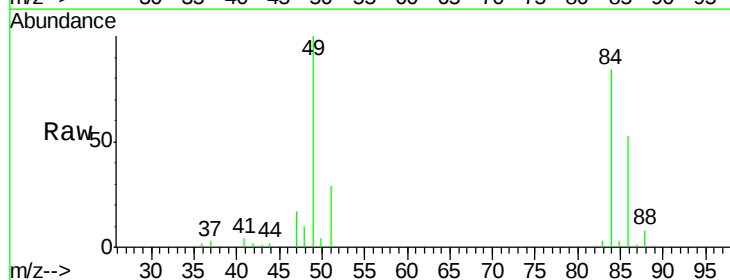
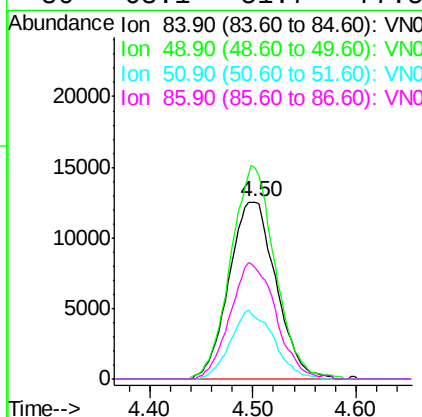
Manual Integrations
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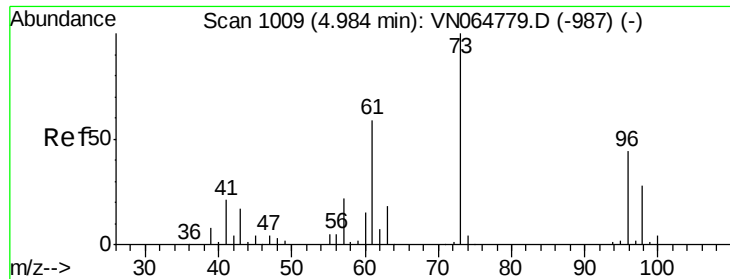
MMDadoda
11/24/2020 3:01:30 PM



#20
Methylene Chloride
Concen: 17.063 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion: 84 Resp: 39670
Ion Ratio Lower Upper
84 100
49 119.6 93.4 140.0
51 34.5 28.2 42.4
86 63.1 51.7 77.5





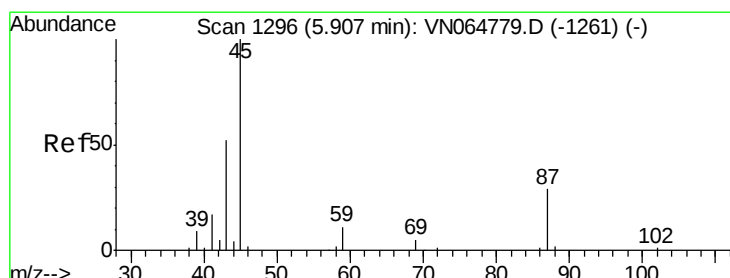
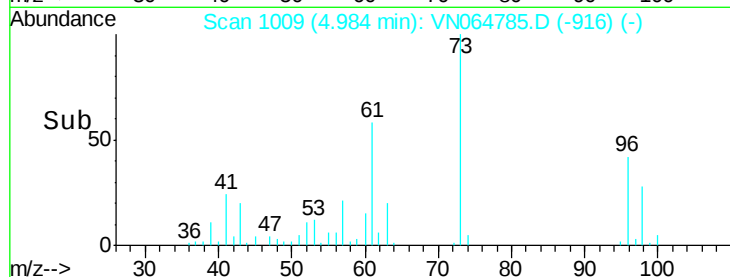
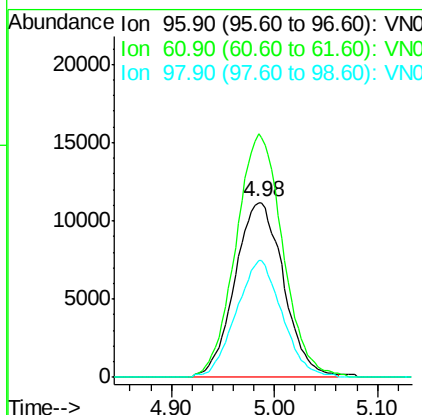
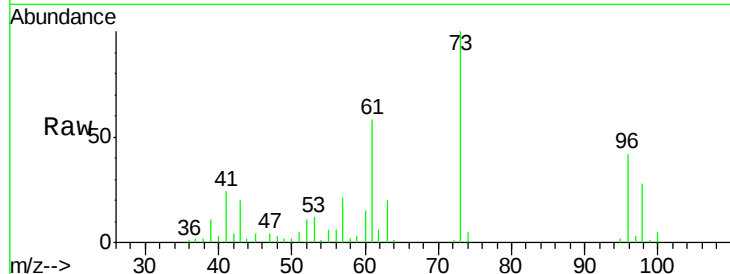
#21
trans-1,2-Dichloroethene
Concen: 17.516 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	108.4	162.6
98	66.8	51.3	76.9

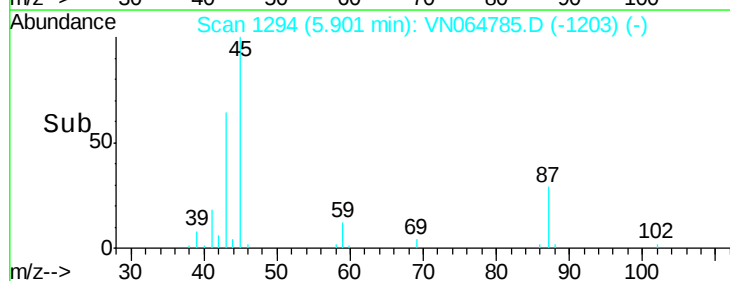
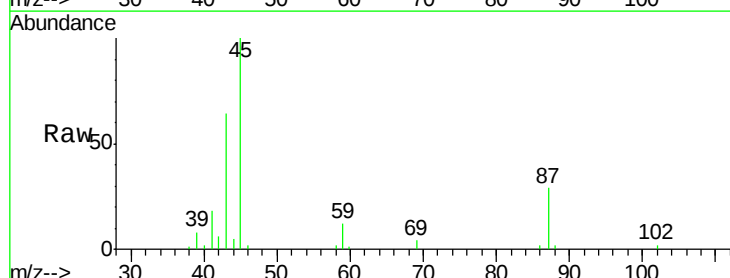
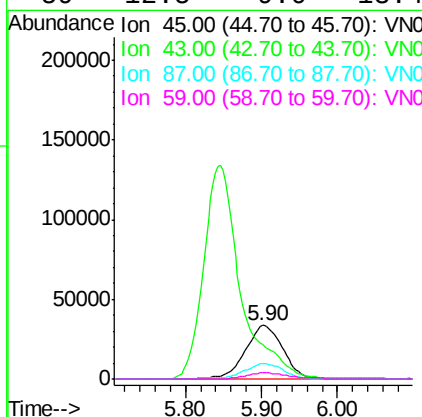
Manual Integrations
APPROVED

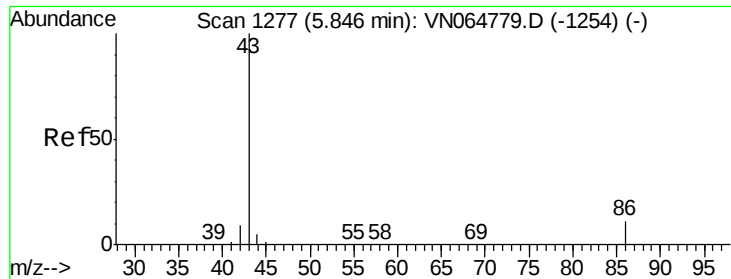
MMDadoda
11/24/2020 3:01:30 PM



#22
Diisopropyl ether
Concen: 18.561 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	46.2	69.2
87	28.9	24.1	36.1
59	12.5	9.0	13.4





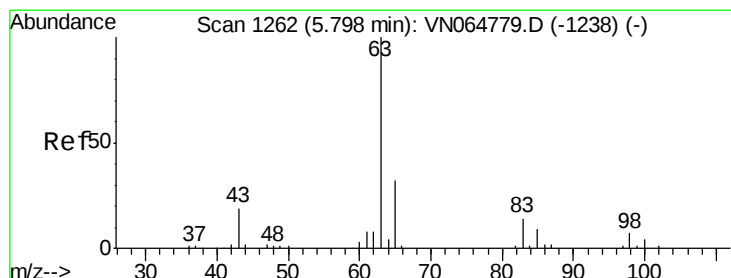
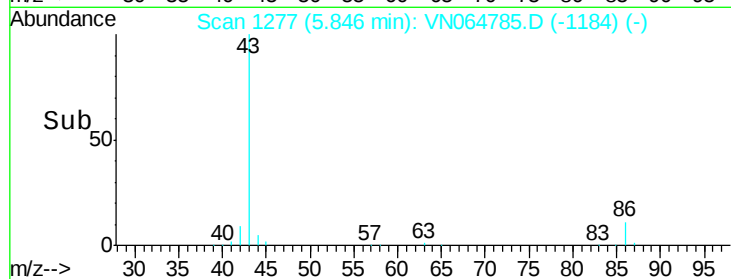
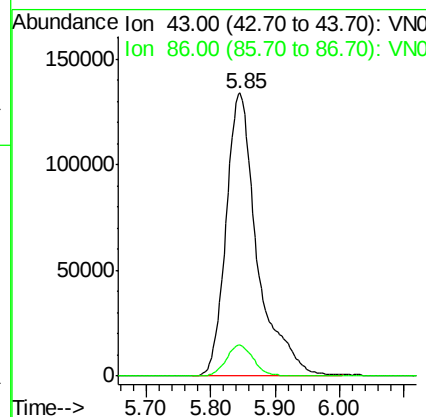
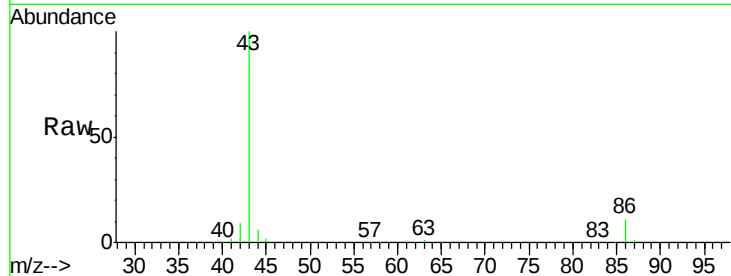
#23
 Vinyl Acetate
 Concen: 91.062 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	43	Resp	452567
Ion Ratio	100	Lower	Upper
43	100	8.9	13.3
86	10.9		

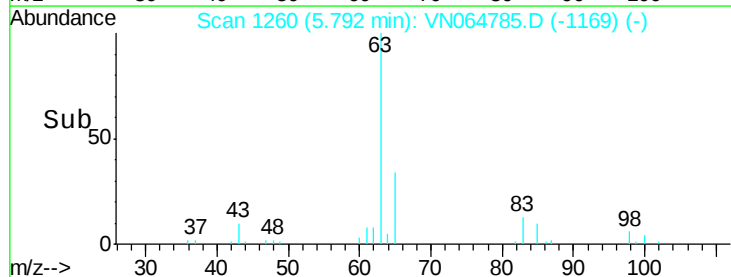
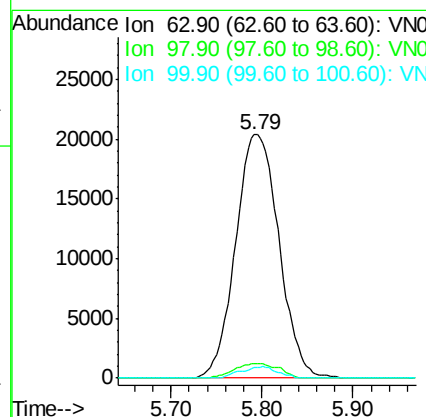
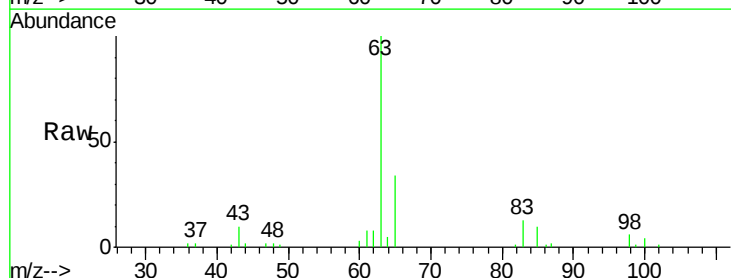
Manual Integrations
 APPROVED

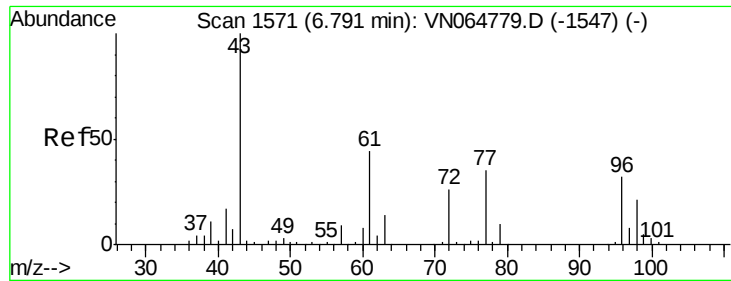
MMDadoda
 11/24/2020 3:01:30 PM



#24
 1,1-Dichloroethane
 Concen: 18.129 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	63	Resp	67336
Ion Ratio	100	Lower	Upper
63	100	3.5	10.5
98	6.2	2.3	6.8
100	4.4		





#25

2-Butanone

Concen: 89.994 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 43 Resp: 108237

Ion Ratio Lower Upper

43 100

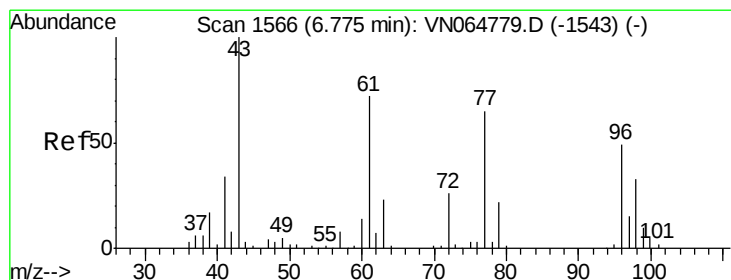
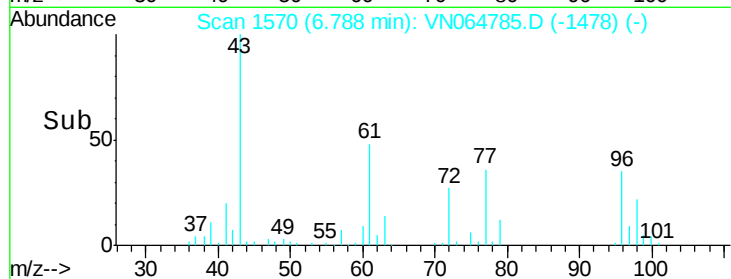
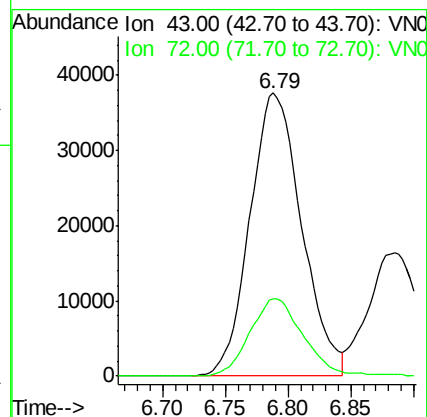
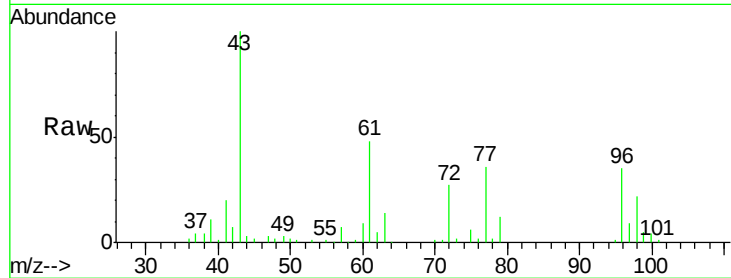
72 27.4 21.0 31.6

Manual Integrations

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11/24/2020 3:01:30 PM



#26

2,2-Dichloropropane

Concen: 17.356 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064785.D

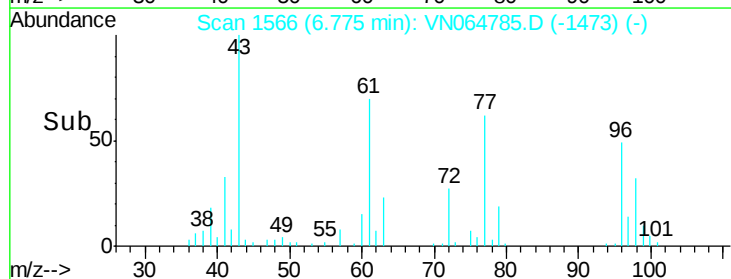
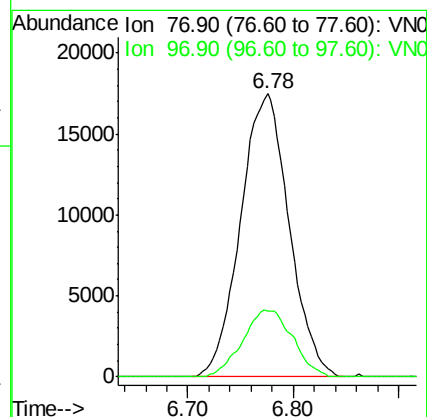
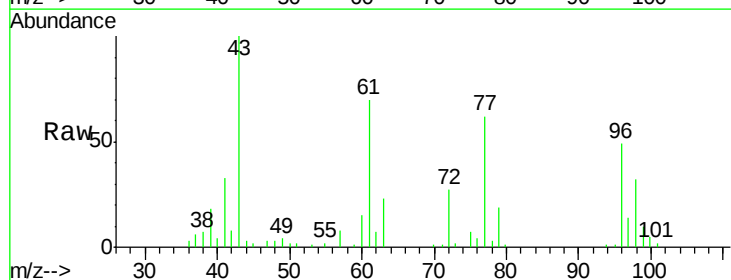
Acq: 23 Nov 2020 15:54

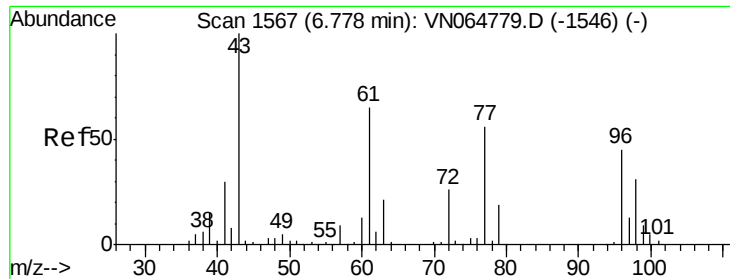
Tgt Ion: 77 Resp: 55909

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.656 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

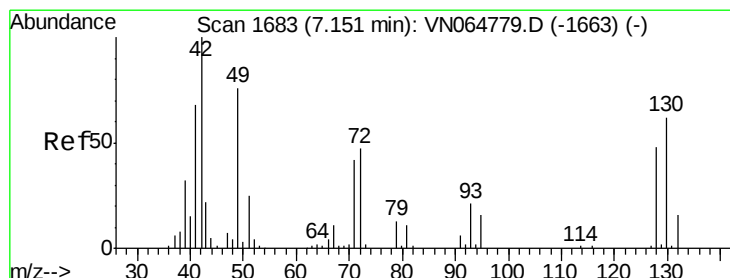
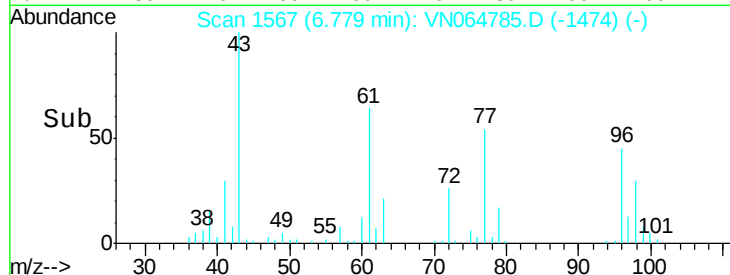
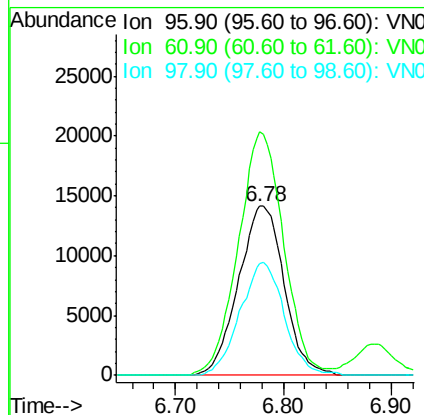
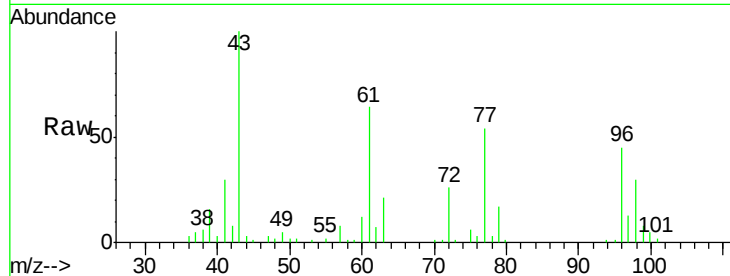
ClientSampleId :

VN1123WBS01

Tot Ion:	96	Resp:	41534
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	285.8
98	64.3	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.018 ug/l

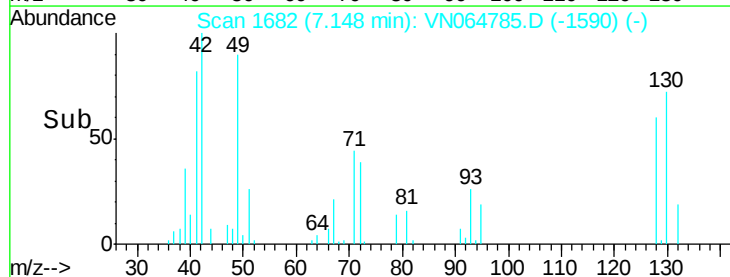
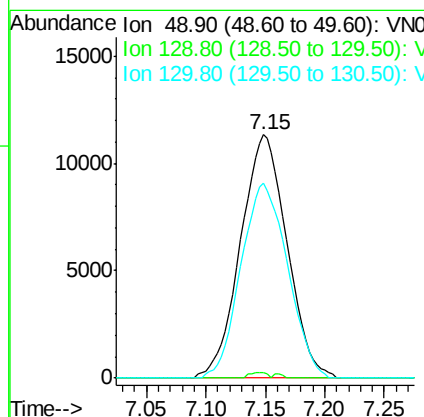
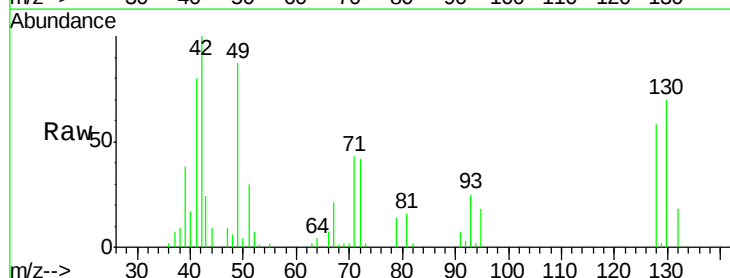
RT: 7.15 min Scan# 1682

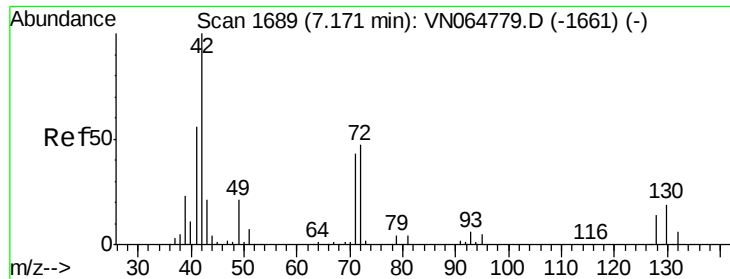
Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion:	49	Resp:	30616
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	80.8	66.2	99.2





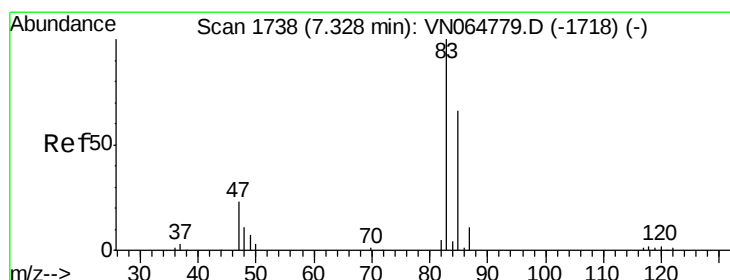
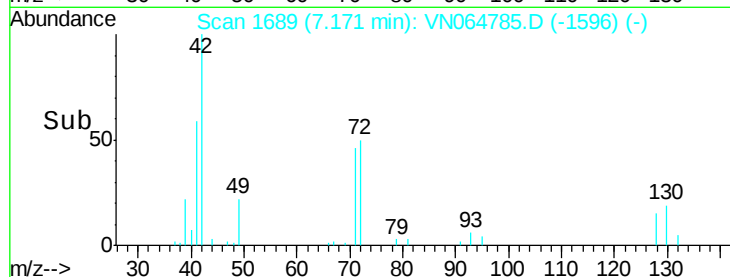
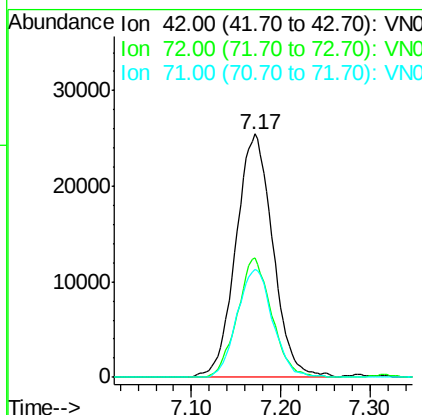
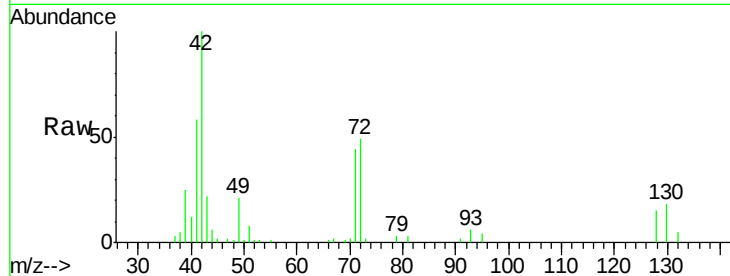
#29
Tetrahydrofuran
Concen: 88.229 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.6	54.8
71	42.5	33.6	50.4

