

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064783.D
 Acq On : 23 Nov 2020 14:20
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:28 PM

Quant Time: Nov 24 03:38:55 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	7.63	168	205822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	312186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	112466	47.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.00%
35) Dibromofluoromethane	7.55	113	91489	48.98	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.96%
50) Toluene-d8	10.06	98	378203	49.55	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.10%
62) 4-Bromofluorobenzene	12.38	95	138173	50.58	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85695	48.041	ug/l	99
3) Chloromethane	2.04	50	108254	46.700	ug/l	98
4) Vinyl Chloride	2.16	62	115087	47.621	ug/l	97
5) Bromomethane	2.53	94	77612	48.948	ug/l	97
6) Chloroethane	2.67	64	70793	47.360	ug/l	97
7) Trichlorofluoromethane	2.98	101	158514	47.449	ug/l	96
8) Diethyl Ether	3.37	74	63484	48.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	98764	49.282	ug/l	99
10) Methyl Iodide	3.90	142	128229	49.330	ug/l	98
11) Tert butyl alcohol	4.75	59	94743	253.890	ug/l	99
12) 1,1-Dichloroethene	3.69	96	94881	47.539	ug/l	96
13) Acrolein	3.56	56	58236	255.493	ug/l	97
14) Allyl chloride	4.27	41	158670	48.201	ug/l	99
15) Acrylonitrile	4.94	53	261880	254.036	ug/l	100
16) Acetone	3.78	43	179086	227.675	ug/l	97
17) Carbon Disulfide	4.00	76	252894	49.075	ug/l	99
18) Methyl Acetate	4.28	43	118362	50.049	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	330140	51.575	ug/l	99
20) Methylene Chloride	4.50	84	113627	46.100	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	106195	47.913	ug/l	97
22) Diisopropyl ether	5.91	45	334107	50.708	ug/l	99
23) Vinyl Acetate	5.85	43	1385772	263.006	ug/l	99
24) 1,1-Dichloroethane	5.80	63	193700	49.191	ug/l	99
25) 2-Butanone	6.79	43	324898	254.803	ug/l	99
26) 2,2-Dichloropropane	6.78	77	170429	49.903	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	122109	48.961	ug/l	99
28) Bromochloromethane	7.15	49	85511	47.469	ug/l	97
29) Tetrahydrofuran	7.17	42	224712	255.300	ug/l	99
30) Chloroform	7.33	83	199114	49.034	ug/l	100
31) Cyclohexane	7.61	56	161717	48.491	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	172634	49.498	ug/l	99
36) 1,1-Dichloropropene	7.75	75	149446	51.646	ug/l	100
37) Ethyl Acetate	6.88	43	142321	51.059	ug/l	99
38) Carbon Tetrachloride	7.73	117	155829	51.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	163698	52.551	ug/l	99
40) Benzene	8.00	78	449196	50.658	ug/l	98
41) Methacrylonitrile	7.12	41	55990	43.533	ug/l	96
42) 1,2-Dichloroethane	8.09	62	148422	49.618	ug/l	100
43) Isopropyl Acetate	8.13	43	234548	52.294	ug/l #	92
44) Trichloroethene	8.80	130	129806	49.615	ug/l	100
45) 1,2-Dichloropropane	9.08	63	119675	52.116	ug/l	97
46) Dibromomethane	9.17	93	78927	51.449	ug/l	98
47) Bromodichloromethane	9.37	83	158242	51.265	ug/l	100
48) Methyl methacrylate	9.17	41	113690	53.047	ug/l	98
49) 1,4-Dioxane	9.17	88	43354	1070.289	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	715106	265.574	ug/l	99
52) Toluene	10.13	92	283957	52.000	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	179335	52.162	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	194922	52.894	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	110654	49.278	ug/l	98
56) Ethyl methacrylate	10.40	69	168878	54.499	ug/l	99
57) 1,3-Dichloropropane	10.68	76	187921	50.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	461927	271.001	ug/l	100
59) 2-Hexanone	10.72	43	520858	268.777	ug/l	100
60) Dibromochloromethane	10.87	129	127908	51.244	ug/l	99
61) 1,2-Dibromoethane	10.98	107	119682	52.460	ug/l	99
64) Tetrachloroethene	10.60	164	134184	48.520	ug/l	97
65) Chlorobenzene	11.41	112	311698	51.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	116432	51.900	ug/l	99
67) Ethyl Benzene	11.48	91	541253	53.076	ug/l	99
68) m/p-Xylenes	11.60	106	421053	109.054	ug/l	100
69) o-Xylene	11.92	106	200420	54.702	ug/l	99
70) Styrene	11.94	104	340302	55.019	ug/l	99
71) Bromoform	12.10	173	91880	51.278	ug/l #	100
73) Isopropylbenzene	12.22	105	527980	52.779	ug/l	99
74) N-amyl acetate	12.05	43	209249	53.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	147360	50.258	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	156251m	50.448	ug/l	
77) Bromobenzene	12.50	156	132755	49.224	ug/l	97
78) n-propylbenzene	12.57	91	610432	53.565	ug/l	99
79) 2-Chlorotoluene	12.65	91	357216	50.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	449280	54.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	58891	52.113	ug/l #	86
82) 4-Chlorotoluene	12.75	91	385385	52.193	ug/l	100
83) tert-Butylbenzene	12.97	119	375258	53.842	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	456178	54.262	ug/l	100
85) sec-Butylbenzene	13.14	105	496884	53.696	ug/l	100
86) p-Isopropyltoluene	13.26	119	473095	56.155	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	242976	50.709	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	245563	48.460	ug/l	99
89) n-Butylbenzene	13.59	91	400425	54.122	ug/l	99
90) Hexachloroethane	13.85	117	78541	53.664	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	234822	49.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31895	48.345	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	148227	50.929	ug/l	100
94) Hexachlorobutadiene	14.98	225	68341	52.128	ug/l	100
95) Naphthalene	15.10	128	448288	51.413	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	140877	50.909	ug/l	99

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

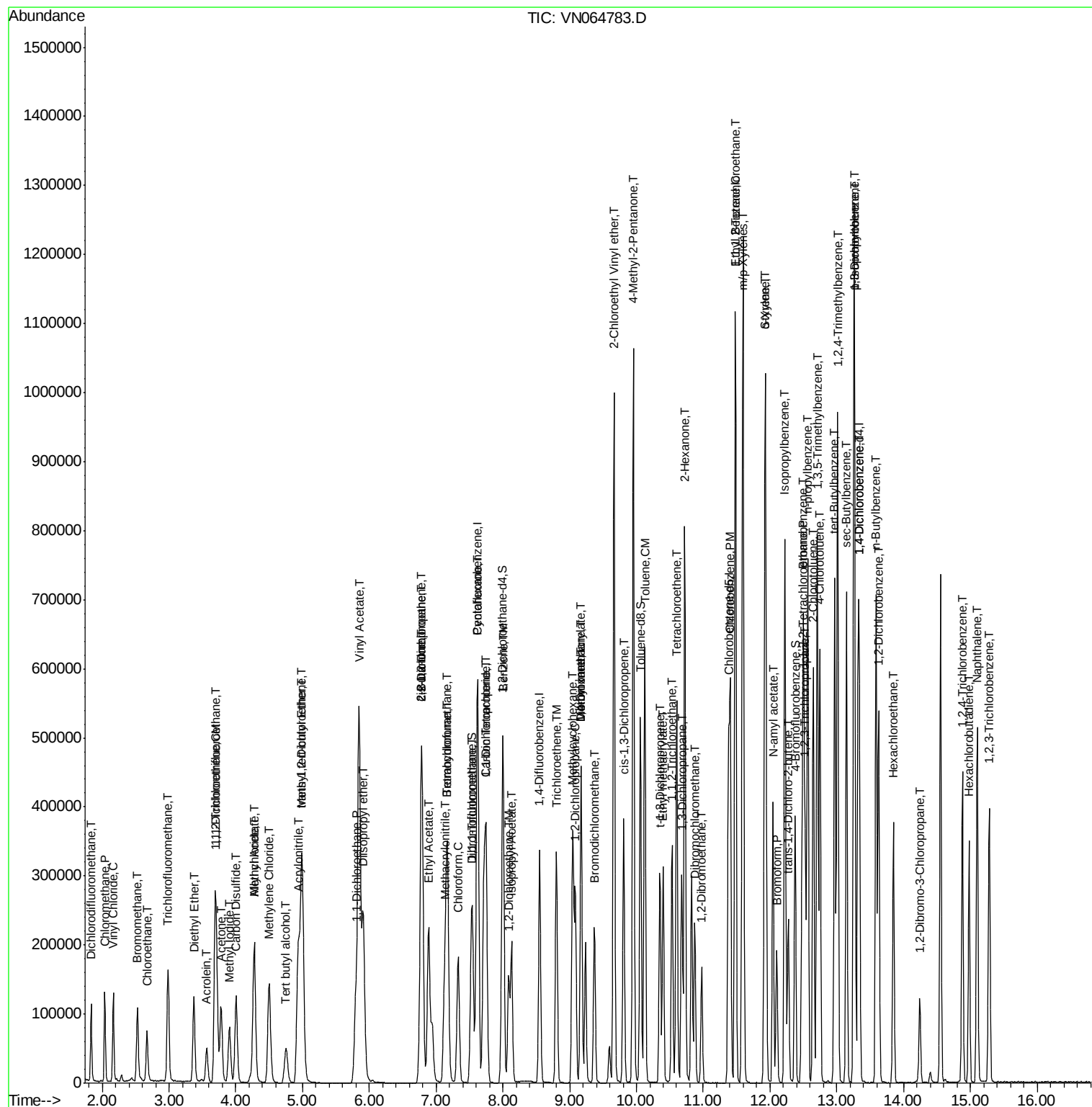
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
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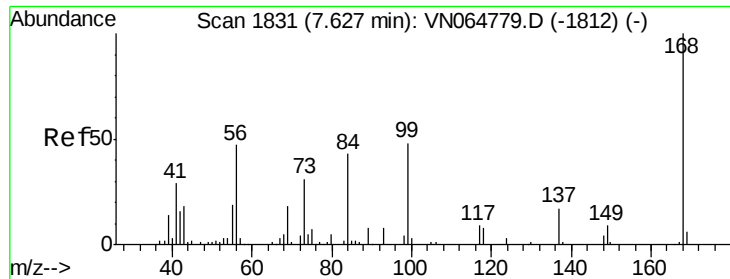
Instrument :
MSVOA_N
Client Sampled :
ICVVN112320

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion:168 Resp: 205822

Ion Ratio Lower Upper

168 100

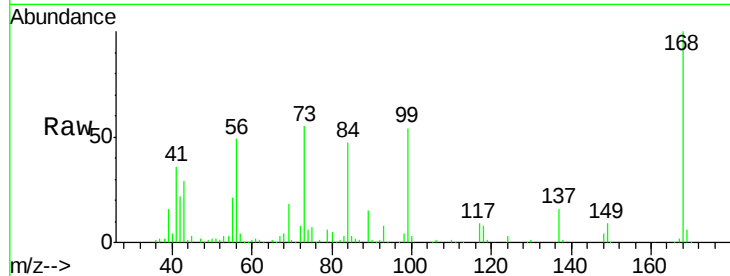
99 53.4 43.0 64.4

Manual Integrations

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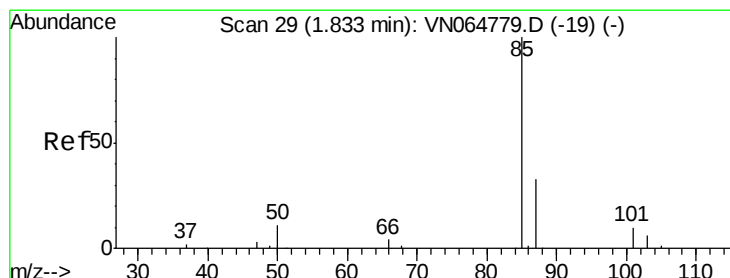
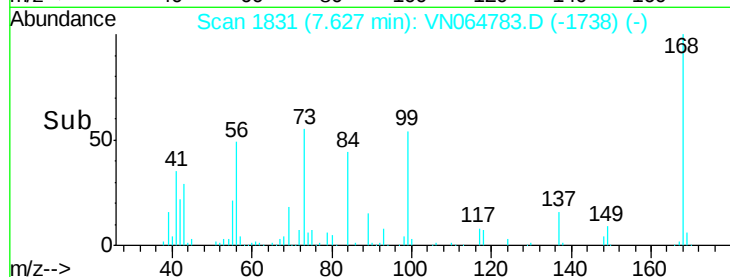
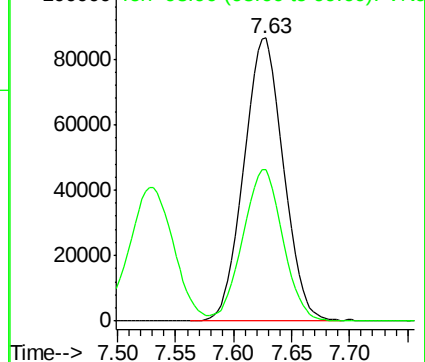
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.041 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064783.D

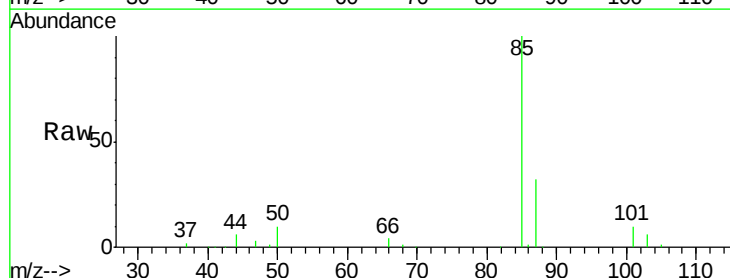
Acq: 23 Nov 2020 14:20

Tgt Ion: 85 Resp: 85695

Ion Ratio Lower Upper

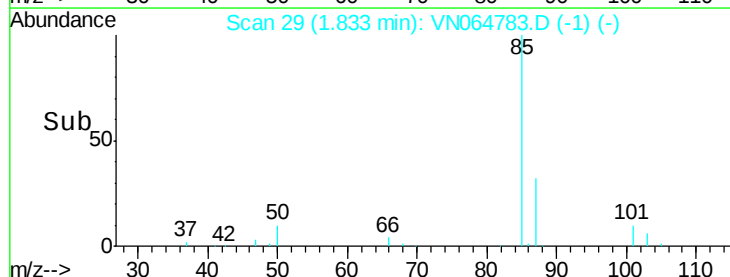
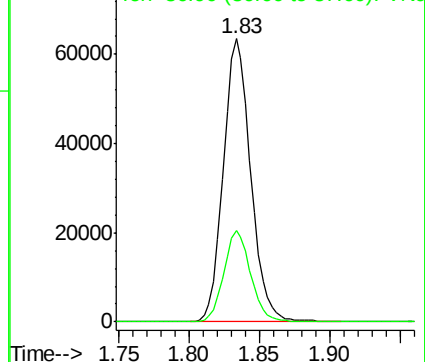
85 100

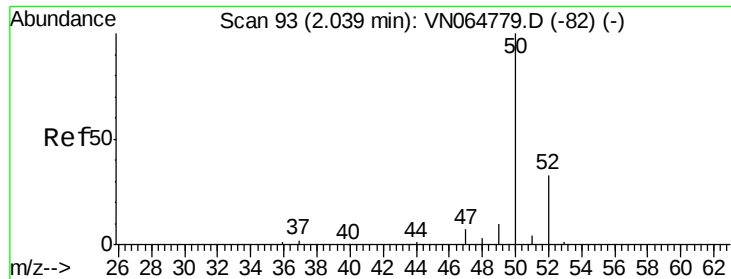
87 32.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.700 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112320

Tot Ion: 50 Resp: 108254

Ion Ratio Lower Upper

50 100

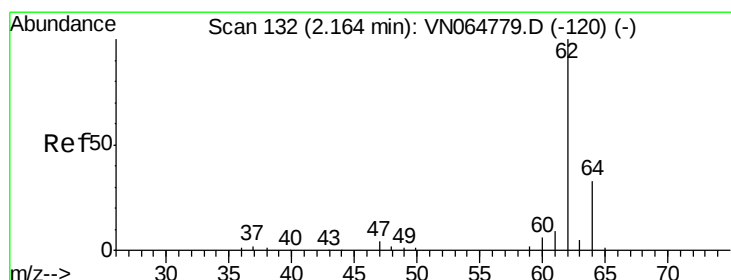
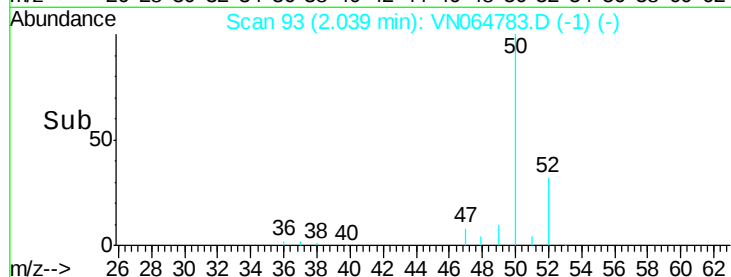
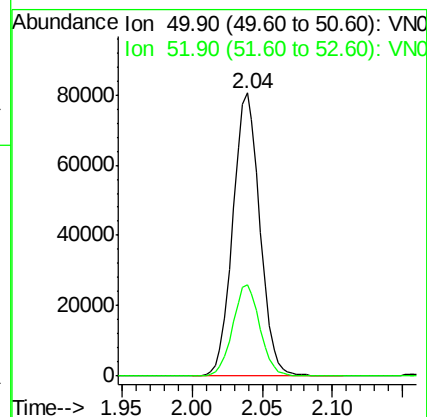
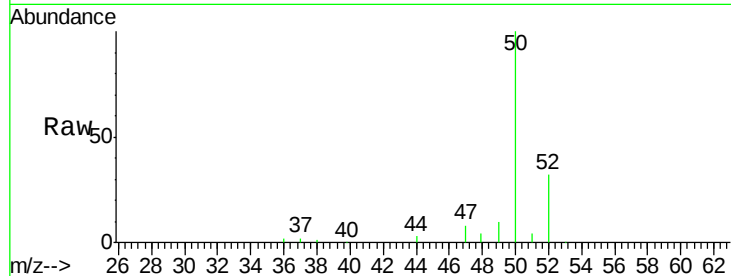
52 32.3 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.621 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064783.D

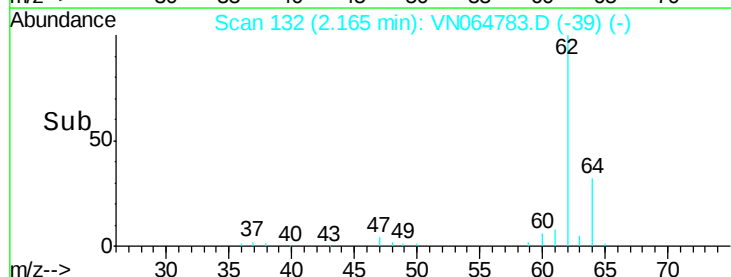
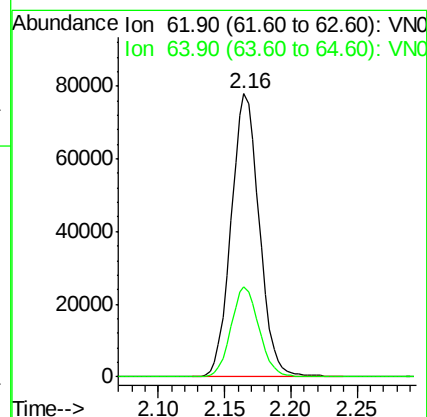
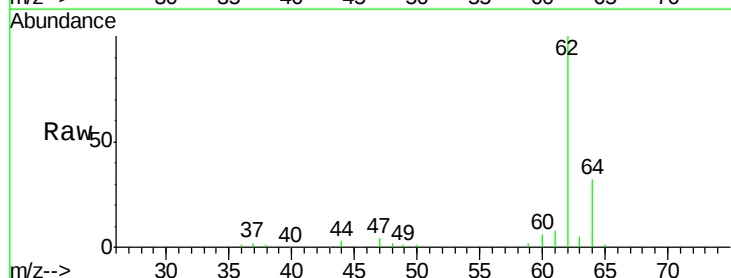
Acq: 23 Nov 2020 14:20

Tgt Ion: 62 Resp: 115087

Ion Ratio Lower Upper

62 100

64 31.7 26.5 39.7





#5

Bromomethane

Concen: 48.948 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 94 Resp: 77612

Ion Ratio Lower Upper

94 100

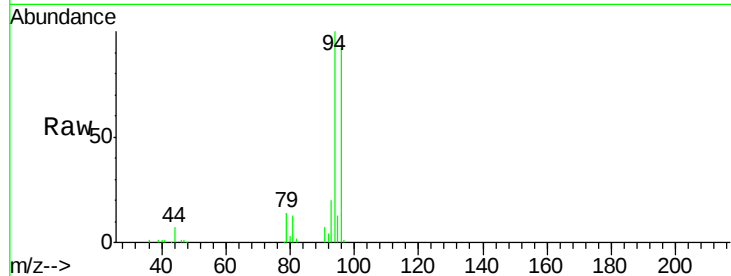
96 91.5 75.4 113.0

Manual Integrations

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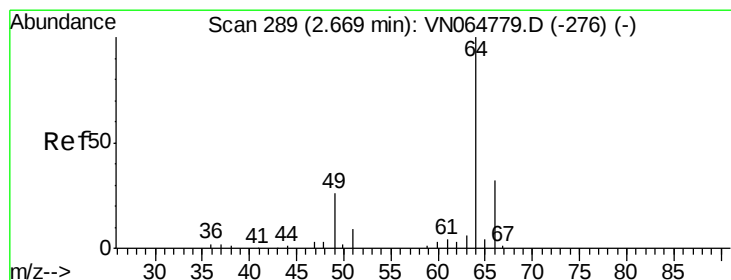
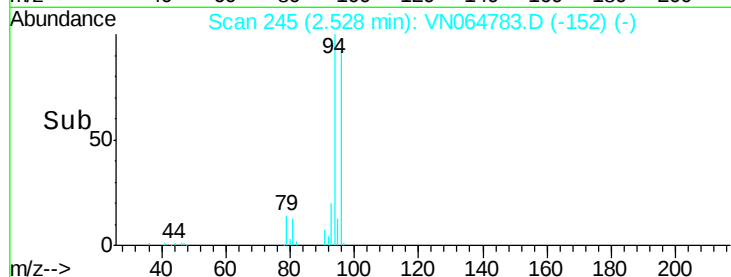
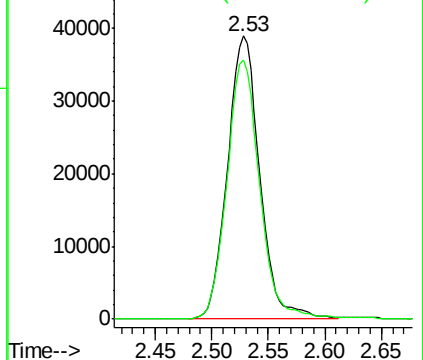
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.360 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064783.D

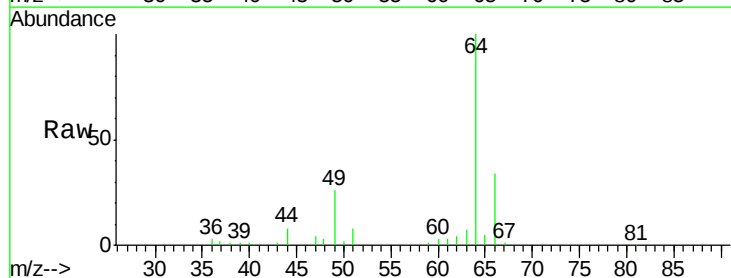
Acq: 23 Nov 2020 14:20

Tgt Ion: 64 Resp: 70793

Ion Ratio Lower Upper

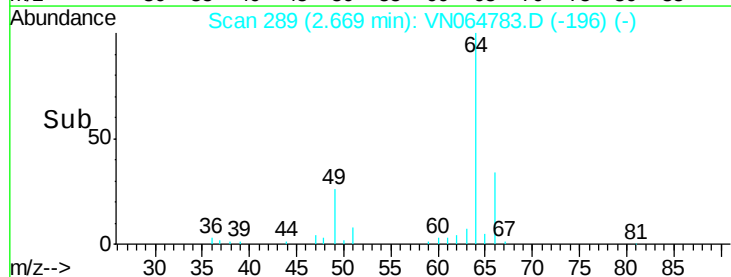
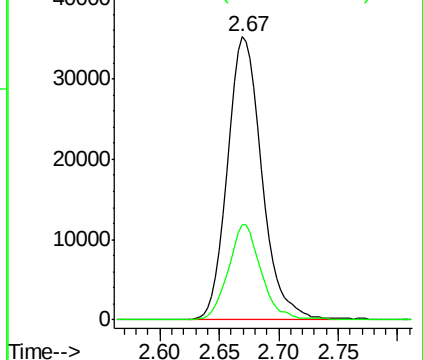
64 100

66 33.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

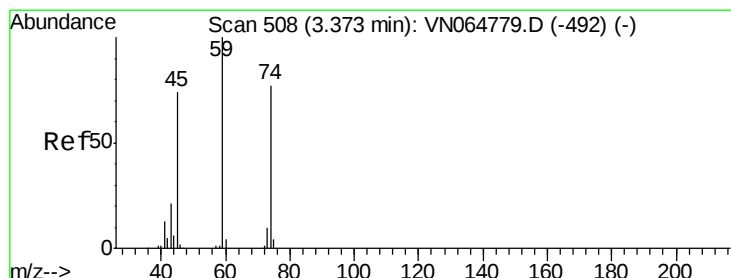
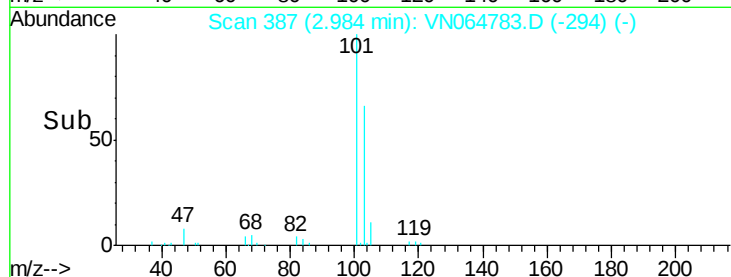
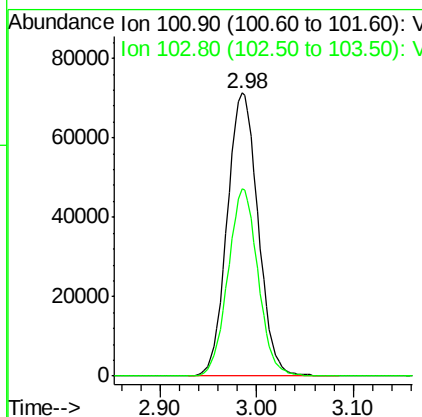
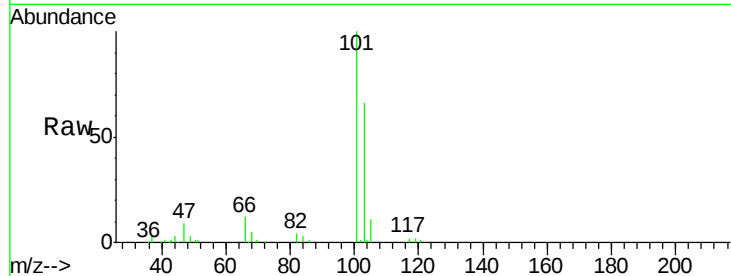
Trichlorofluoromethane
Concen: 47.449 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	158514		
103	66.1	50.5	75.7	

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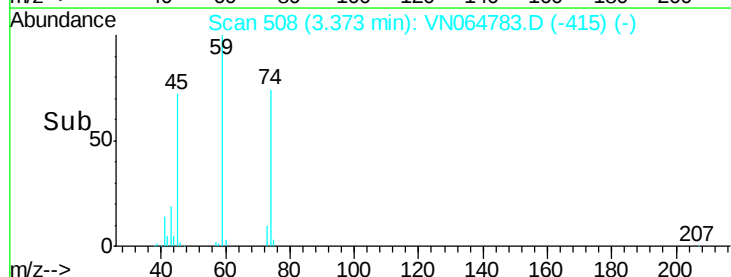
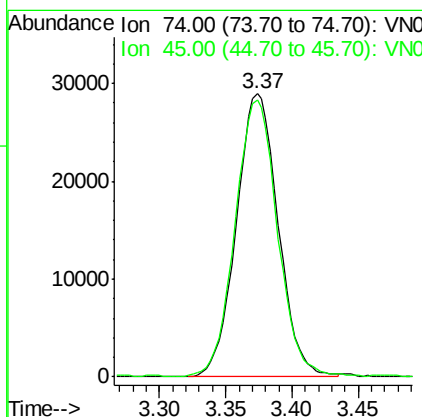
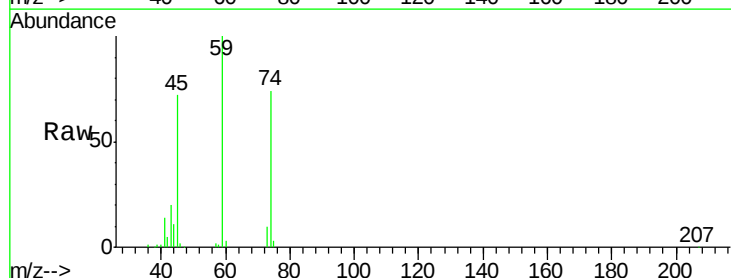
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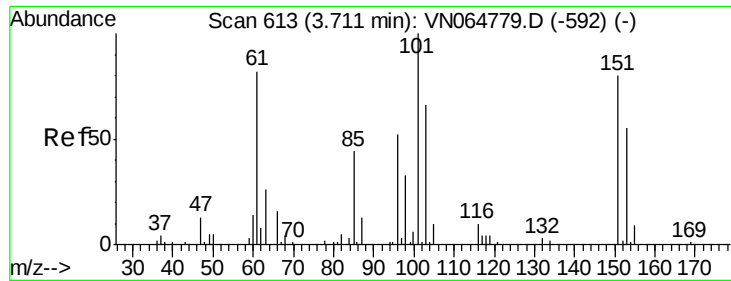


#8

Diethyl Ether
Concen: 48.143 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	63484		
45	99.6	48.9	146.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.282 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

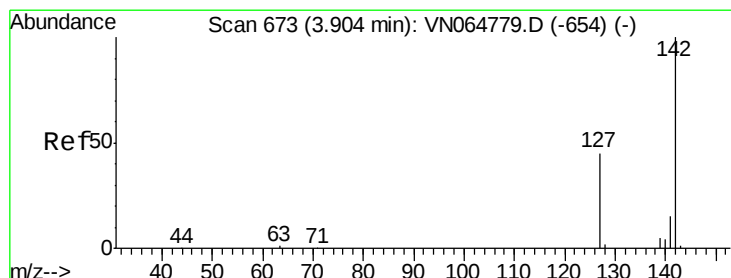
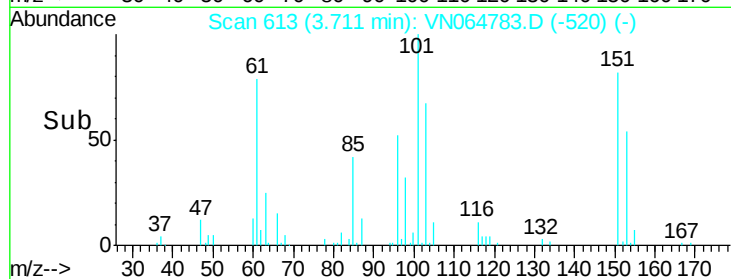
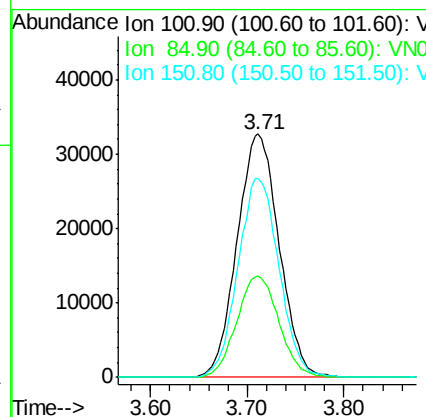
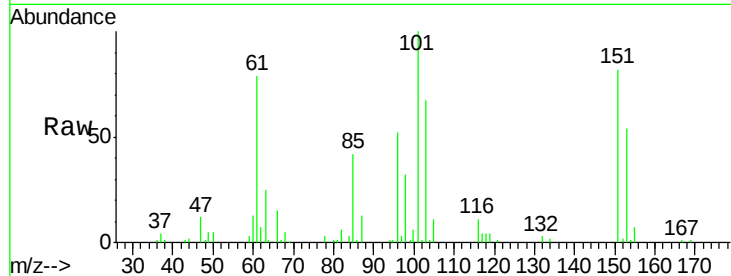
ClientSampleId :

