

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064786.D
 Acq On : 23 Nov 2020 16:21
 Operator : JC/MD
 Sample : VN1123WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Manual Integrations
 APPROVED

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 11/24/2020 3:01:31 PM

Quant Time: Nov 24 03:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	188661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	288137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	269365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107378	48.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.92%
35) Dibromofluoromethane	7.55	113	87047	50.49	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.98%
50) Toluene-d8	10.06	98	347040	49.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.52%
62) 4-Bromofluorobenzene	12.38	95	124855	49.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27917	17.074	ug/l	100
3) Chloromethane	2.04	50	36402	17.132	ug/l	98
4) Vinyl Chloride	2.17	62	37909	17.113	ug/l	97
5) Bromomethane	2.54	94	27636	19.015	ug/l	90
6) Chloroethane	2.68	64	24270	17.714	ug/l	94
7) Trichlorofluoromethane	2.99	101	55120	18.000	ug/l	99
8) Diethyl Ether	3.37	74	21860	18.085	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	33443	18.206	ug/l	99
10) Methyl Iodide	3.90	142	40956	17.189	ug/l	99
11) Tert butyl alcohol	4.75	59	31507	92.112	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	31624	17.286	ug/l	98
13) Acrolein	3.57	56	18894	90.432	ug/l	99
14) Allyl chloride	4.27	41	53621	17.771	ug/l	99
15) Acrylonitrile	4.94	53	86377	91.411	ug/l	99
16) Acetone	3.78	43	64653	89.671	ug/l	100
17) Carbon Disulfide	4.01	76	81712	17.302	ug/l	98
18) Methyl Acetate	4.28	43	39466	18.206	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	109163	18.605	ug/l	96
20) Methylene Chloride	4.50	84	39121	17.315	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	35132	17.293	ug/l	97
22) Diisopropyl ether	5.90	45	113902	18.859	ug/l	96
23) Vinyl Acetate	5.85	43	454762	94.160	ug/l	99
24) 1,1-Dichloroethane	5.80	63	66172	18.333	ug/l	100
25) 2-Butanone	6.79	43	107639	92.095	ug/l	97
26) 2,2-Dichloropropane	6.78	77	54820	17.512	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	40525	17.727	ug/l	99
28) Bromochloromethane	7.15	49	29246	17.712	ug/l	99
29) Tetrahydrofuran	7.17	42	73145	90.661	ug/l	100
30) Chloroform	7.33	83	67242	18.065	ug/l	99
31) Cyclohexane	7.61	56	52999	17.337	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	57136	17.872	ug/l	99
36) 1,1-Dichloropropene	7.75	75	49215	18.427	ug/l	98
37) Ethyl Acetate	6.88	43	47159	18.331	ug/l	99
38) Carbon Tetrachloride	7.73	117	51338	18.474	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	50545	17.580	ug/l	97
40) Benzene	8.00	78	150744	18.419	ug/l	98
41) Methacrylonitrile	7.13	41	19428	16.366	ug/l #	90
42) 1,2-Dichloroethane	8.08	62	52536	19.029	ug/l	99
43) Isopropyl Acetate	8.13	43	75908	18.337	ug/l	98
44) Trichloroethene	8.80	130	43957	18.204	ug/l	97
45) 1,2-Dichloropropane	9.08	63	40009	18.877	ug/l	99
46) Dibromomethane	9.17	93	27624	19.510	ug/l	95
47) Bromodichloromethane	9.37	83	52360	18.378	ug/l	97
48) Methyl methacrylate	9.17	41	36188	18.294	ug/l	97
49) 1,4-Dioxane	9.16	88	13746	367.674	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	235167	94.625	ug/l	99
52) Toluene	10.13	92	94655	18.780	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	57019	17.969	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	63022	18.529	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	38662	18.654	ug/l	96
56) Ethyl methacrylate	10.40	69	51396	17.971	ug/l	96
57) 1,3-Dichloropropane	10.68	76	65228	19.079	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	146597	93.183	ug/l	99
59) 2-Hexanone	10.72	43	169392	94.706	ug/l	98
60) Dibromochloromethane	10.87	129	43453	18.861	ug/l	98
61) 1,2-Dibromoethane	10.98	107	40092	19.040	ug/l	95
64) Tetrachloroethene	10.60	164	47350	18.068	ug/l	96
65) Chlorobenzene	11.41	112	104084	17.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	38396	18.062	ug/l	98
67) Ethyl Benzene	11.48	91	170204	17.613	ug/l	99
68) m/p-Xylenes	11.59	106	132335	36.170	ug/l	100
69) o-Xylene	11.92	106	63454	18.277	ug/l	99
70) Styrene	11.94	104	106771	18.217	ug/l	99
71) Bromoform	12.10	173	29412	17.322	ug/l #	100
73) Isopropylbenzene	12.22	105	165326	18.303	ug/l	98
74) N-amyl acetate	12.05	43	64619	18.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	48336	18.257	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	52520m	18.779	ug/l	
77) Bromobenzene	12.50	156	43644	17.922	ug/l	97
78) n-propylbenzene	12.57	91	190520	18.515	ug/l	99
79) 2-Chlorotoluene	12.65	91	116823	18.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	142925	19.036	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	18082	17.720	ug/l	94
82) 4-Chlorotoluene	12.75	91	121328	18.197	ug/l	97
83) tert-Butylbenzene	12.97	119	116581	18.525	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	142794	18.810	ug/l	99
85) sec-Butylbenzene	13.14	105	156247	18.699	ug/l	99
86) p-Isopropyltoluene	13.26	119	143648	18.883	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	77957	18.018	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	78813	17.225	ug/l	100
89) n-Butylbenzene	13.59	91	117895	17.647	ug/l	100
90) Hexachloroethane	13.85	117	24695	18.687	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	76672	18.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10700	17.961	ug/l	94

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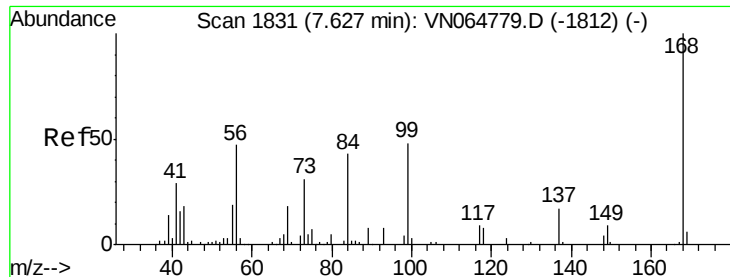
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	44487	16.928	ug/l	99
94) Hexachlorobutadiene	14.98	225	21374	18.299	ug/l	98
95) Naphthalene	15.10	128	132800	16.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	44603	18.754	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion:168 Resp: 188661

Ion Ratio Lower Upper

168 100

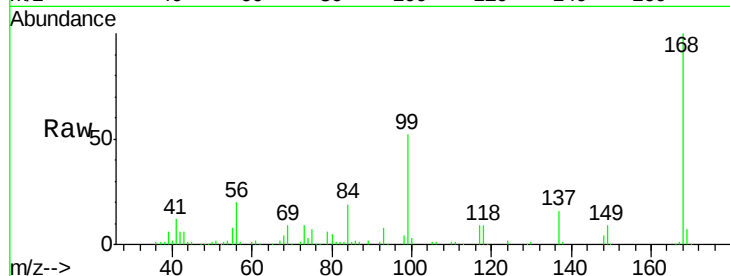
99 52.2 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

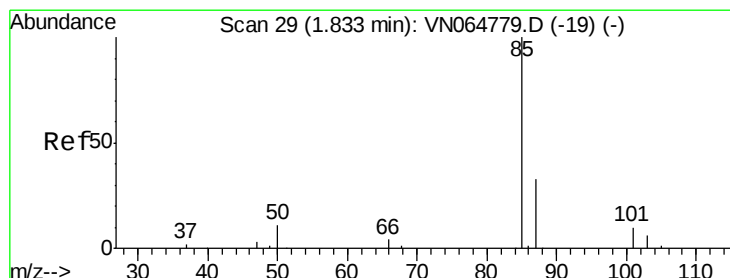
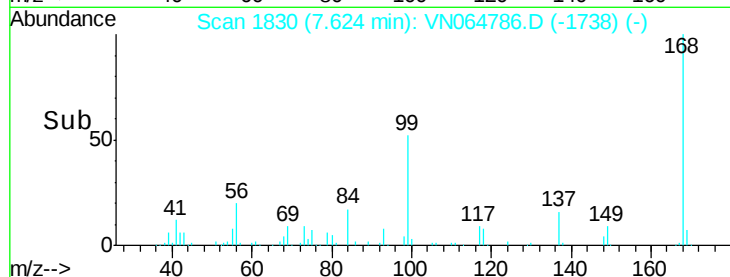
40000

20000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 17.074 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064786.D

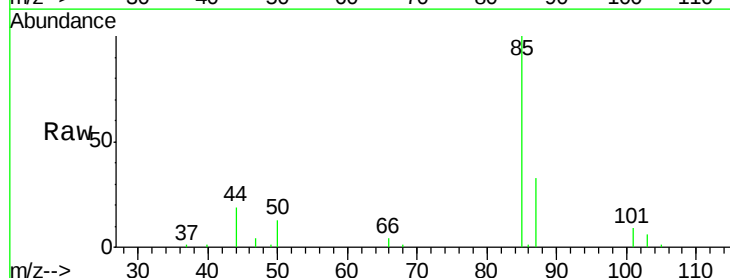
Acq: 23 Nov 2020 16:21

Tgt Ion: 85 Resp: 27917

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

20000

15000

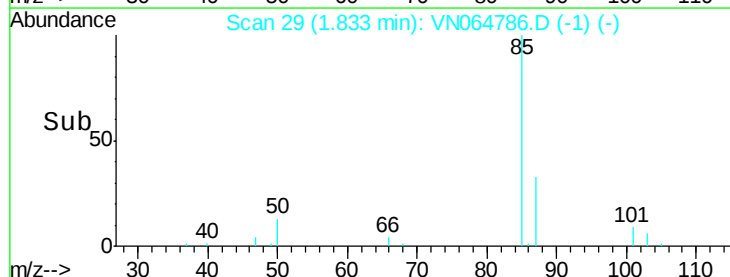
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Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 17.132 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 50 Resp: 36402

Ion Ratio Lower Upper

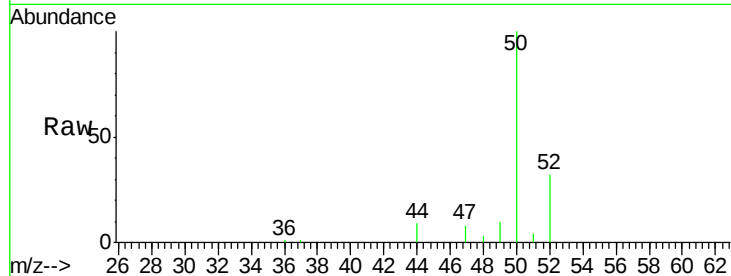
50 100

52 31.8 26.6 39.8

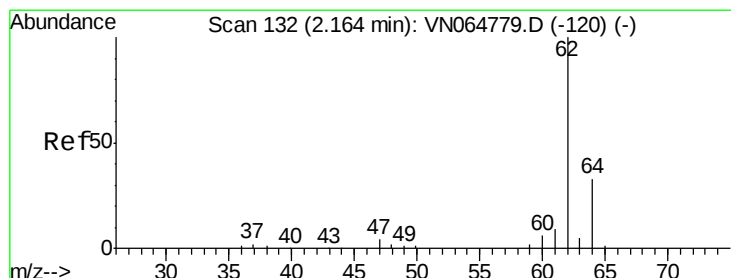
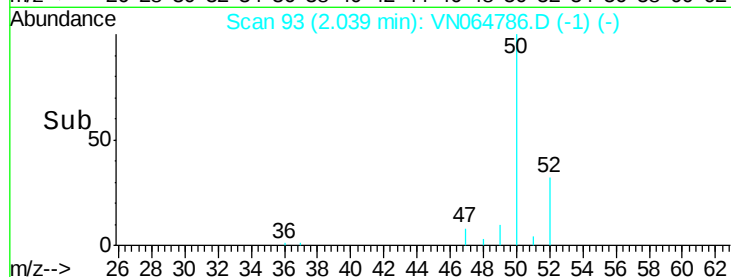
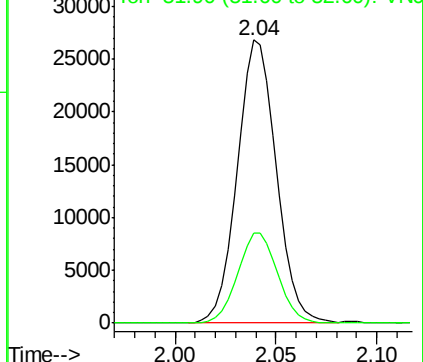
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.113 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064786.D

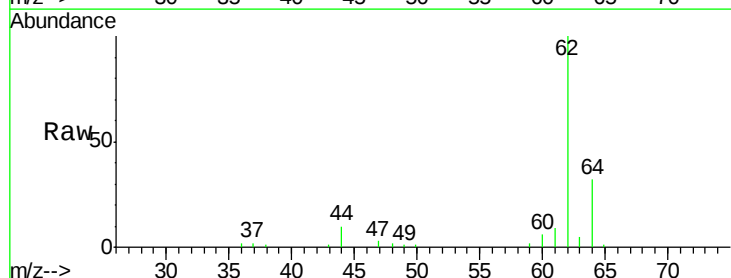
Acq: 23 Nov 2020 16:21

Tgt Ion: 62 Resp: 37909

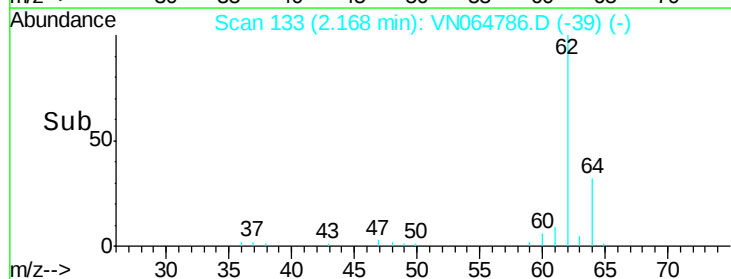
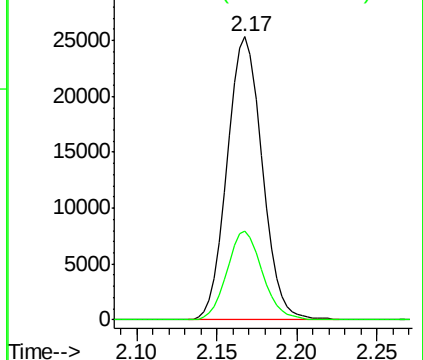
Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7



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





#5

Bromomethane

Concen: 19.015 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 94 Resp: 27636

Ion Ratio Lower Upper

94 100

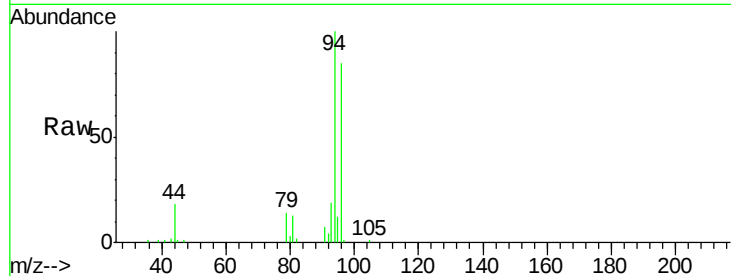
96 85.0 75.4 113.0

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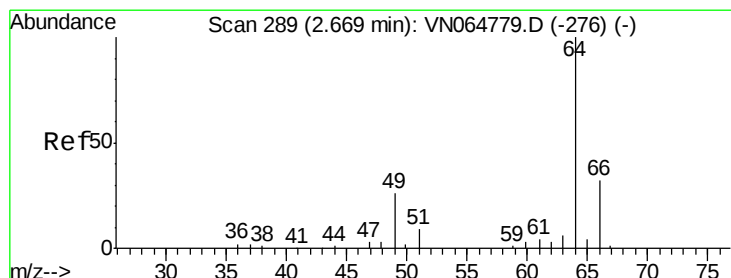
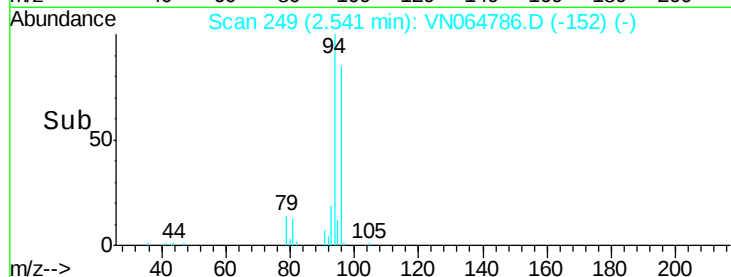
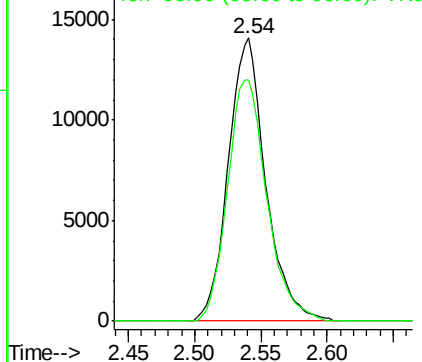
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.714 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064786.D

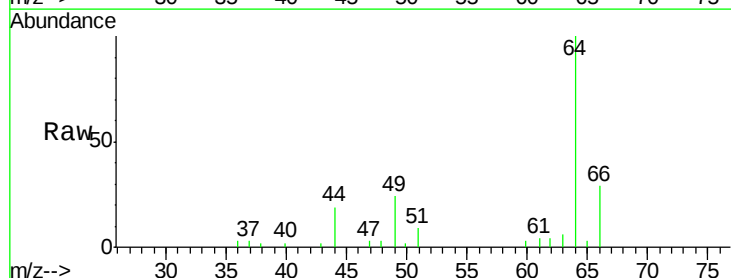
Acq: 23 Nov 2020 16:21

Tgt Ion: 64 Resp: 24270

Ion Ratio Lower Upper

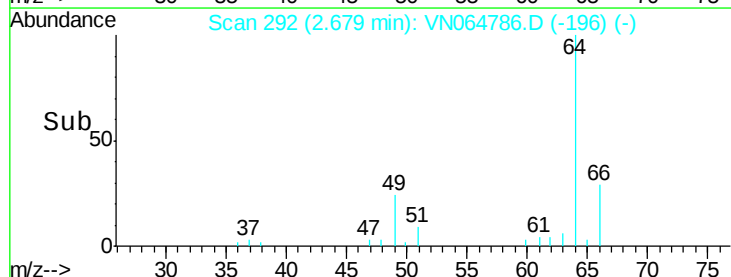
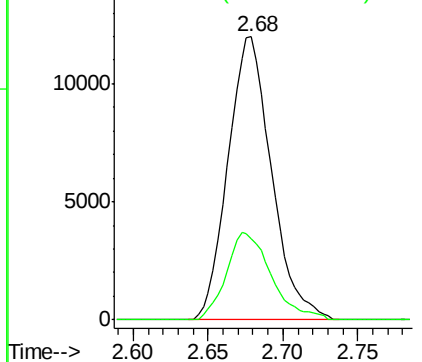
64 100

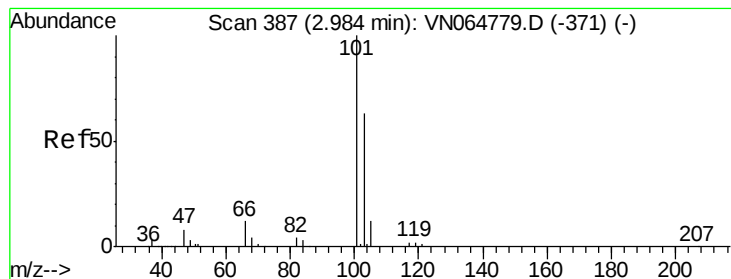
66 28.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





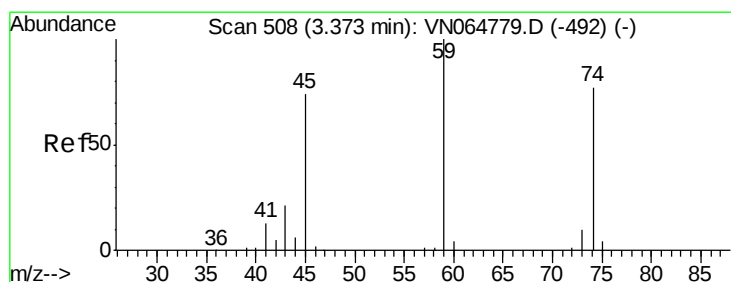
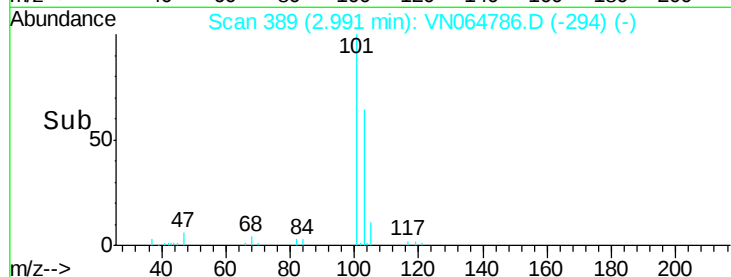
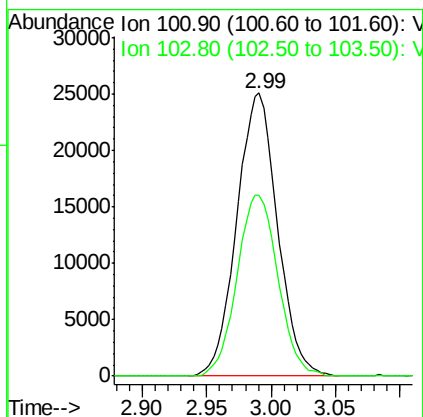
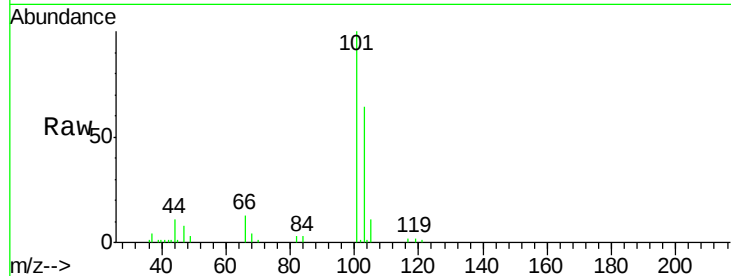
#7
 Trichlorofluoromethane
 Concen: 18.000 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

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 VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.5	75.7

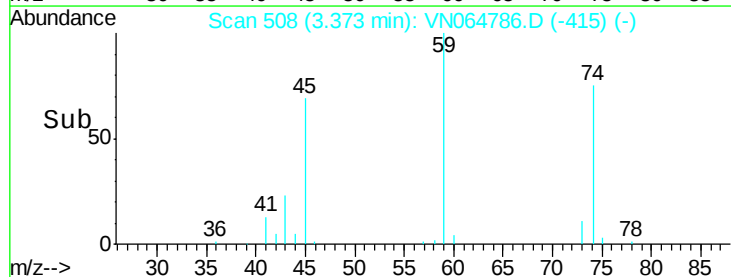
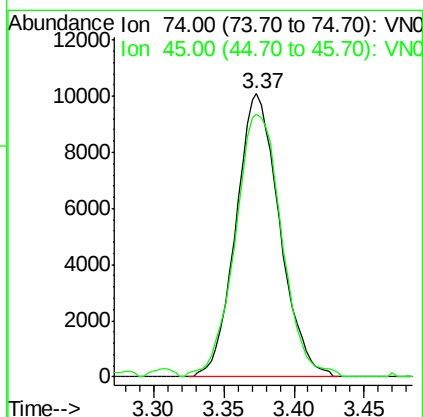
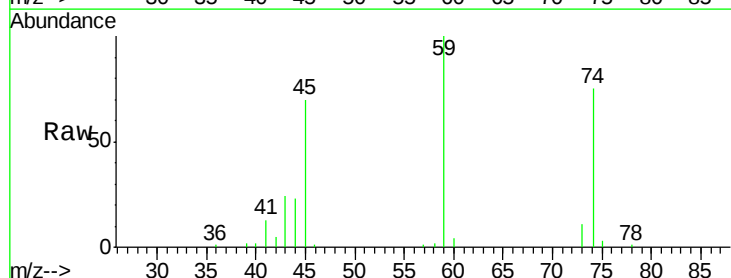
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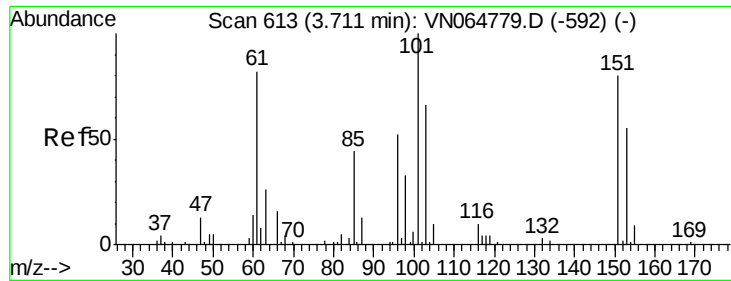
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#8
 Diethyl Ether
 Concen: 18.085 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.206 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

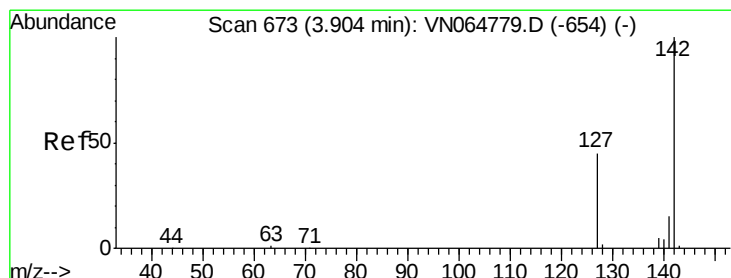
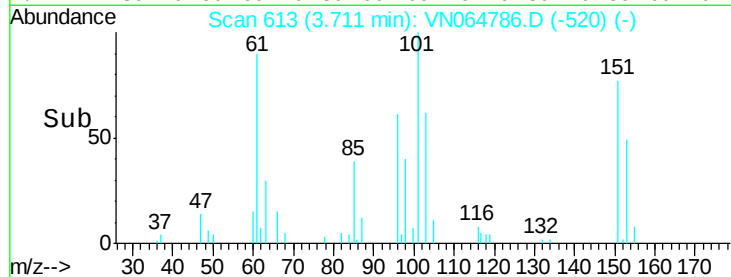
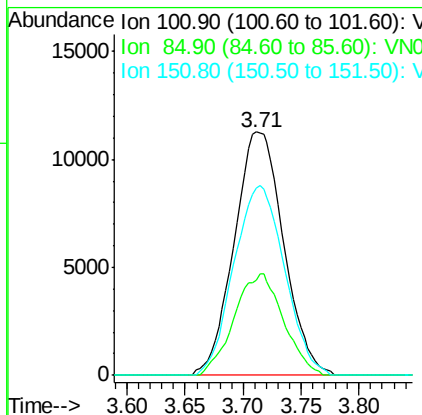
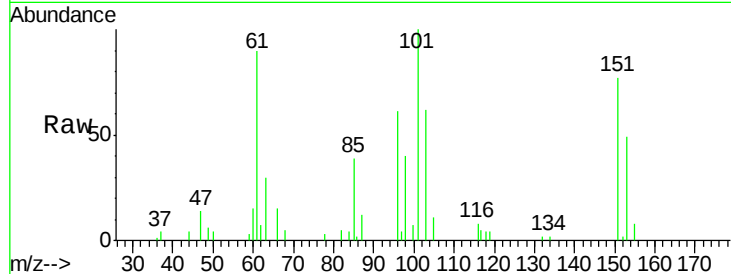
ClientSampleId :

VN1123WBSD01

Tot Ion:	101	Resp:	33443
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	79.9	64.0	96.0

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#10

Methyl Iodide

Concen: 17.189 ug/l

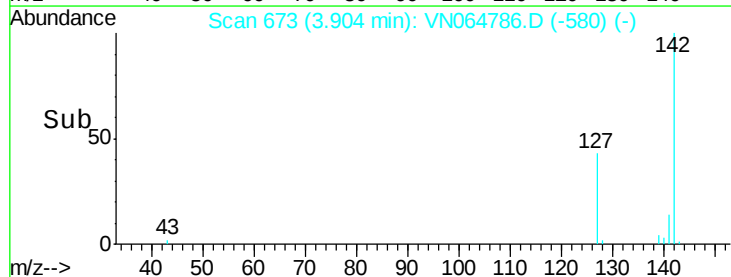
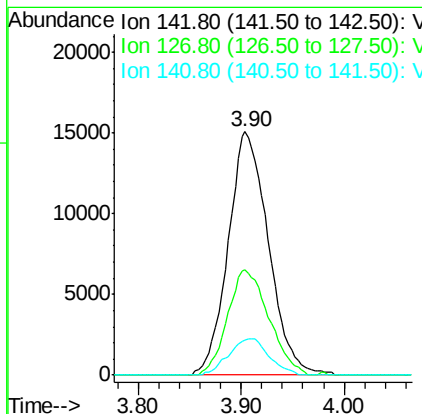
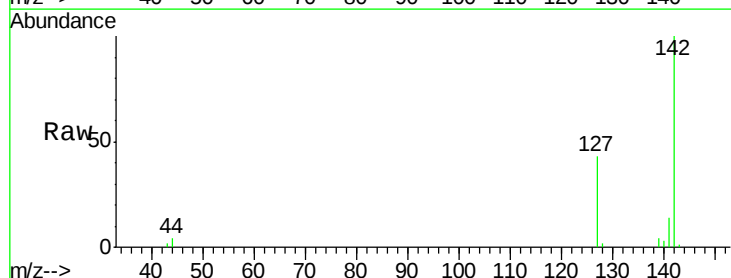
RT: 3.90 min Scan# 673

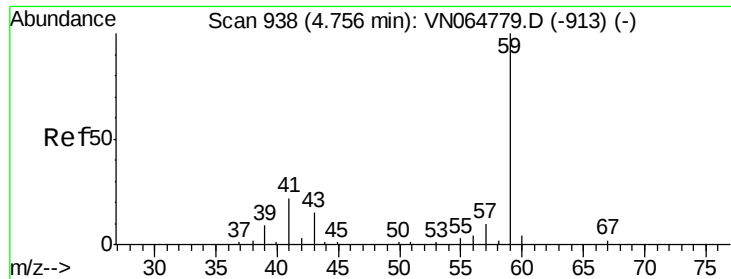
Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	142	Resp:	40956
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.0	52.6
141	14.9	11.8	17.6