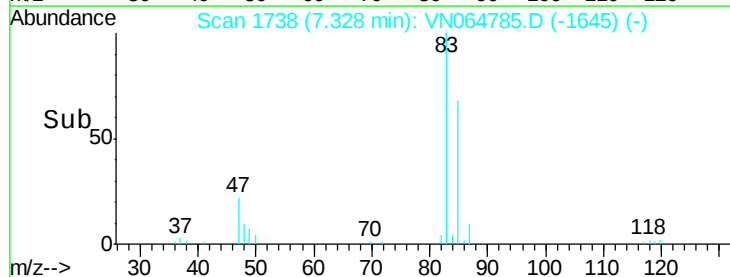
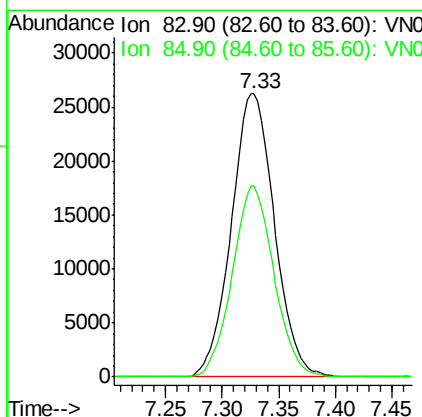
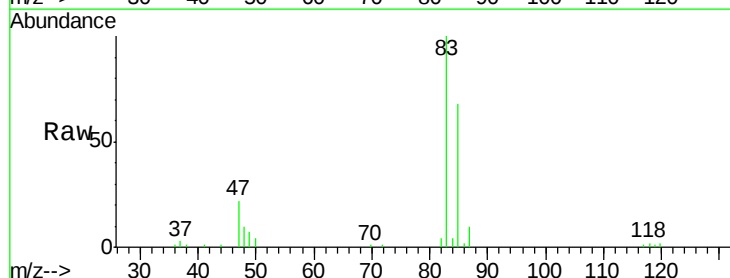
Manual Integrations
APPROVED

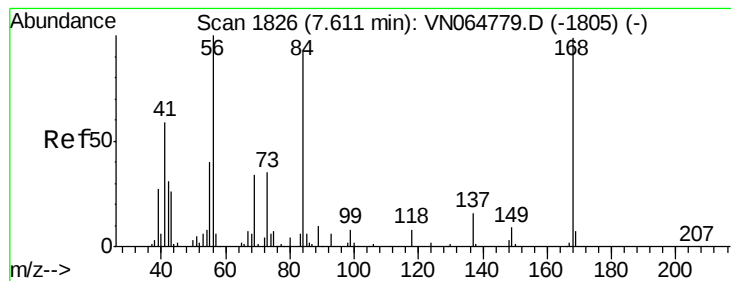
MMDadoda
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#30
Chloroform
Concen: 18.096 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.6	78.8





#31

Cyclohexane

Concen: 17.166 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

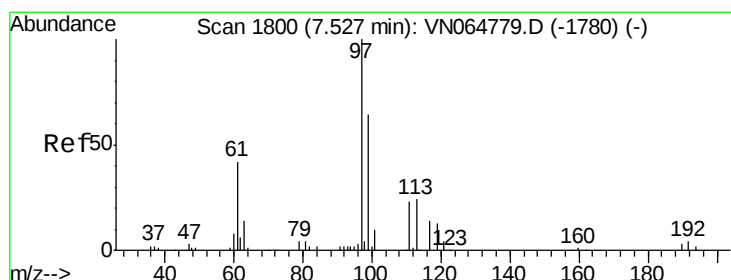
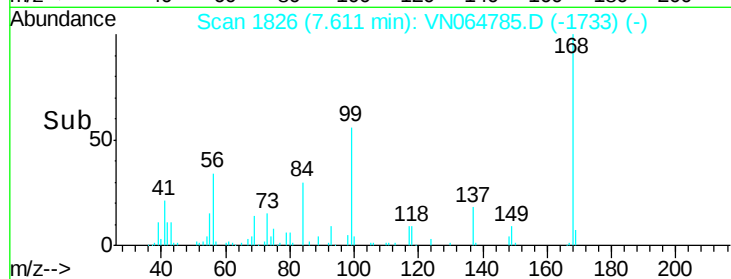
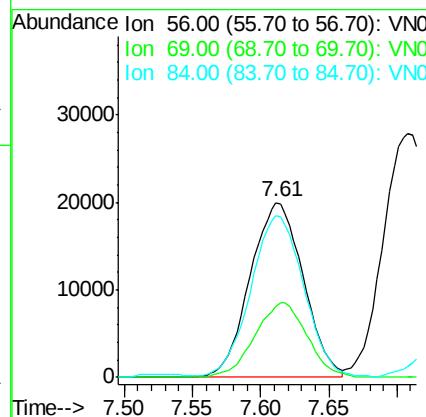
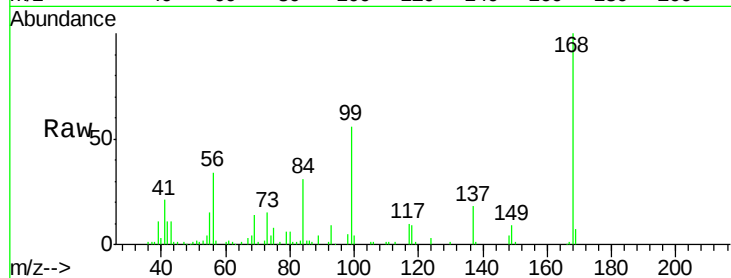
ClientSampleId :

VN1123WBS01

Tot Ion:	56	Resp:	54000
Ion Ratio	Lower	Upper	
56	100		
69	40.4	27.5	41.3
84	91.2	73.9	110.9

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#32

1,1,1-Trichloroethane

Concen: 17.916 ug/l

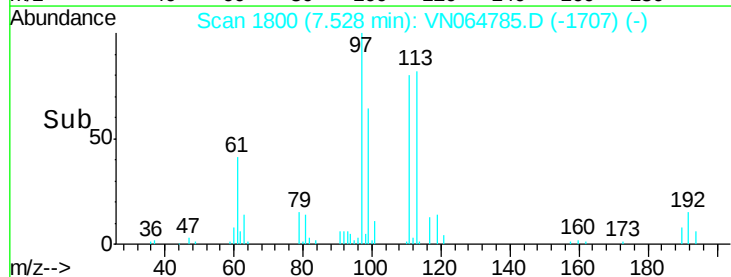
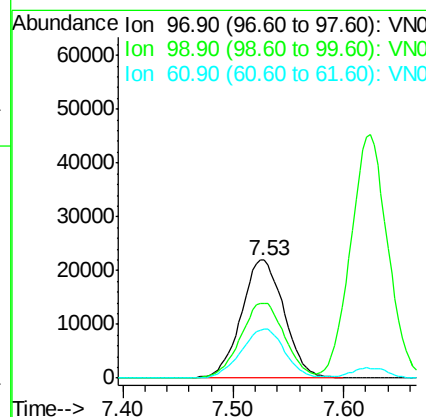
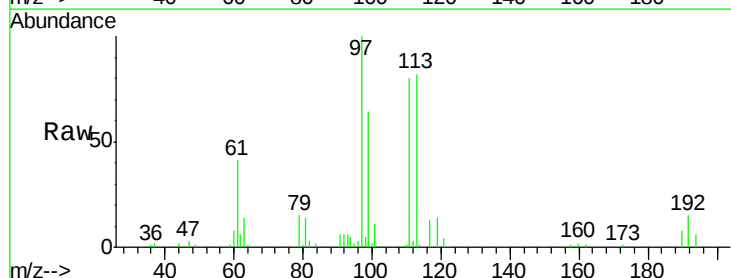
RT: 7.53 min Scan# 1800

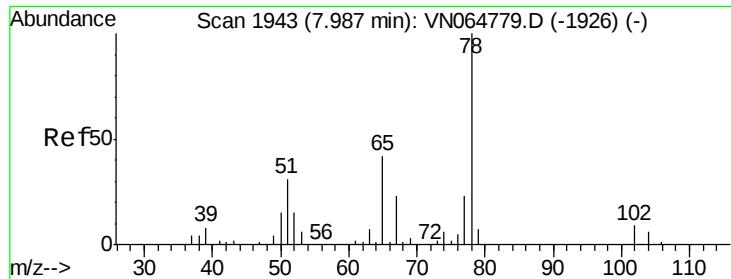
Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion:	97	Resp:	58940
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.7	77.5
61	42.5	33.9	50.9





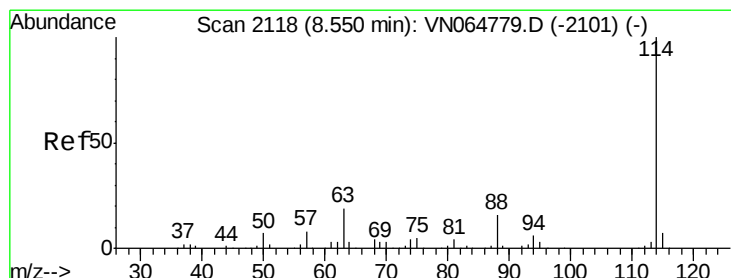
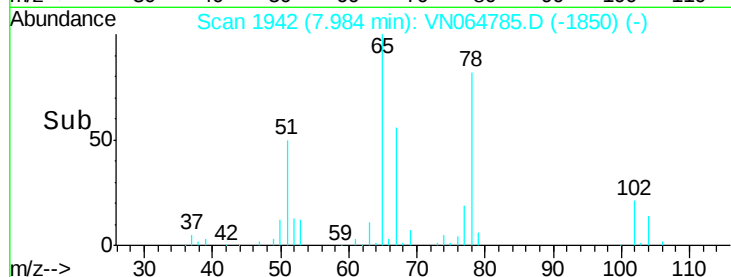
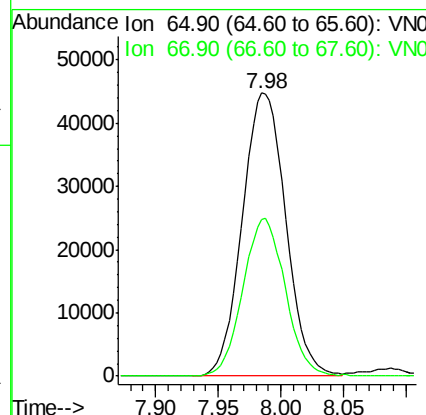
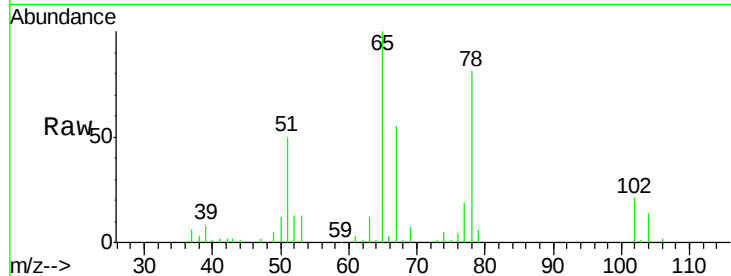
#33
 1,2-Dichloroethane-d4
 Concen: 47.829 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN1123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107949		
67	53.9	0.0	108.2	

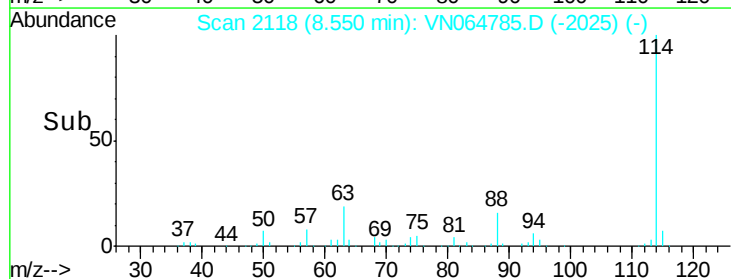
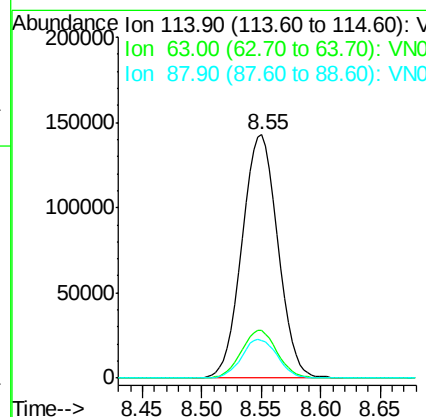
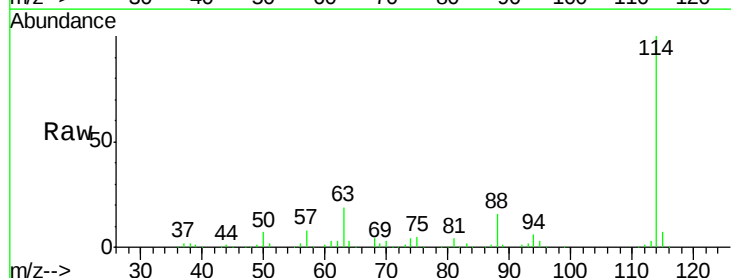
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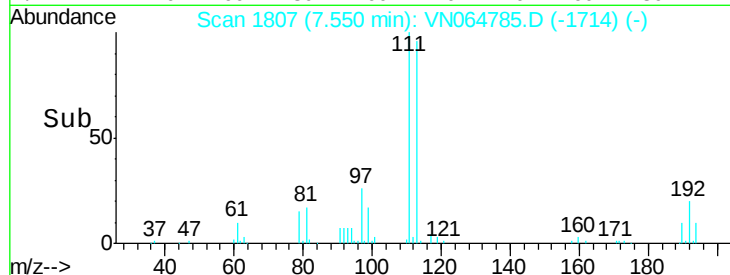
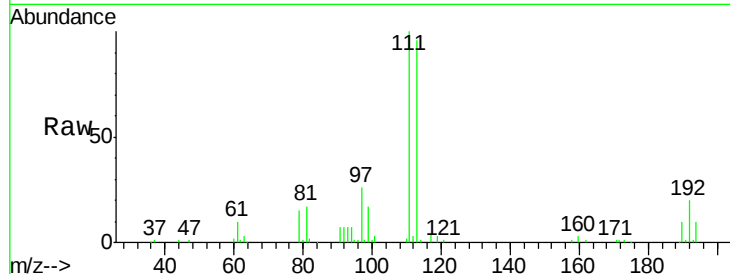
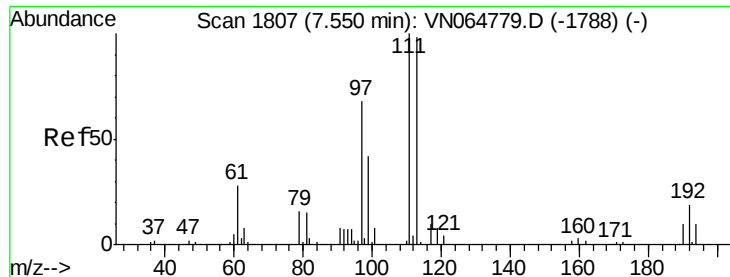
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 11/24/2020 3:01:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299147		
63	19.5	0.0	38.6	
88	15.5	0.0	32.6	





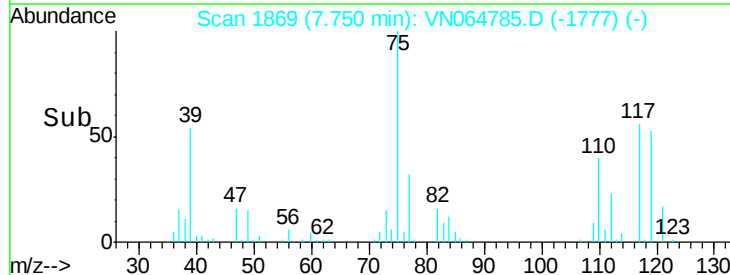
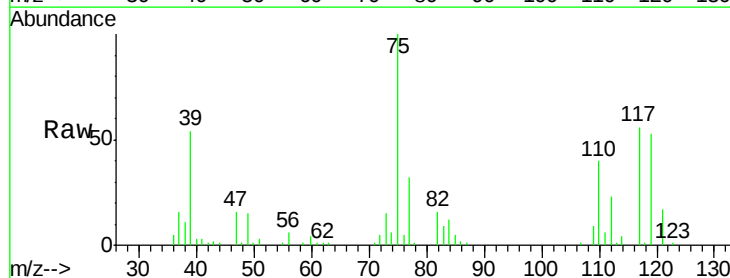
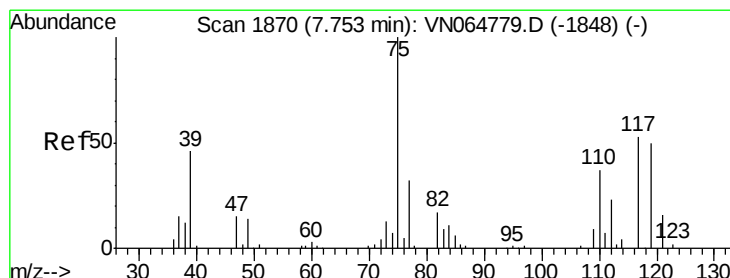
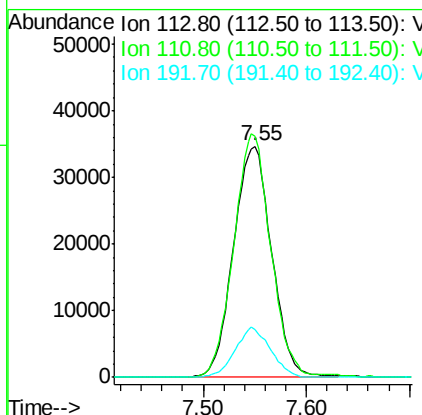
#35
Dibromofluoromethane
Concen: 49.854 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	20.0	16.2	24.2

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

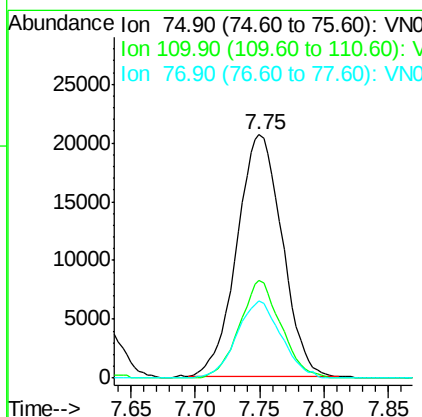
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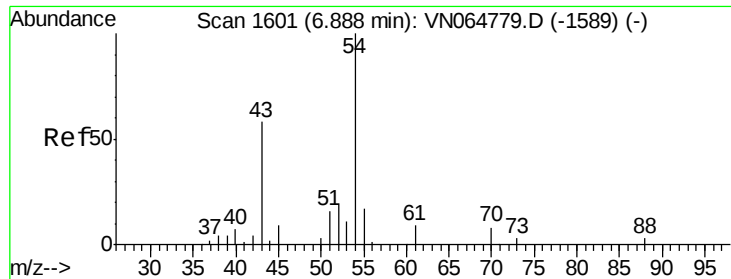
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11/24/2020 3:01:30 PM



#36
1,1-Dichloropropene
Concen: 18.054 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.8	53.3
77	31.5	25.0	37.4





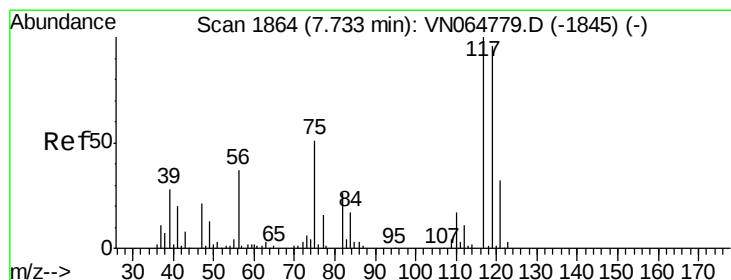
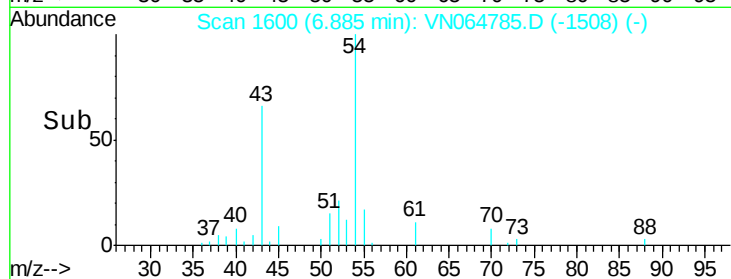
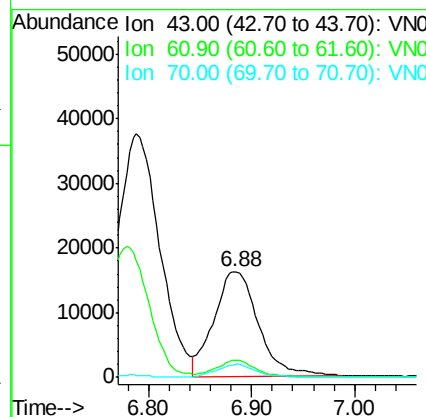
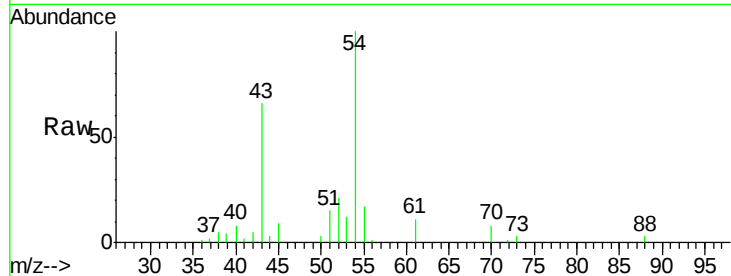
#37
Ethyl Acetate
Concen: 18.116 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	43	61	70
Resp	48388		
Ratio	100	14.7	10.9
Lower		12.8	8.8
Upper		19.2	13.2

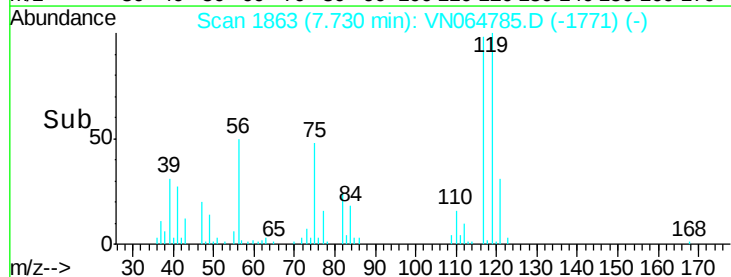
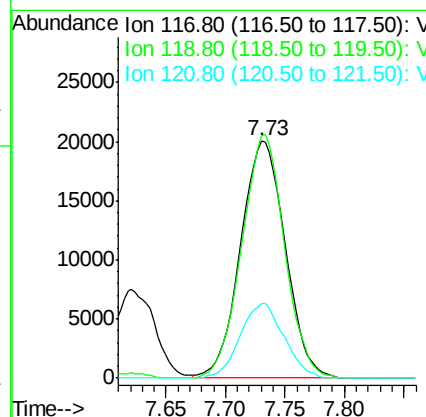
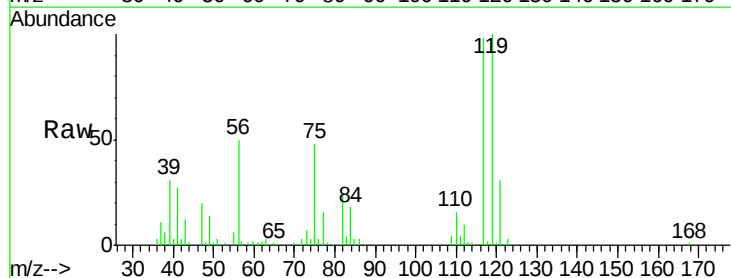
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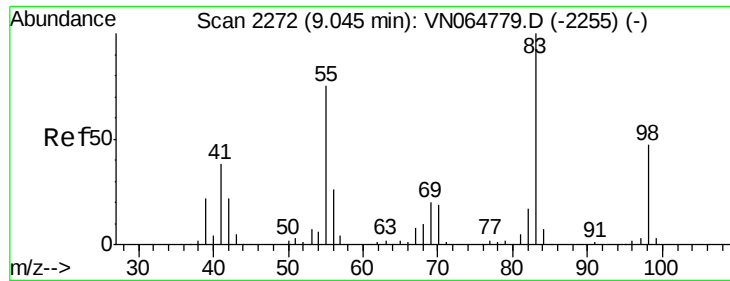
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#38
Carbon Tetrachloride
Concen: 18.142 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	117	119	121
Resp	52340		
Ratio	100	101.8	31.2
Lower		76.7	25.4
Upper		115.1	38.2