ICVVN112320

Tot Ion:	101	Resp:	98764
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.4	51.6
151	80.1	64.0	96.0

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#10

Methyl Iodide

Concen: 49.330 ug/l

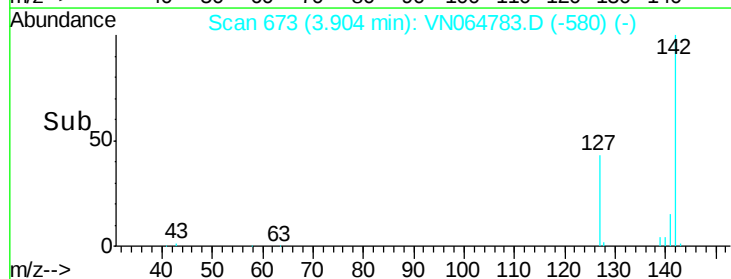
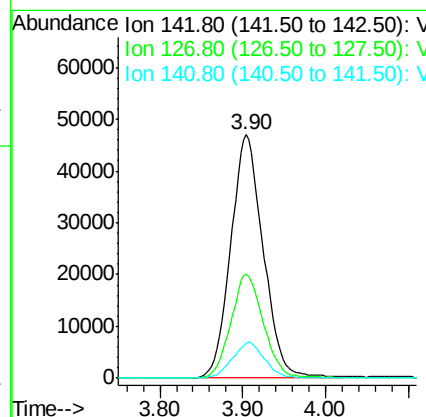
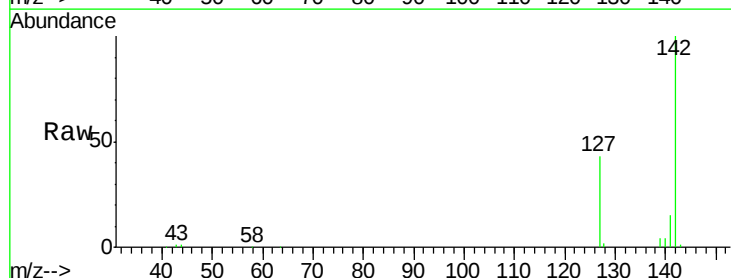
RT: 3.90 min Scan# 673

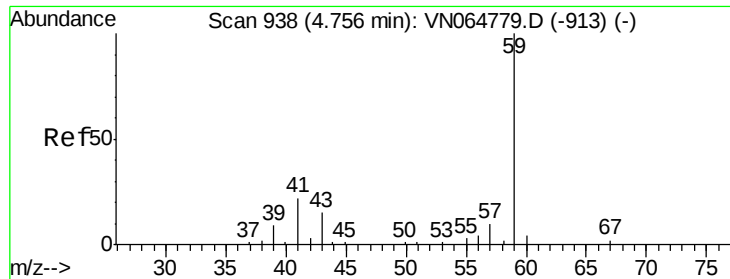
Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	142	Resp:	128229
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.6
141	14.5	11.8	17.6





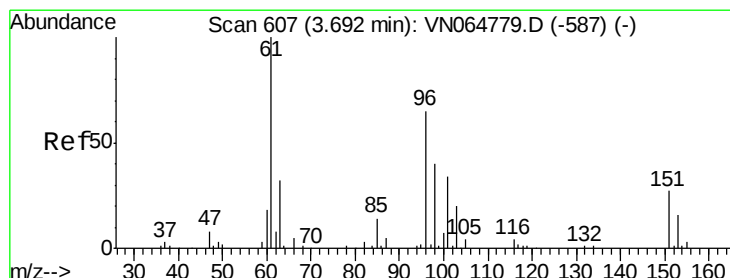
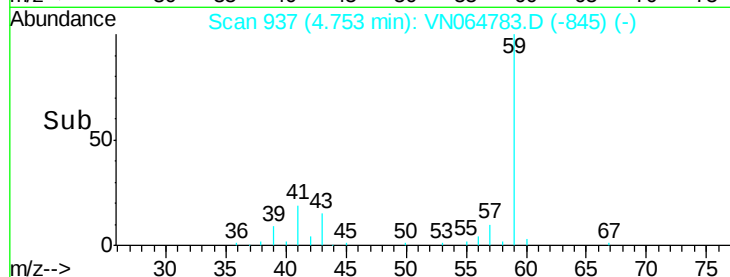
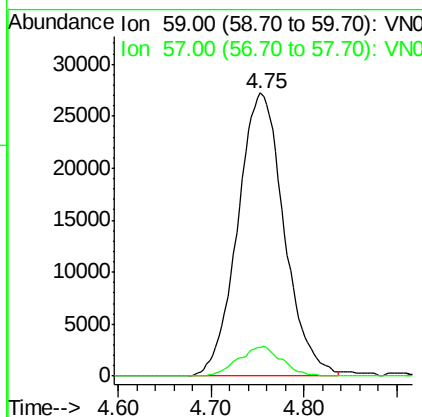
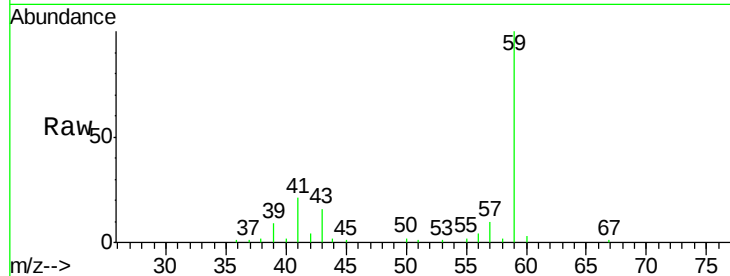
#11
Tert butyl alcohol
Concen: 253.890 ug/l
RT: 4.75 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion: 59 Resp: 94743
Ion Ratio Lower Upper
59 100
57 9.7 7.9 11.9

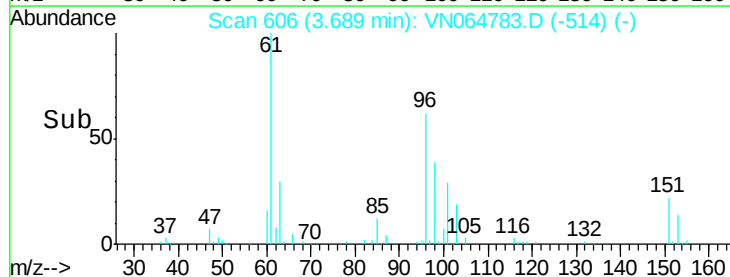
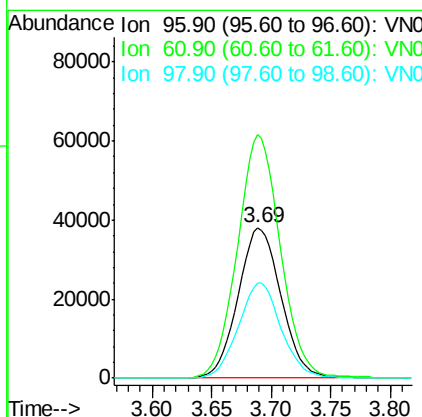
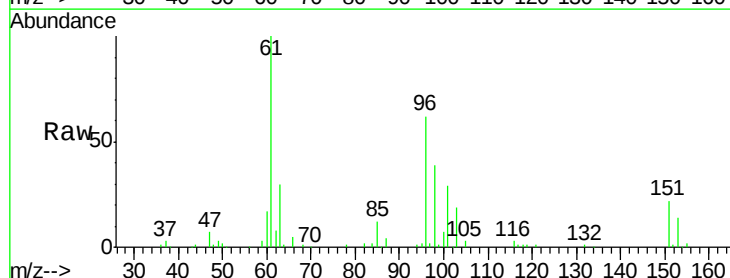
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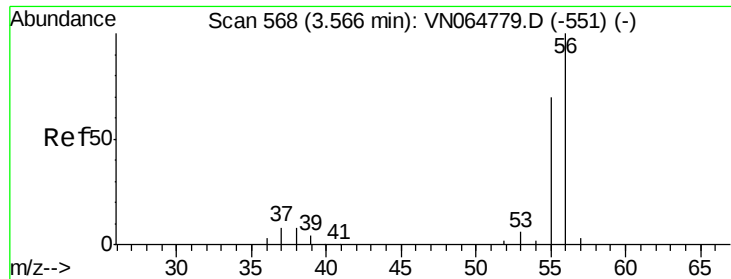
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.539 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion: 96 Resp: 94881
Ion Ratio Lower Upper
96 100
61 161.8 123.4 185.2
98 63.1 49.8 74.8





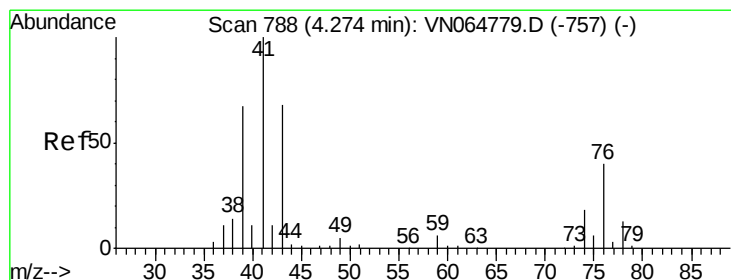
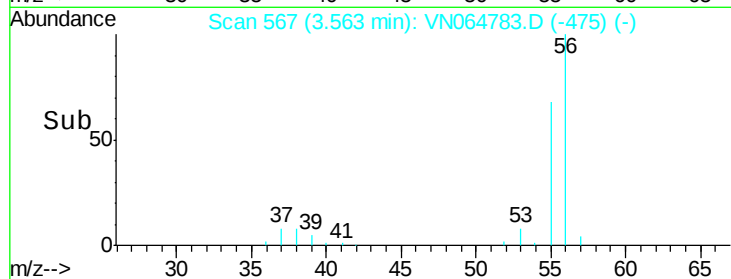
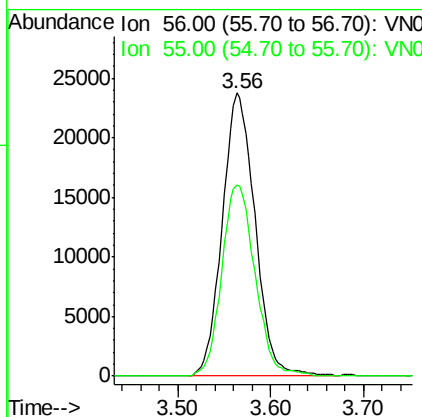
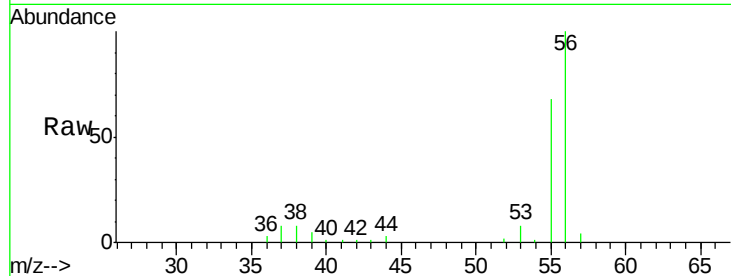
#13
Acrolein
Concen: 255.493 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	68.5	56.5	84.7

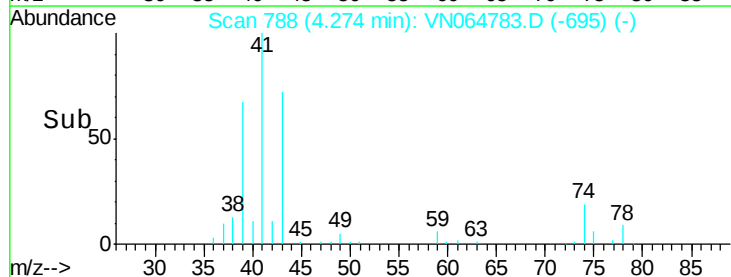
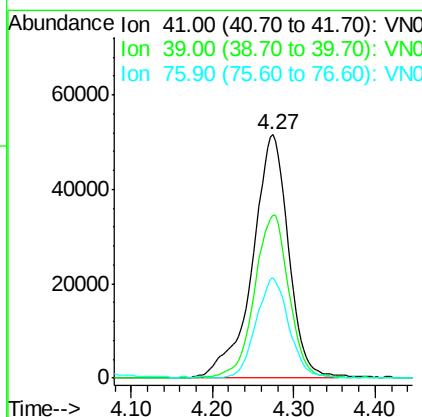
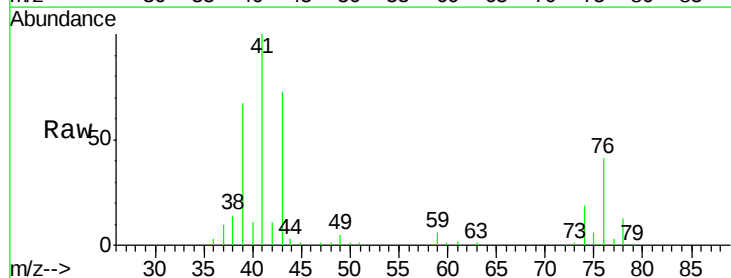
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#14
Allyl chloride
Concen: 48.201 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	63.9	50.9	76.3
76	76	37.5	29.0	43.4





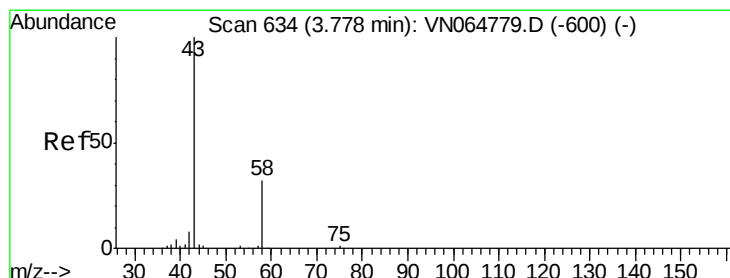
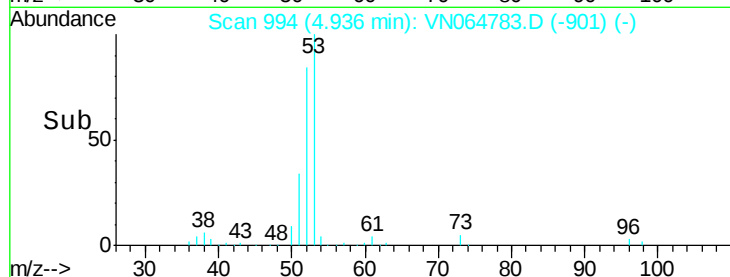
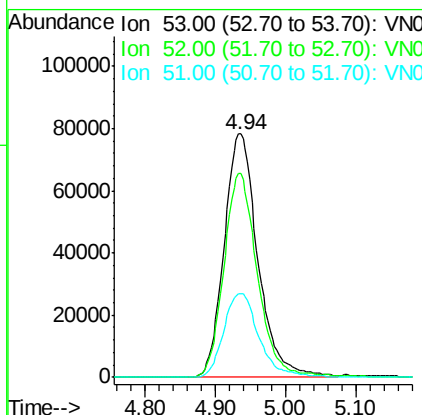
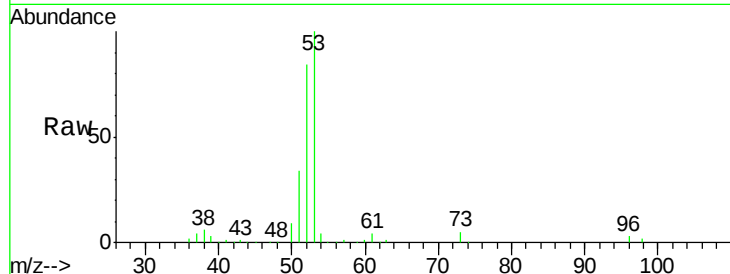
#15
 Acrylonitrile
 Concen: 254.036 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	36.1	28.6	43.0

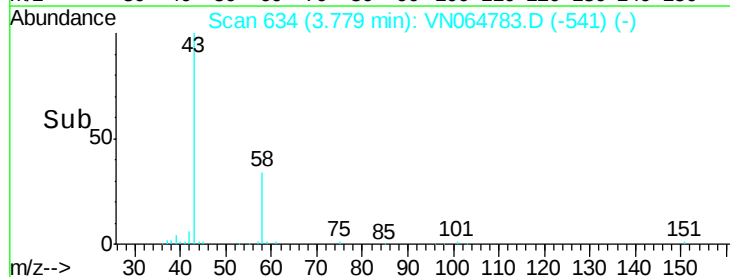
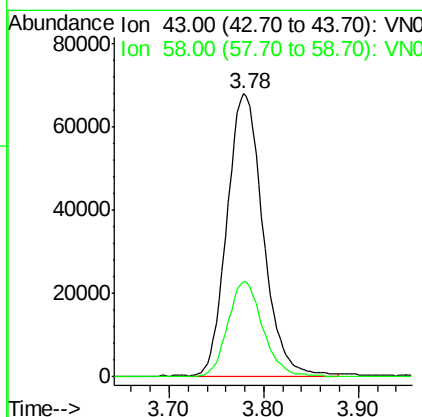
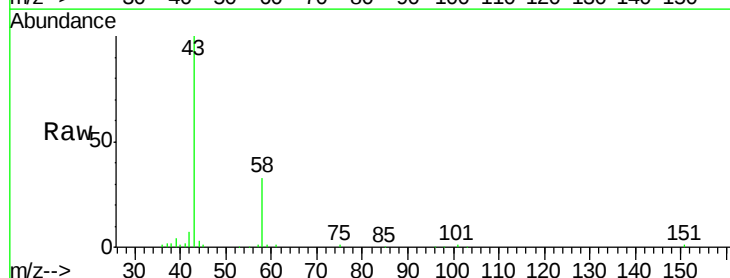
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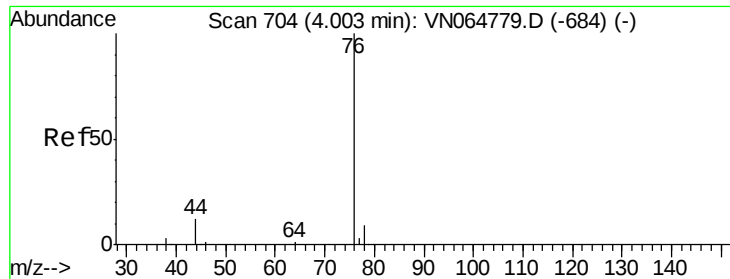
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#16
 Acetone
 Concen: 227.675 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.7	38.5





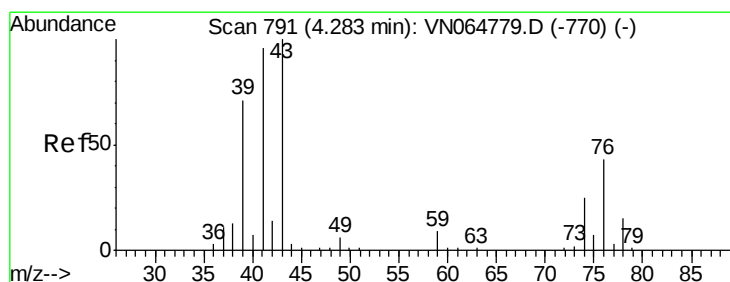
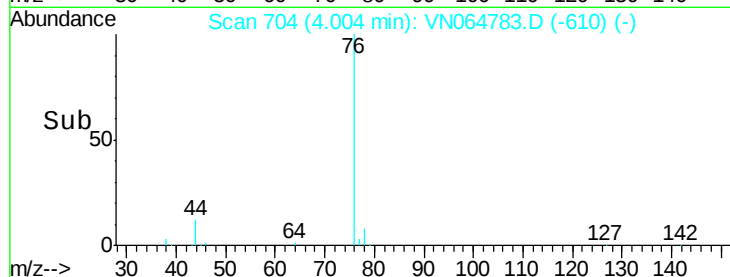
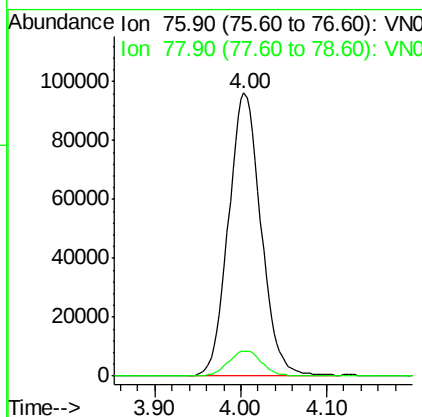
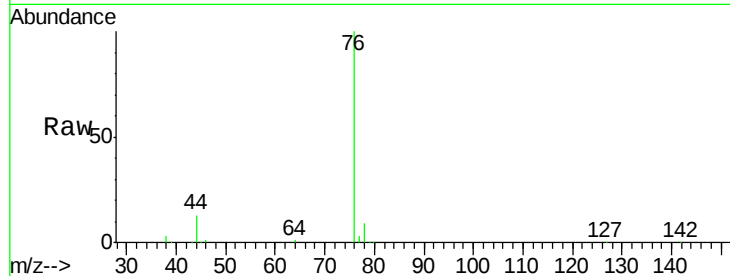
#17
Carbon Disulfide
Concen: 49.075 ug/l
RT: 4.00 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

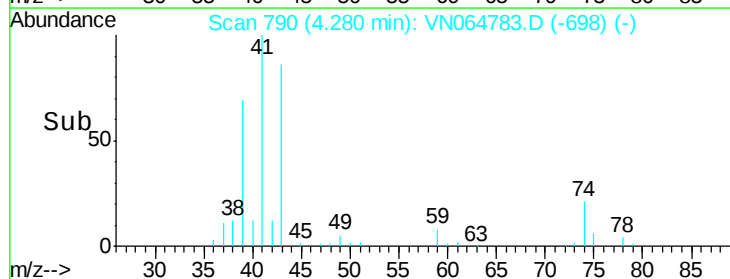
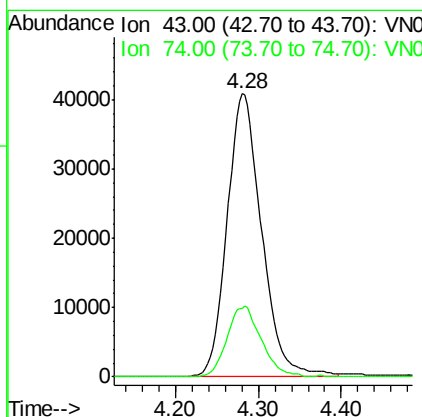
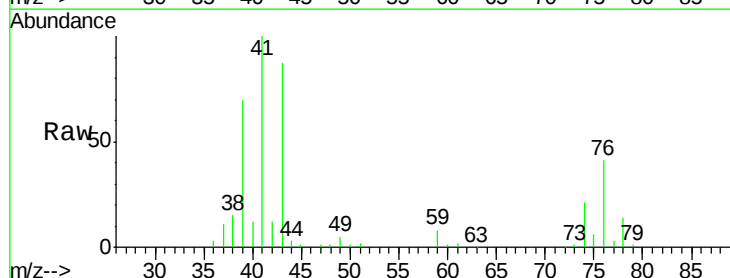
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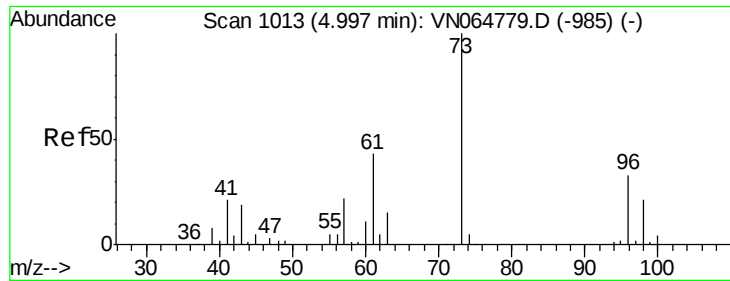
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#18
Methyl Acetate
Concen: 50.049 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.2	30.2





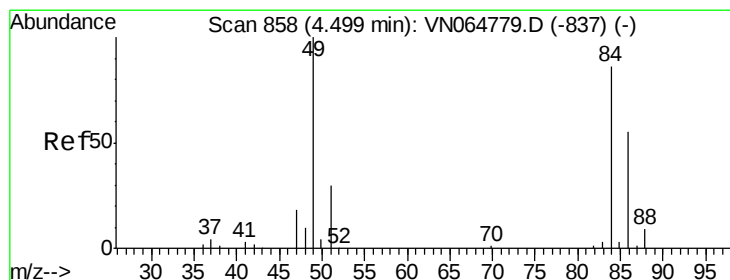
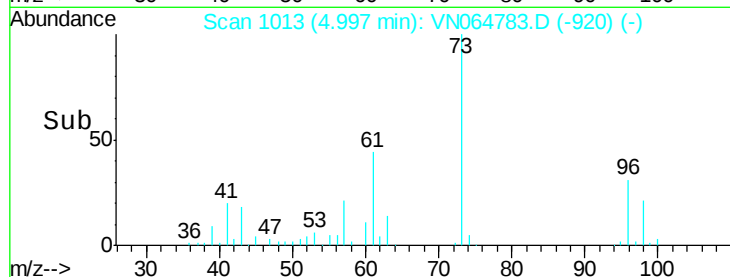
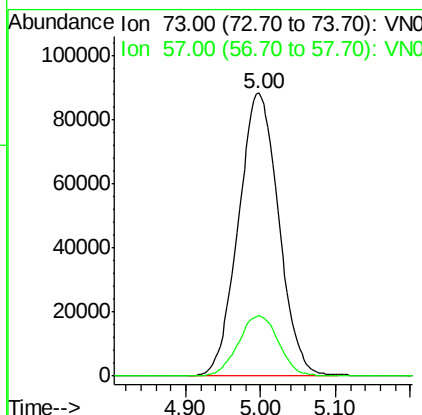
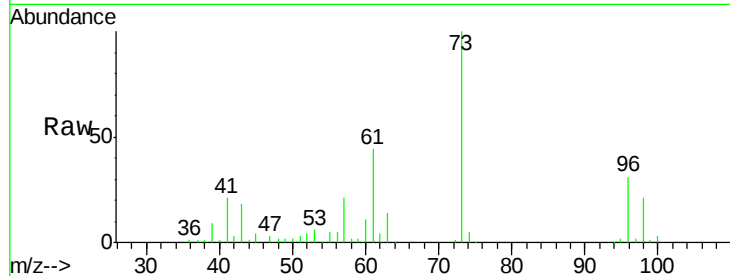
#19
Methvl tert-butvl Ether
Concen: 51.575 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion: 73 Resp: 330140
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.0

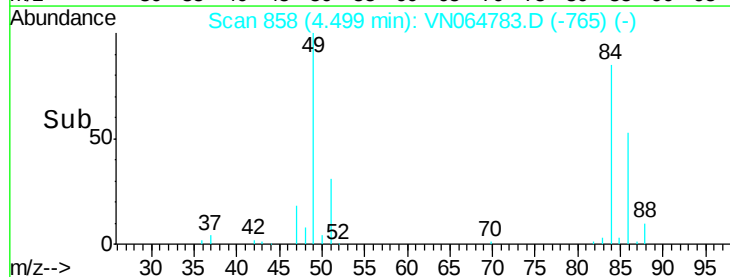
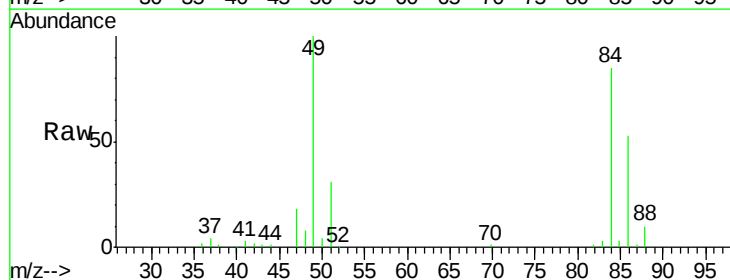
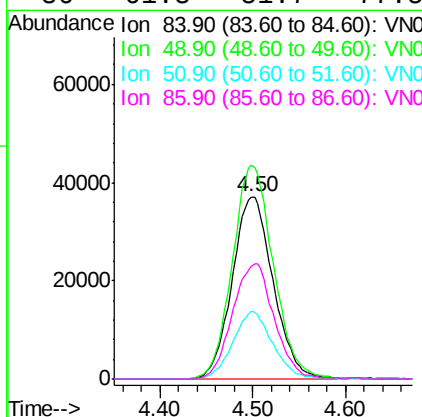
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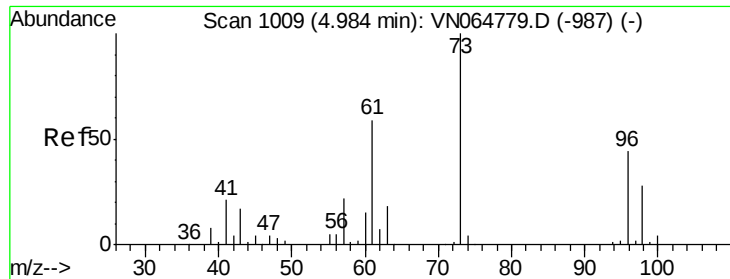
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#20
Methylene Chloride
Concen: 46.100 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion: 84 Resp: 113627
Ion Ratio Lower Upper
84 100
49 117.2 93.4 140.0
51 36.9 28.2 42.4
86 61.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 47.913 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 96 Resp: 106195

Ion Ratio Lower Upper

96 100

61 131.2 108.4 162.6

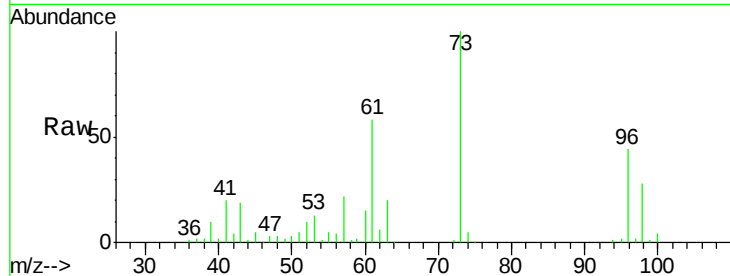
98 62.4 51.3 76.9

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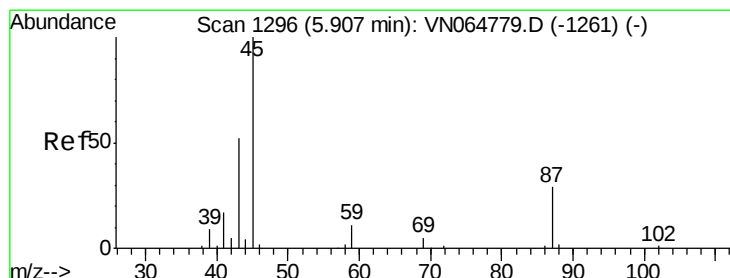
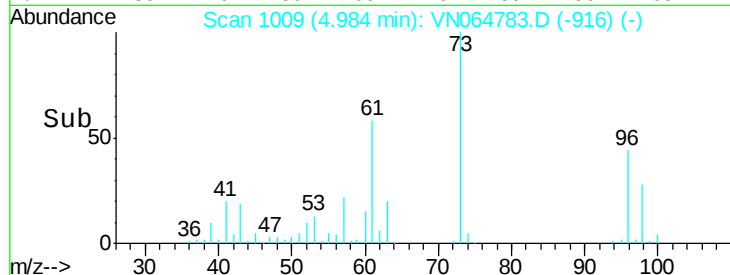
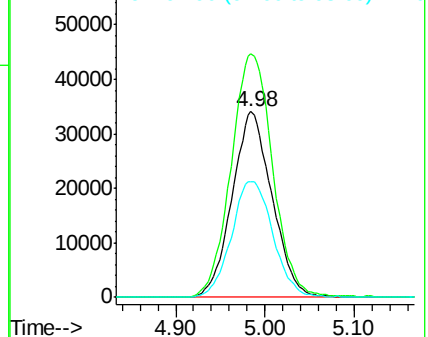


