

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064842.D
 Acq On : 25 Nov 2020 4:43
 Operator : JC/MD
 Sample : L4798-10MSD 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 9:51:46 AM

Quant Time: Nov 25 06:46:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	189279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	295448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105974	48.16	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.32%		
35) Dibromofluoromethane	7.55	113	92707	52.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.88%		
50) Toluene-d8	10.06	98	362672	50.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.42%		
62) 4-Bromofluorobenzene	12.37	95	125665	48.61	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.22%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	75705	46.149	ug/l	97
3) Chloromethane	2.04	50	96037	45.051	ug/l	99
4) Vinyl Chloride	2.17	62	107760	48.486	ug/l	98
5) Bromomethane	2.52	94	62977	43.190	ug/l	97
6) Chloroethane	2.67	64	65599	47.721	ug/l	98
7) Trichlorofluoromethane	2.99	101	144789	47.129	ug/l	96
8) Diethyl Ether	3.37	74	58804	48.491	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	87923	47.707	ug/l	99
10) Methyl Iodide	3.91	142	95014	39.747	ug/l	97
11) Tert butyl alcohol	4.75	59	73770	214.965	ug/l	99
12) 1,1-Dichloroethene	3.69	96	88501	48.218	ug/l	98
13) Acrolein	3.56	56	40607	193.721	ug/l	98
14) Allyl chloride	4.27	41	141218	46.648	ug/l	99
15) Acrylonitrile	4.93	53	229863	242.466	ug/l	100
16) Acetone	3.78	43	173662	240.076	ug/l	97
17) Carbon Disulfide	4.01	76	227159	47.933	ug/l	100
18) Methyl Acetate	4.28	43	103394	47.541	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	289447	49.170	ug/l	100
20) Methylene Chloride	4.50	84	104253	45.993	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	95214	46.714	ug/l	99
22) Diisopropyl ether	5.90	45	304420	50.240	ug/l	98
23) Vinyl Acetate	5.85	43	1223827	252.571	ug/l	100
24) 1,1-Dichloroethane	5.79	63	178350	49.251	ug/l	99
25) 2-Butanone	6.79	43	283672	241.915	ug/l	99
26) 2,2-Dichloropropane	6.78	77	122719	39.073	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	150770	65.736	ug/l	95
28) Bromochloromethane	7.15	49	80785	48.765	ug/l	97
29) Tetrahydrofuran	7.17	42	190420	235.248	ug/l	99
30) Chloroform	7.33	83	181065	48.486	ug/l	100
31) Cyclohexane	7.61	56	141679	46.195	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	155195	48.387	ug/l	100
36) 1,1-Dichloropropene	7.75	75	134133	48.980	ug/l	99
37) Ethyl Acetate	6.88	43	123364	46.766	ug/l	100
38) Carbon Tetrachloride	7.73	117	139132	48.828	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	146274	49.618	ug/l	97
40) Benzene	8.00	78	412534	49.159	ug/l	99
41) Methacrylonitrile	7.13	41	59788	49.120	ug/l	88
42) 1,2-Dichloroethane	8.08	62	133062	47.003	ug/l	99
43) Isopropyl Acetate	8.13	43	199943	47.104	ug/l	100
44) Trichloroethene	8.80	130	353352	142.711	ug/l	96
45) 1,2-Dichloropropane	9.08	63	109652	50.457	ug/l	97
46) Dibromomethane	9.17	93	72098	49.660	ug/l	98
47) Bromodichloromethane	9.37	83	143995	49.292	ug/l	100
48) Methyl methacrylate	9.17	41	96829	47.739	ug/l	97
49) 1,4-Dioxane	9.16	88	35916	936.897	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	609146	239.039	ug/l	100
52) Toluene	10.12	92	259069	50.130	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	153682	47.233	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	170425	48.867	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	104152	49.010	ug/l	98
56) Ethyl methacrylate	10.40	69	146136	49.832	ug/l	100
57) 1,3-Dichloropropane	10.68	76	174740	49.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	408447	253.201	ug/l	100
59) 2-Hexanone	10.72	43	441019	240.471	ug/l	100
60) Dibromochloromethane	10.87	129	118725	50.259	ug/l	97
61) 1,2-Dibromoethane	10.97	107	106964	49.542	ug/l	100
64) Tetrachloroethene	10.60	164	115177	43.658	ug/l	98
65) Chlorobenzene	11.41	112	284130	48.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	107326	50.151	ug/l	100
67) Ethyl Benzene	11.48	91	493999	50.781	ug/l	100
68) m/p-Xylenes	11.59	106	378910	102.877	ug/l	100
69) o-Xylene	11.92	106	182061	52.090	ug/l	100
70) Styrene	11.94	104	313148	53.073	ug/l	99
71) Bromoform	12.10	173	83184	48.666	ug/l #	99
73) Isopropylbenzene	12.22	105	481179	50.958	ug/l	100
74) N-amyl acetate	12.04	43	174589	46.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	136124	49.184	ug/l	97
76) 1,2,3-Trichloropropane	12.52	75	130011m	44.470	ug/l	
77) Bromobenzene	12.50	156	122789	48.233	ug/l	98
78) n-propylbenzene	12.56	91	540615	50.257	ug/l	99
79) 2-Chlorotoluene	12.65	91	321392	48.334	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	406188	51.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	44967	42.155	ug/l	95
82) 4-Chlorotoluene	12.75	91	337397	48.408	ug/l	99
83) tert-Butylbenzene	12.96	119	346965	52.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	411423	51.845	ug/l	99
85) sec-Butylbenzene	13.14	105	448742	51.374	ug/l	100
86) p-Isopropyltoluene	13.26	119	421365	52.986	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	217356	48.057	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	219083	45.803	ug/l	99
89) n-Butylbenzene	13.59	91	338721	48.502	ug/l	99
90) Hexachloroethane	13.85	117	73190	52.979	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	215830	48.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26591	42.700	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	123543	44.970	ug/l	100
94) Hexachlorobutadiene	14.98	225	58104	46.990	ug/l	98
95) Naphthalene	15.10	128	383296	46.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	123170	47.257	ug/l	100

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

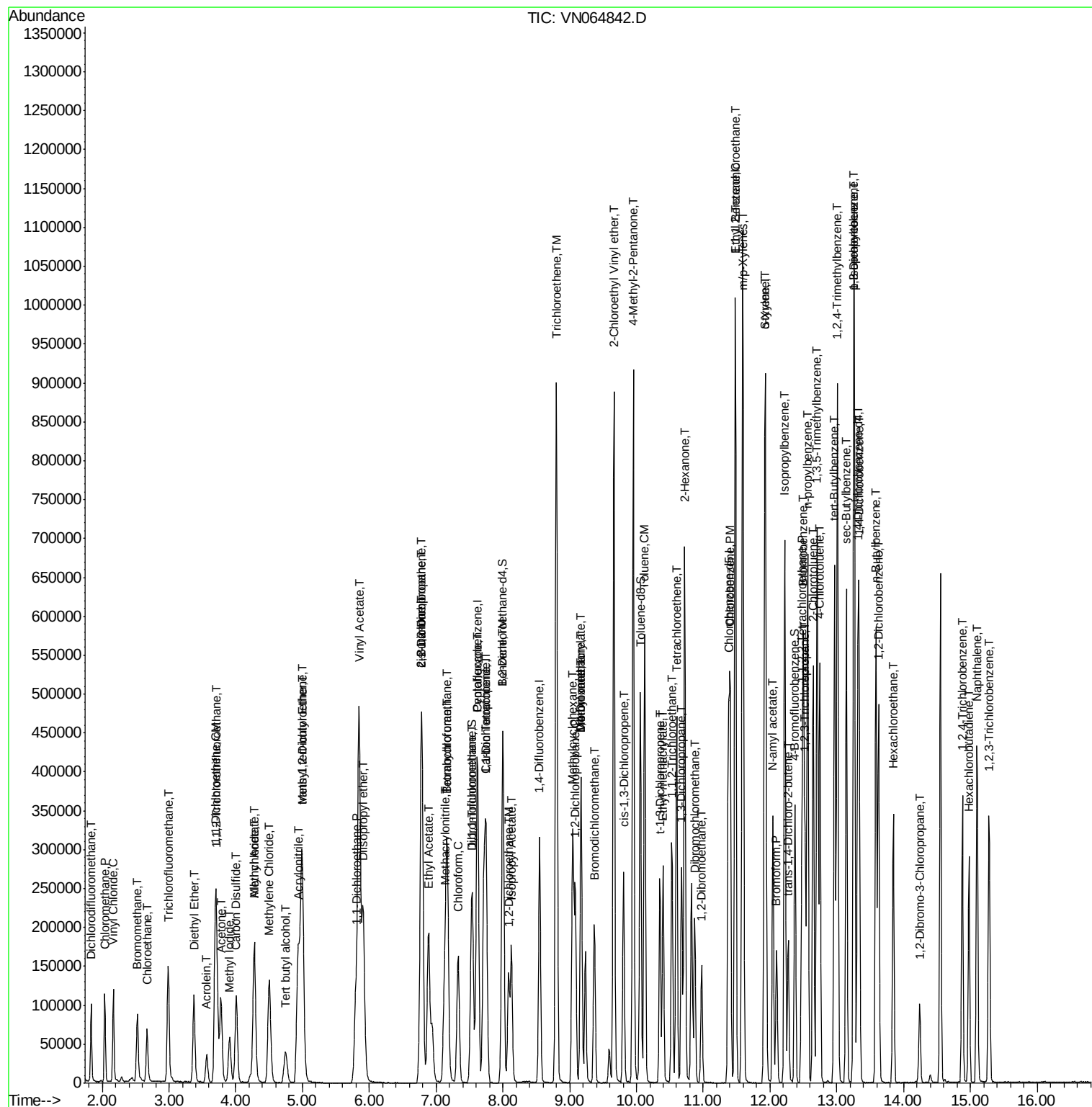
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
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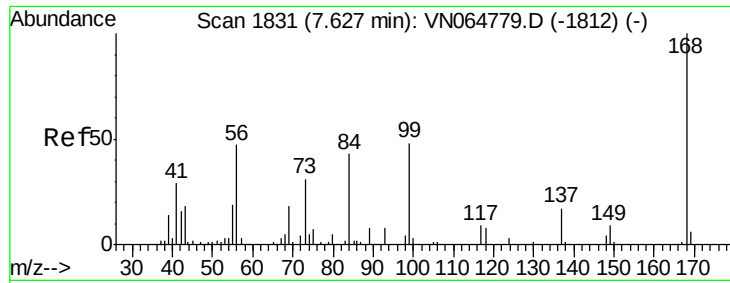
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion:168 Resp: 189279

Ion Ratio Lower Upper

168 100

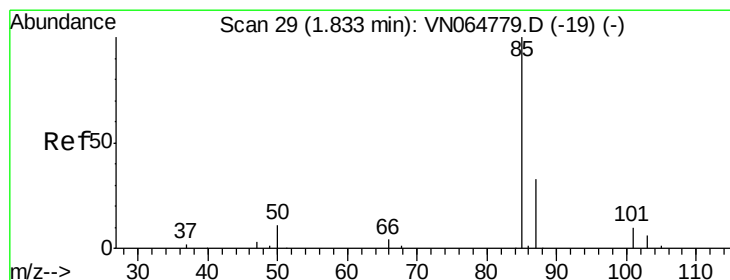
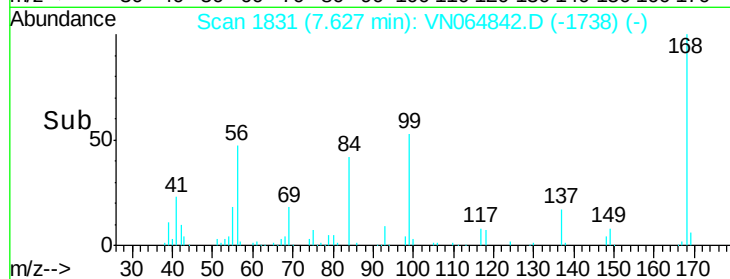
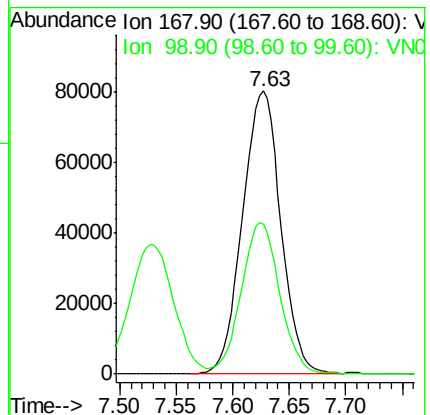
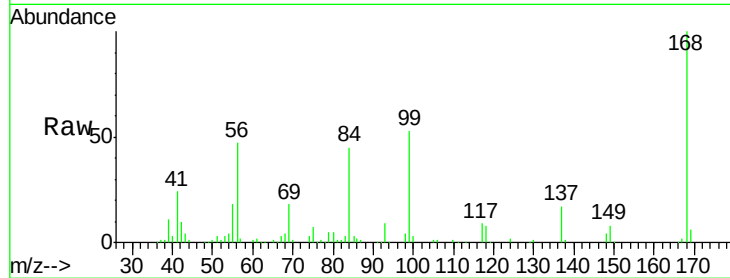
99 52.6 43.0 64.4

Manual Integrations

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MMDadoda

11/25/2020 9:51:46 AM



#2

Dichlorodifluoromethane

Concen: 46.149 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064842.D

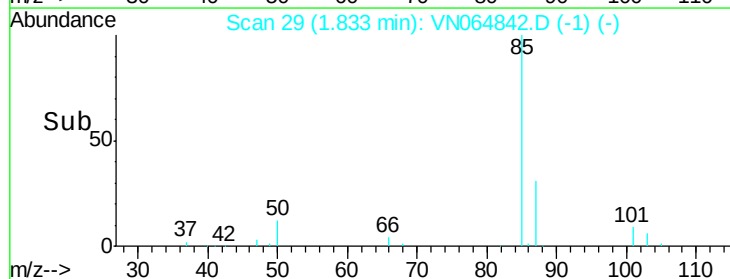
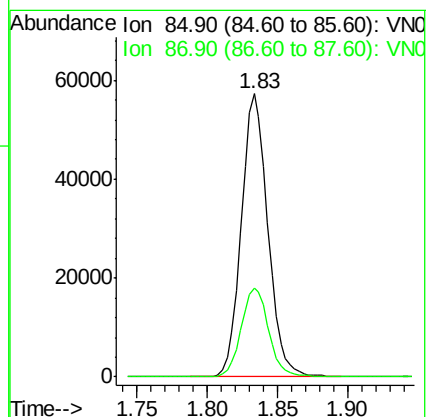
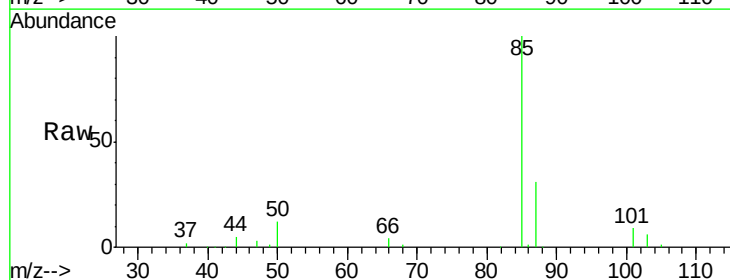
Acq: 25 Nov 2020 4:43

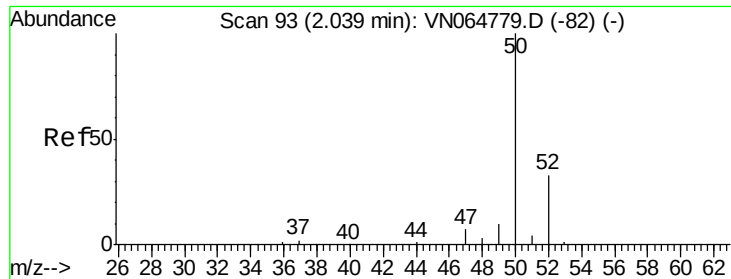
Tgt Ion: 85 Resp: 75705

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.4





#3

Chloromethane

Concen: 45.051 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 50 Resp: 96037

Ion Ratio Lower Upper

50 100

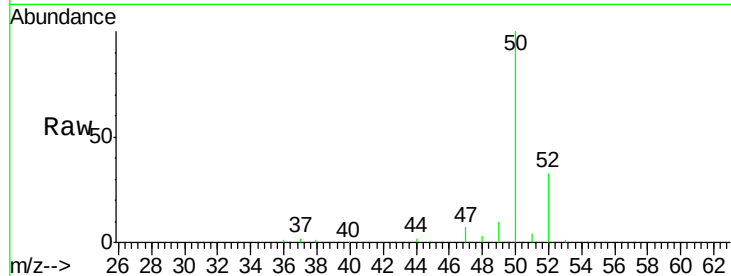
52 32.6 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

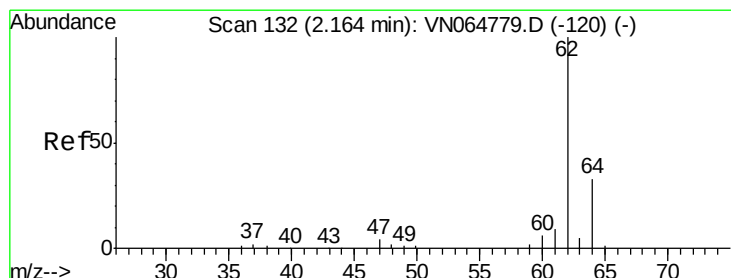
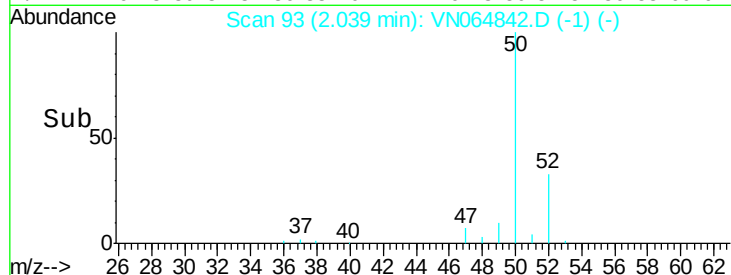
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 48.486 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064842.D

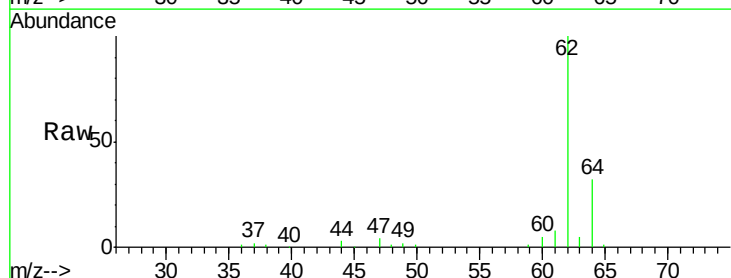
Acq: 25 Nov 2020 4:43

Tgt Ion: 62 Resp: 107760

Ion Ratio Lower Upper

62 100

64 31.8 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

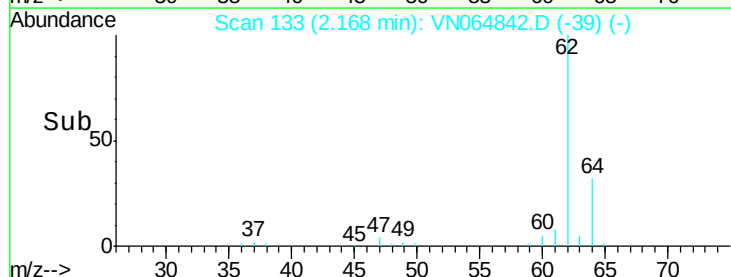
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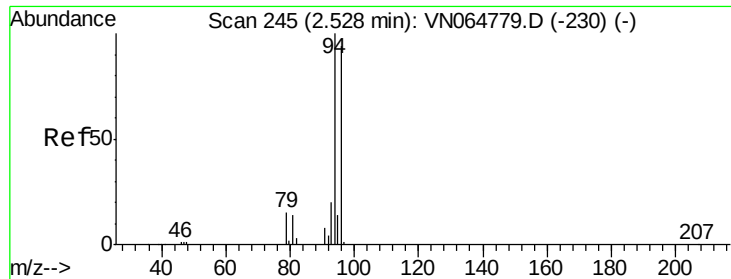
40000