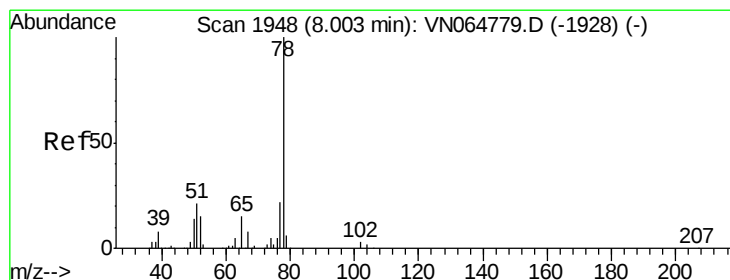
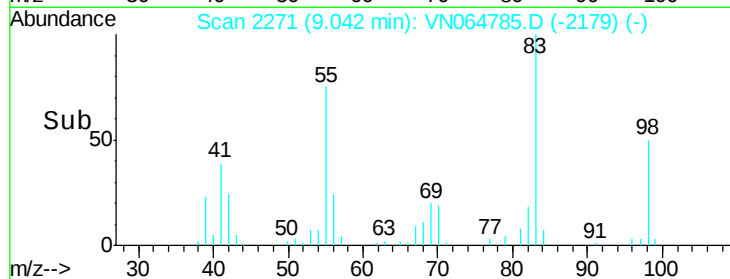
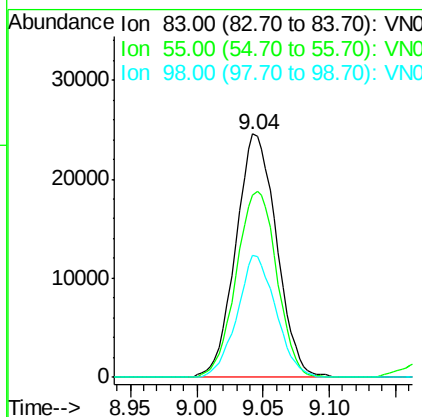
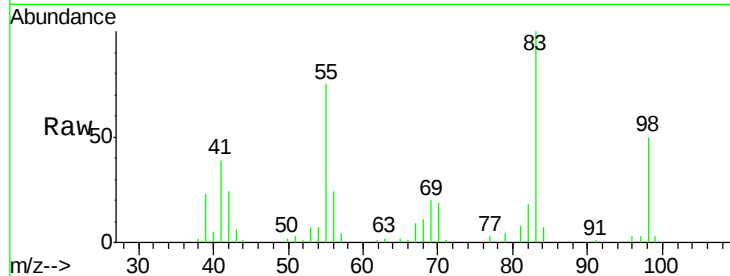
#39
Methvlcvclohexane
Concen: 17.587 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.2	90.2
98	50.0	37.4	56.2

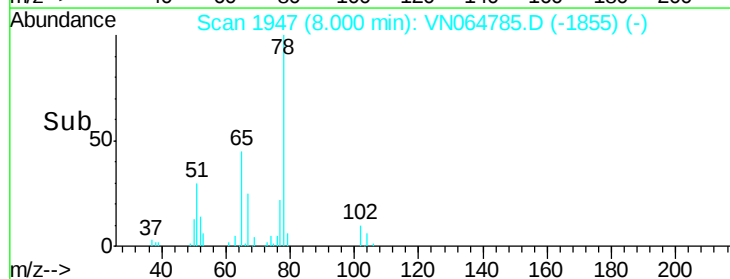
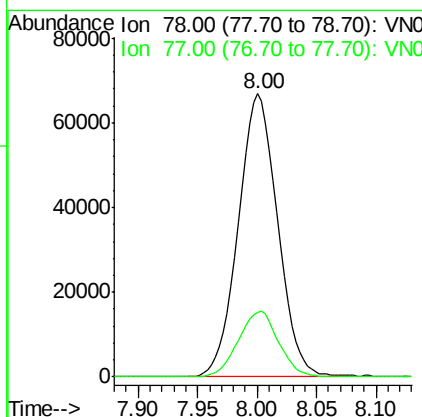
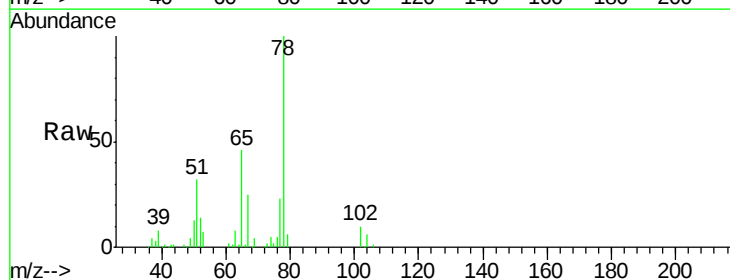
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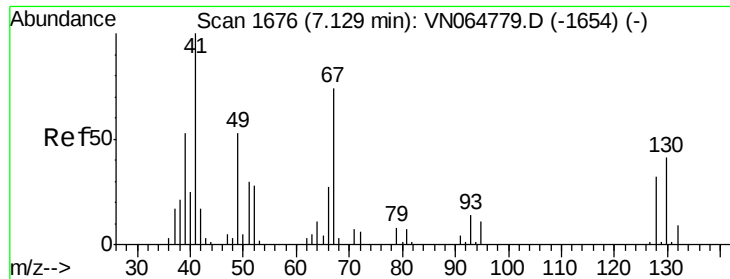
MMDadoda
11/24/2020 3:01:30 PM



#40
Benzene
Concen: 18.022 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.9	26.9





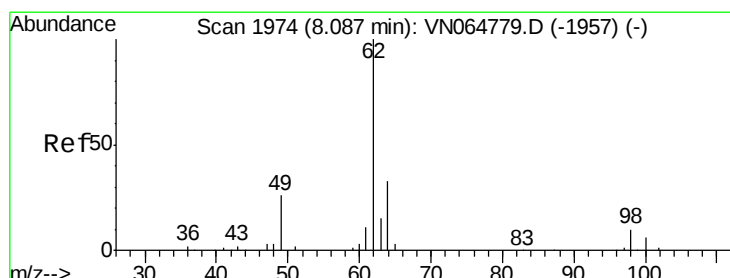
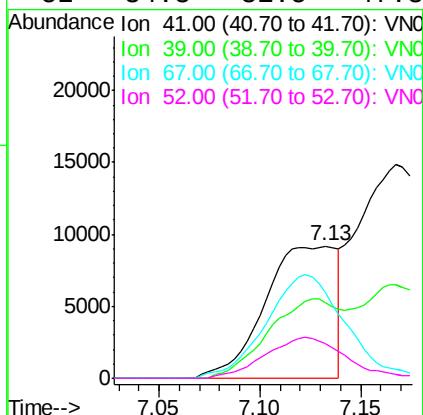
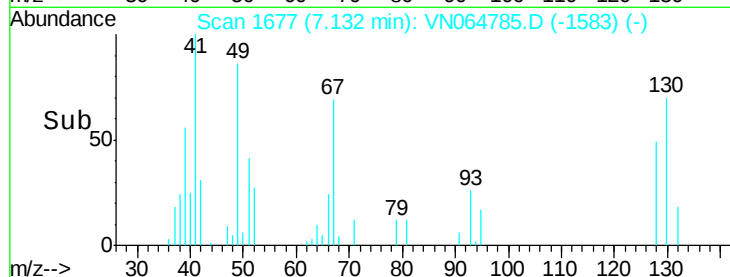
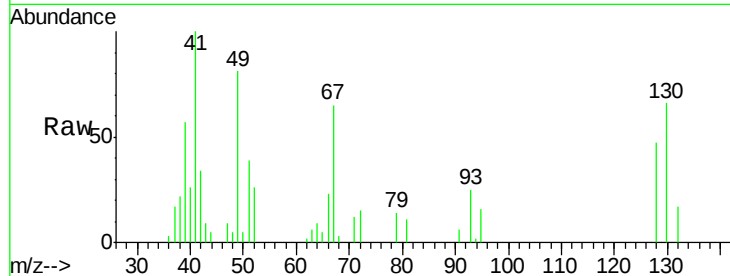
#41
Methacrylonitrile
Concen: 18.394 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	41.00	Resp	22669
Ion	Ratio	Lower	Upper
41	100		
39	59.9	51.0	76.6
67	86.8	79.8	119.8
52	34.3	31.5	47.3

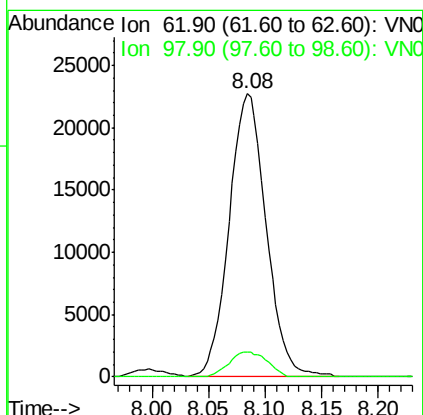
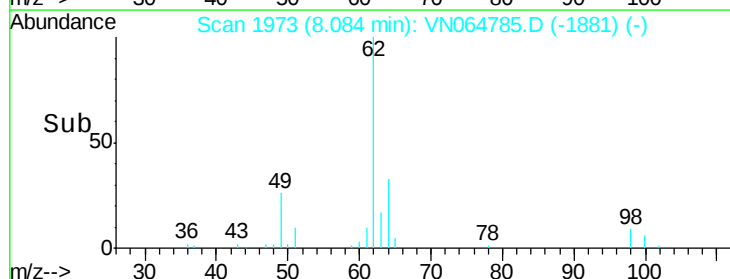
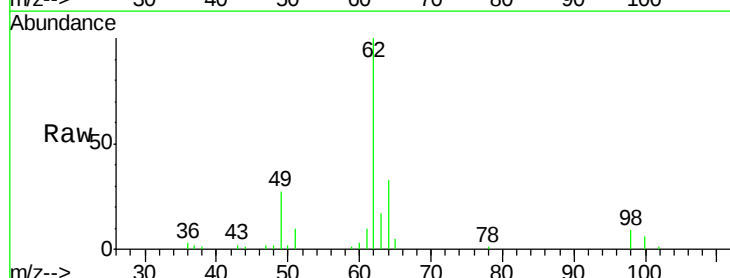
Manual Integrations
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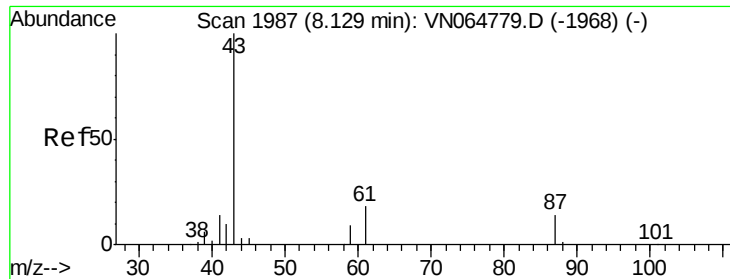
MMDadoda
11/24/2020 3:01:30 PM



#42
1,2-Dichloroethane
Concen: 18.123 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	62	Resp	51947
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.6





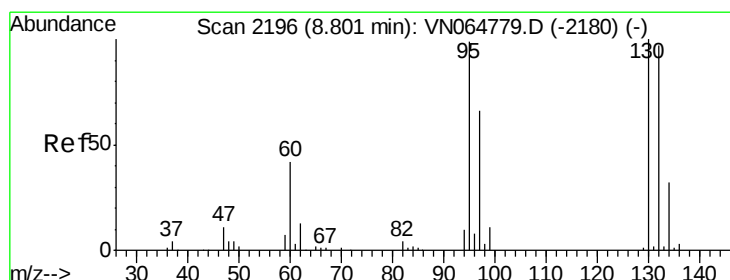
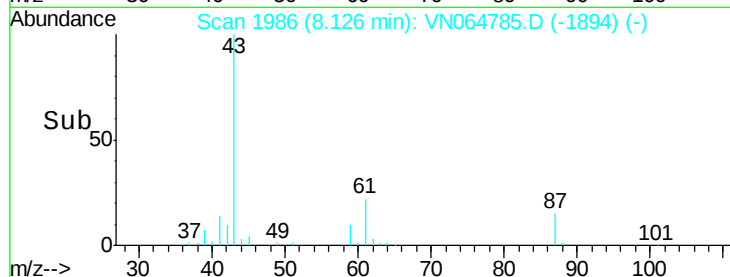
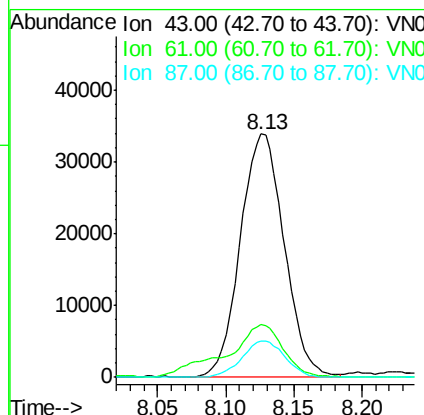
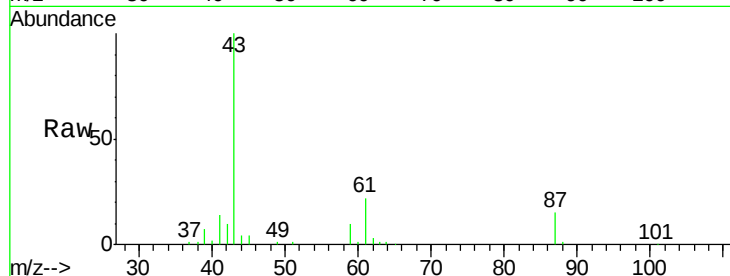
#43
Isopropyl Acetate
Concen: 17.653 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	17.2	25.8#
87	14.4	11.4	17.0

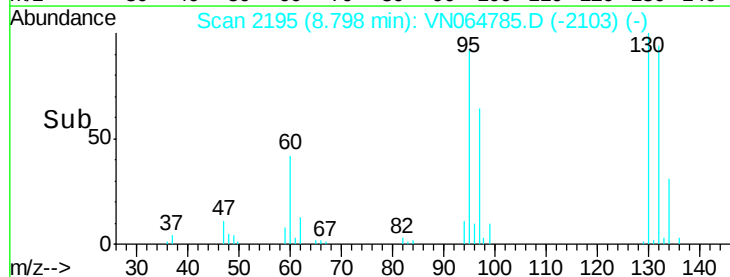
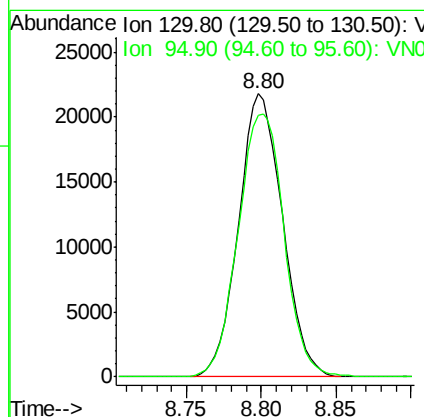
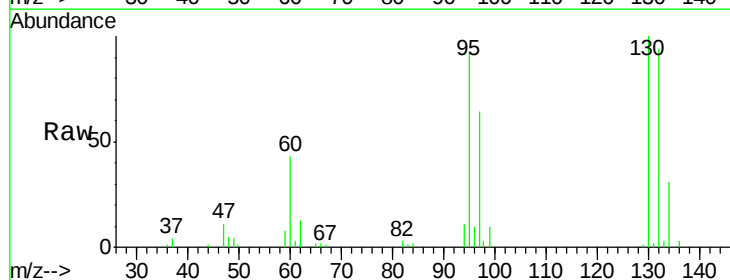
Manual Integrations
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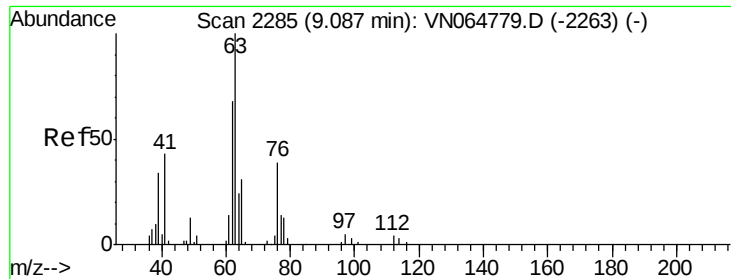
MMDadoda
11/24/2020 3:01:30 PM



#44
Trichloroethene
Concen: 17.776 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	197.8





#45

1,2-Dichloropropane

Concen: 18.667 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 63 Resp: 41075

Ion Ratio Lower Upper

63 100

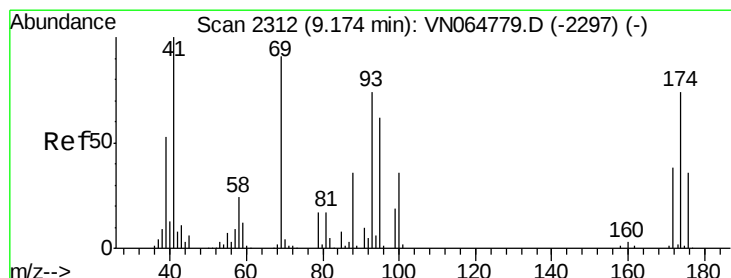
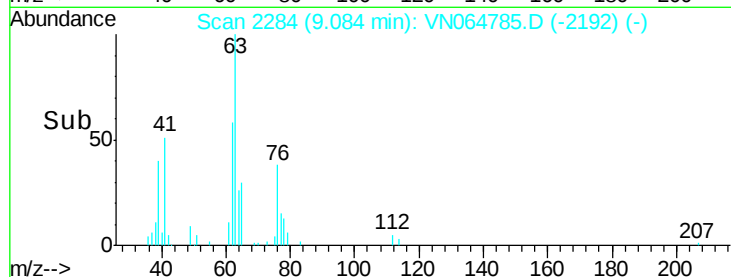
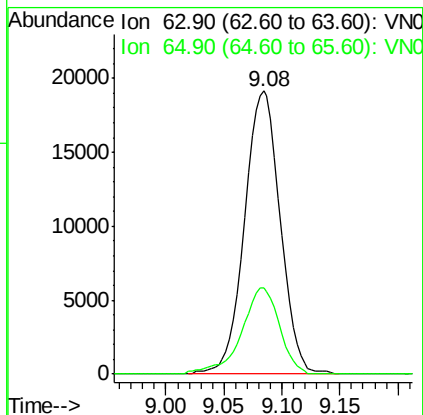
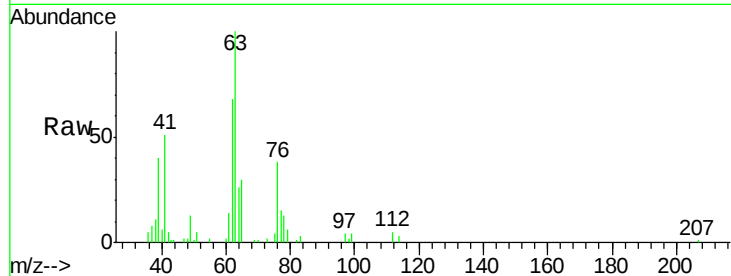
65 30.3 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 18.616 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

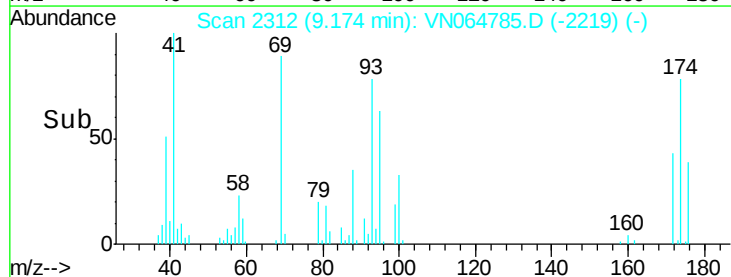
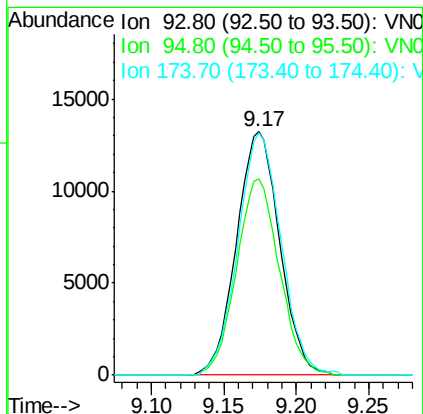
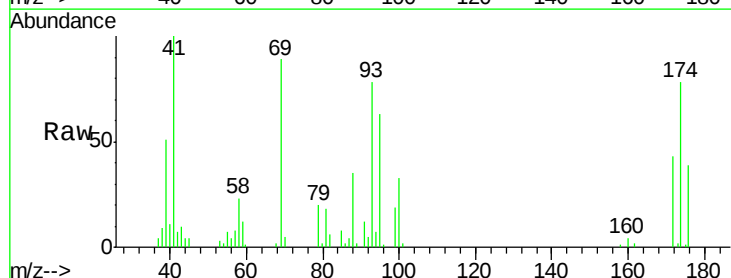
Tgt Ion: 93 Resp: 27366

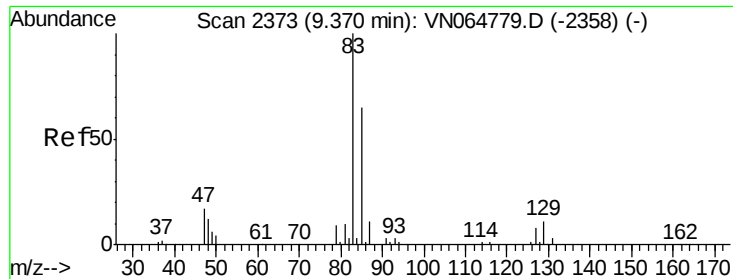
Ion Ratio Lower Upper

93 100

95 79.8 68.8 103.2

174 99.7 83.1 124.7





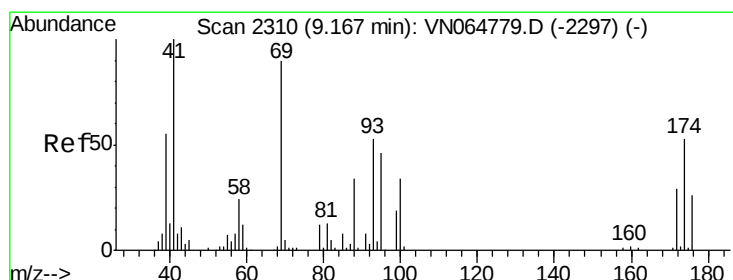
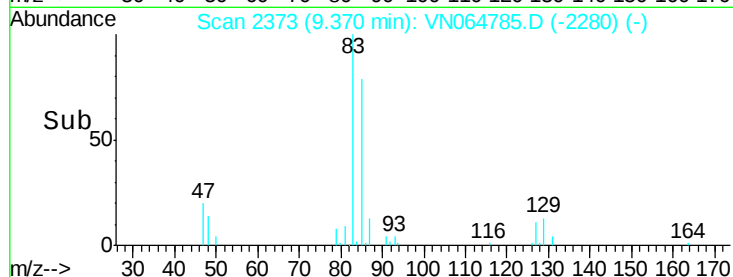
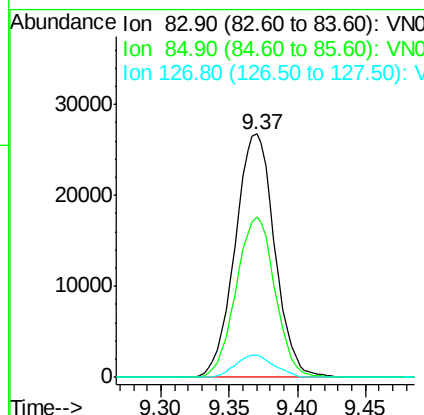
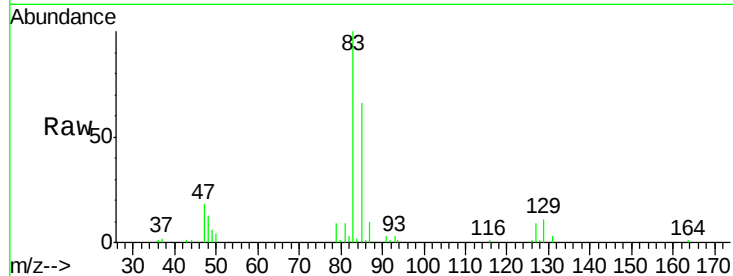
#47
Bromodichloromethane
Concen: 18.204 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	83	Resp	53846
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.8	77.8
127	8.9	6.8	10.2