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.708 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion: 45 Resp: 334107

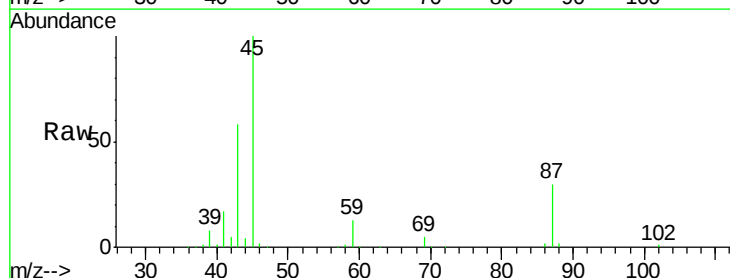
Ion Ratio Lower Upper

45 100

43 57.0 46.2 69.2

87 29.9 24.1 36.1

59 12.7 9.0 13.4



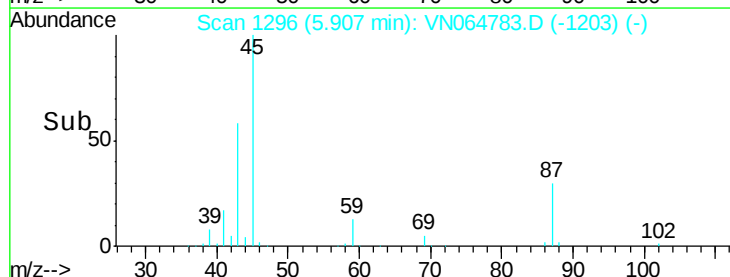
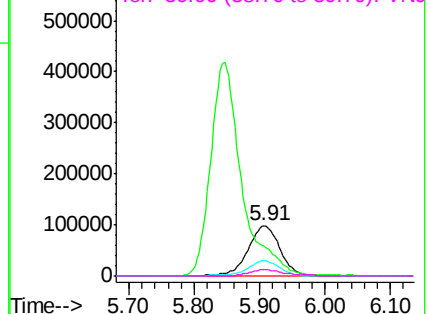
Abundance

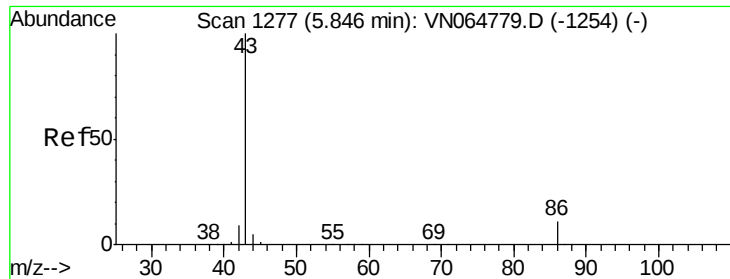
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





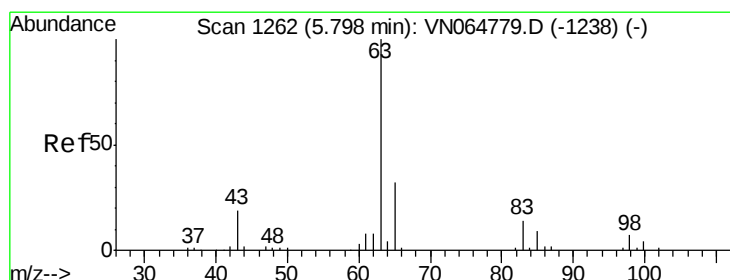
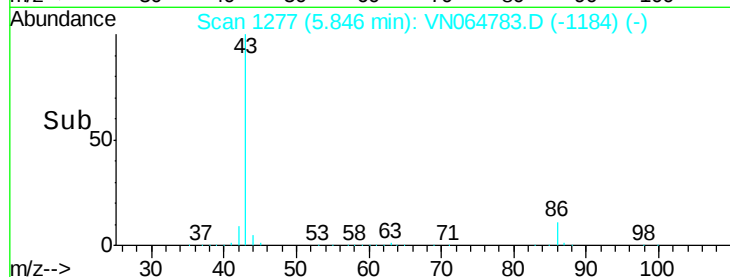
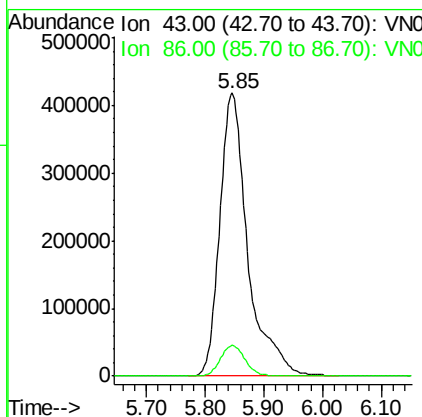
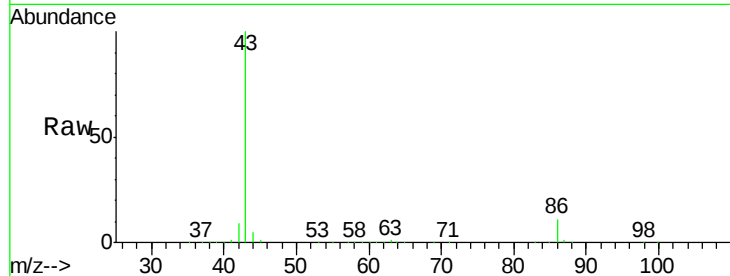
#23
 Vinyl Acetate
 Concen: 263.006 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion: 43 Resp: 1385772
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.9 13.3

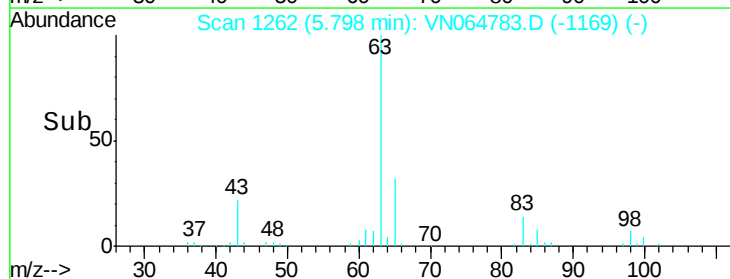
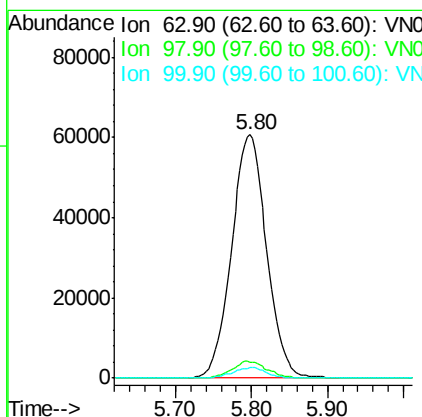
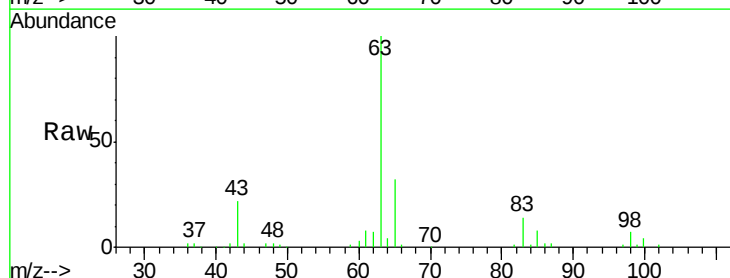
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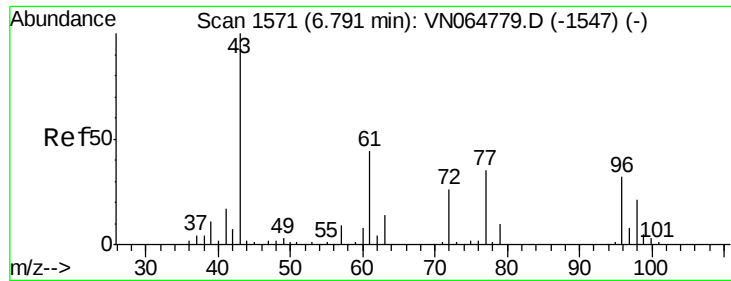
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#24
 1,1-Dichloroethane
 Concen: 49.191 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion: 63 Resp: 193700
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.5
 100 4.2 2.3 6.8





#25

2-Butanone

Concen: 254.803 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 43 Resp: 324898

Ion Ratio Lower Upper

43 100

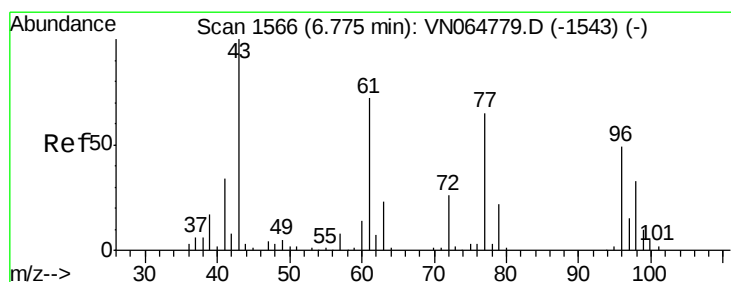
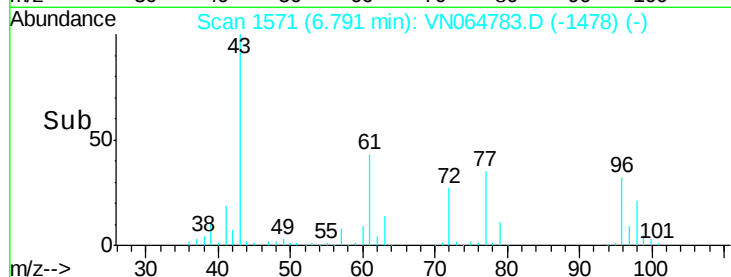
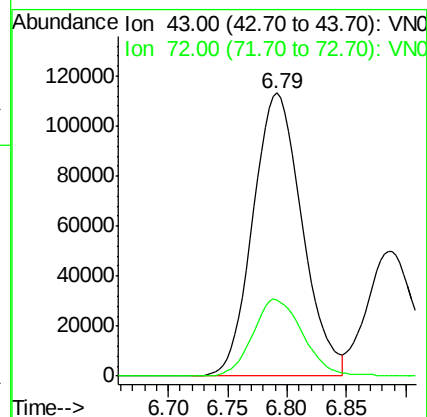
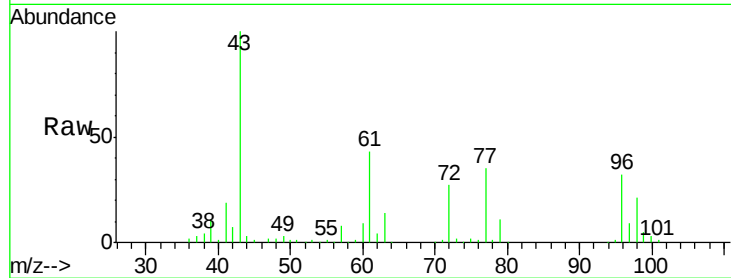
72 27.0 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.903 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064783.D

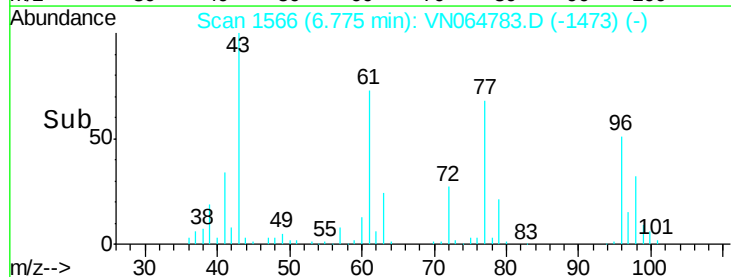
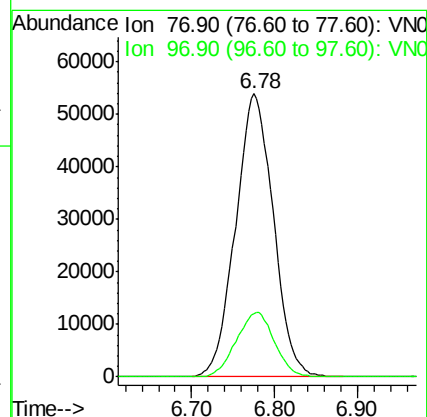
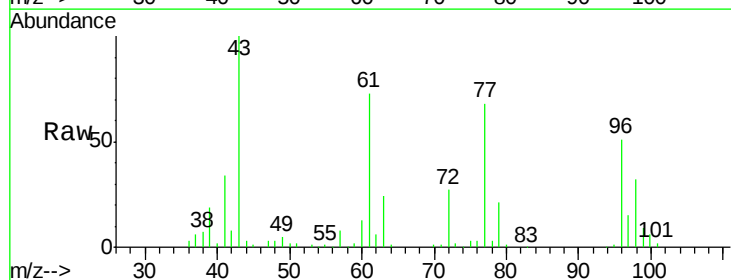
Acq: 23 Nov 2020 14:20

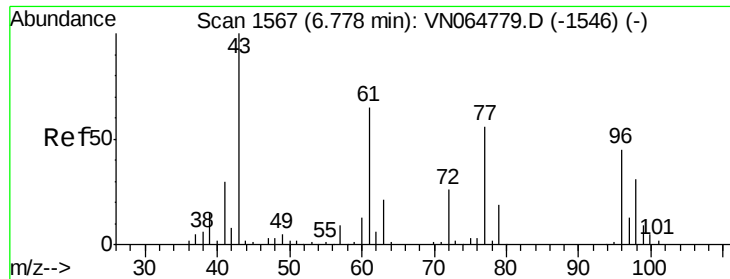
Tgt Ion: 77 Resp: 170429

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 48.961 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

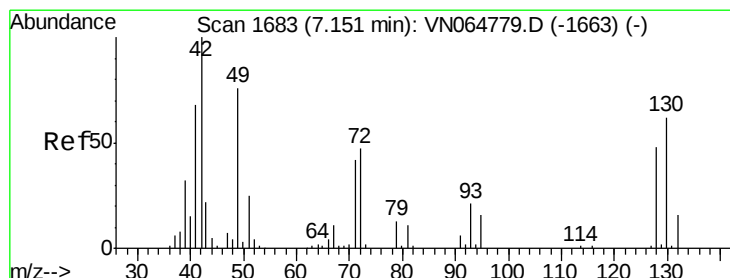
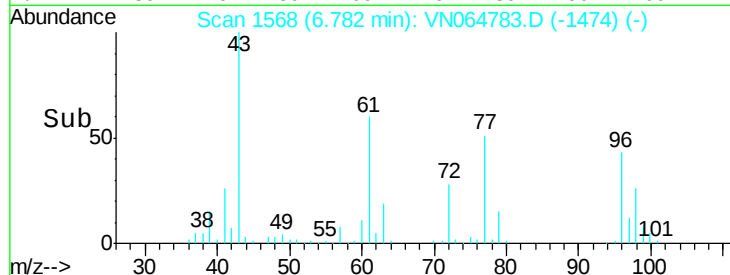
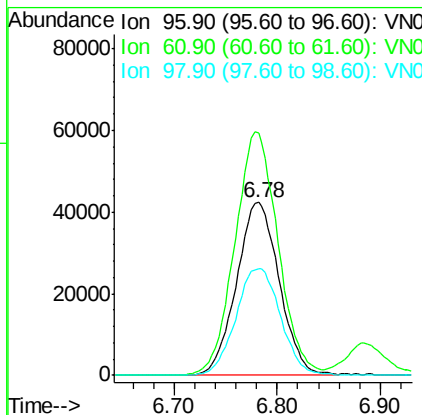
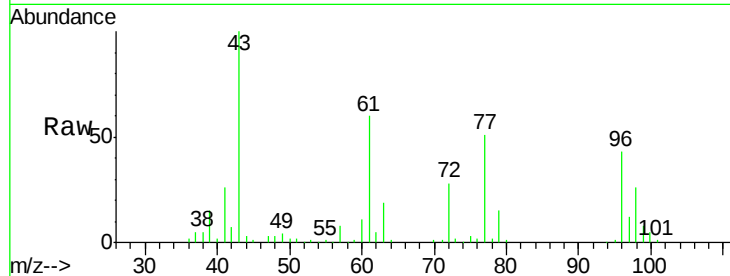
ClientSampleId :

ICVVN112320

Tot Ion:	96	Resp:	122109
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	285.8
98	64.6	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 47.469 ug/l

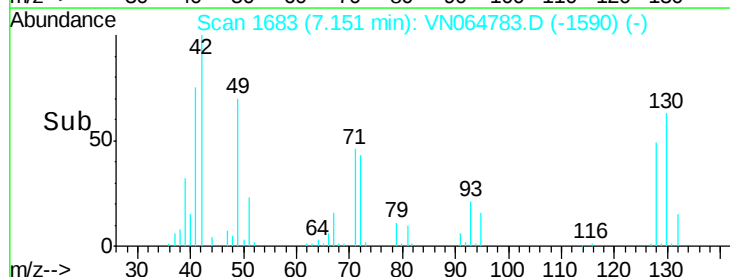
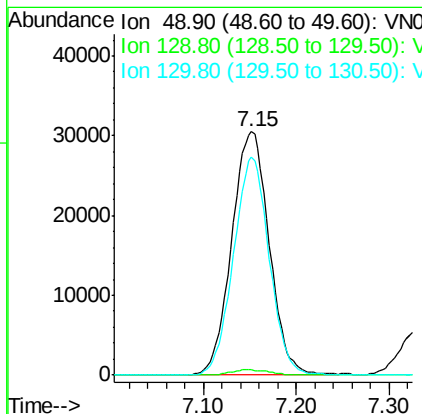
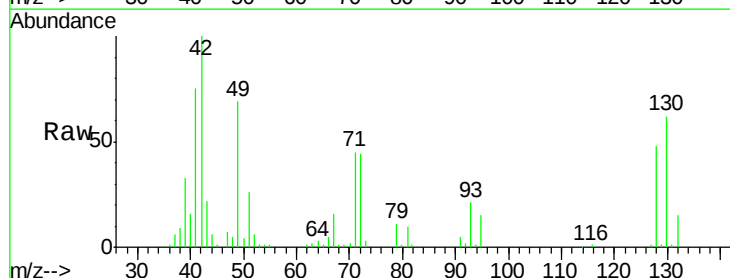
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	49	Resp:	85511
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	85.3	66.2	99.2





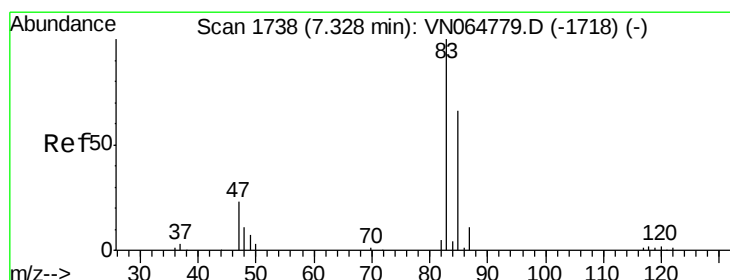
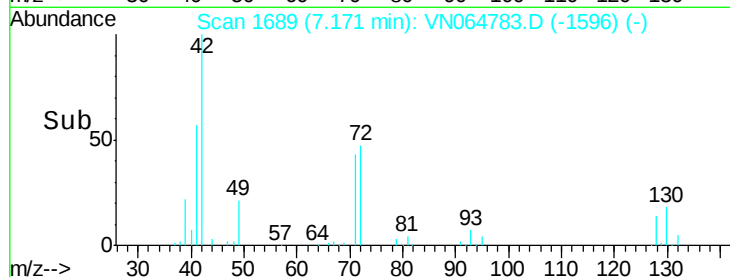
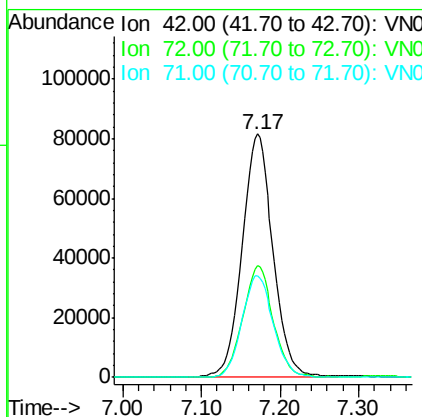
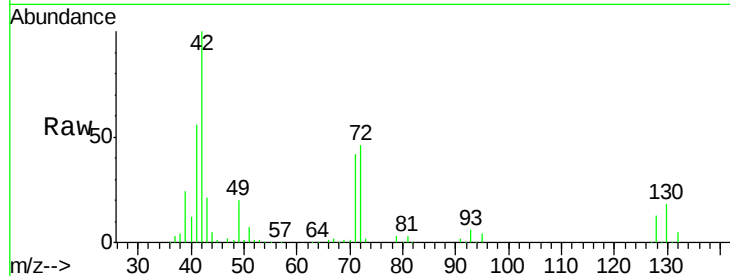
#29
Tetrahydrofuran
Concen: 255.300 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.6	54.8
71	42.5	33.6	50.4

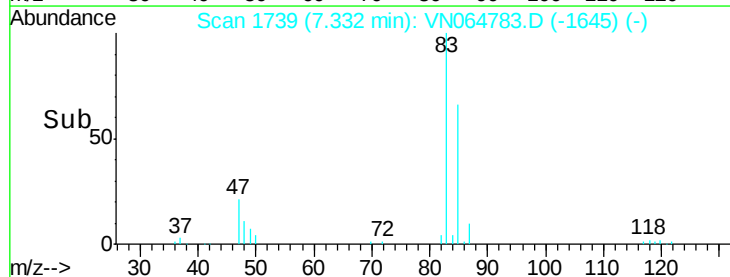
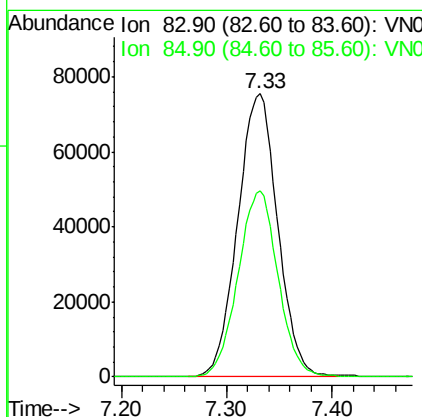
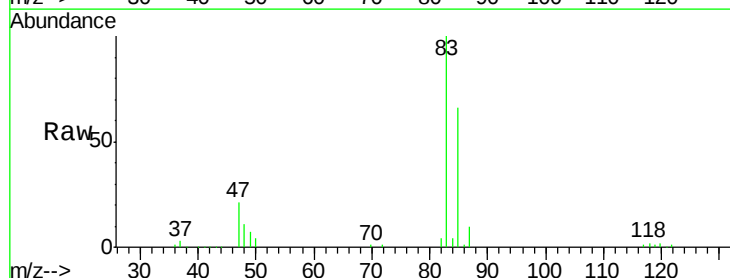
Manual Integrations
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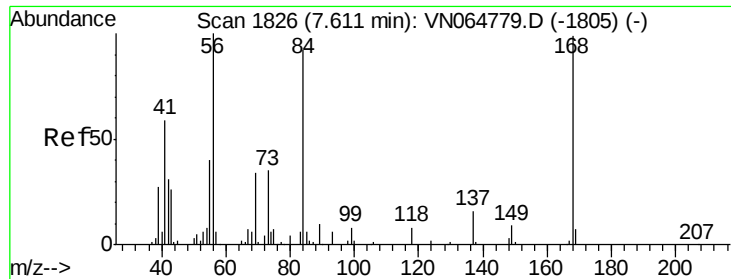
MMDadoda
11/24/2020 3:01:28 PM



#30
Chloroform
Concen: 49.034 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8





#31

Cyclohexane

Concen: 48.491 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

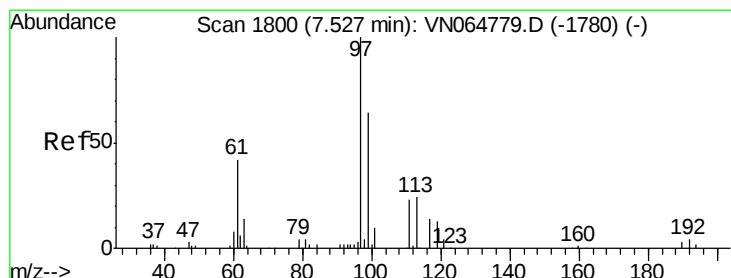
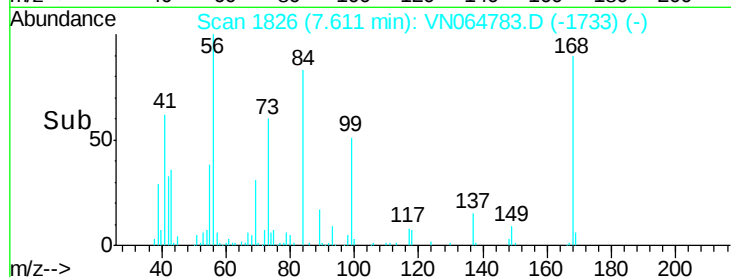
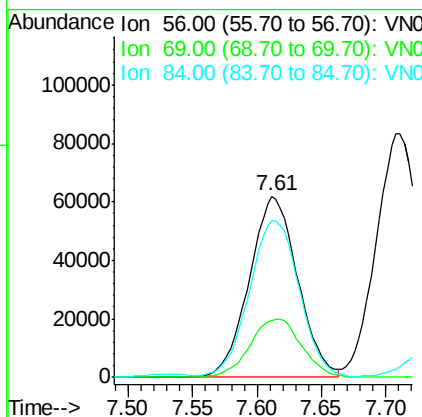
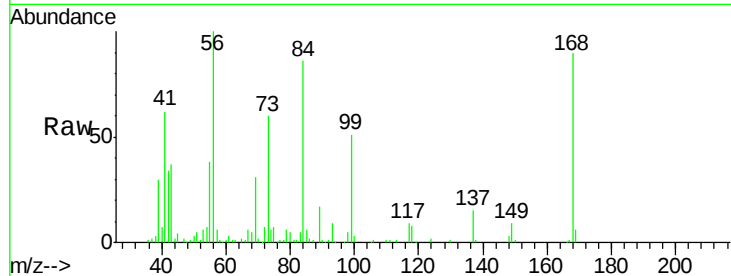
ClientSampleId :

ICVNN112320

Tot Ion:	56	Resp:	161717
Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.5	41.3
84	85.1	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.498 ug/l

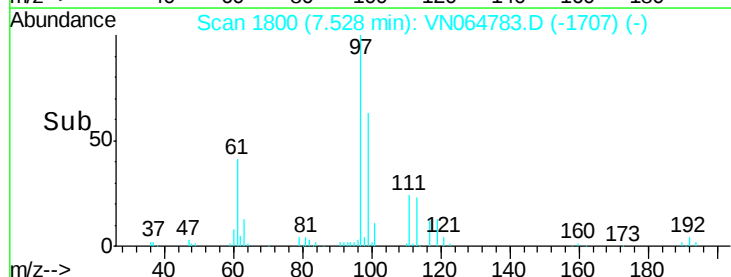
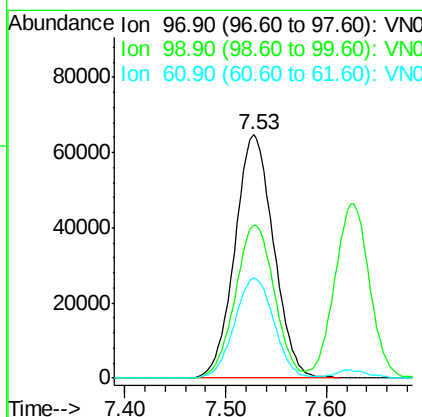
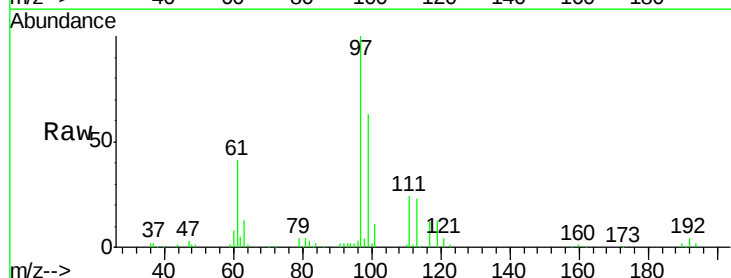
RT: 7.53 min Scan# 1800

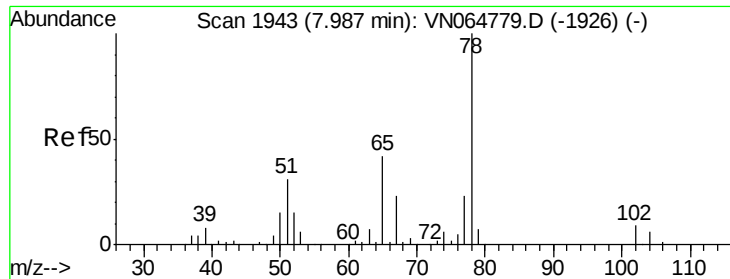
Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	97	Resp:	172634
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	41.7	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 47.002 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 65 Resp: 112466

Ion Ratio Lower Upper

65 100

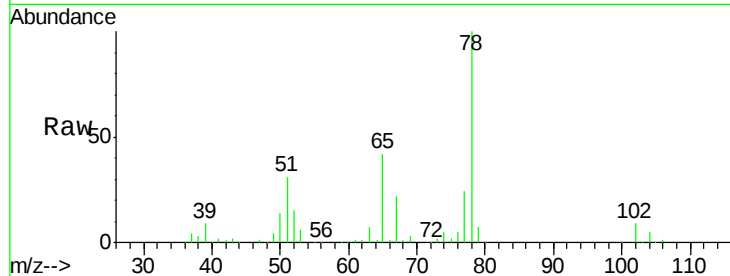
67 53.2 0.0 108.2

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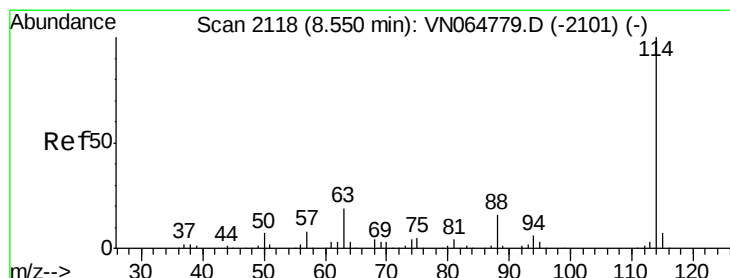
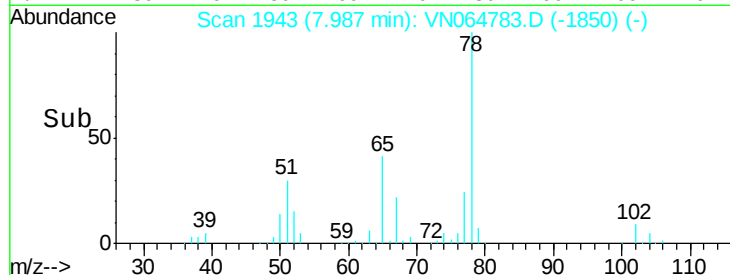
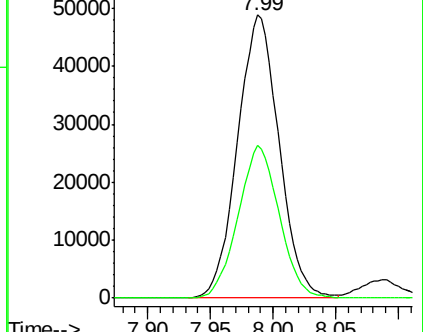
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Abundance Ion 64.90 (64.60 to 65.60): VN064783.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064783.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