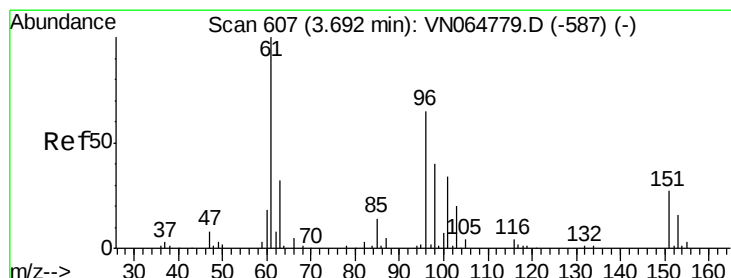
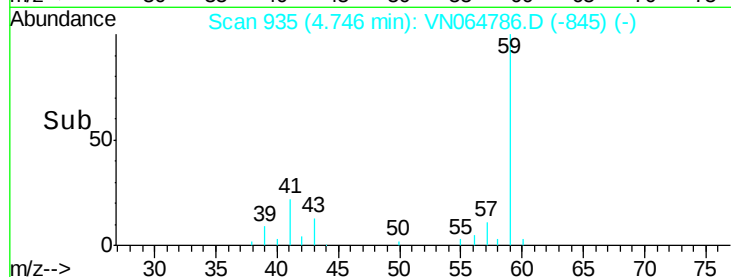
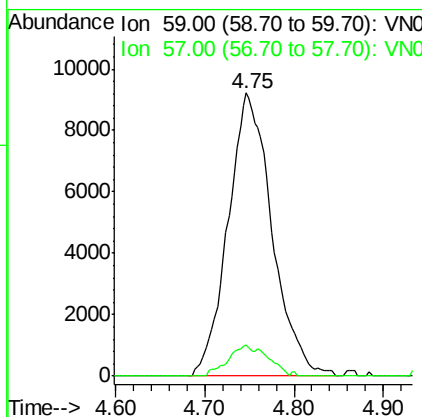
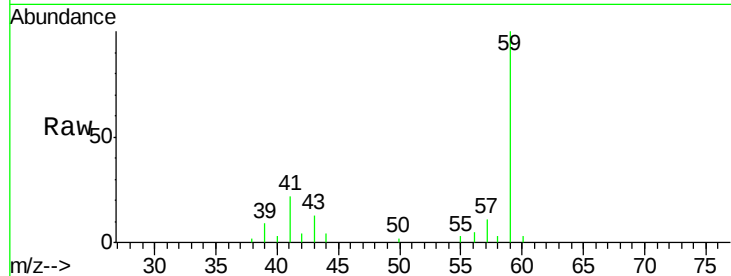
#11
Tert butyl alcohol
Concen: 92.112 ug/l
RT: 4.75 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion: 59 Resp: 31507
Ion Ratio Lower Upper
59 100
57 6.4 7.9 11.9#

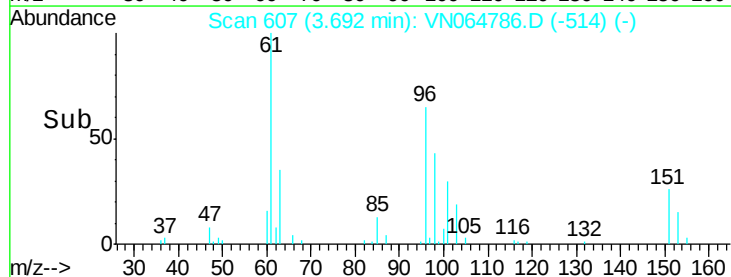
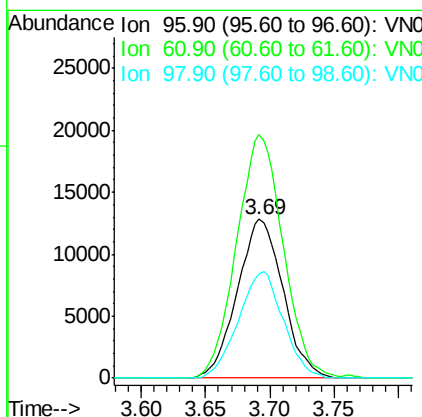
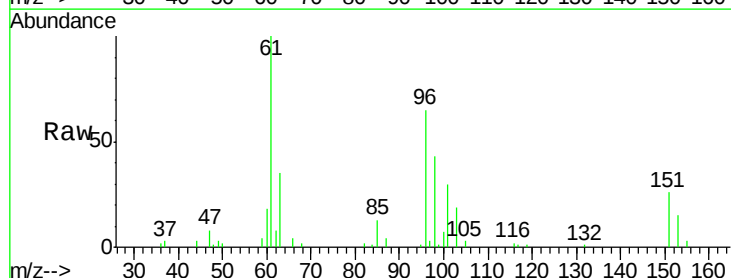
Manual Integrations
APPROVED

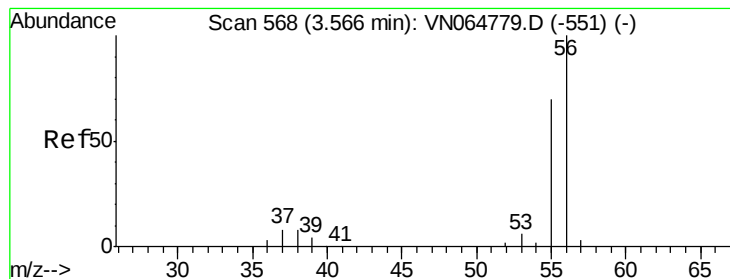
MMDadoda
11/24/2020 3:01:31 PM



#12
1,1-Dichloroethene
Concen: 17.286 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion: 96 Resp: 31624
Ion Ratio Lower Upper
96 100
61 153.3 123.4 185.2
98 65.2 49.8 74.8





#13

Acrolein

Concen: 90.432 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 56 Resp: 18894

Ion Ratio Lower Upper

56 100

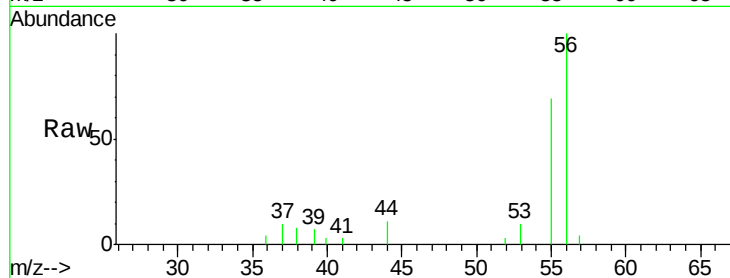
55 69.7 56.5 84.7

Manual Integrations

APPROVED

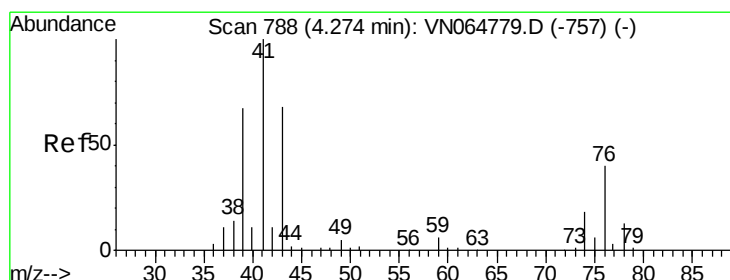
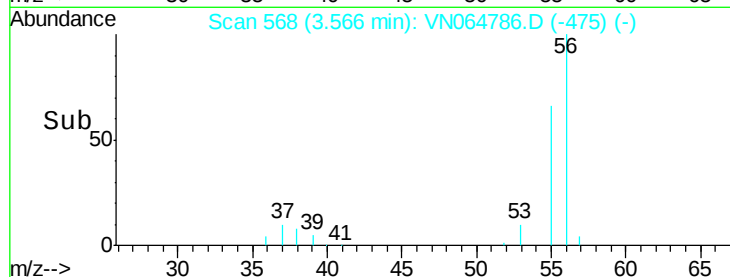
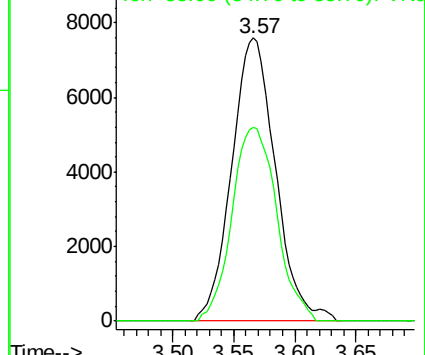
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.771 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

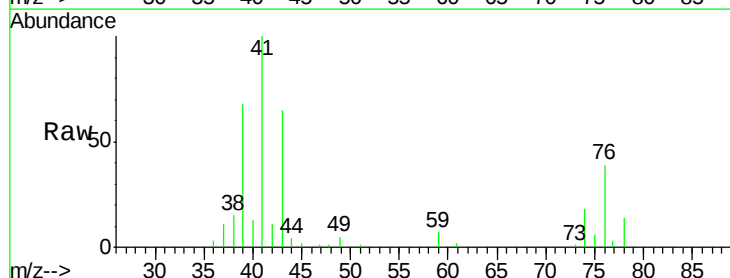
Tgt Ion: 41 Resp: 53621

Ion Ratio Lower Upper

41 100

39 63.6 50.9 76.3

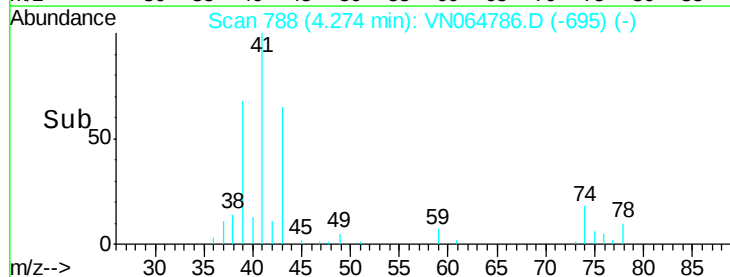
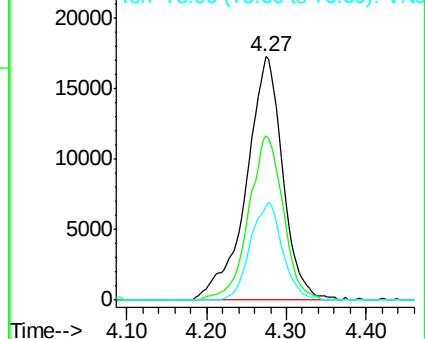
76 35.1 29.0 43.4

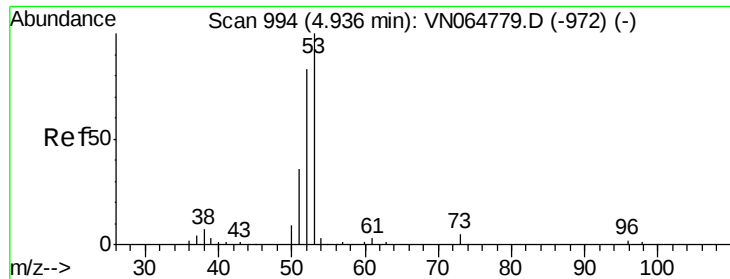


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 91.411 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

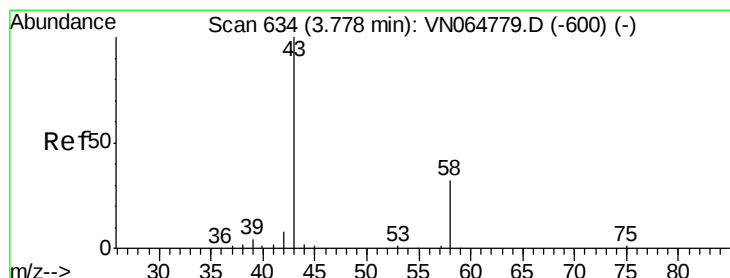
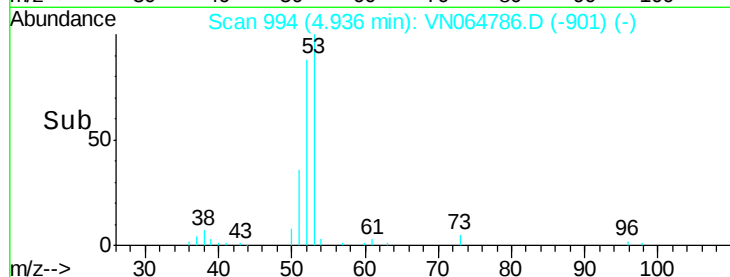
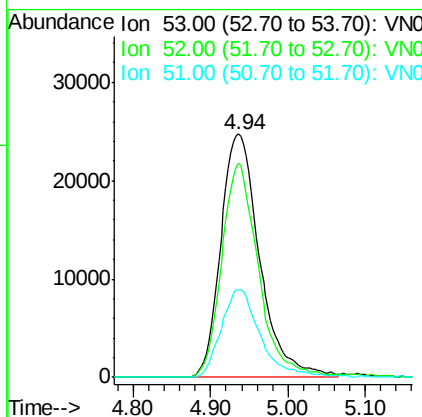
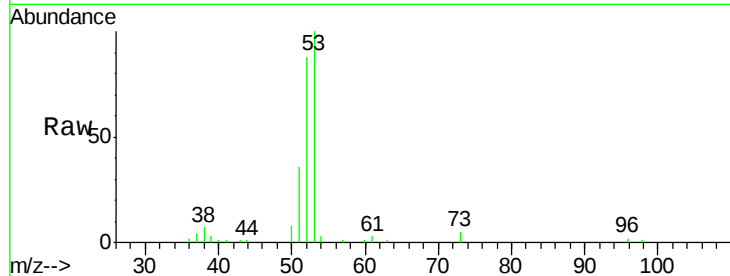
ClientSampleId :

VN1123WBSD01

Tot Ion:	53	Resp:	86377
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.5	98.3
51	36.4	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 89.671 ug/l

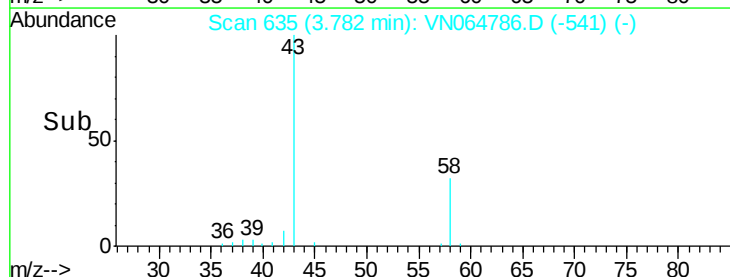
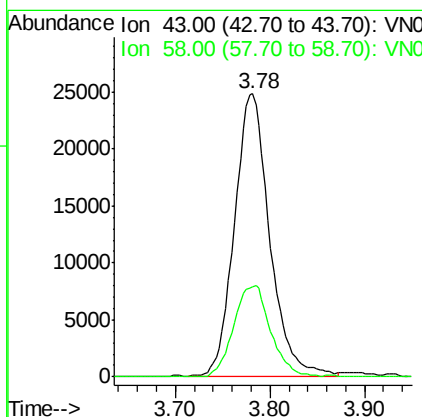
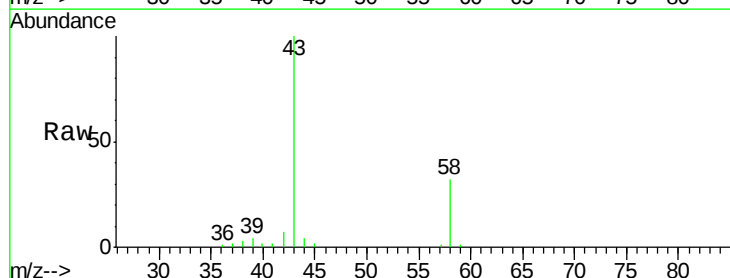
RT: 3.78 min Scan# 635

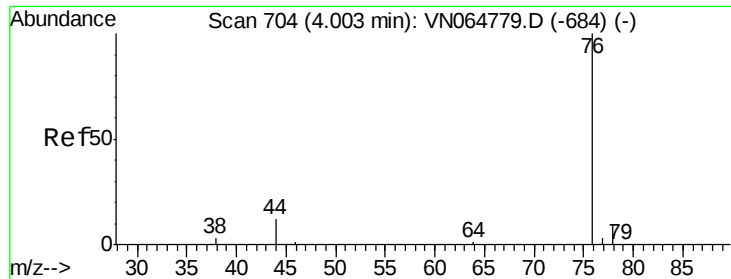
Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	43	Resp:	64653
Ion Ratio	Lower	Upper	
43	100		
58	31.9	25.7	38.5





#17

Carbon Disulfide

Concen: 17.302 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

VN1123WBSD01

Tot Ion: 76 Resp: 81712

Ion Ratio Lower Upper

76 100

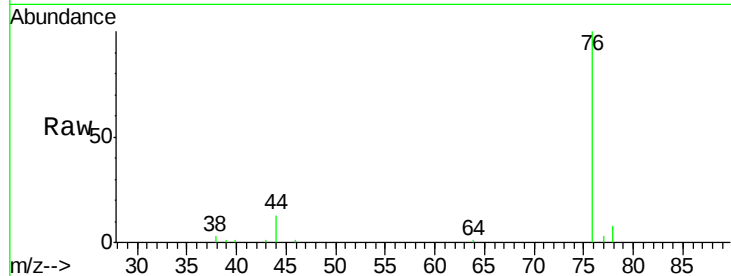
78 8.5 7.4 11.0

Manual Integrations

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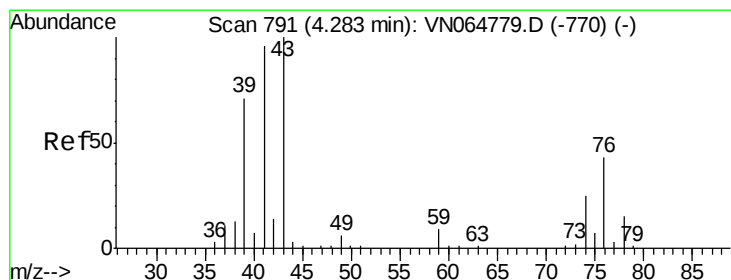
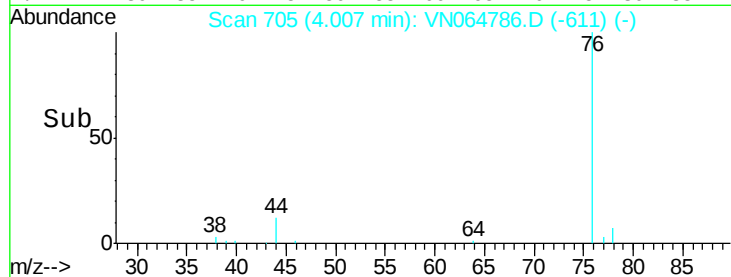
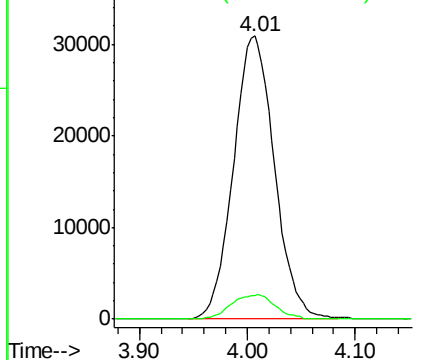
MMDadoda

11/24/2020 3:01:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.206 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064786.D

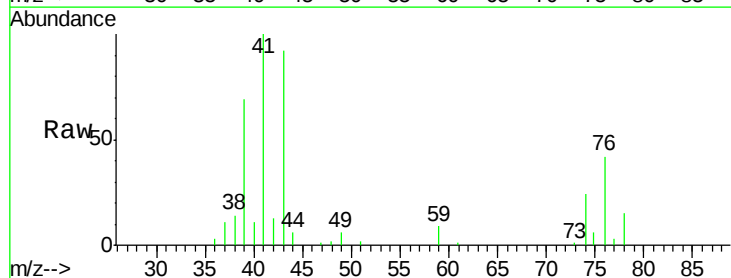
Acq: 23 Nov 2020 16:21

Tgt Ion: 43 Resp: 39466

Ion Ratio Lower Upper

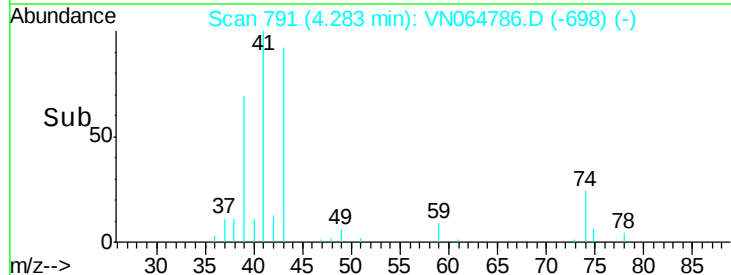
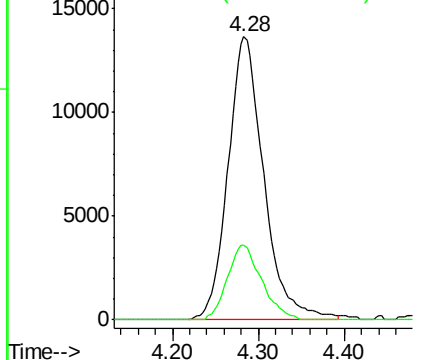
43 100

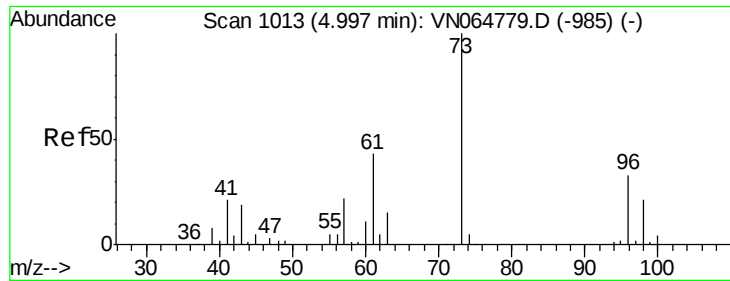
74 25.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





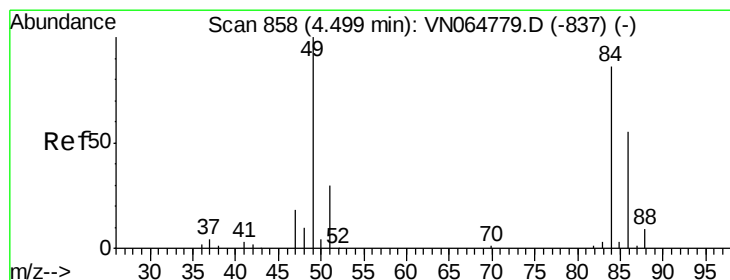
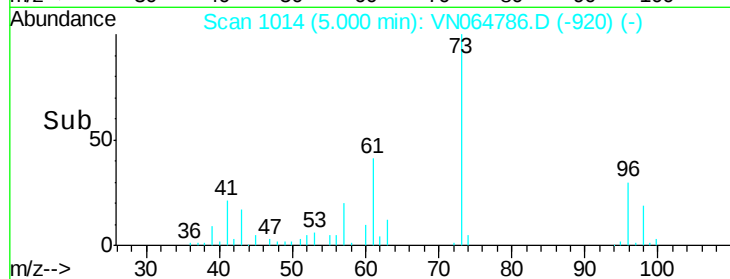
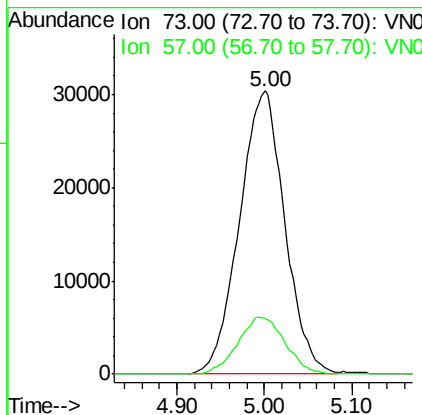
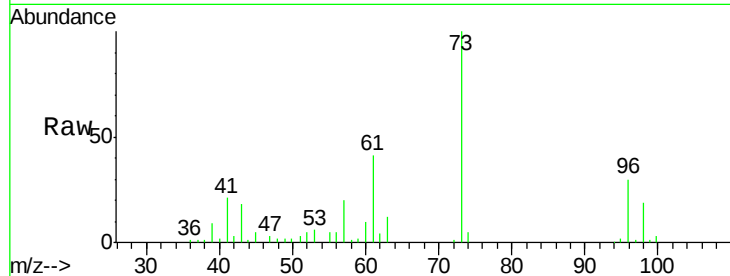
#19
Methvl tert-butvl Ether
Concen: 18.605 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion: 73 Resp: 109163
Ion Ratio Lower Upper
73 100
57 19.7 17.4 26.0

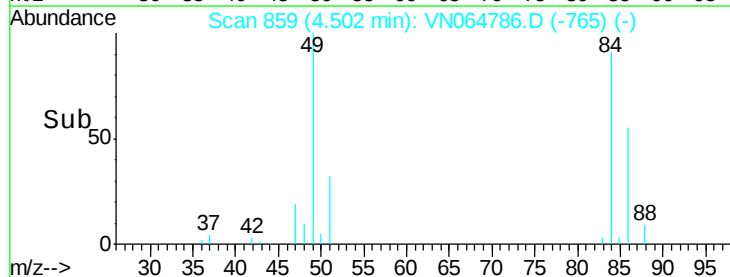
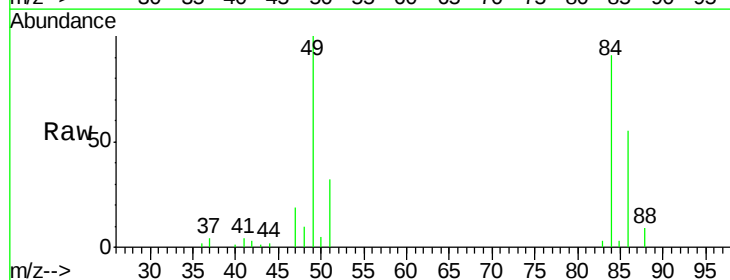
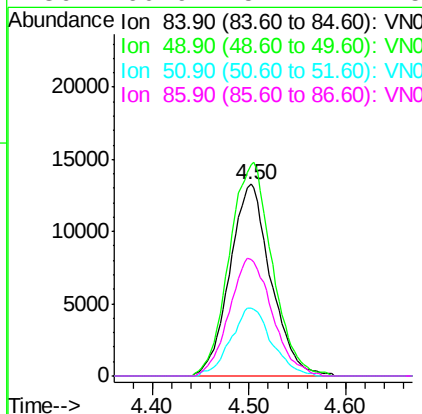
Manual Integrations
APPROVED

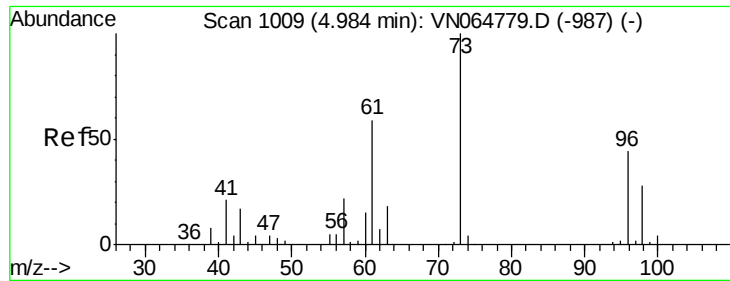
MMDadoda
11/24/2020 3:01:31 PM



#20
Methylene Chloride
Concen: 17.315 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion: 84 Resp: 39121
Ion Ratio Lower Upper
84 100
49 109.9 93.4 140.0
51 35.6 28.2 42.4
86 60.9 51.7 77.5





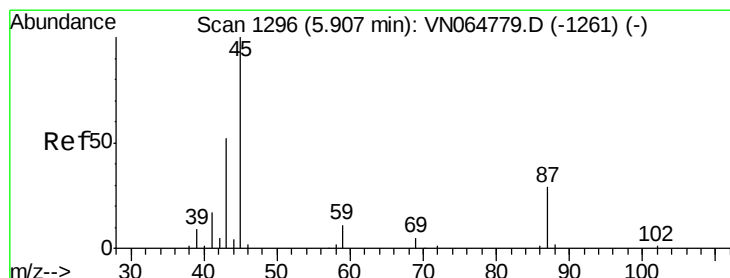
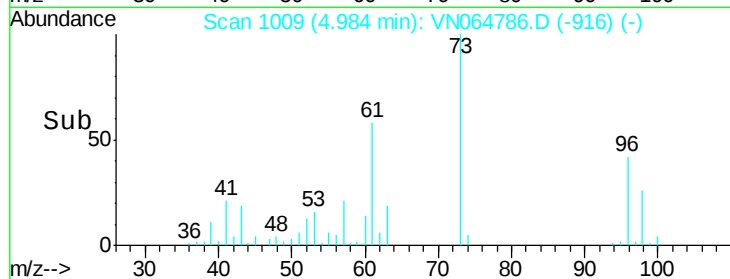
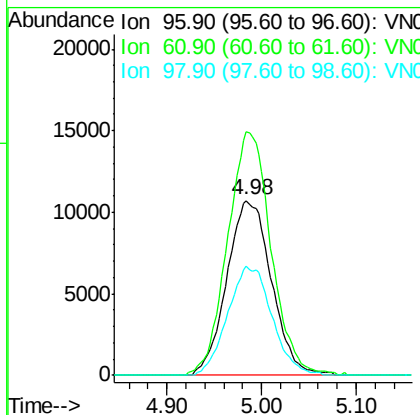
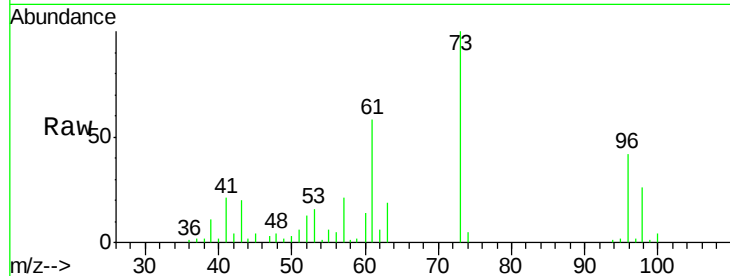
#21
trans-1,2-Dichloroethene
Concen: 17.293 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	108.4	162.6
98	62.1	51.3	76.9

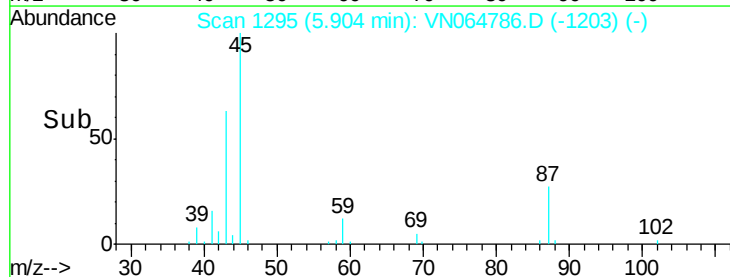
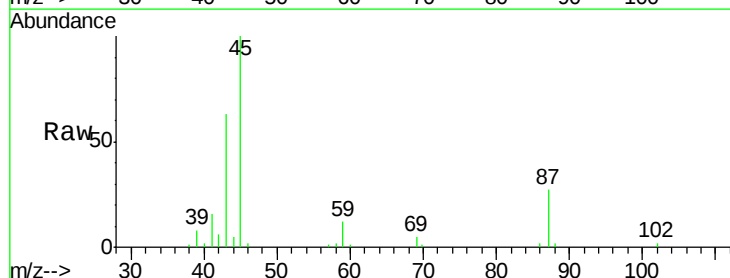
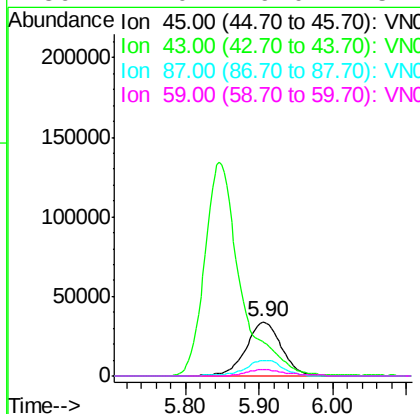
Manual Integrations
APPROVED

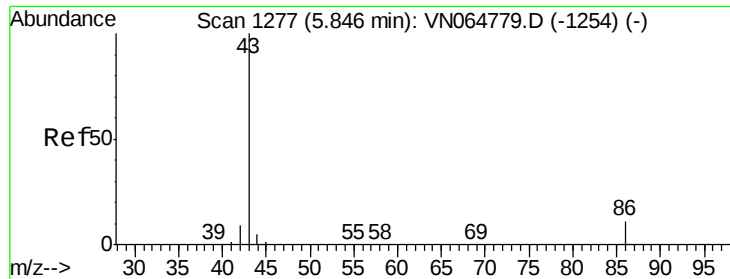
MMDadoda
11/24/2020 3:01:31 PM



#22
Diisopropyl ether
Concen: 18.859 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	46.2	69.2
87	27.5	24.1	36.1
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 94.160 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 43 Resp: 454762