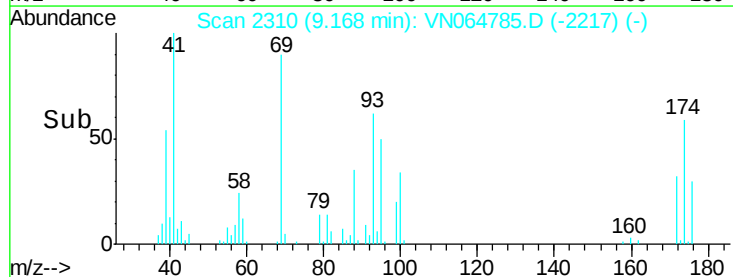
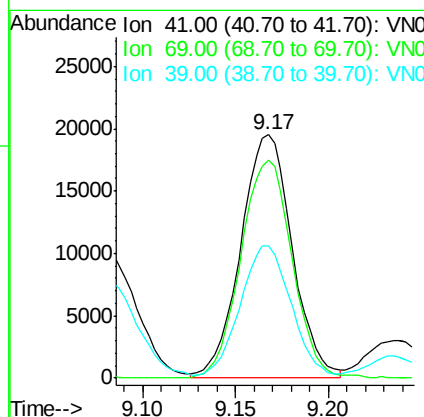
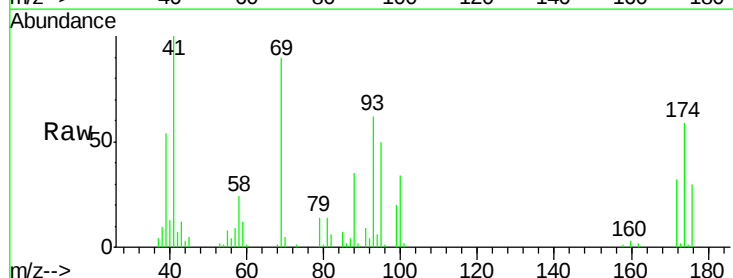
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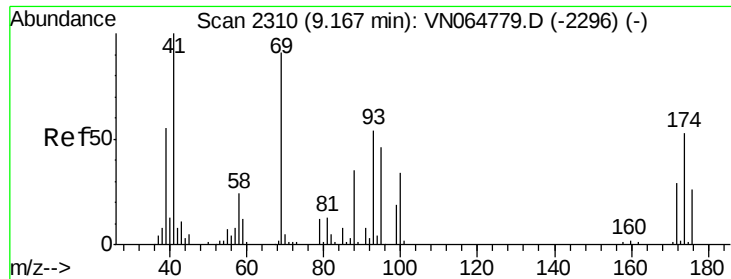
MMDadoda
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#48
Methyl methacrylate
Concen: 18.320 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	41	Resp	37624
Ion Ratio	100	Lower	Upper
41	100		
69	89.2	71.8	107.8
39	54.1	44.1	66.1





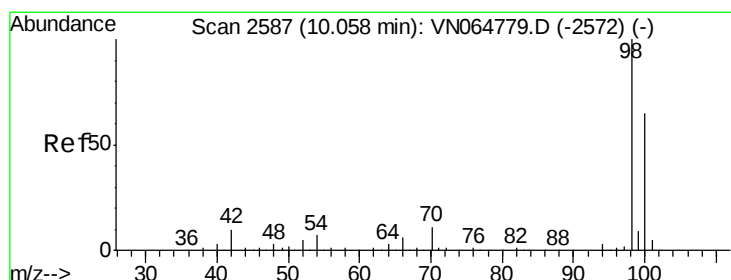
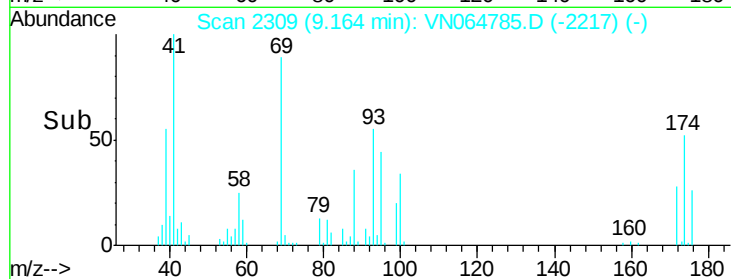
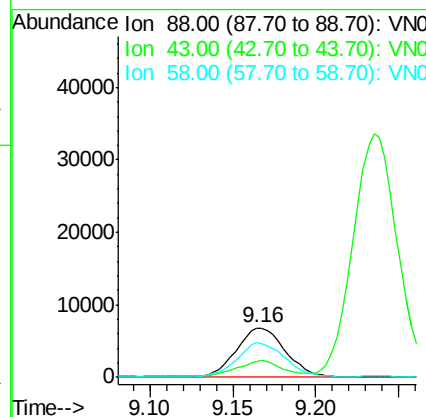
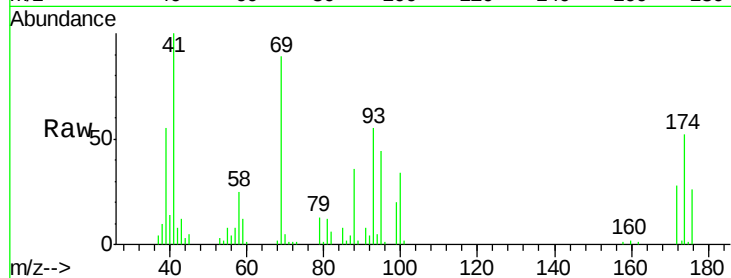
#49
1,4-Dioxane
Concen: 362.437 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	88	Resp	14068
Ion	Ratio	Lower	Upper
88	100		
43	28.4	24.2	36.4
58	68.2	52.5	78.7

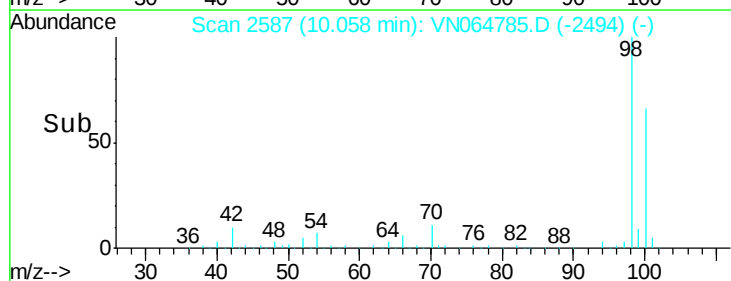
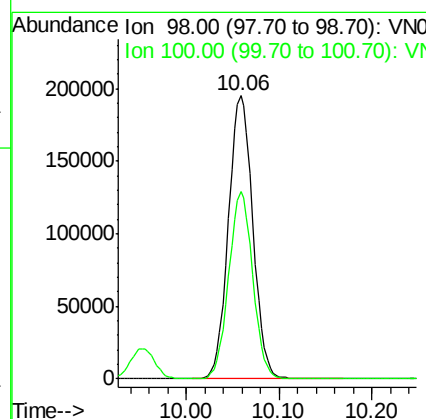
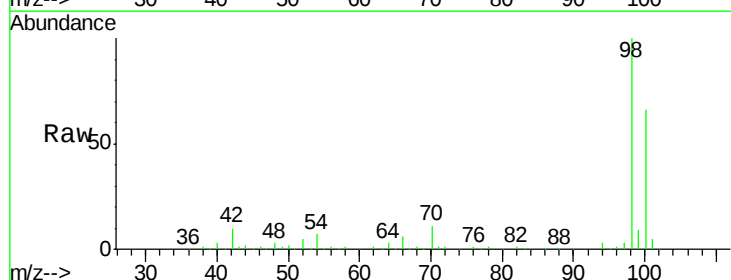
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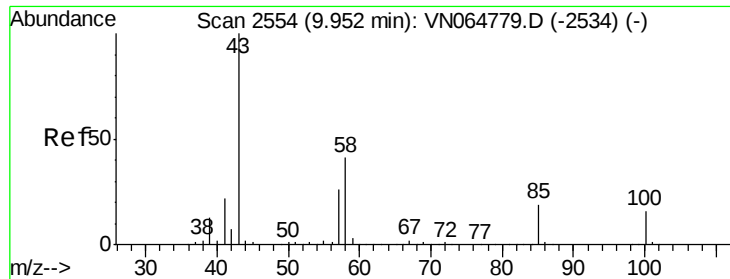
MMDadoda
11/24/2020 3:01:30 PM



#50
Toluene-d8
Concen: 48.661 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	98	Resp	355896
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 91.295 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 43 Resp: 235560

Ion Ratio Lower Upper

43 100

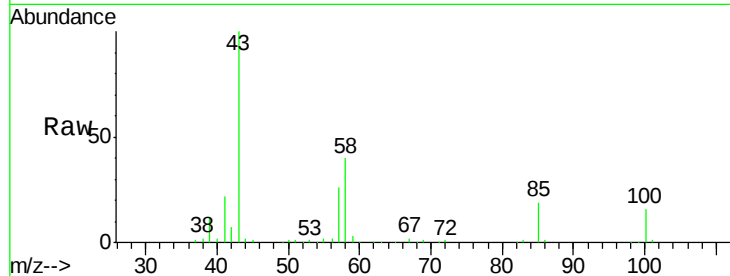
58 39.4 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

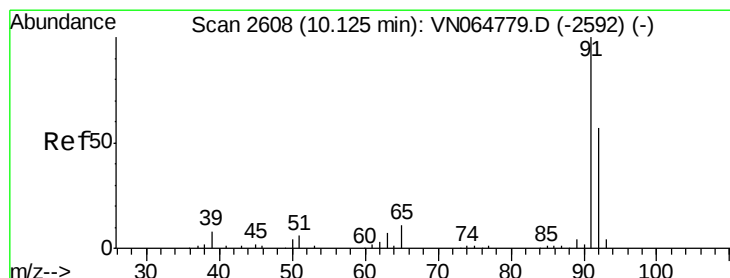
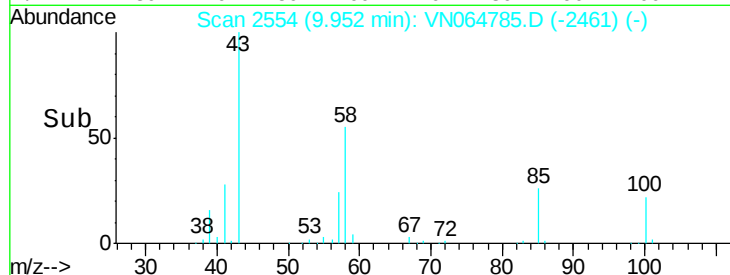
100000

50000

0

9.85 9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.313 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064785.D

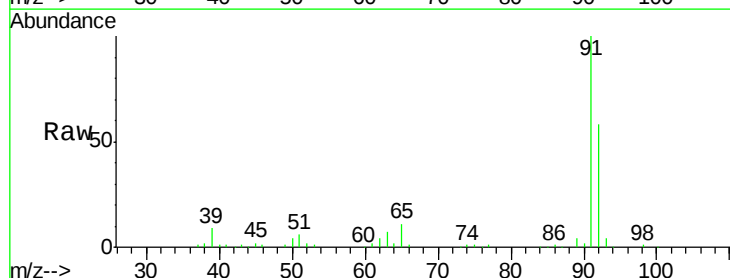
Acq: 23 Nov 2020 15:54

Tgt Ion: 92 Resp: 95824

Ion Ratio Lower Upper

92 100

91 172.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

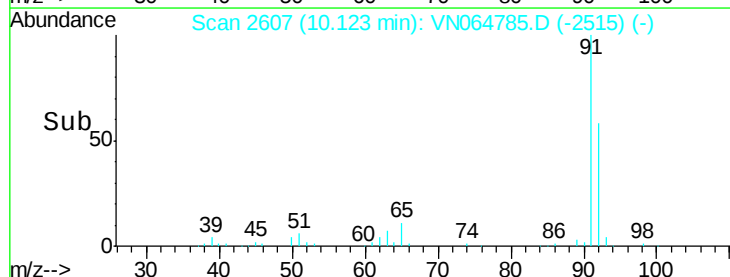
40000

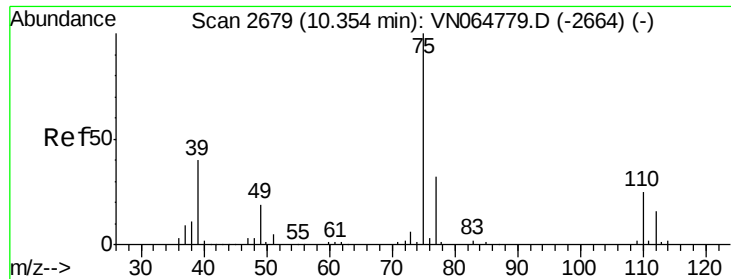
20000

0

10.10 10.12 10.20

Time-->





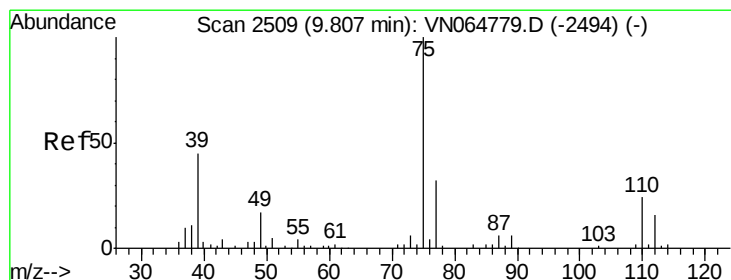
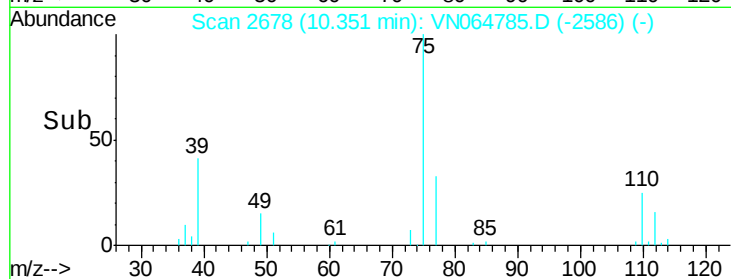
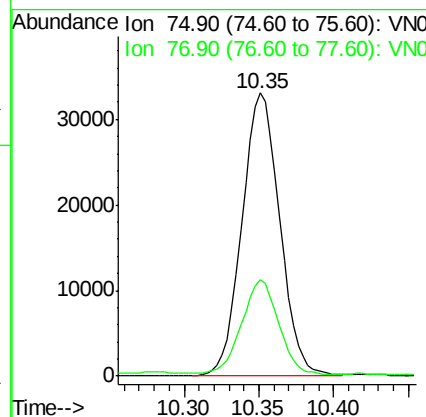
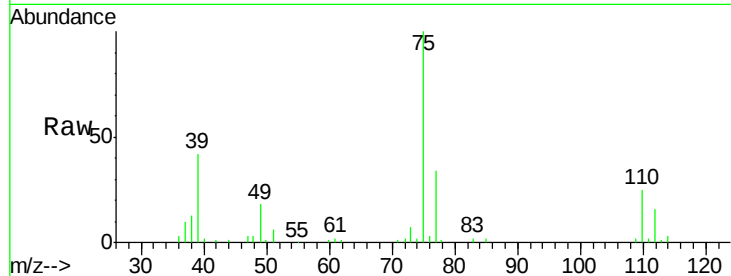
#53
t-1,3-Dichloropropene
Concen: 17.680 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion: 75 Resp: 58245
Ion Ratio Lower Upper
75 100
77 33.1 25.8 38.6

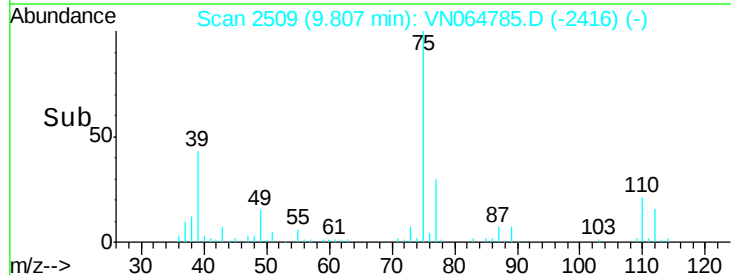
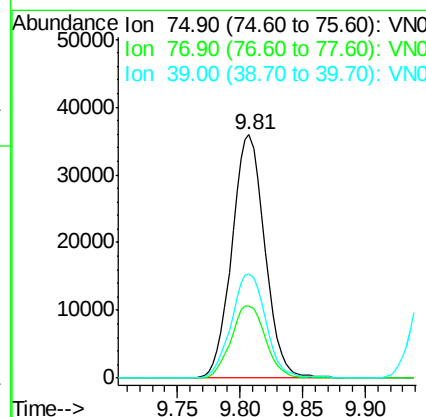
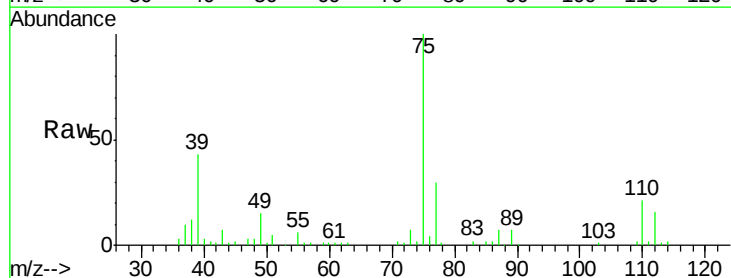
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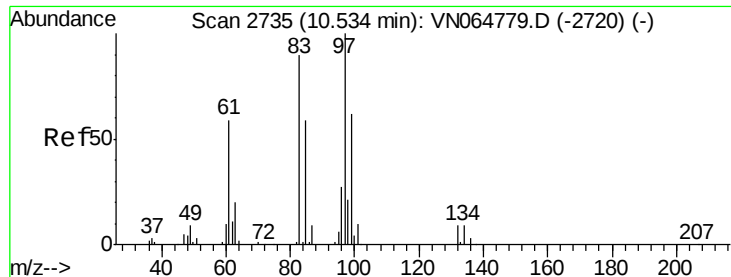
MMDadoda
11/24/2020 3:01:30 PM



#54
cis-1,3-Dichloropropene
Concen: 18.546 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion: 75 Resp: 65489
Ion Ratio Lower Upper
75 100
77 29.7 25.5 38.3
39 42.9 35.6 53.4





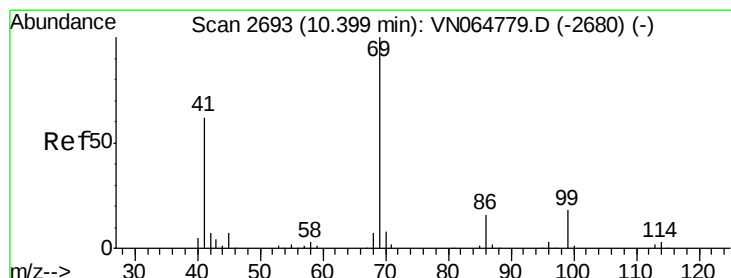
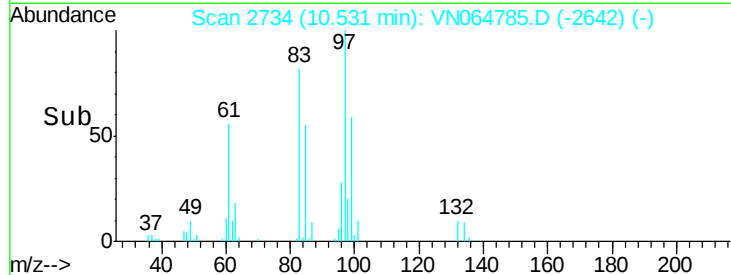
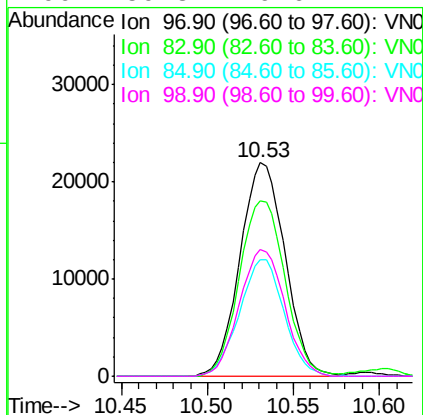
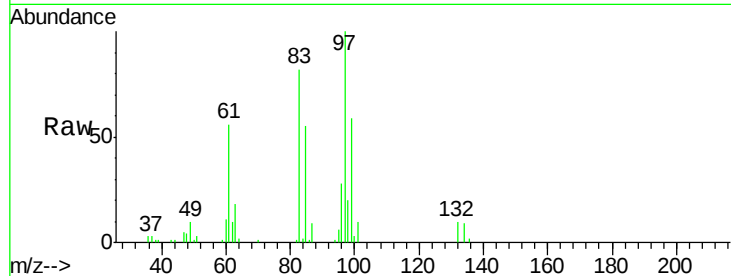
#55
 1,1,2-Trichloroethane
 Concen: 18.546 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	97	Resp	39906
Ion	Ratio	Lower	Upper
97	100		
83	82.1	72.1	108.1
85	54.8	46.8	70.2
99	59.3	49.6	74.4

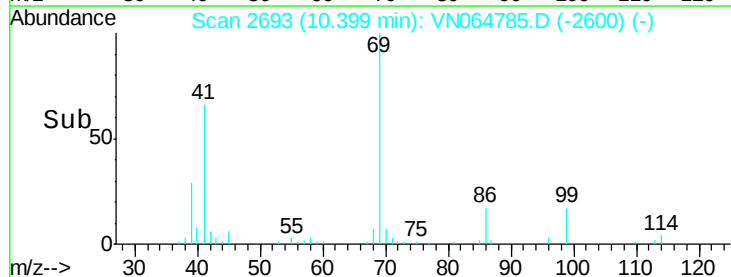
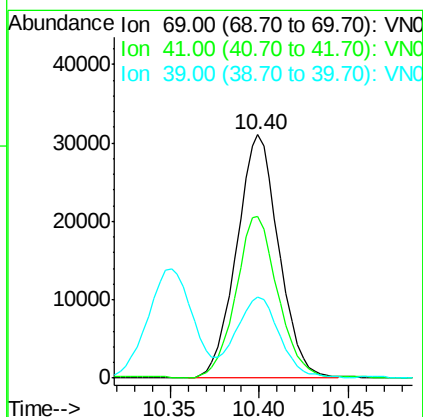
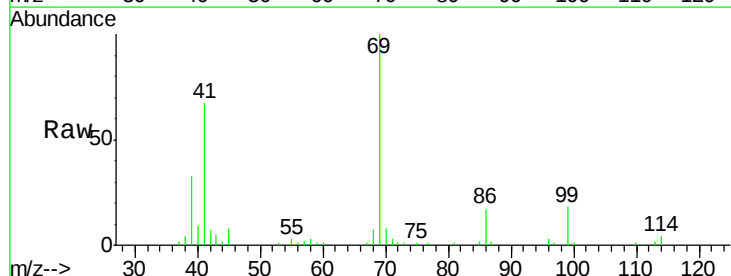
Manual Integrations
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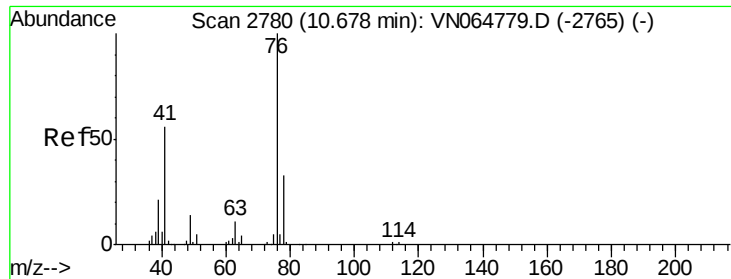
MMDadoda
 11/24/2020 3:01:30 PM



#56
 Ethyl methacrylate
 Concen: 17.213 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	69	Resp	51111
Ion	Ratio	Lower	Upper
69	100		
41	66.4	49.4	74.0
39	34.4	25.9	38.9





#57

1,3-Dichloropropane

Concen: 18.182 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 76 Resp: 64536

Ion Ratio Lower Upper

76 100

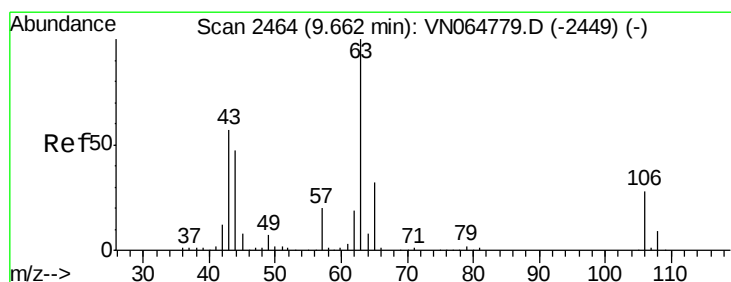
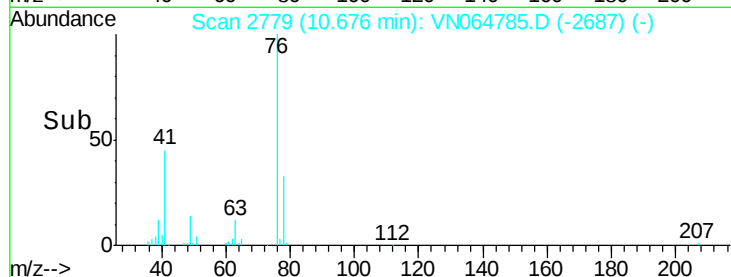
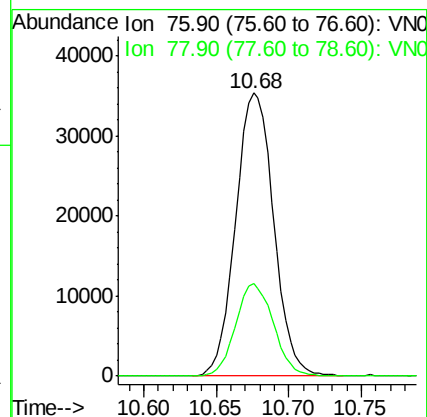
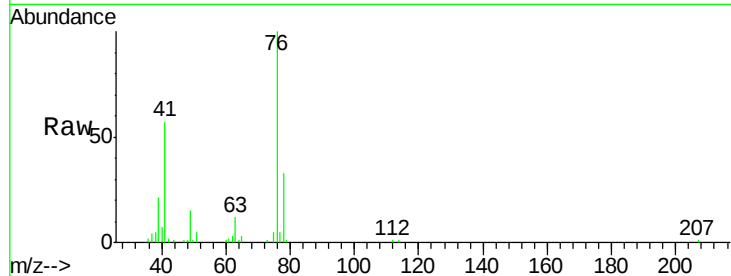
78 32.5 26.1 39.1