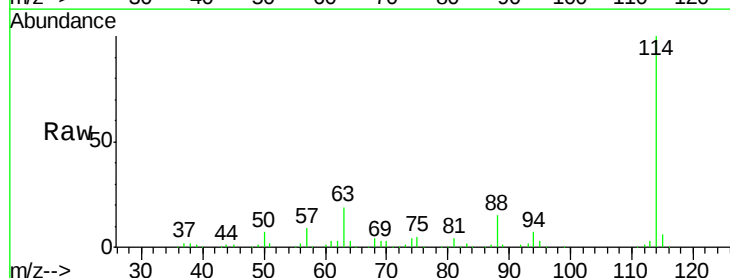
Tgt Ion: 114 Resp: 312186

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

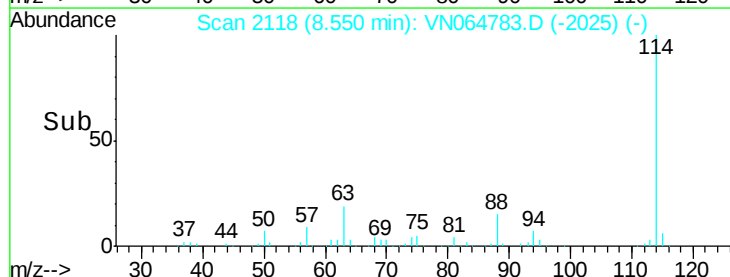
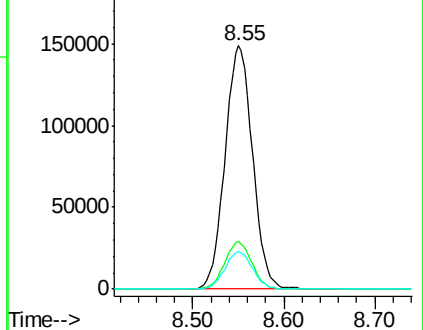
88 15.3 0.0 32.6

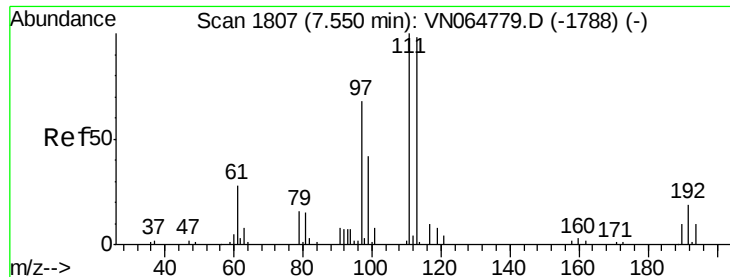


Abundance Ion 113.90 (113.60 to 114.60): VN064783.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064783.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064783.D (-2025) (-)





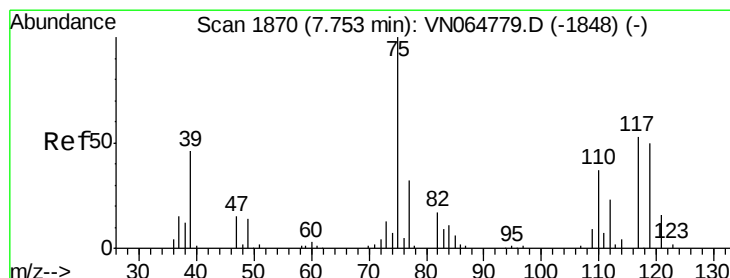
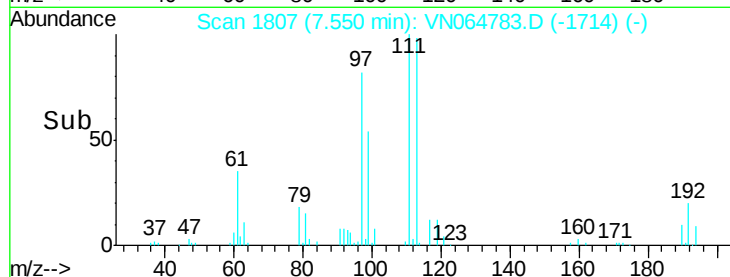
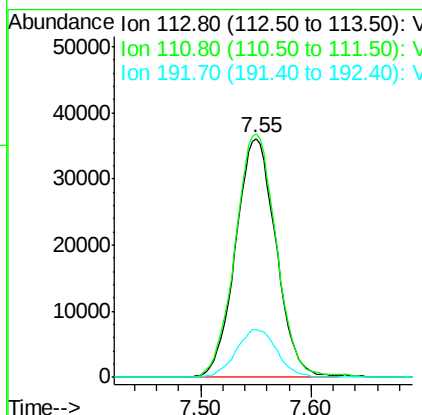
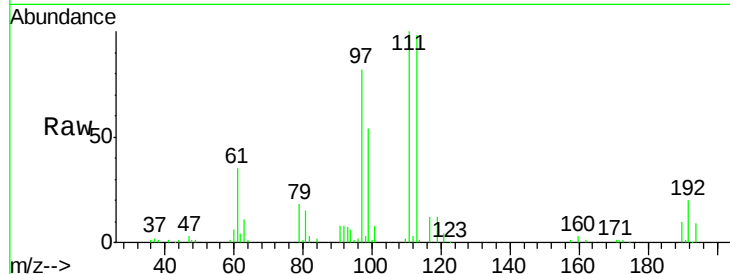
#35
Dibromofluoromethane
Concen: 48.976 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.6	122.4
192	20.3	16.2	24.2

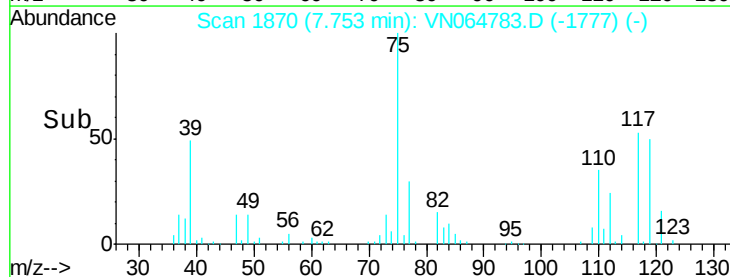
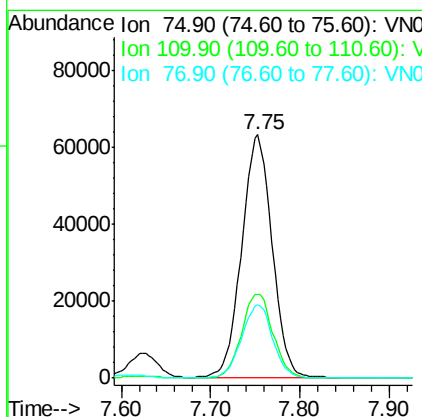
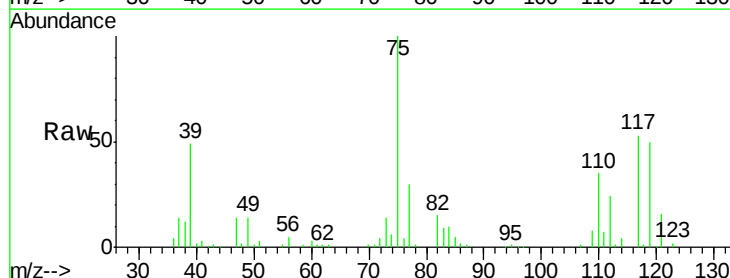
Manual Integrations
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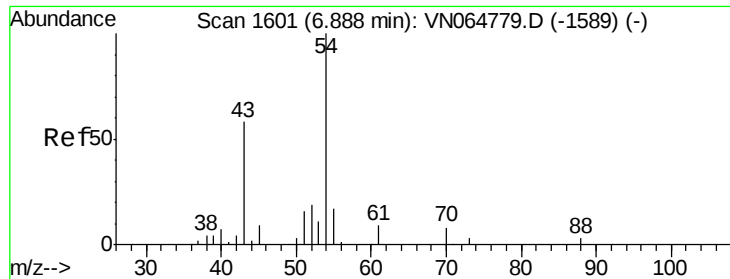
MMDadoda
11/24/2020 3:01:28 PM



#36
1,1-Dichloropropene
Concen: 51.646 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.8	53.3
77	30.9	25.0	37.4





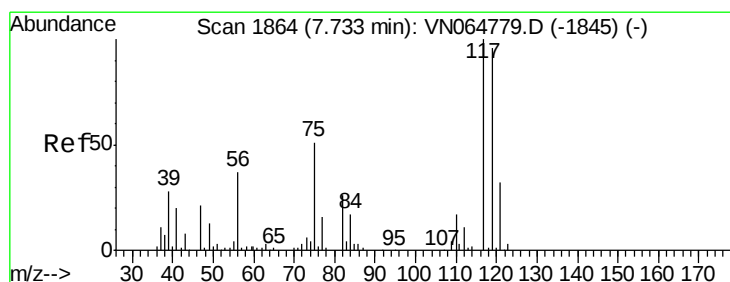
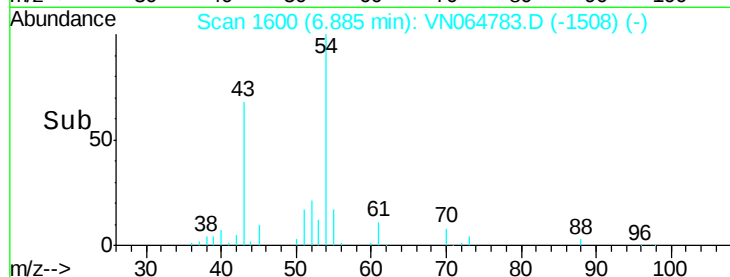
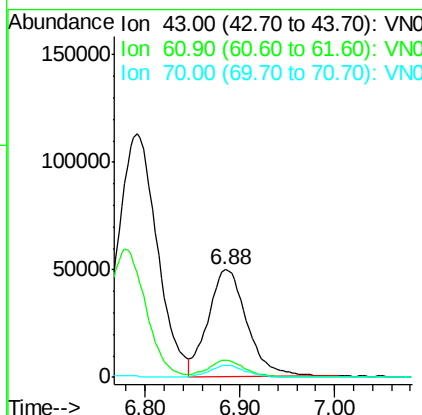
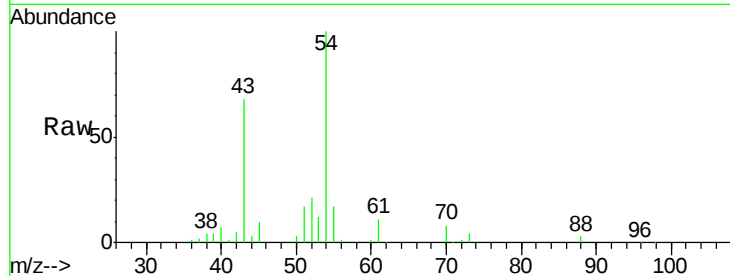
#37
Ethyl Acetate
Concen: 51.059 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.8	19.2
70	10.6	8.8	13.2

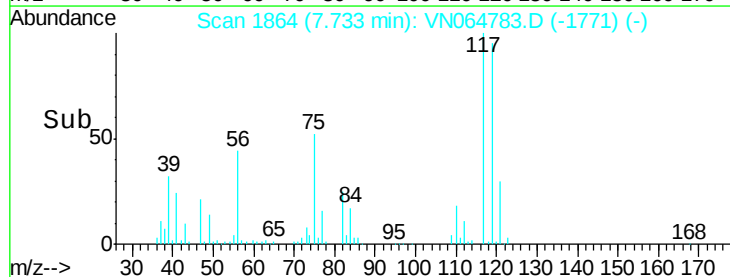
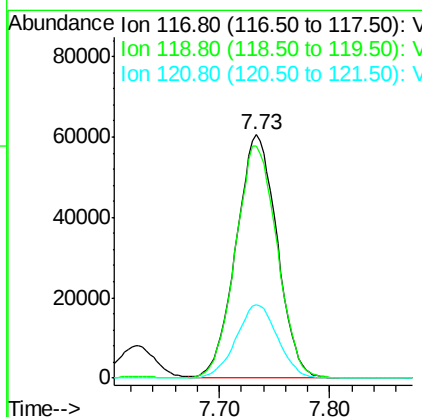
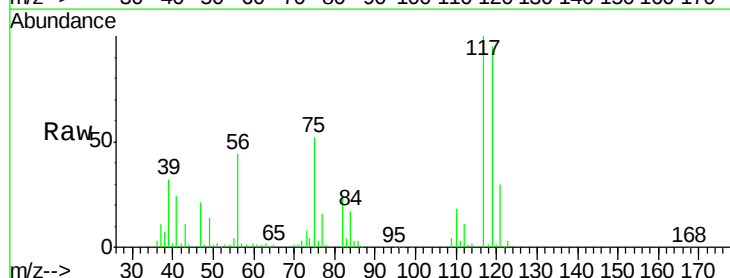
Manual Integrations
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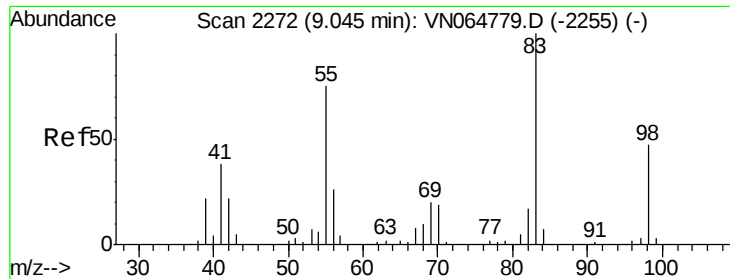
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#38
Carbon Tetrachloride
Concen: 51.756 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
121	30.0	25.4	38.2





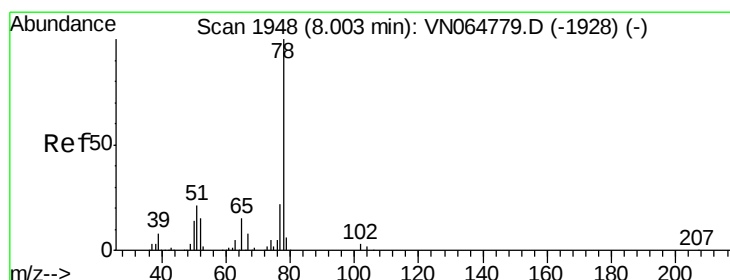
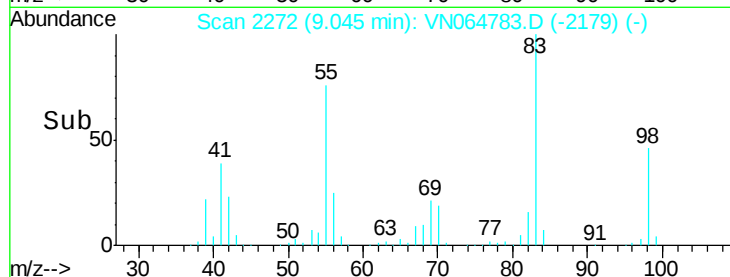
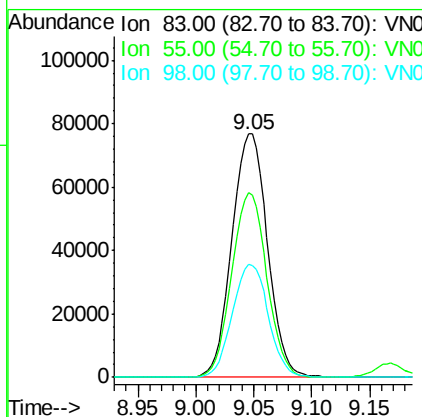
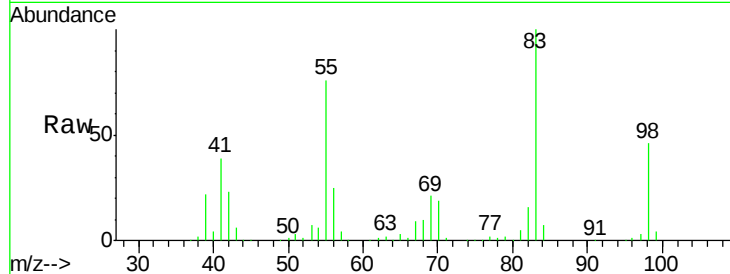
#39
Methvlcvclohexane
Concen: 52.551 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVFN112320

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.2	90.2
98	46.2	37.4	56.2

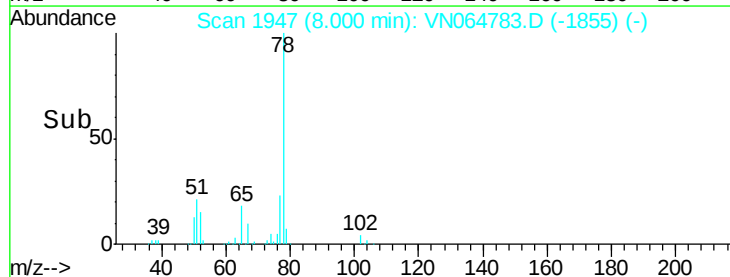
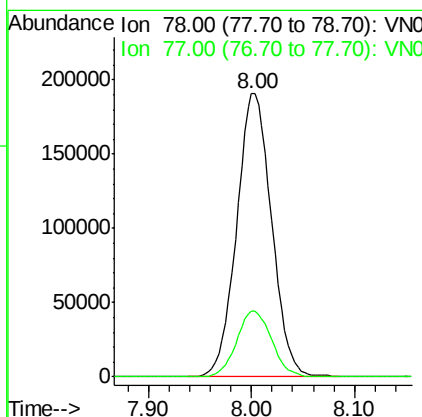
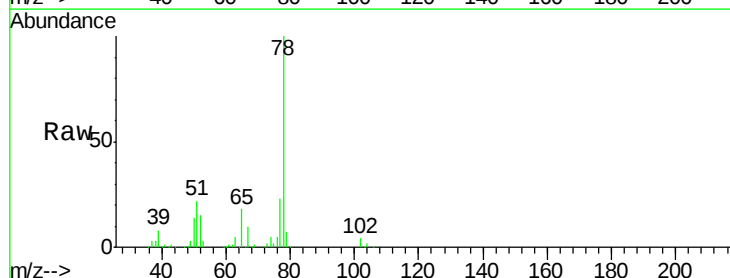
Manual Integrations
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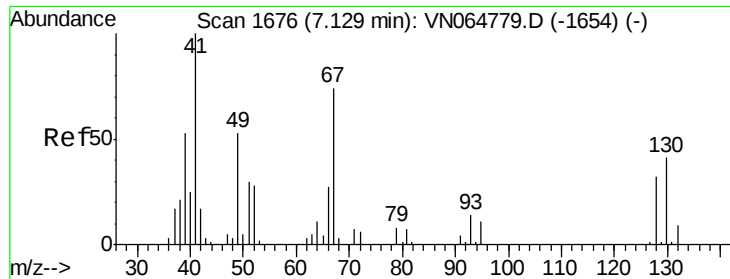
MMDadoda
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#40
Benzene
Concen: 50.658 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	17.9	26.9





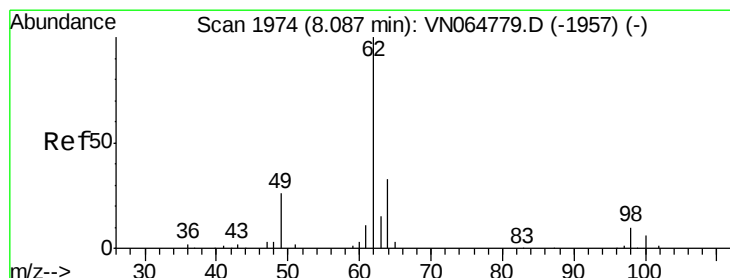
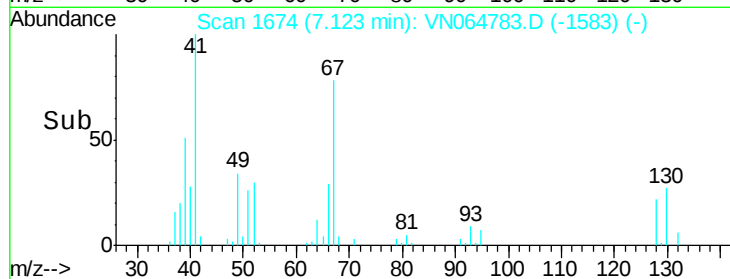
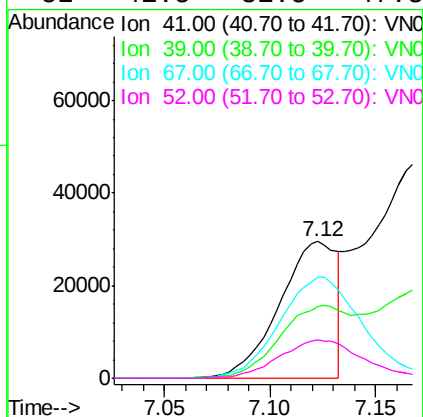
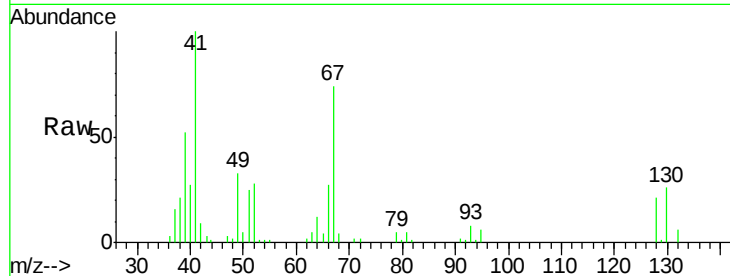
#41
Methacrylonitrile
Concen: 43.533 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion:	41	Resp:	55990
Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.0	76.6
67	106.8	79.8	119.8
52	41.5	31.5	47.3

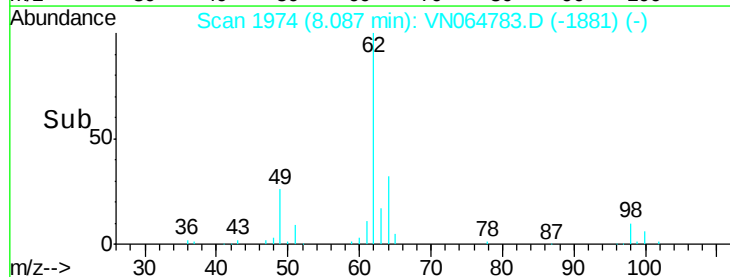
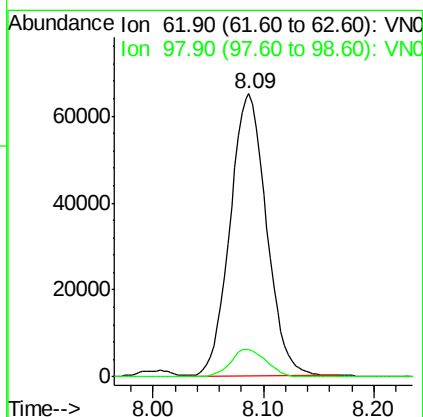
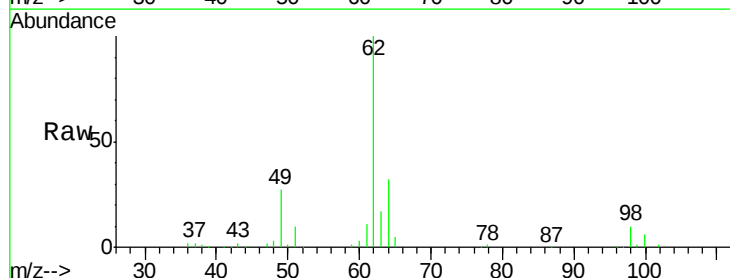
Manual Integrations
APPROVED

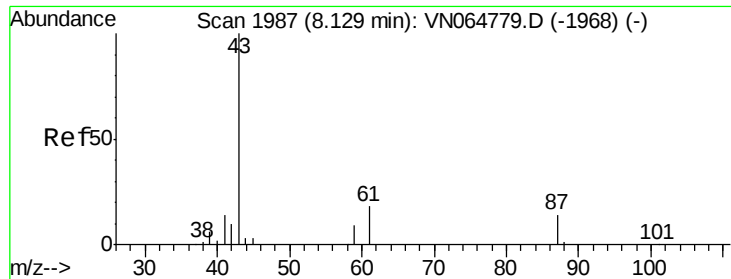
MMDadoda
11/24/2020 3:01:28 PM



#42
1,2-Dichloroethane
Concen: 49.618 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion:	62	Resp:	148422
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 52.294 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

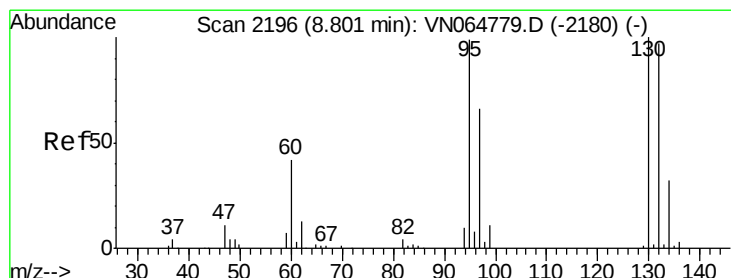
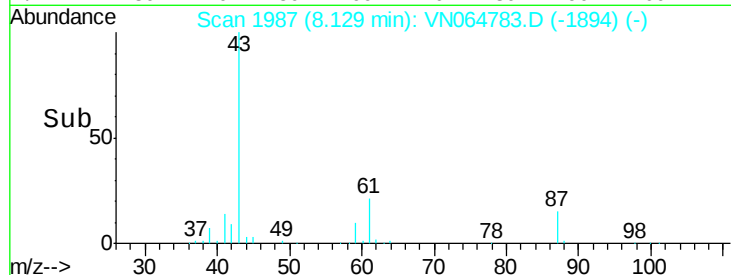
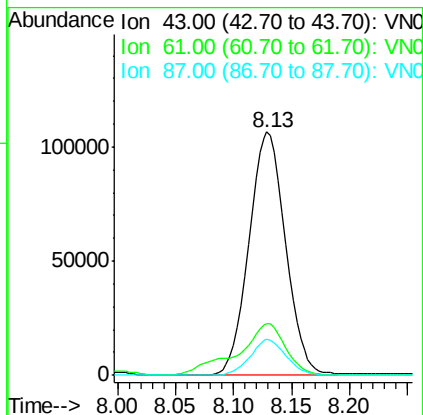
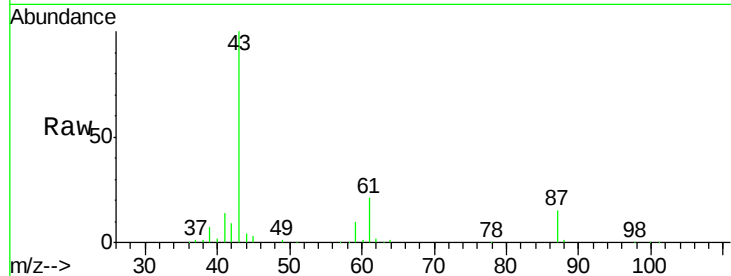
ClientSampleId :

ICVVN112320

Tot Ion:	43	Resp:	234548
Ion	Ratio	Lower	Upper
43	100		
61	28.1	17.2	25.8#
87	14.3	11.4	17.0

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#44

Trichloroethene

Concen: 49.615 ug/l

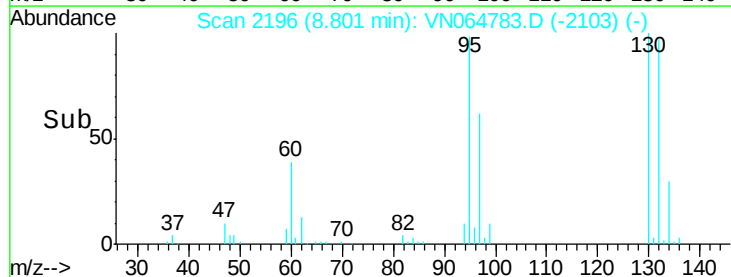
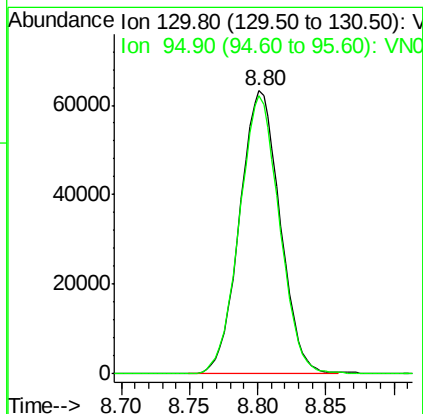
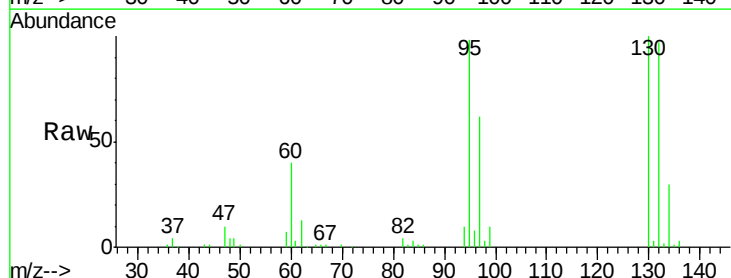
RT: 8.80 min Scan# 2196

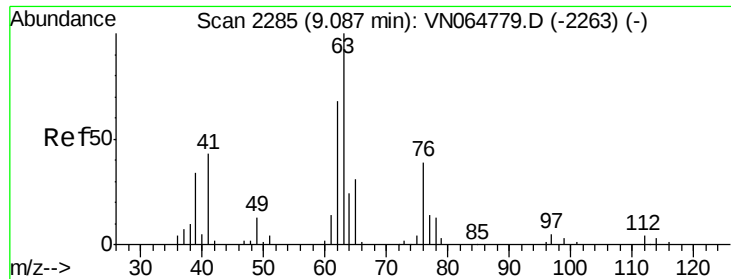
Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	130	Resp:	129806
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	197.8





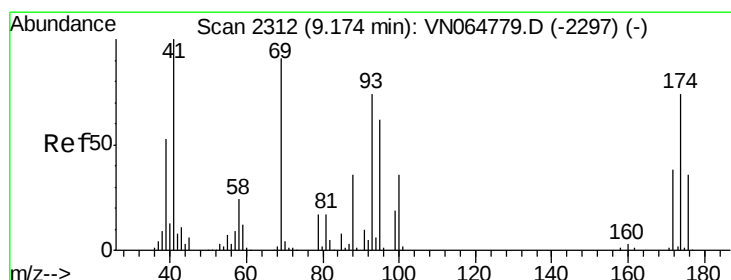
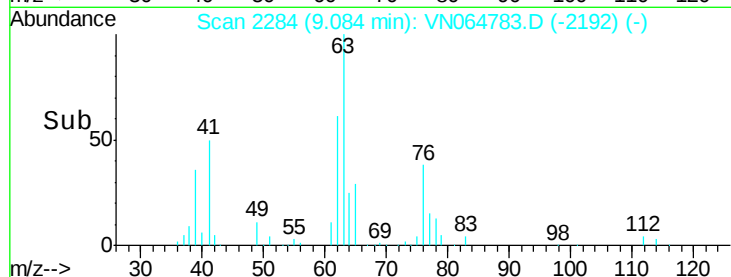
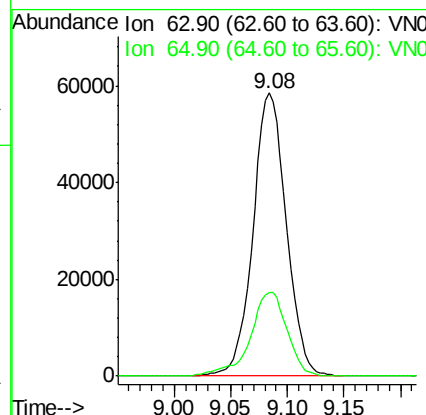
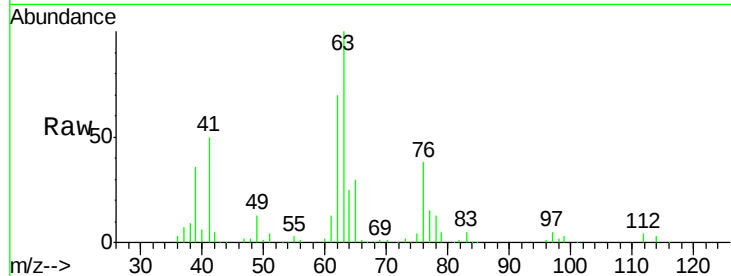
#45
 1,2-Dichloropropane
 Concen: 52.116 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion: 63 Resp: 119675
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