20000

0

Time-->





#5

Bromomethane

Concen: 43.190 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 62977

Ion Ratio Lower Upper

94 100

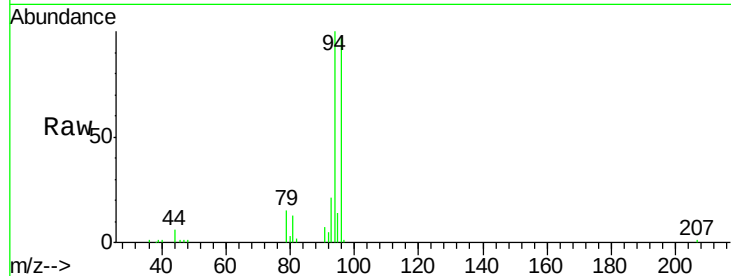
96 97.4 75.4 113.0

Manual Integrations

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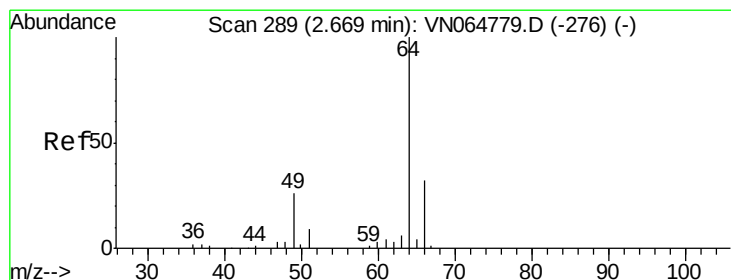
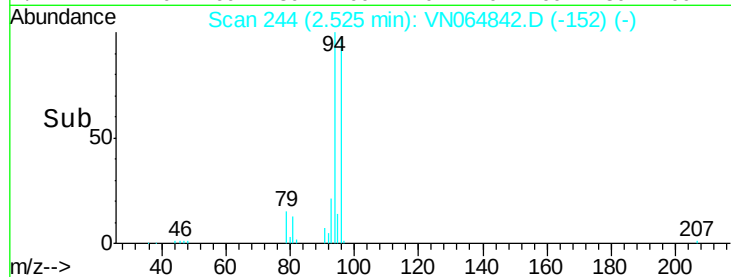
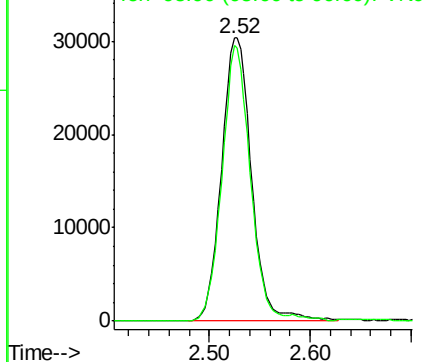
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.721 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064842.D

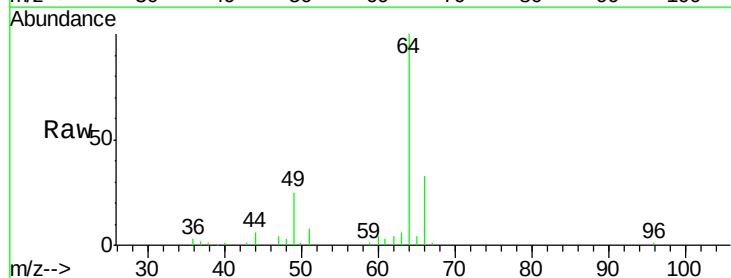
Acq: 25 Nov 2020 4:43

Tgt Ion: 64 Resp: 65599

Ion Ratio Lower Upper

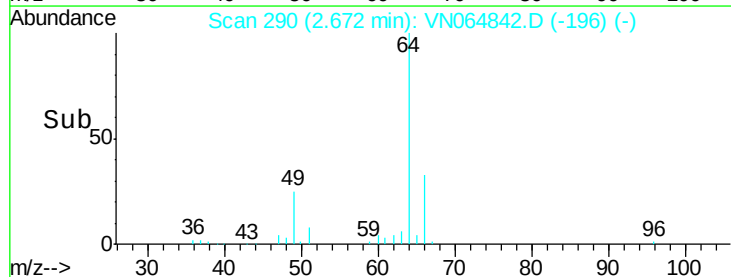
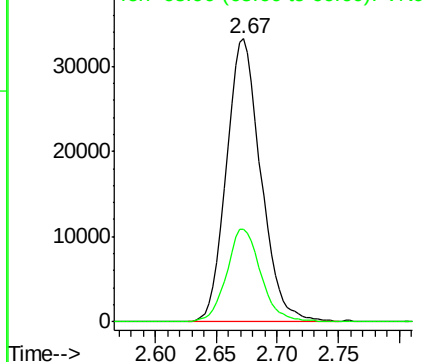
64 100

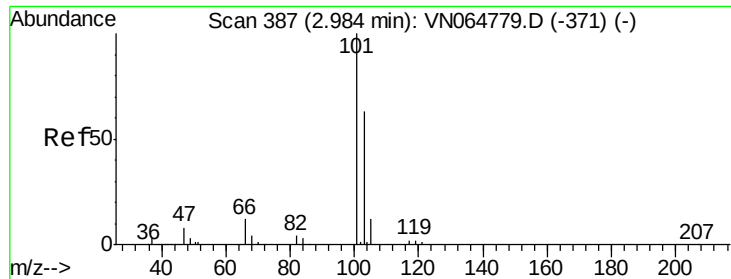
66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

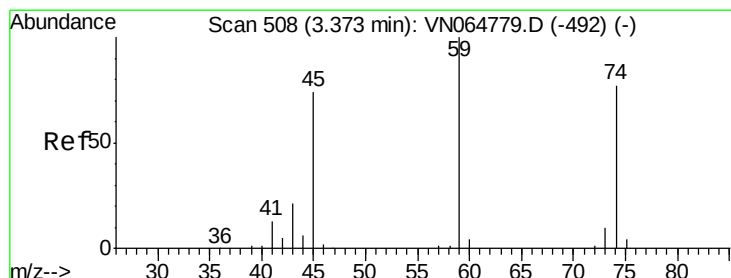
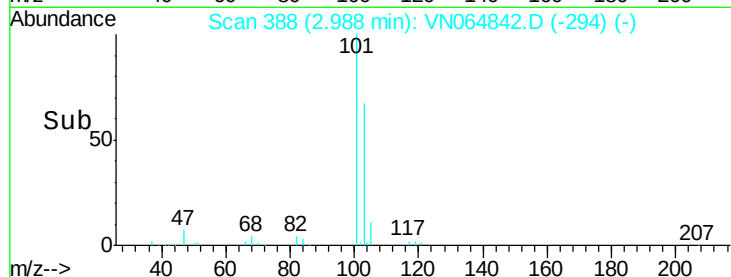
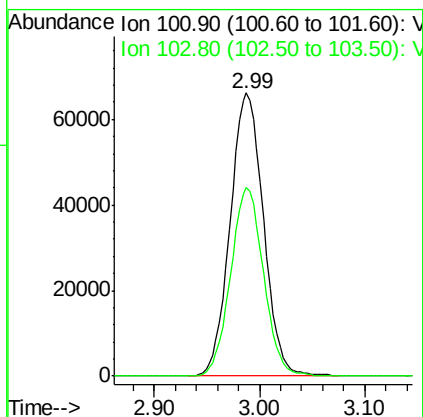
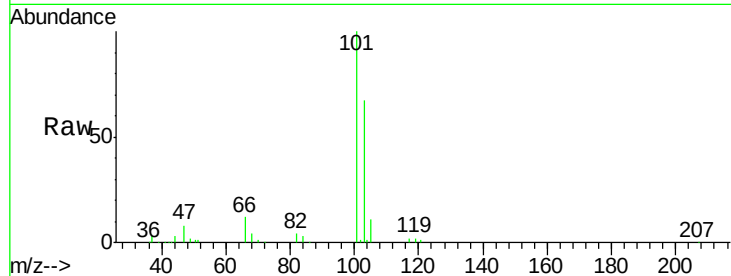
Trichlorofluoromethane
Concen: 47.129 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

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Tot Ion:101 Resp: 144789
Ion Ratio Lower Upper
101 100
103 66.5 50.5 75.7

Manual Integrations
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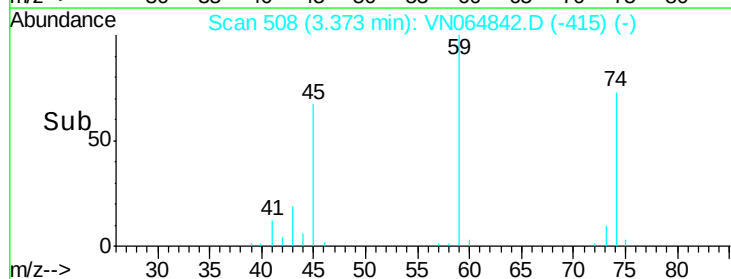
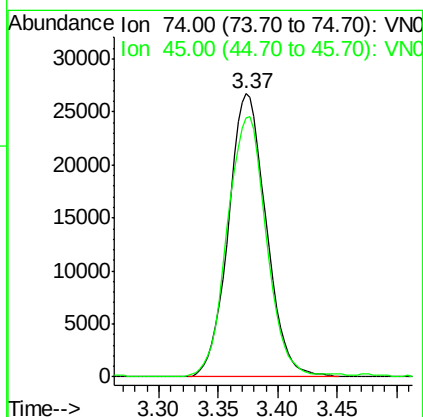
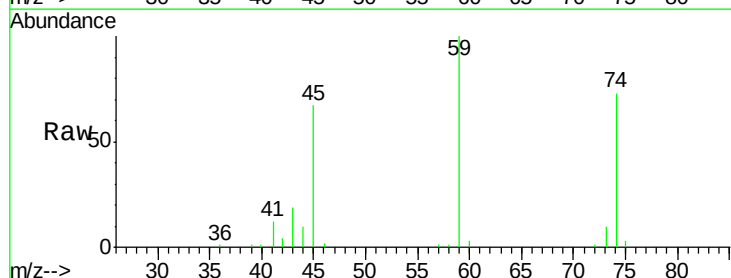
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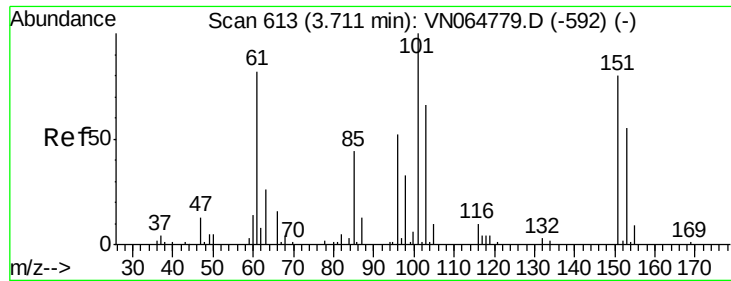


#8

Diethyl Ether
Concen: 48.491 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 74 Resp: 58804
Ion Ratio Lower Upper
74 100
45 95.2 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.707 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

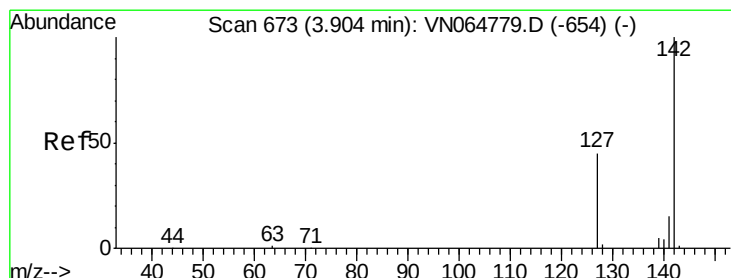
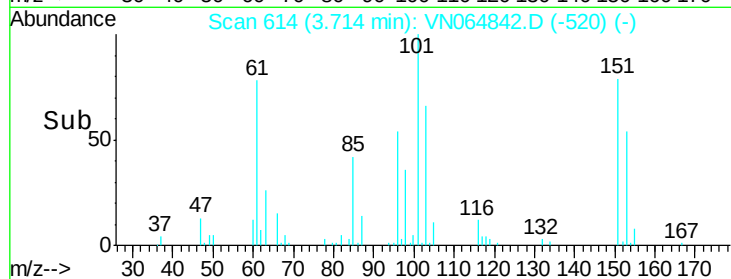
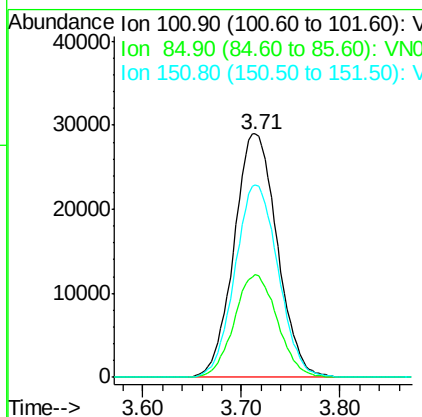
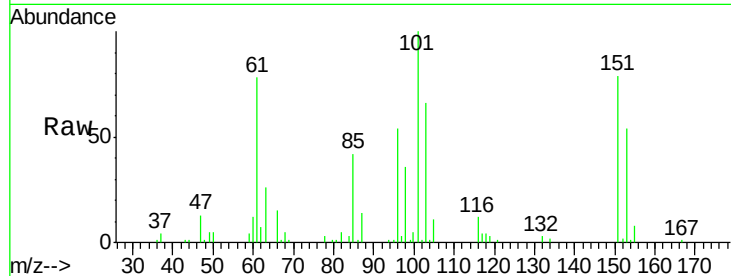
ClientSampleId :

56BR-20201118MSD

Tot Ion:	101	Resp:	87923
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.4	51.6
151	79.1	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 39.747 ug/l

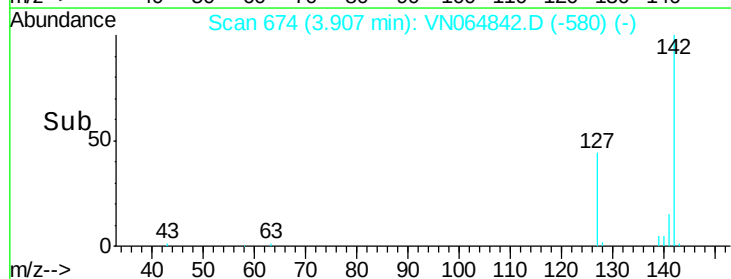
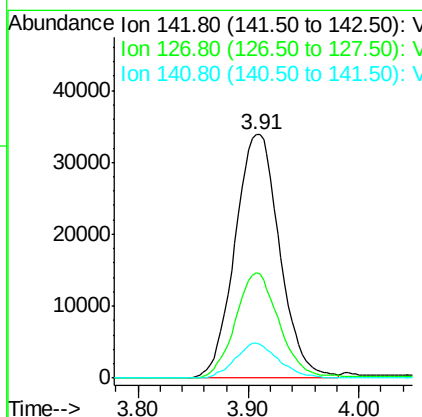
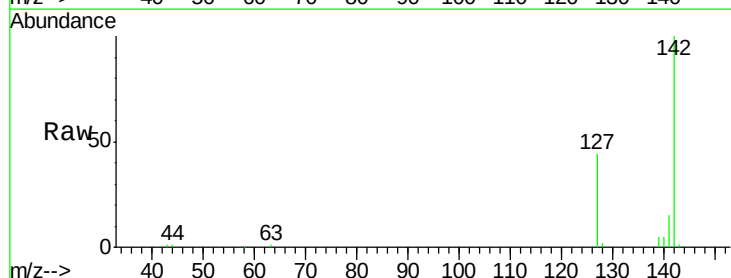
RT: 3.91 min Scan# 674

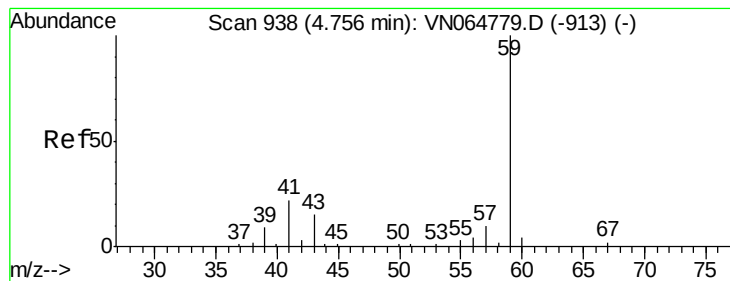
Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:	142	Resp:	95014
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.0	52.6
141	13.9	11.8	17.6





#11

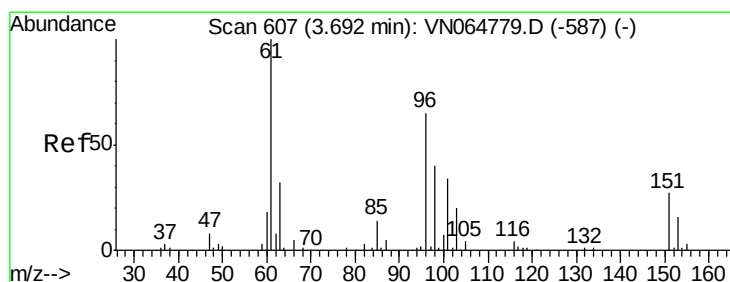
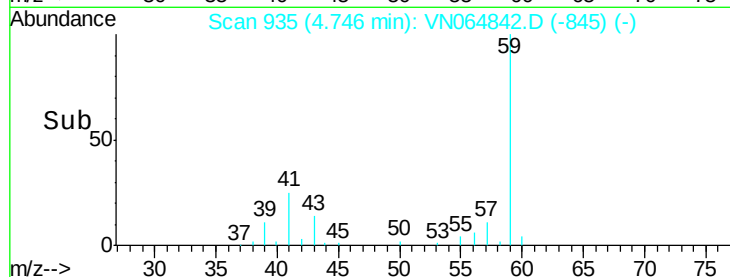
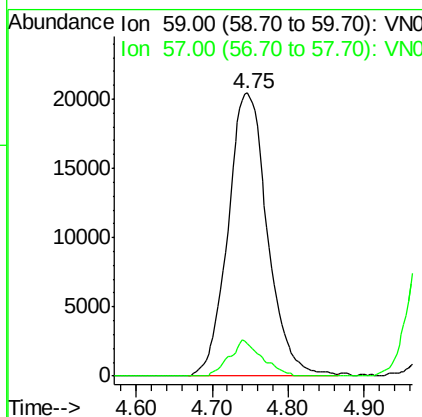
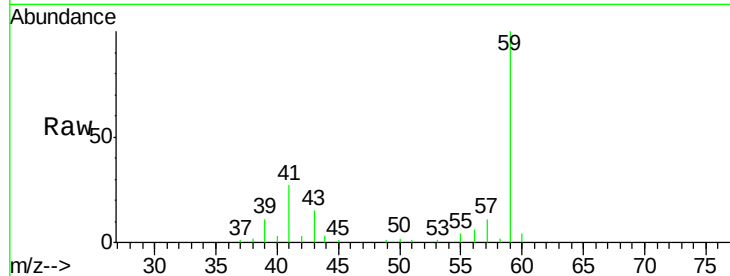
Tert butyl alcohol
 Concen: 214.965 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