Ion Ratio Lower Upper

43 100

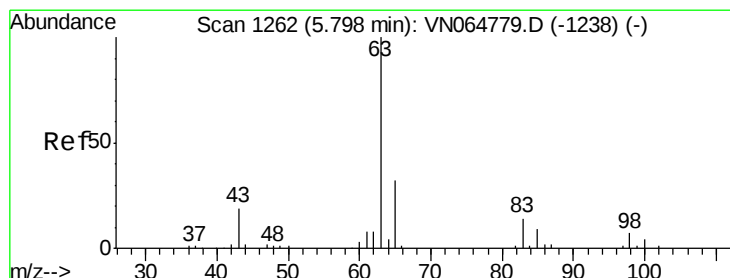
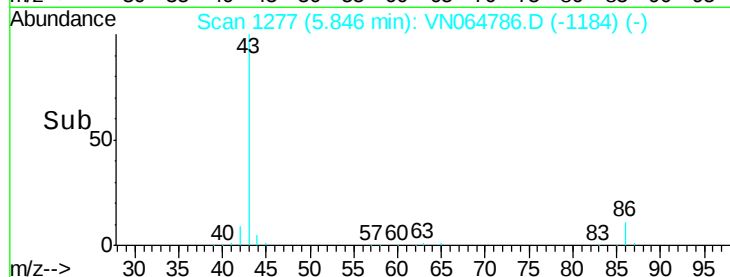
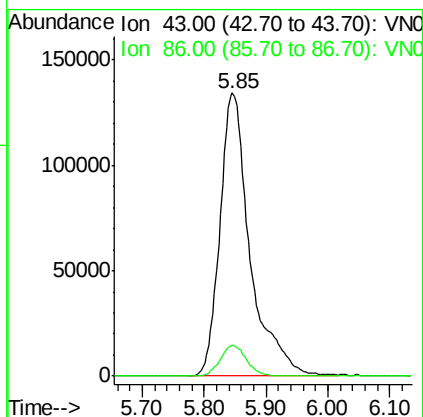
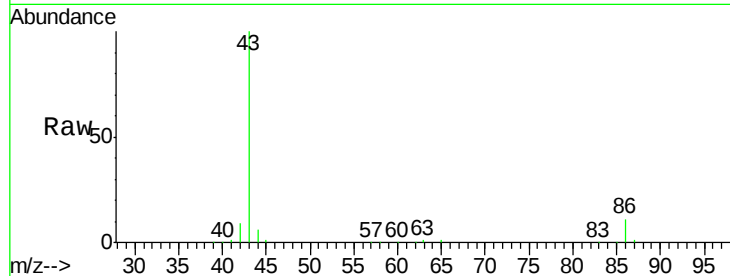
86 10.8 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.333 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

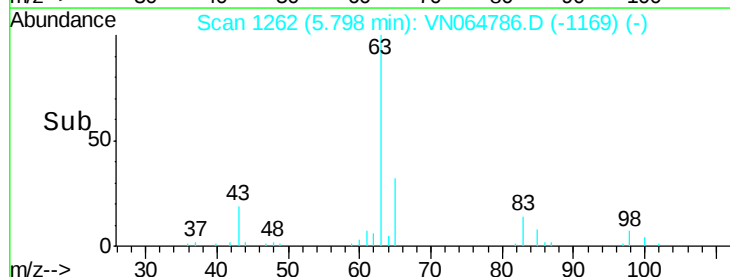
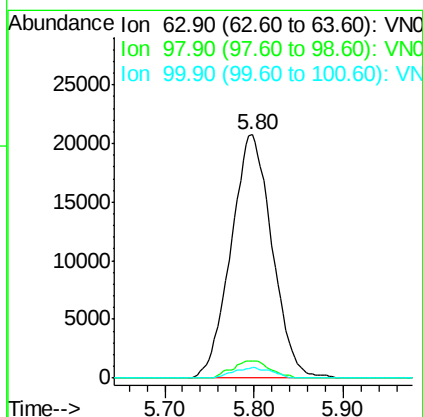
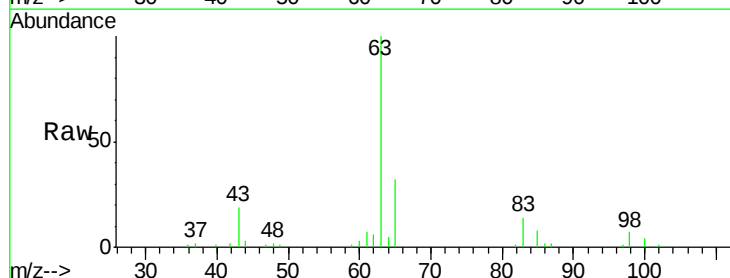
Tgt Ion: 63 Resp: 66172

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.4 2.3 6.8





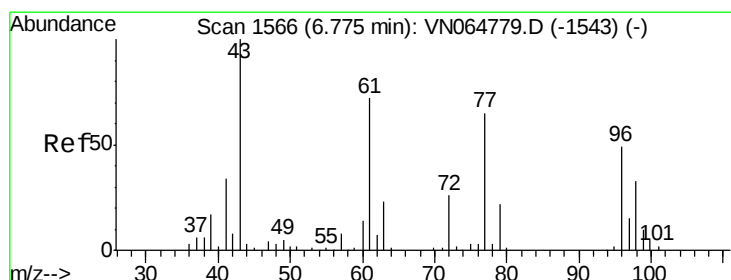
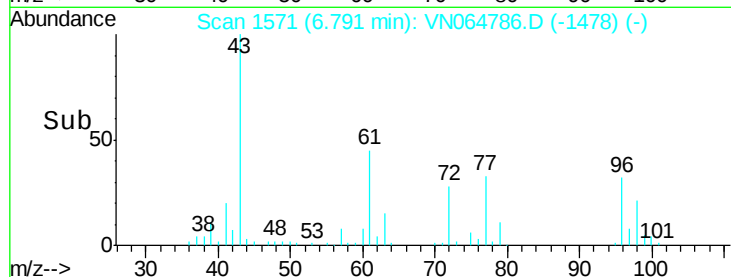
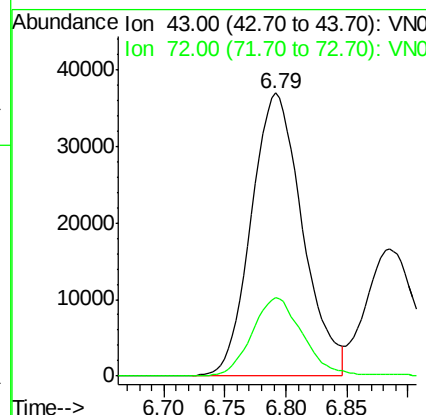
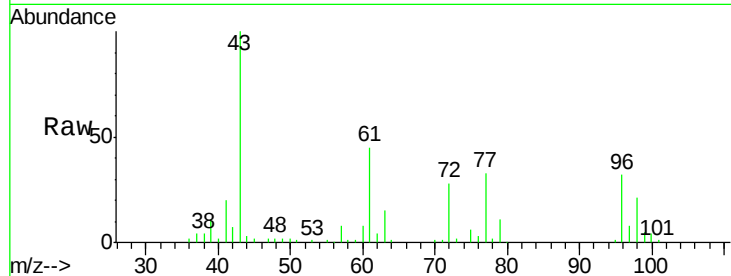
#25
2-Butanone
Concen: 92.095 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion: 43 Resp: 107639
Ion Ratio Lower Upper
43 100
72 27.6 21.0 31.6

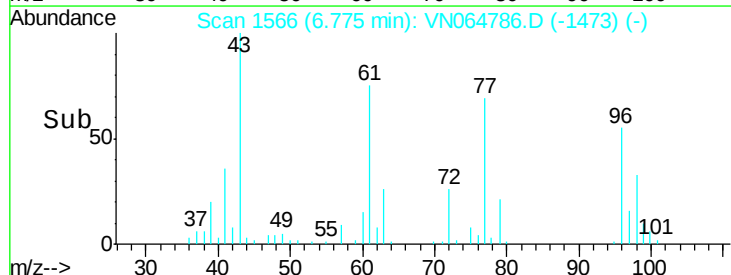
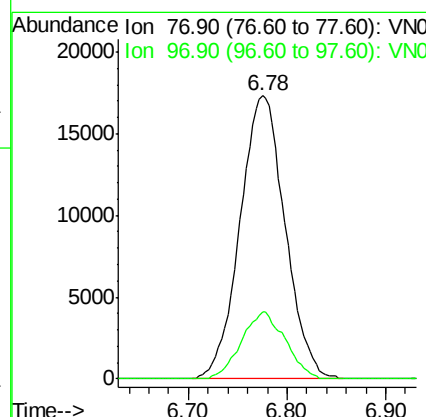
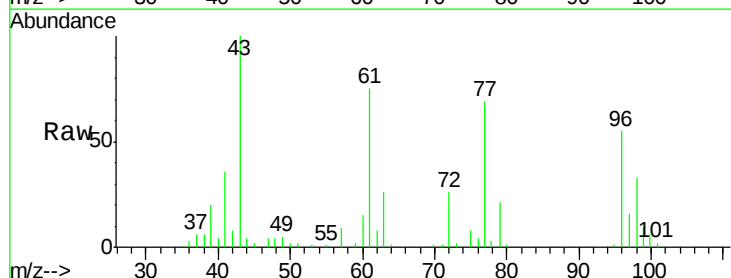
Manual Integrations
APPROVED

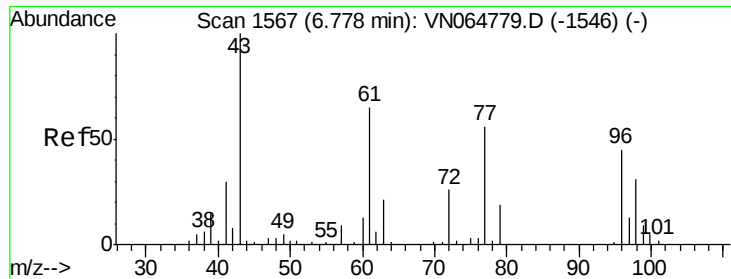
MMDadoda
11/24/2020 3:01:31 PM



#26
2,2-Dichloropropane
Concen: 17.512 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion: 77 Resp: 54820
Ion Ratio Lower Upper
77 100
97 22.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.727 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

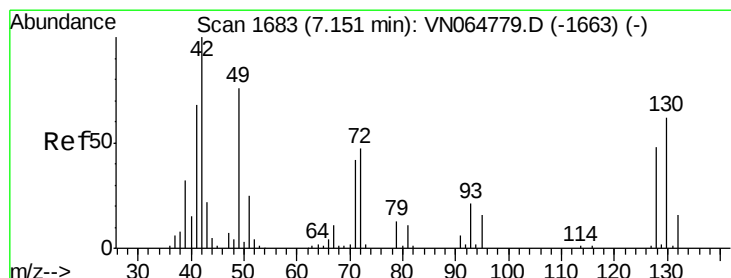
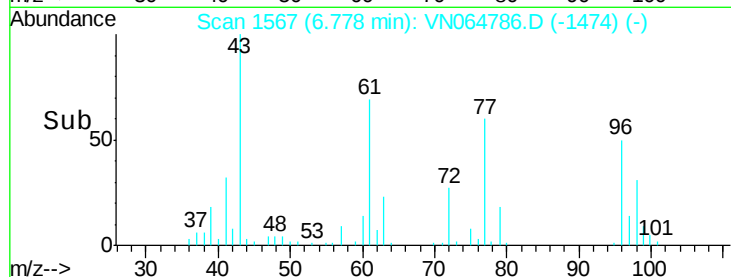
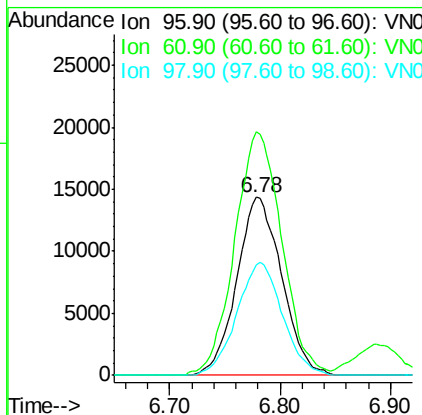
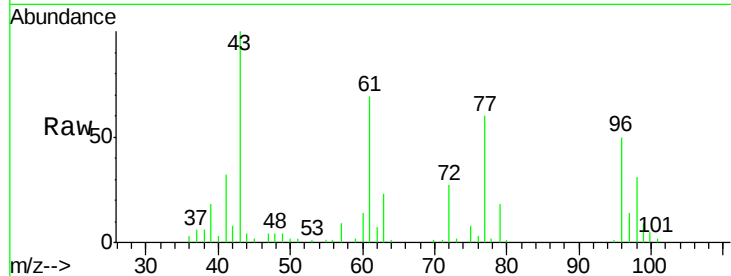
ClientSampleId :

VN1123WBSD01

Tot Ion:	96	Resp:	40525
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	285.8
98	64.5	0.0	130.6

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#28

Bromochloromethane

Concen: 17.712 ug/l

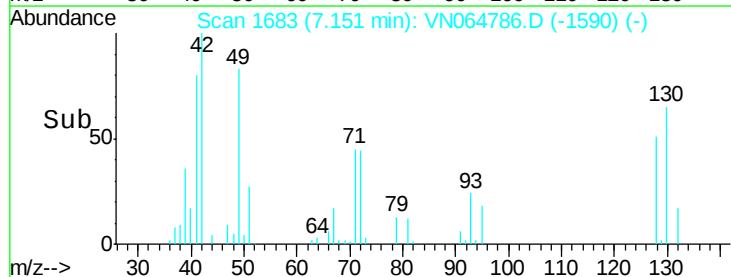
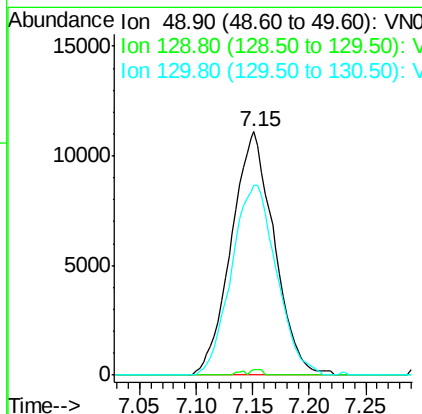
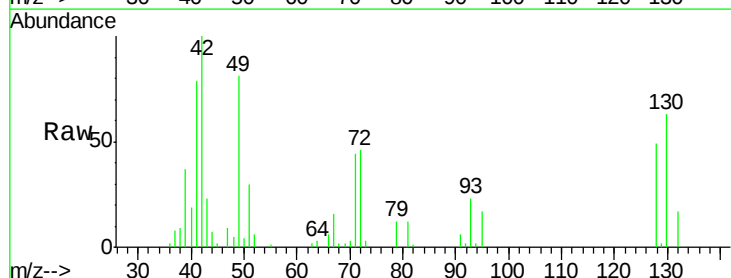
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	49	Resp:	29246
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	81.7	66.2	99.2





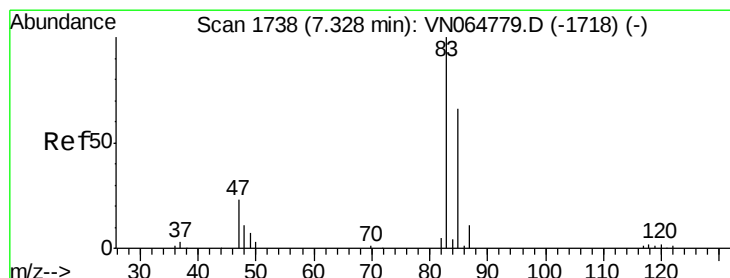
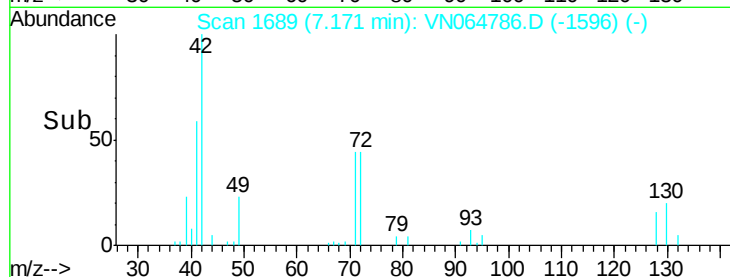
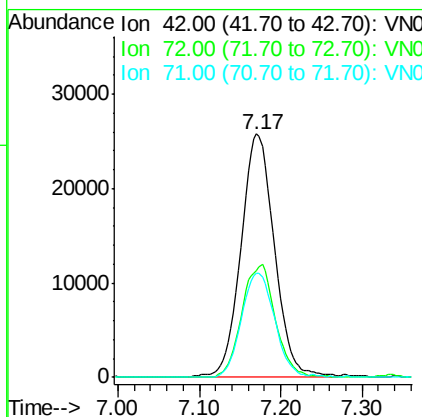
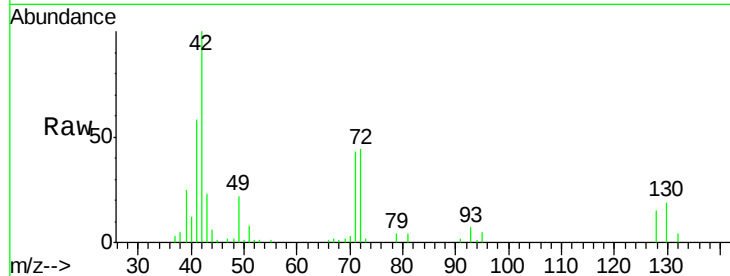
#29
Tetrahydrofuran
Concen: 90.661 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.6	54.8
71	42.4	33.6	50.4

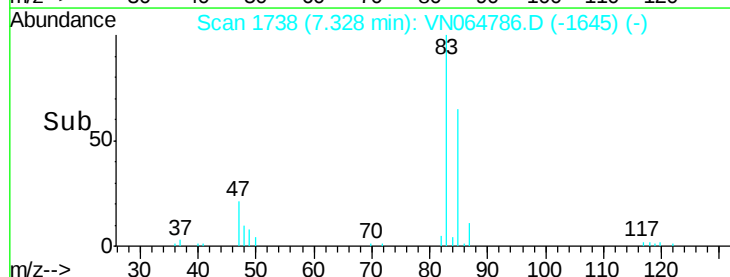
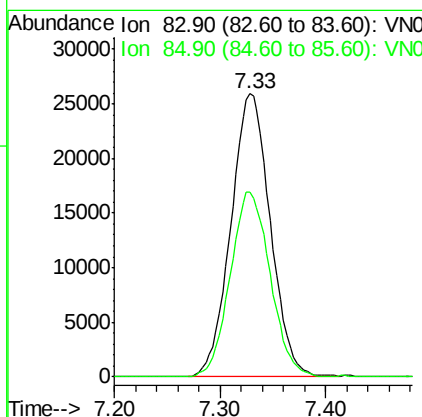
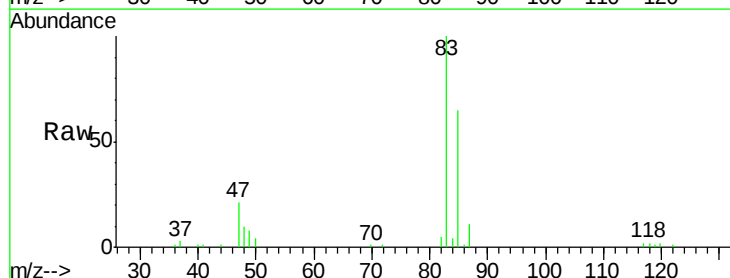
Manual Integrations
APPROVED

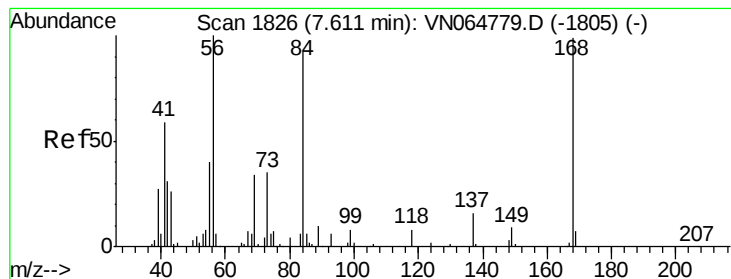
MMDadoda
11/24/2020 3:01:31 PM



#30
Chloroform
Concen: 18.065 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





#31

Cyclohexane

Concen: 17.337 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

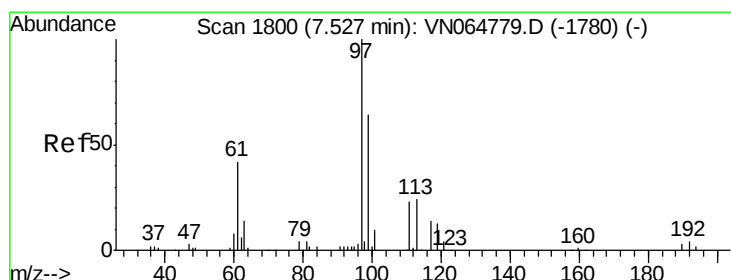
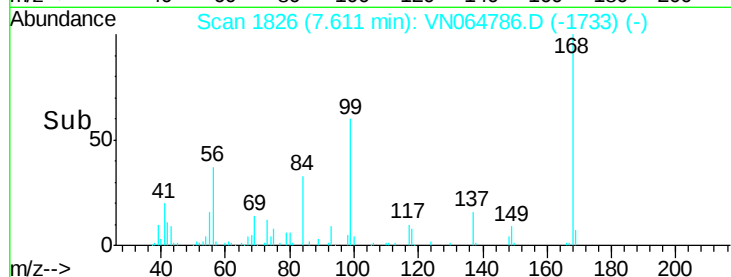
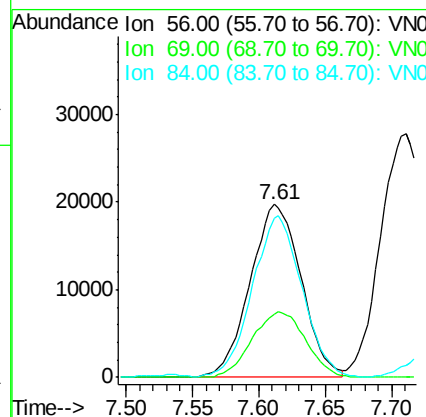
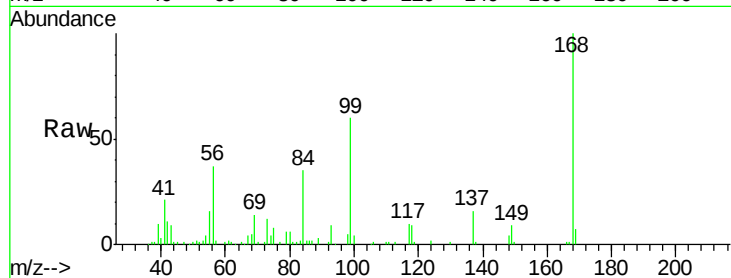
ClientSampleId :

VN1123WBSD01

Tot Ion:	56	Resp:	52999
Ion	Ratio	Lower	Upper
56	100		
69	36.9	27.5	41.3
84	92.3	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.872 ug/l

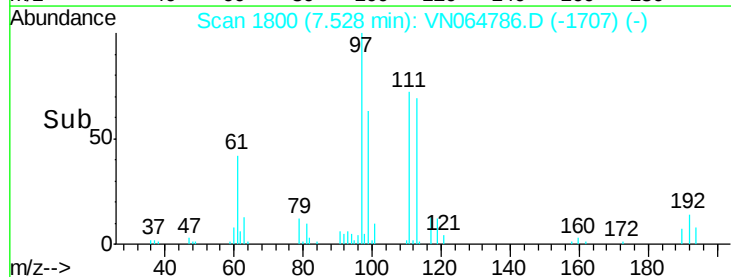
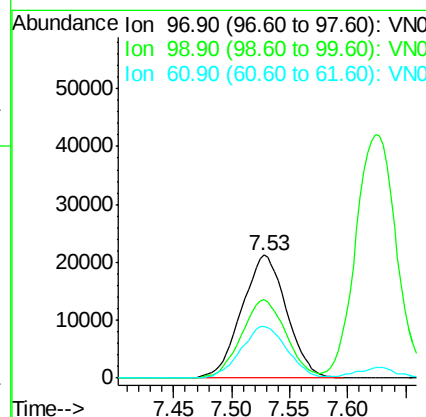
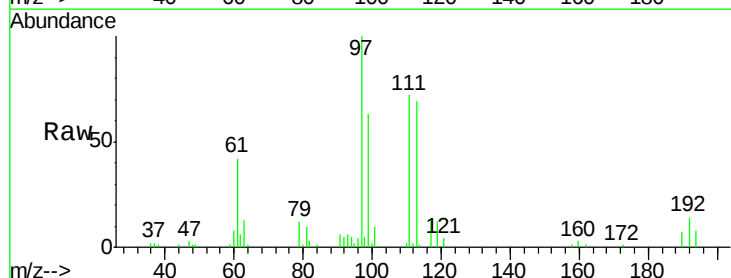
RT: 7.53 min Scan# 1800

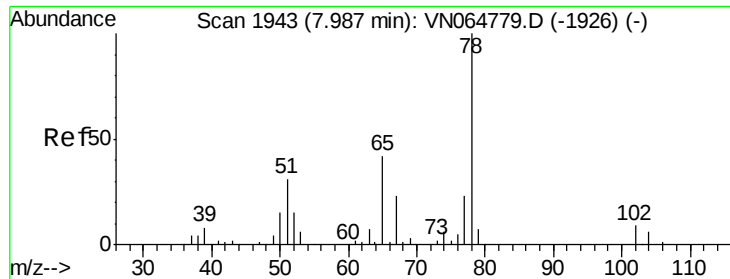
Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	97	Resp:	57136
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	43.0	33.9	50.9





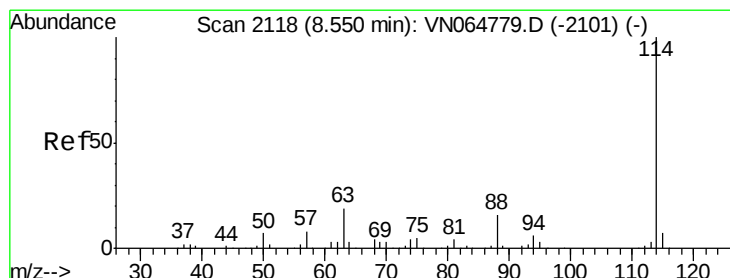
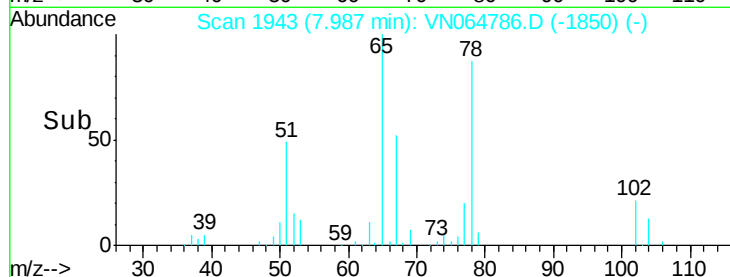
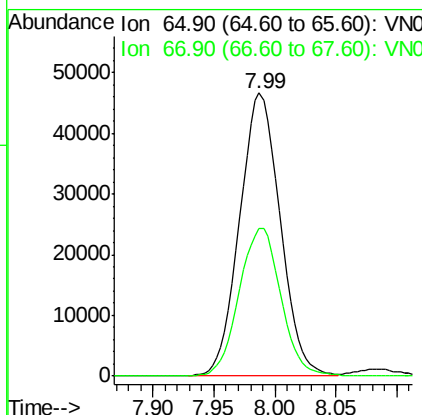
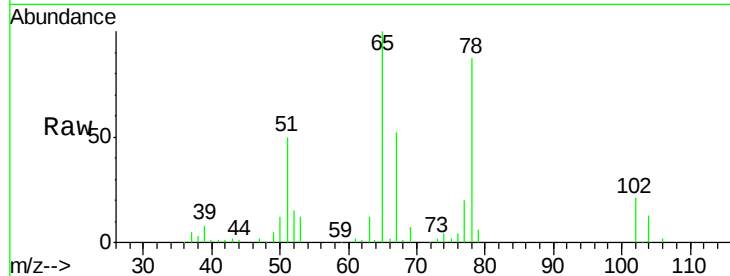
#33
 1,2-Dichloroethane-d4
 Concen: 48.957 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107378	108.2

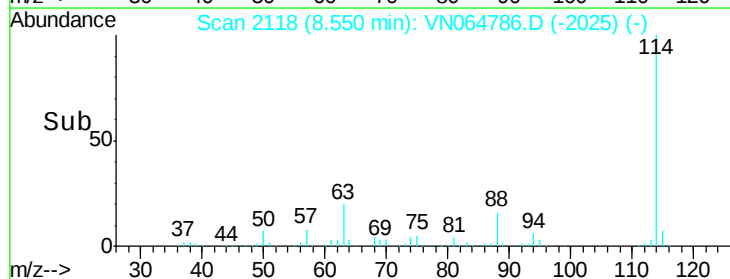
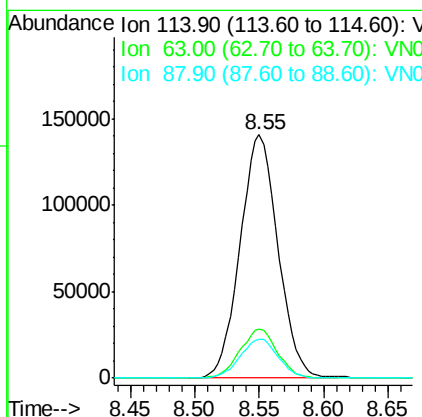
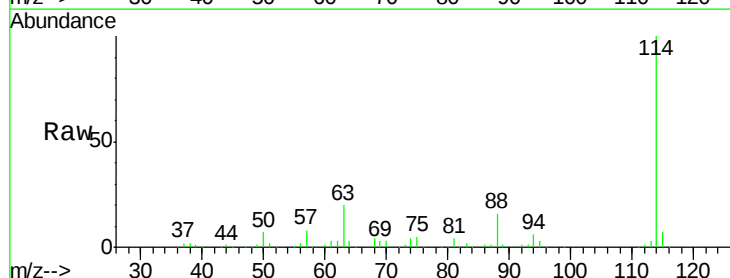
Manual Integrations
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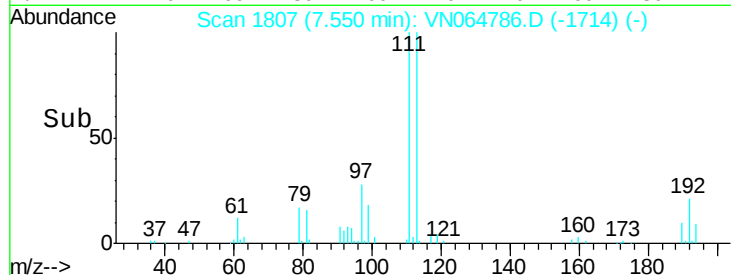
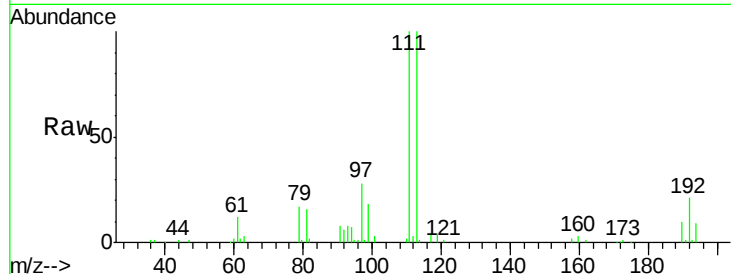
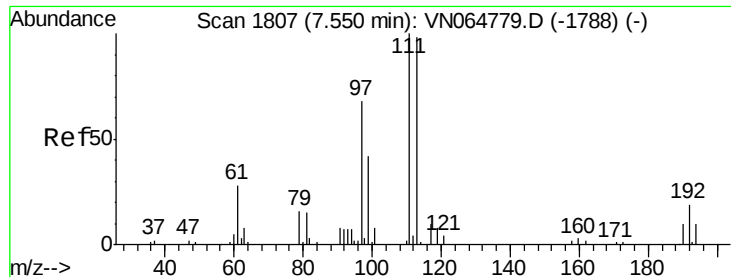
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 11/24/2020 3:01:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	288137	38.6
88	16.0	0.0	32.6	