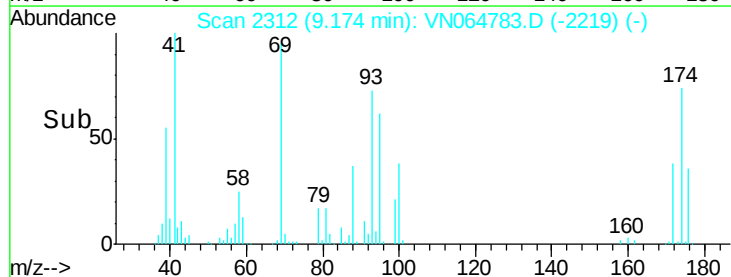
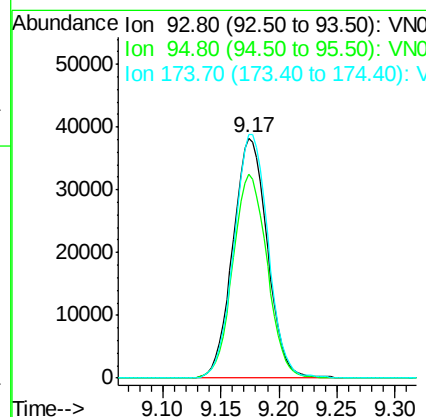
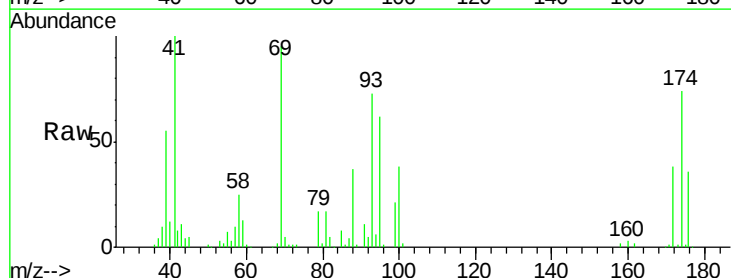
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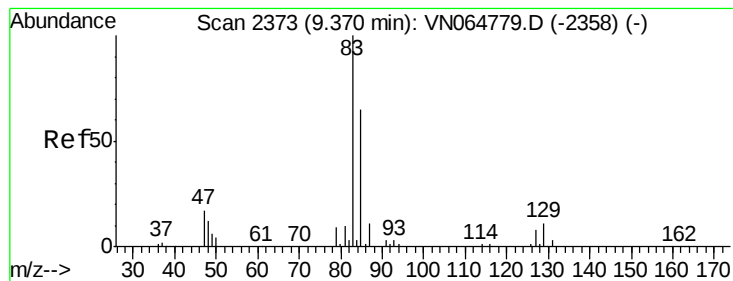
MMDadoda
 11/24/2020 3:01:28 PM



#46
 Dibromomethane
 Concen: 51.449 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion: 93 Resp: 78927
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.8 103.2
 174 100.8 83.1 124.7





#47

Bromodichloromethane

Concen: 51.265 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

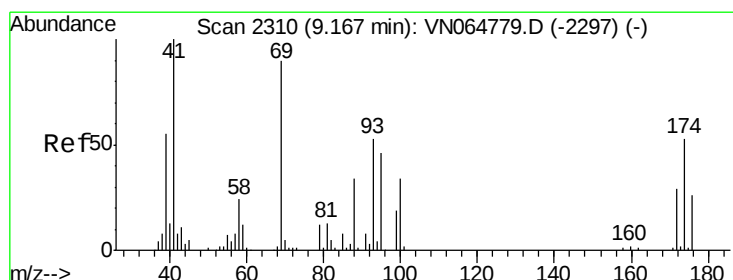
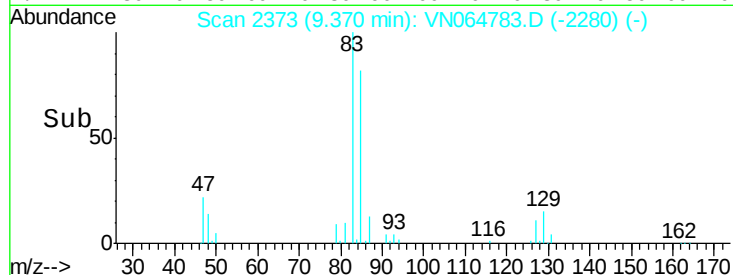
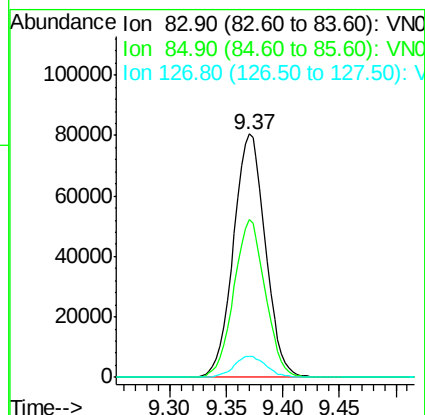
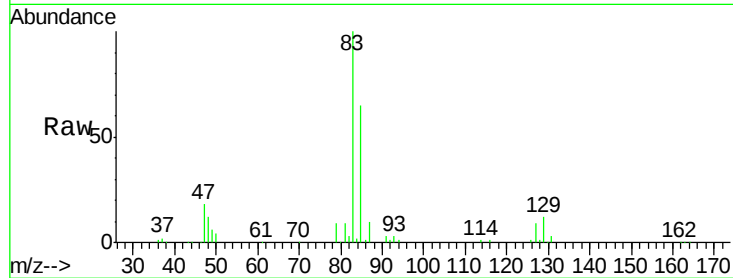
ClientSampleId :

ICVVN112320

Tot Ion:	83	Resp:	158242
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	8.7	6.8	10.2

Manual Integrations
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11/24/2020 3:01:28 PM



#48

Methyl methacrylate

Concen: 53.047 ug/l

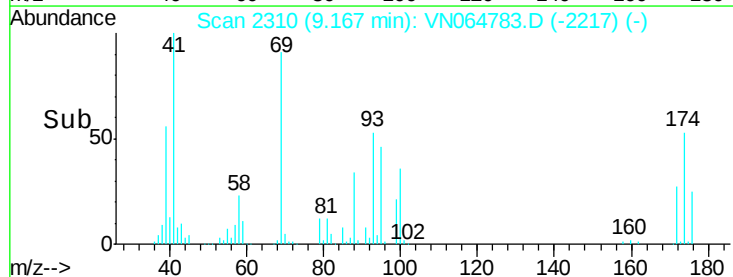
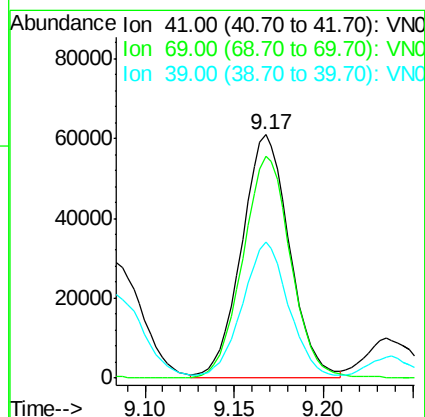
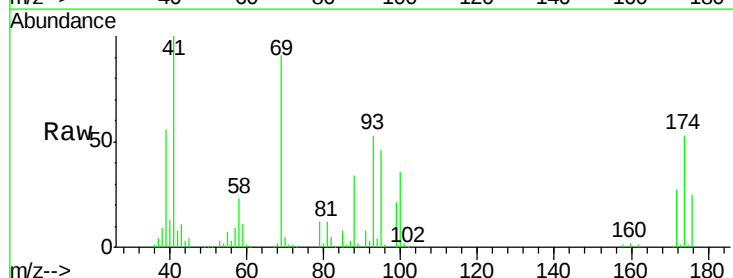
RT: 9.17 min Scan# 2310

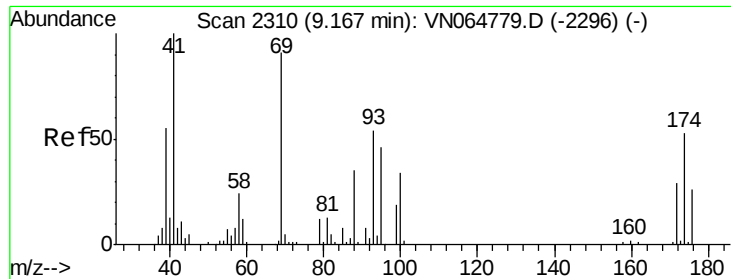
Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	41	Resp:	113690
Ion	Ratio	Lower	Upper
41	100		
69	91.9	71.8	107.8
39	54.2	44.1	66.1





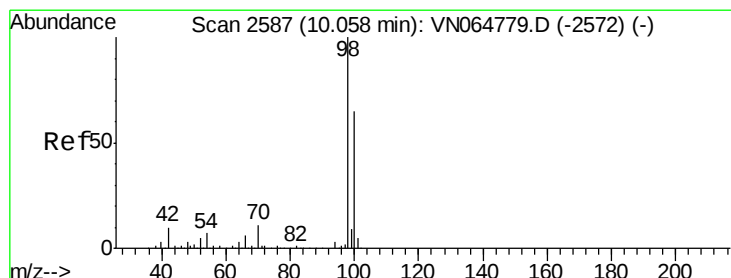
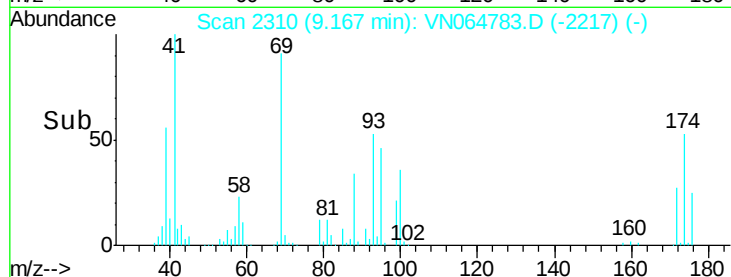
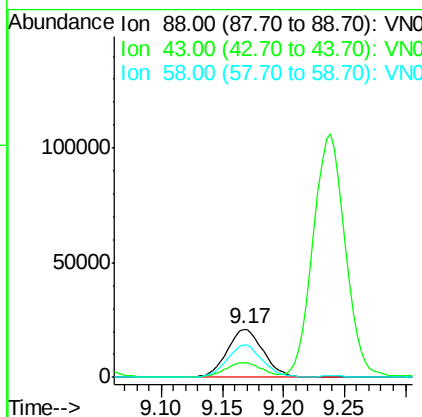
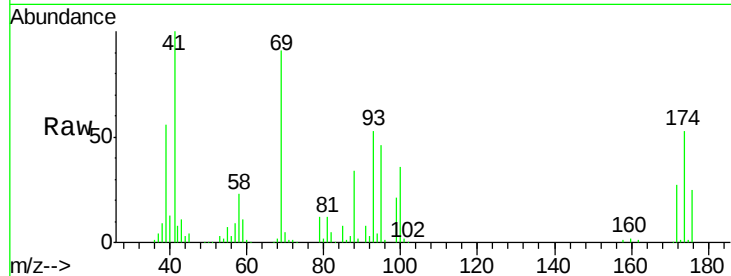
#49
1,4-Dioxane
Concen: 1070.289 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.3	24.2	36.4	
58	66.0	52.5	78.7	

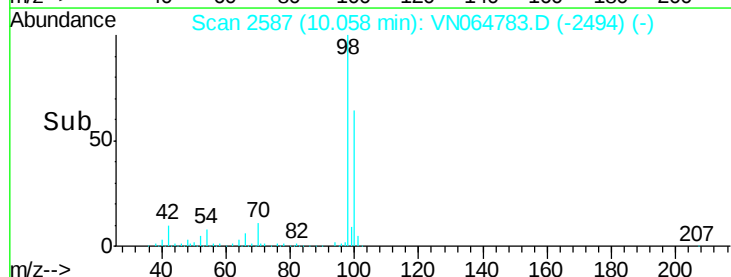
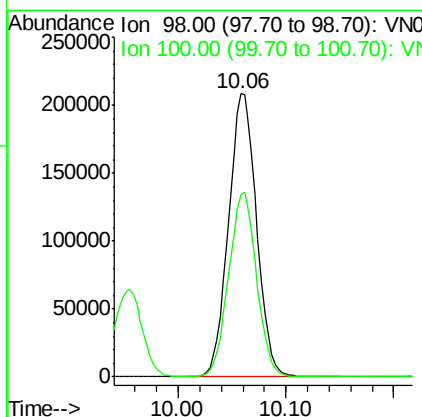
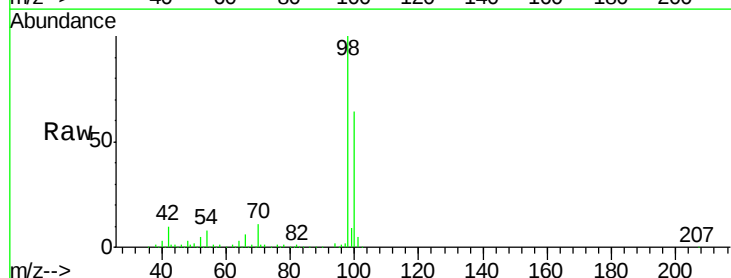
Manual Integrations
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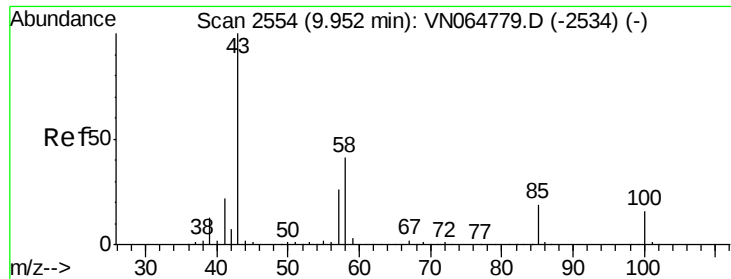
MMDadoda
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#50
Toluene-d8
Concen: 49.551 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.6	51.7	77.5	





#51

4-Methyl-2-Pentanone

Concen: 265.574 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 43 Resp: 715106

Ion Ratio Lower Upper

43 100

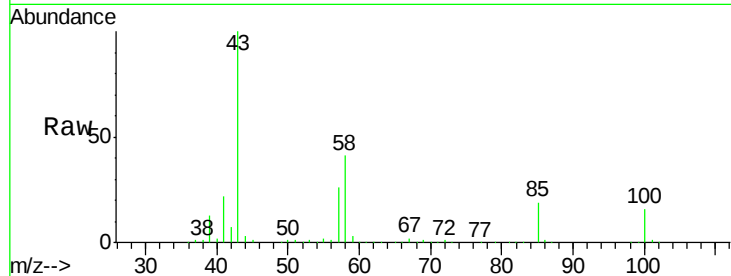
58 40.1 32.4 48.6

Manual Integrations

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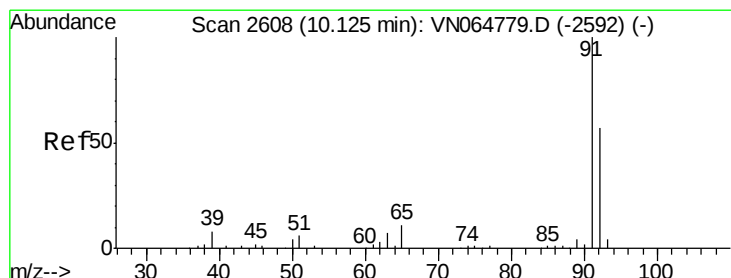
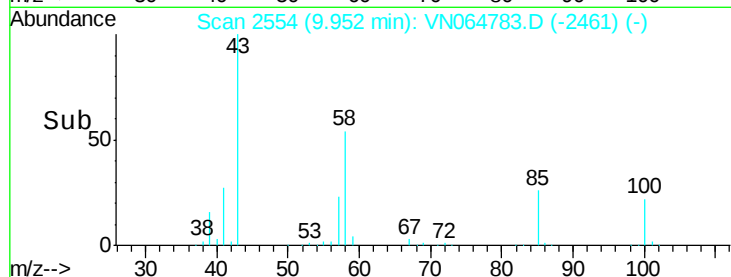
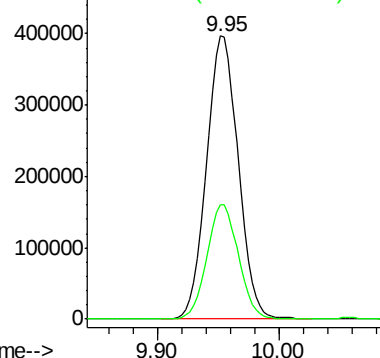
MMDadoda

11/24/2020 3:01:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.000 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064783.D

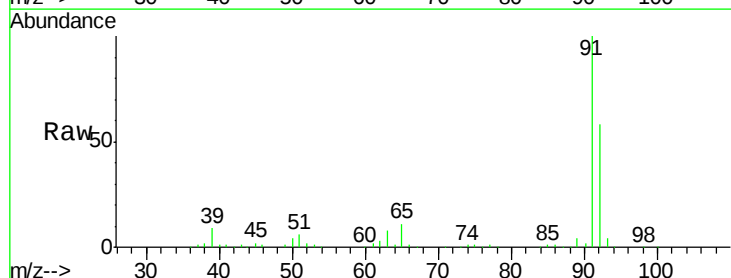
Acq: 23 Nov 2020 14:20

Tgt Ion: 92 Resp: 283957

Ion Ratio Lower Upper

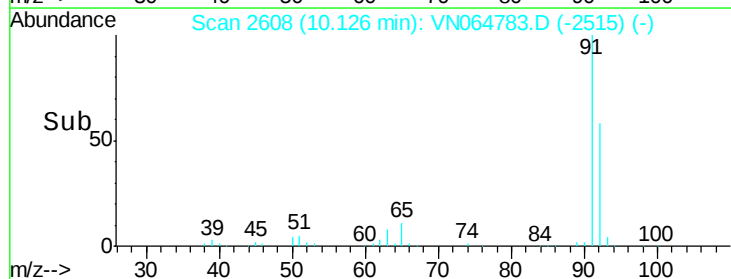
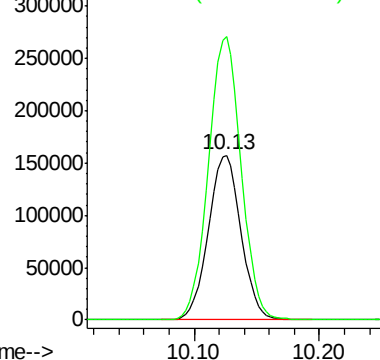
92 100

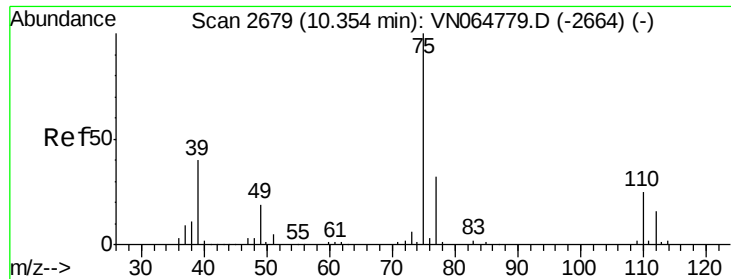
91 172.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





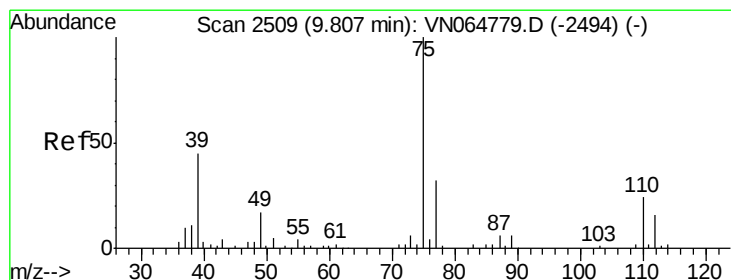
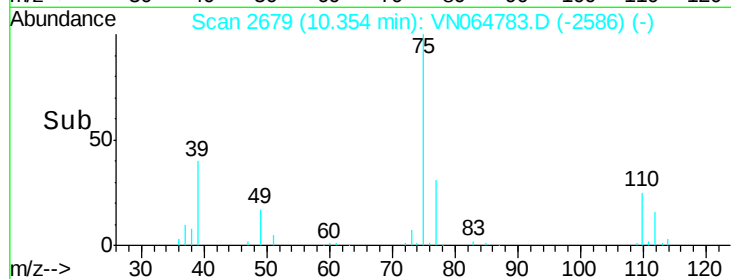
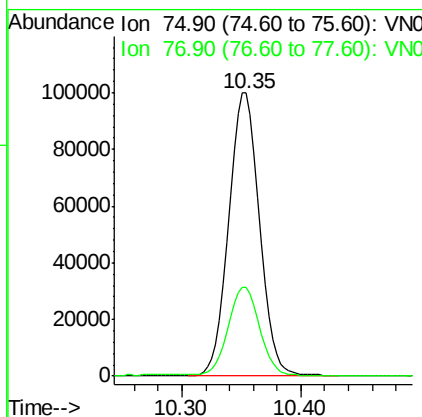
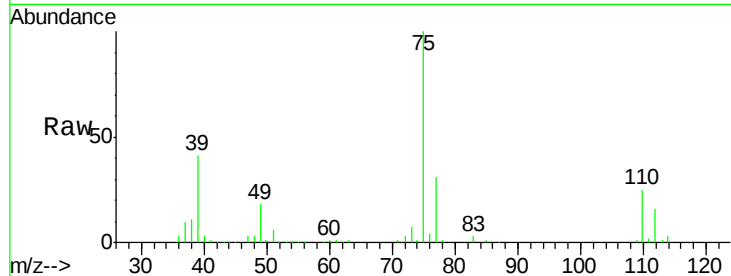
#53
t-1,3-Dichloropropene
Concen: 52.162 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6

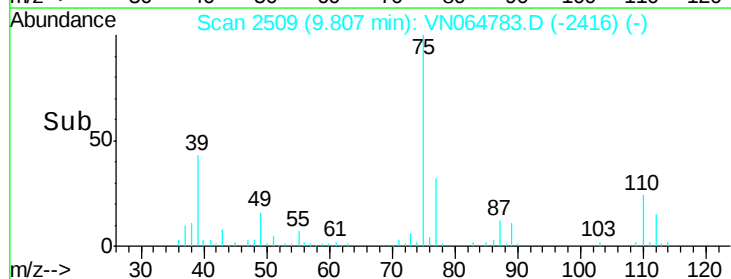
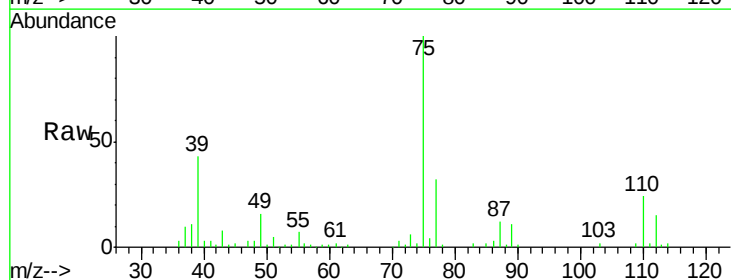
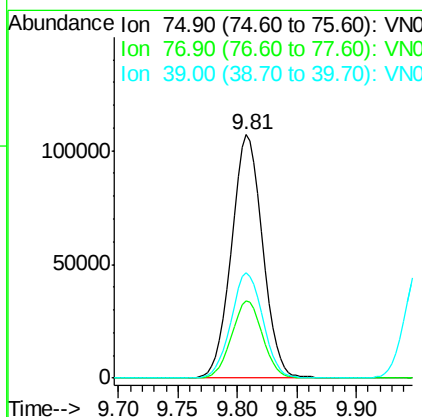
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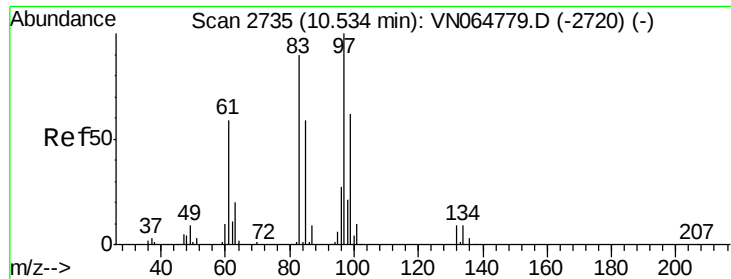
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#54
cis-1,3-Dichloropropene
Concen: 52.894 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	43.2	35.6	53.4





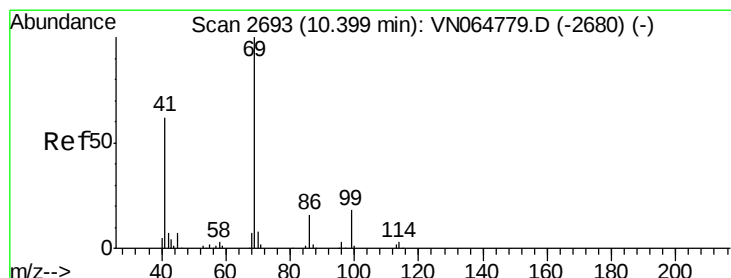
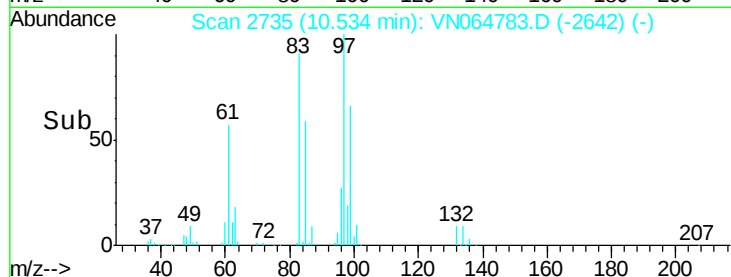
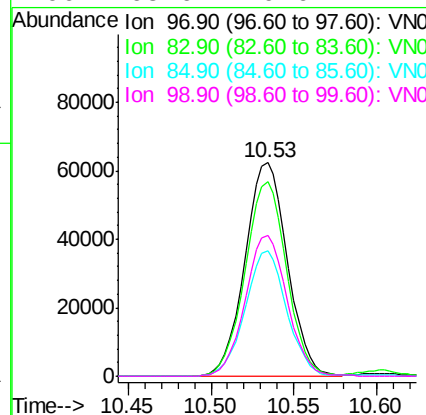
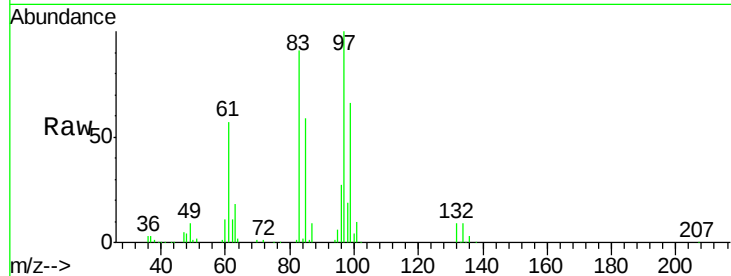
#55
 1,1,2-Trichloroethane
 Concen: 49.278 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion:	97	Resp:	110654
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.1	108.1
85	58.7	46.8	70.2
99	65.6	49.6	74.4

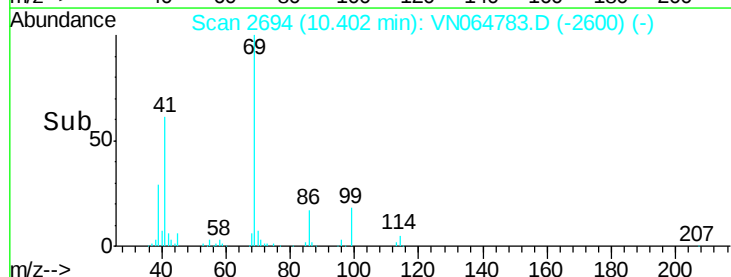
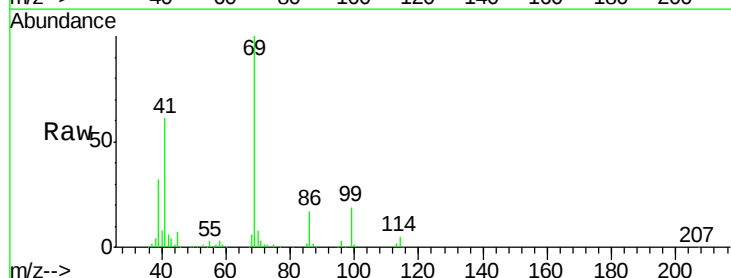
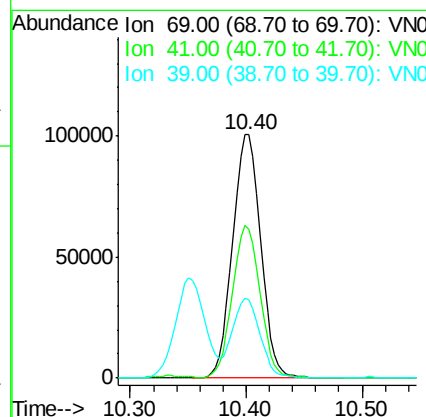
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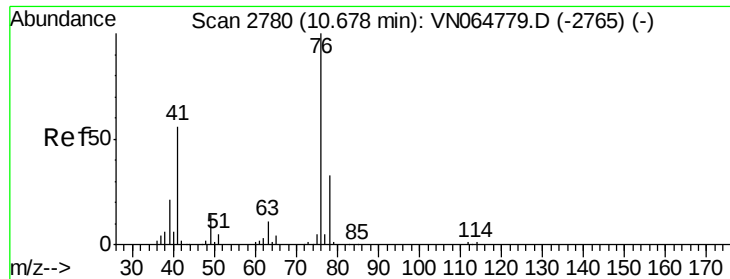
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 11/24/2020 3:01:28 PM



#56
 Ethyl methacrylate
 Concen: 54.499 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion:	69	Resp:	168878
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.4	74.0
39	32.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 50.732 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 76 Resp: 187921

Ion Ratio Lower Upper

76 100

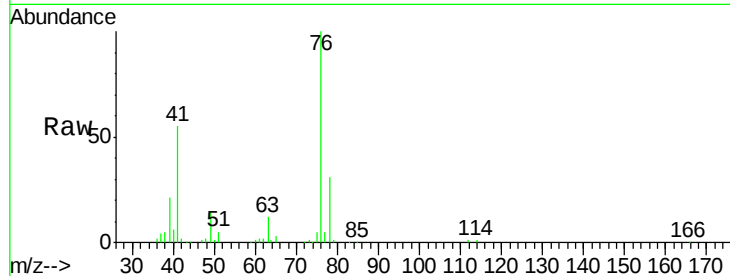
78 32.6 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

120000

100000

80000

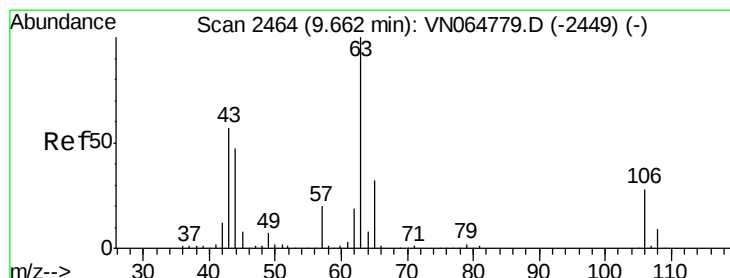
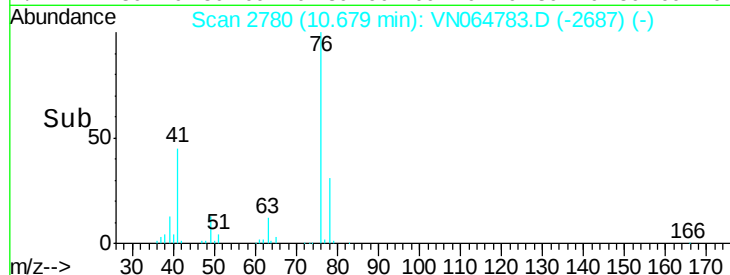
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.001 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064783.D