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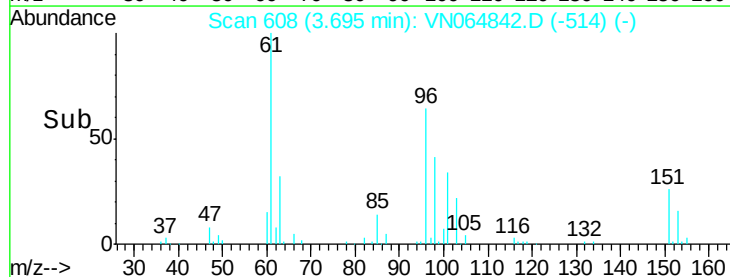
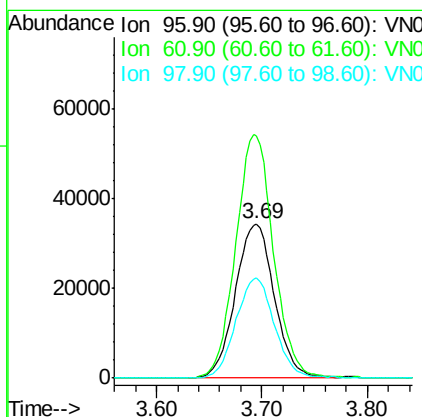
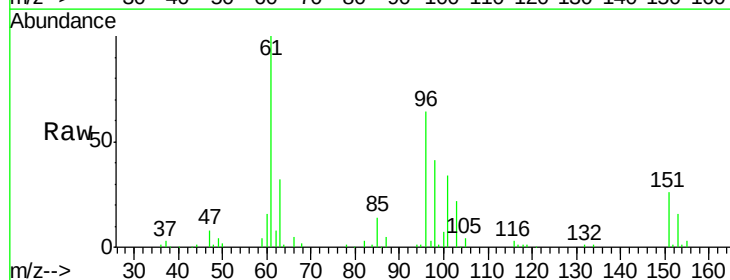
MMDadoda
 11/25/2020 9:51:46 AM

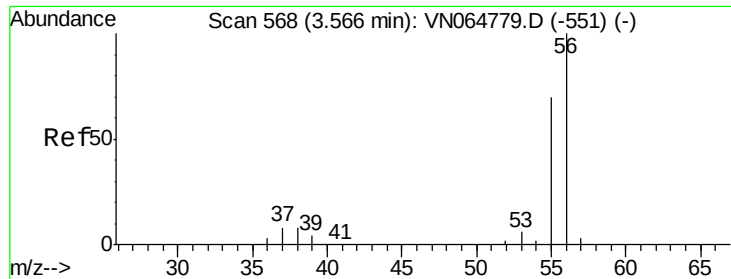


#12

1,1-Dichloroethene
 Concen: 48.218 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	123.4	185.2
98	64.6	49.8	74.8





#13

Acrolein

Concen: 193.721 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 56 Resp: 40607

Ion Ratio Lower Upper

56 100

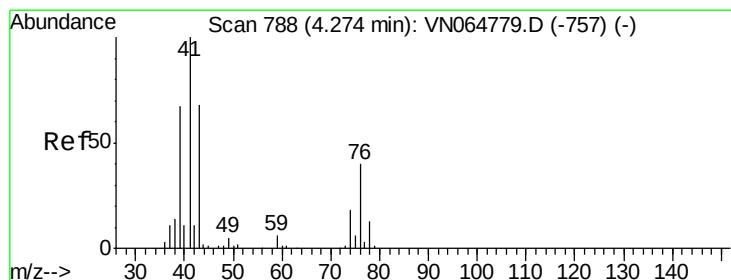
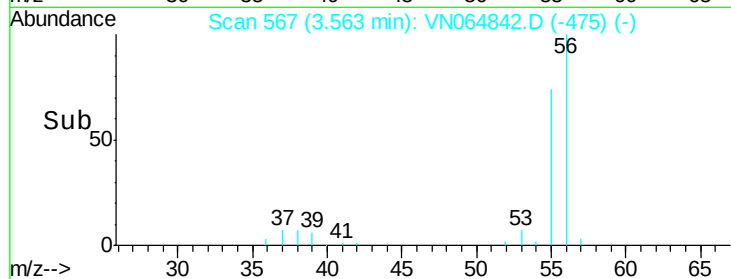
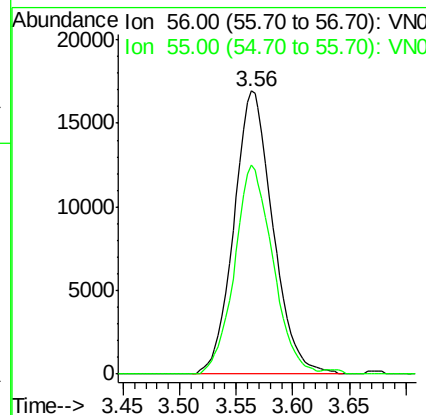
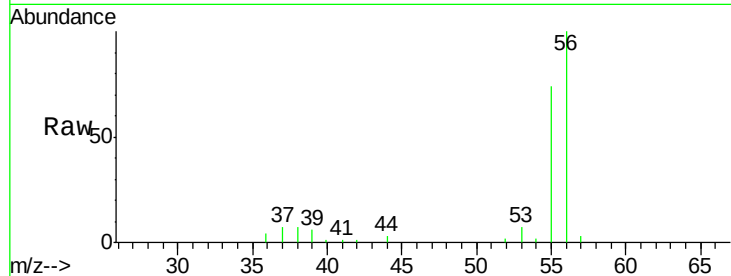
55 72.5 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 46.648 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

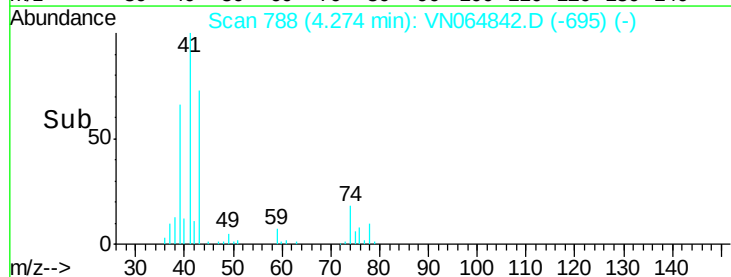
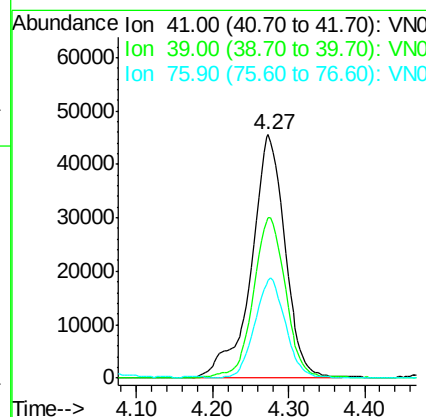
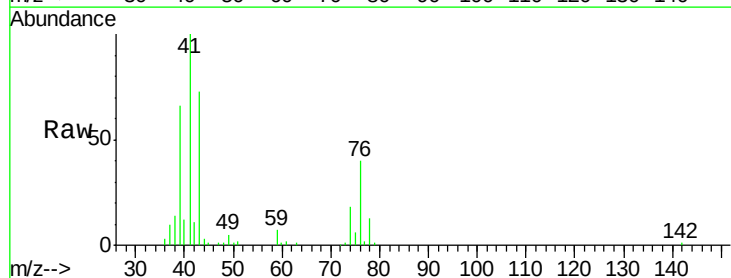
Tgt Ion: 41 Resp: 141218

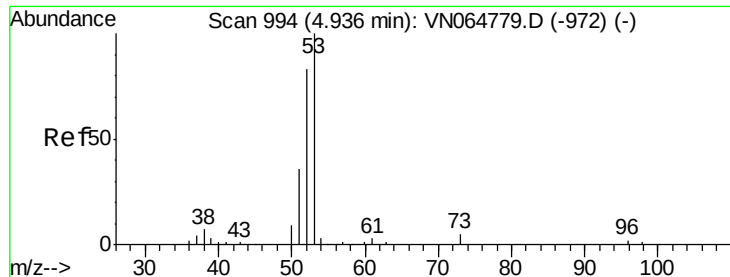
Ion Ratio Lower Upper

41 100

39 62.7 50.9 76.3

76 36.1 29.0 43.4





#15

Acrylonitrile

Concen: 242.466 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

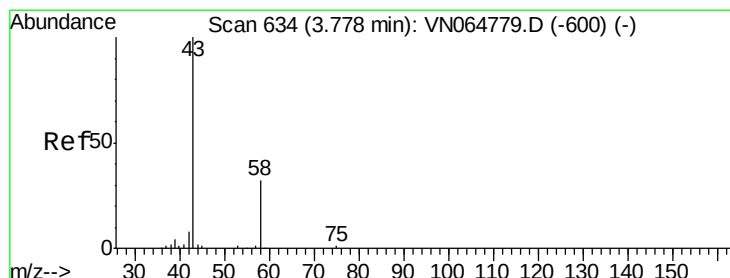
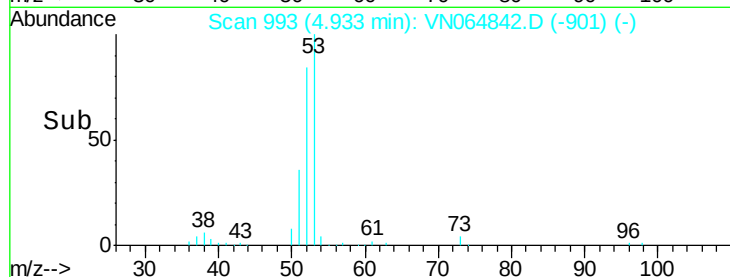
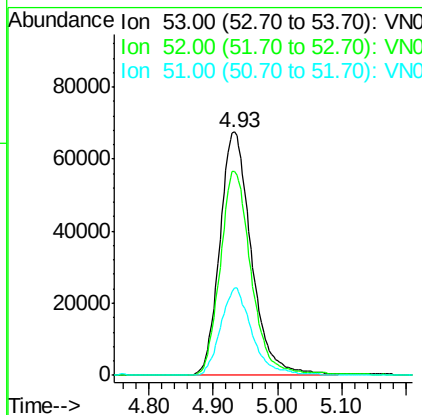
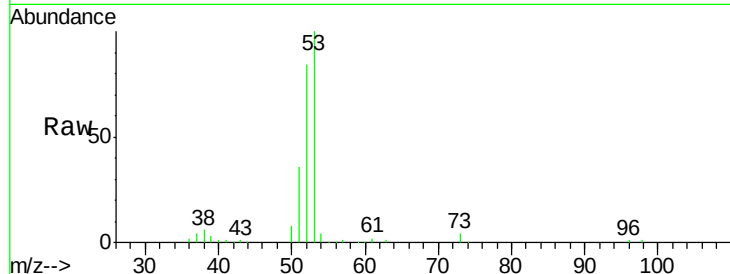
ClientSampleId :

56BR-20201118MSD

Tot Ion:	53	Resp:	229863
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.5	98.3
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 240.076 ug/l

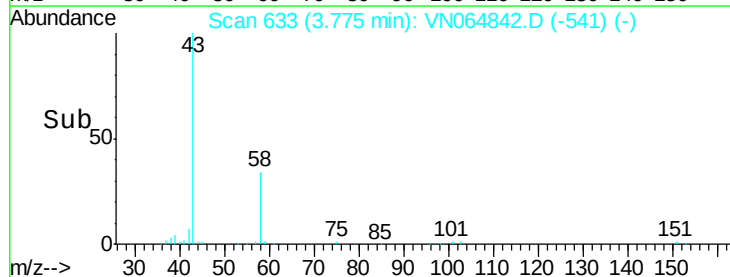
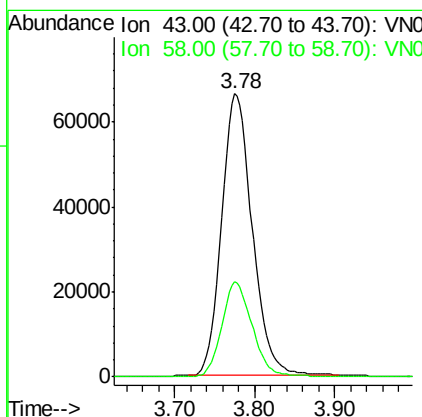
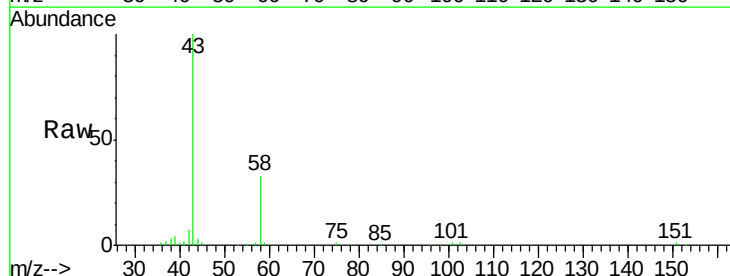
RT: 3.78 min Scan# 633

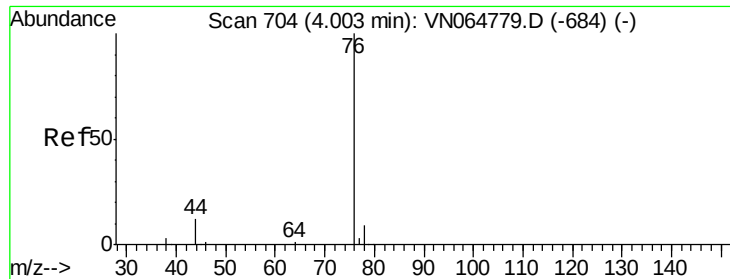
Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:	43	Resp:	173662
Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.7	38.5





#17

Carbon Disulfide

Concen: 47.933 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 76 Resp: 227159

Ion Ratio Lower Upper

76 100

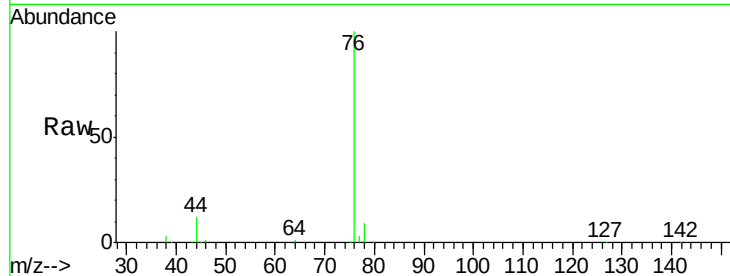
78 9.1 7.4 11.0

Manual Integrations

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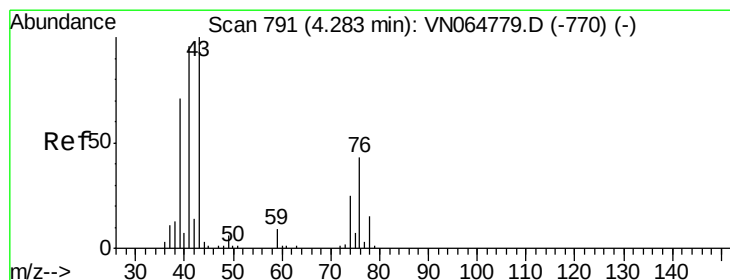
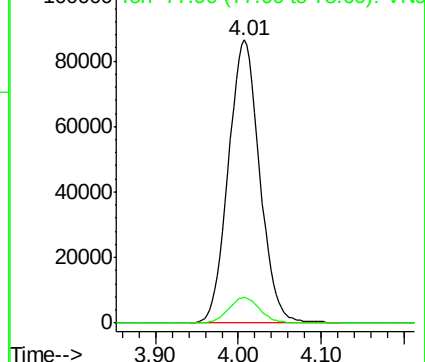
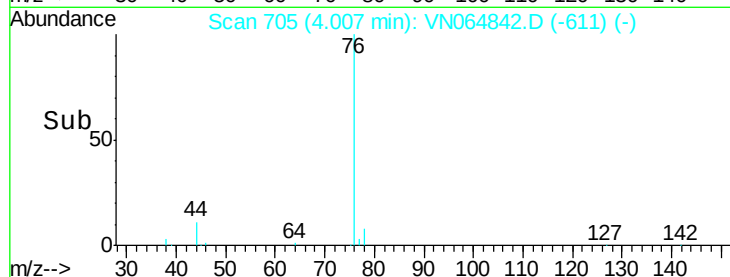
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Abundance Ion 75.90 (75.60 to 76.60): VN064842.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN064842.D (-611) (-)



#18

Methyl Acetate

Concen: 47.541 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064842.D

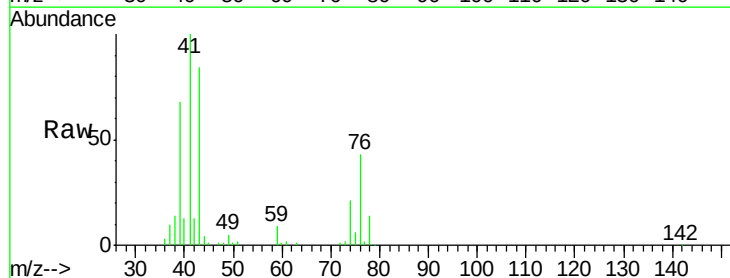
Acq: 25 Nov 2020 4:43

Tgt Ion: 43 Resp: 103394

Ion Ratio Lower Upper

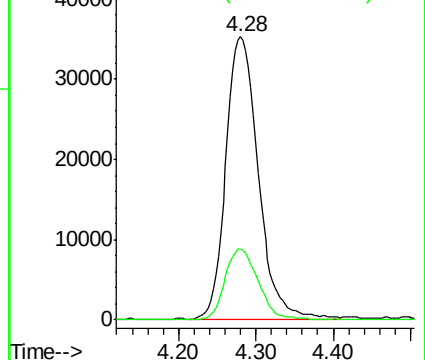
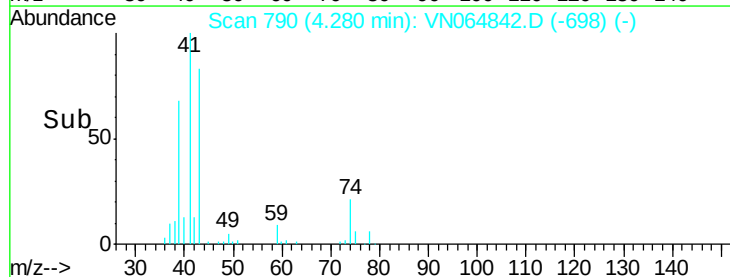
43 100

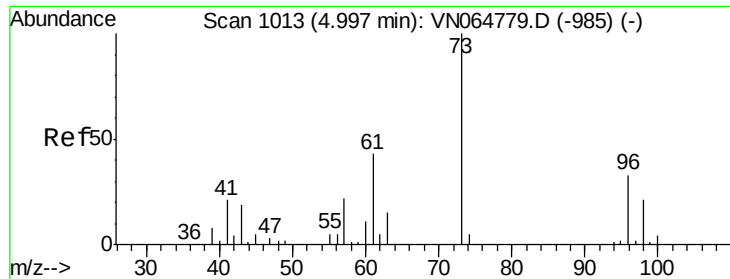
74 25.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064842.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064842.D (-698) (-)





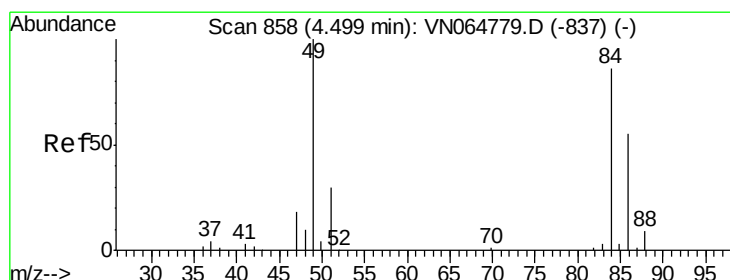
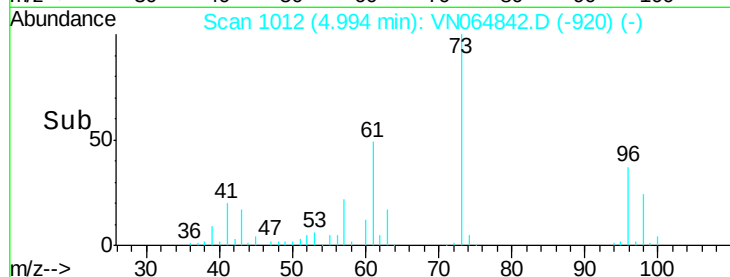
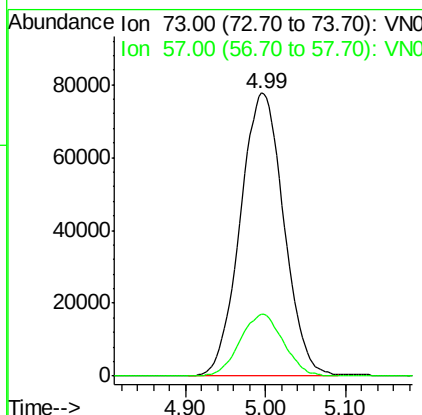
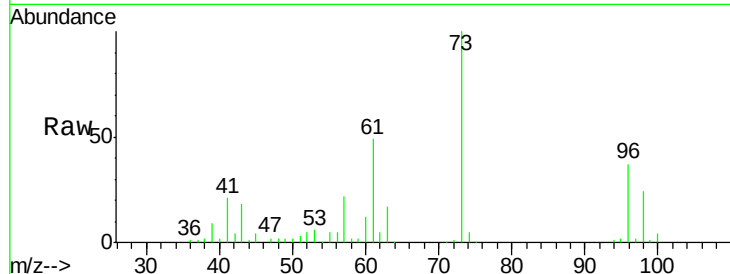
#19
Methyl tert-butyl Ether
Concen: 49.170 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion: 73 Resp: 289447
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0