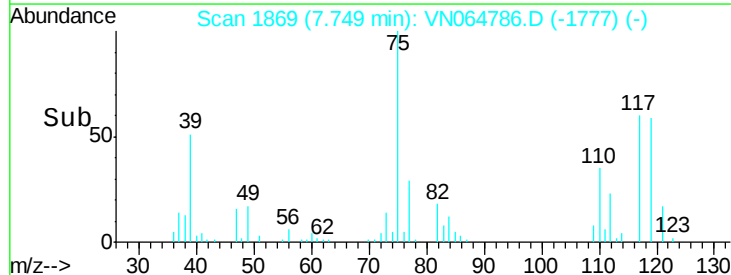
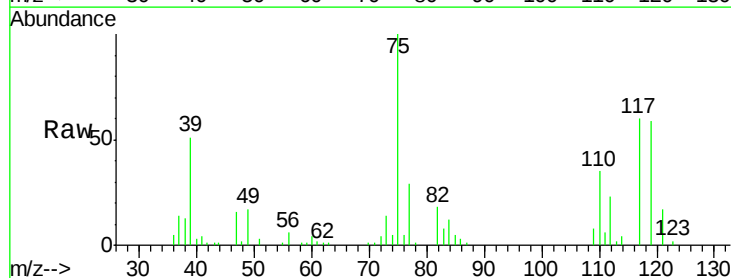
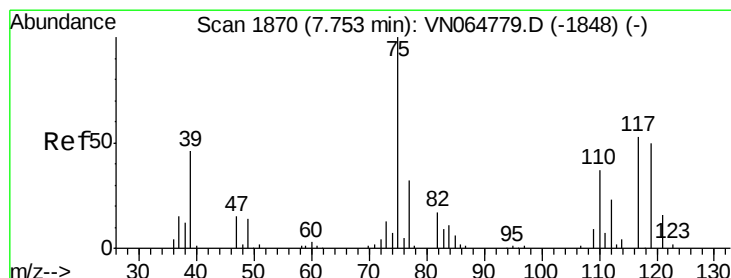
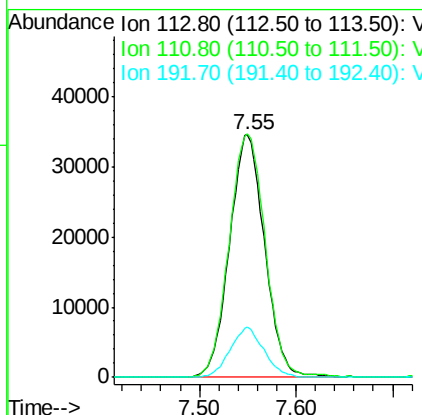
#35
Dibromofluoromethane
Concen: 50.488 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	19.9	16.2	24.2

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

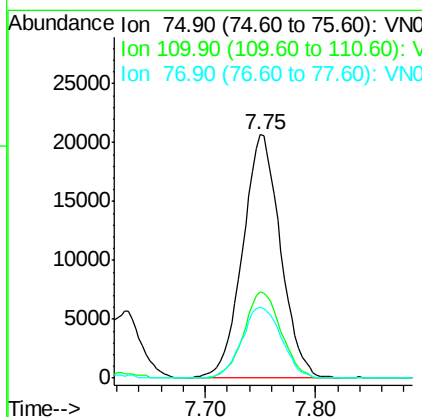
Manual Integrations
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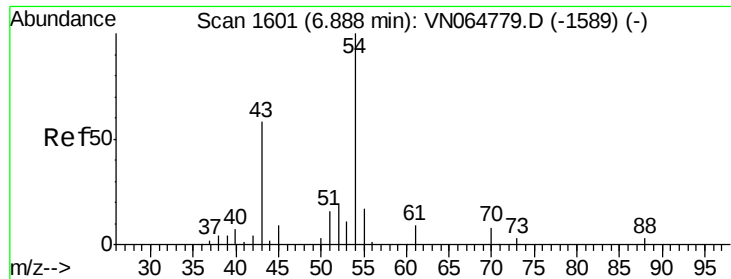
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11/24/2020 3:01:31 PM



#36
1,1-Dichloropropene
Concen: 18.427 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.8	53.3
77	30.3	25.0	37.4





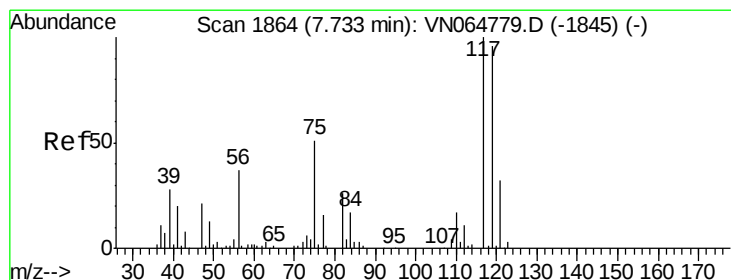
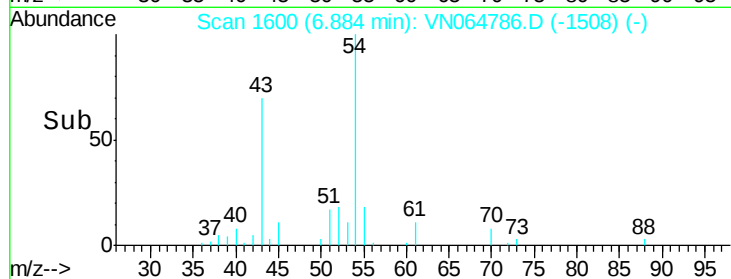
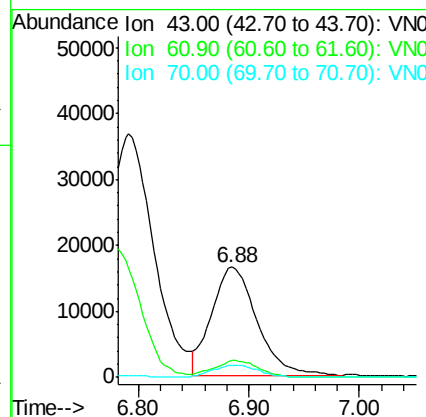
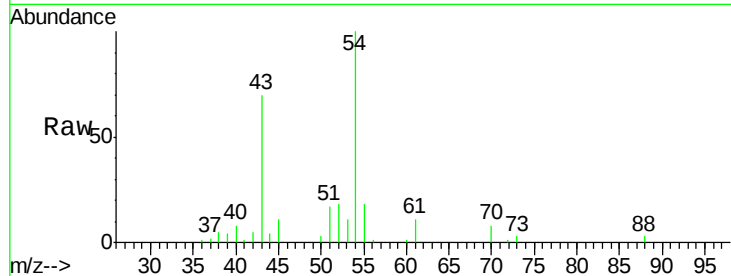
#37
Ethyl Acetate
Concen: 18.331 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.8	19.2
70	11.1	8.8	13.2

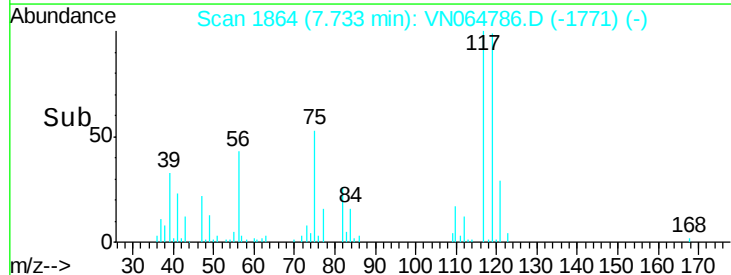
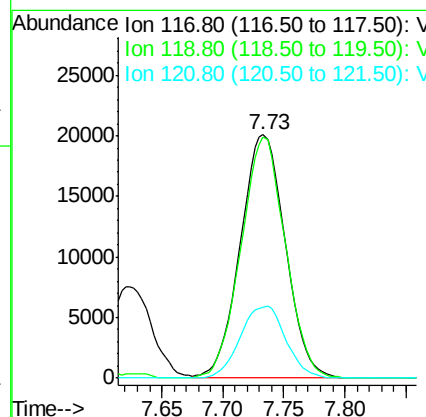
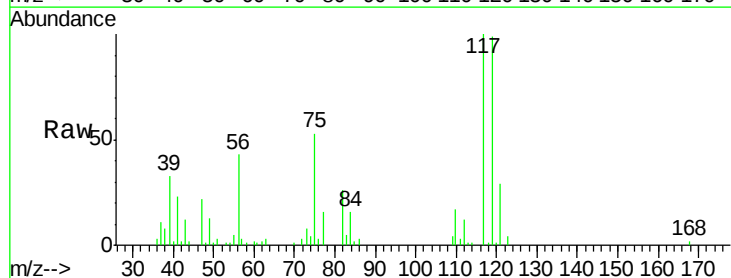
Manual Integrations
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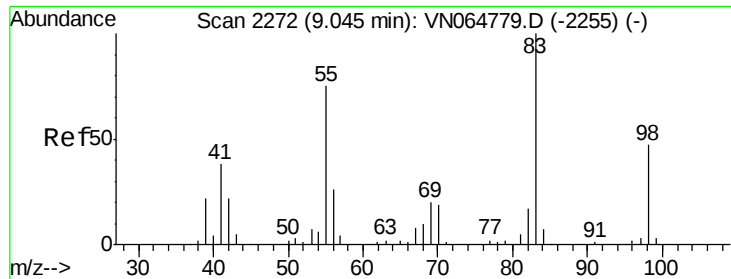
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#38
Carbon Tetrachloride
Concen: 18.474 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.7	115.1
121	29.2	25.4	38.2





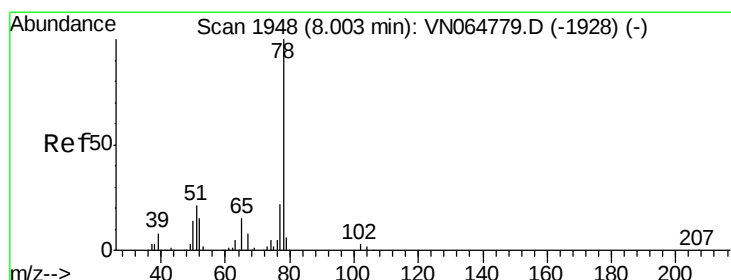
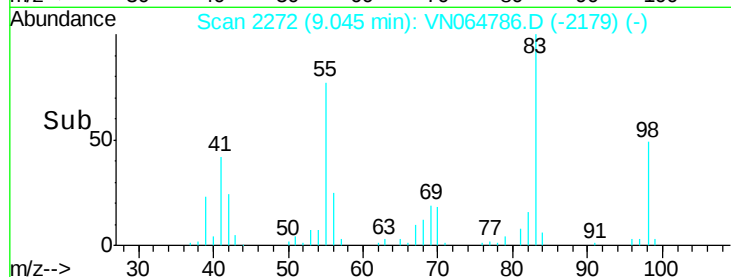
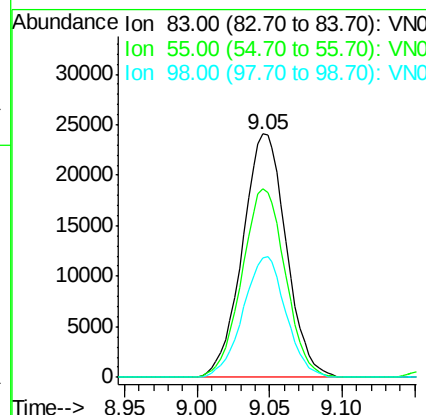
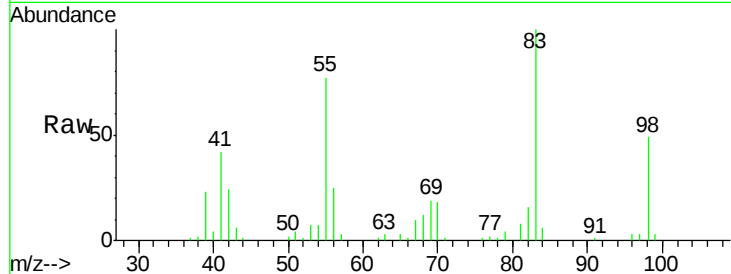
#39
Methvlcvclohexane
Concen: 17.580 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	60.2	90.2
98	49.0	37.4	56.2

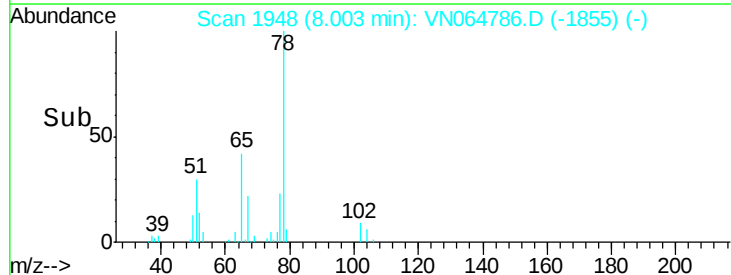
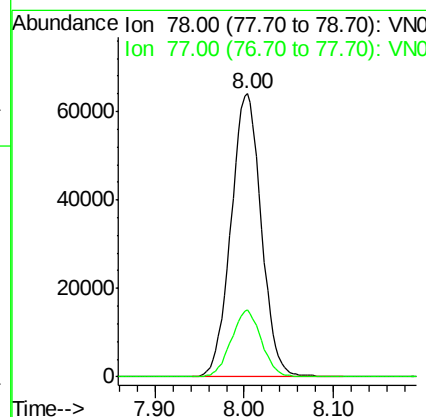
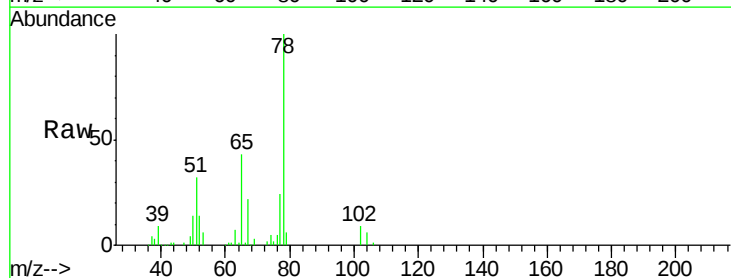
Manual Integrations
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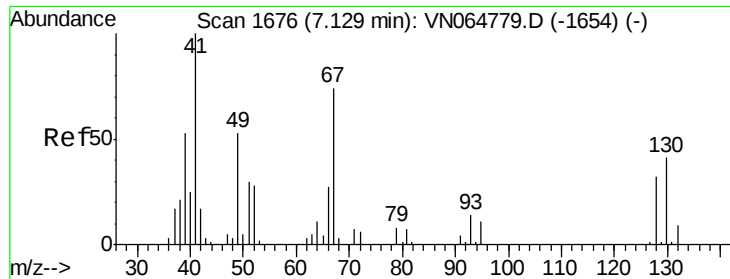
MMDadoda
11/24/2020 3:01:31 PM



#40
Benzene
Concen: 18.419 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.9	26.9





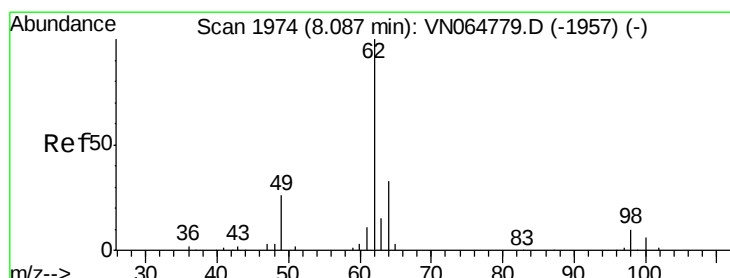
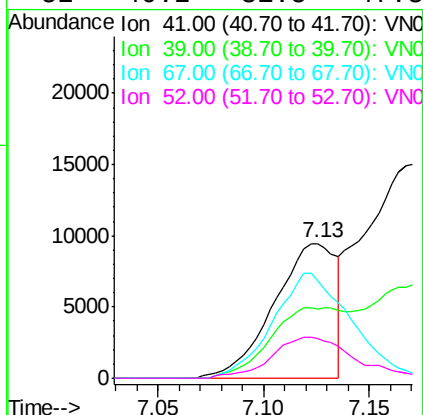
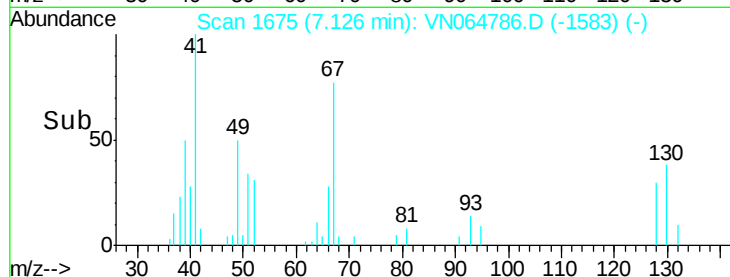
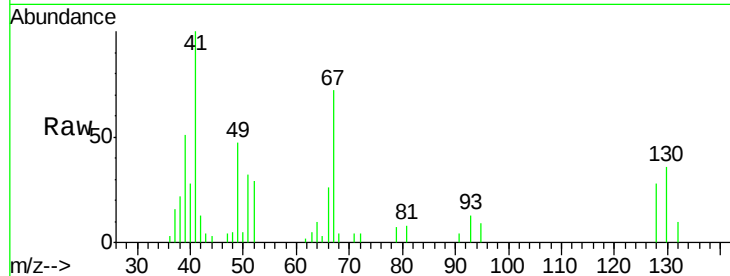
#41
Methacrylonitrile
Concen: 16.366 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	41.2	51.0	76.6	
67	98.4	79.8	119.8	
52	40.2	31.5	47.3	

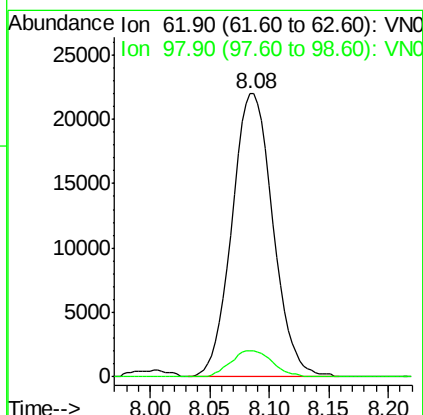
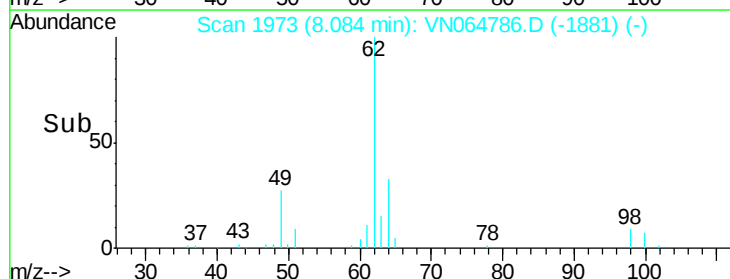
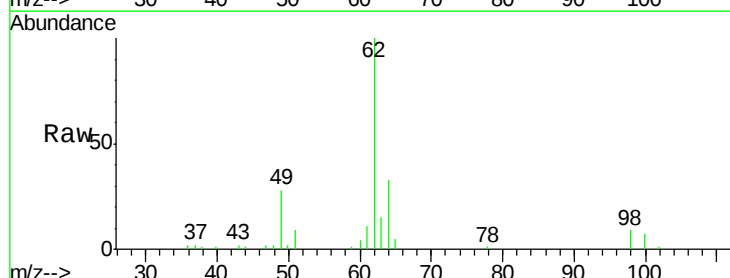
Manual Integrations
APPROVED

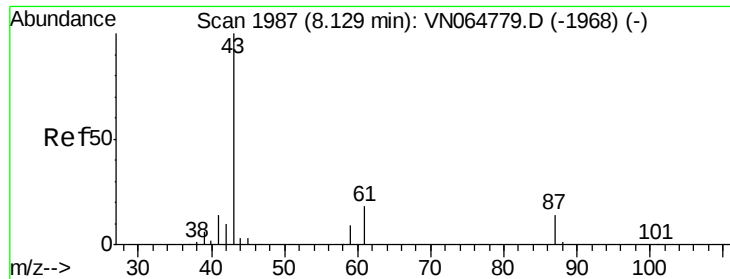
MMDadoda
11/24/2020 3:01:31 PM



#42
1,2-Dichloroethane
Concen: 19.029 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.6	





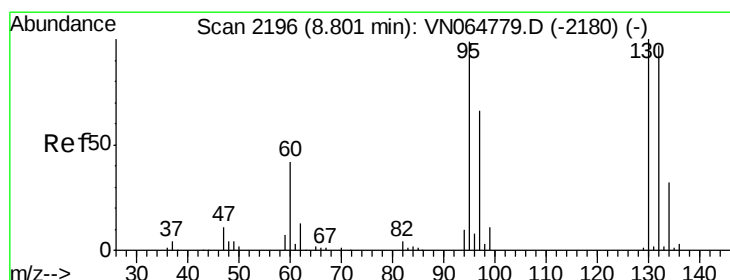
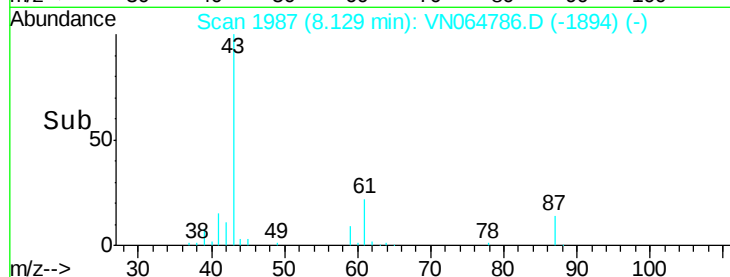
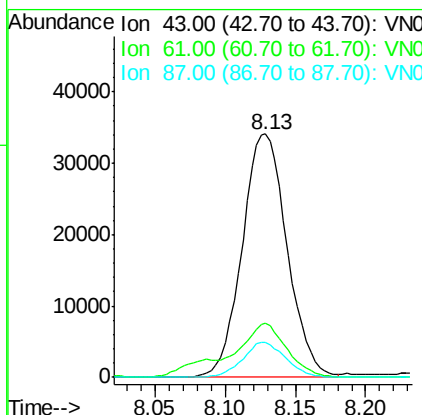
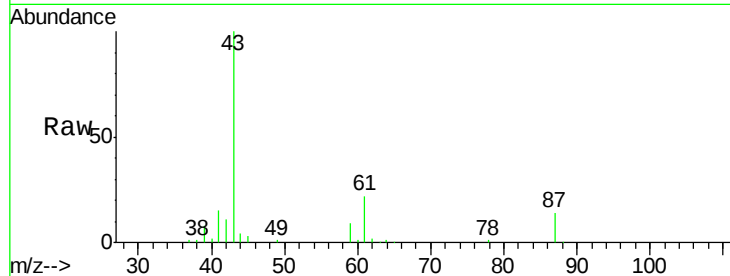
#43
Isopropyl Acetate
Concen: 18.337 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.2	25.8
87	13.7	11.4	17.0

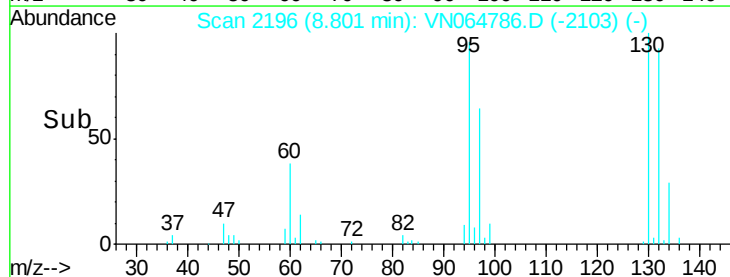
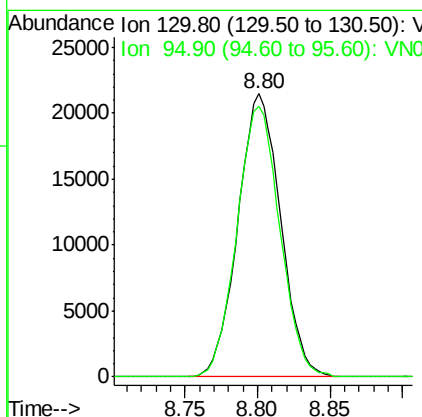
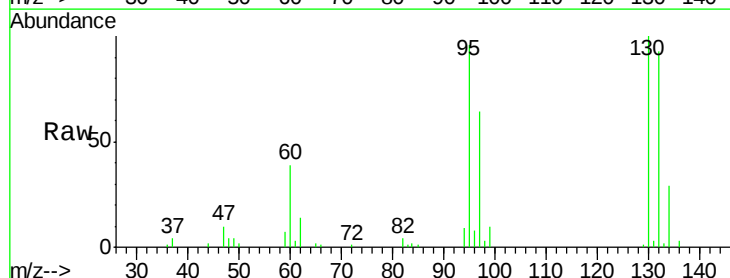
Manual Integrations
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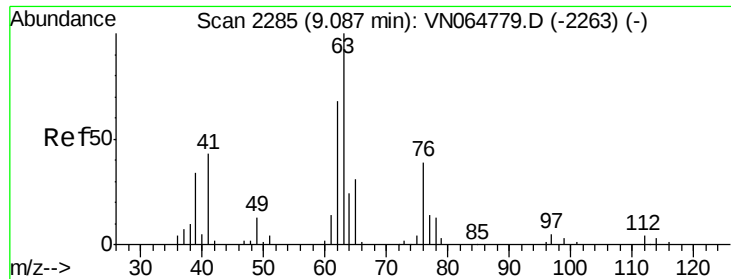
MMDadoda
11/24/2020 3:01:31 PM



#44
Trichloroethene
Concen: 18.204 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	197.8





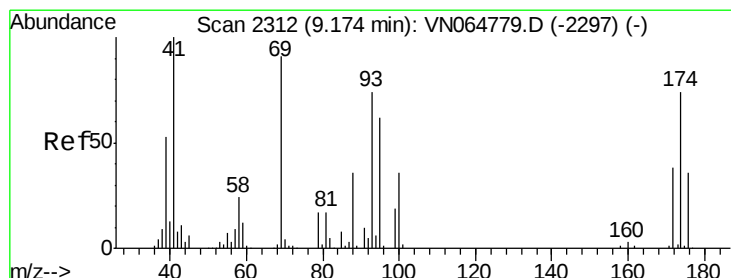
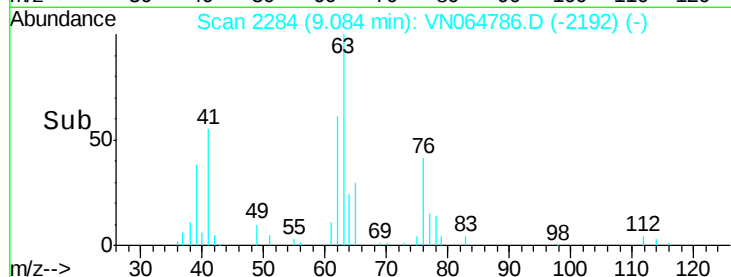
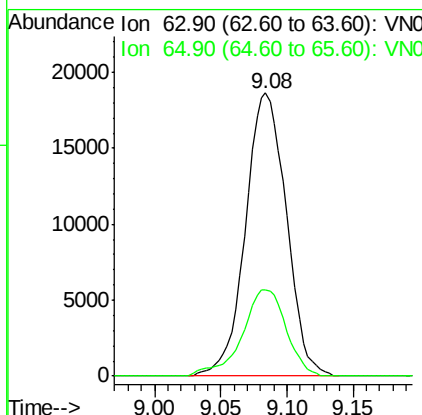
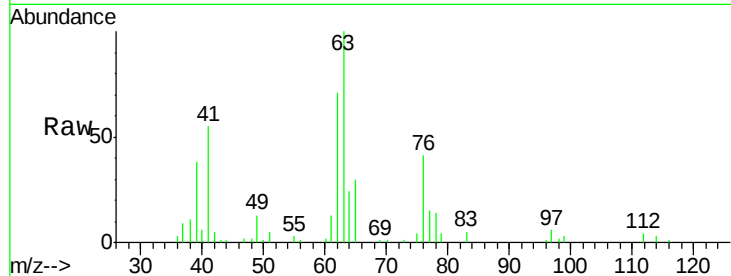
#45
 1,2-Dichloropropane
 Concen: 18.877 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion: 63 Resp: 40009
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

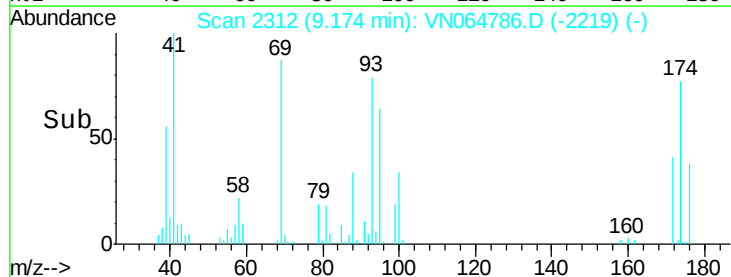
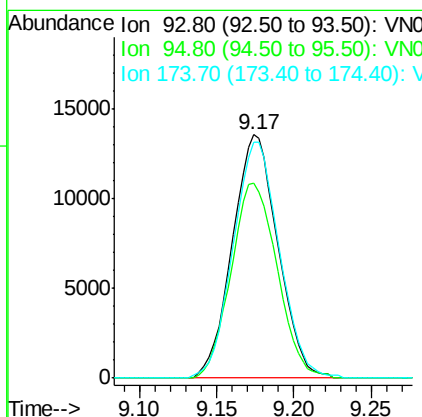
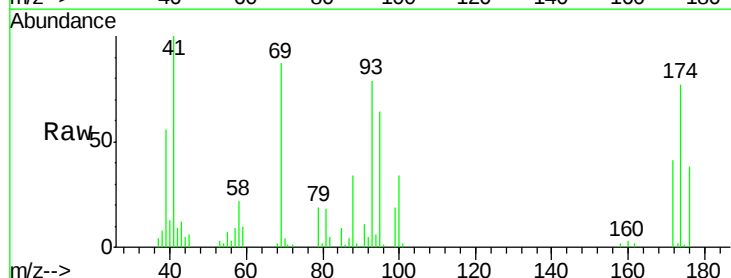
Manual Integrations
 APPROVED

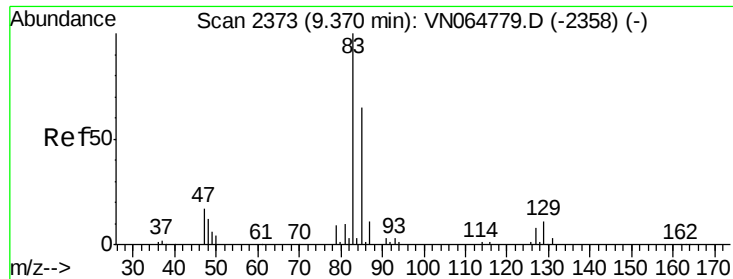
MMDadoda
 11/24/2020 3:01:31 PM



#46
 Dibromomethane
 Concen: 19.510 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion: 93 Resp: 27624
 Ion Ratio Lower Upper
 93 100
 95 81.5 68.8 103.2
 174 98.5 83.1 124.7