Manual Integrations

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11/24/2020 3:01:30 PM



#58

2-Chloroethyl Vinyl ether

Concen: 89.712 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064785.D

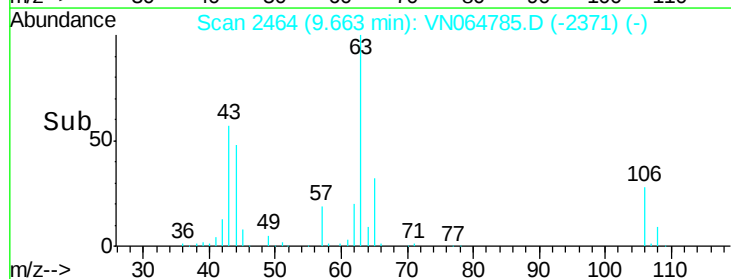
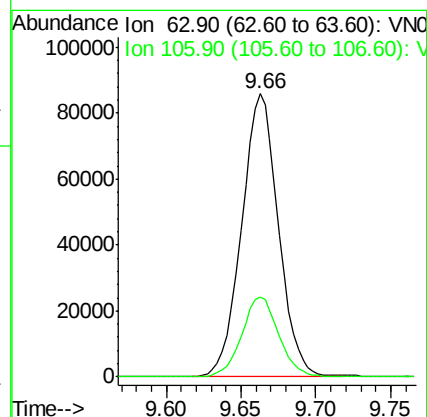
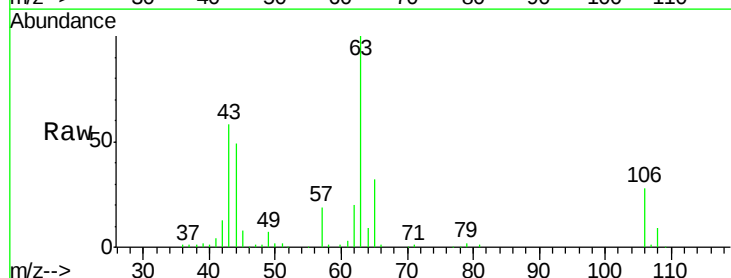
Acq: 23 Nov 2020 15:54

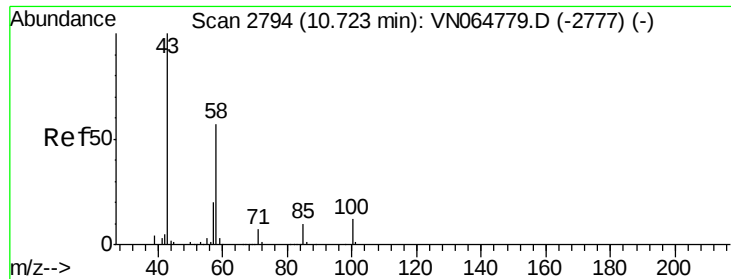
Tgt Ion: 63 Resp: 146529

Ion Ratio Lower Upper

63 100

106 28.3 22.7 34.1





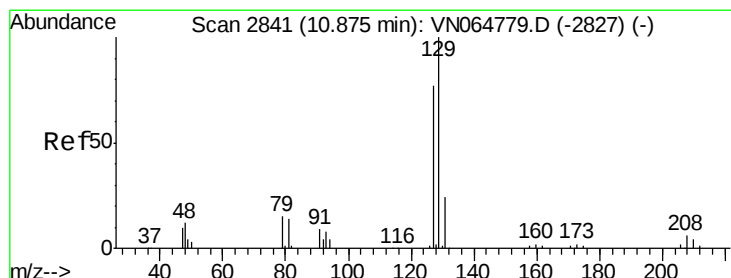
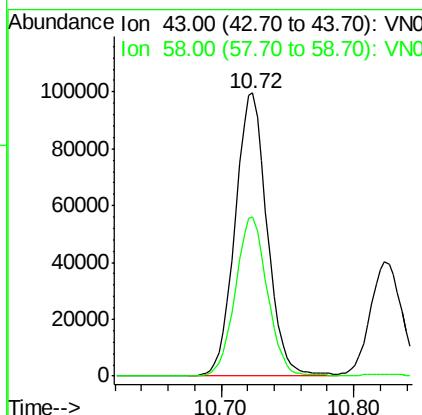
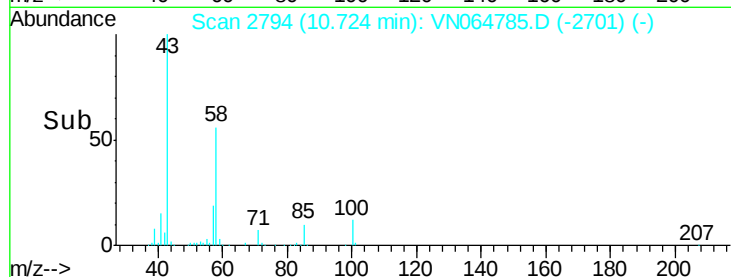
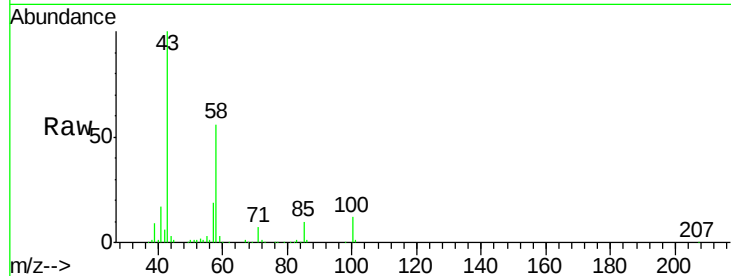
#59
2-Hexanone
Concen: 90.163 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion: 43 Resp: 167428
Ion Ratio Lower Upper
43 100
58 56.0 28.3 84.9

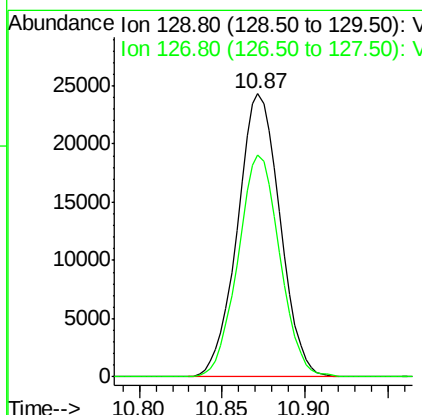
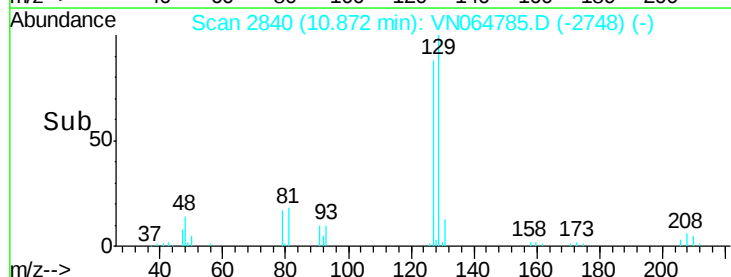
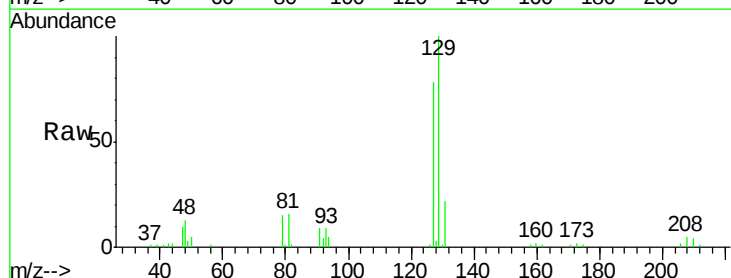
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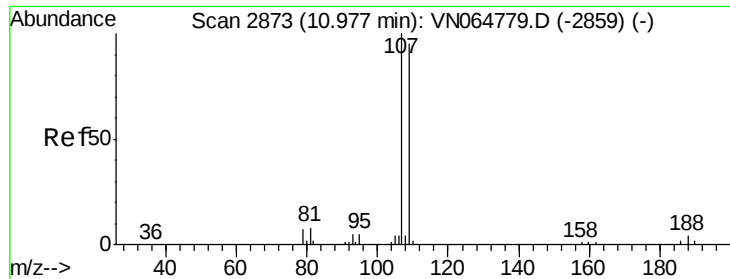
MMDadoda
11/24/2020 3:01:30 PM



#60
Dibromochloromethane
Concen: 18.187 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion: 129 Resp: 43500
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.144 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion:107 Resp: 39665

Ion Ratio Lower Upper

107 100

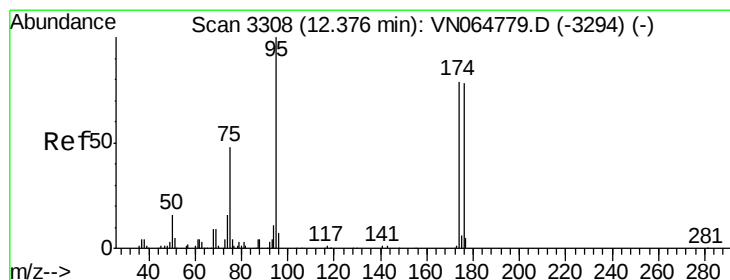
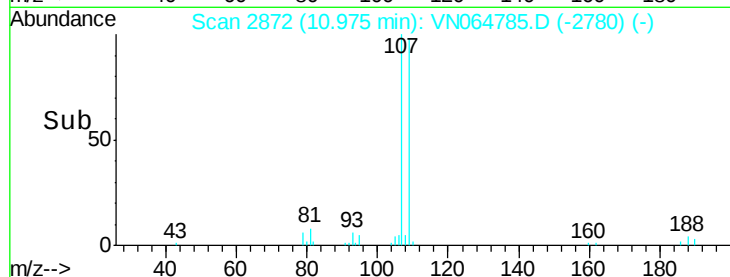
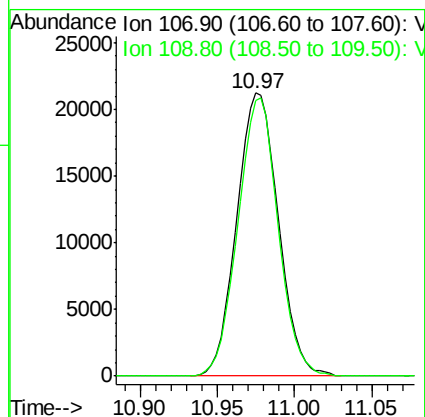
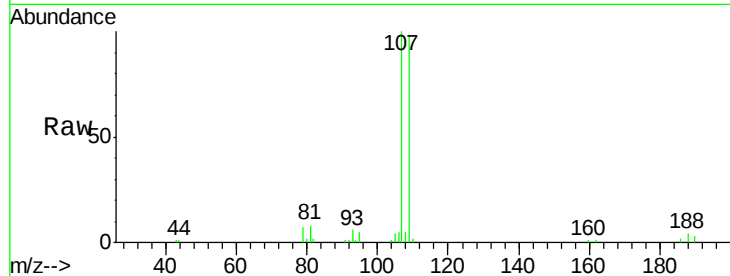
109 95.0 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.252 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

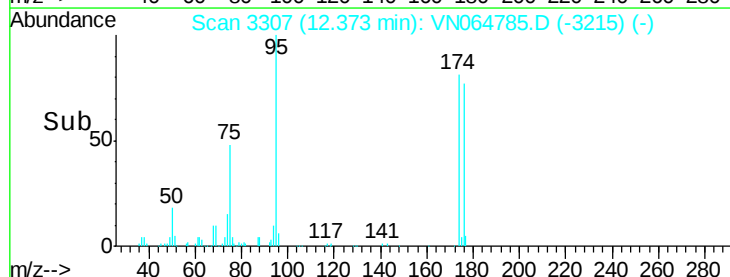
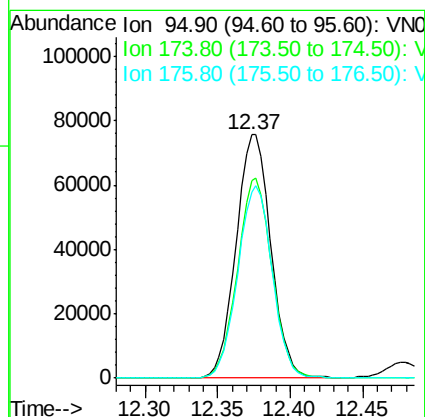
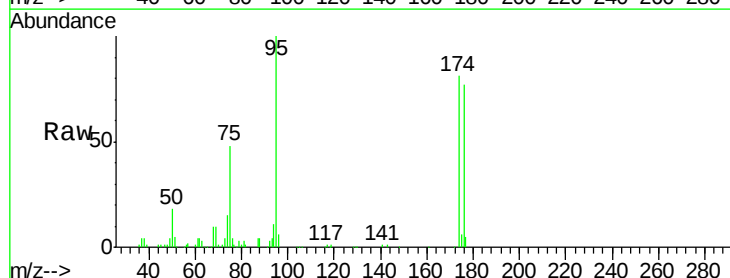
Tgt Ion: 95 Resp: 126298

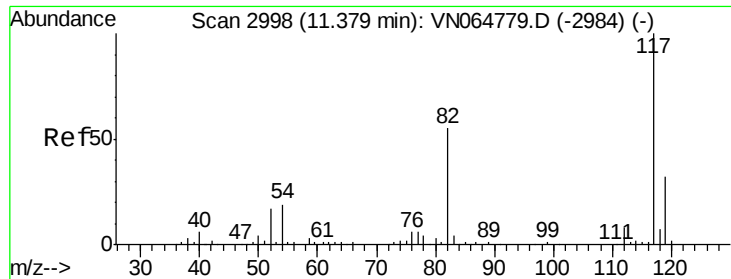
Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.4

176 78.4 0.0 158.4





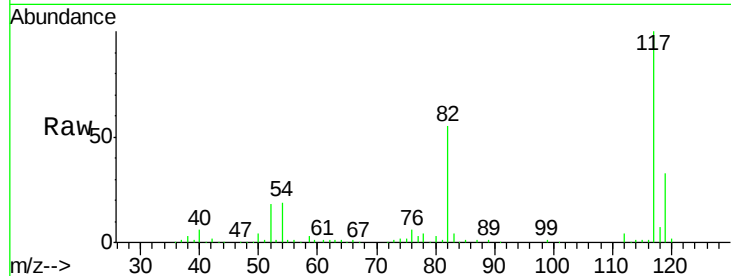
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	32.5	25.8	38.6

Manual Integrations
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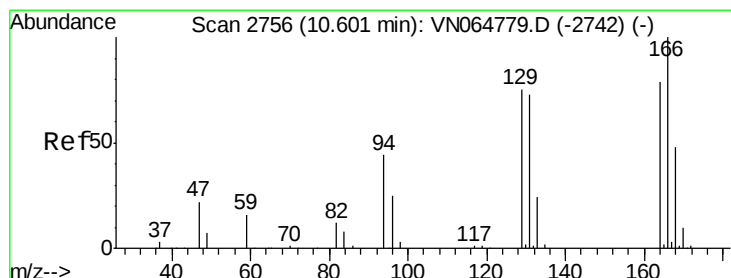
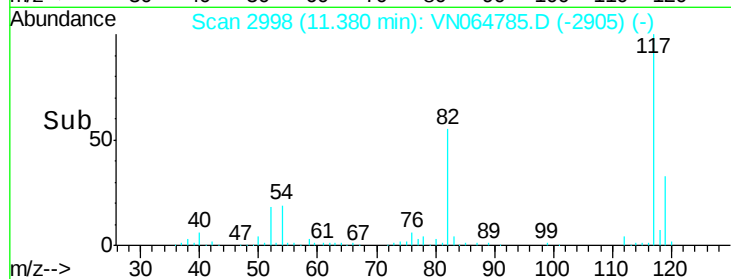
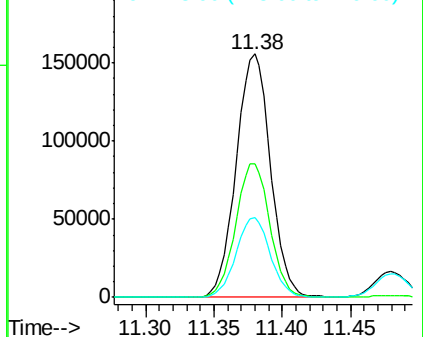


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.823 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.4	152.0
129	96.7	76.1	114.1
131	93.3	74.2	111.2

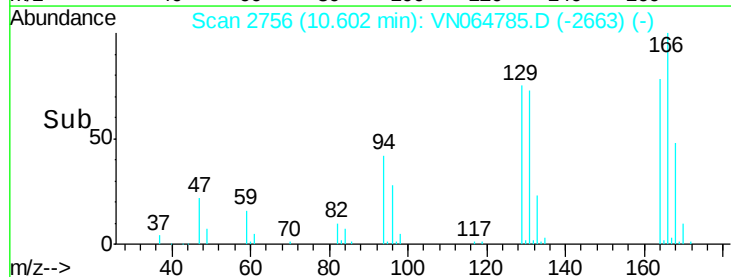
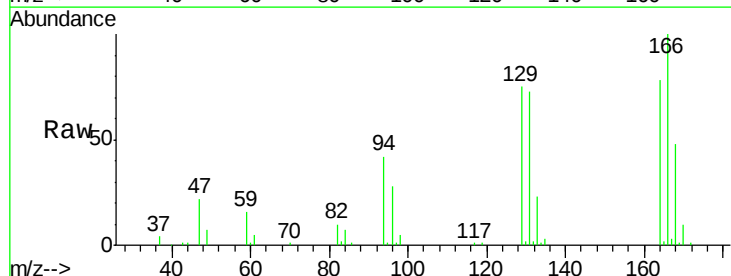
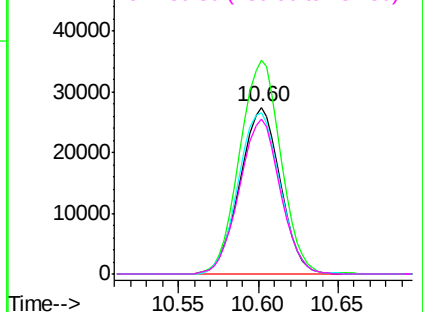
Abundance

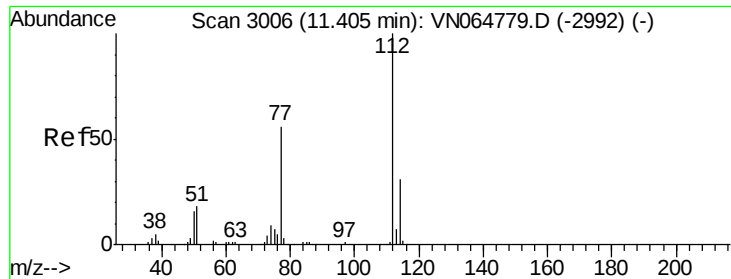
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





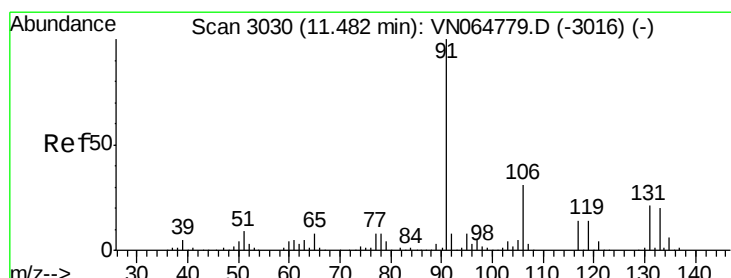
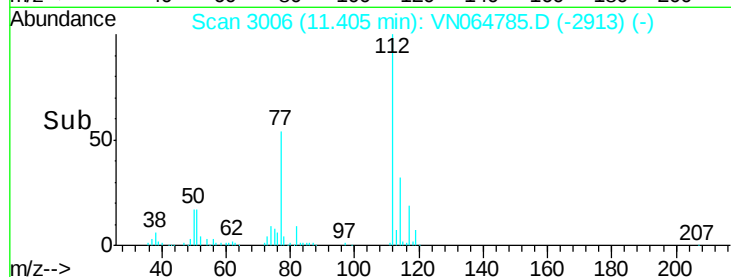
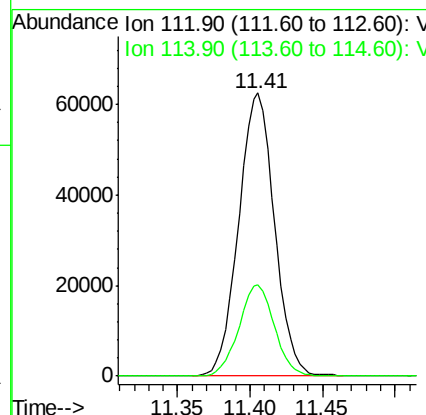
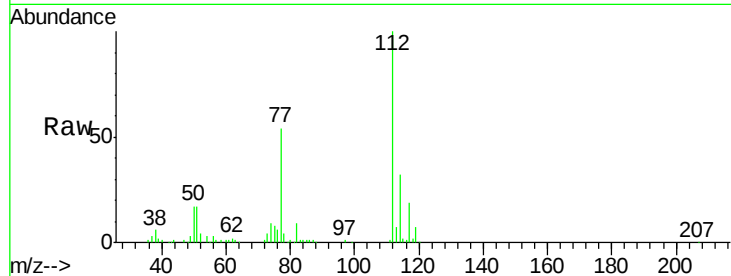
#65
Chlorobenzene
Concen: 18.319 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion:112 Resp: 107197
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7

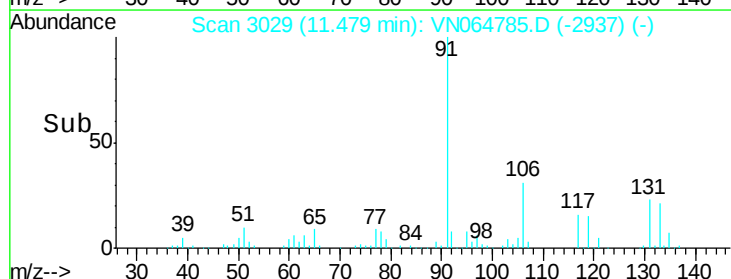
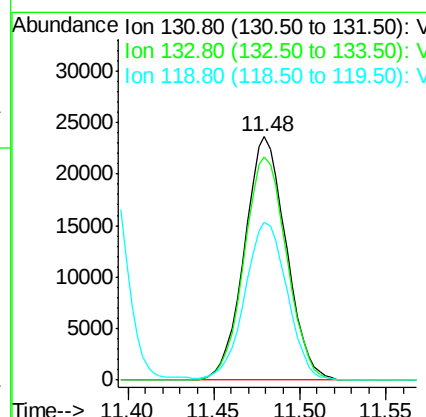
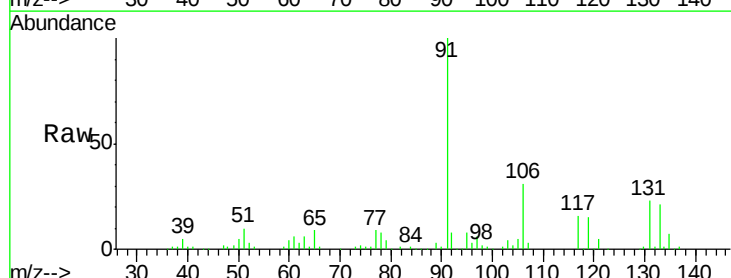
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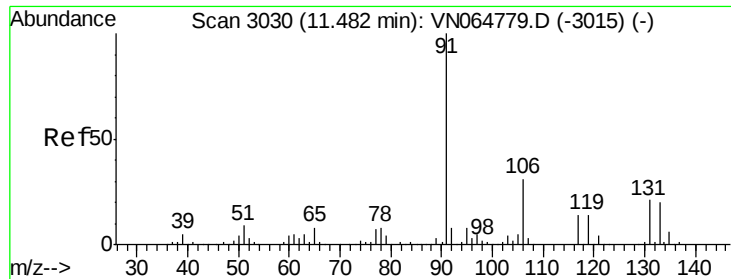
MMDadoda
11/24/2020 3:01:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.515 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion:131 Resp: 39818
Ion Ratio Lower Upper
131 100
133 93.6 47.5 142.5
119 65.9 33.3 99.8





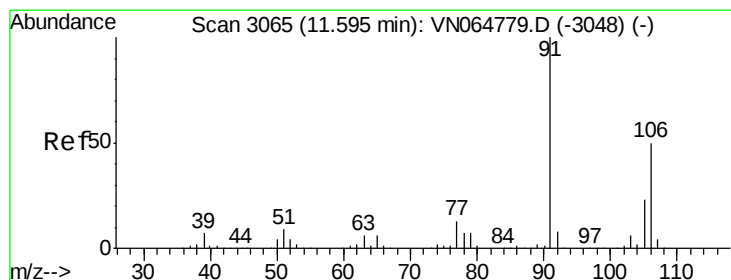
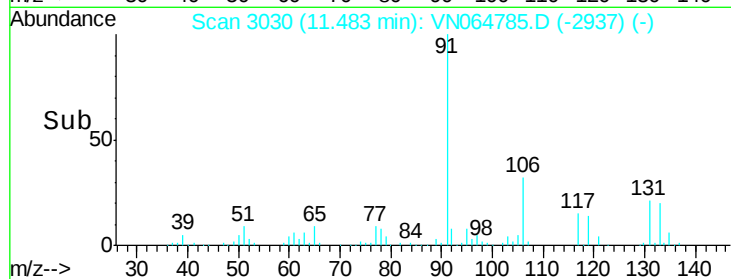
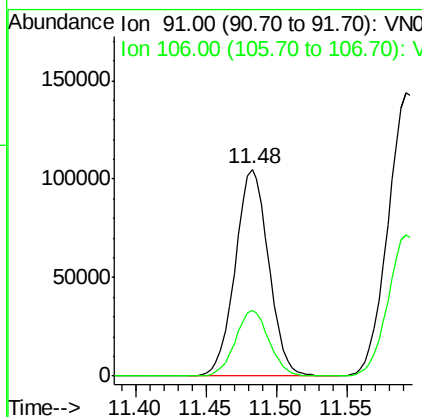
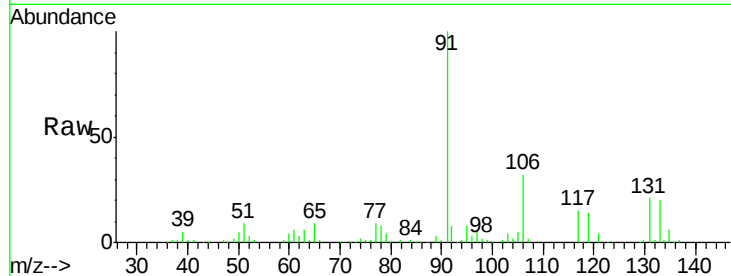
#67
Ethyl Benzene
Concen: 17.874 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion: 91 Resp: 174735
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