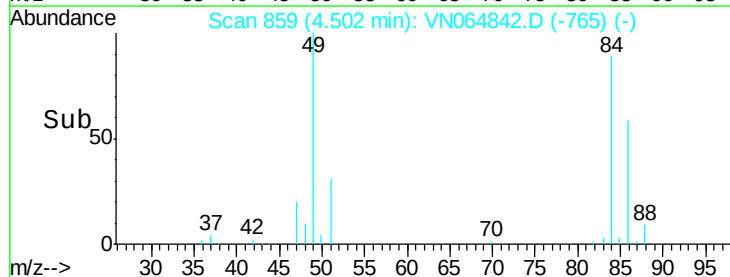
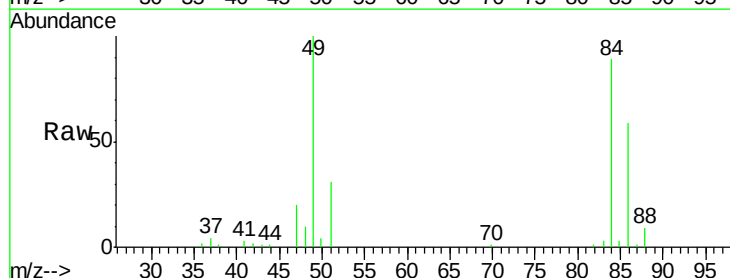
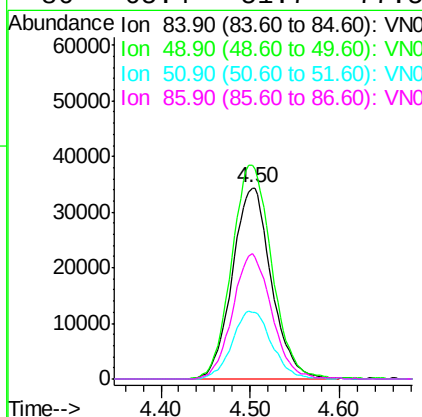
Manual Integrations
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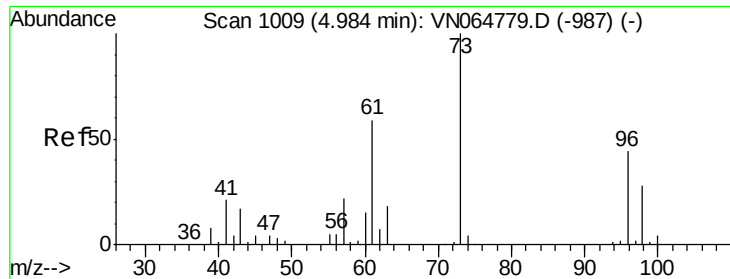
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#20
Methylene Chloride
Concen: 45.993 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 84 Resp: 104253
Ion Ratio Lower Upper
84 100
49 111.8 93.4 140.0
51 35.1 28.2 42.4
86 65.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.714 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

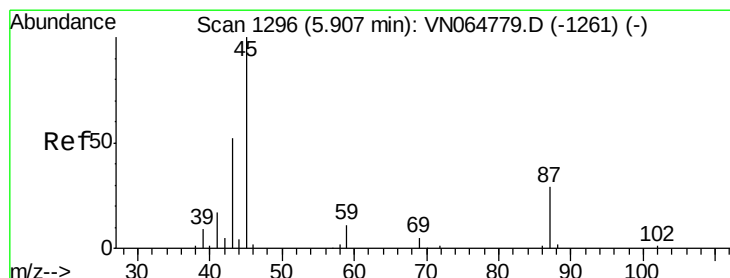
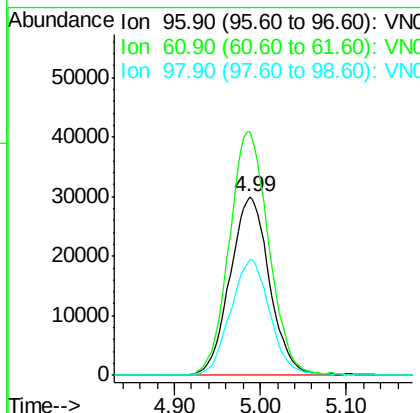
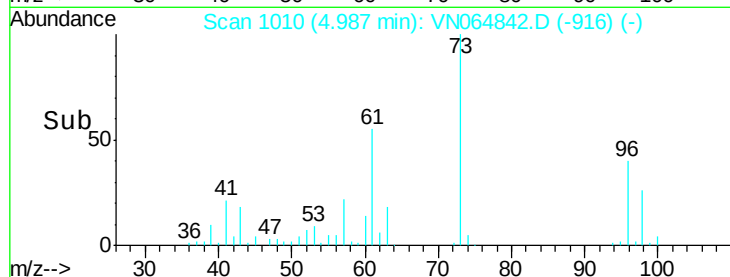
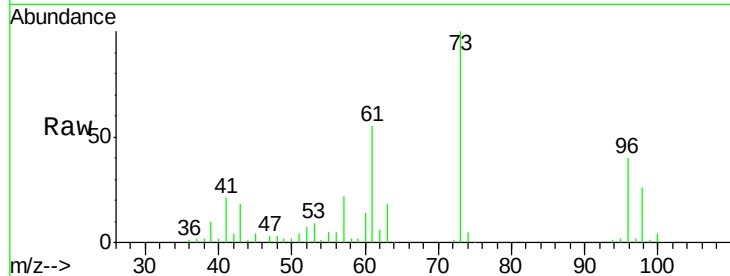
ClientSampleId :

56BR-20201118MSD

Tot Ion:	96	Resp:	95214
Ion	Ratio	Lower	Upper
96	100		
61	136.4	108.4	162.6
98	65.2	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.240 ug/l

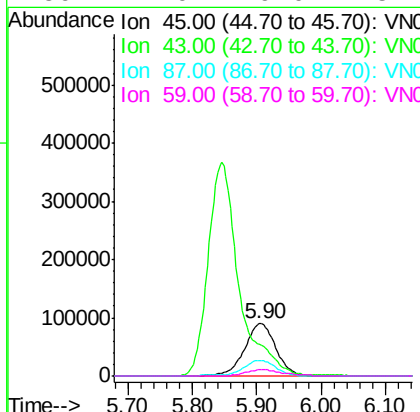
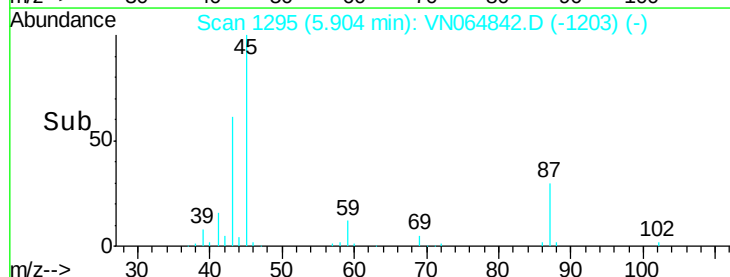
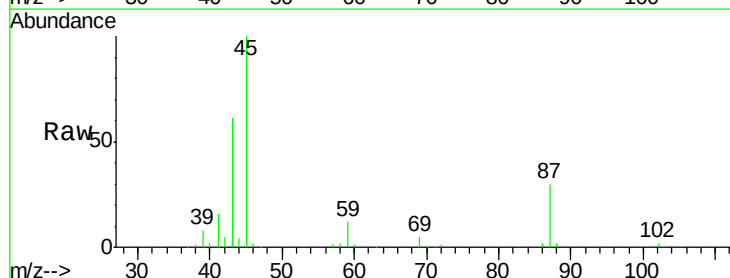
RT: 5.90 min Scan# 1295

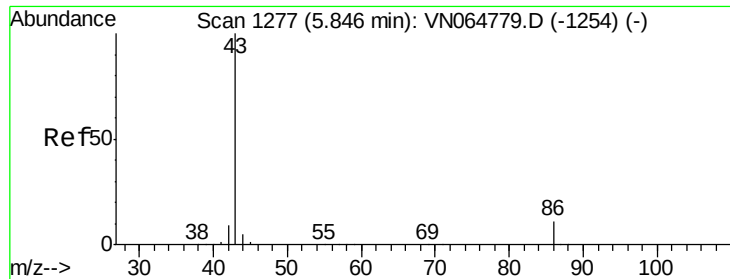
Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:	45	Resp:	304420
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.2	69.2
87	30.1	24.1	36.1
59	12.0	9.0	13.4





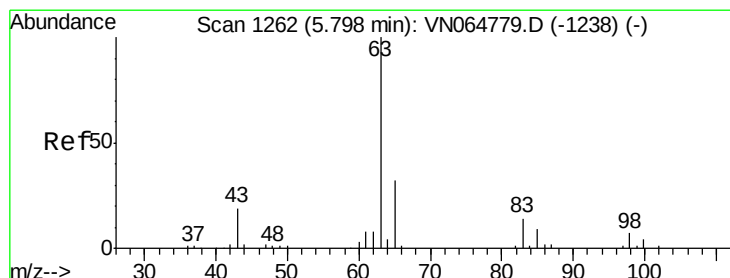
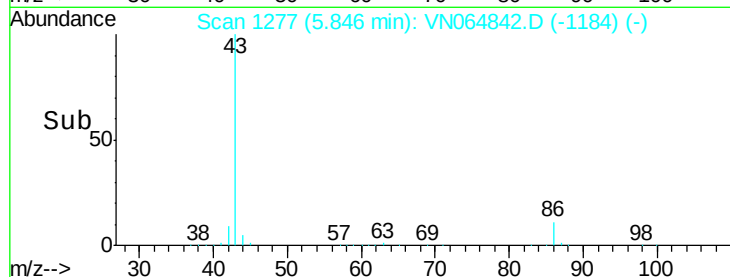
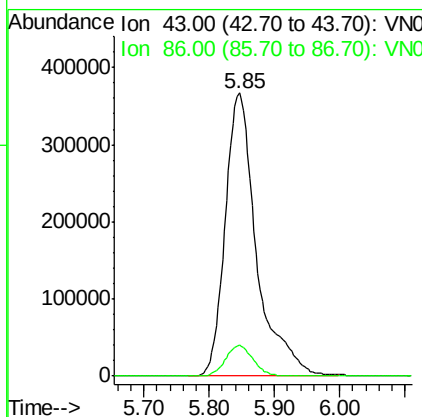
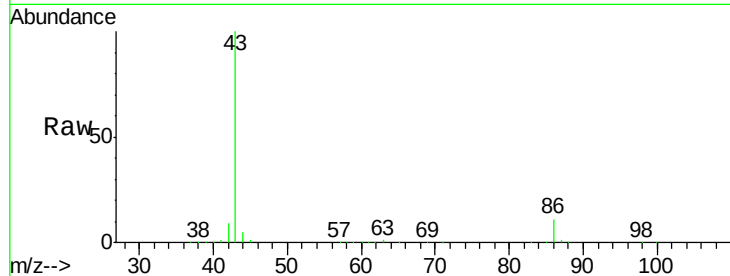
#23
 Vinyl Acetate
 Concen: 252.571 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion: 43 Resp: 1223827
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3

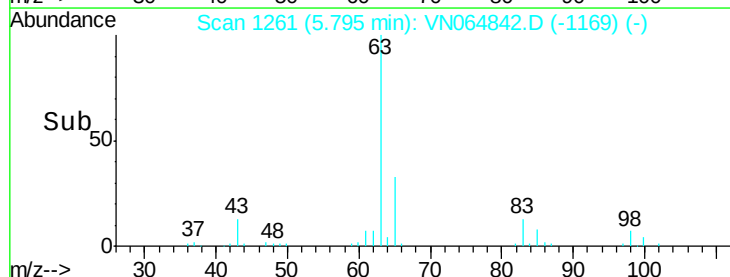
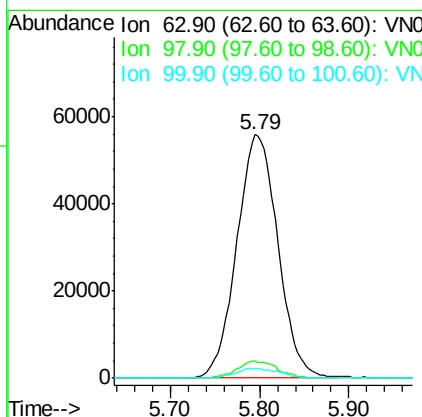
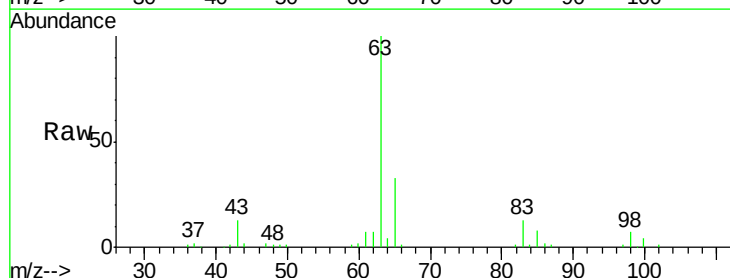
Manual Integrations
 APPROVED

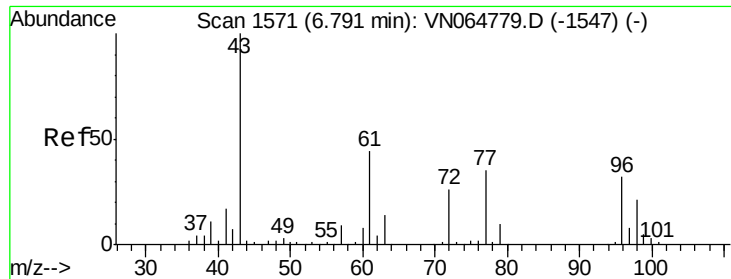
MMDadoda
 11/25/2020 9:51:46 AM



#24
 1,1-Dichloroethane
 Concen: 49.251 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 63 Resp: 178350
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.0 2.3 6.8





#25

2-Butanone

Concen: 241.915 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tot Ion: 43 Resp: 283672

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.6

Instrument :

MSVOA_N

ClientSampleId :

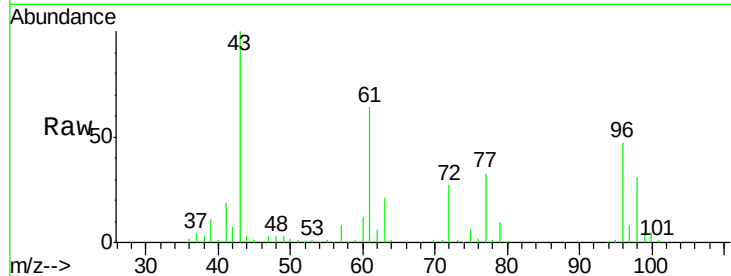
56BR-20201118MSD

Manual Integrations

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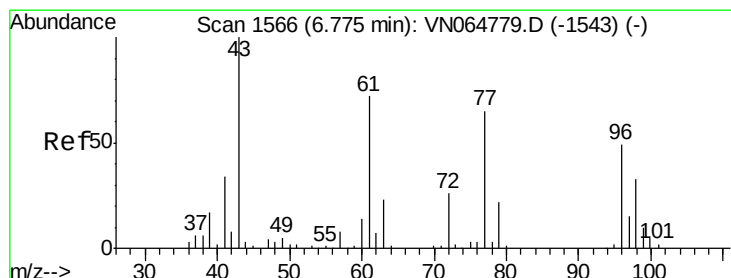
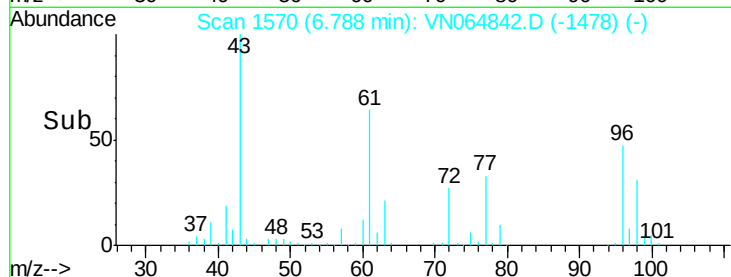
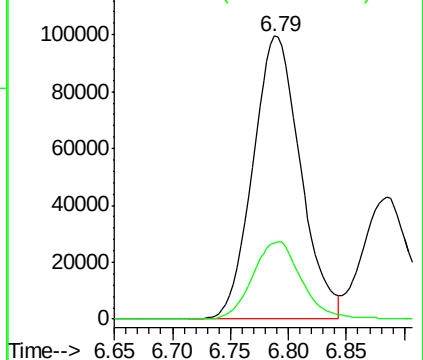
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11/25/2020 9:51:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 39.073 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064842.D

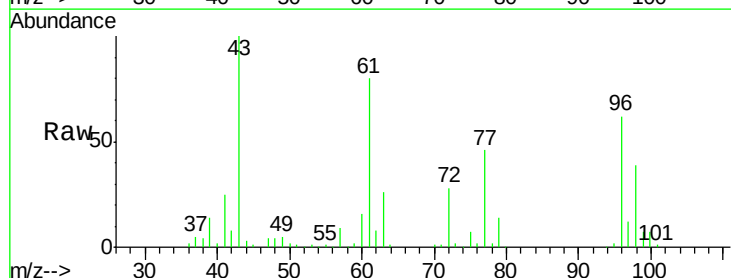
Acq: 25 Nov 2020 4:43

Tgt Ion: 77 Resp: 122719

Ion Ratio Lower Upper

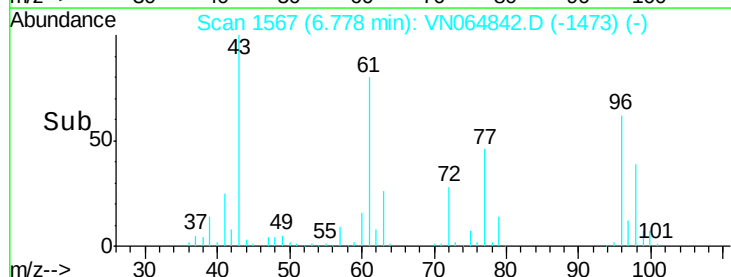
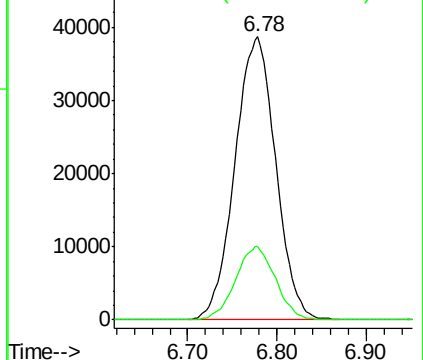
77 100

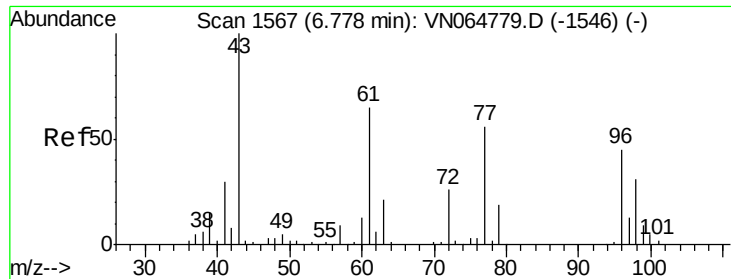
97 25.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 65.736 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 96 Resp: 150770