#47

Bromodichloromethane

Concen: 18.378 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

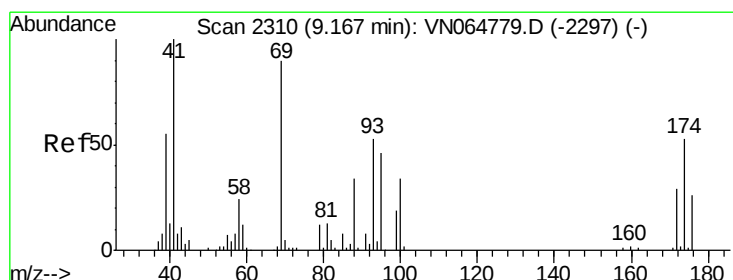
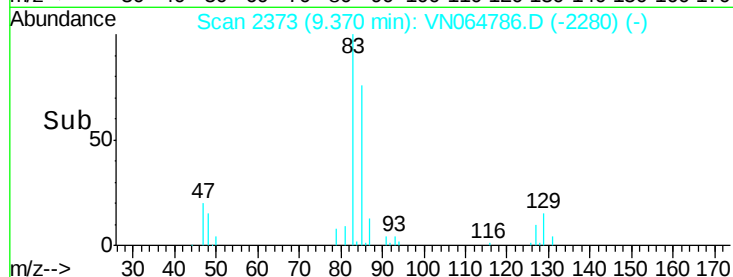
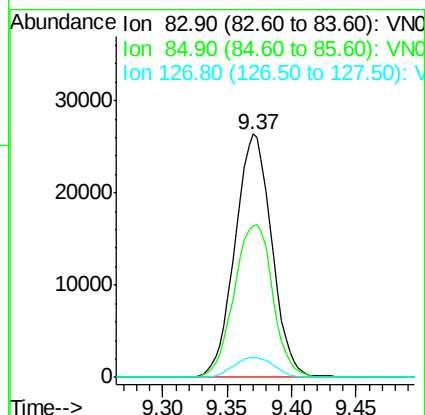
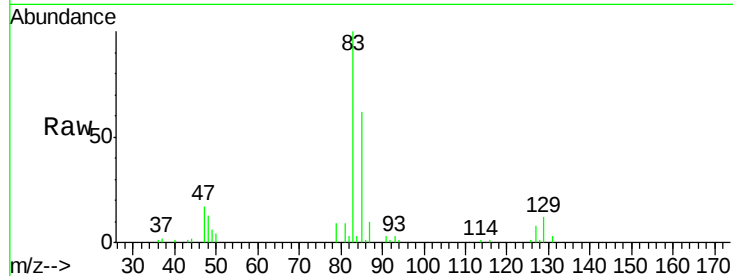
ClientSampleId :

VN1123WBSD01

Tot Ion:	83	Resp:	52360
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.8
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.294 ug/l

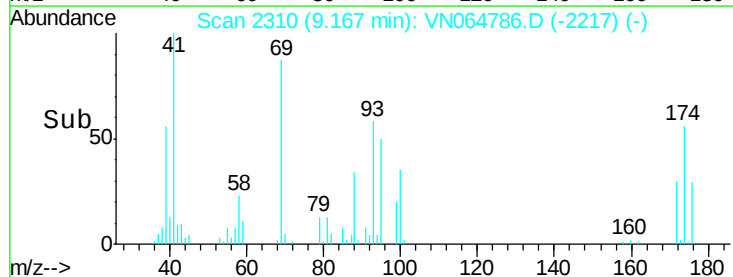
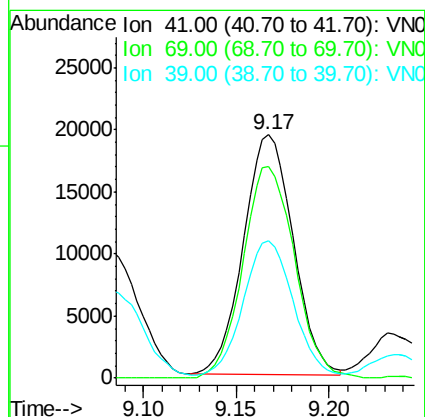
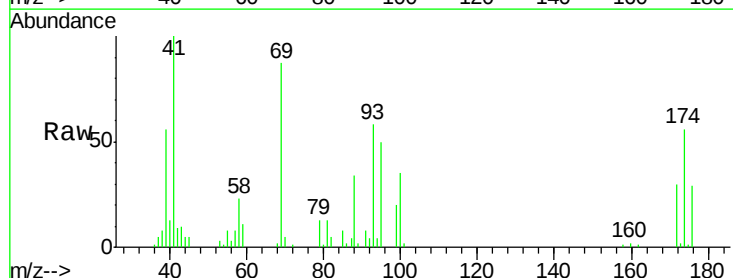
RT: 9.17 min Scan# 2310

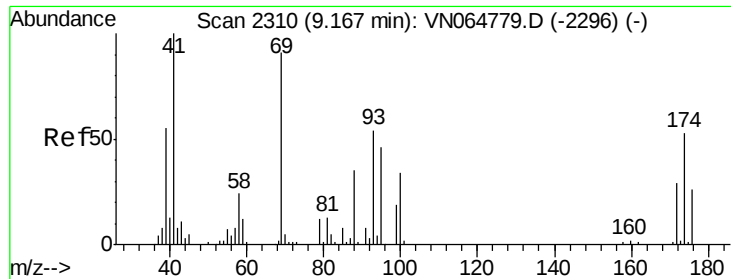
Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	41	Resp:	36188
Ion	Ratio	Lower	Upper
41	100		
69	91.4	71.8	107.8
39	58.2	44.1	66.1





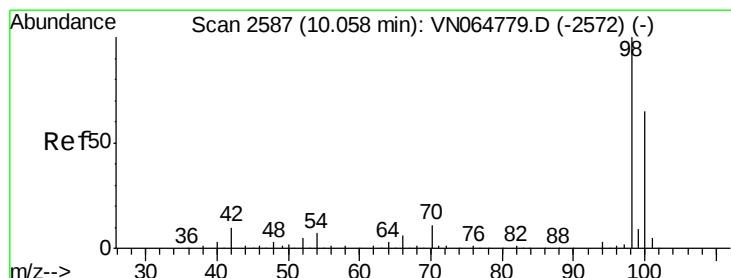
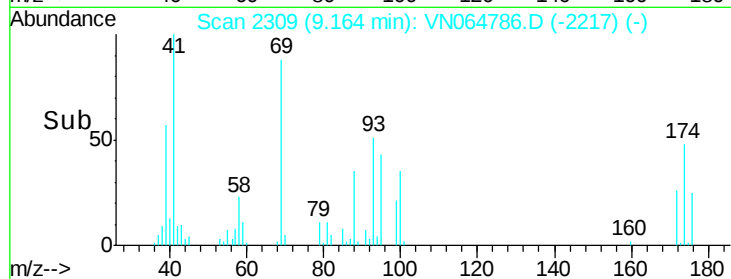
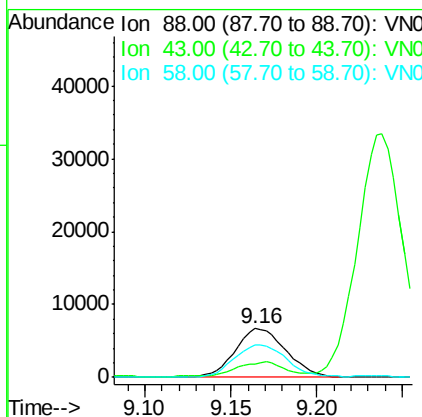
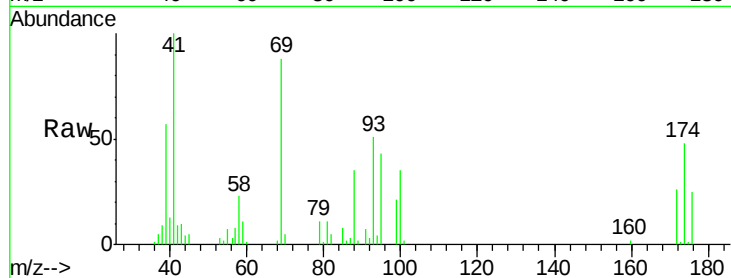
#49
1,4-Dioxane
Concen: 367.674 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.8	24.2	36.4
58	68.1	52.5	78.7

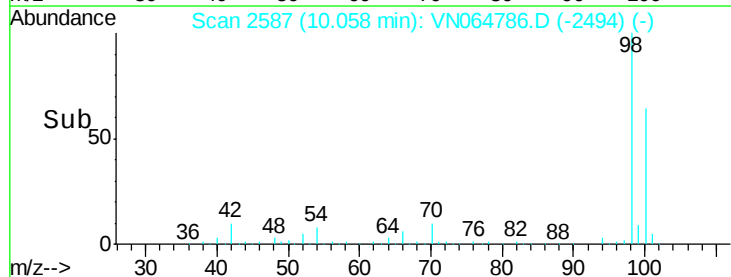
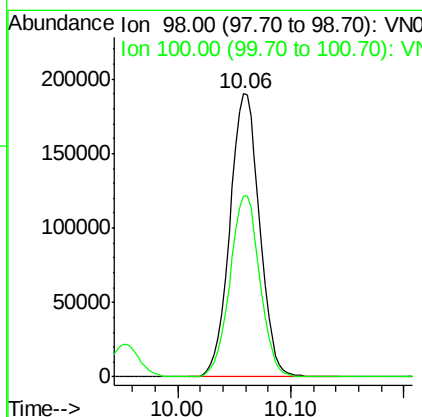
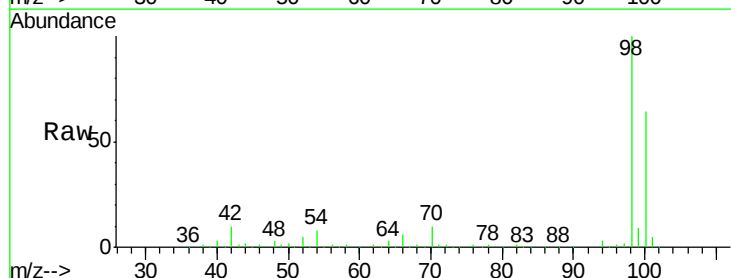
Manual Integrations
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#50
Toluene-d8
Concen: 49.263 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 94.625 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 43 Resp: 235167

Ion Ratio Lower Upper

43 100

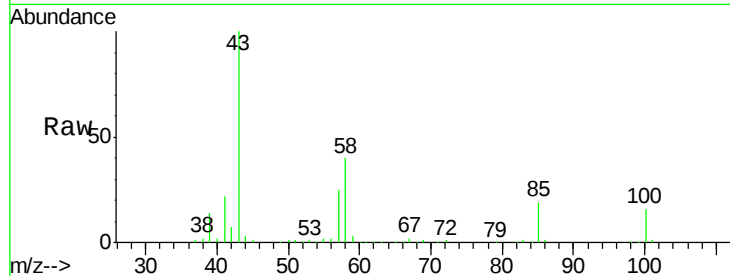
58 39.7 32.4 48.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

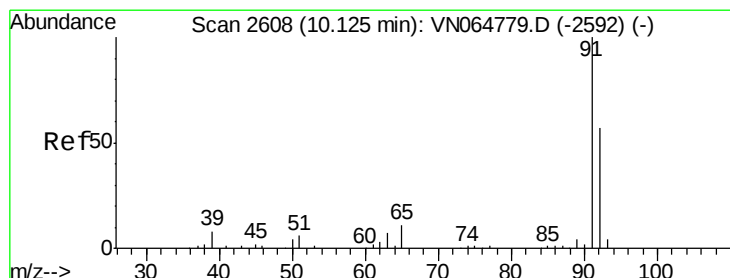
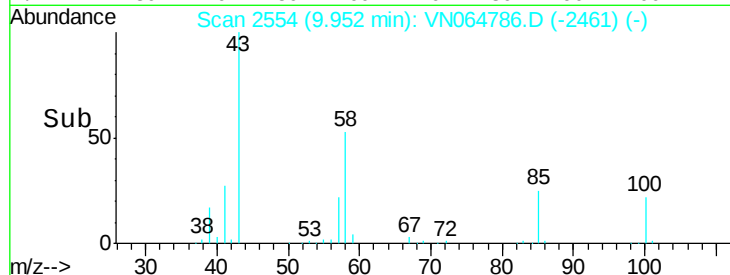
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.780 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064786.D

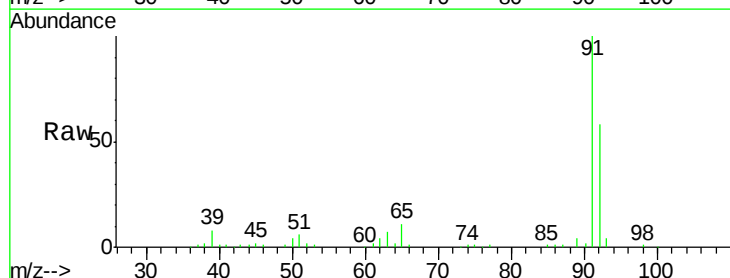
Acq: 23 Nov 2020 16:21

Tgt Ion: 92 Resp: 94655

Ion Ratio Lower Upper

92 100

91 170.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

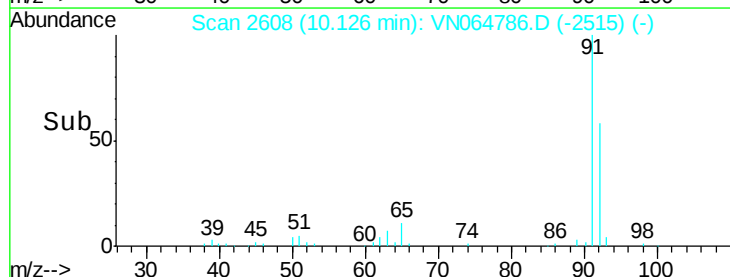
40000

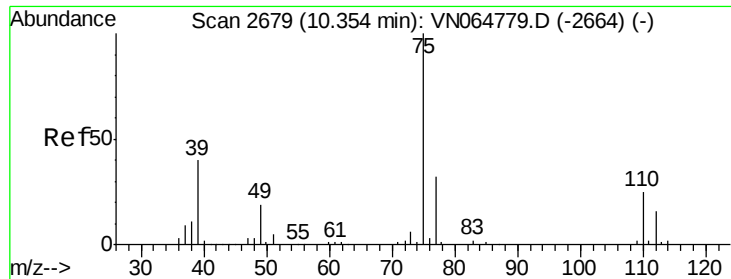
20000

0

10.10 10.13 10.20

Time-->





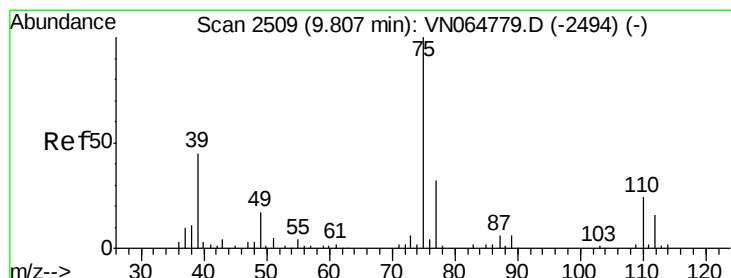
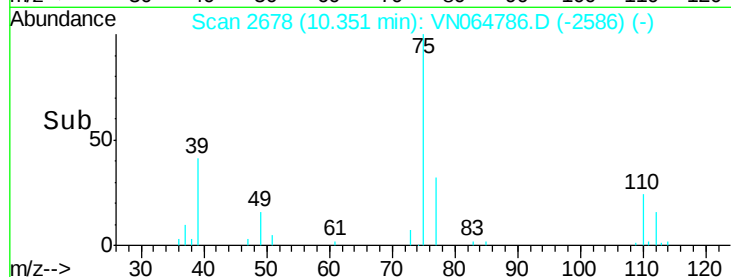
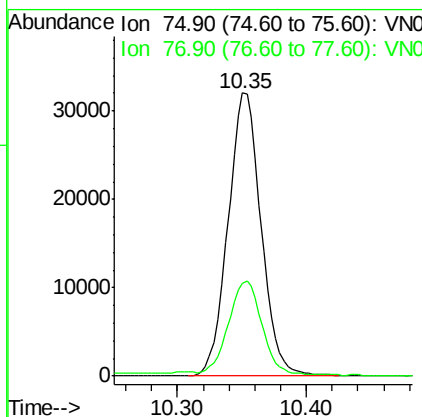
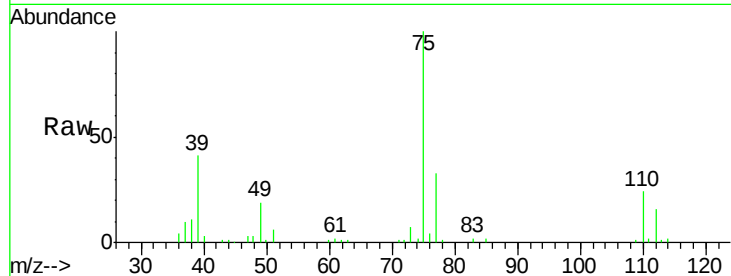
#53
t-1,3-Dichloropropene
Concen: 17.969 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion: 75 Resp: 57019
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6

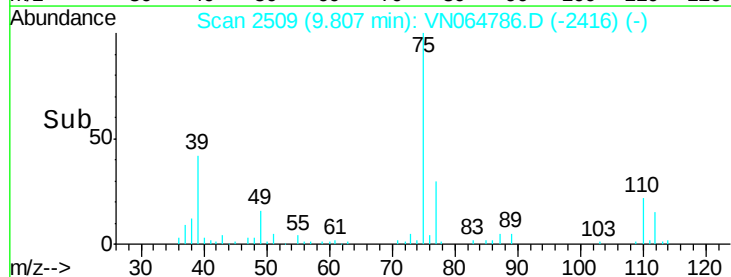
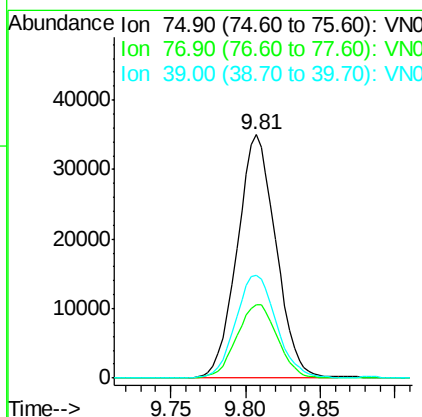
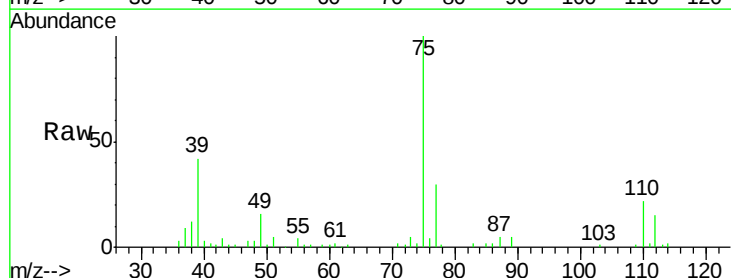
Manual Integrations
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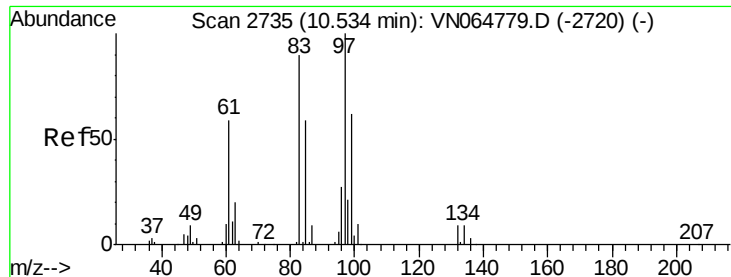
MMDadoda
11/24/2020 3:01:31 PM



#54
cis-1,3-Dichloropropene
Concen: 18.529 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion: 75 Resp: 63022
Ion Ratio Lower Upper
75 100
77 30.3 25.5 38.3
39 42.4 35.6 53.4





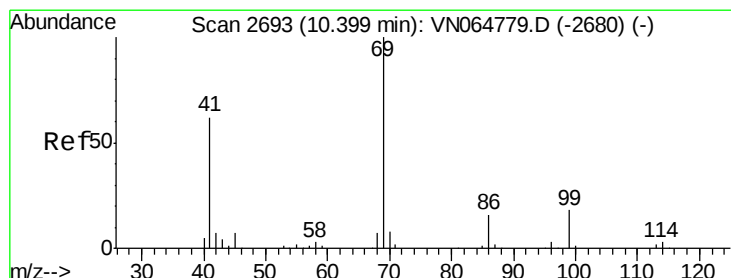
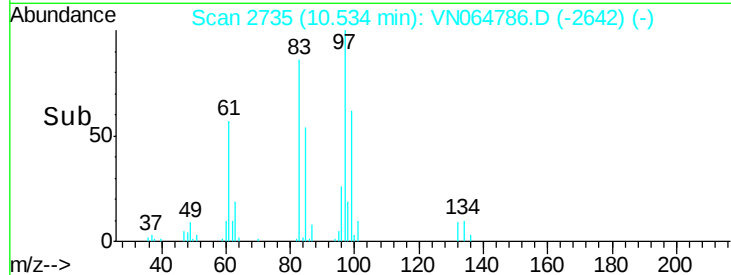
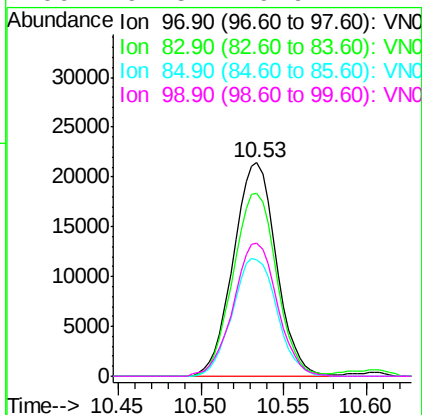
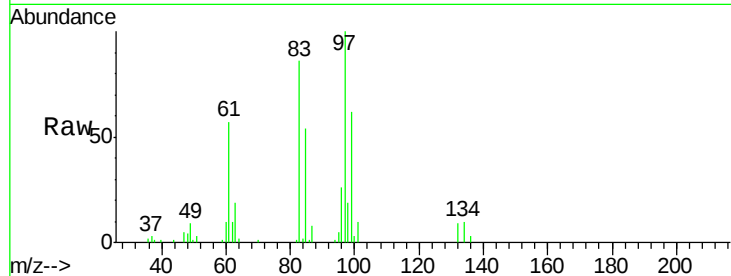
#55
 1,1,2-Trichloroethane
 Concen: 18.654 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		38662		
83	85.9	72.1	108.1		
85	54.4	46.8	70.2		
99	62.5	49.6	74.4		

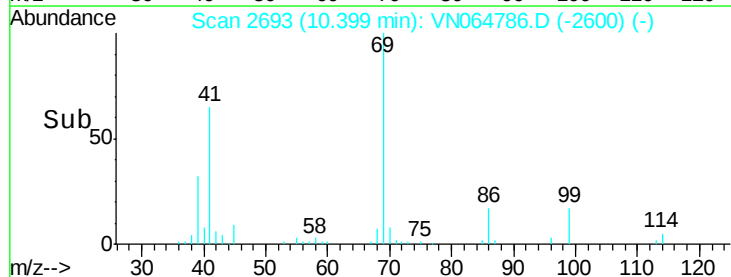
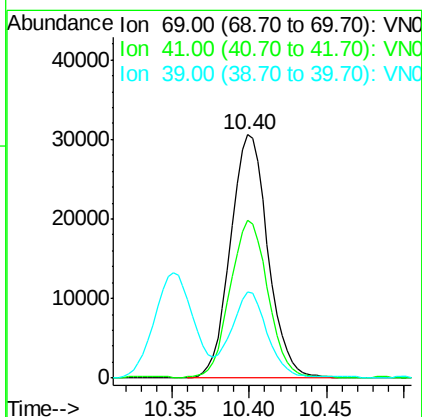
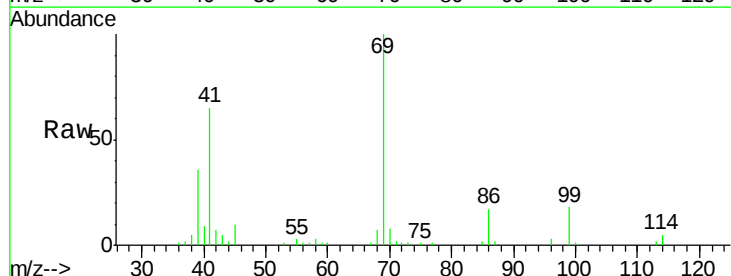
Manual Integrations
 APPROVED

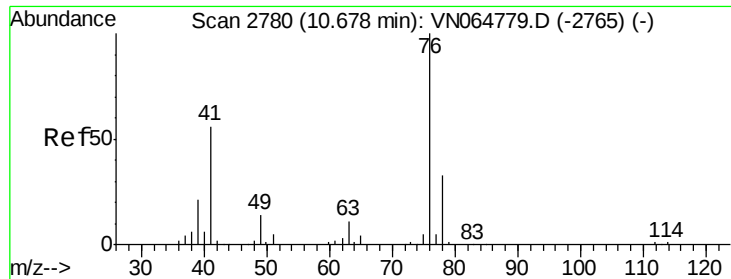
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#56
 Ethyl methacrylate
 Concen: 17.971 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		51396		
41	65.9	49.4	74.0		
39	33.4	25.9	38.9		





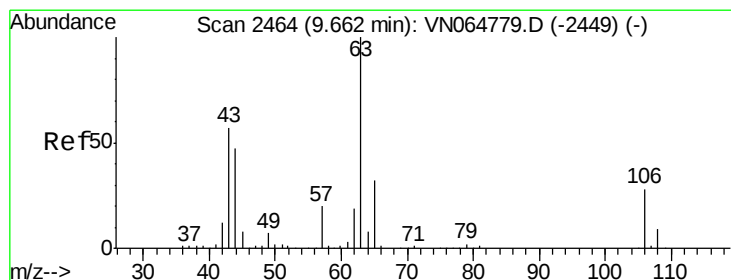
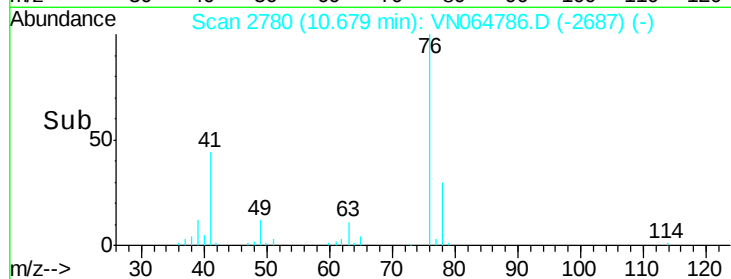
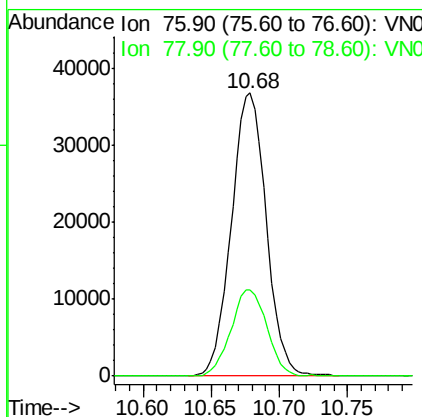
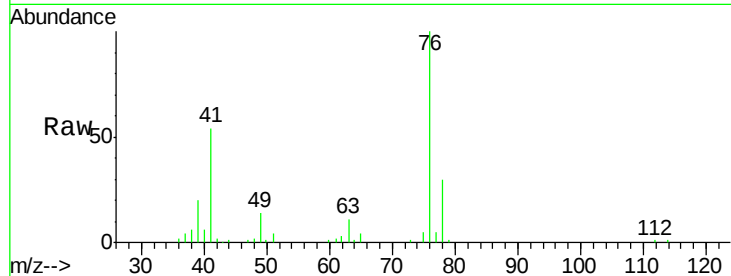
#57
 1,3-Dichloropropane
 Concen: 19.079 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion: 76 Resp: 65228
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.1 39.1

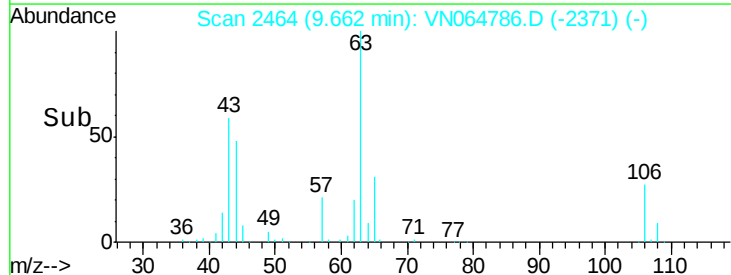
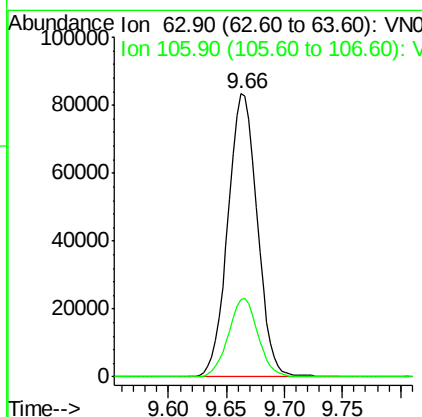
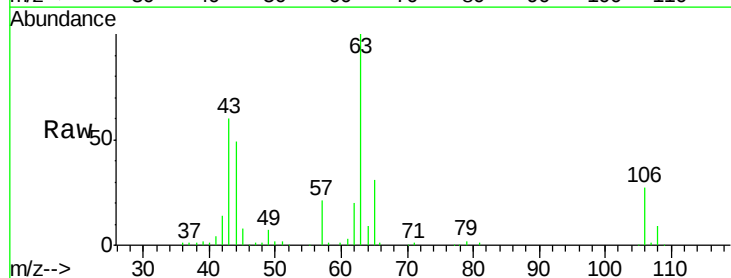
Manual Integrations
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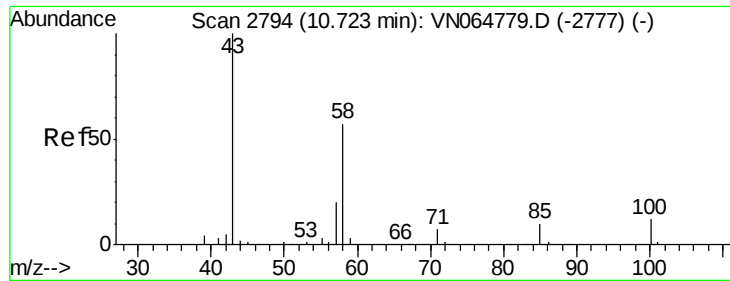
MMDadoda
 11/24/2020 3:01:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.183 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion: 63 Resp: 146597
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.7 34.1