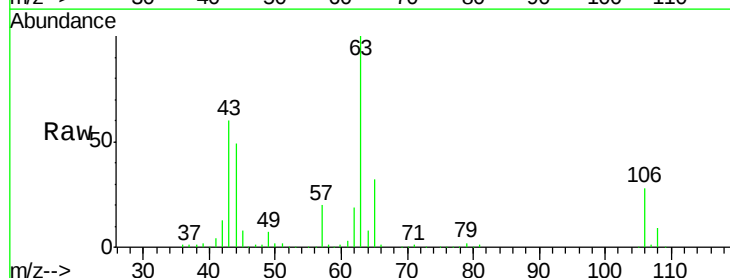
Acq: 23 Nov 2020 14:20

Tgt Ion: 63 Resp: 461927

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

300000

250000

200000

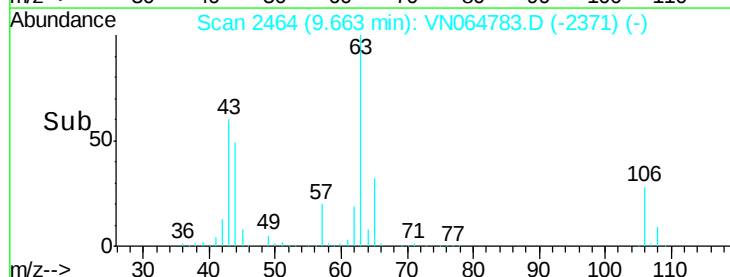
150000

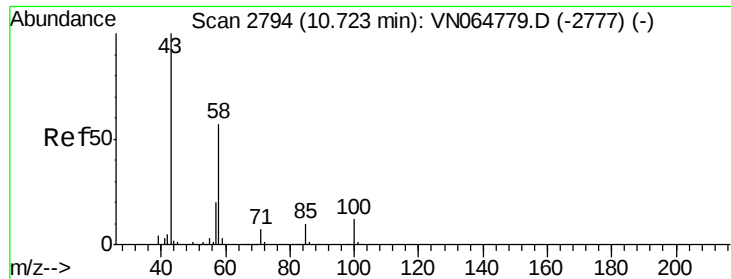
100000

50000

0

Time-->





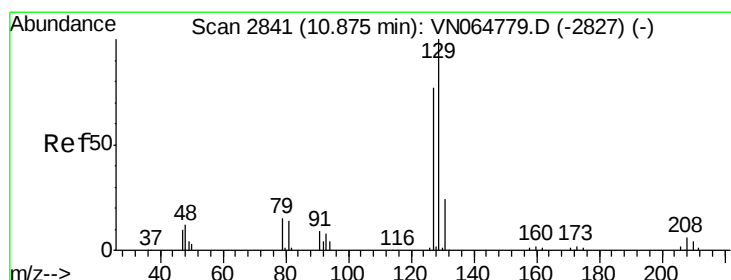
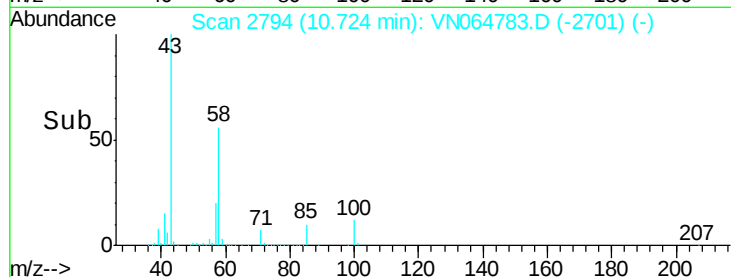
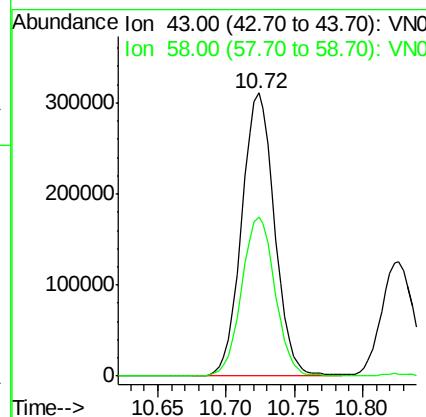
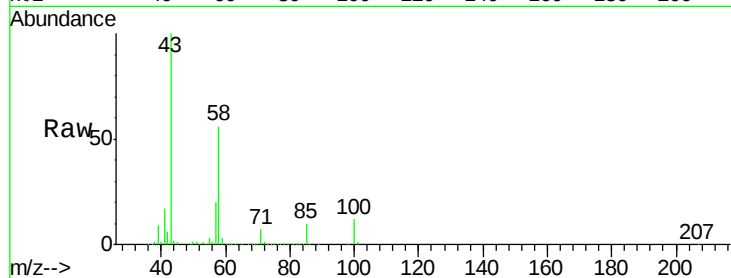
#59
2-Hexanone
Concen: 268.777 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	43	Resp	520858
Ion Ratio	100	Lower	Upper
43	100		
58	56.9	28.3	84.9

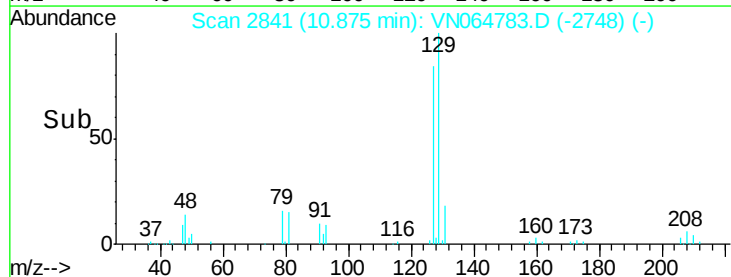
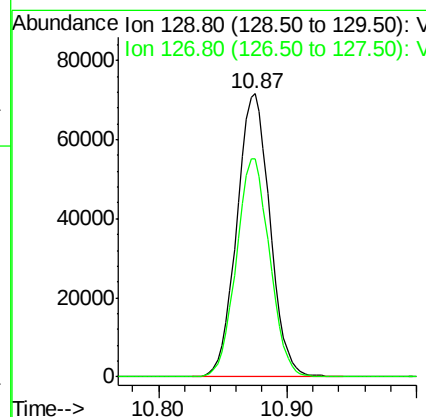
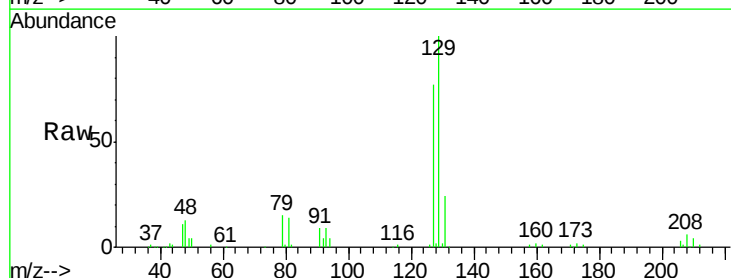
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#60
Dibromochloromethane
Concen: 51.244 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	129	Resp	127908
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	39.1	117.2





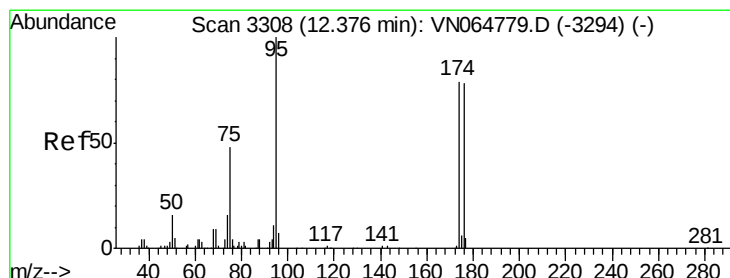
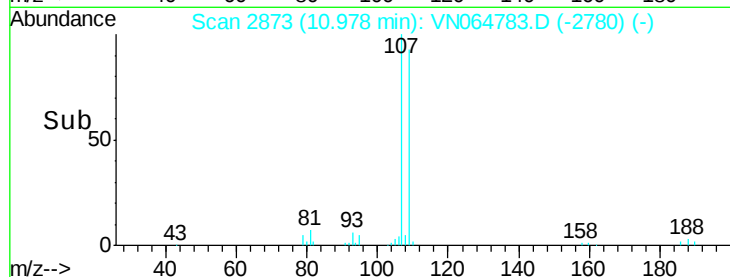
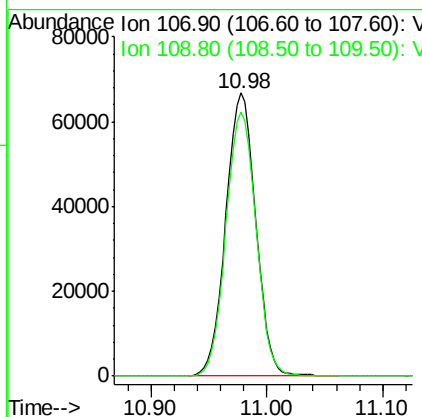
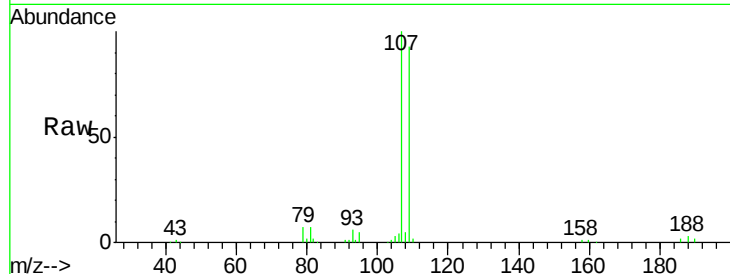
#61
 1,2-Dibromoethane
 Concen: 52.460 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion	Ratio	Resp	Lower	Upper
107	100	119682		
109	93.7	76.0	114.0	

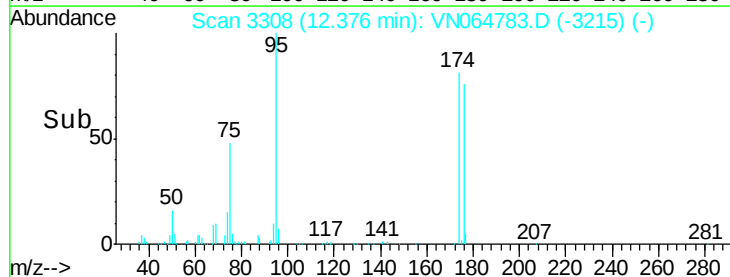
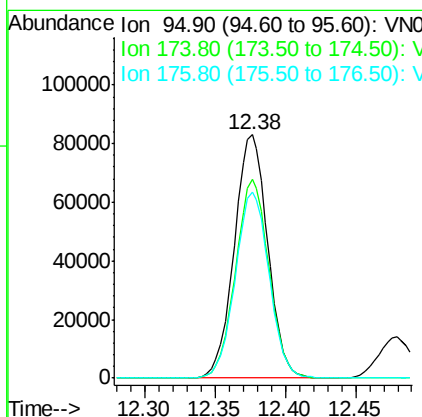
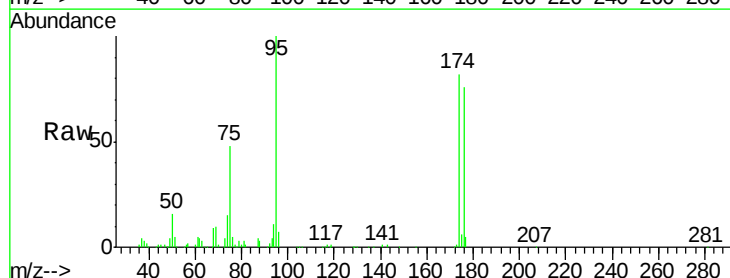
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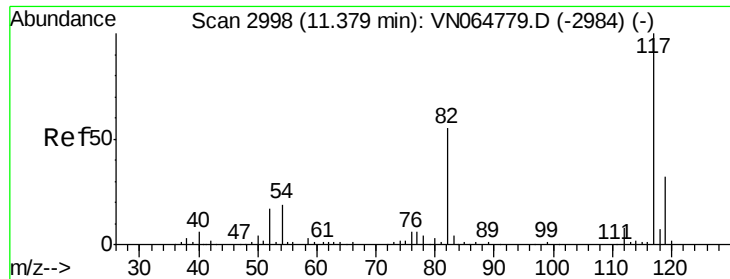
MMDadoda
 11/24/2020 3:01:28 PM



#62
 4-Bromofluorobenzene
 Concen: 50.584 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	138173		
174	81.4	0.0	160.4	
176	77.1	0.0	158.4	





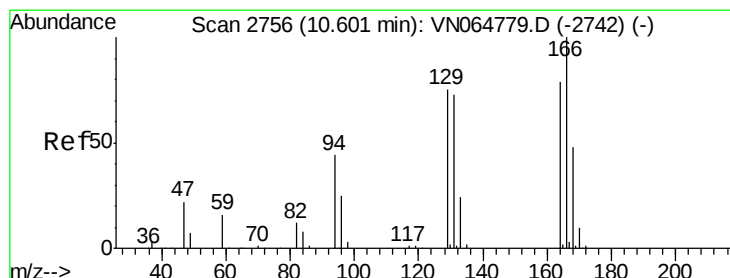
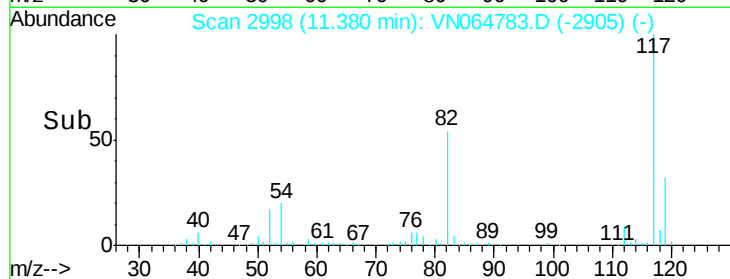
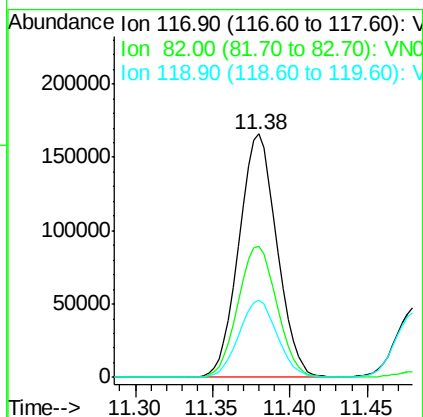
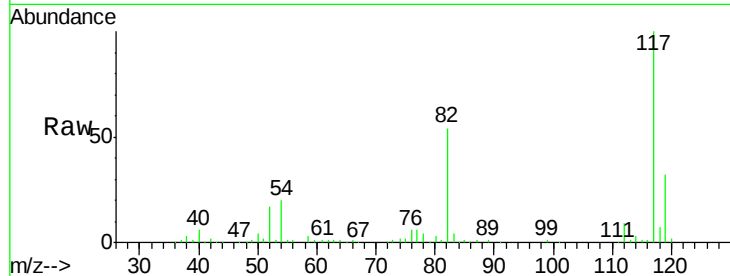
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	31.9	25.8	38.6

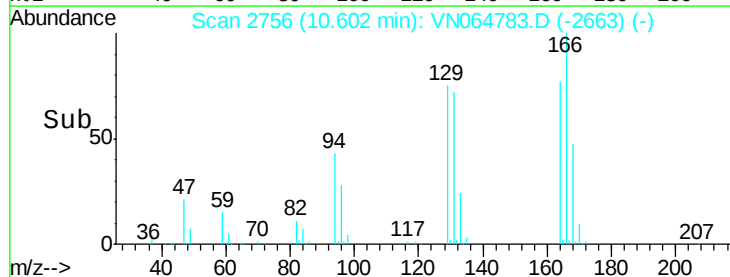
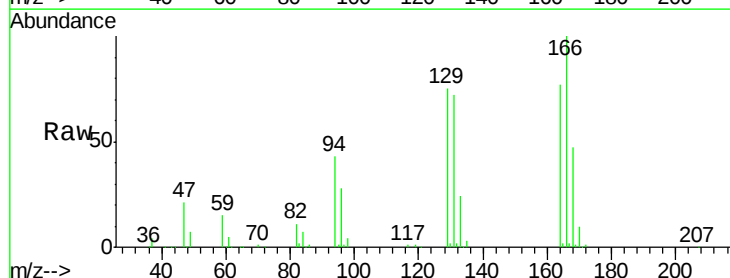
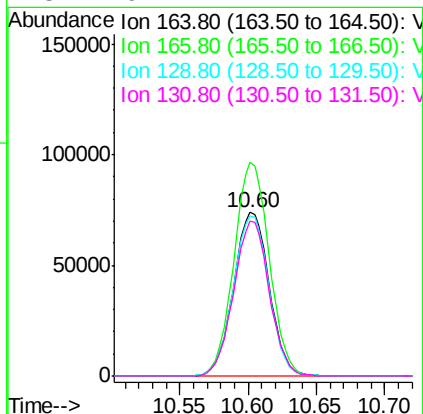
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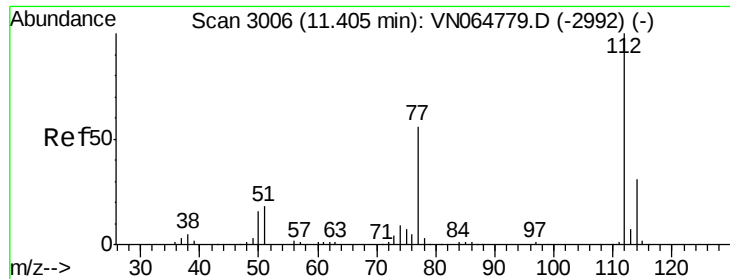
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#64
Tetrachloroethene
Concen: 48.520 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.4	152.0
129	98.2	76.1	114.1
131	94.7	74.2	111.2





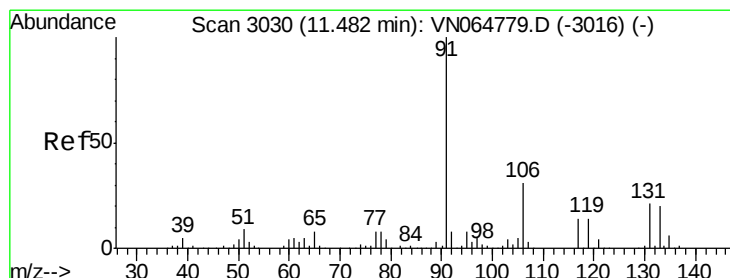
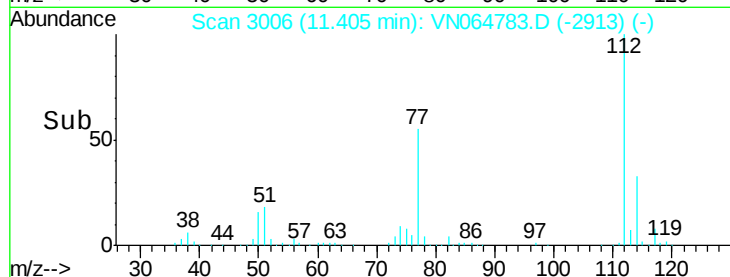
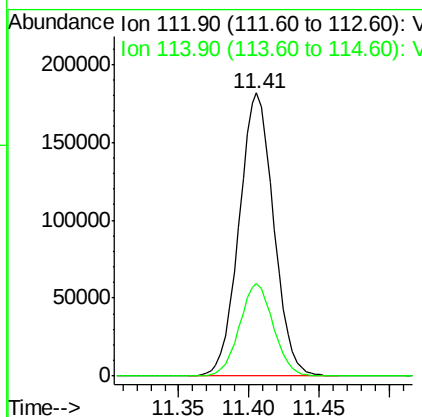
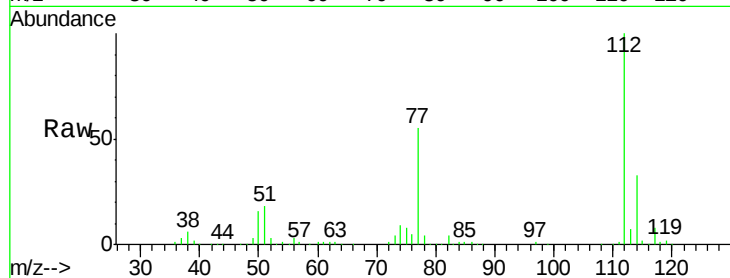
#65
Chlorobenzene
Concen: 51.062 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion:112 Resp: 311698
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7

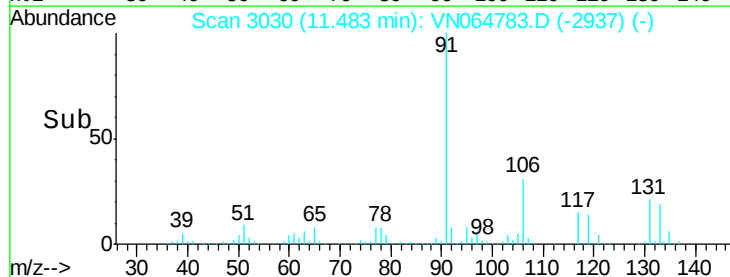
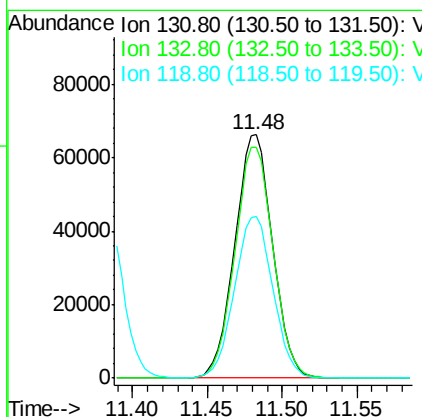
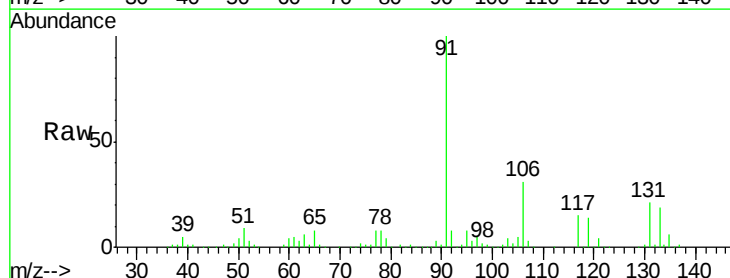
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.900 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion:131 Resp: 116432
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.5
119 67.6 33.3 99.8





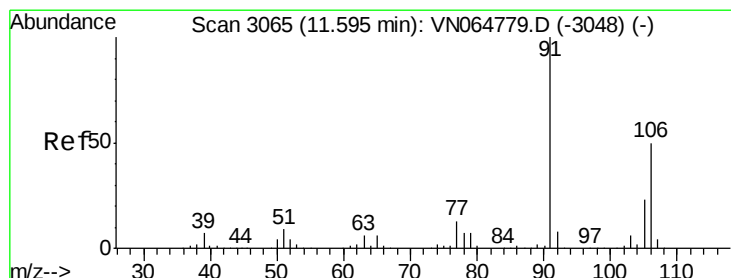
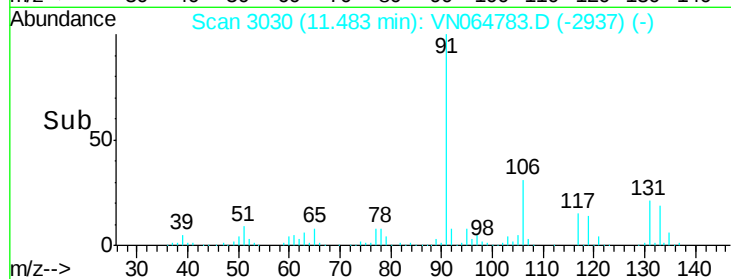
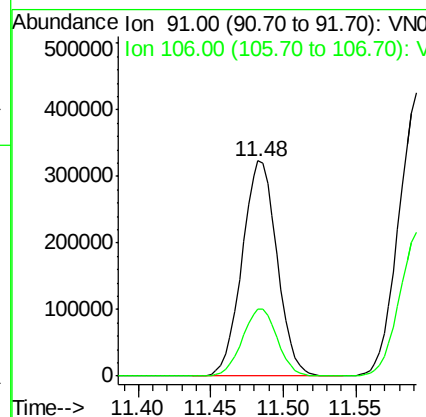
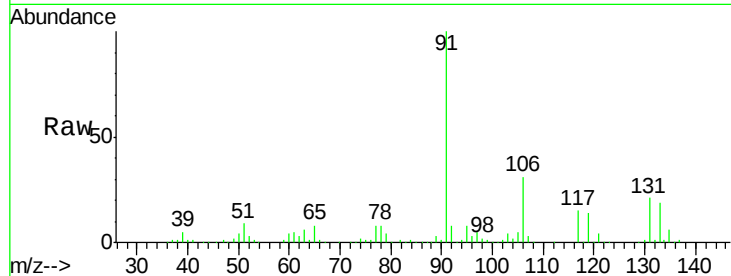
#67
Ethyl Benzene
Concen: 53.076 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion: 91 Resp: 541253
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8

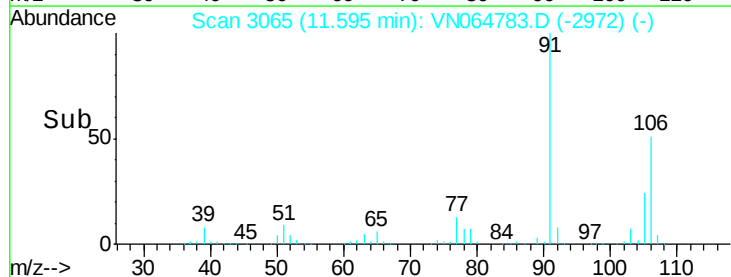
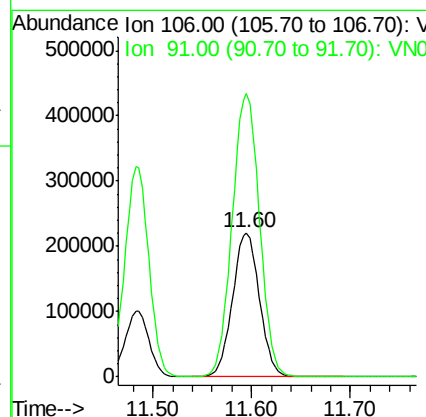
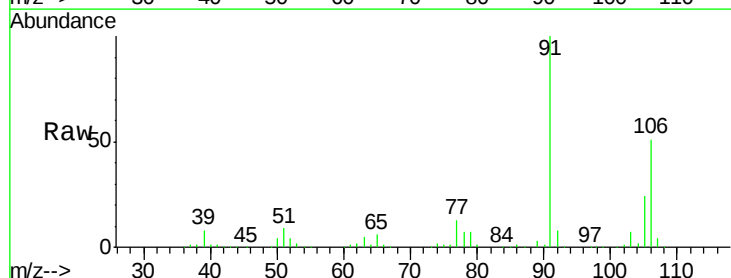
Manual Integrations
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#68
m/p-Xylenes
Concen: 109.054 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion: 106 Resp: 421053
Ion Ratio Lower Upper
106 100
91 200.6 161.0 241.4





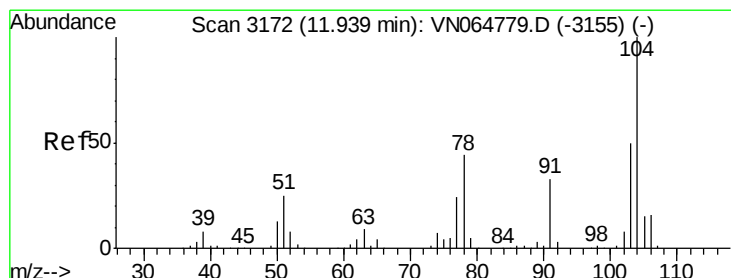
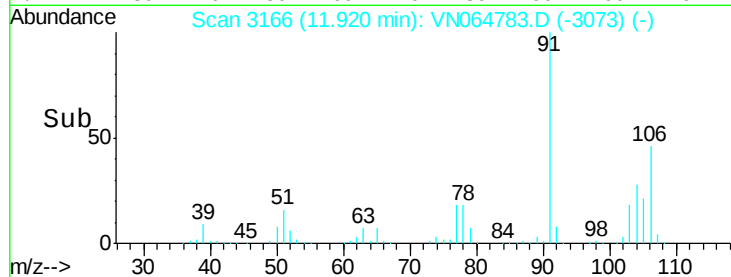
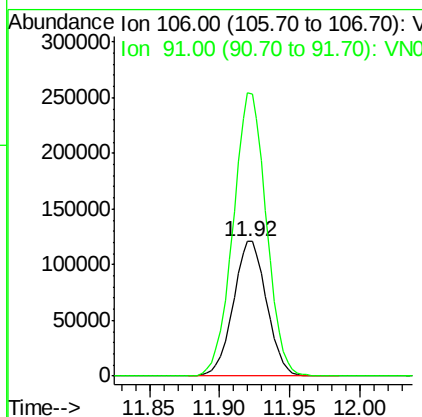
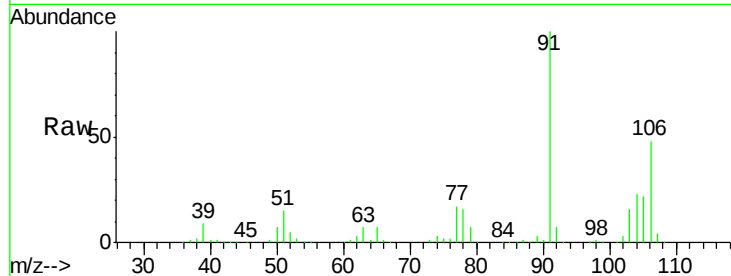
#69
o-Xylene
Concen: 54.702 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		200420		
91	209.3	105.5	316.5		

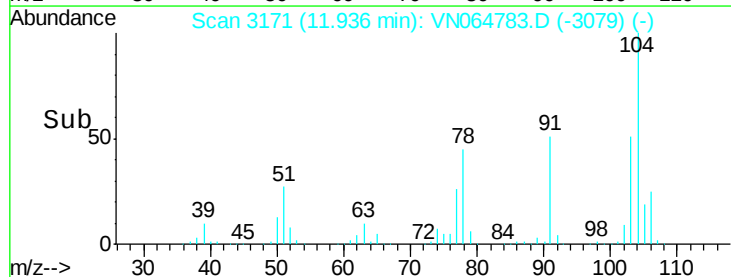
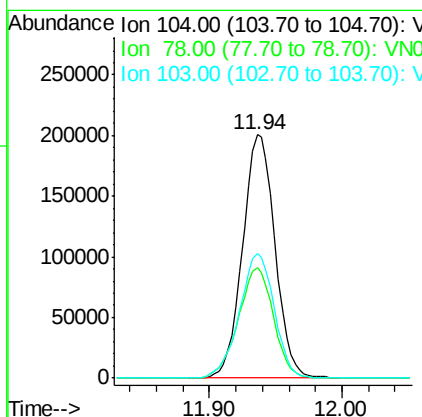
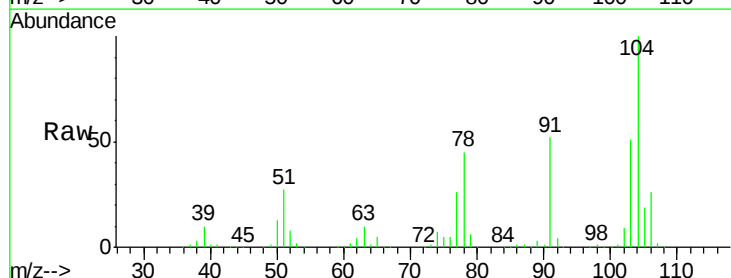
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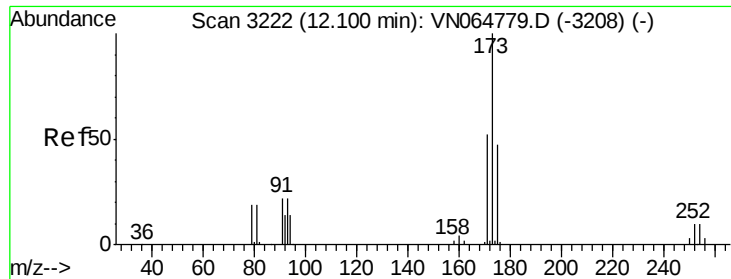
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#70
Styrene
Concen: 55.019 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		340302		
78	49.3	39.0	58.6		
103	54.9	44.3	66.5		





#71

Bromoform

Concen: 51.278 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion:173 Resp: 91880