Ion Ratio Lower Upper

96 100

61 134.3 0.0 285.8

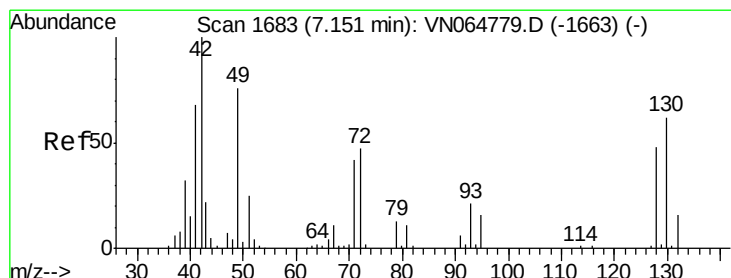
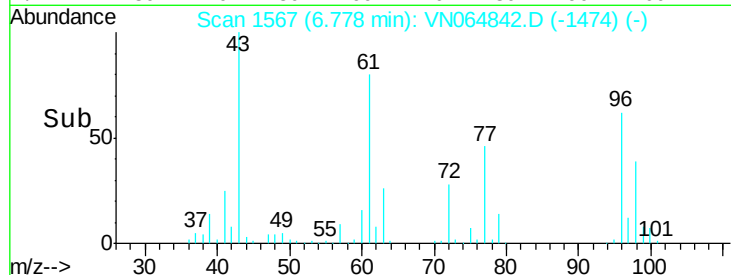
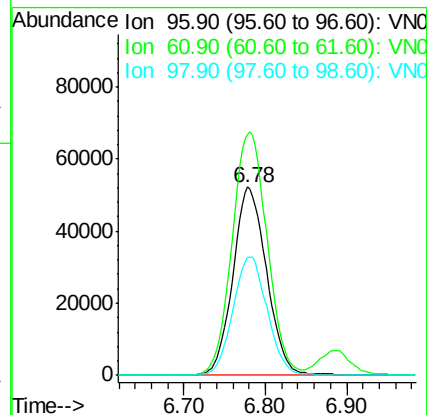
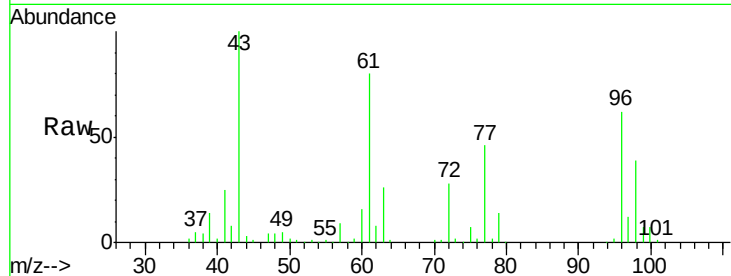
98 63.8 0.0 130.6

Manual Integrations

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#28

Bromochloromethane

Concen: 48.765 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

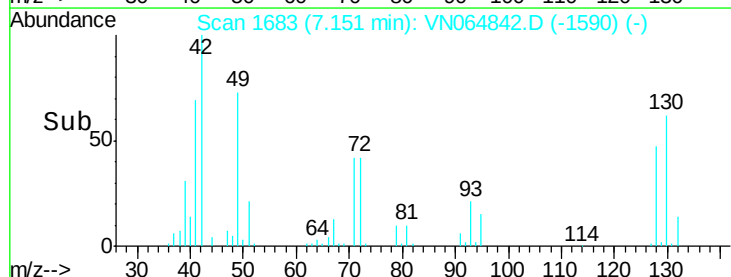
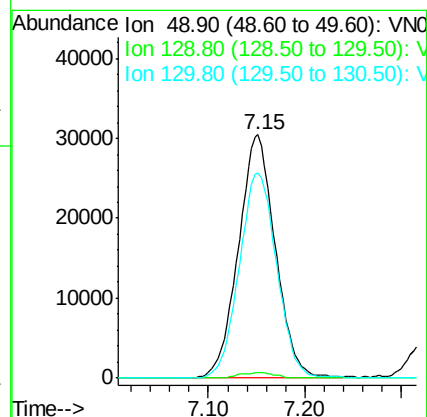
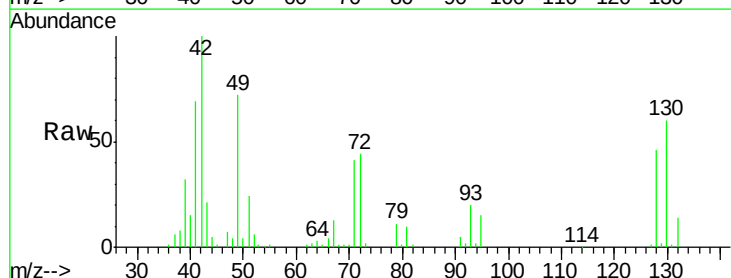
Tgt Ion: 49 Resp: 80785

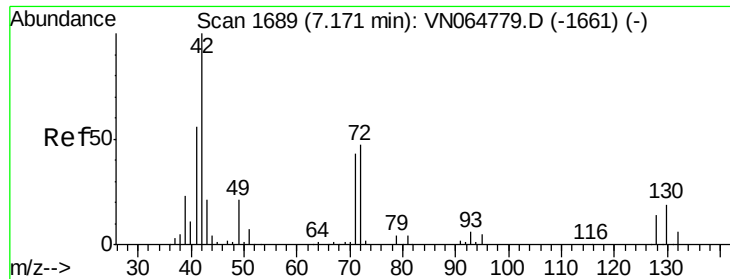
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 85.3 66.2 99.2





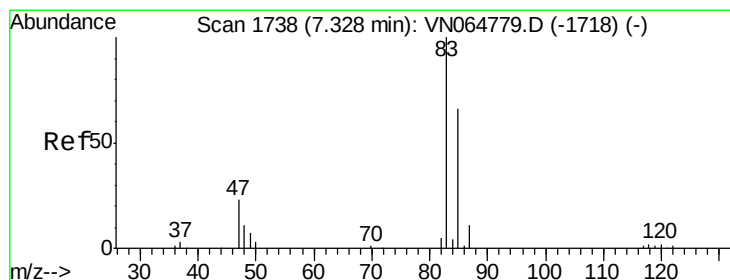
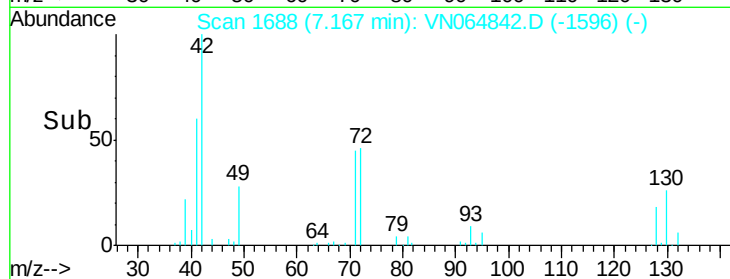
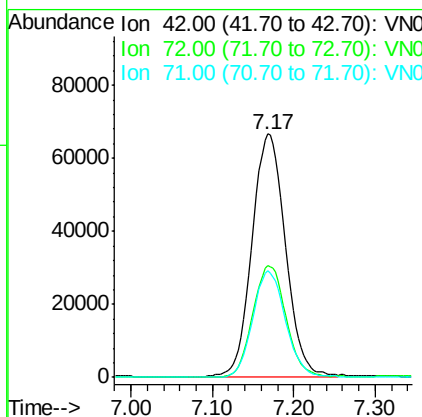
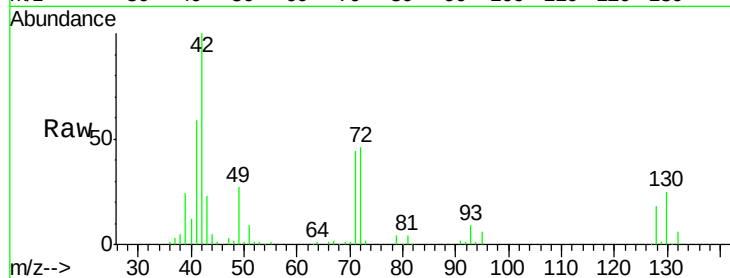
#29
Tetrahydrofuran
Concen: 235.248 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.6	54.8
71	42.5	33.6	50.4

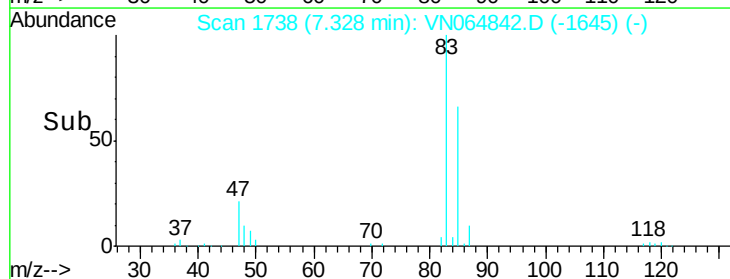
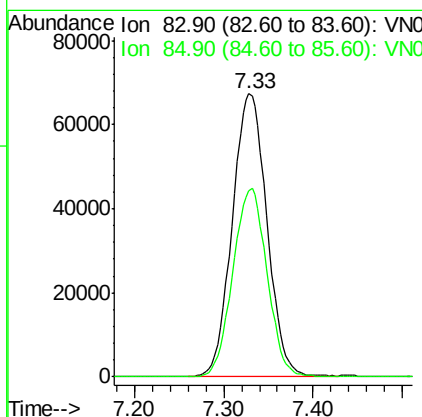
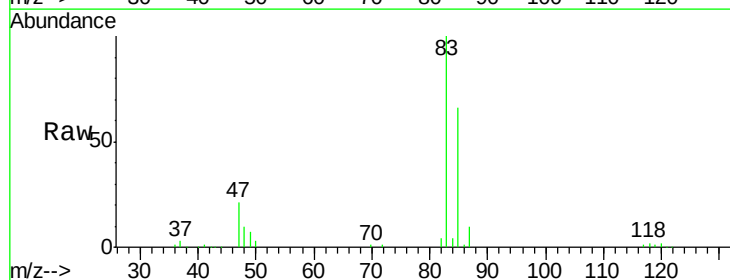
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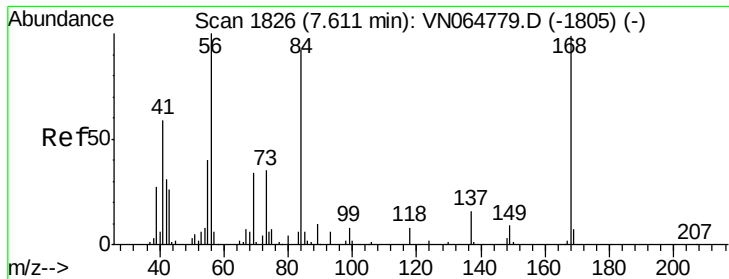
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#30
Chloroform
Concen: 48.486 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





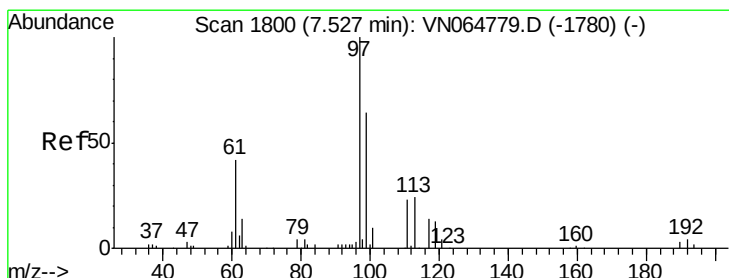
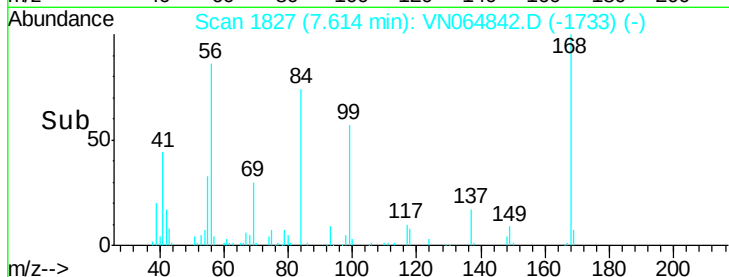
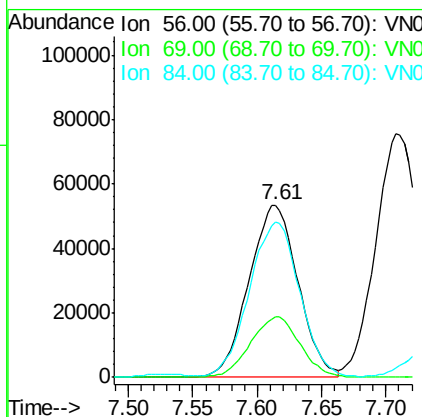
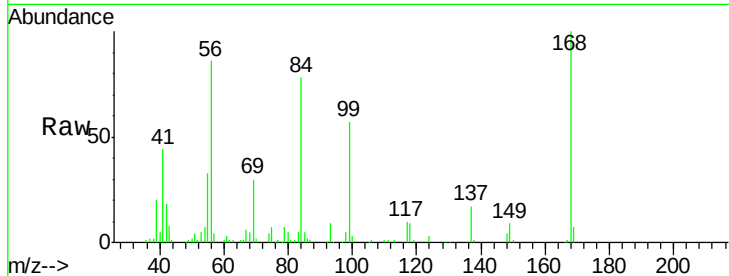
#31
Cyclohexane
Concen: 46.195 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	27.5	41.3
84	89.2	73.9	110.9

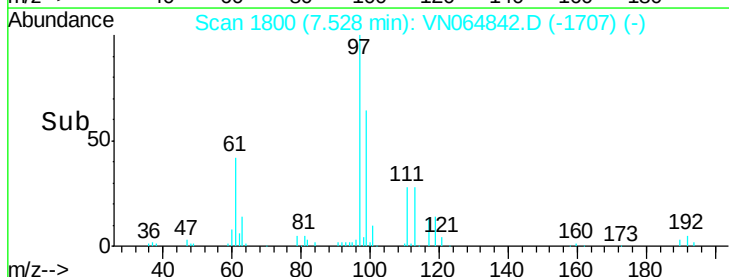
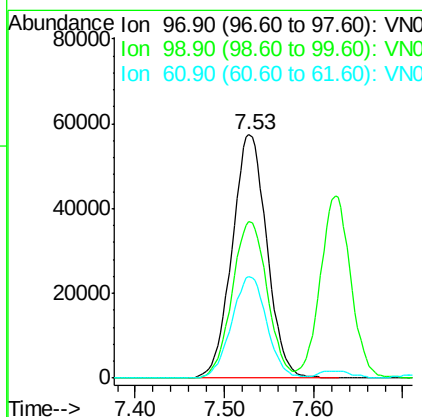
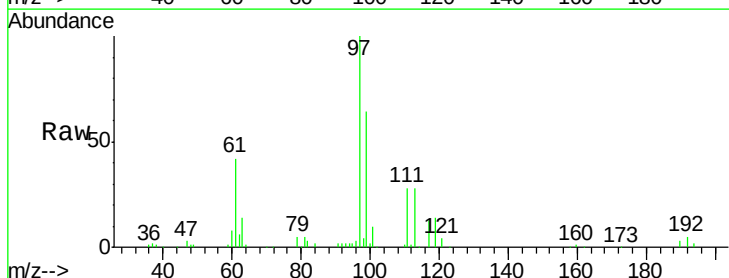
Manual Integrations
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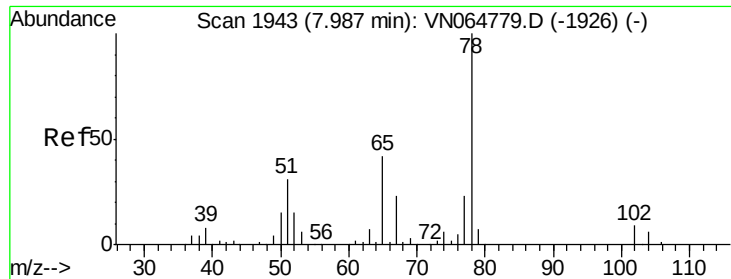
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#32
1,1,1-Trichloroethane
Concen: 48.387 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	42.2	33.9	50.9





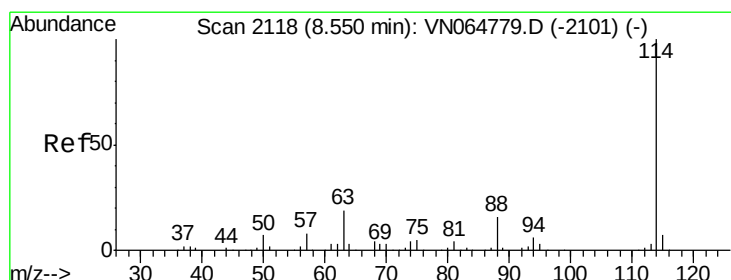
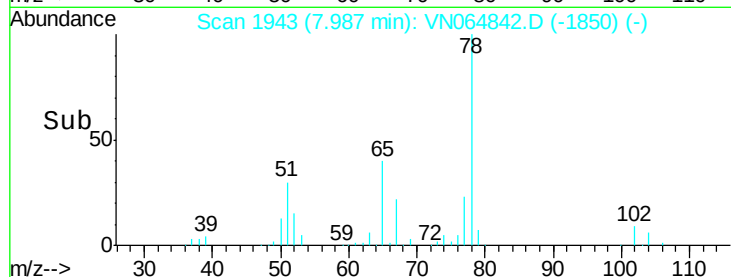
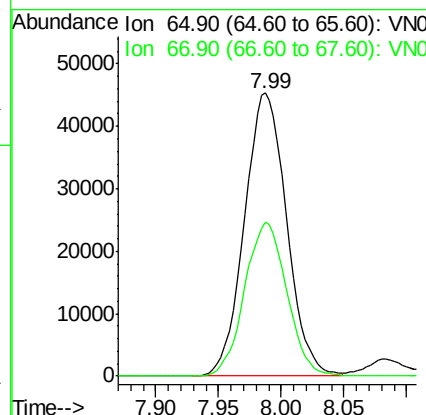
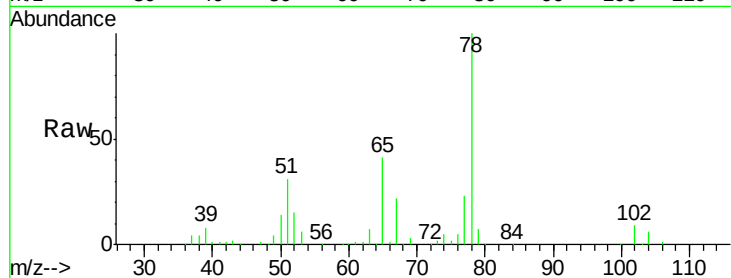
#33
 1,2-Dichloroethane-d4
 Concen: 48.159 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105974		
67	54.3	0.0	108.2	