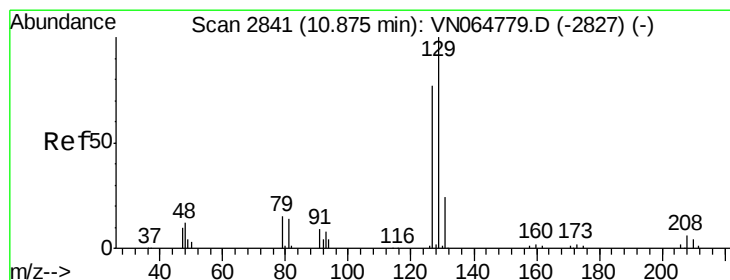
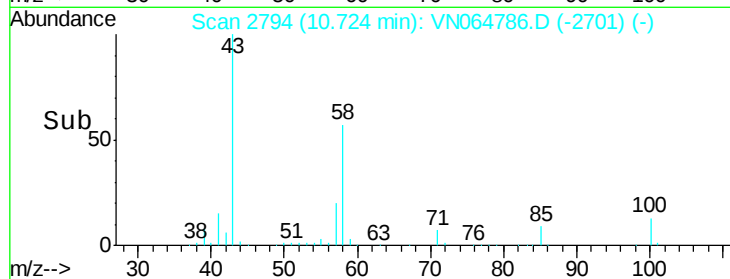
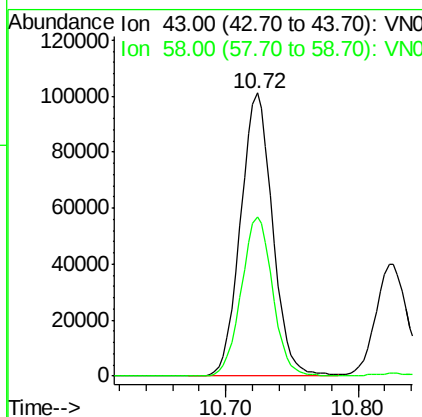
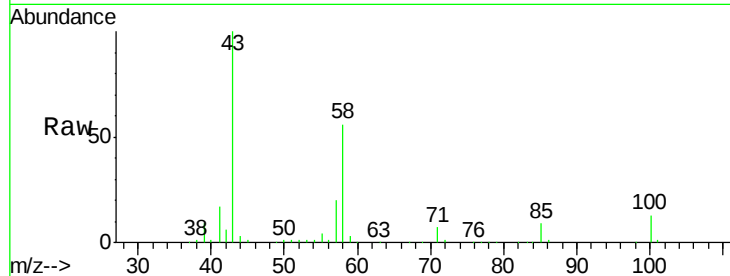
#59
2-Hexanone
Concen: 94.706 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion: 43 Resp: 169392
Ion Ratio Lower Upper
43 100
58 55.4 28.3 84.9

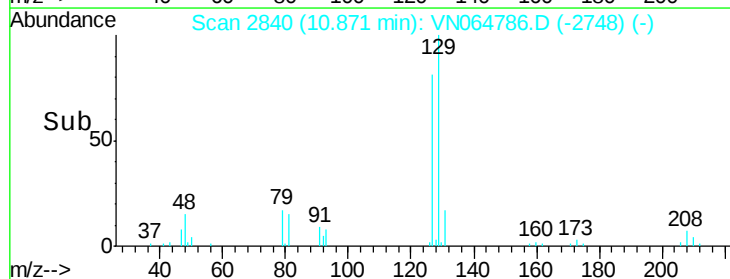
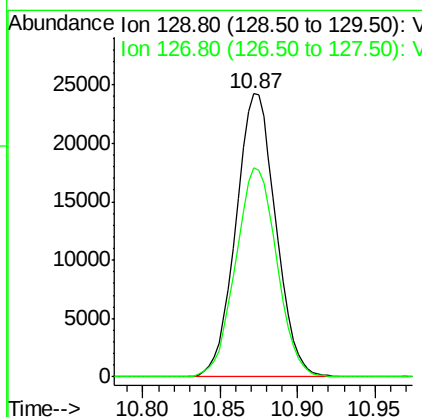
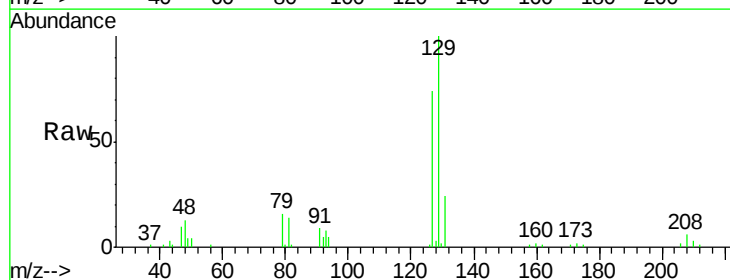
Manual Integrations
APPROVED

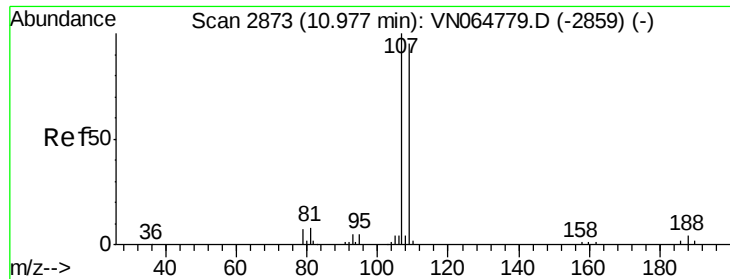
MMDadoda
11/24/2020 3:01:31 PM



#60
Dibromochloromethane
Concen: 18.861 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion: 129 Resp: 43453
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





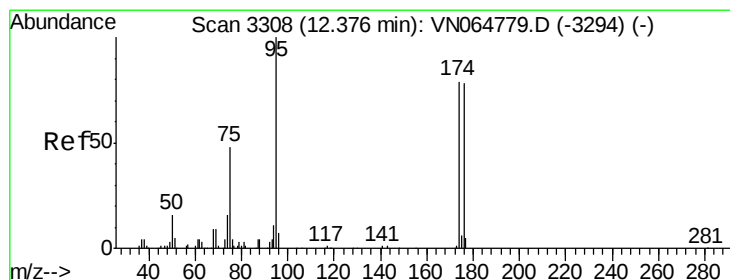
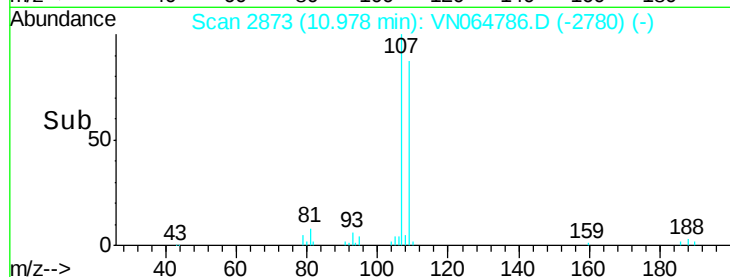
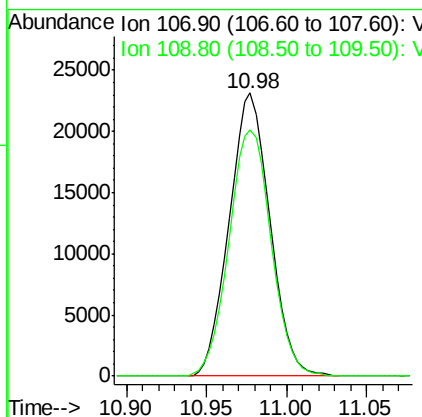
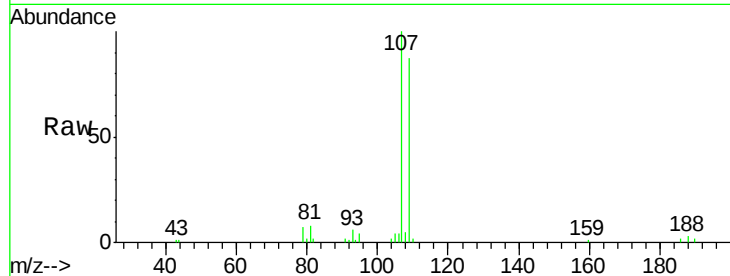
#61
 1,2-Dibromoethane
 Concen: 19.040 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.2	76.0	114.0

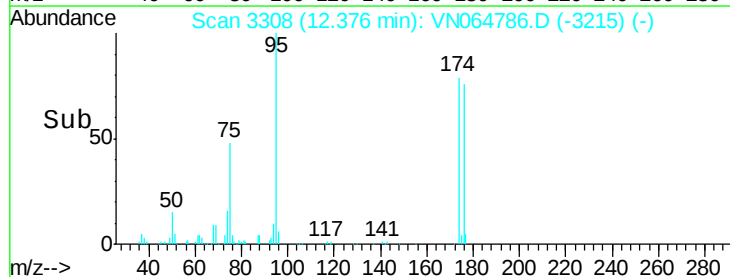
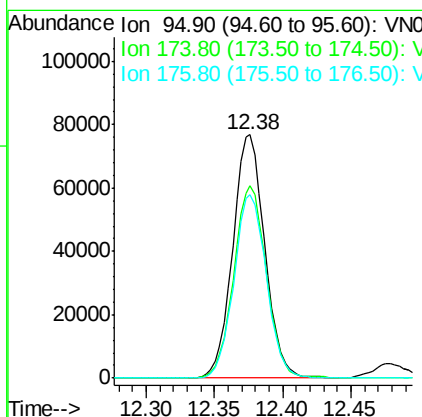
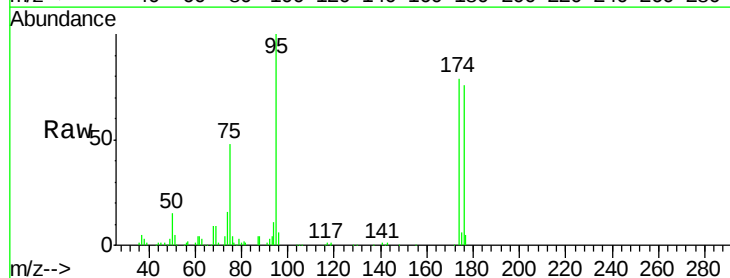
Manual Integrations
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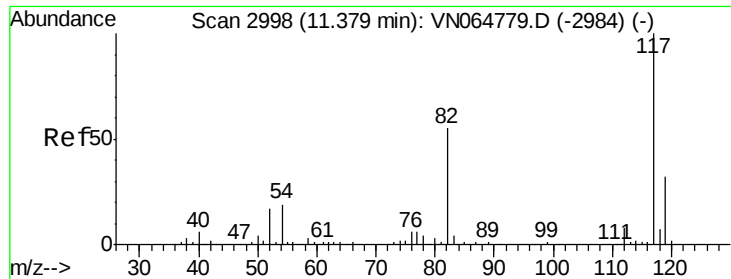
MMDadoda
 11/24/2020 3:01:31 PM



#62
 4-Bromofluorobenzene
 Concen: 49.523 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	160.4
176	76.5	0.0	158.4





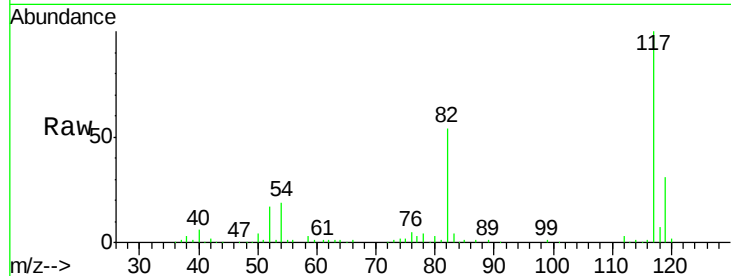
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	31.1	25.8	38.6

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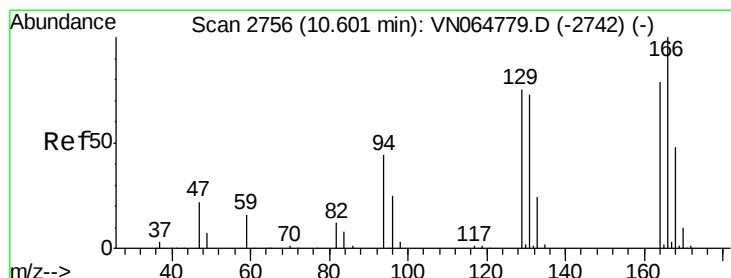
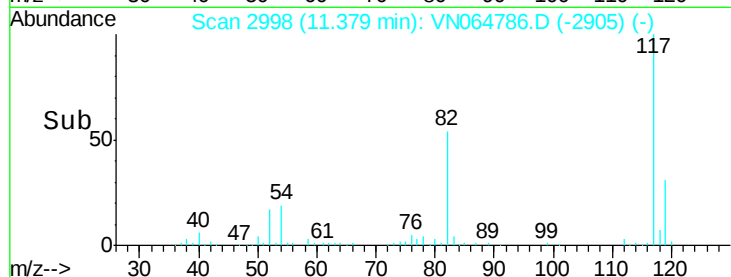
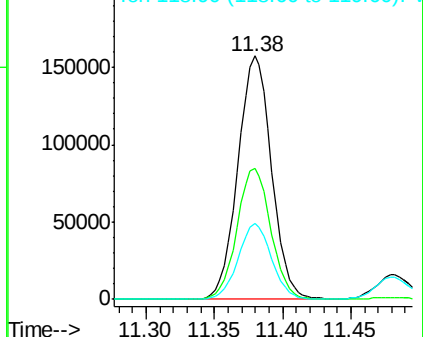


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.068 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	101.4	152.0
129	100.8	76.1	114.1
131	91.3	74.2	111.2

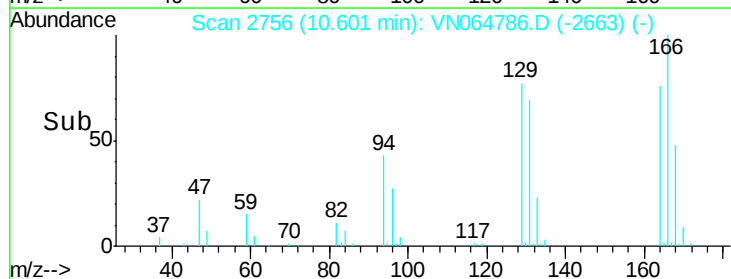
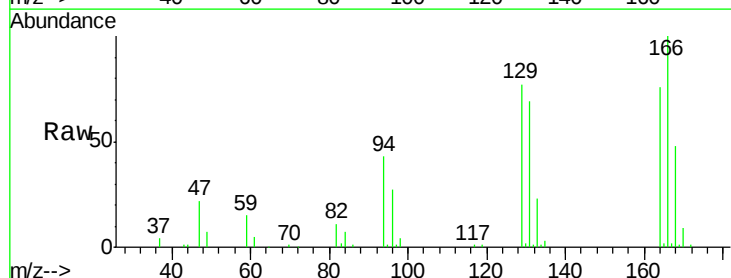
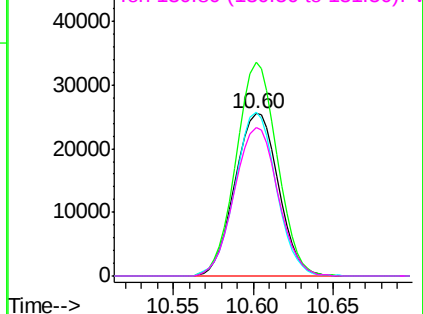
Abundance

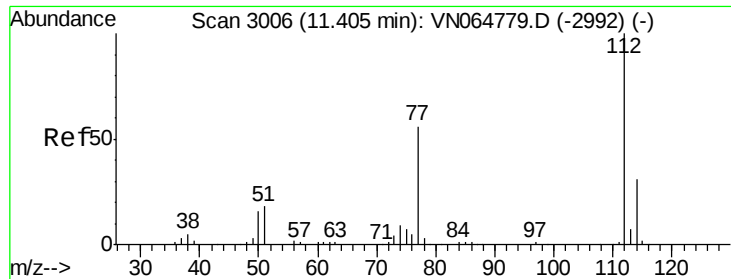
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





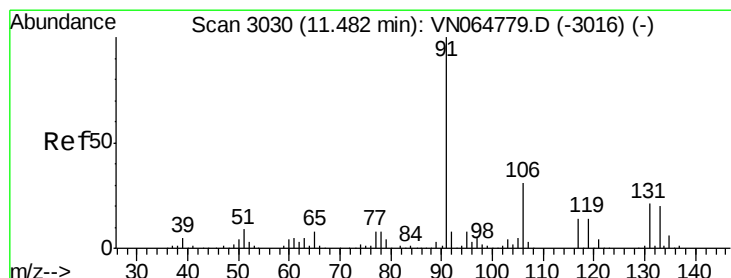
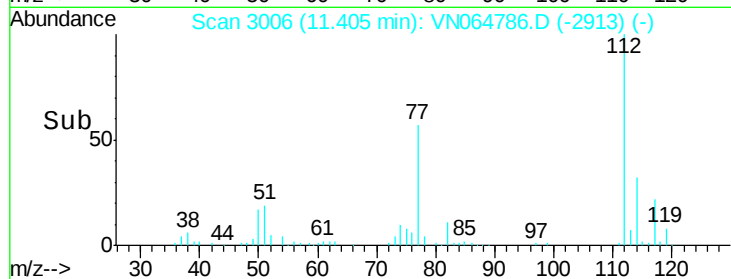
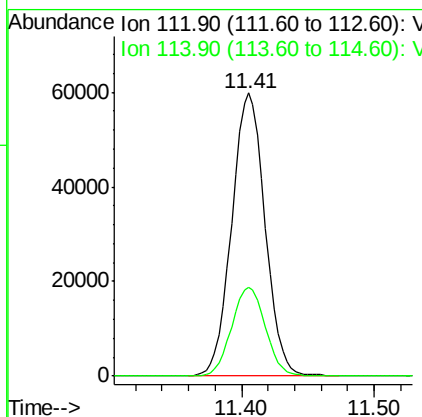
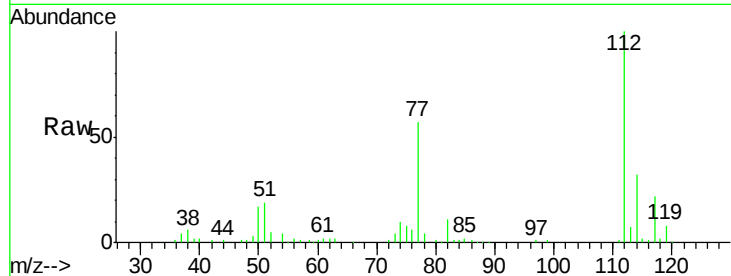
#65
Chlorobenzene
Concen: 17.993 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion:112 Resp: 104084
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

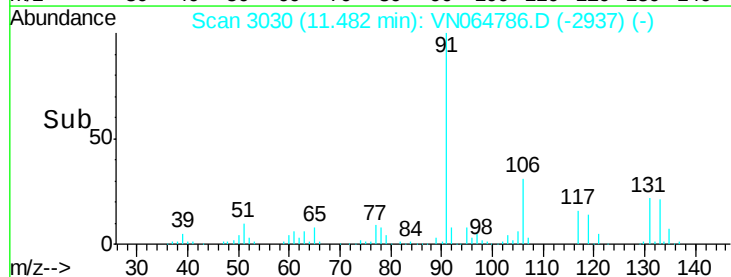
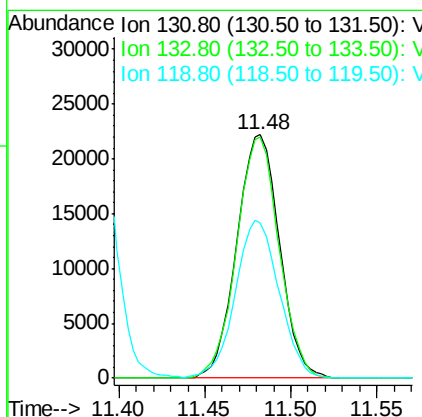
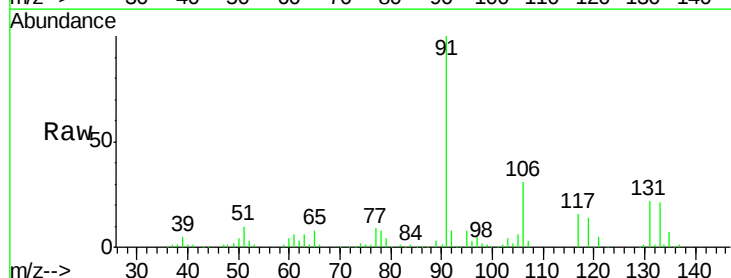
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.062 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion:131 Resp: 38396
Ion Ratio Lower Upper
131 100
133 98.5 47.5 142.5
119 66.3 33.3 99.8





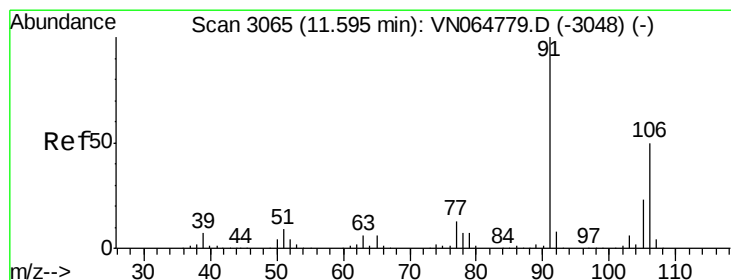
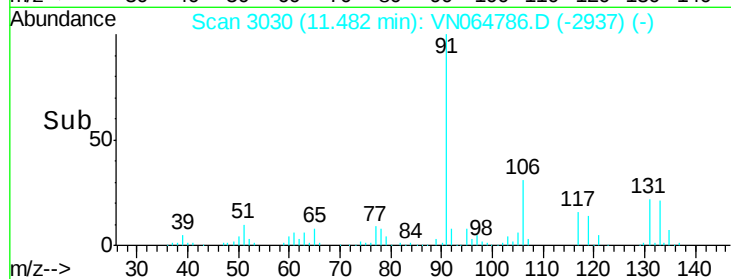
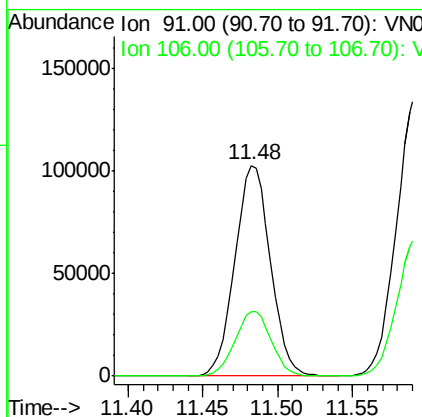
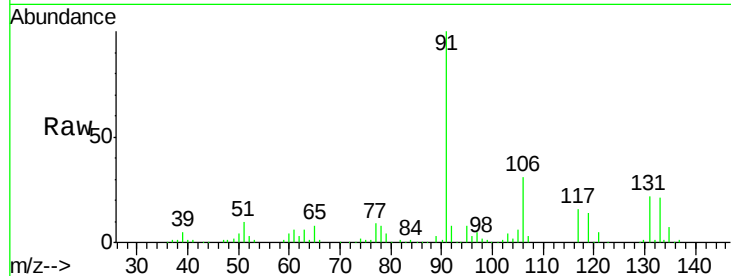
#67
Ethyl Benzene
Concen: 17.613 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion: 91 Resp: 170204
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8

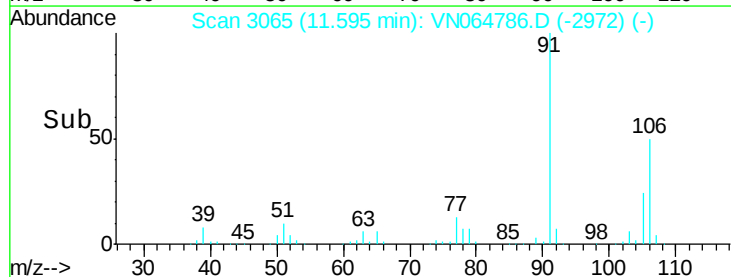
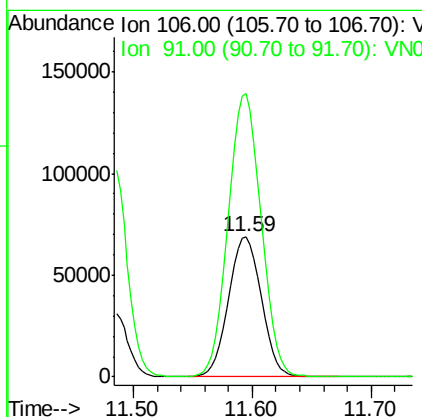
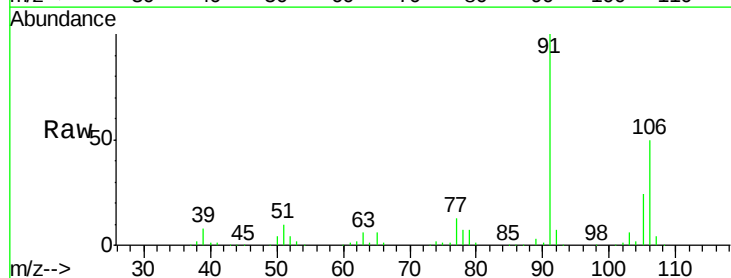
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#68
m/p-Xylenes
Concen: 36.170 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion: 106 Resp: 132335
Ion Ratio Lower Upper
106 100
91 201.1 161.0 241.4





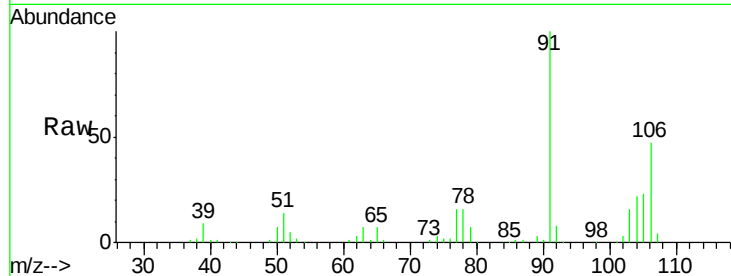
#69
o-Xylene
Concen: 18.277 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

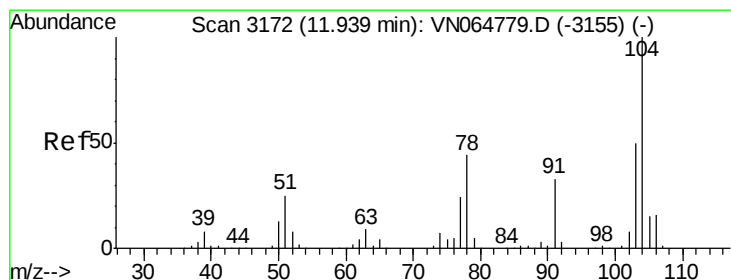
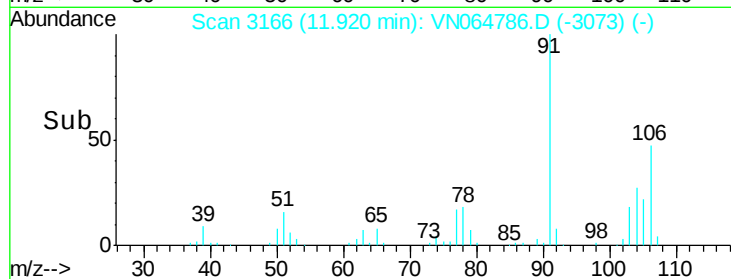
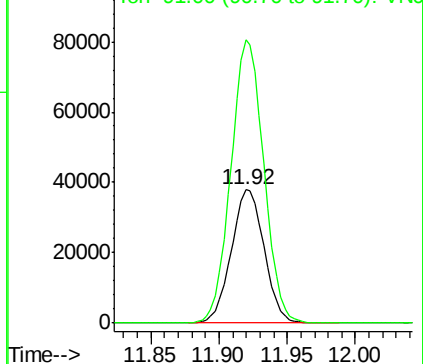
Tot Ion:106 Resp: 63454
Ion Ratio Lower Upper
106 100
91 212.2 105.5 316.5

Manual Integrations
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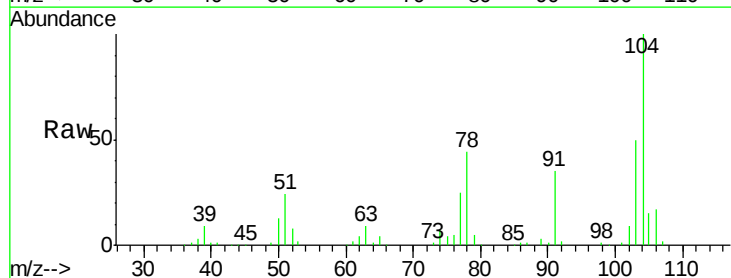


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

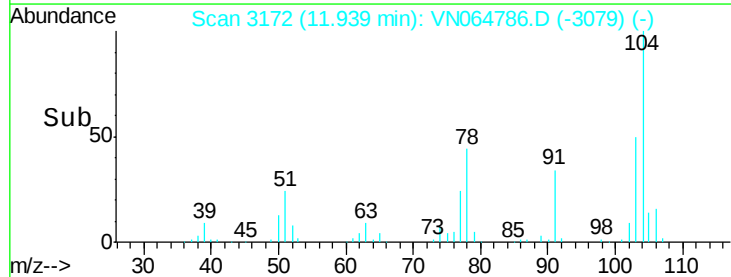
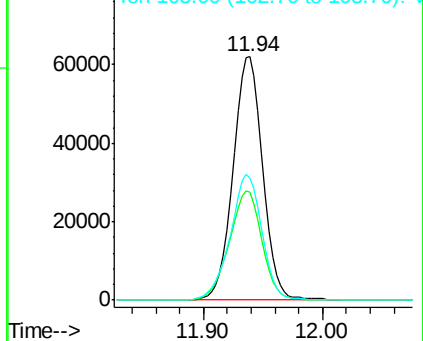


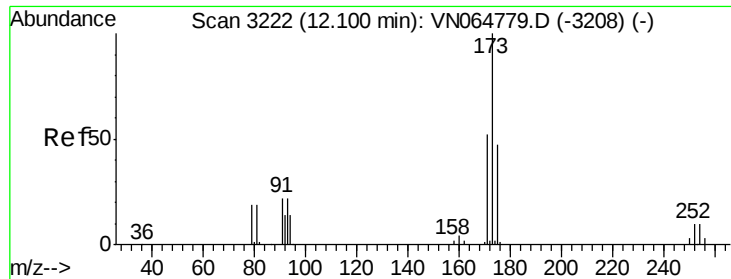
#70
Styrene
Concen: 18.217 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion:104 Resp: 106771
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.6
103 55.4 44.3 66.5



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





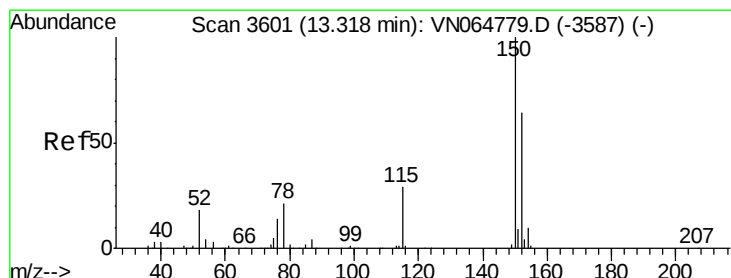
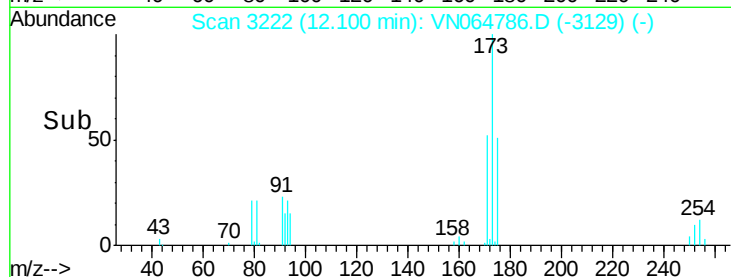
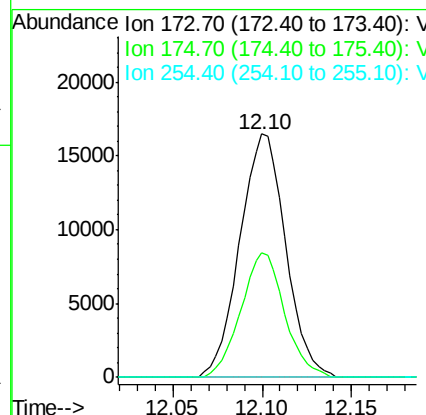
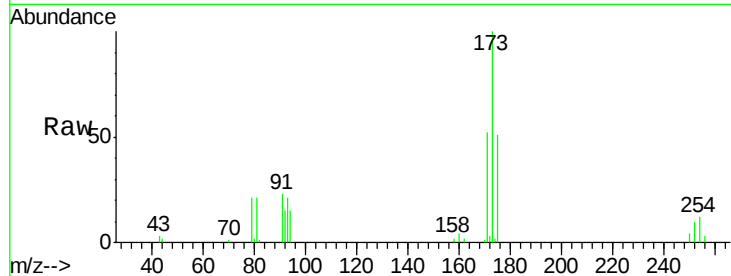
#71
Bromoform
Concen: 17.322 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