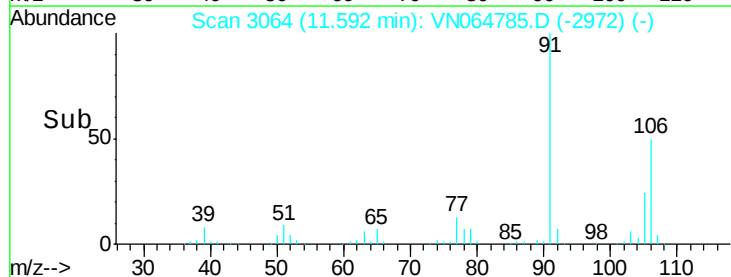
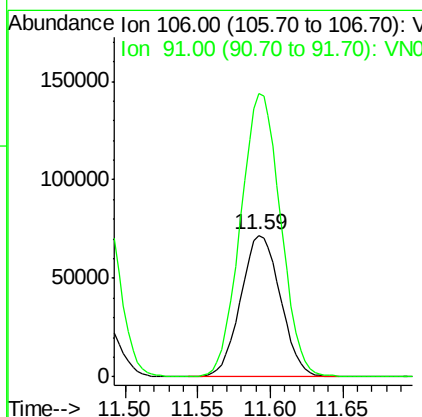
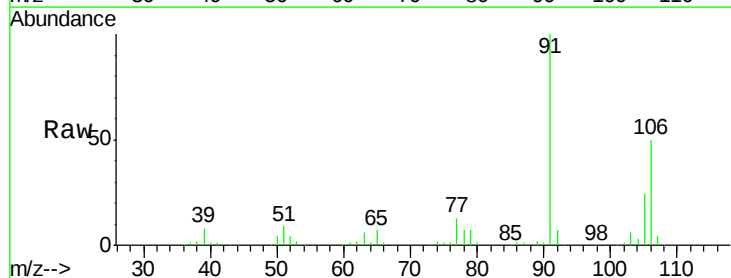
Manual Integrations
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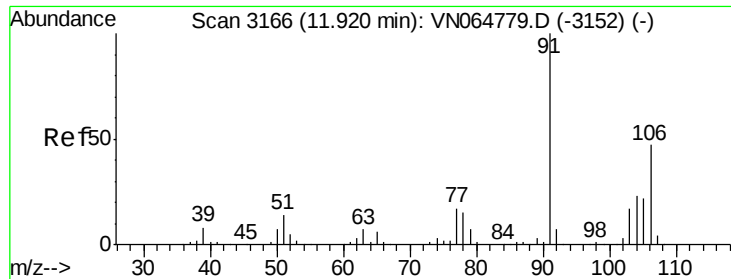
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#68
m/p-Xylenes
Concen: 37.096 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion: 106 Resp: 137300
Ion Ratio Lower Upper
106 100
91 200.5 161.0 241.4





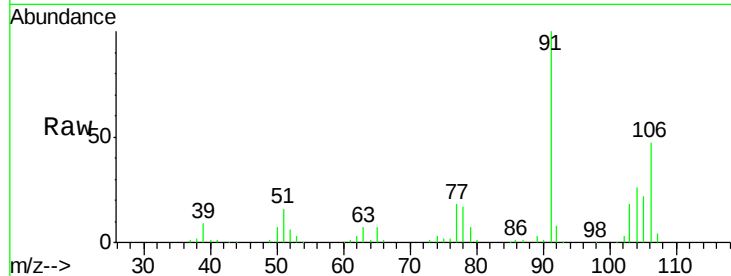
#69
o-Xylene
Concen: 18.482 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

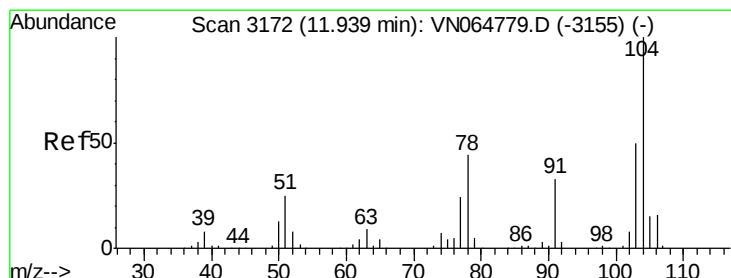
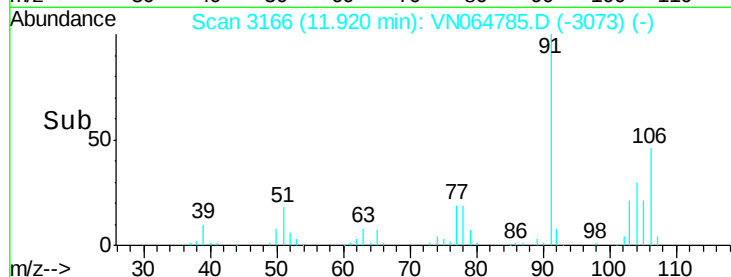
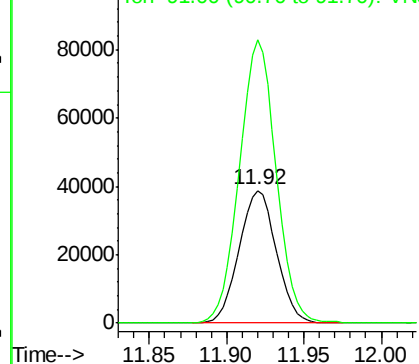
Tot Ion:106 Resp: 64912
Ion Ratio Lower Upper
106 100
91 210.0 105.5 316.5

Manual Integrations
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11/24/2020 3:01:30 PM

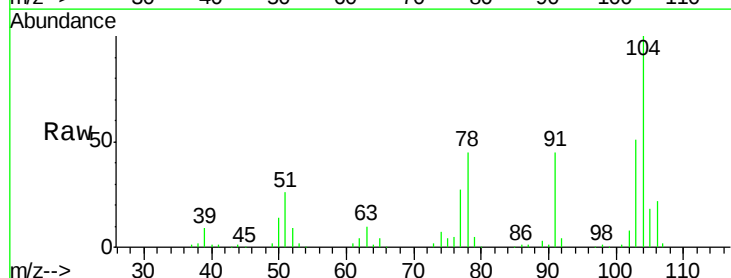


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

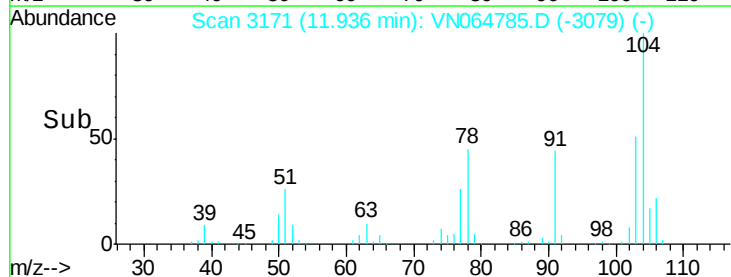
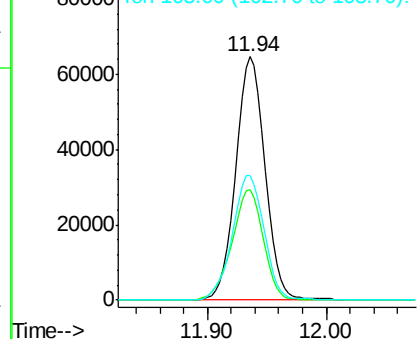


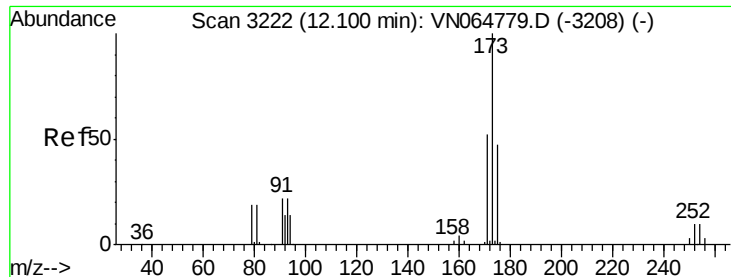
#70
Styrene
Concen: 18.616 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion:104 Resp: 110377
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.6
103 55.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.329 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion:173 Resp: 29765

Ion Ratio Lower Upper

173 100

175 50.1 24.3 72.8

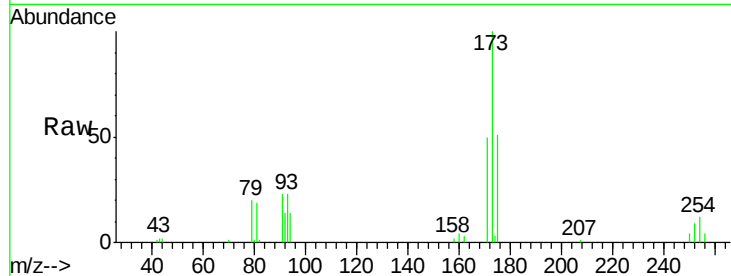
254 0.0 0.0 0.0

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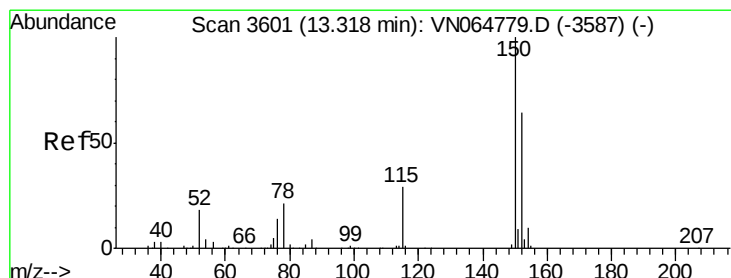
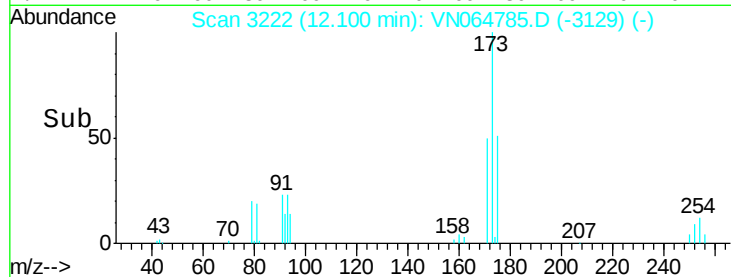
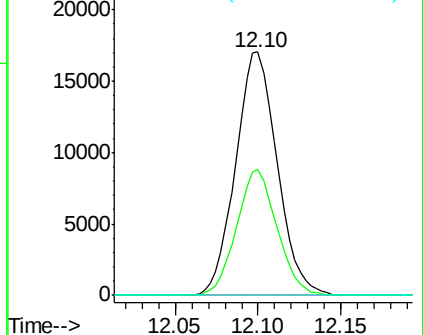
11/24/2020 3:01:30 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

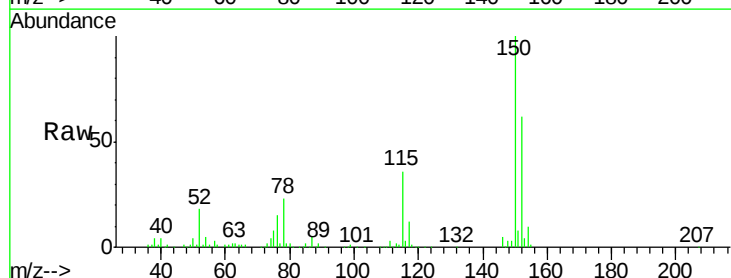
Tgt Ion:152 Resp: 134498

Ion Ratio Lower Upper

152 100

115 58.6 29.7 89.1

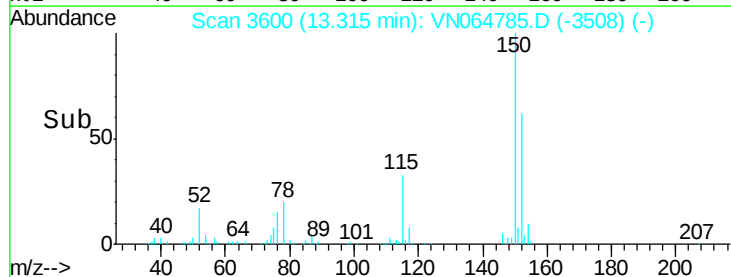
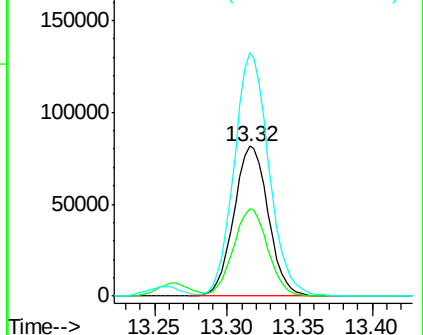
150 163.5 0.0 350.6

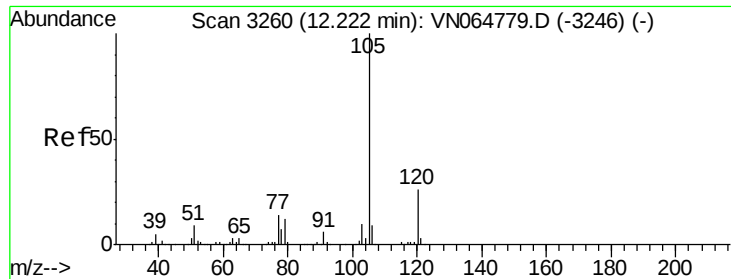


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.460 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion: 105 Resp: 172702

Ion Ratio Lower Upper

105 100

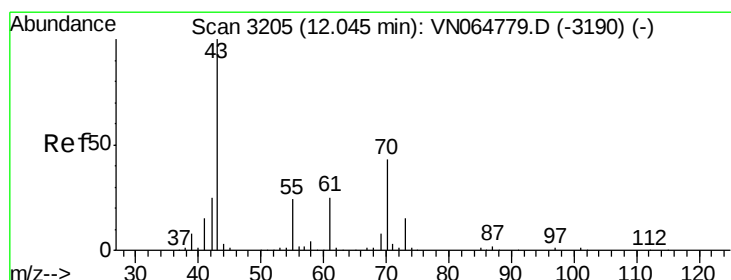
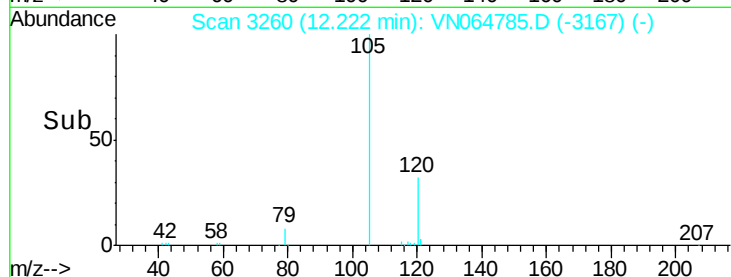
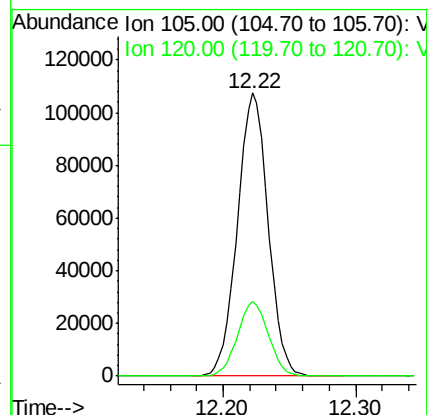
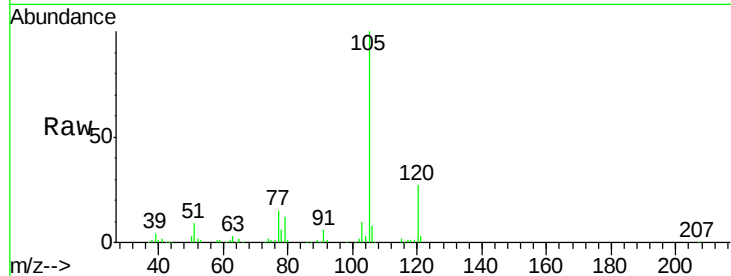
120 26.6 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.976 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion: 43 Resp: 66183

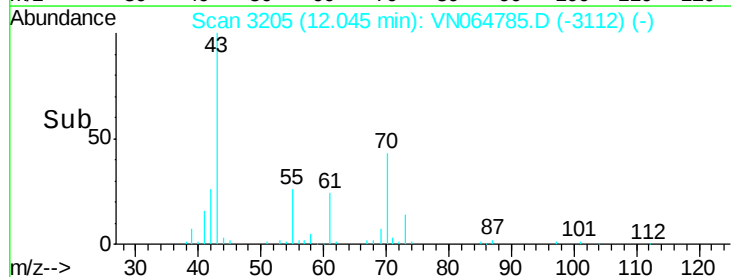
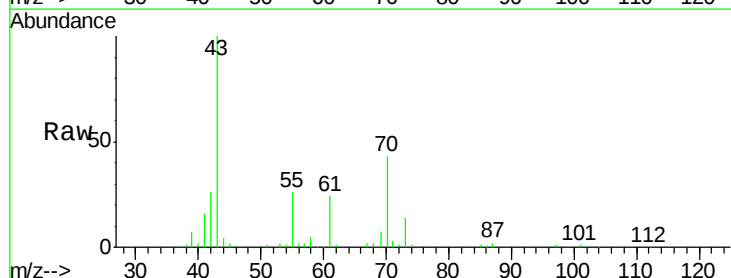
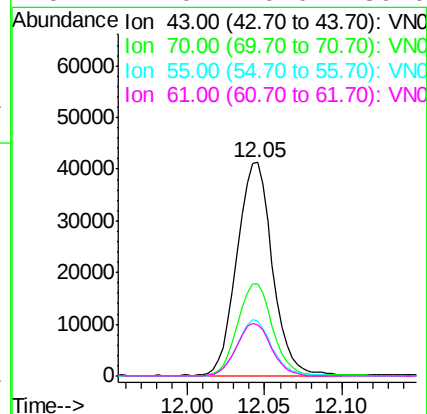
Ion Ratio Lower Upper

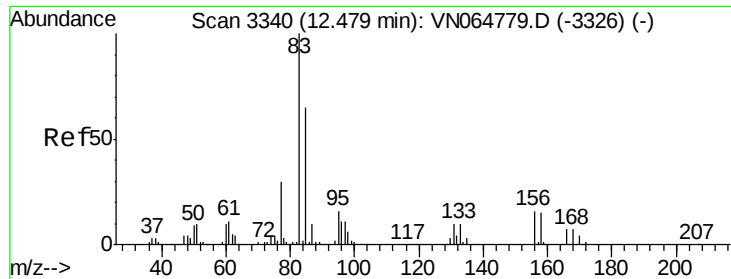
43 100

70 42.8 34.5 51.7

55 25.6 20.4 30.6

61 24.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.610 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

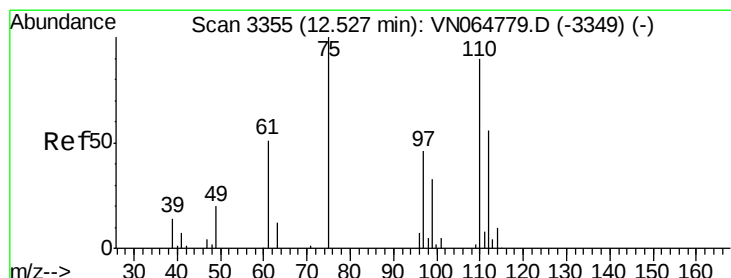
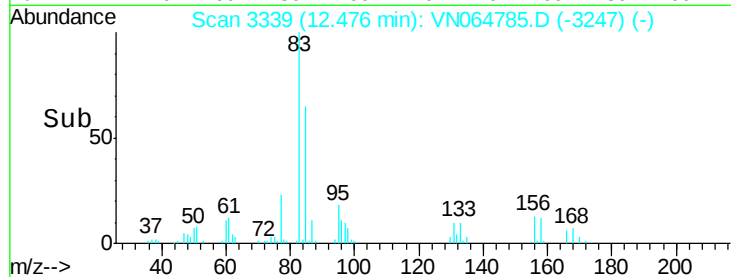
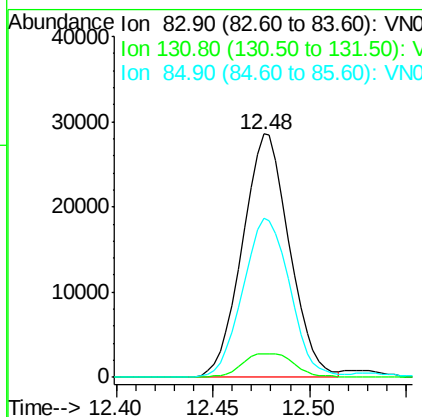
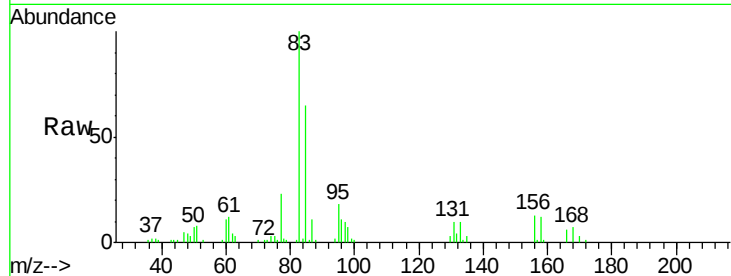
ClientSampleId :

VN1123WBS01

Tot Ion:	83	Resp:	48289
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	65.4	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 16.608 ug/l m

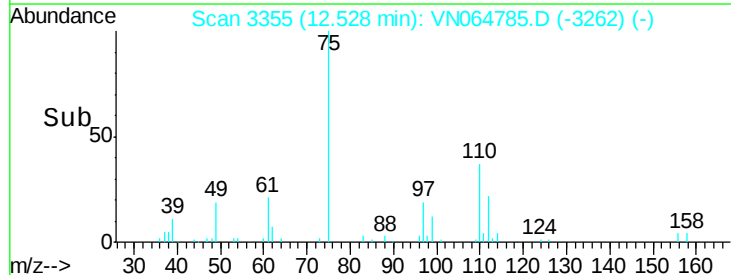
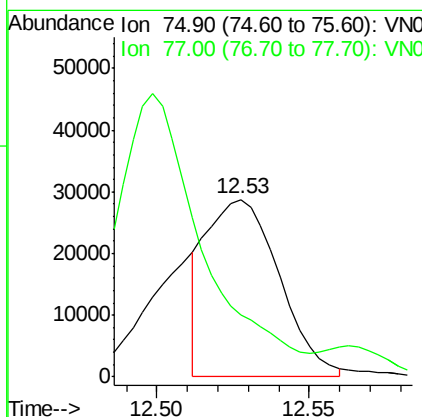
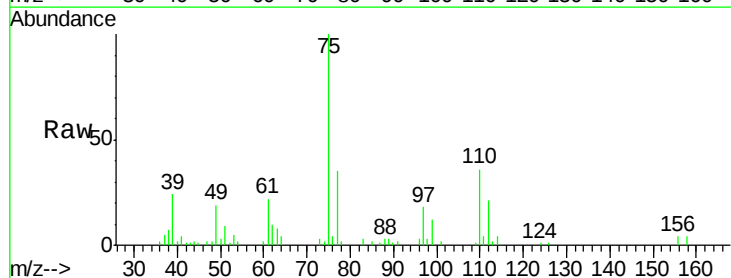
RT: 12.53 min Scan# 3355

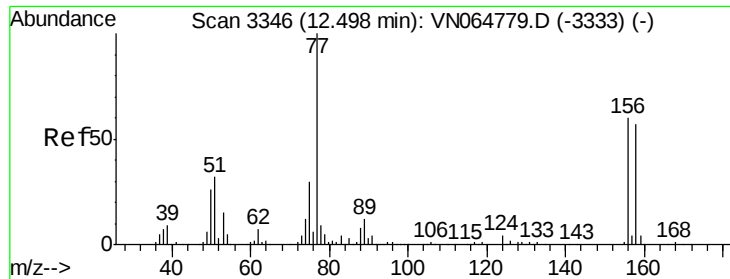
Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion:	75	Resp:	48106
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.330 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBS01