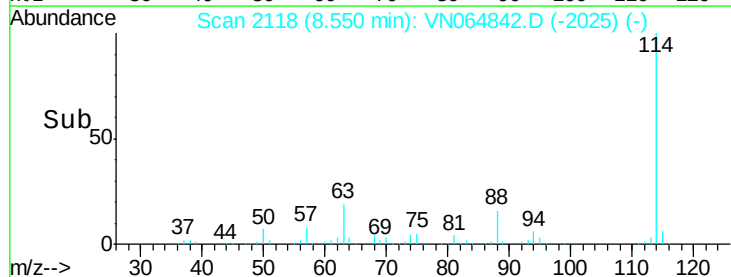
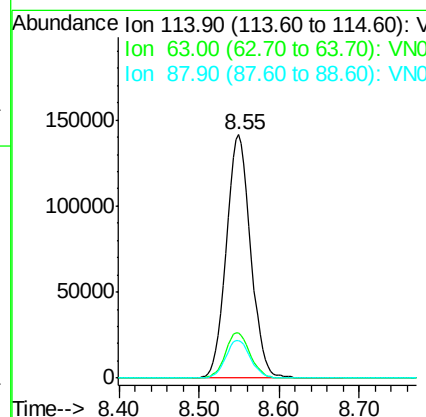
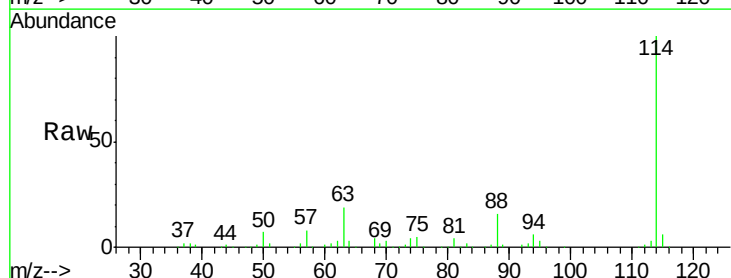
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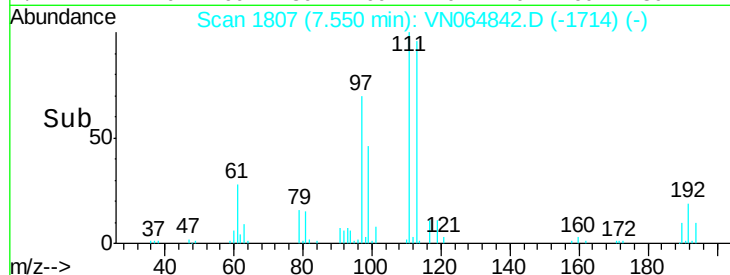
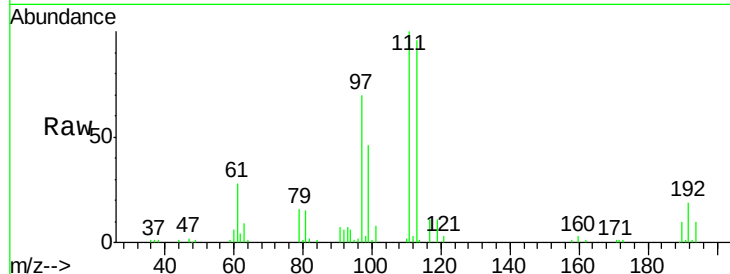
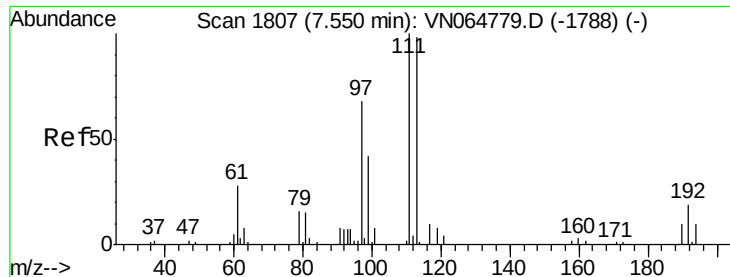
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295448		
63	18.6	0.0	38.6	
88	15.5	0.0	32.6	





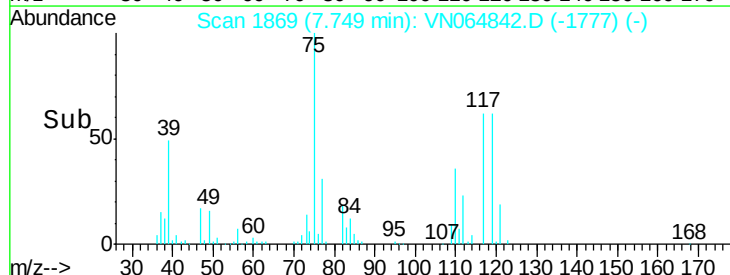
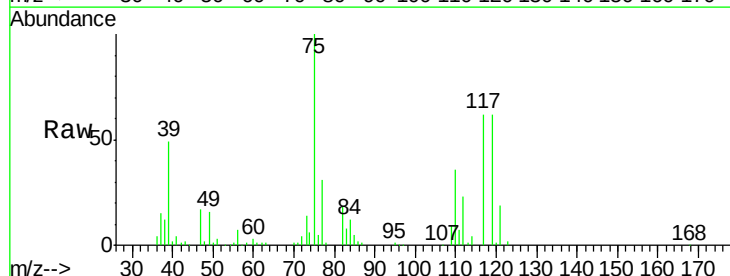
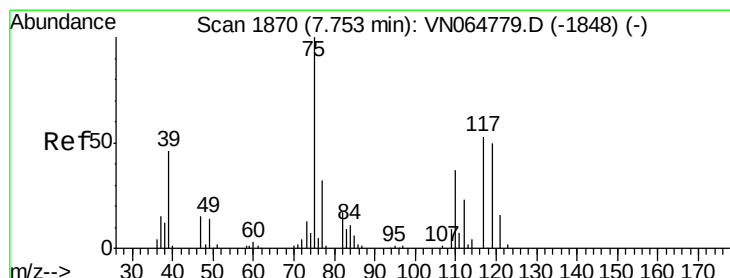
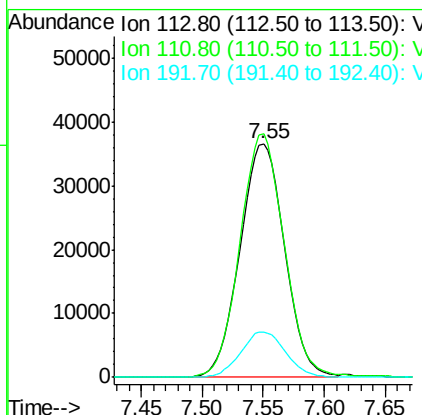
#35
Dibromofluoromethane
Concen: 52.440 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	81.6	122.4	
192	19.6	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

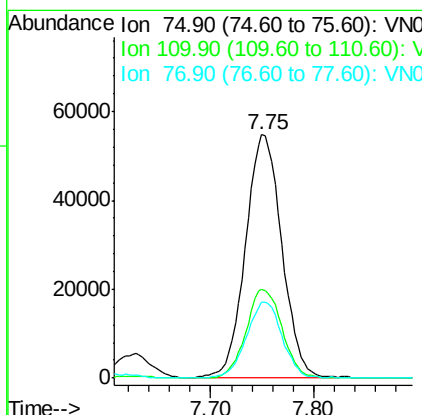
Manual Integrations
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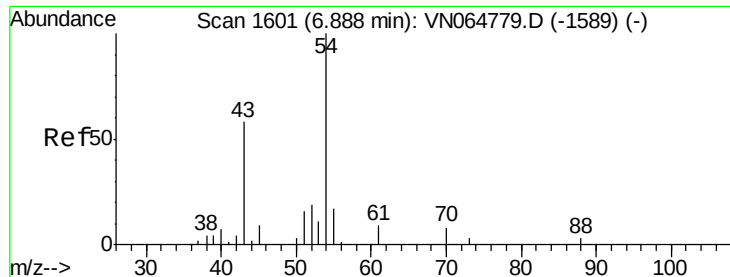
MMDadoda
11/25/2020 9:51:46 AM



#36
1,1-Dichloropropene
Concen: 48.980 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	17.8	53.3	
77	30.7	25.0	37.4	





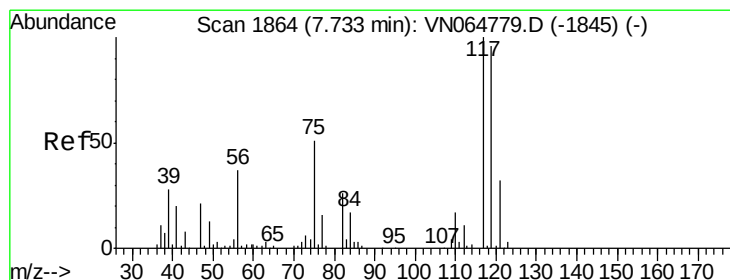
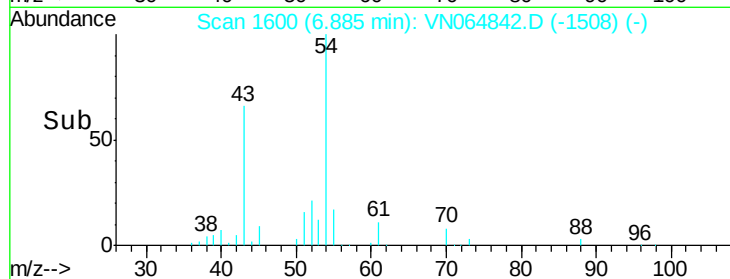
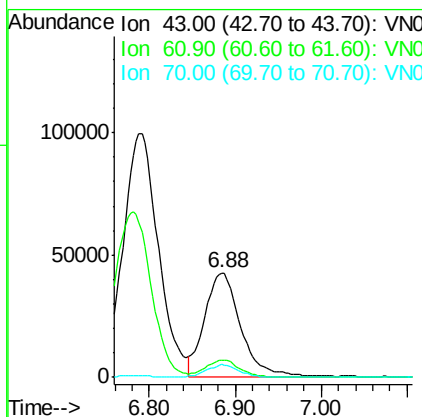
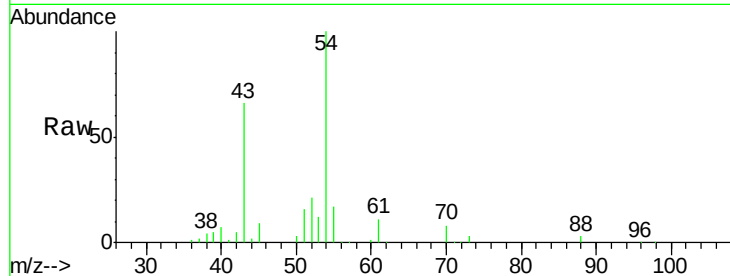
#37
Ethyl Acetate
Concen: 46.766 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.8	19.2
70	11.0	8.8	13.2

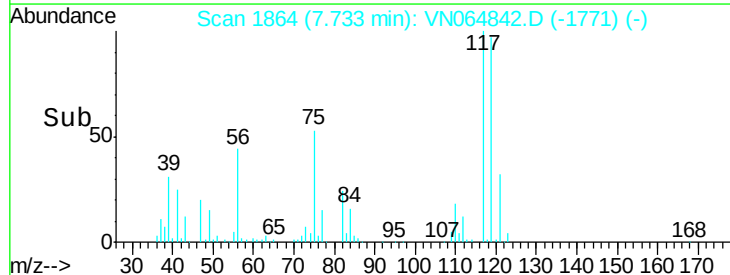
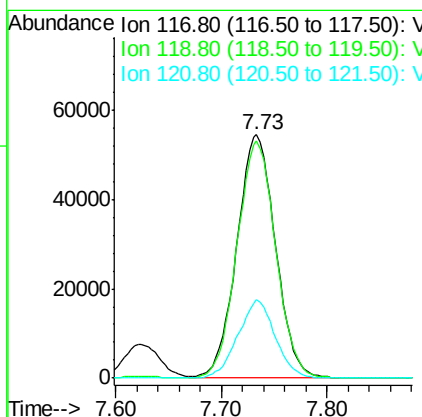
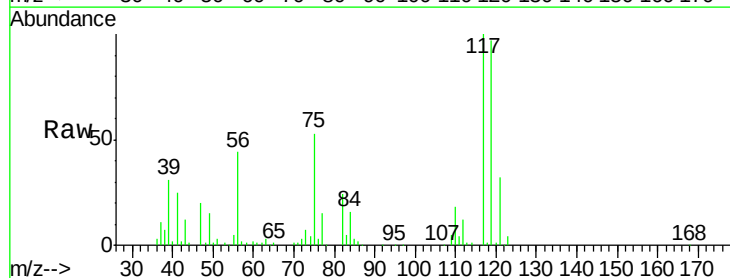
Manual Integrations
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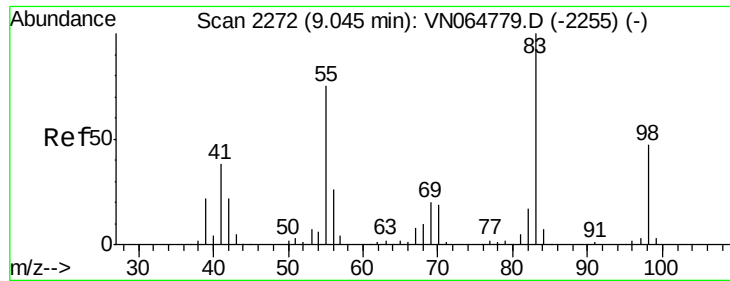
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#38
Carbon Tetrachloride
Concen: 48.828 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.7	115.1
121	32.3	25.4	38.2





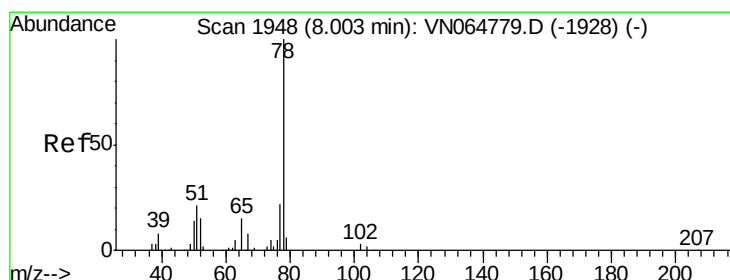
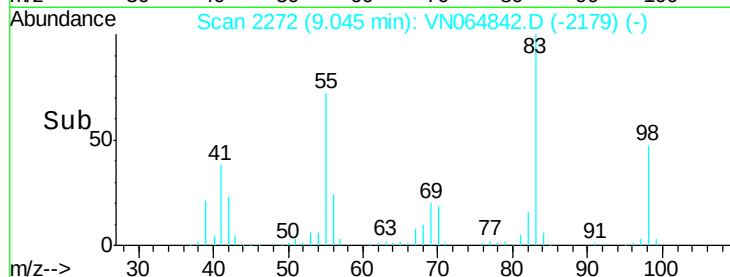
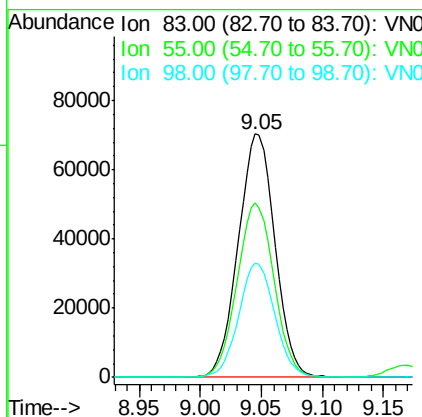
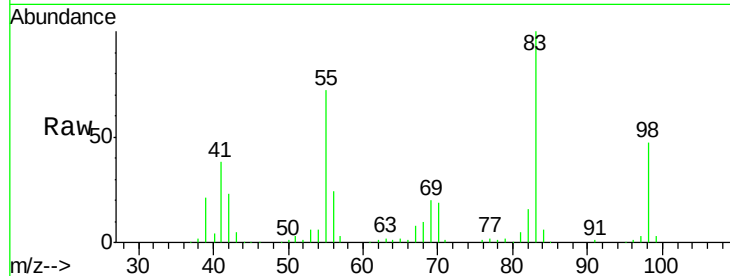
#39
Methylvlcyclohexane
Concen: 49.618 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	60.2	90.2
98	47.2	37.4	56.2

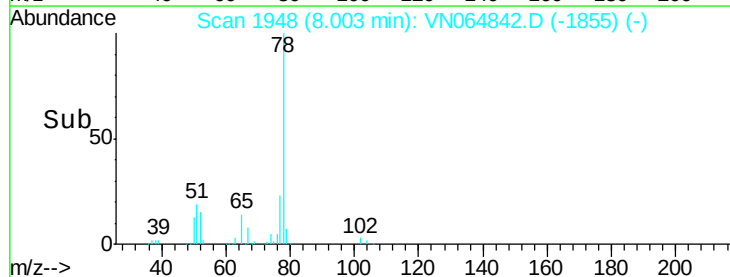
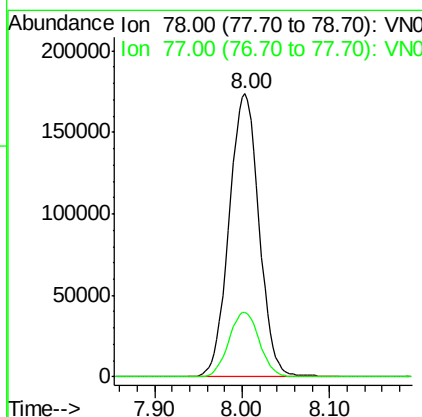
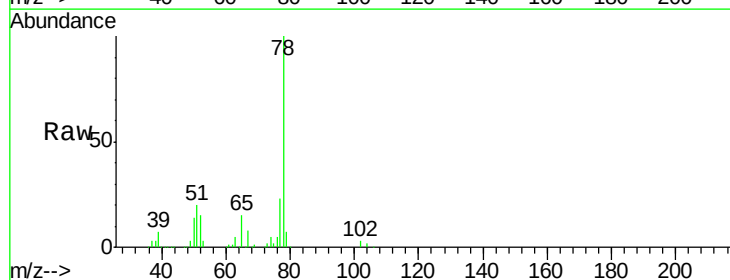
Manual Integrations
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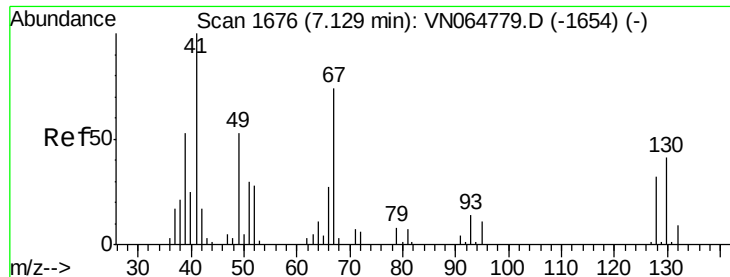
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11/25/2020 9:51:46 AM



#40
Benzene
Concen: 49.159 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.9	26.9





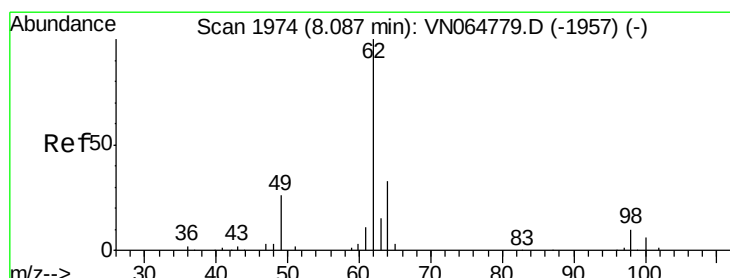
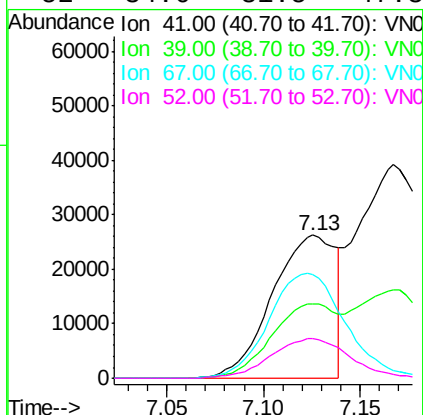
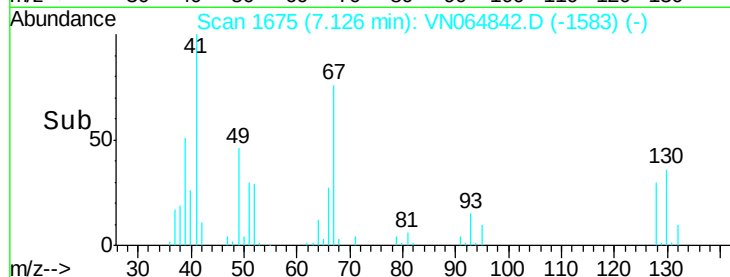
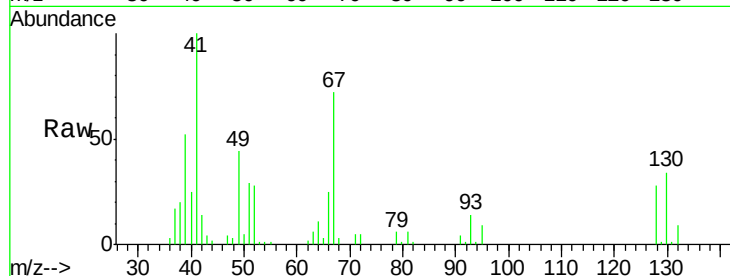
#41
Methacrylonitrile
Concen: 49.120 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		59788		
39	52.0	51.0	76.6		
67	89.1	79.8	119.8		
52	34.6	31.5	47.3		