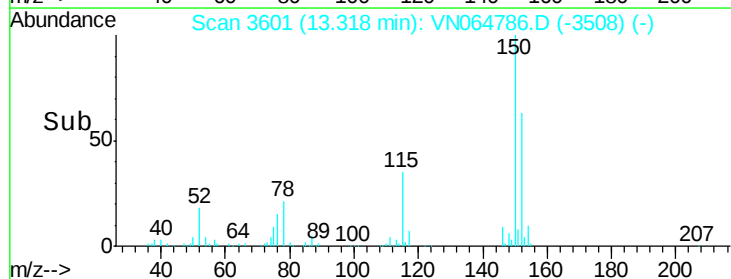
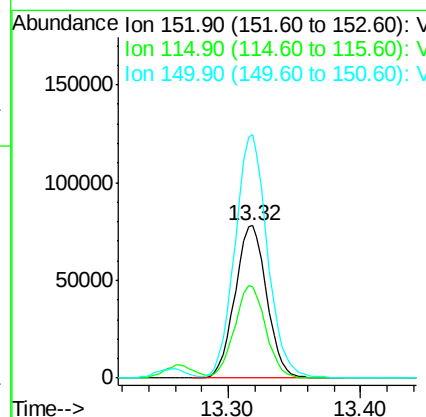
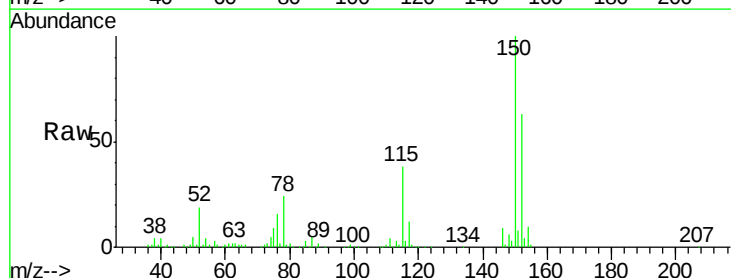
Manual Integrations
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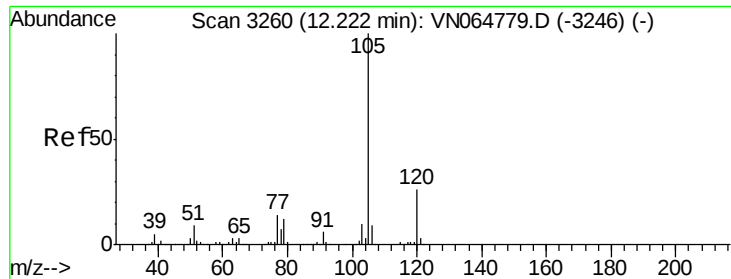
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.7	89.1
150	162.3	0.0	350.6





#73

Isopropylbenzene

Concen: 18.303 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 105 Resp: 165326

Ion Ratio Lower Upper

105 100

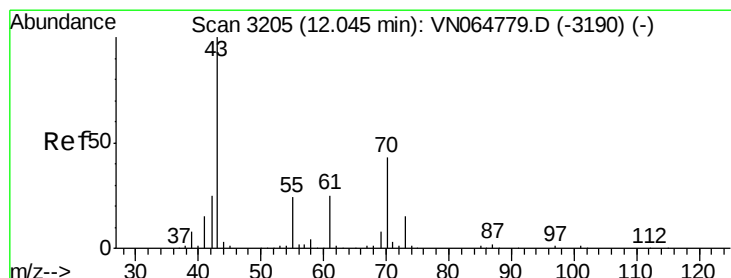
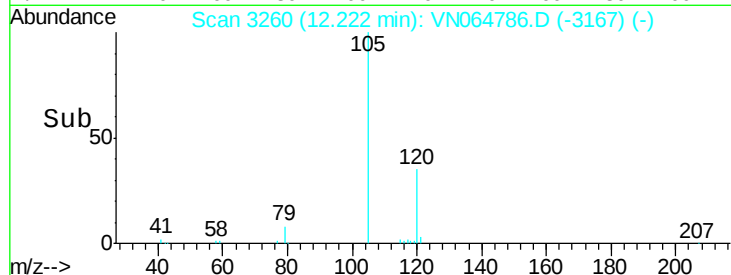
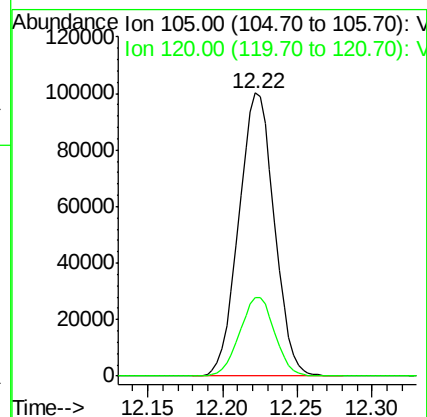
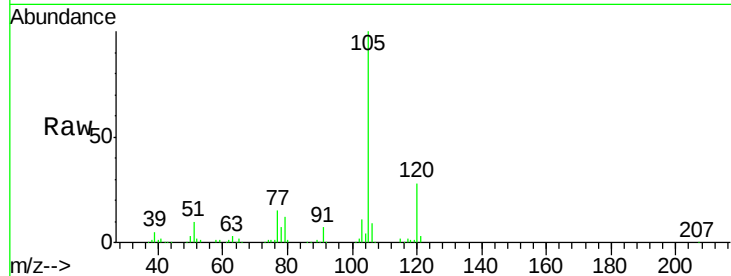
120 27.4 13.3 39.9

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#74

N-ethyl acetate

Concen: 18.178 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion: 43 Resp: 64619

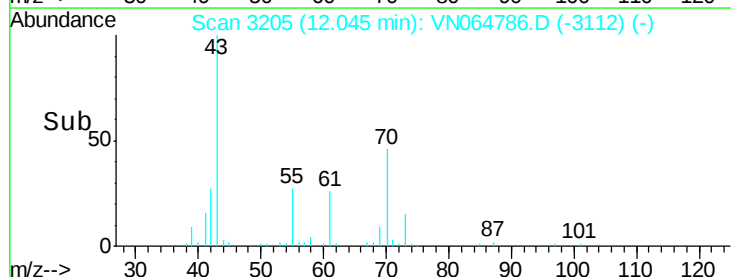
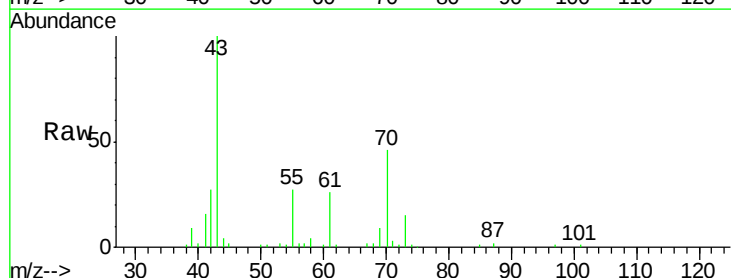
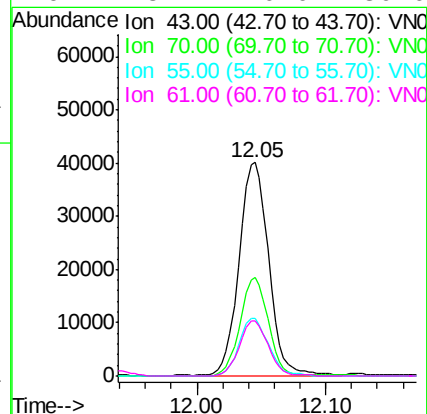
Ion Ratio Lower Upper

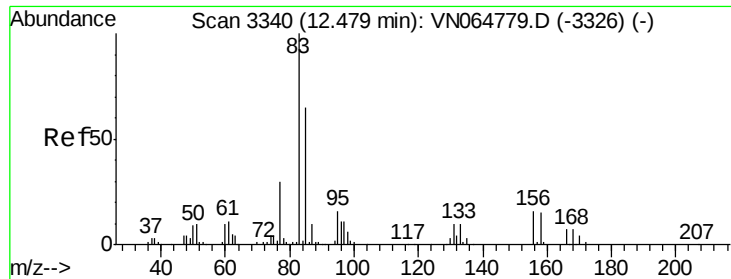
43 100

70 43.6 34.5 51.7

55 26.7 20.4 30.6

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.257 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

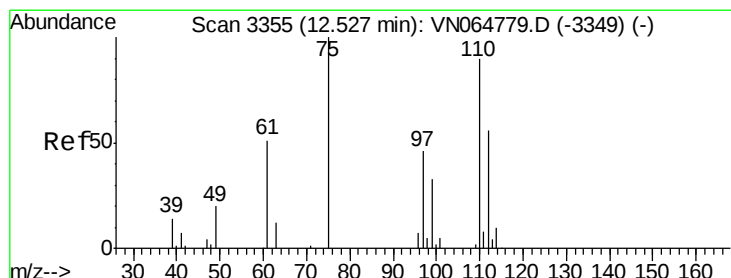
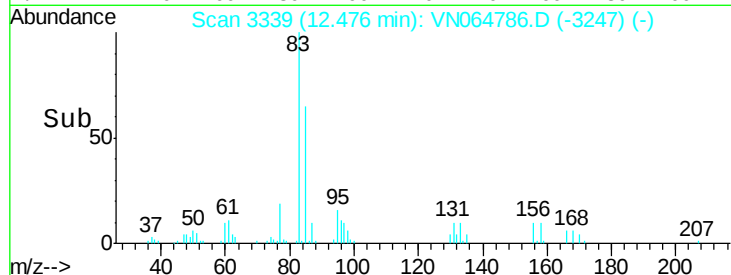
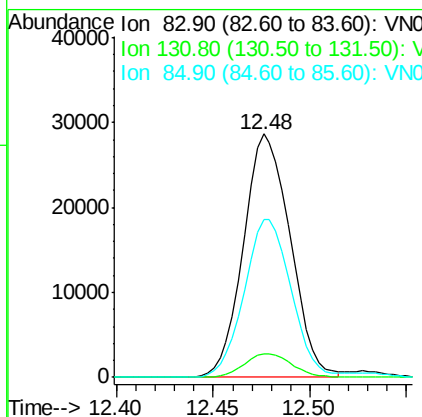
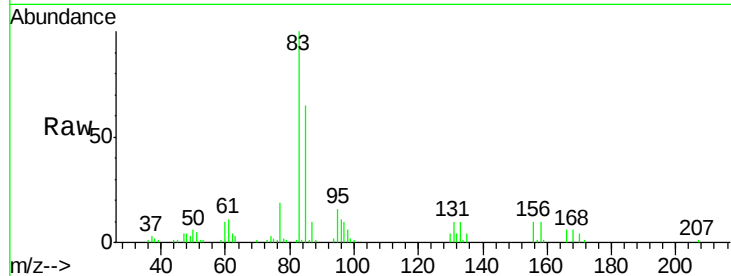
ClientSampleId :

VN1123WBSD01

Tot Ion:	83	Resp:	48336
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	64.8	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 18.779 ug/l m

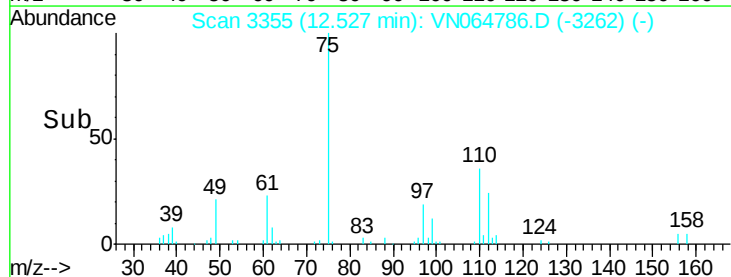
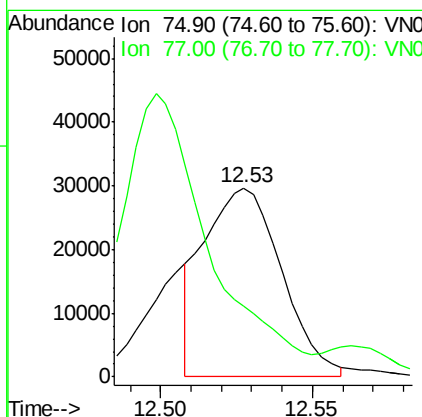
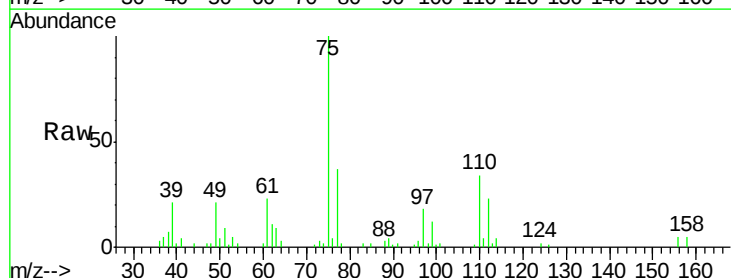
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	75	Resp:	52520
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.922 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

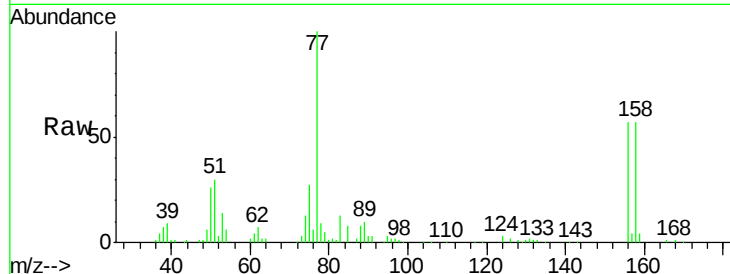
ClientSampleId :

VN1123WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	207.5	101.3	303.7	
158	97.8	48.2	144.6	

Manual Integrations
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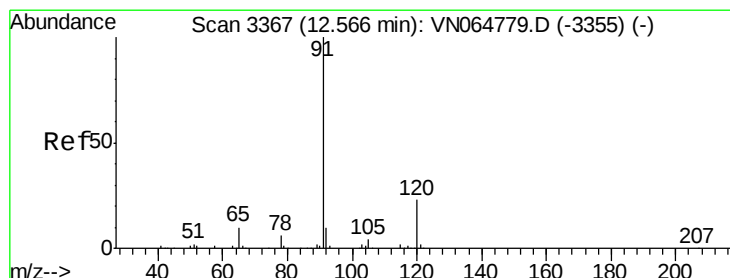
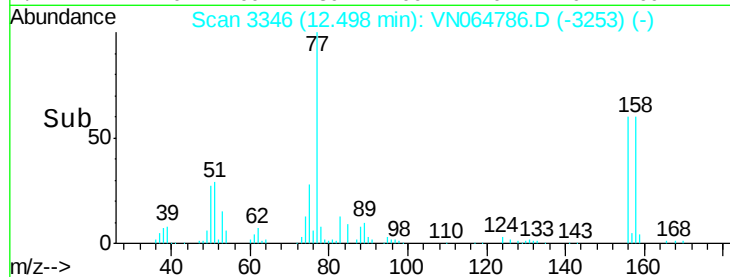
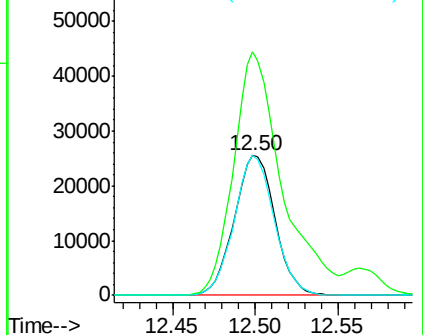
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.515 ug/l

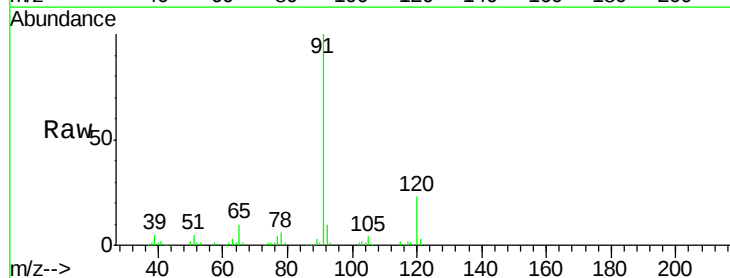
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064786.D

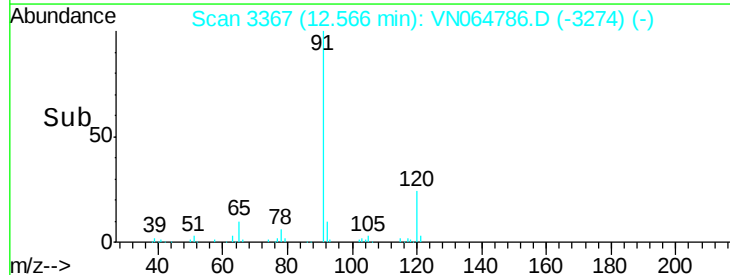
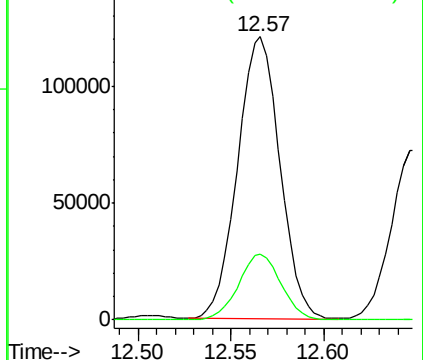
Acq: 23 Nov 2020 16:21

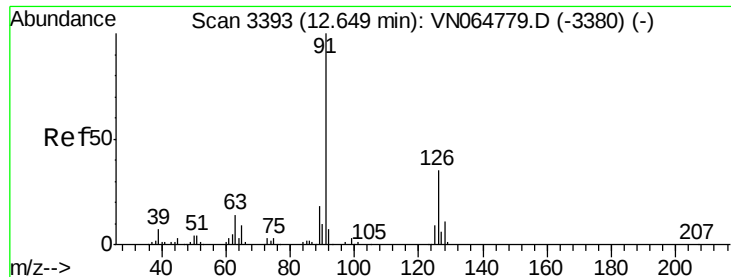
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.6	34.7	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.366 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1123WBSD01

Tot Ion: 91 Resp: 116823

Ion Ratio Lower Upper

91 100

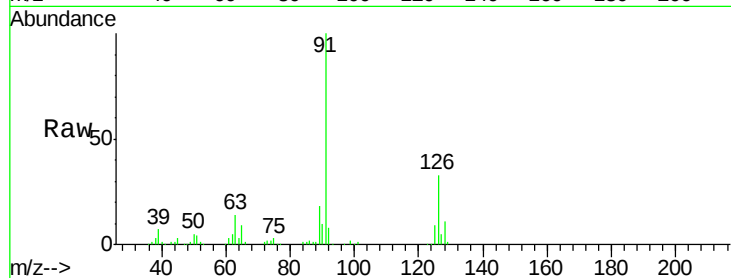
126 34.1 17.2 51.6

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) (-)

120000

100000

80000

60000

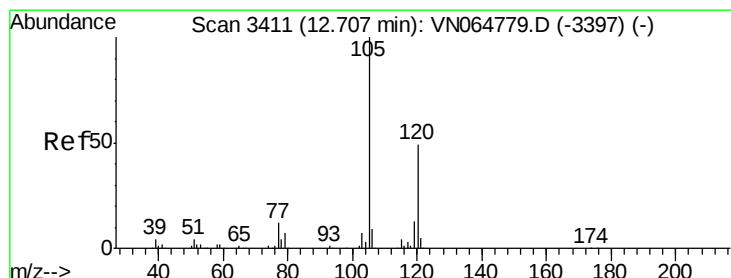
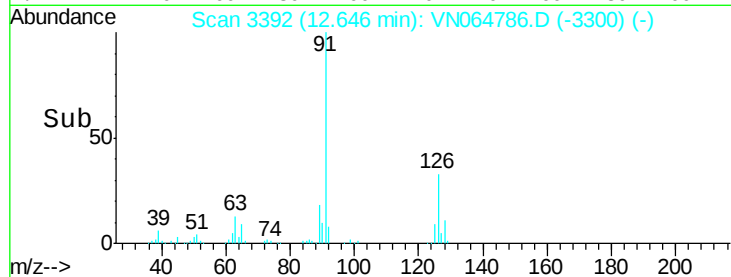
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.036 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064786.D

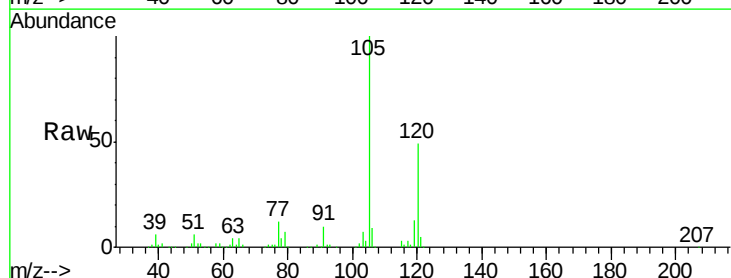
Acq: 23 Nov 2020 16:21

Tgt Ion: 105 Resp: 142925

Ion Ratio Lower Upper

105 100

120 49.1 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) (-)

100000

80000

60000

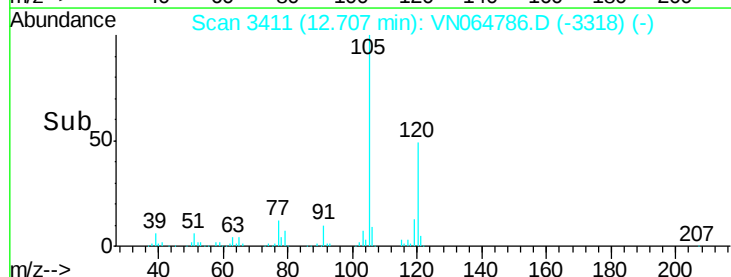
40000

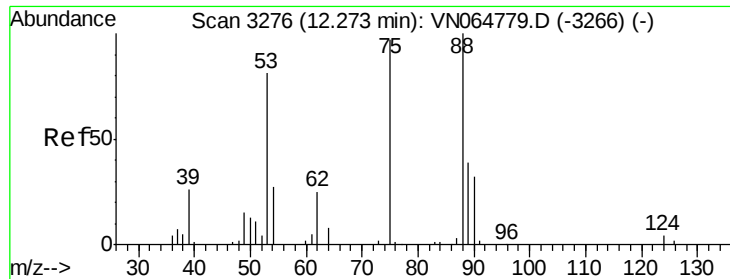
20000

0

12.70 12.71 12.72

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.720 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

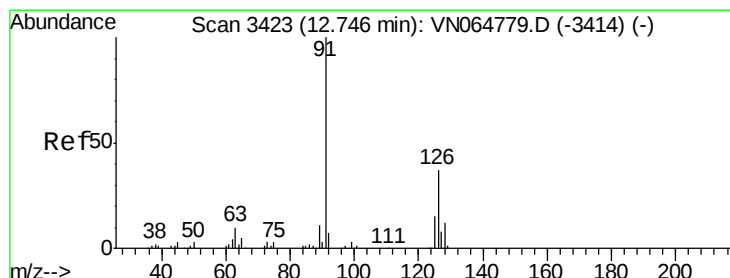
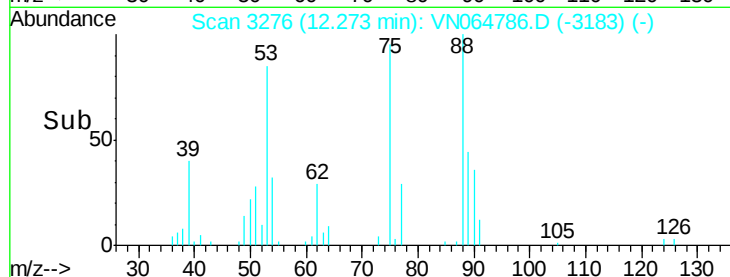
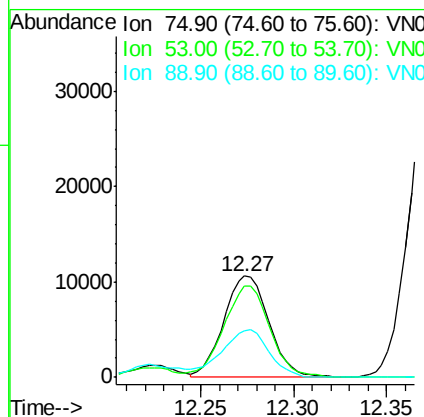
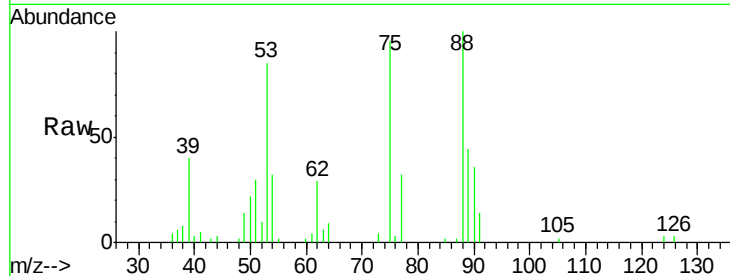
ClientSampleId :

VN1123WBSD01

Tot Ion:	75	Resp:	18082
Ion Ratio	Lower	Upper	
75	100		
53	91.7	67.0	100.4
89	48.7	39.6	59.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.197 ug/l

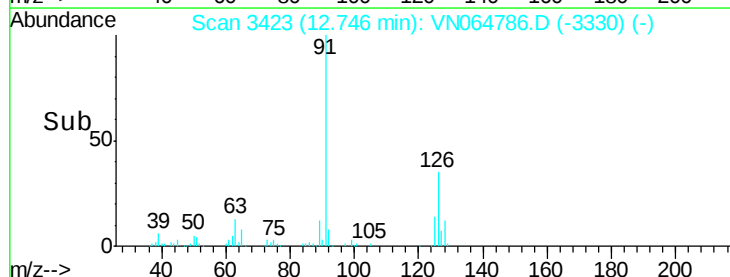
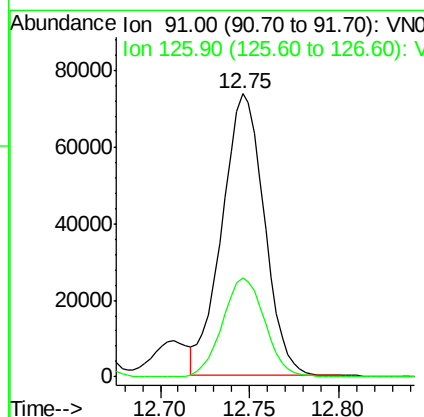
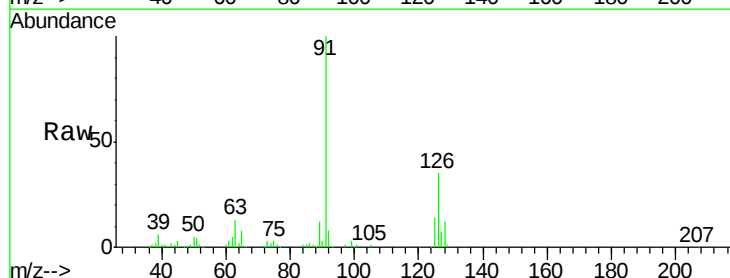
RT: 12.75 min Scan# 3423

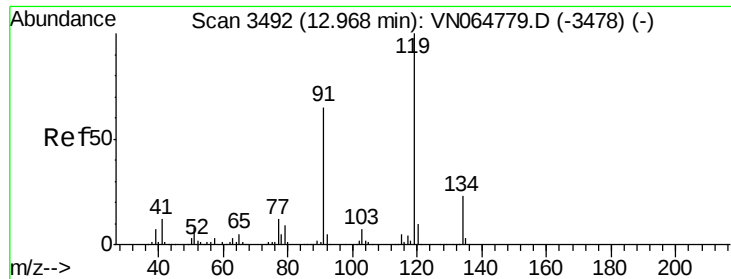
Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	91	Resp:	121328
Ion Ratio	Lower	Upper	
91	100		
126	35.3	16.9	50.7





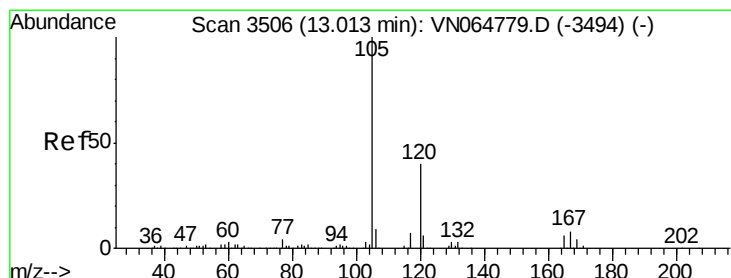
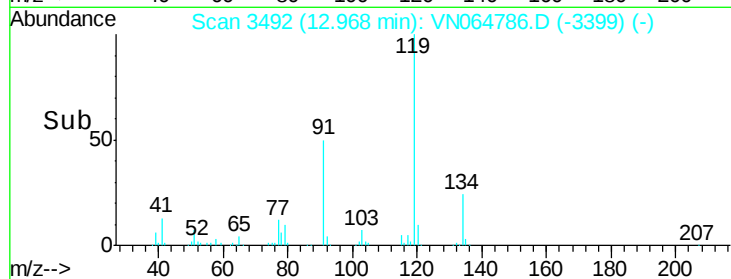
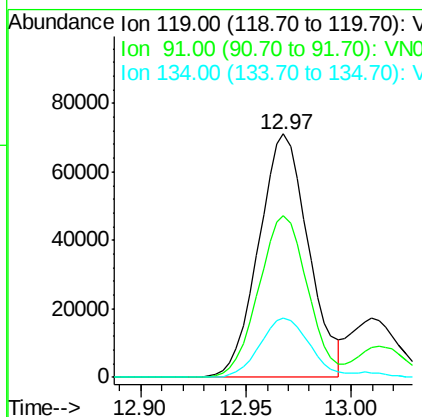
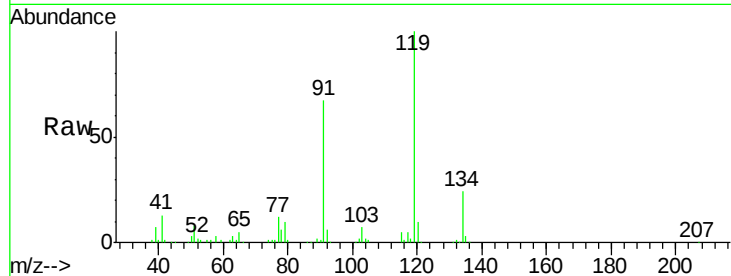
#83
tert-Butylbenzene
Concen: 18.525 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116581		
91	66.0	32.3	96.8	
134	24.3	12.6	37.6	