Tot Ion:156 Resp: 43708

Ion Ratio Lower Upper

156 100

77 211.5 101.3 303.7

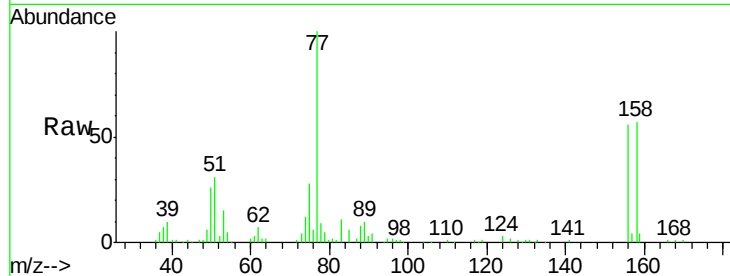
158 100.5 48.2 144.6

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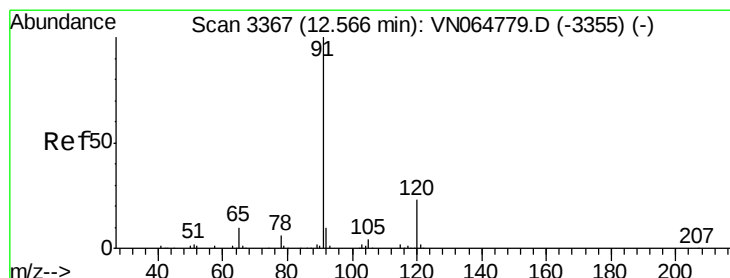
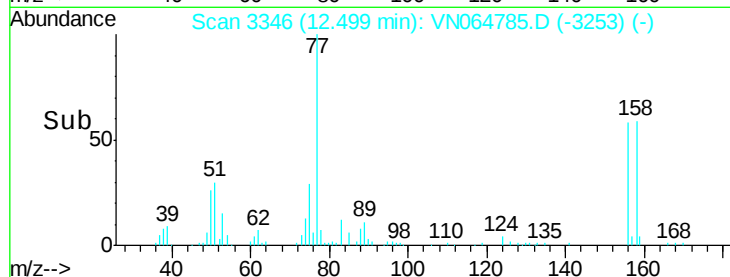
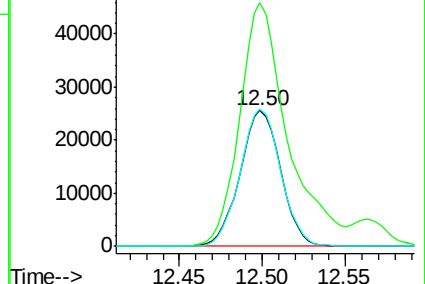
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.394 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064785.D

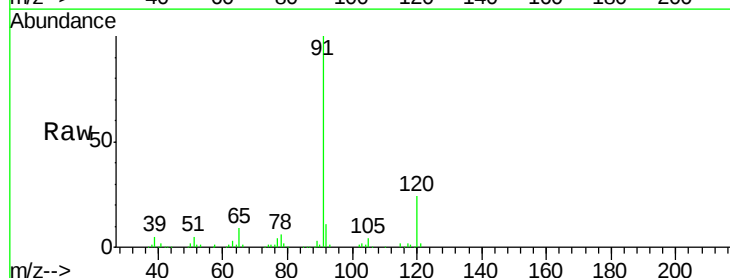
Acq: 23 Nov 2020 15:54

Tgt Ion: 91 Resp: 196035

Ion Ratio Lower Upper

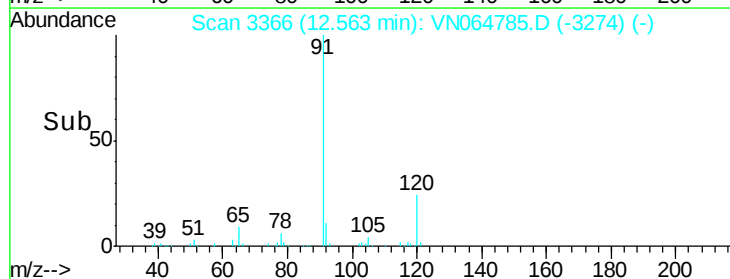
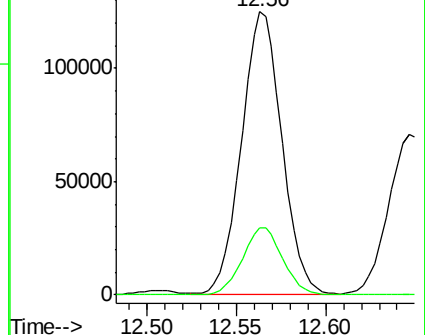
91 100

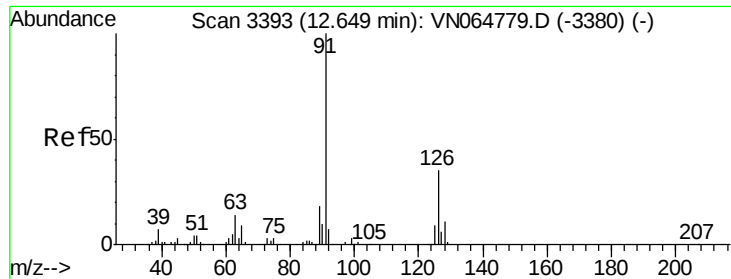
120 23.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





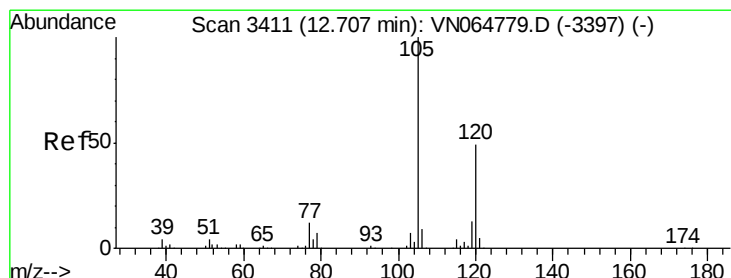
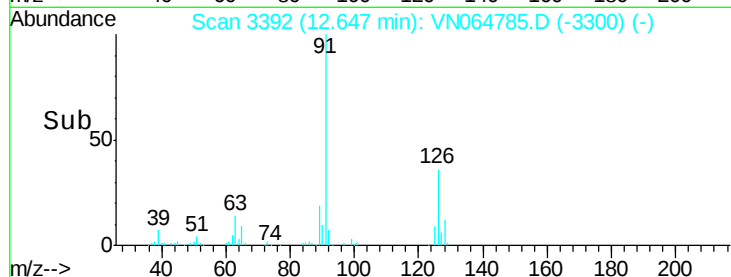
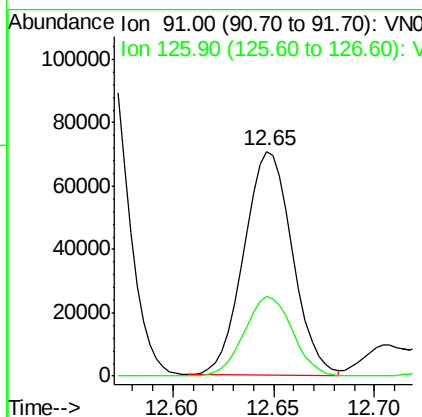
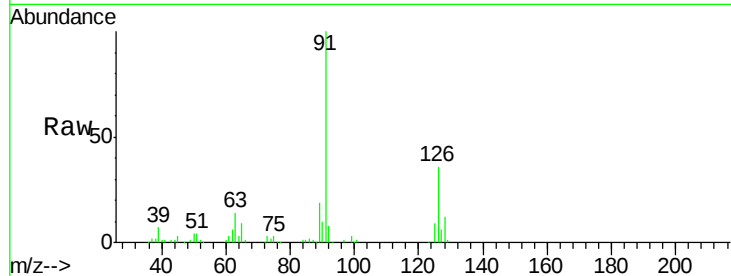
#79
2-Chlorotoluene
Concen: 17.989 ug/l
RT: 12.65 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion: 91 Resp: 118506
Ion Ratio Lower Upper
91 100
126 35.8 17.2 51.6

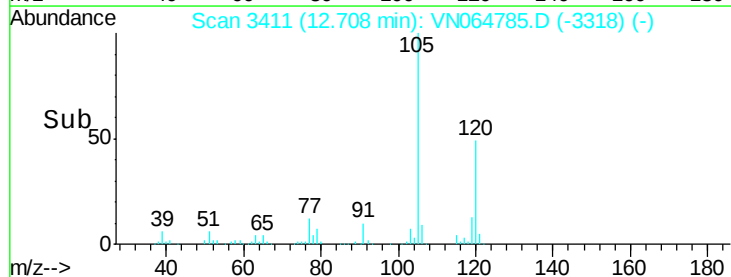
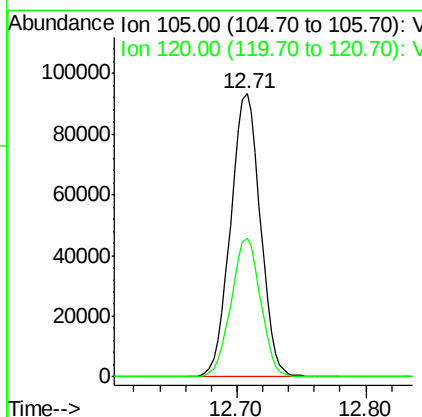
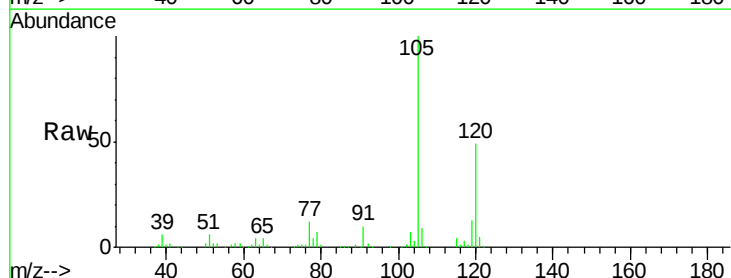
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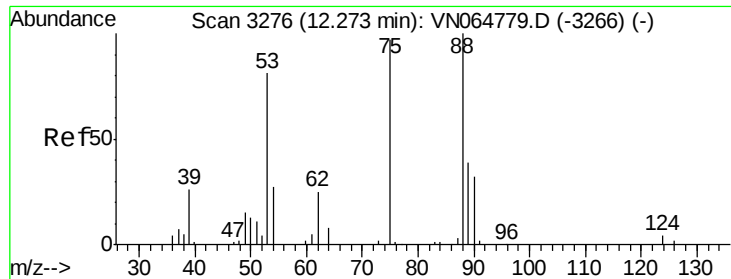
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#80
1,3,5-Trimethylbenzene
Concen: 19.233 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion: 105 Resp: 149555
Ion Ratio Lower Upper
105 100
120 48.5 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.236 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

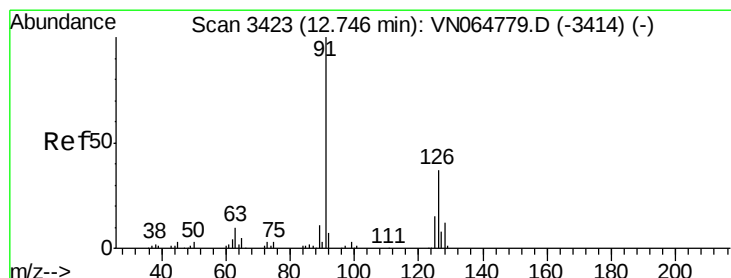
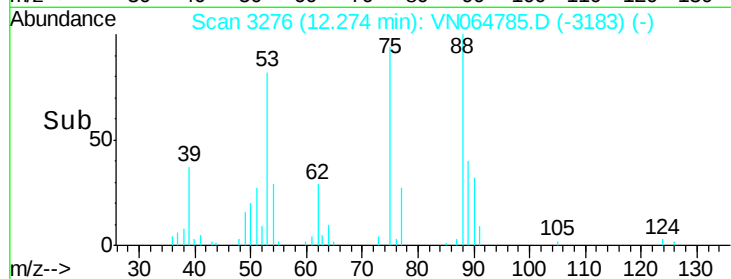
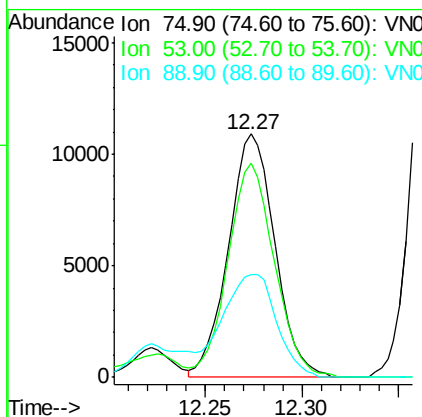
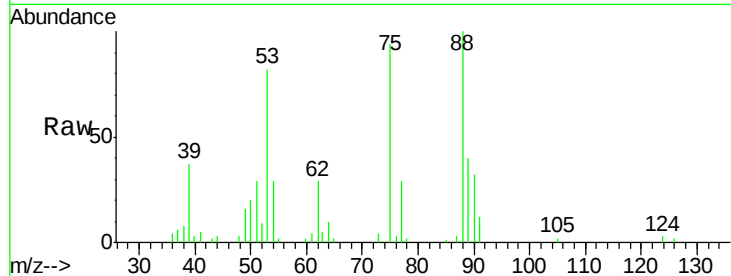
ClientSampleId :

VN1123WBS01

Tot Ion:	75	Resp:	18216
Ion	Ratio	Lower	Upper
75	100		
53	88.0	67.0	100.4
89	49.6	39.6	59.4

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#82

4-Chlorotoluene

Concen: 17.913 ug/l

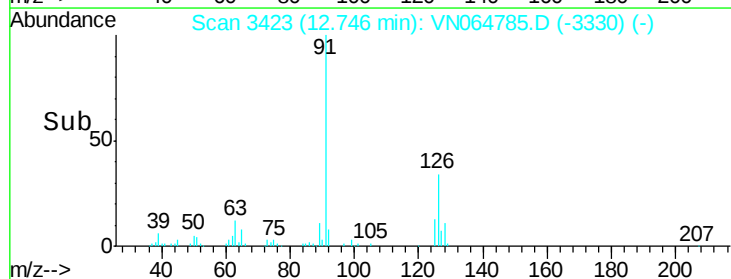
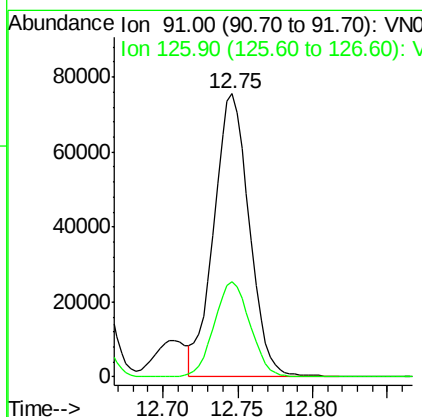
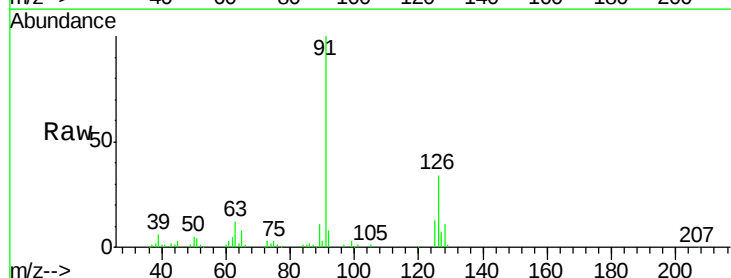
RT: 12.75 min Scan# 3423

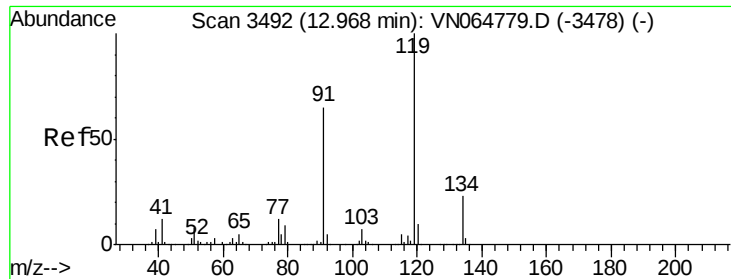
Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion:	91	Resp:	123694
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.7





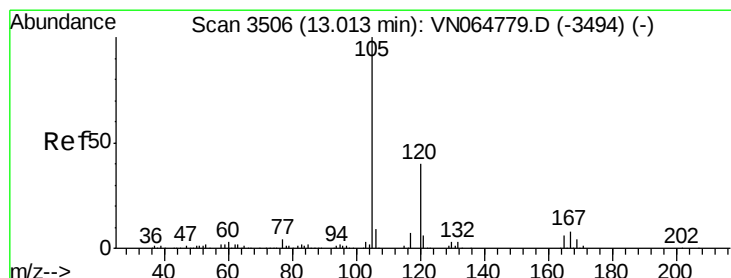
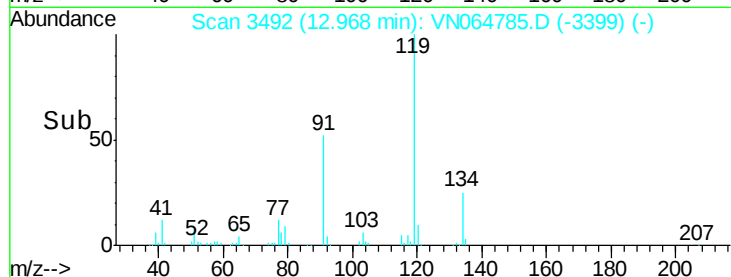
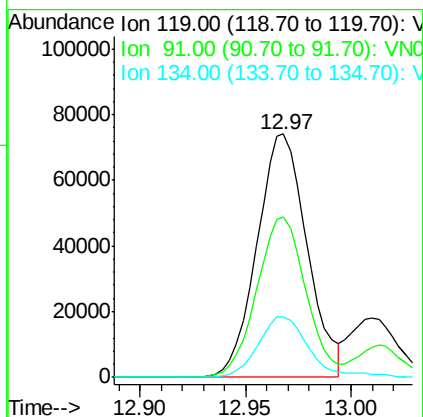
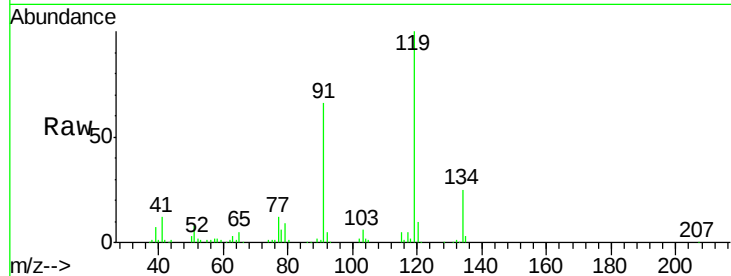
#83
 tert-Butylbenzene
 Concen: 18.797 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122513		
91	64.2	32.3	96.8	
134	25.3	12.6	37.6	

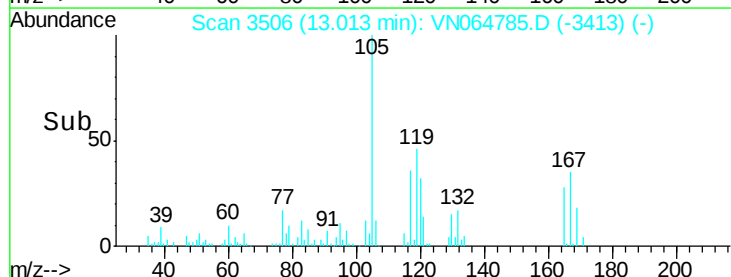
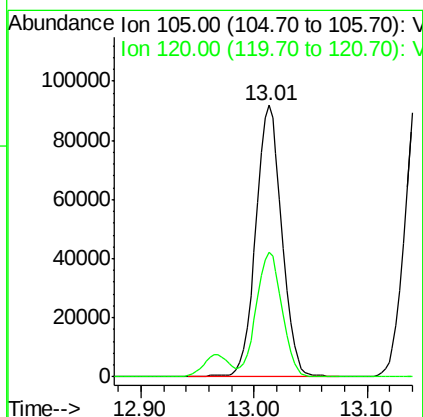
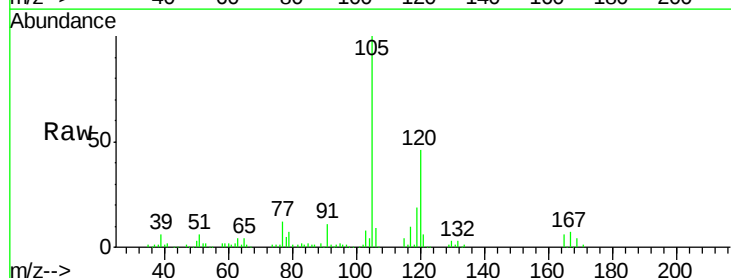
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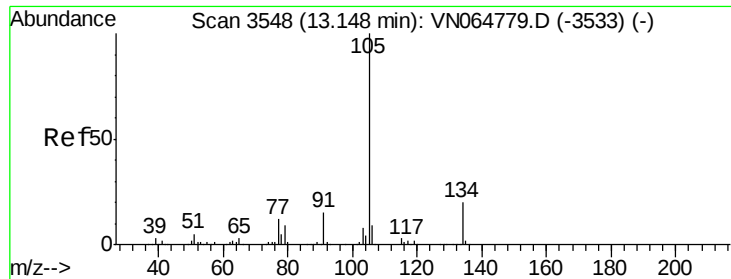
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.683 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146891		
120	45.8	23.1	69.2	





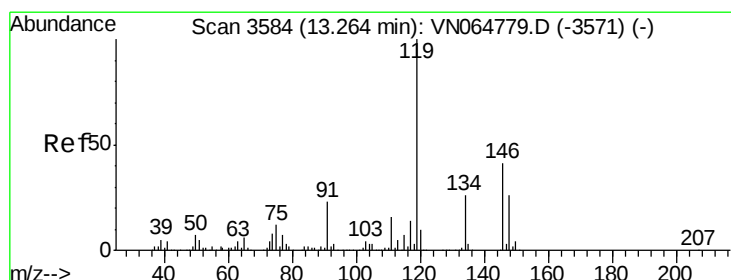
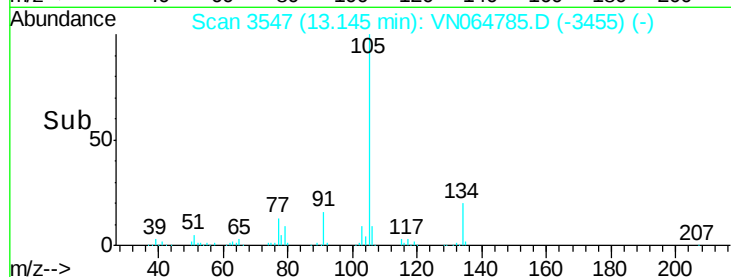
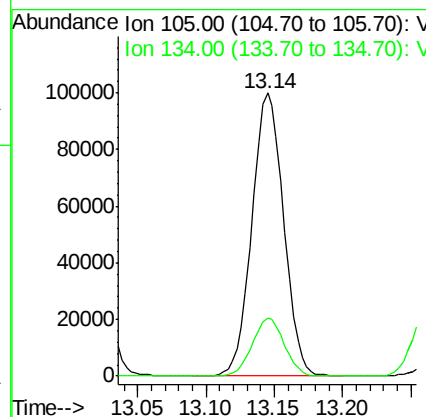
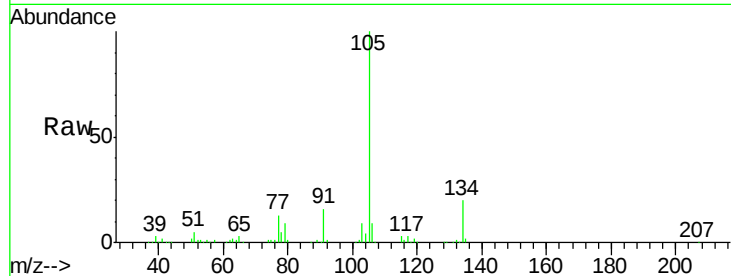
#85
 sec-Butylbenzene
 Concen: 18.631 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.1

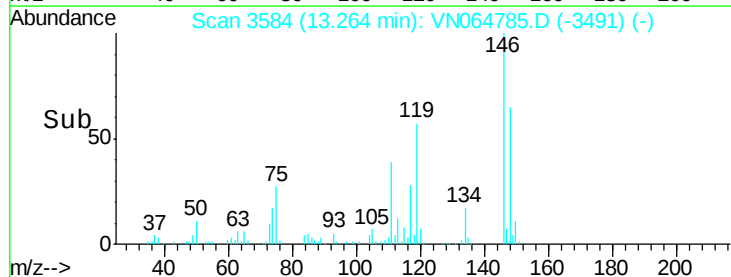
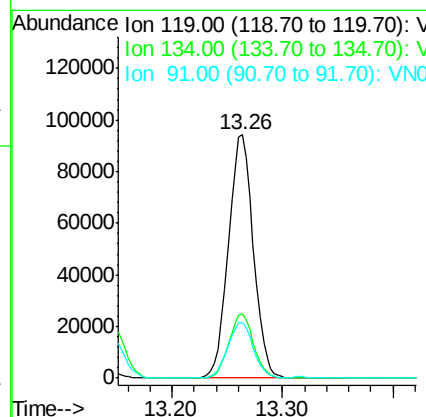
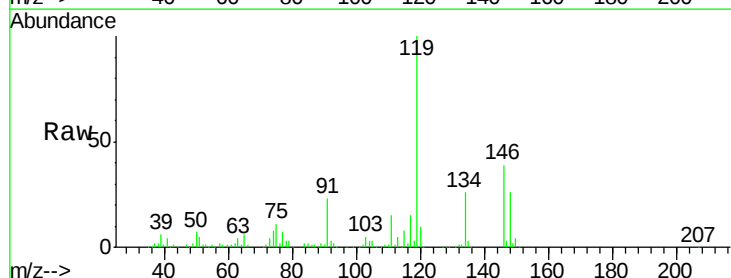
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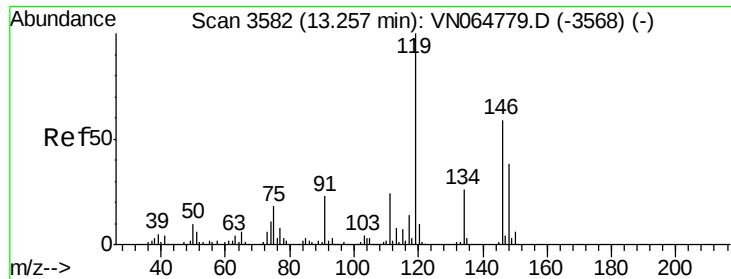
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#86
 p-Isopropyltoluene
 Concen: 18.756 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.4	11.5	34.5