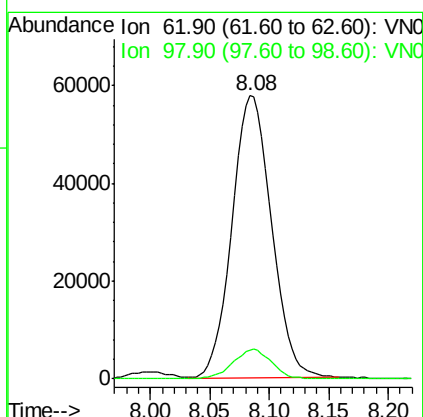
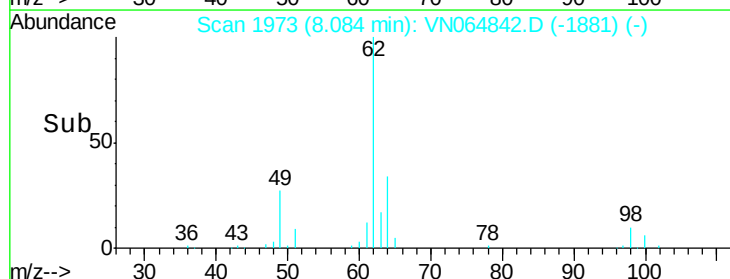
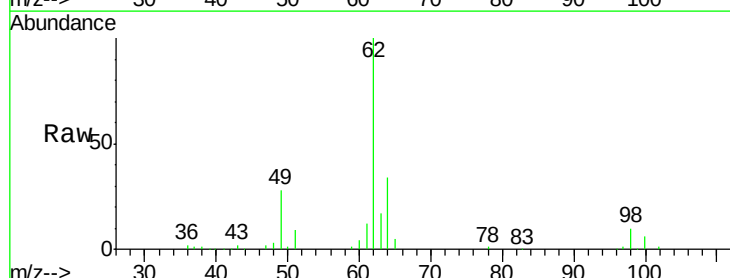
Manual Integrations
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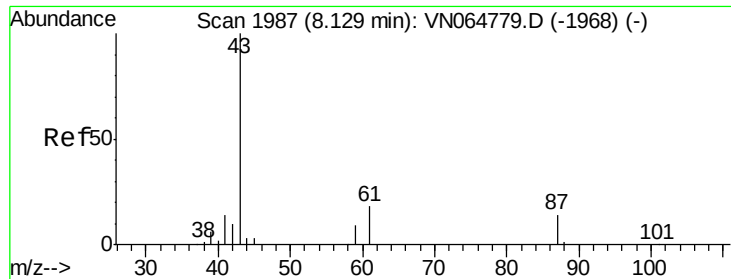
MMDadoda
11/25/2020 9:51:46 AM



#42
1,2-Dichloroethane
Concen: 47.003 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		133062		
98	10.1	0.0	19.6		





#43

Isopropyl Acetate

Concen: 47.104 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

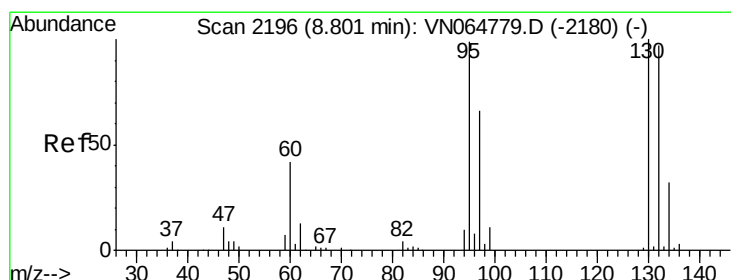
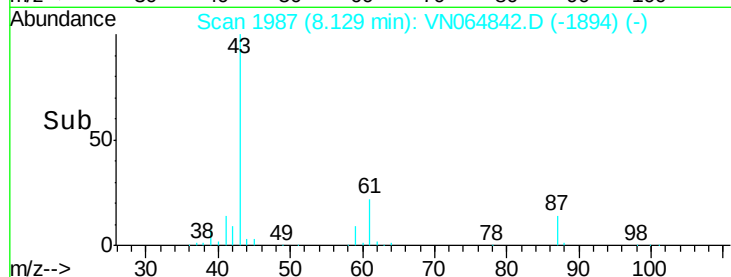
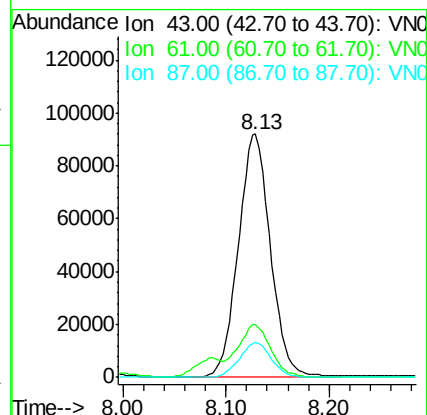
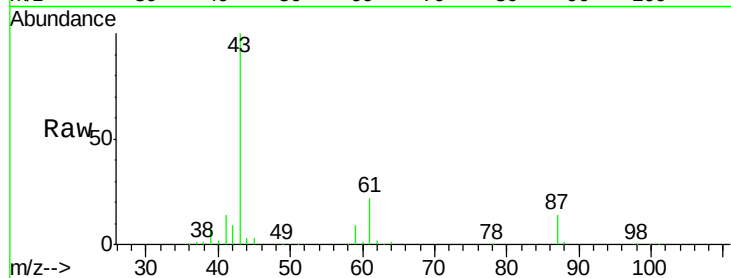
ClientSampleId :

56BR-20201118MSD

Tot Ion:	43	Resp:	199943
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.2	25.8
87	14.1	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 142.711 ug/l

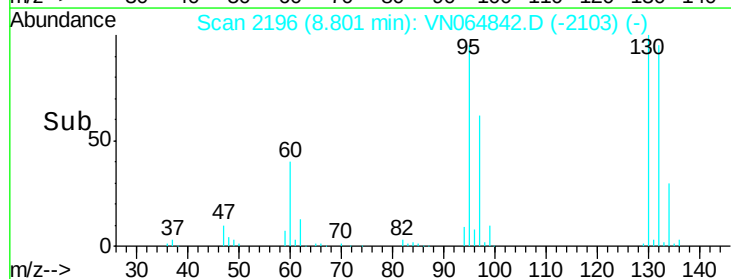
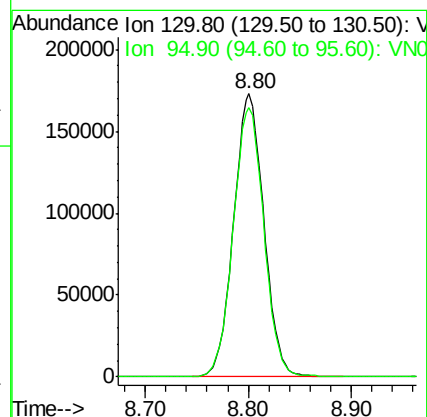
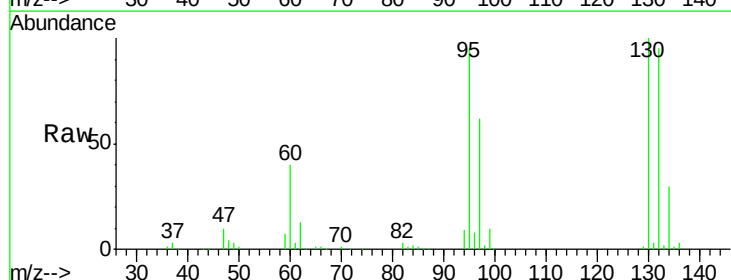
RT: 8.80 min Scan# 2196

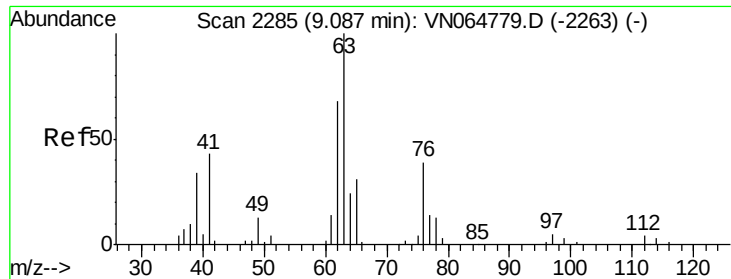
Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:	130	Resp:	353352
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	197.8





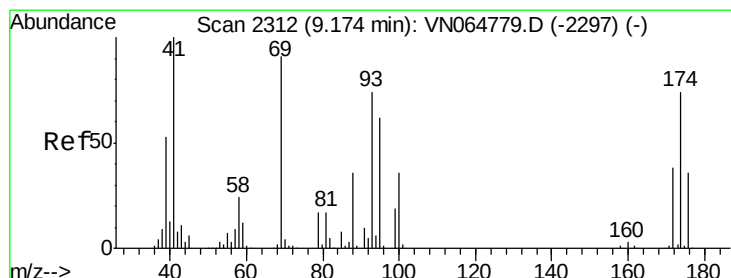
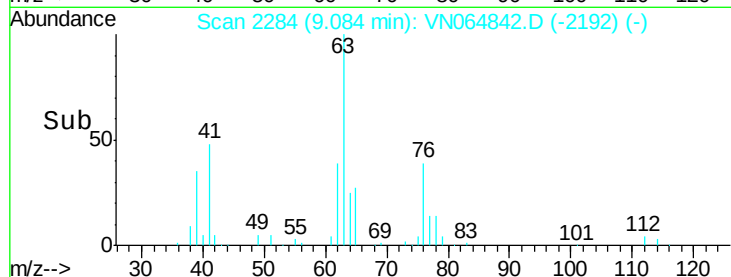
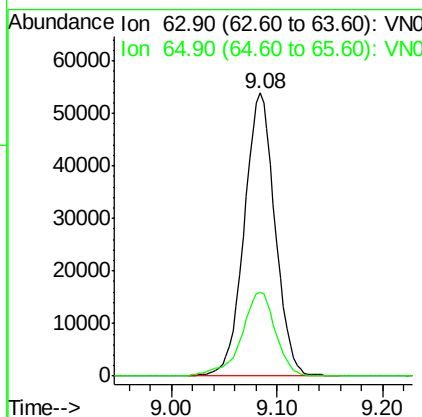
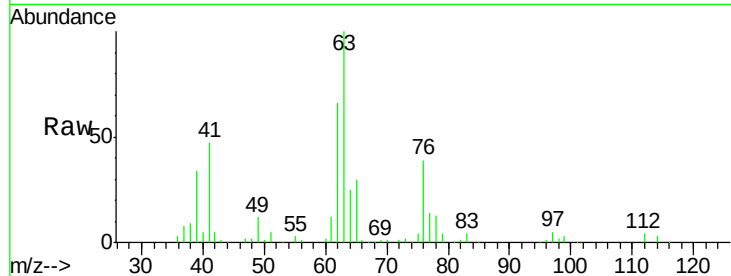
#45
 1,2-Dichloropropane
 Concen: 50.457 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion: 63 Resp: 109652
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

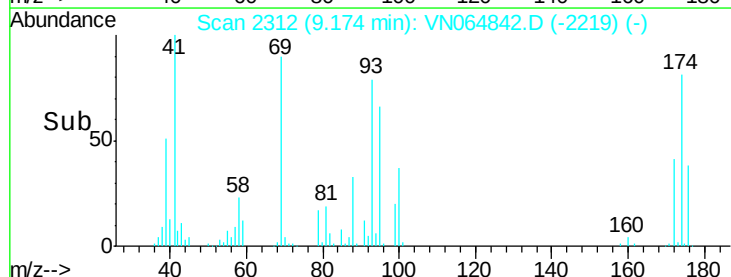
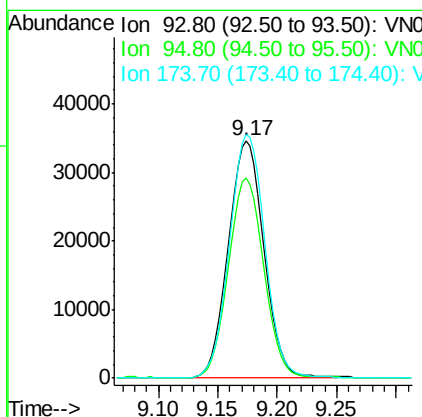
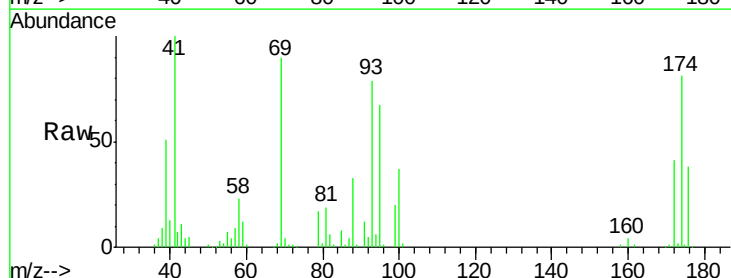
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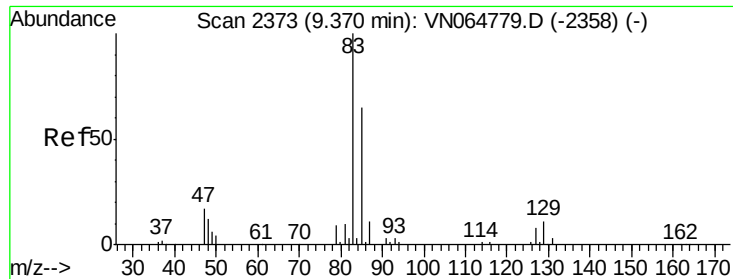
MMDadoda
 11/25/2020 9:51:46 AM



#46
 Dibromomethane
 Concen: 49.660 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 93 Resp: 72098
 Ion Ratio Lower Upper
 93 100
 95 83.9 68.8 103.2
 174 101.7 83.1 124.7





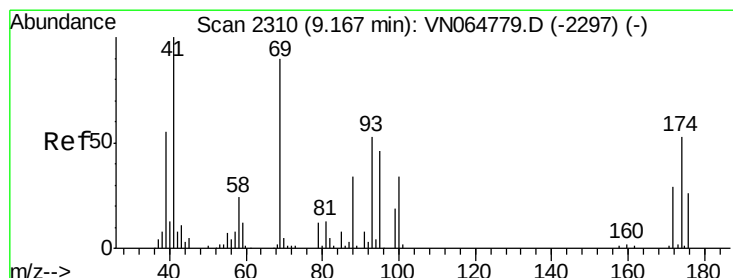
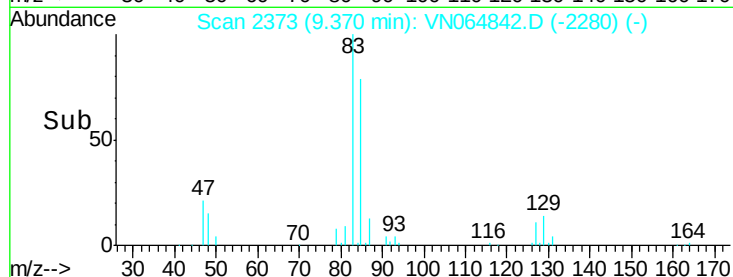
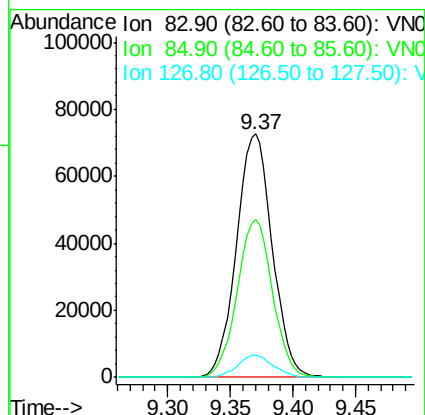
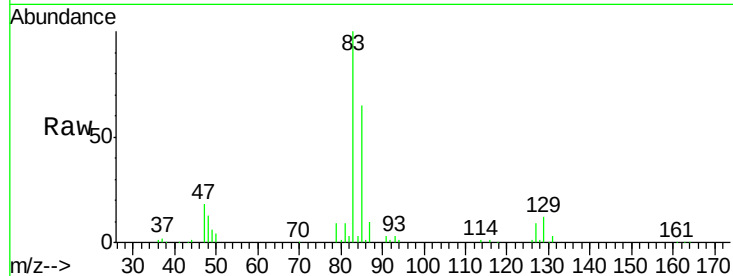
#47
Bromodichloromethane
Concen: 49.292 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	143995		
85	64.6	51.8	77.8	
127	9.0	6.8	10.2	

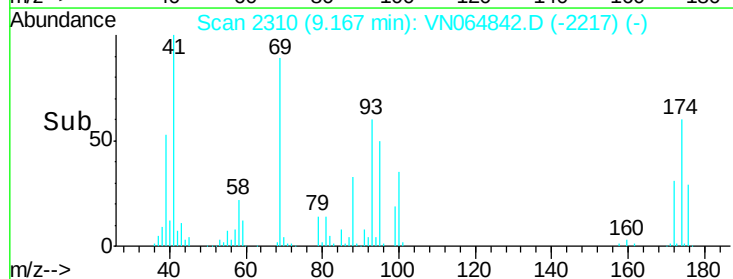
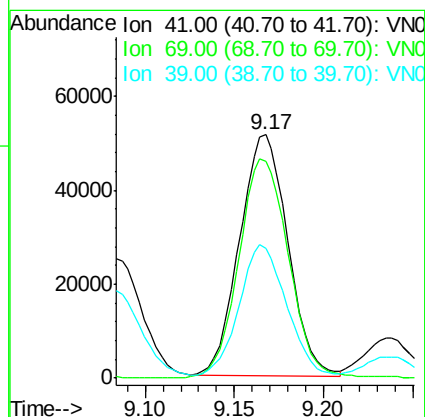
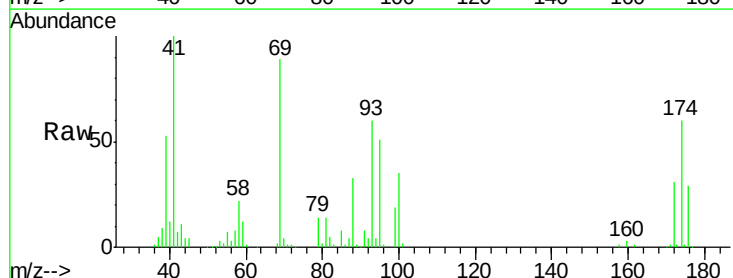
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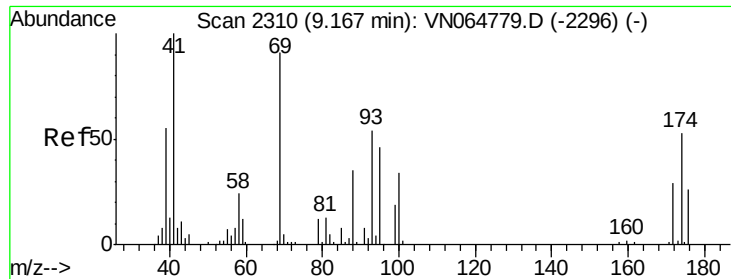
MMDadoda
11/25/2020 9:51:46 AM



#48
Methyl methacrylate
Concen: 47.739 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	96829		
69	94.3	71.8	107.8	
39	55.6	44.1	66.1	