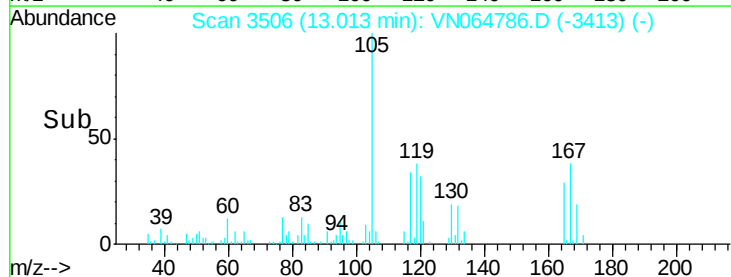
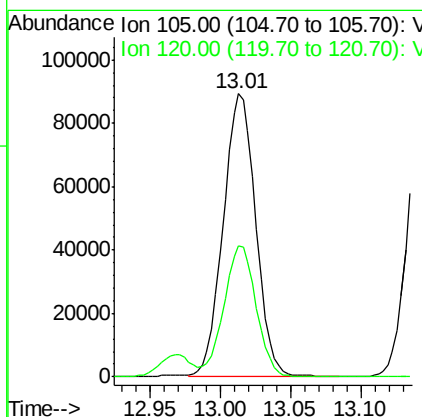
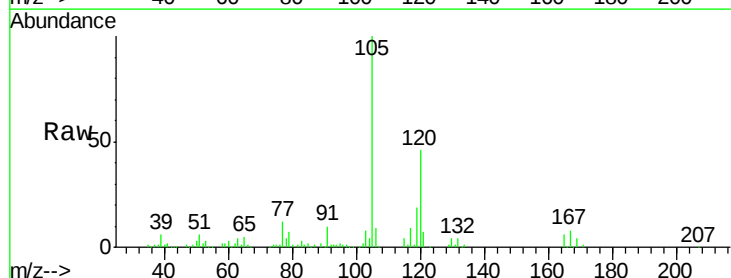
Manual Integrations
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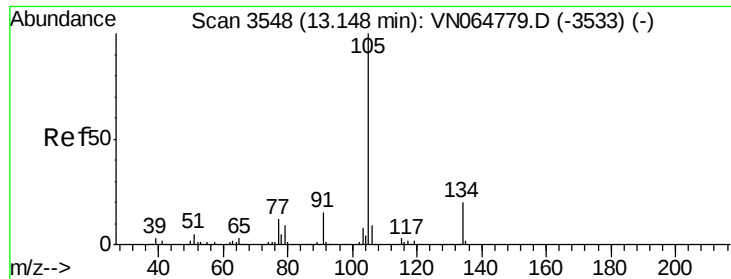
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#84
1,2,4-Trimethylbenzene
Concen: 18.810 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142794		
120	46.5	23.1	69.2	





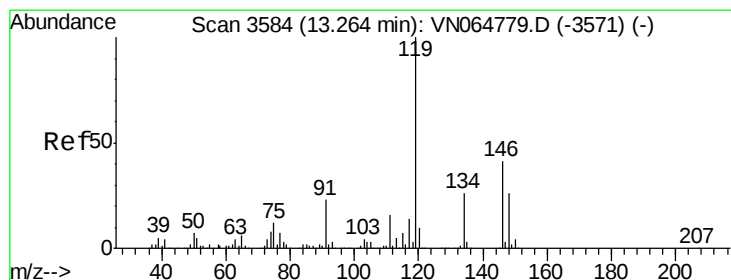
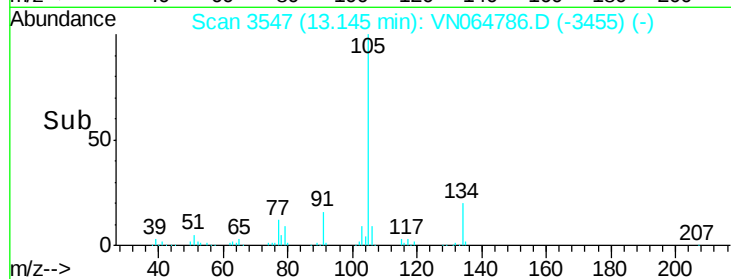
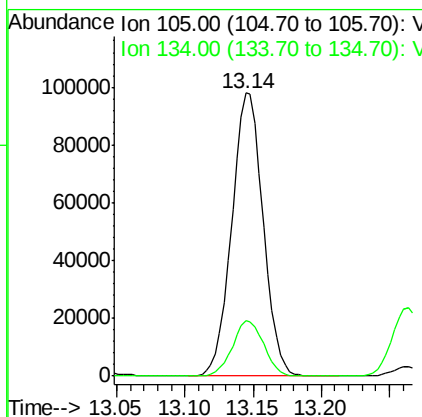
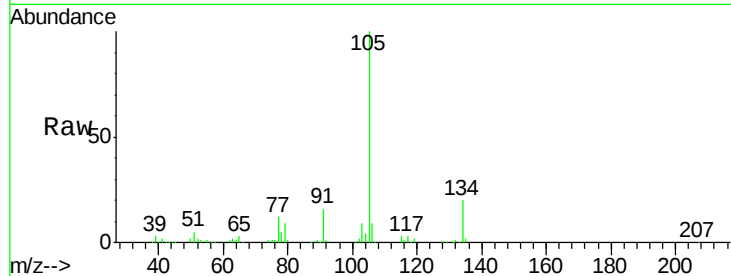
#85
 sec-Butylbenzene
 Concen: 18.699 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1

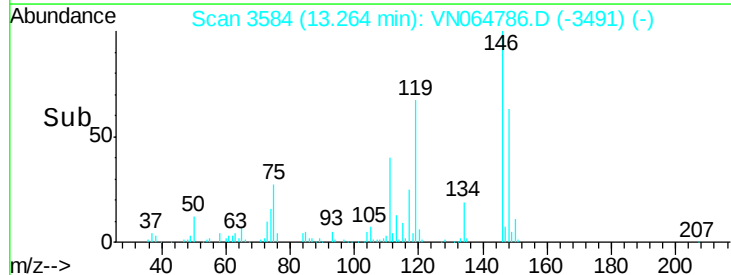
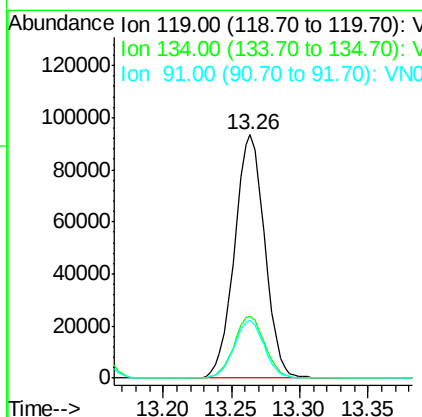
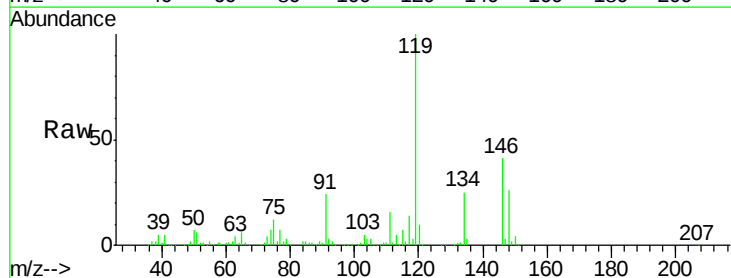
Manual Integrations
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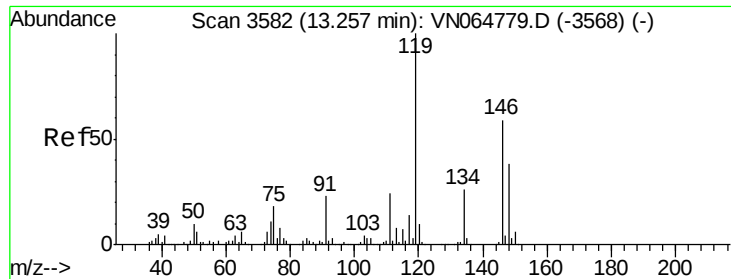
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 11/24/2020 3:01:31 PM



#86
 p-Isopropyltoluene
 Concen: 18.883 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	23.6	11.5	34.5





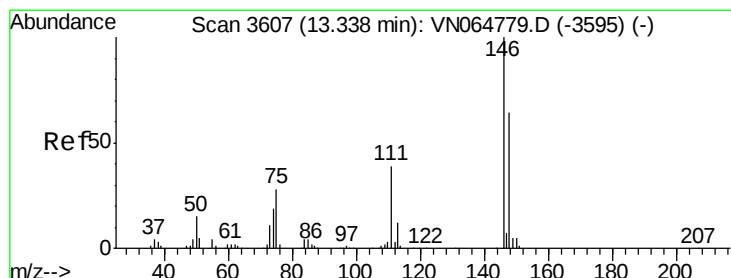
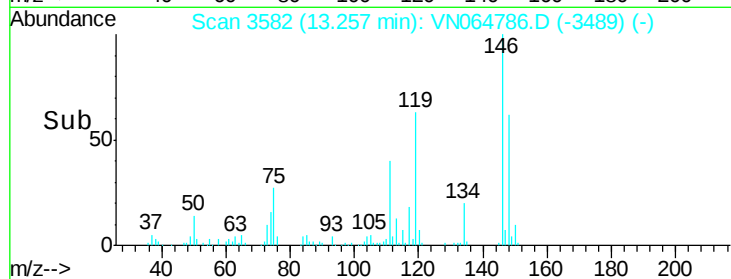
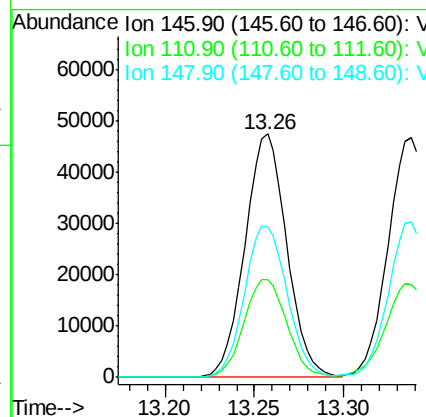
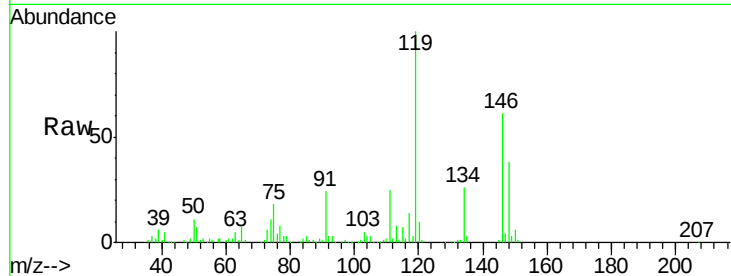
#87
 1,3-Dichlorobenzene
 Concen: 18.018 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.6	31.9	95.5

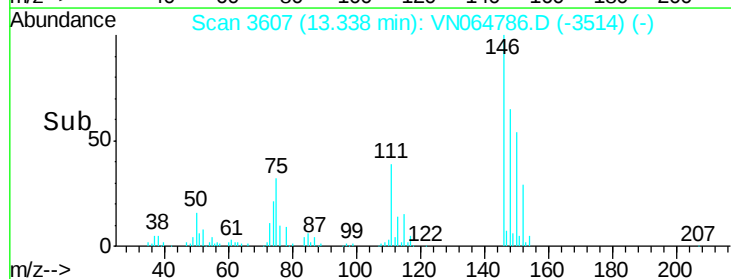
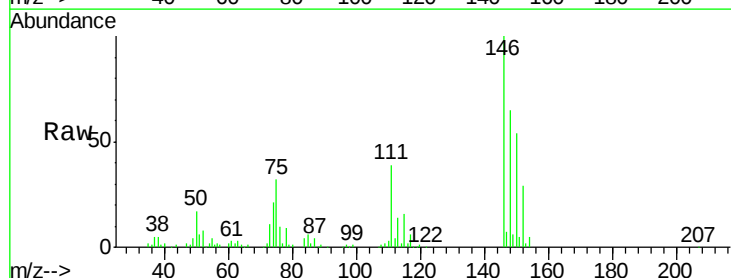
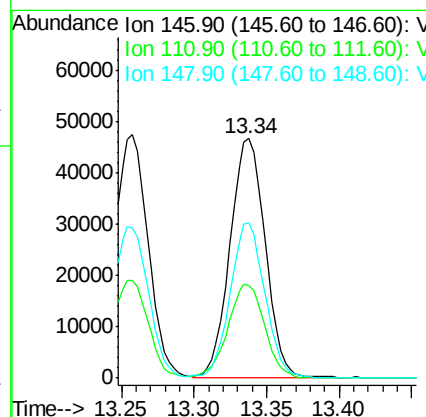
Manual Integrations
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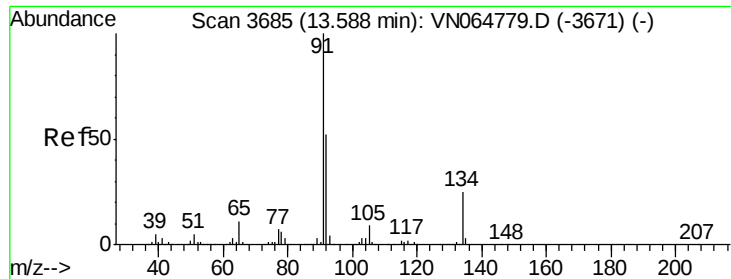
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#88
 1,4-Dichlorobenzene
 Concen: 17.225 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	63.7	31.9	95.5





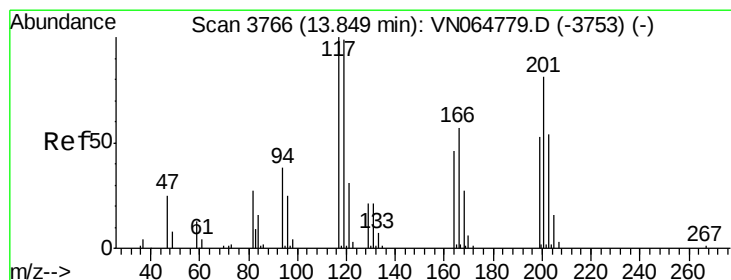
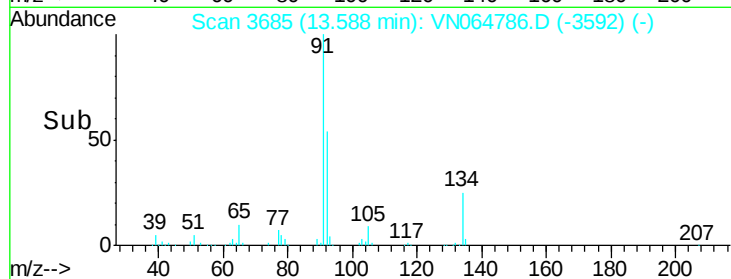
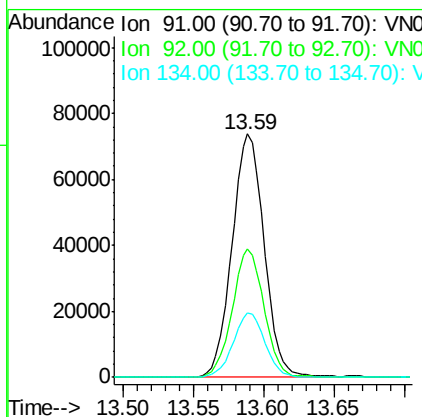
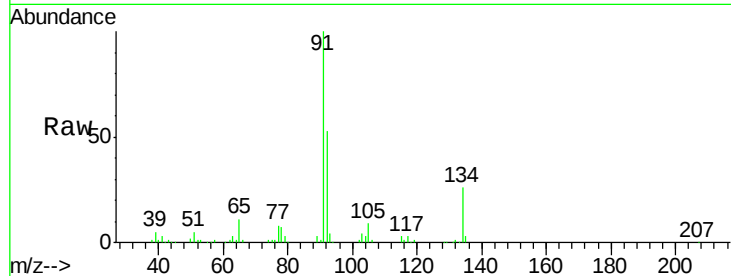
#89
n-Butylbenzene
Concen: 17.647 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.1	12.9	38.6

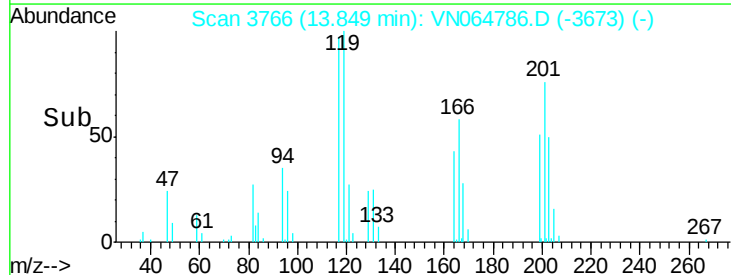
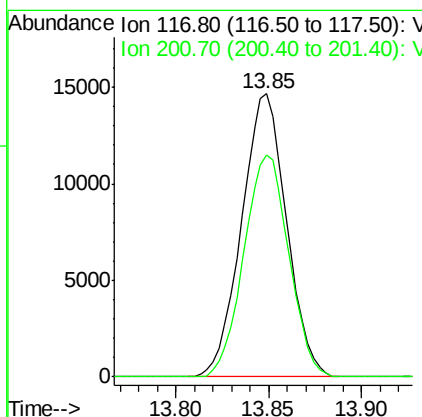
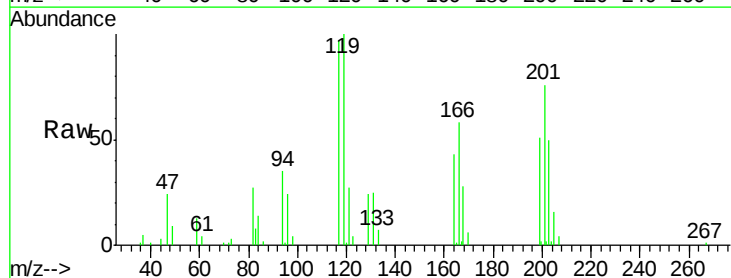
Manual Integrations
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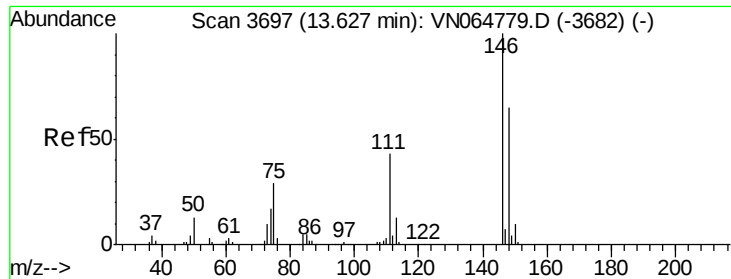
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#90
Hexachloroethane
Concen: 18.687 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	40.1	120.3





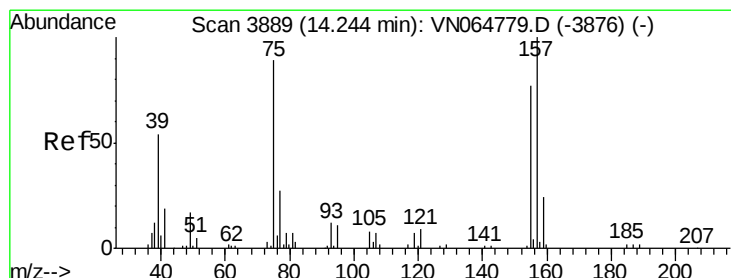
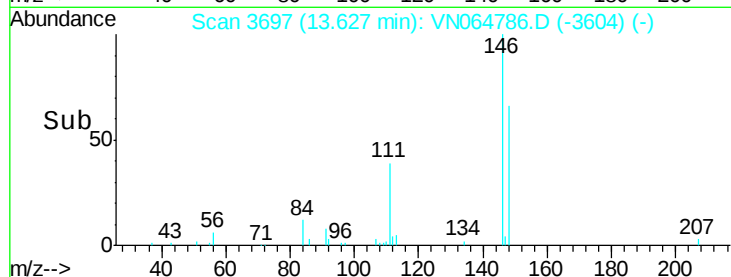
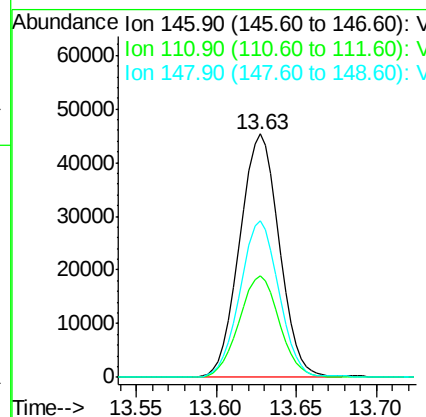
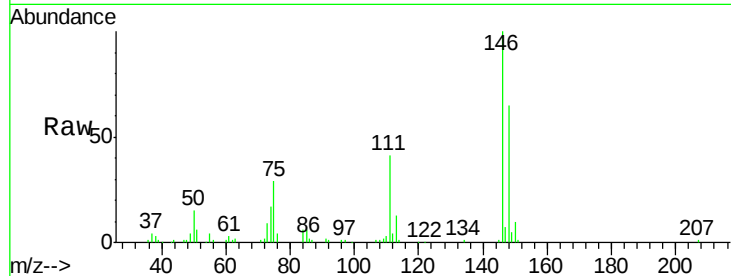
#91
 1,2-Dichlorobenzene
 Concen: 18.048 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.1
148	63.2	32.0	96.2

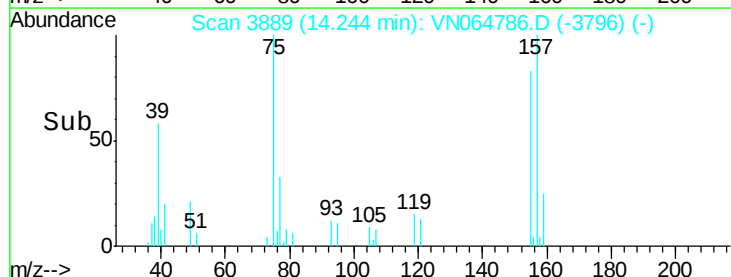
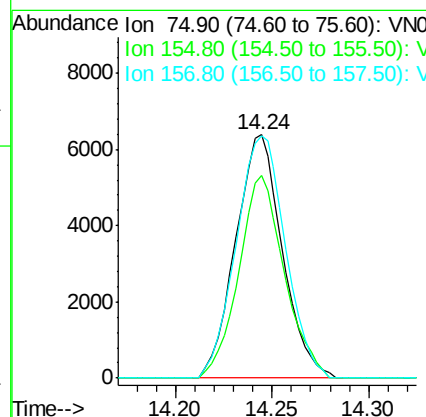
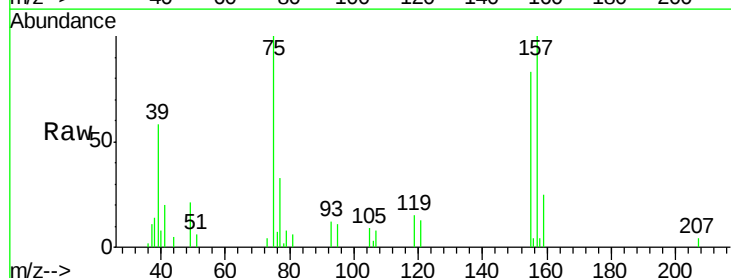
Manual Integrations
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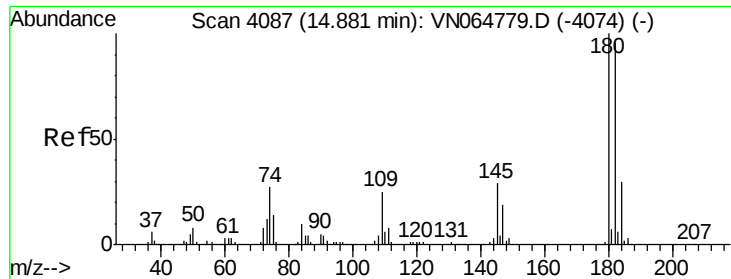
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 11/24/2020 3:01:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.961 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064786.D
 Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	42.8	128.3
157	104.8	56.4	169.1





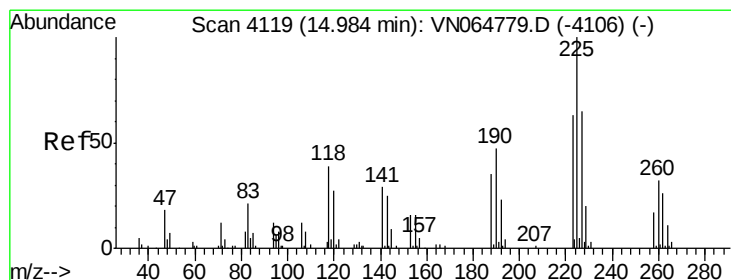
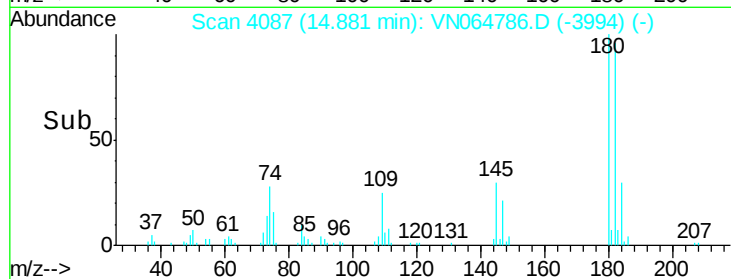
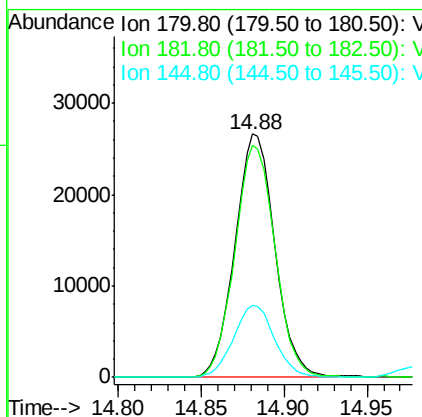
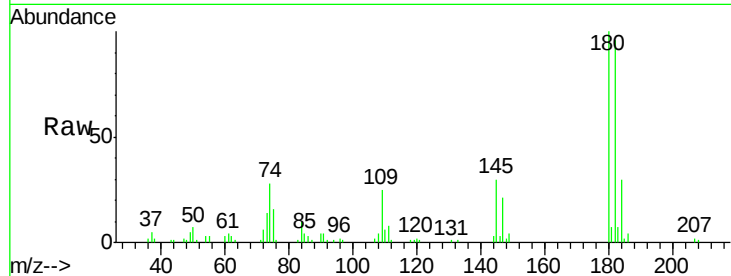
#93
1,2,4-Trichlorobenzene
Concen: 16.928 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1123WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.9
145	30.4	15.3	45.8

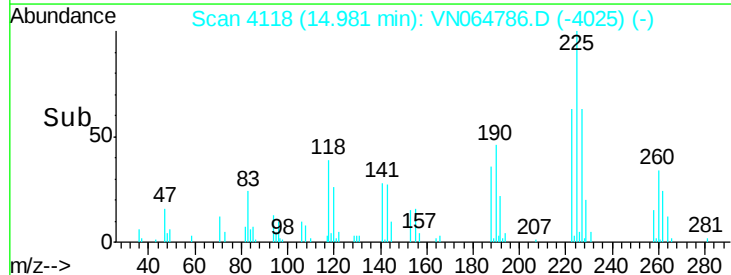
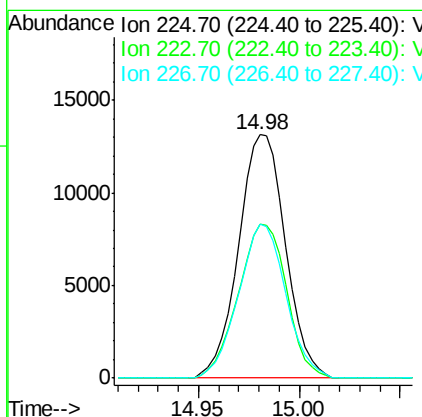
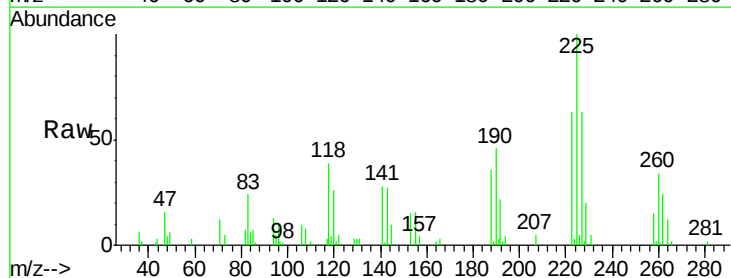
Manual Integrations
APPROVED

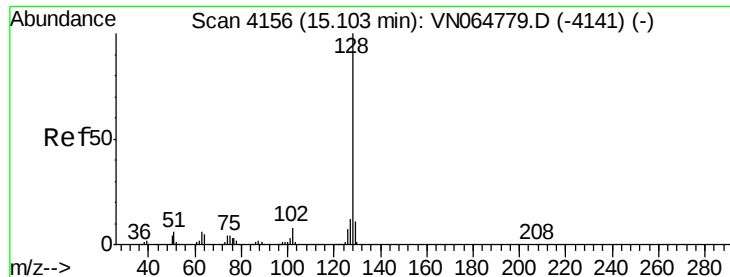
MMDadoda
11/24/2020 3:01:31 PM



#94
Hexachlorobutadiene
Concen: 18.299 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064786.D
Acq: 23 Nov 2020 16:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.0	93.0
227	63.8	32.0	96.0





#95

Naphthalene

Concen: 16.867 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Instrument :

MSVOA_N

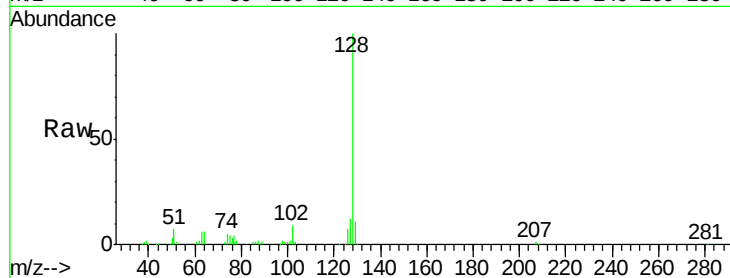
ClientSampleId :

VN1123WBSD01

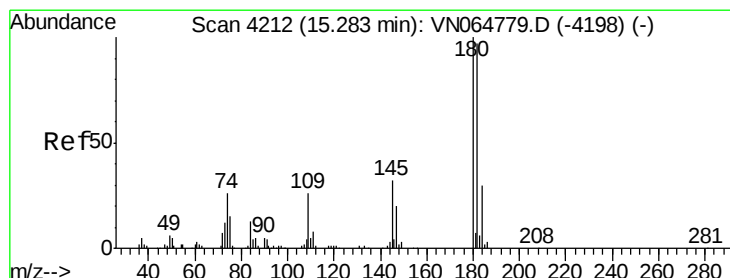
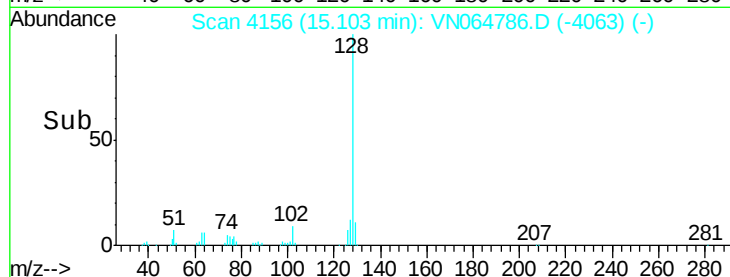
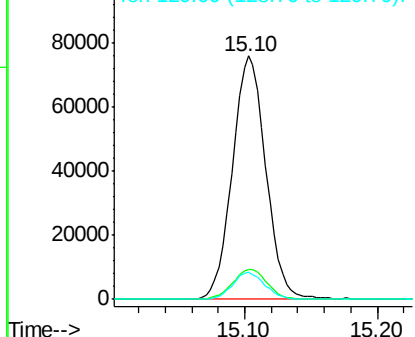
Tot Ion:	128	Resp:	132800
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:31 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 18.754 ug/l

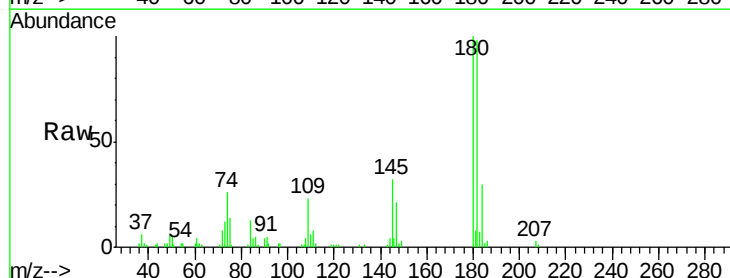
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064786.D

Acq: 23 Nov 2020 16:21

Tgt Ion:	180	Resp:	44603
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.1	144.4
145	31.9	16.4	49.1



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