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

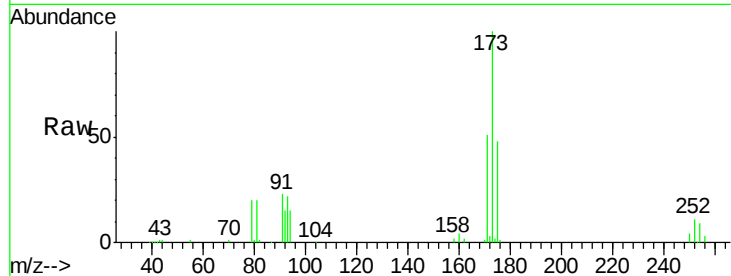
254 0.0 0.0 0.0

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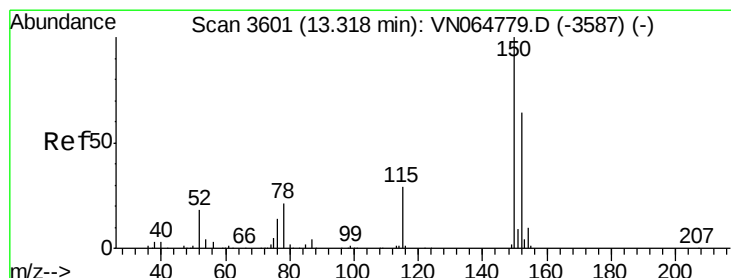
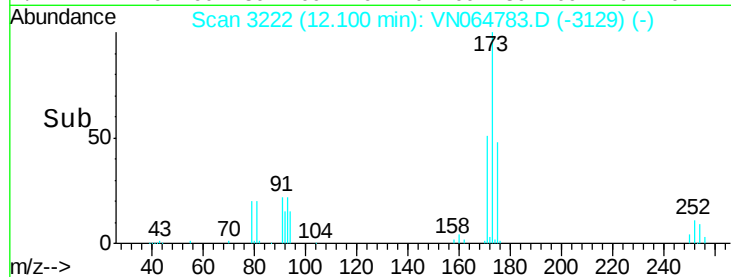
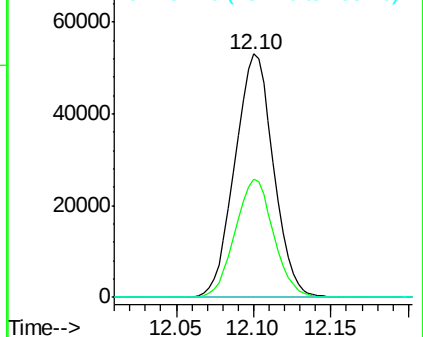
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3601

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

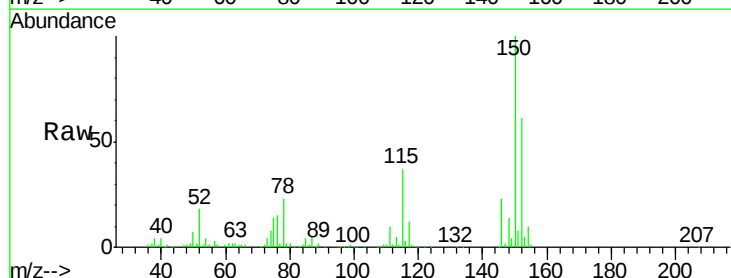
Tgt Ion:152 Resp: 143819

Ion Ratio Lower Upper

152 100

115 59.8 29.7 89.1

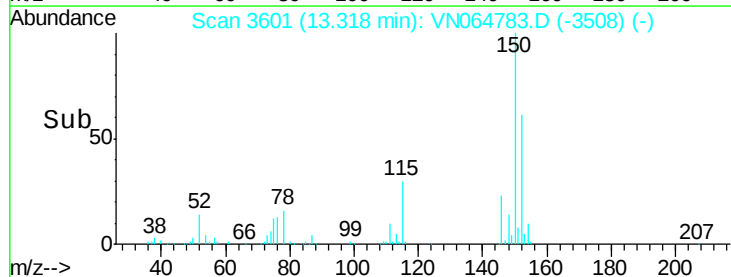
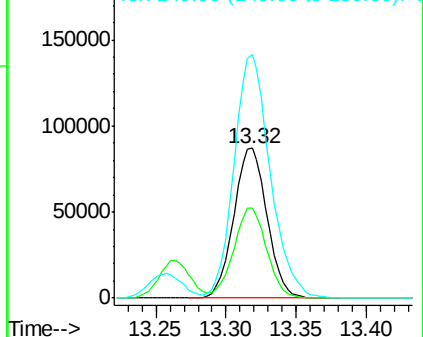
150 175.8 0.0 350.6

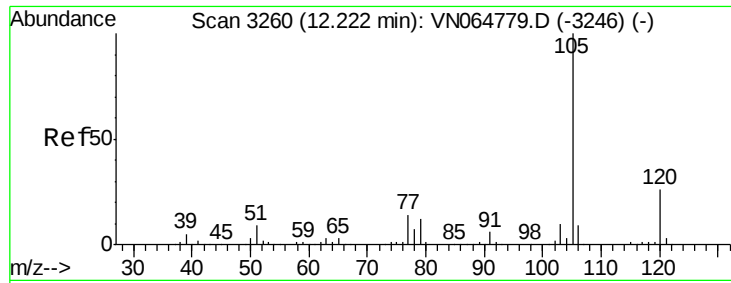


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.779 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 105 Resp: 527980

Ion Ratio Lower Upper

105 100

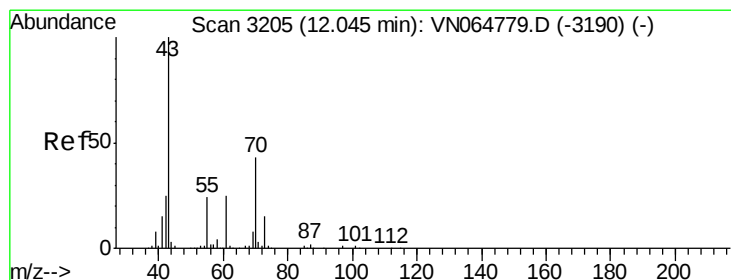
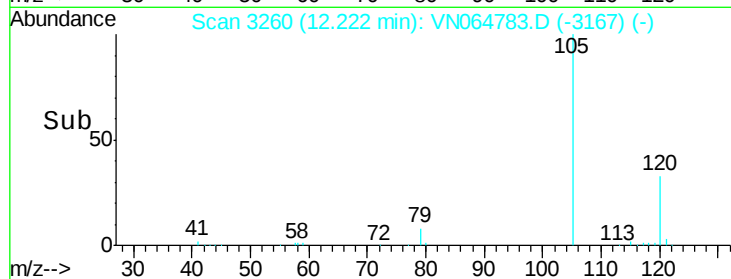
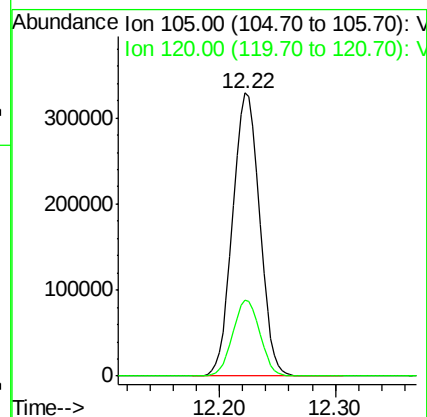
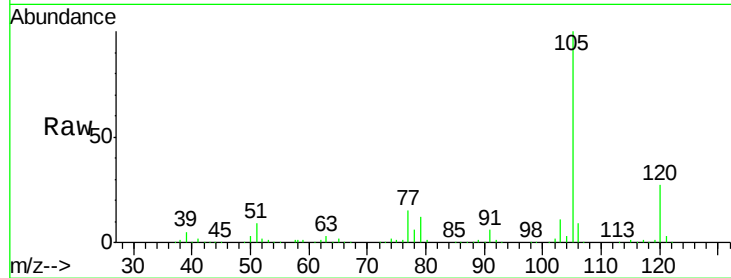
120 26.9 13.3 39.9

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#74

N-ethyl acetate

Concen: 53.152 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion: 43 Resp: 209249

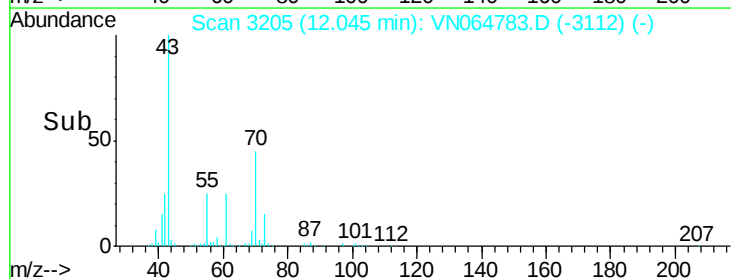
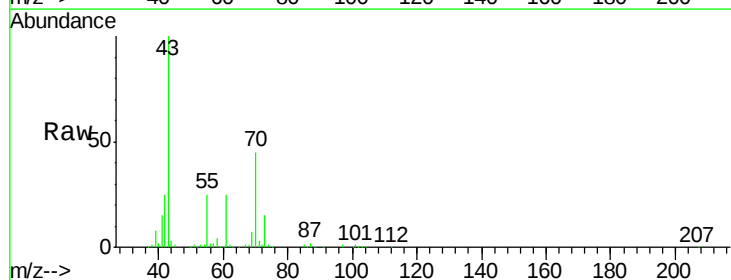
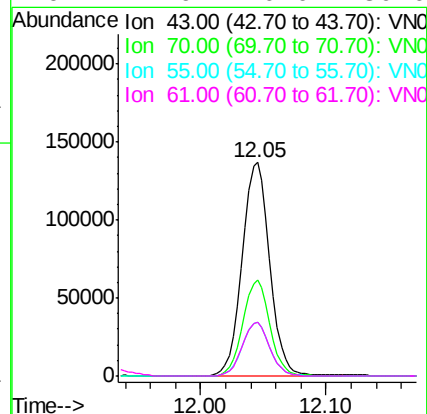
Ion Ratio Lower Upper

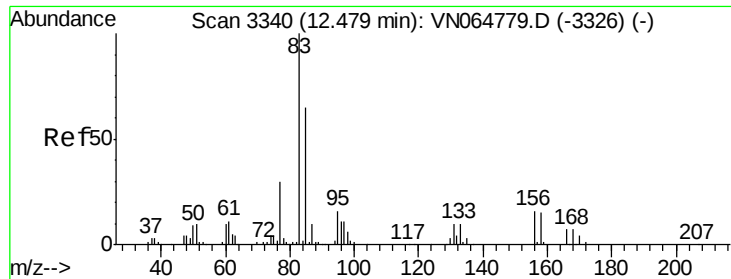
43 100

70 44.1 34.5 51.7

55 25.1 20.4 30.6

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.258 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 83 Resp: 147360

Ion Ratio Lower Upper

83 100

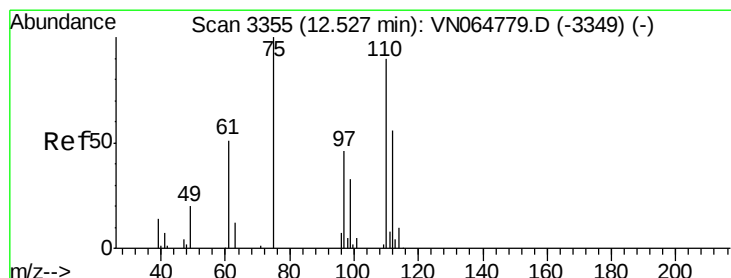
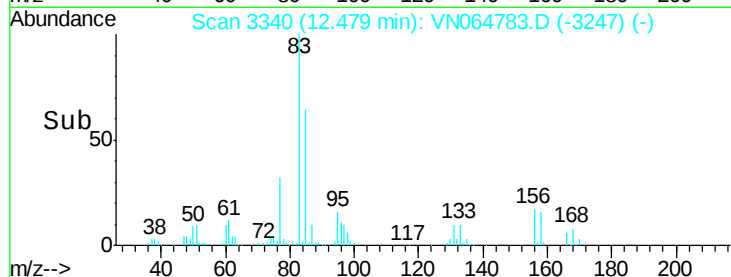
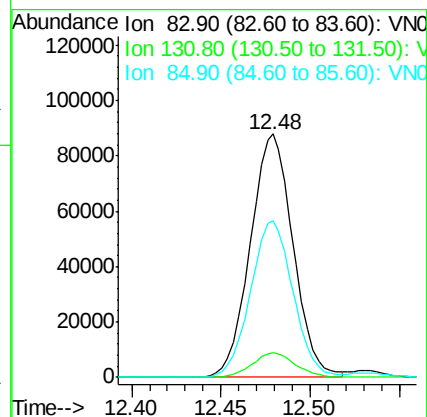
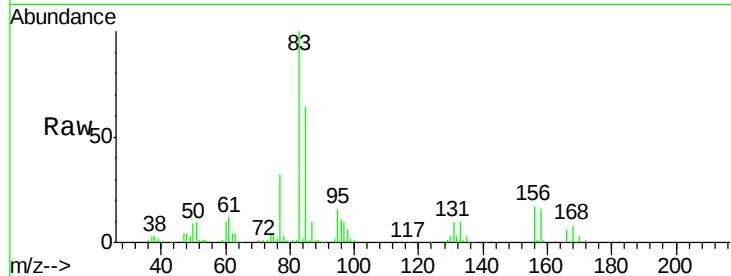
131 10.2 5.1 15.3

85 63.7 33.0 99.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.448 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064783.D

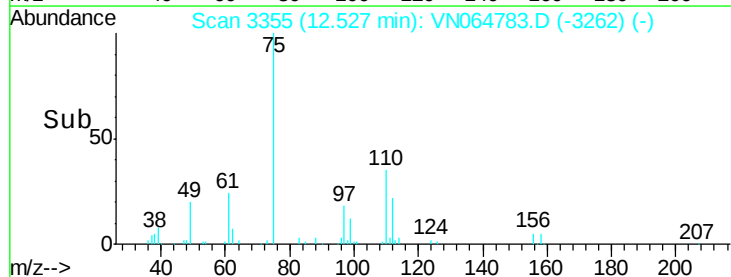
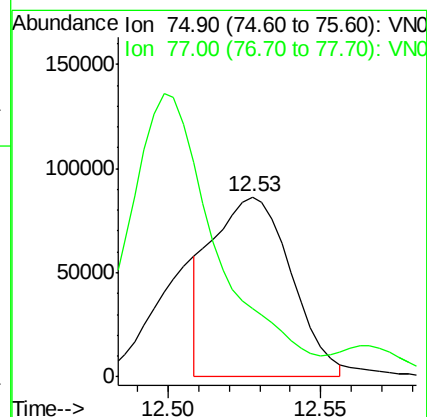
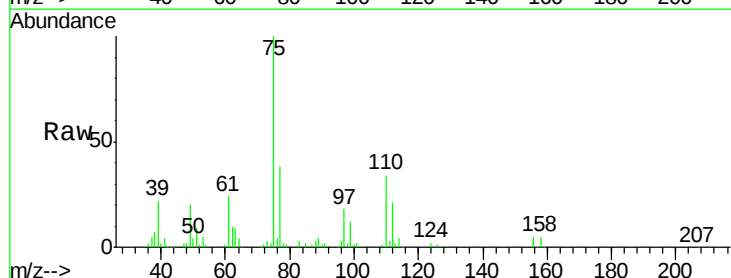
Acq: 23 Nov 2020 14:20

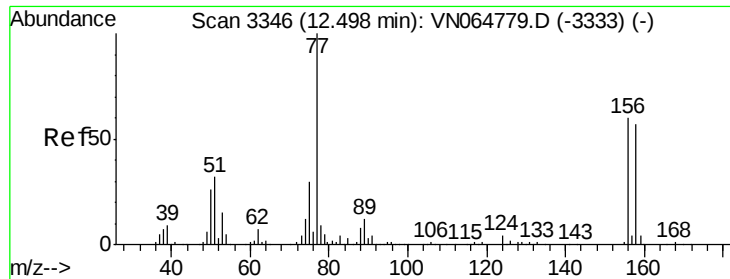
Tgt Ion: 75 Resp: 156251

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.224 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

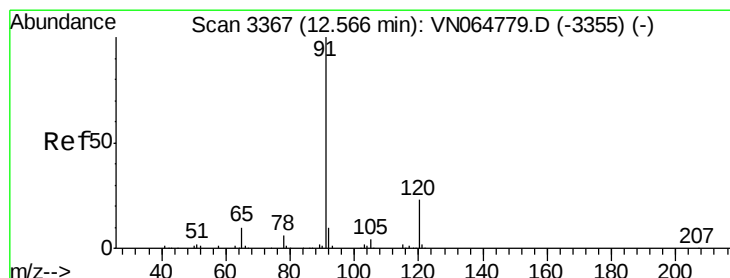
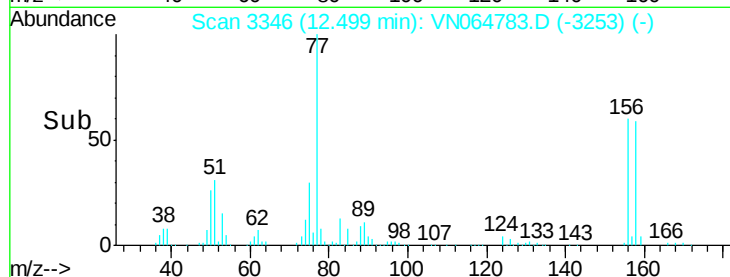
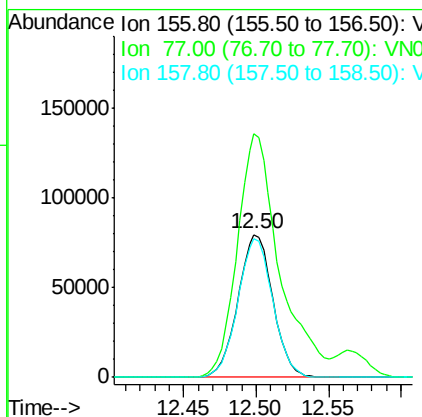
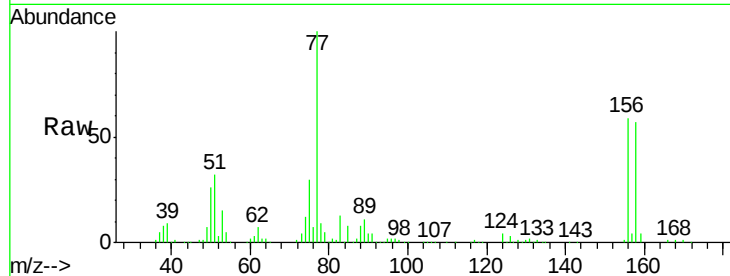
ClientSampleId :

ICVVN112320

Tot Ion:	156	Resp:	132755
Ion Ratio	Lower	Upper	
156	100		
77	207.3	101.3	303.7
158	97.6	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.565 ug/l

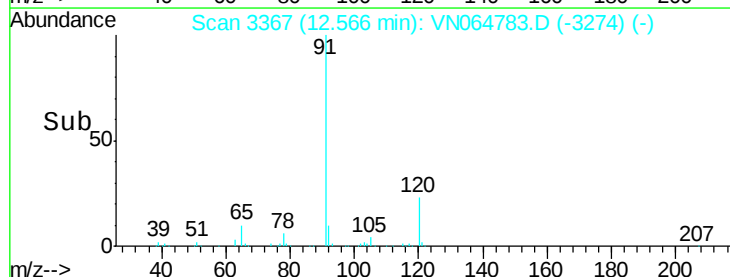
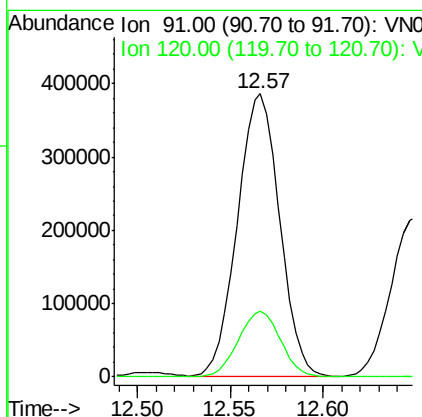
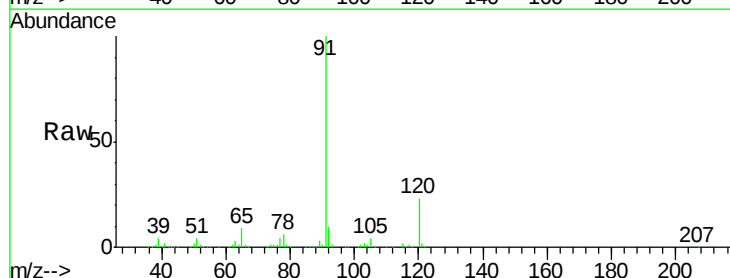
RT: 12.57 min Scan# 3367

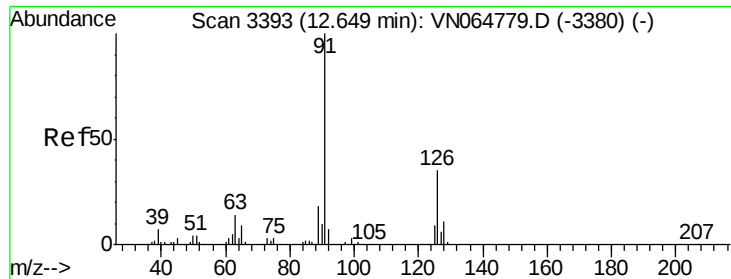
Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	91	Resp:	610432
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.709 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion: 91 Resp: 357216

Ion Ratio Lower Upper

91 100

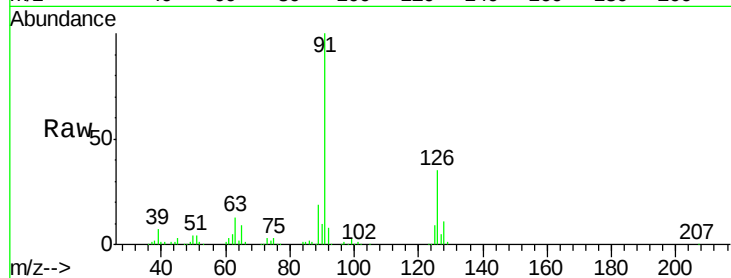
126 34.7 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)

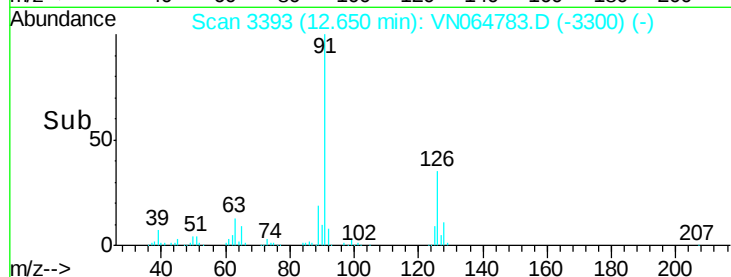
300000

200000

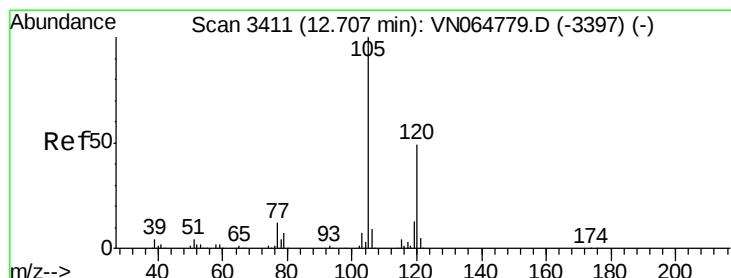
100000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.033 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064783.D

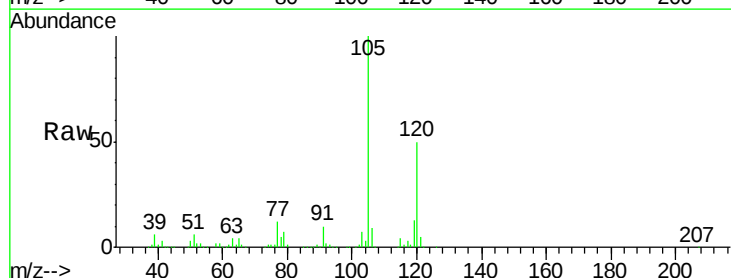
Acq: 23 Nov 2020 14:20

Tgt Ion: 105 Resp: 449280

Ion Ratio Lower Upper

105 100

120 50.0 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

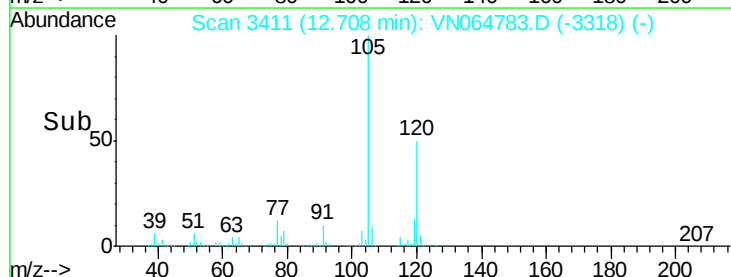
300000

200000

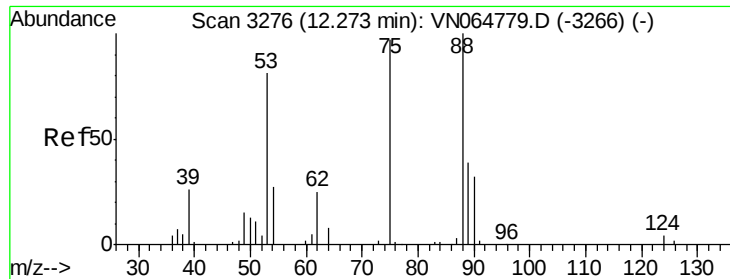
100000

0

12.70 12.80



Time-->



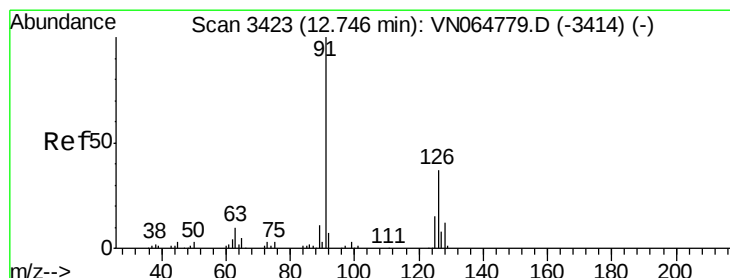
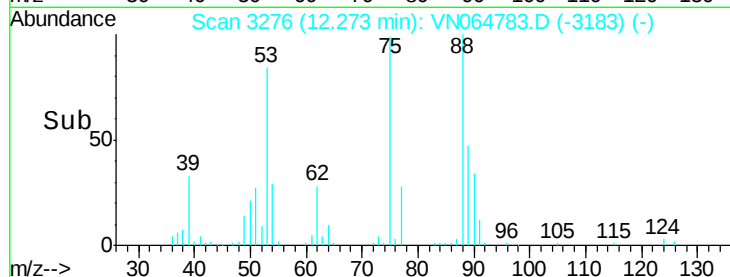
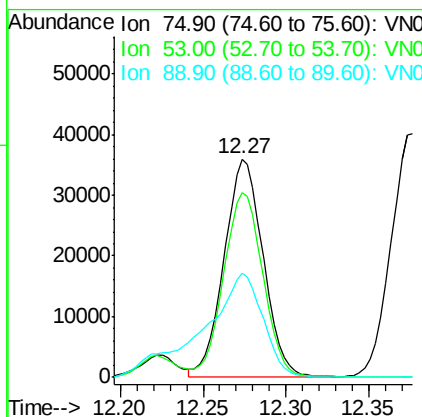
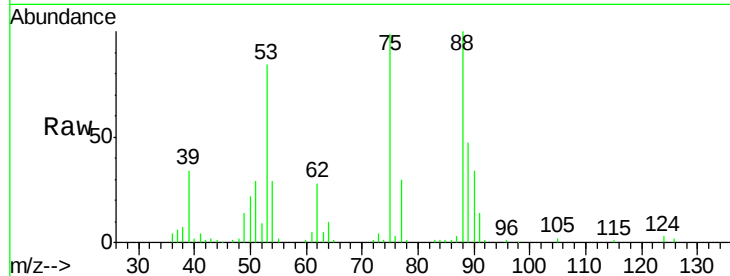
#81
trans-1,4-Dichloro-2-butene
Concen: 52.113 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.5	67.0	100.4
89	74.1	39.6	59.4

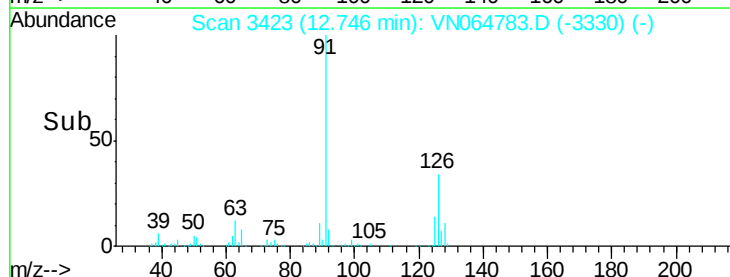
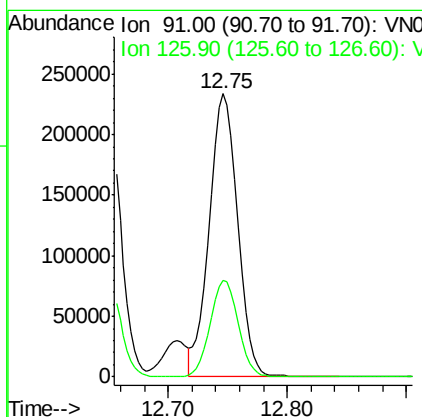
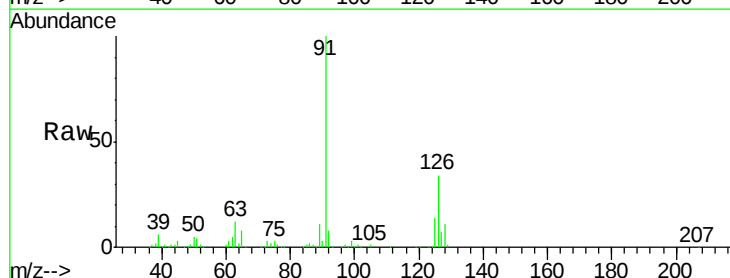
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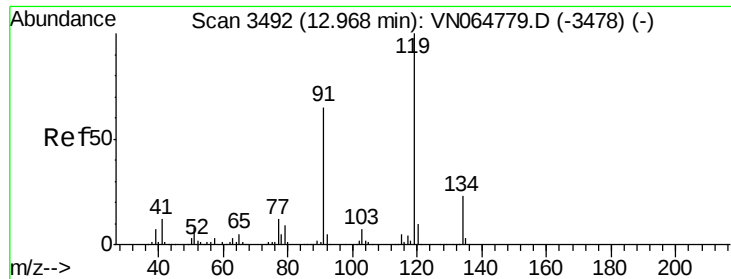
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#82
4-Chlorotoluene
Concen: 52.193 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.7





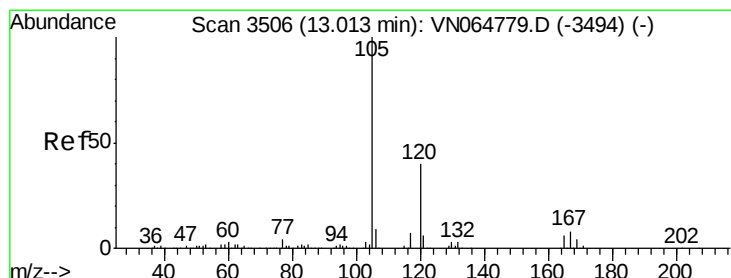
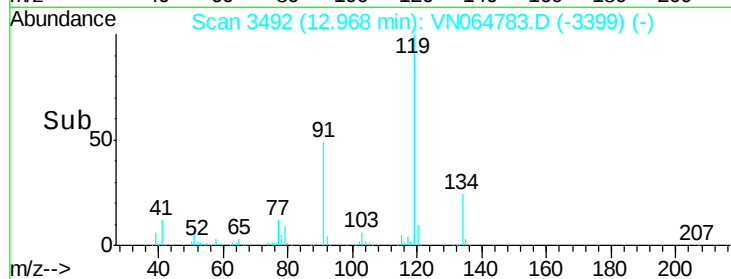
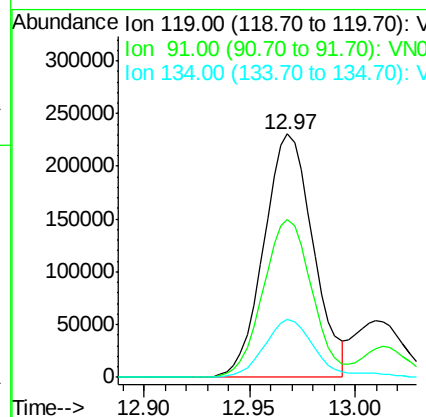
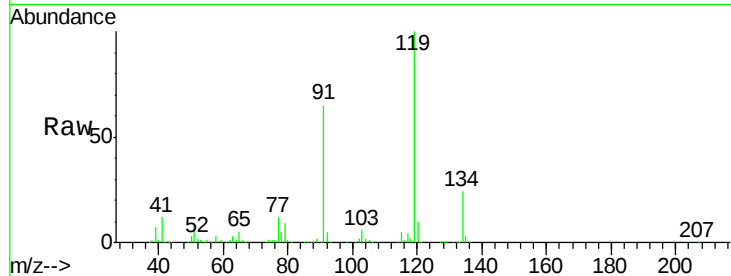
#83
 tert-Butylbenzene
 Concen: 53.842 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion	Ratio	Resp	Lower	Upper
119	100	375258		
91	64.4		32.3	96.8
134	24.8		12.6	37.6