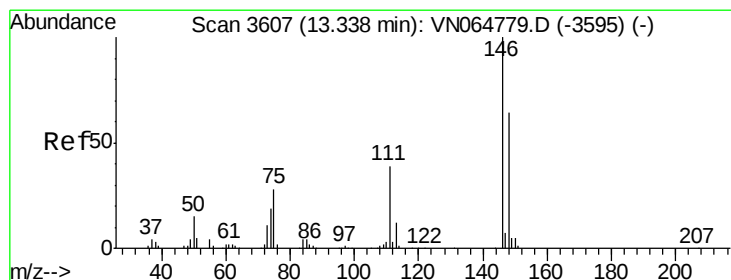
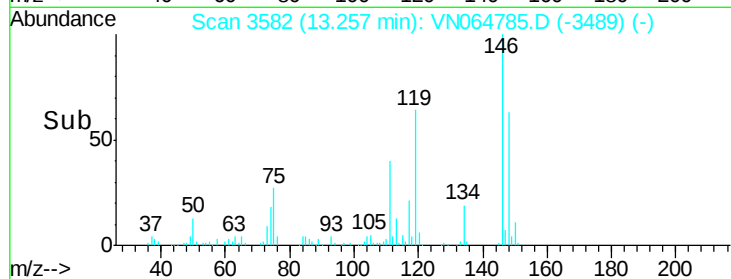
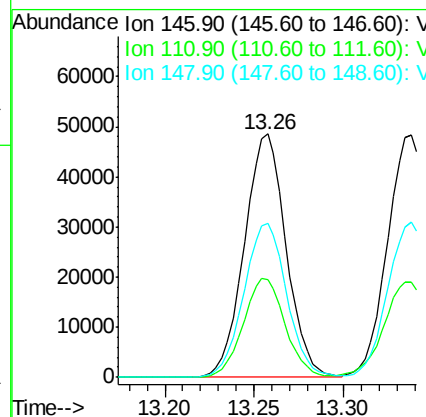
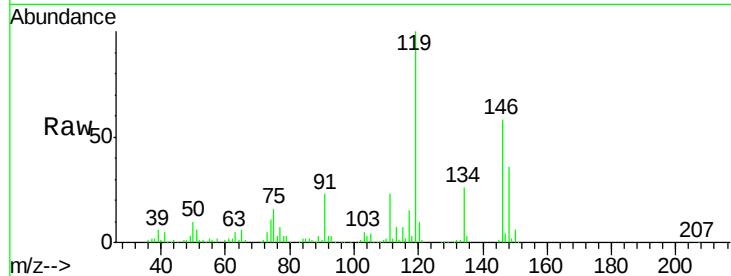
#87
 1,3-Dichlorobenzene
 Concen: 17.664 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.9
148	65.0	31.9	95.5

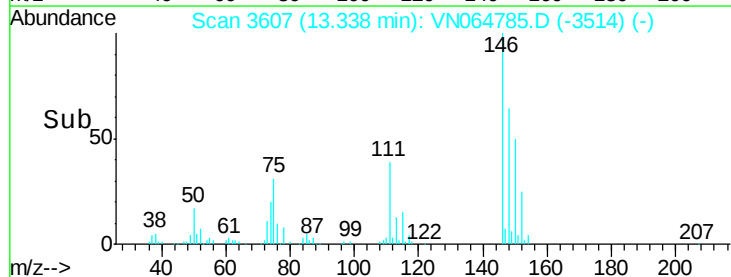
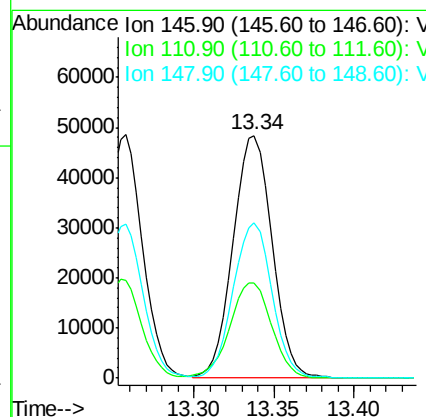
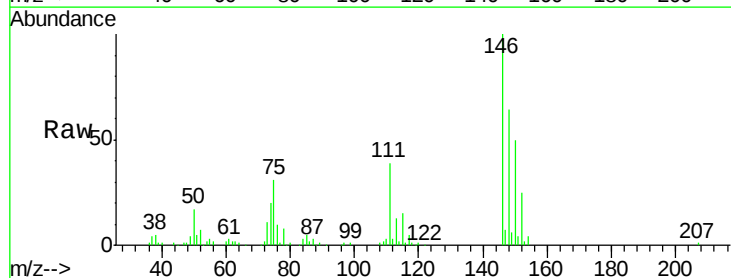
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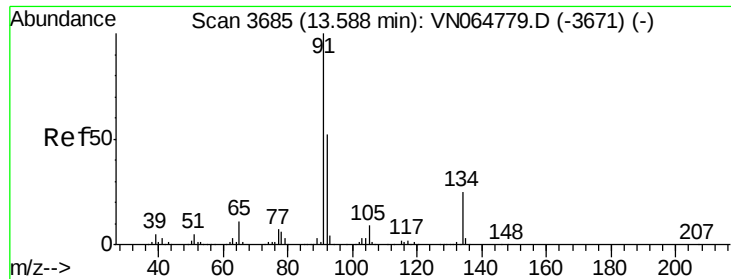
MMDadoda
 11/24/2020 3:01:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.017 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.8	59.3
148	63.8	31.9	95.5





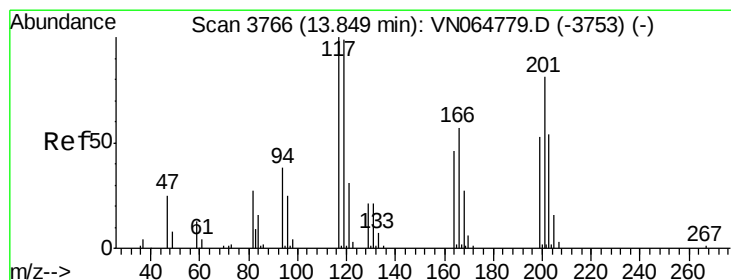
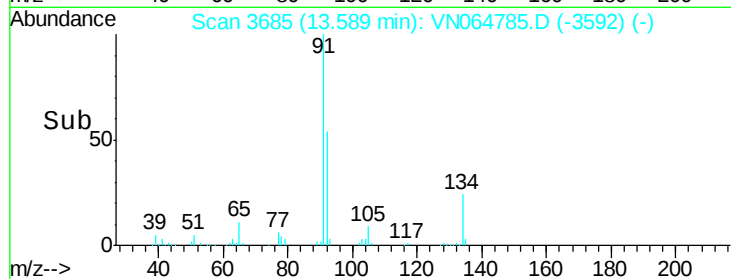
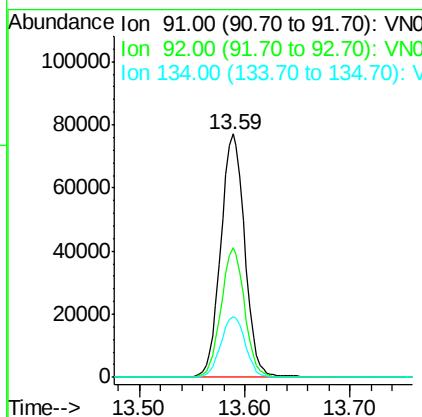
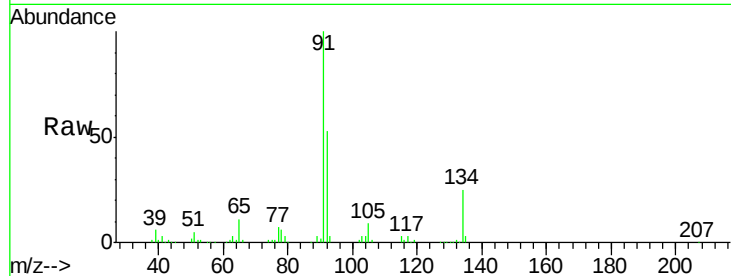
#89
n-Butylbenzene
Concen: 17.570 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	25.3	12.9	38.6

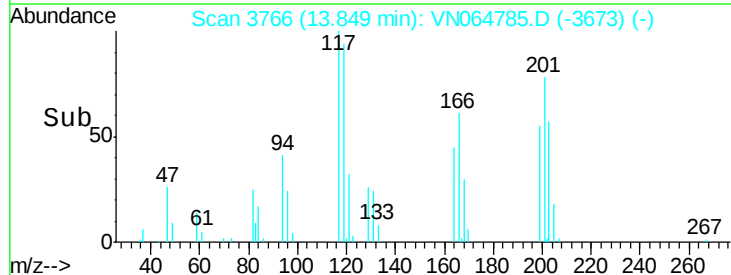
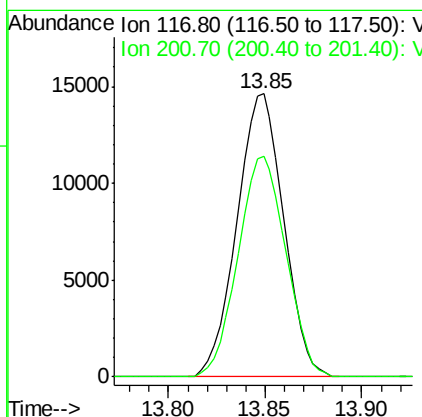
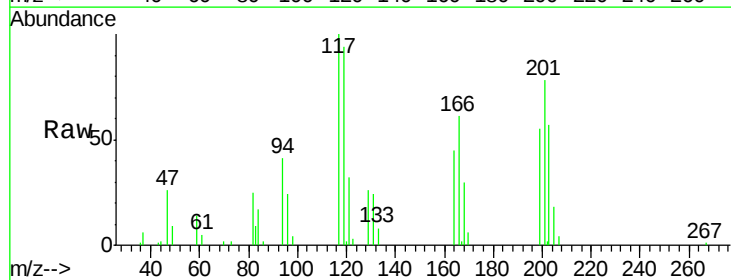
Manual Integrations
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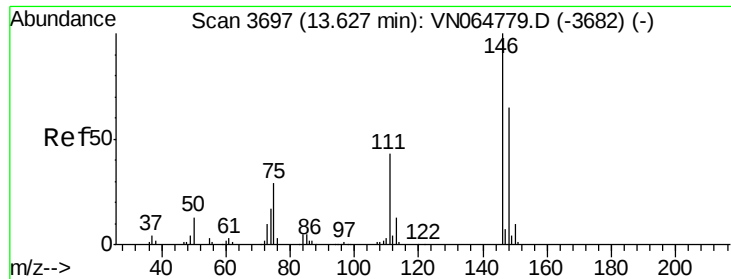
MMDadoda
11/24/2020 3:01:30 PM



#90
Hexachloroethane
Concen: 17.942 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064785.D
Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	40.1	120.3





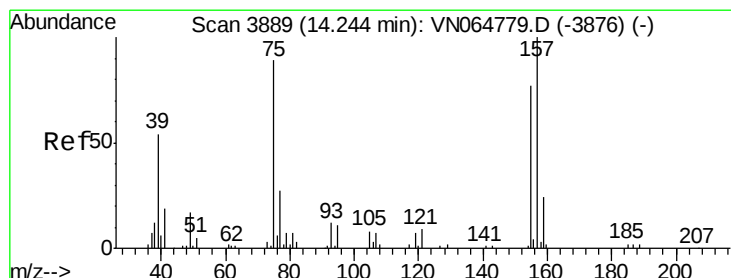
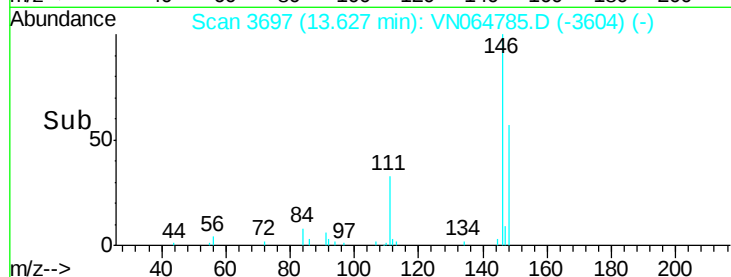
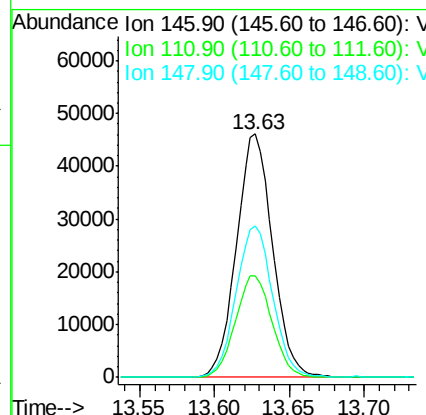
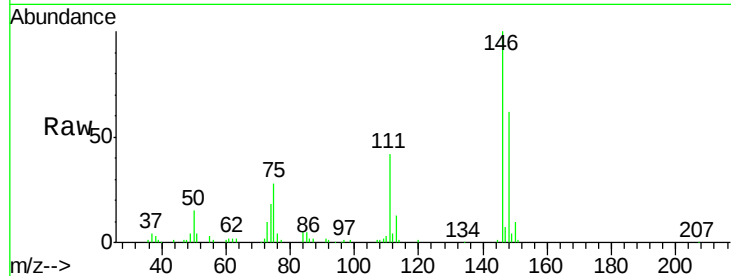
#91
 1,2-Dichlorobenzene
 Concen: 17.645 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.2	32.0	96.2

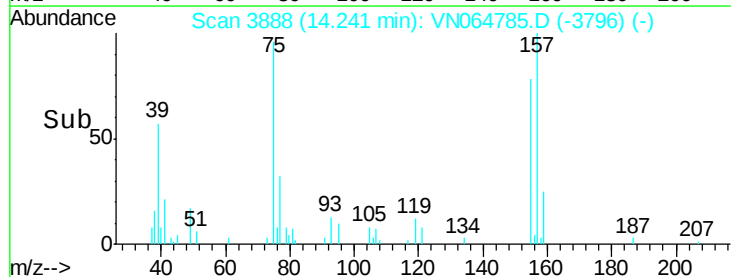
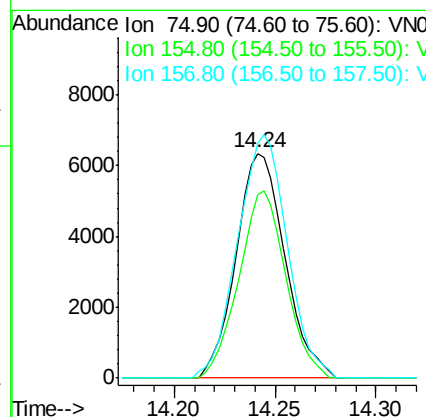
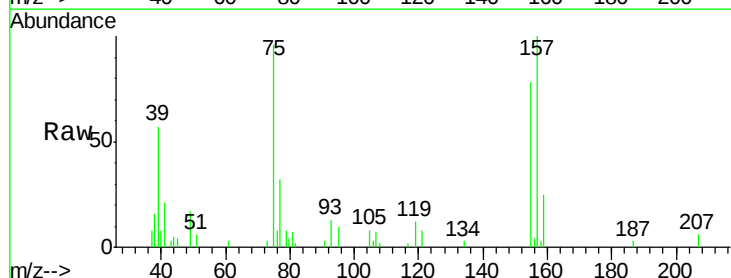
Manual Integrations
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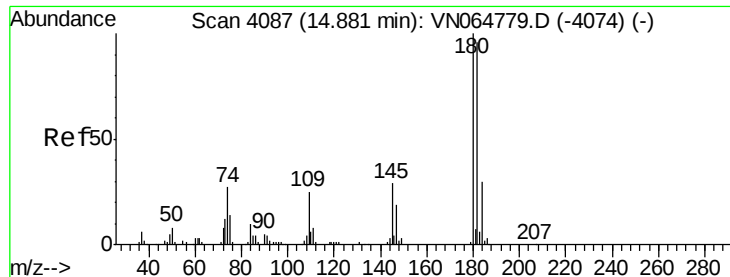
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.448 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	42.8	128.3
157	110.2	56.4	169.1





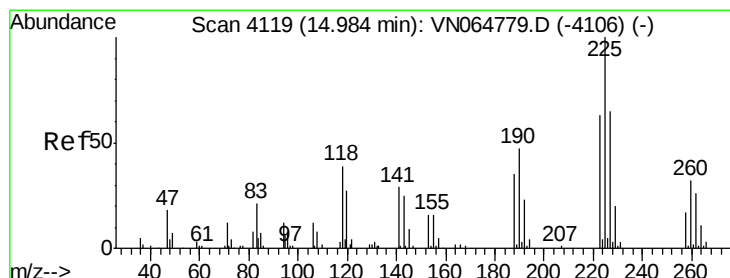
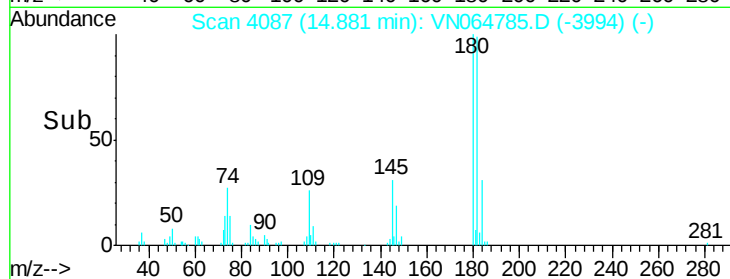
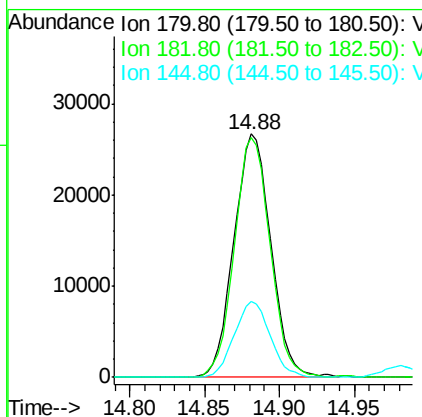
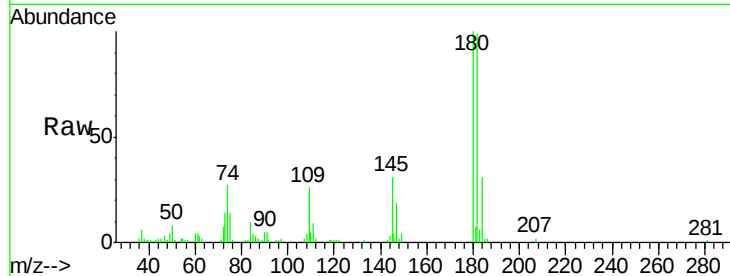
#93
 1,2,4-Trichlorobenzene
 Concen: 16.878 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45939		
182	95.2		47.6	142.9
145	30.2		15.3	45.8

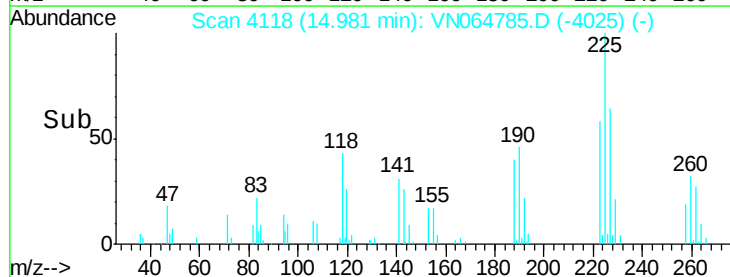
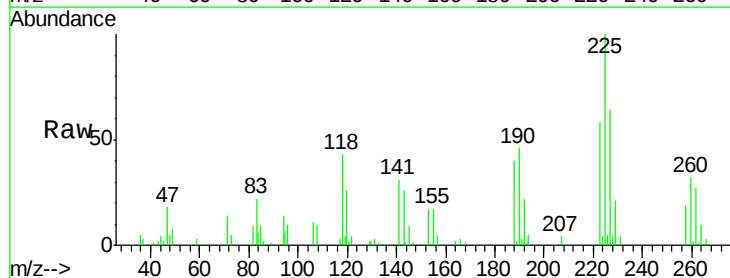
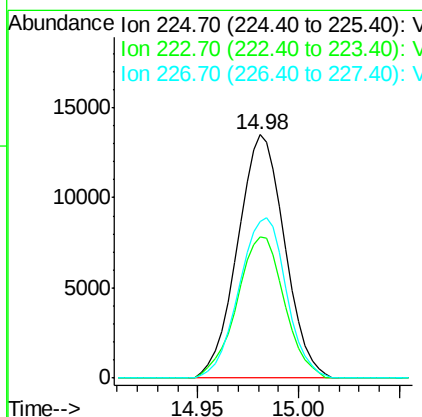
Manual Integrations
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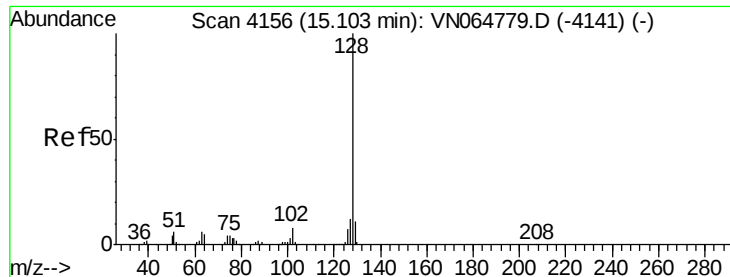
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 11/24/2020 3:01:30 PM



#94
 Hexachlorobutadiene
 Concen: 18.264 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064785.D
 Acq: 23 Nov 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22094		
223	58.4		31.0	93.0
227	66.0		32.0	96.0





#95

Naphthalene

Concen: 16.539 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Instrument :

MSVOA_N

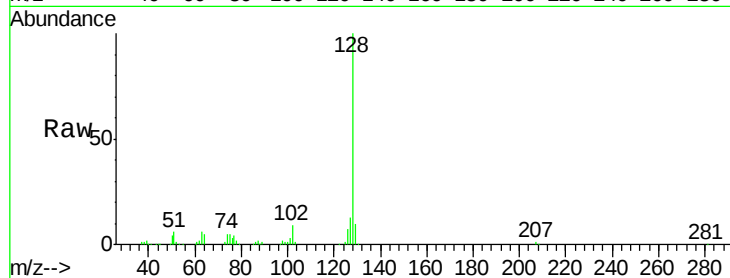
ClientSampleId :

VN1123WBS01

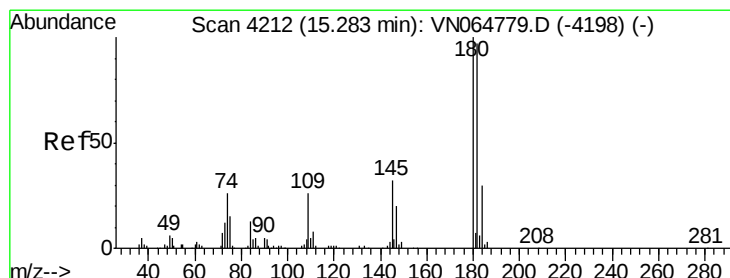
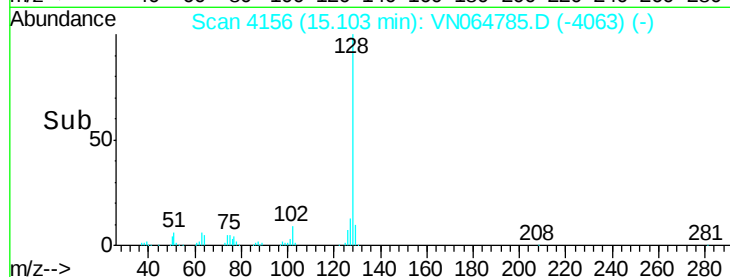
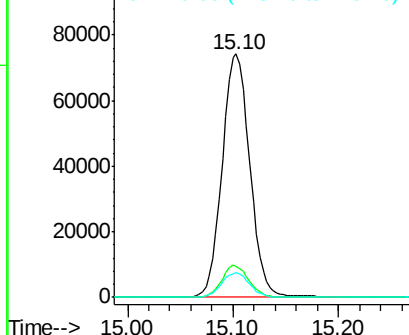
Tot Ion:	128	Resp:	134864
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.2	8.7	13.1

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.400 ug/l

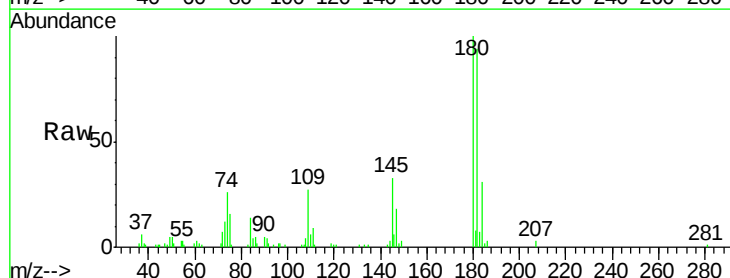
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064785.D

Acq: 23 Nov 2020 15:54

Tgt Ion:	180	Resp:	45252
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.1	144.4
145	32.7	16.4	49.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