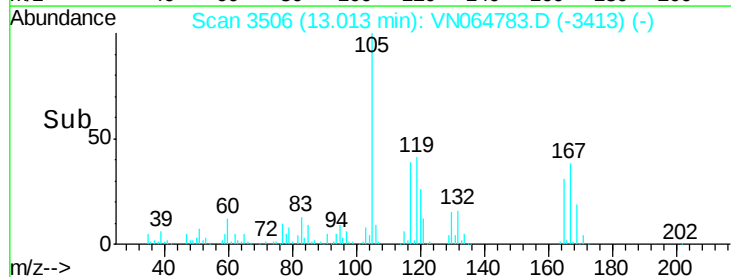
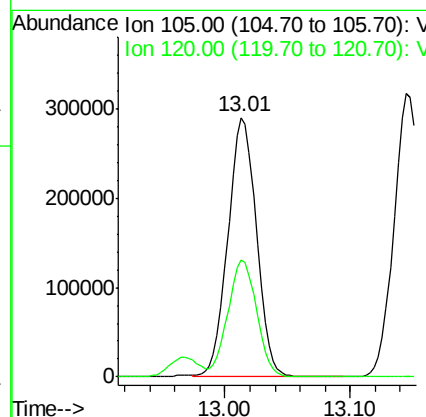
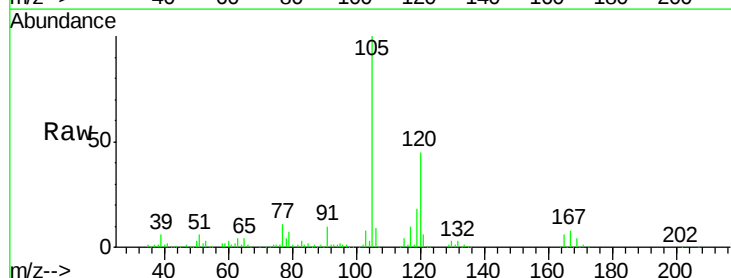
Manual Integrations
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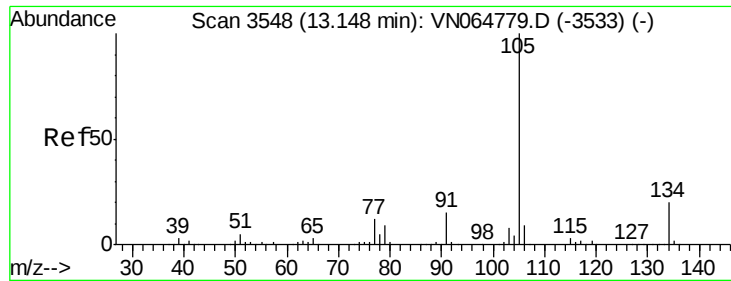
MMDadoda
 11/24/2020 3:01:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.262 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	456178		
120	46.0		23.1	69.2





#85

sec-Butylbenzene

Concen: 53.696 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112320

Tot Ion:105 Resp: 496884

Ion Ratio Lower Upper

105 100

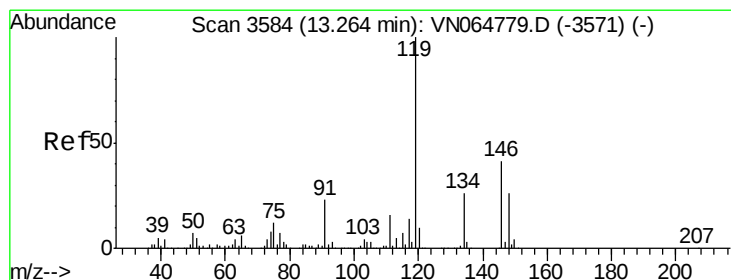
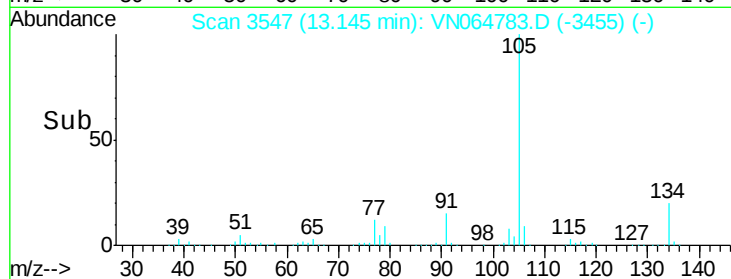
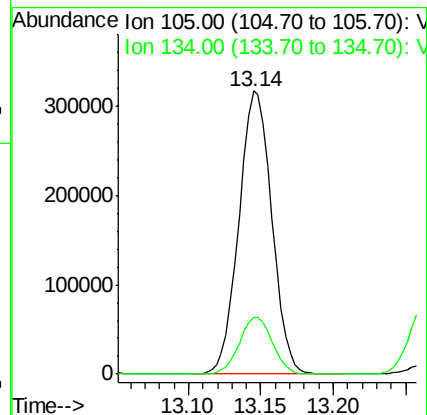
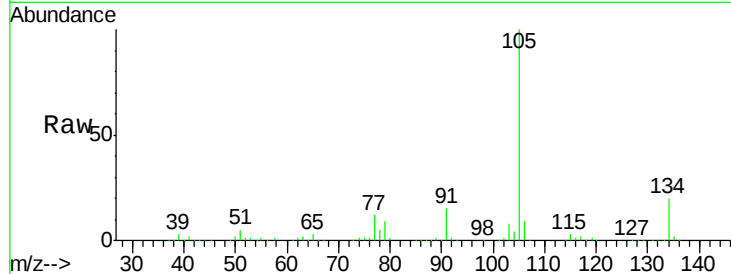
134 20.2 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.155 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

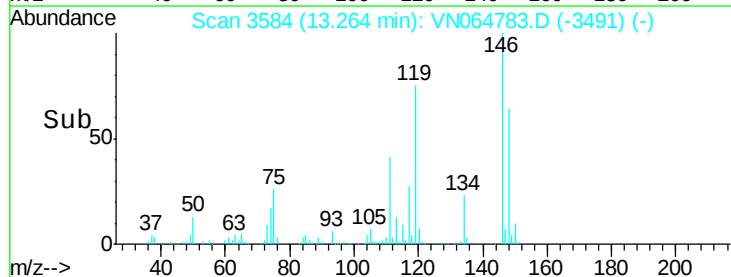
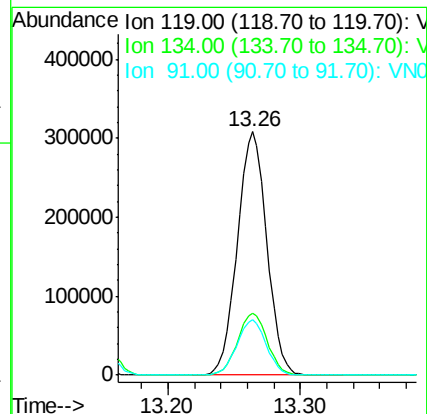
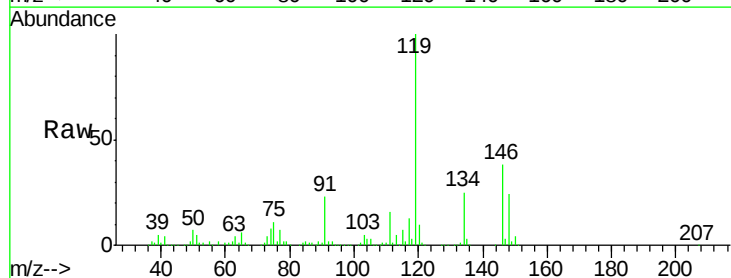
Tgt Ion:119 Resp: 473095

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 22.6 11.5 34.5





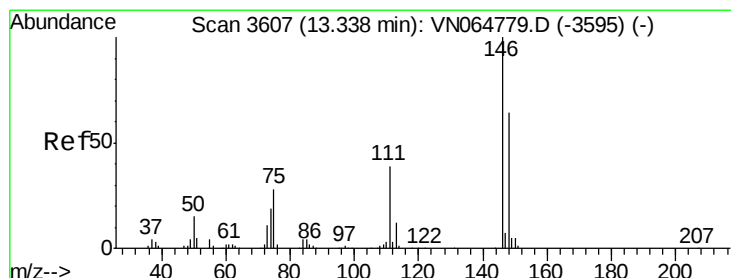
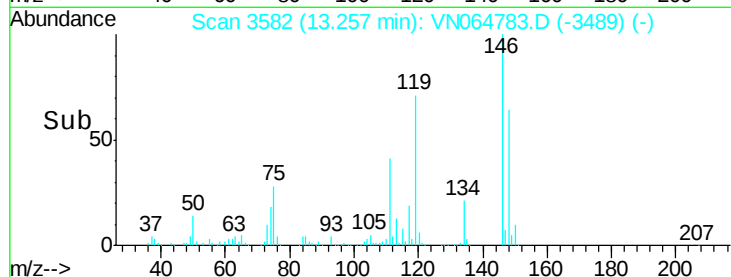
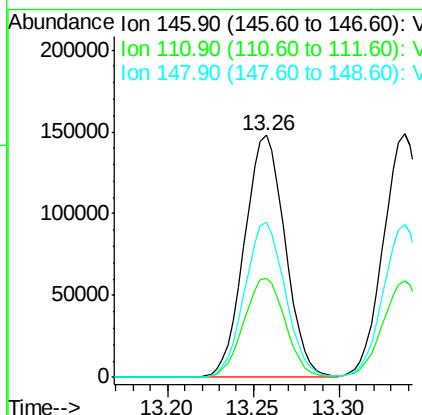
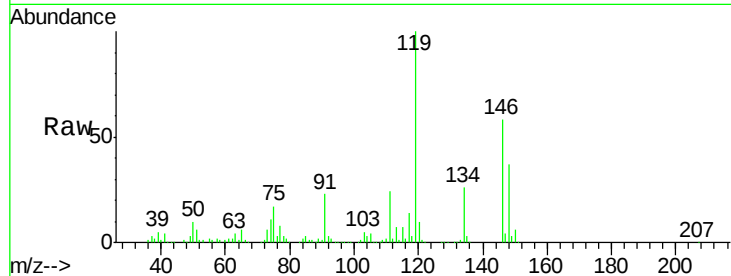
#87
 1,3-Dichlorobenzene
 Concen: 50.709 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.9
148	64.0	31.9	95.5

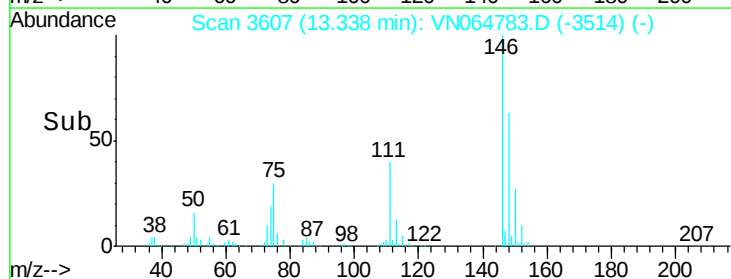
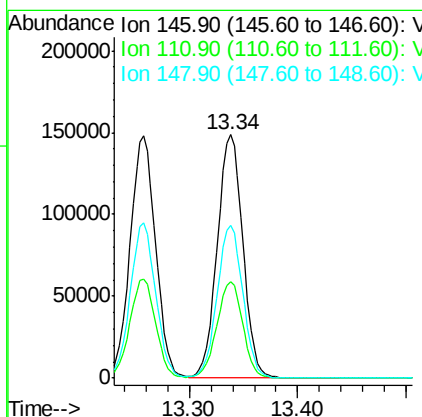
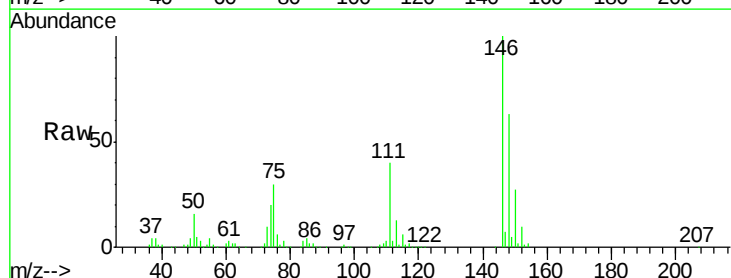
Manual Integrations
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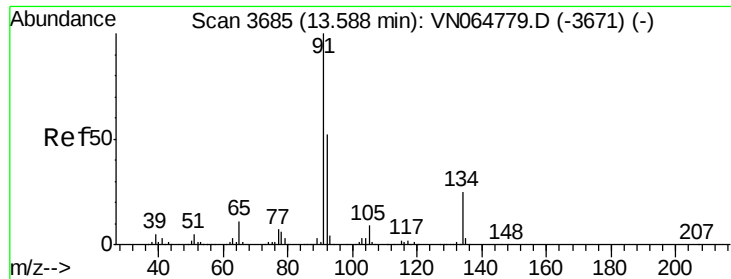
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#88
 1,4-Dichlorobenzene
 Concen: 48.460 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	62.5	31.9	95.5





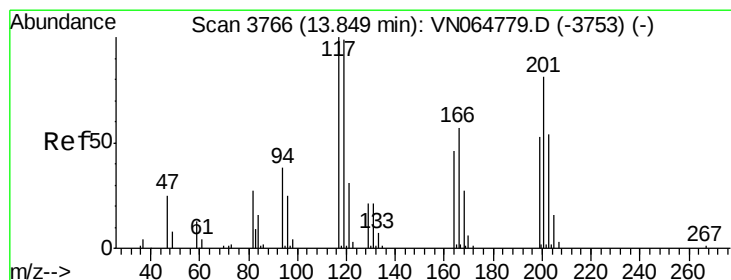
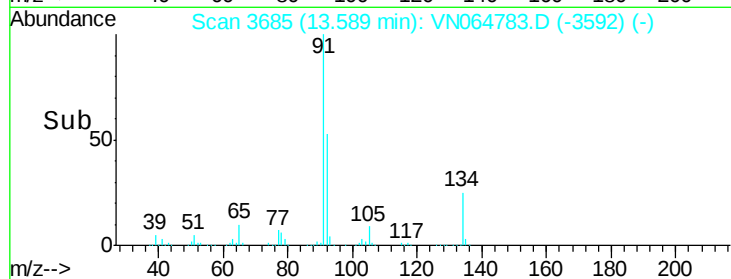
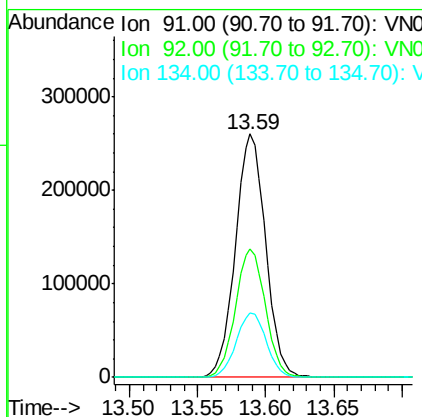
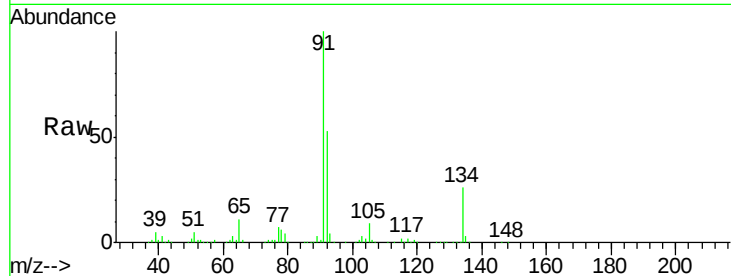
#89
n-Butylbenzene
Concen: 54.122 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112320

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.5	12.9	38.6

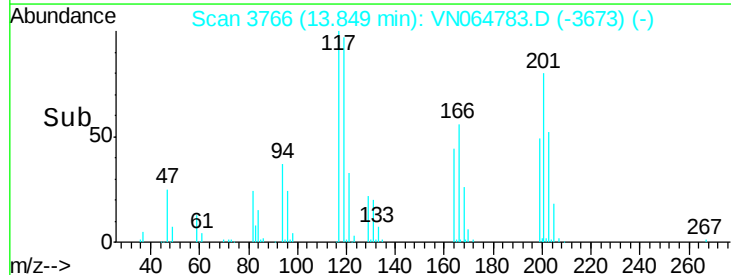
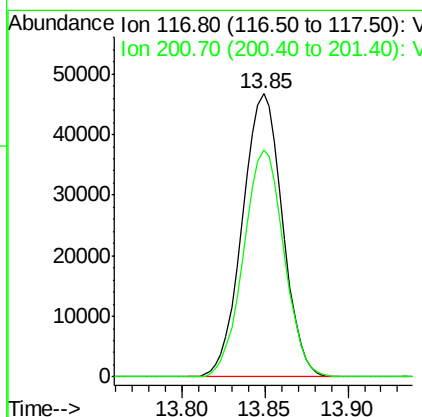
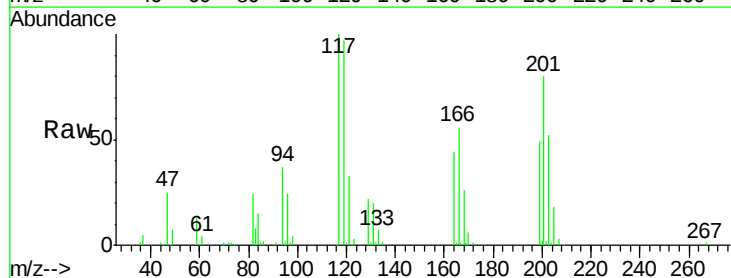
Manual Integrations
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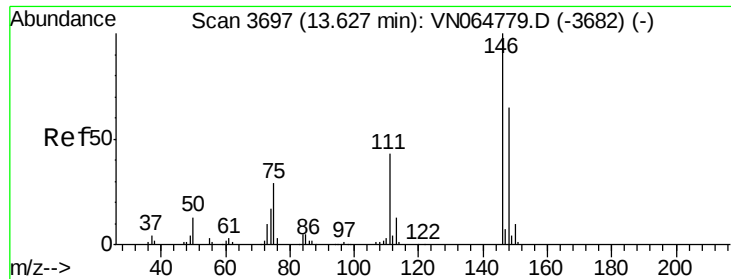
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#90
Hexachloroethane
Concen: 53.664 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064783.D
Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.1	120.3





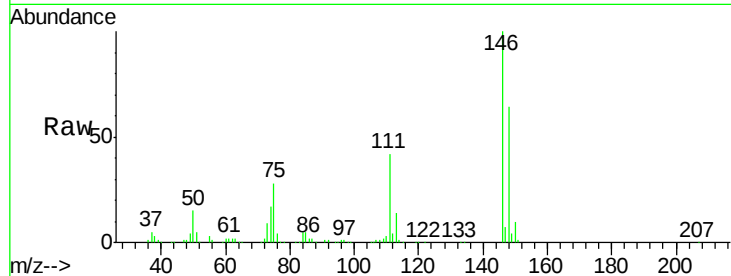
#91
 1,2-Dichlorobenzene
 Concen: 49.911 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

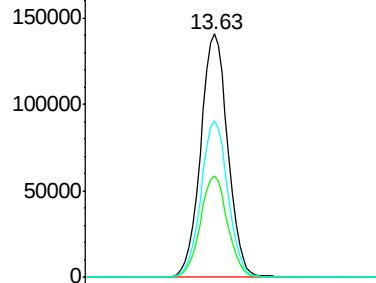
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	64.1	32.0	96.2

Manual Integrations
 APPROVED

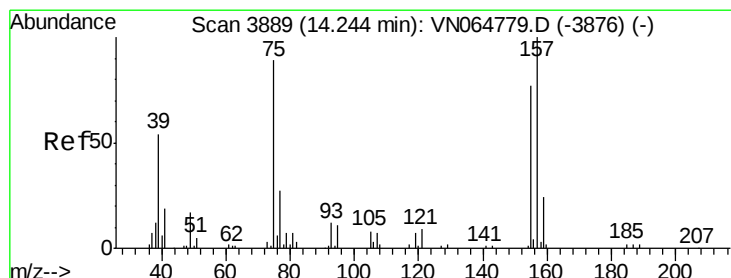
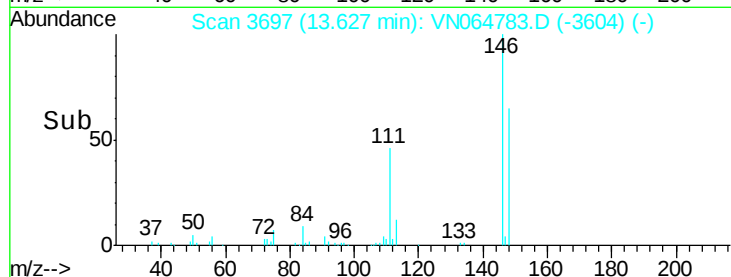
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Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

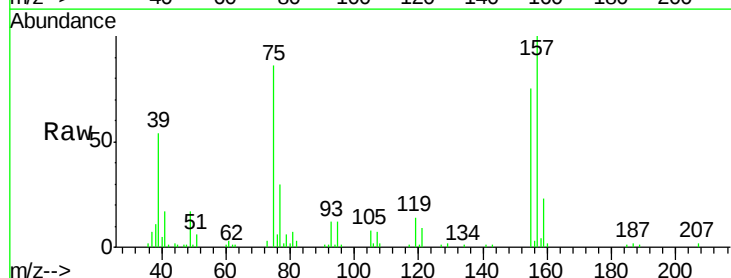


Time-->

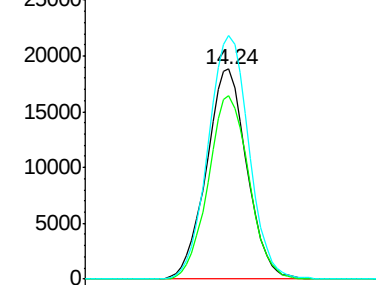


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.345 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

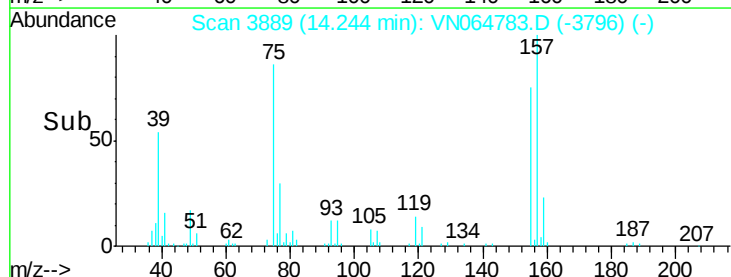
Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	42.8	128.3
157	116.8	56.4	169.1

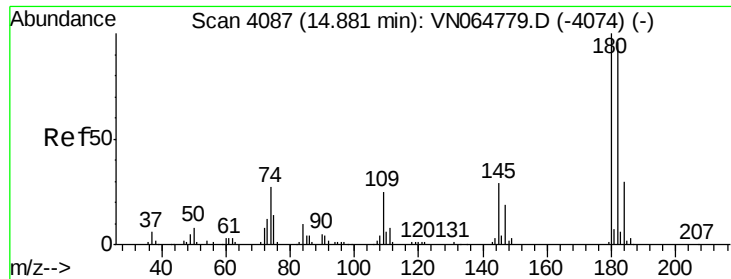


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



Time-->





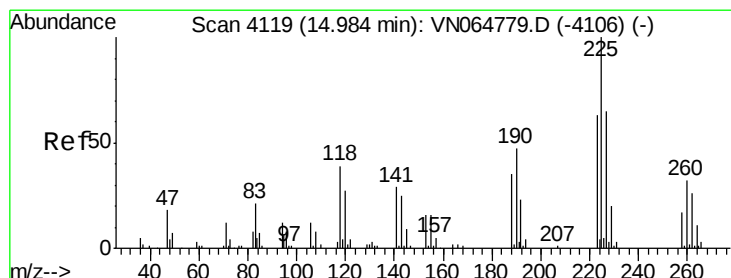
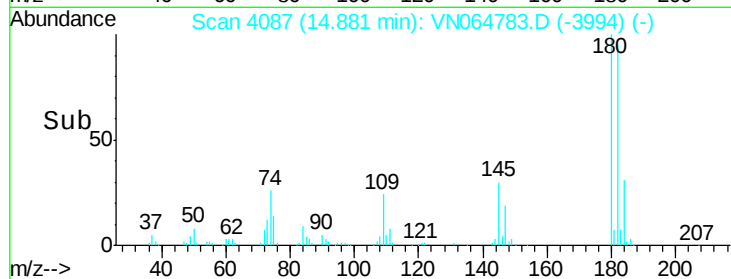
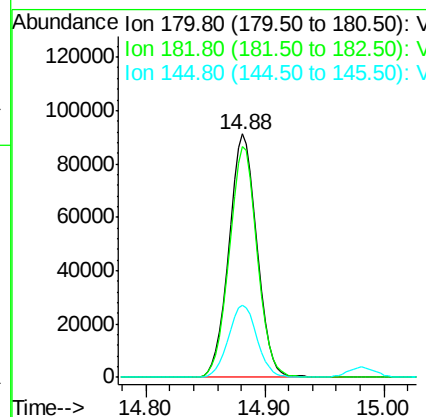
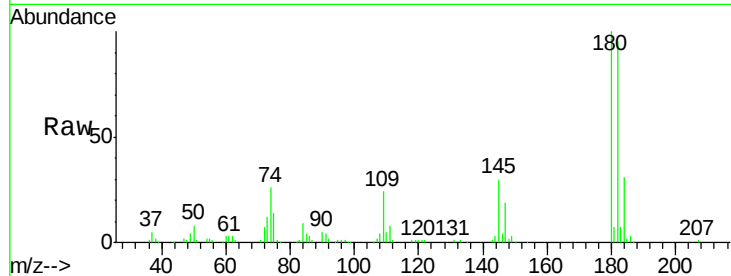
#93
 1,2,4-Trichlorobenzene
 Concen: 50.929 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.9
145	30.5	15.3	45.8

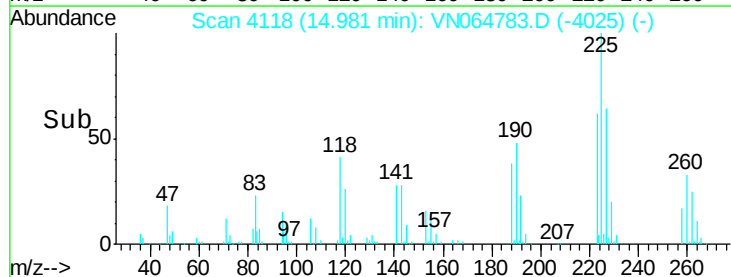
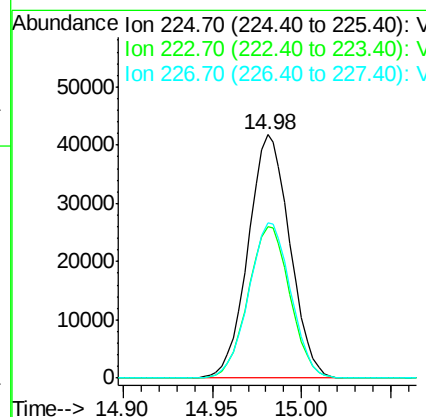
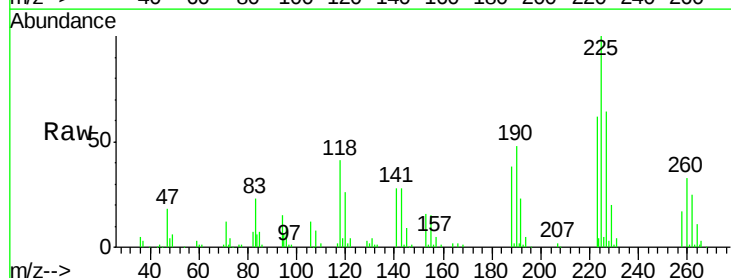
Manual Integrations
 APPROVED

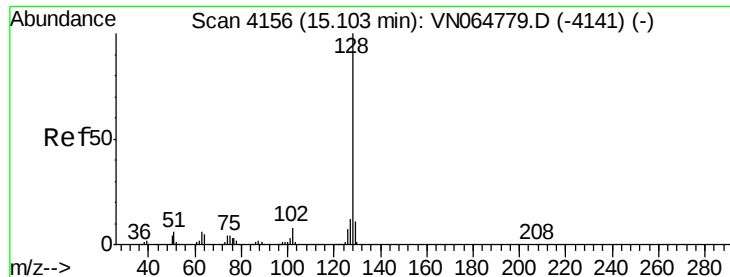
MMDadoda
 11/24/2020 3:01:28 PM



#94
 Hexachlorobutadiene
 Concen: 52.128 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064783.D
 Acq: 23 Nov 2020 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.0	93.0
227	64.3	32.0	96.0





#95

Naphthalene

Concen: 51.413 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Instrument :

MSVOA_N

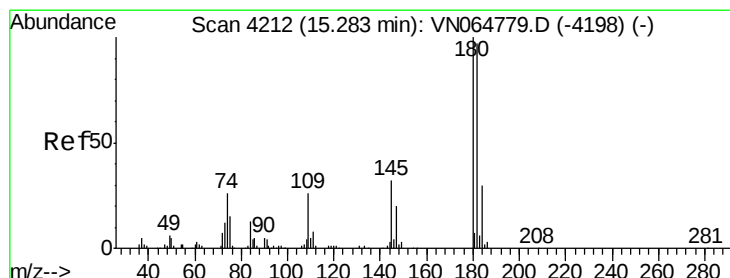
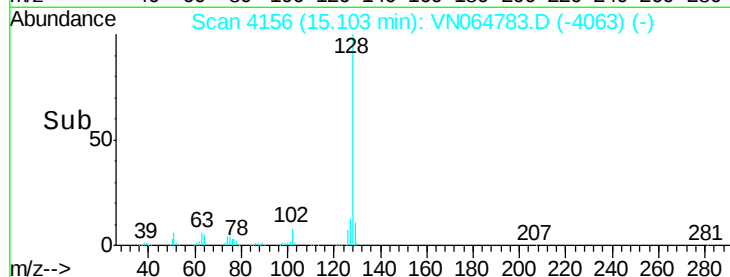
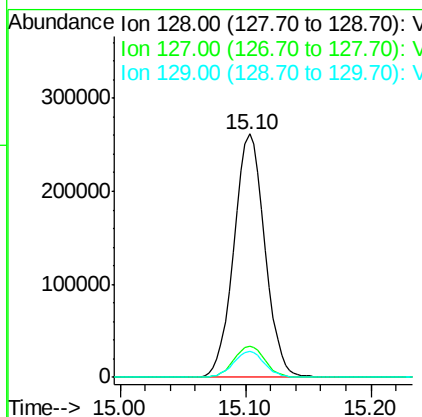
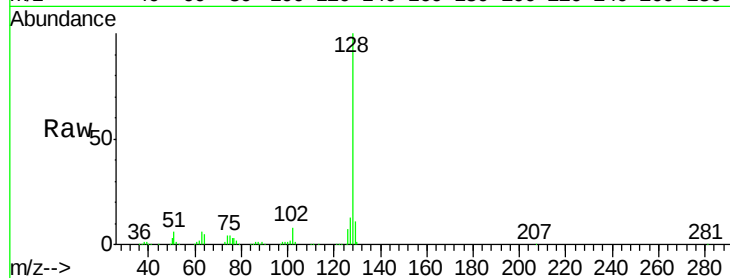
ClientSampleId :

ICVVN112320

Tot Ion:	128	Resp:	448288
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.909 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064783.D

Acq: 23 Nov 2020 14:20

Tgt Ion:	180	Resp:	140877
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.1	144.4
145	32.2	16.4	49.1