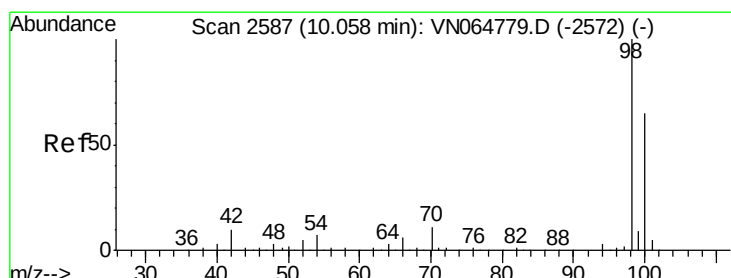
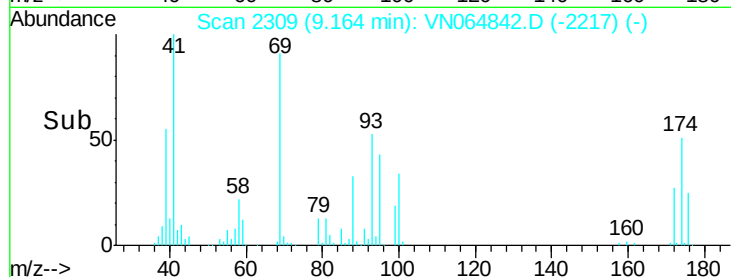
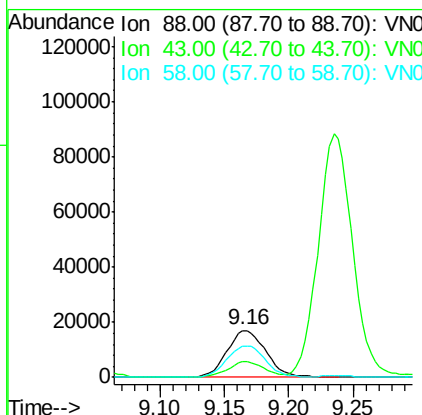
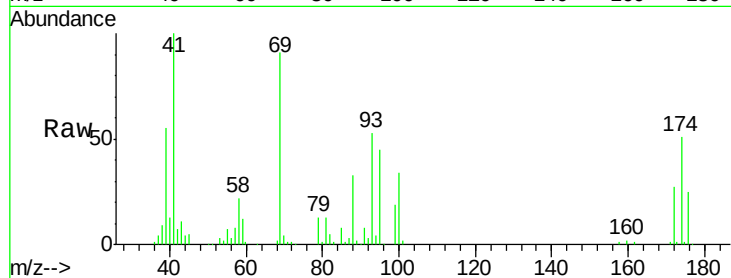
#49
 1,4-Dioxane
 Concen: 936.897 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.2	36.4
58	65.9	52.5	78.7

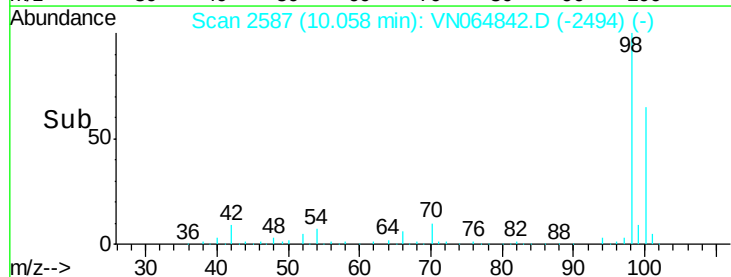
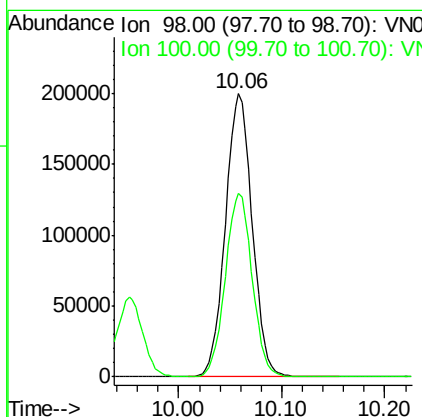
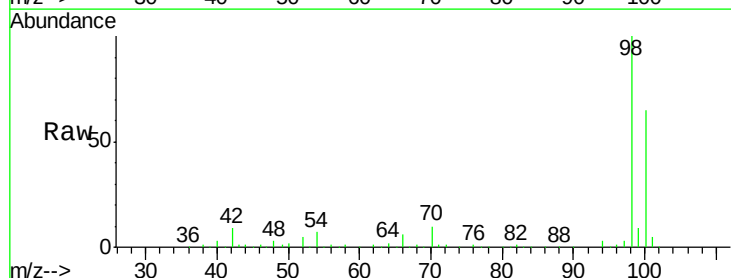
Manual Integrations
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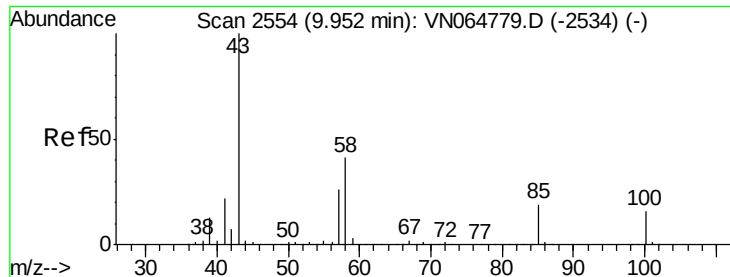
MMDadoda
 11/25/2020 9:51:46 AM



#50
 Toluene-d8
 Concen: 50.208 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 239.039 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 43 Resp: 609146

Ion Ratio Lower Upper

43 100

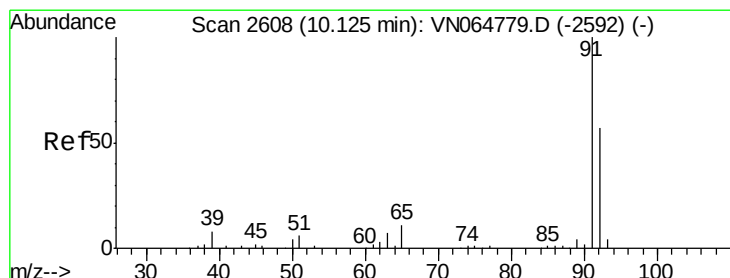
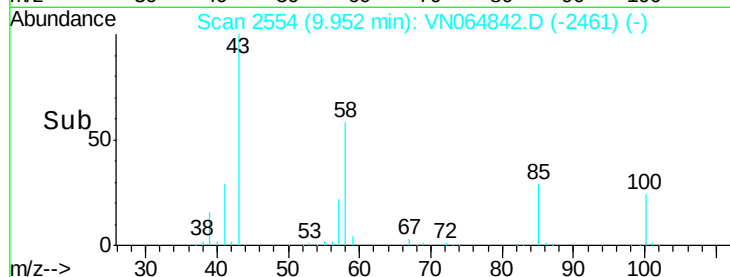
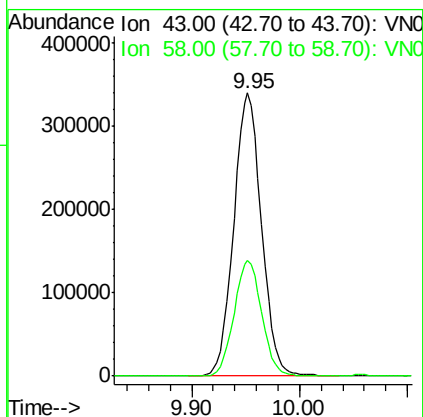
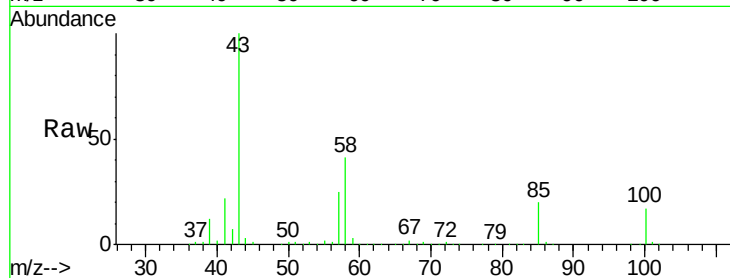
58 40.7 32.4 48.6

Manual Integrations

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MMDadoda

11/25/2020 9:51:46 AM



#52

Toluene

Concen: 50.130 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064842.D

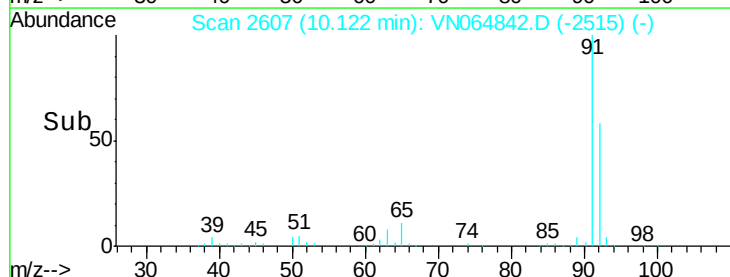
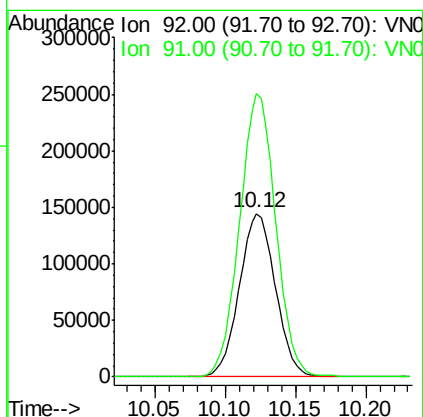
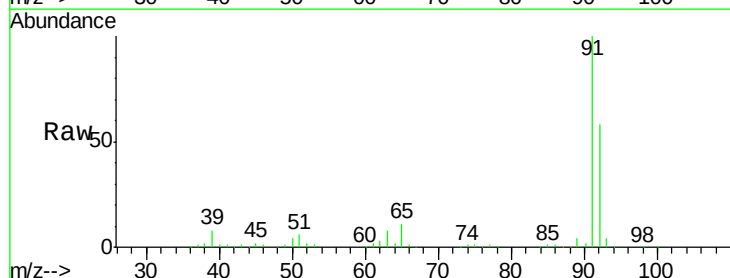
Acq: 25 Nov 2020 4:43

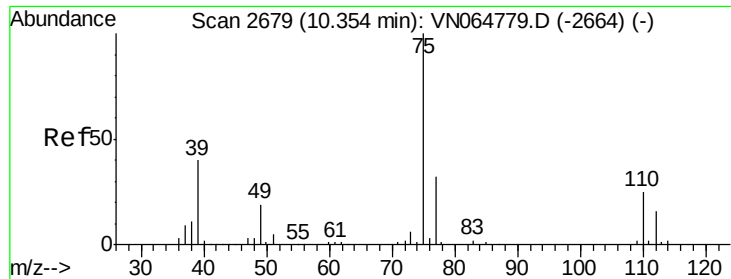
Tgt Ion: 92 Resp: 259069

Ion Ratio Lower Upper

92 100

91 173.7 139.1 208.7





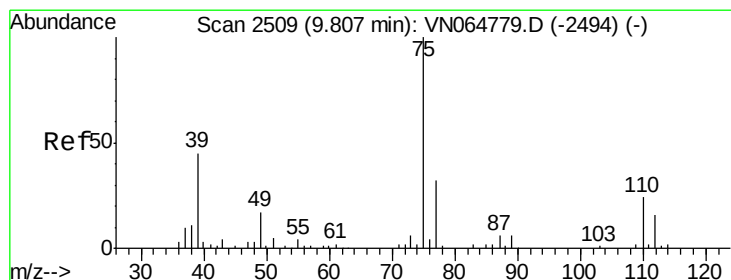
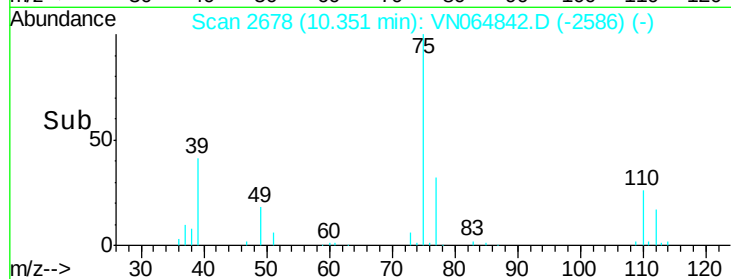
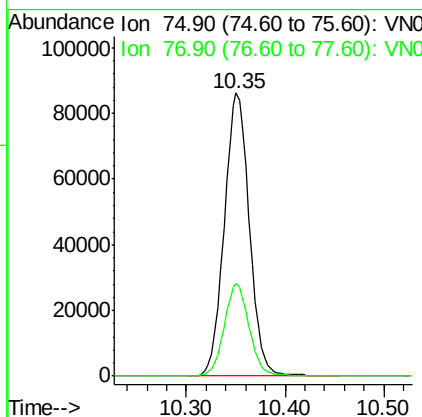
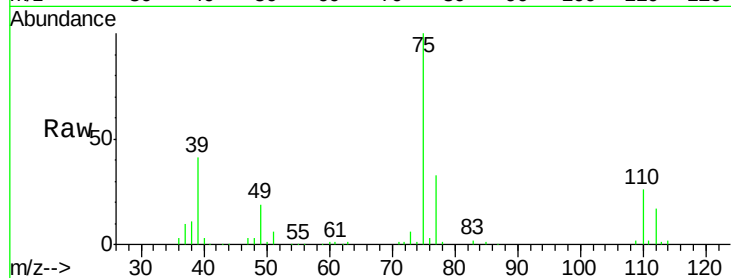
#53
t-1,3-Dichloropropene
Concen: 47.233 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion: 75 Resp: 153682
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6

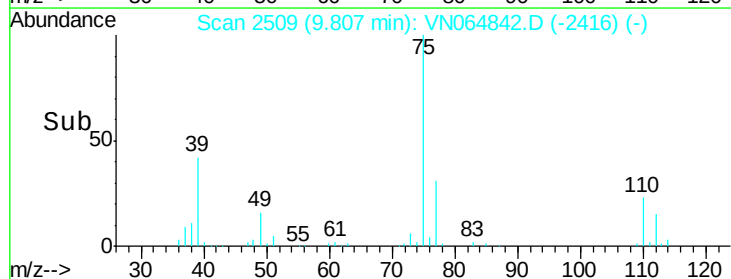
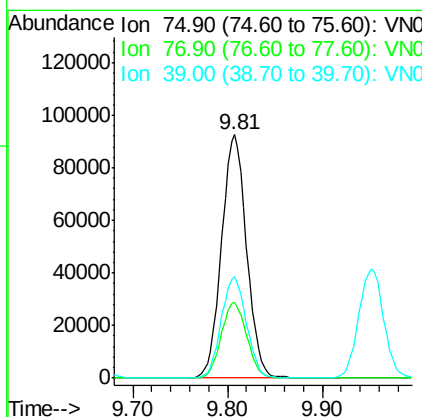
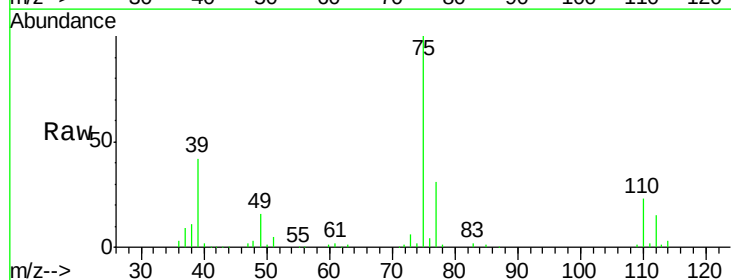
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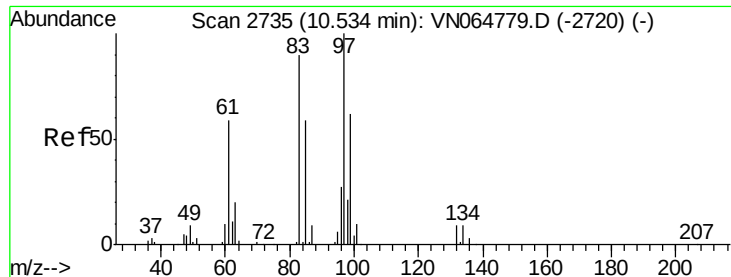
MMDadoda
11/25/2020 9:51:46 AM



#54
cis-1,3-Dichloropropene
Concen: 48.867 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 75 Resp: 170425
Ion Ratio Lower Upper
75 100
77 31.0 25.5 38.3
39 41.5 35.6 53.4





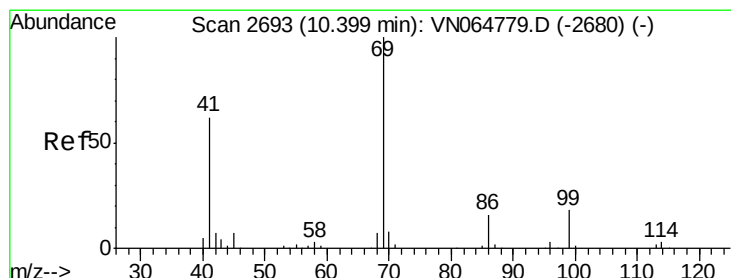
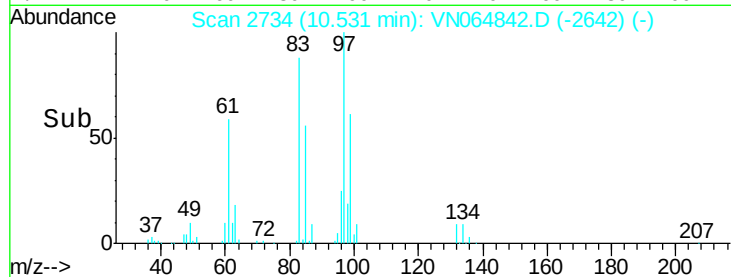
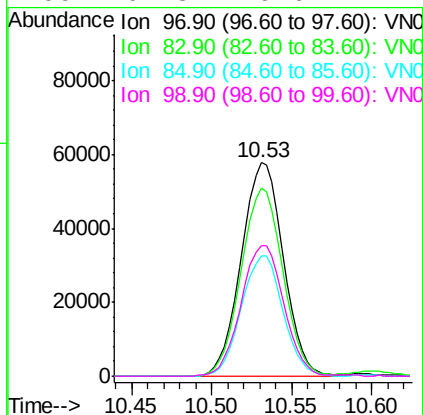
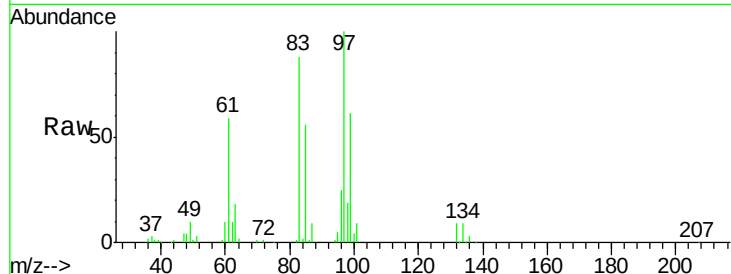
#55
 1,1,2-Trichloroethane
 Concen: 49.010 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.1	108.1
85	56.3	46.8	70.2
99	61.3	49.6	74.4

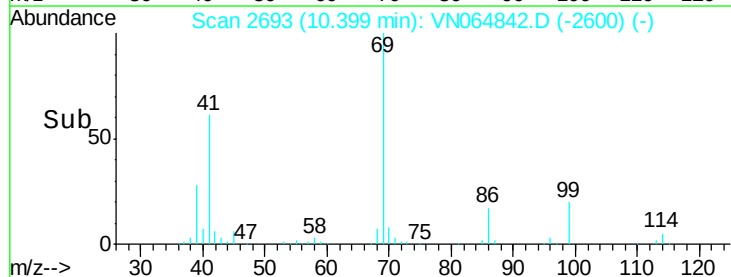
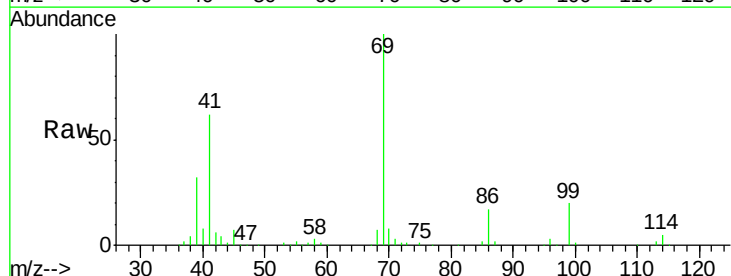
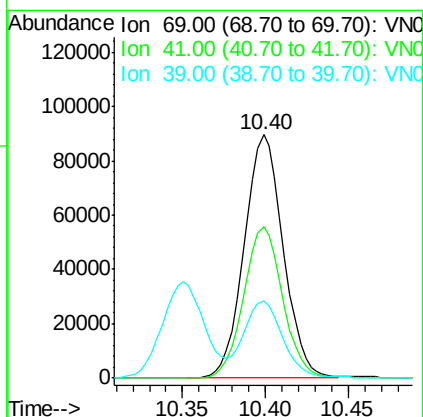
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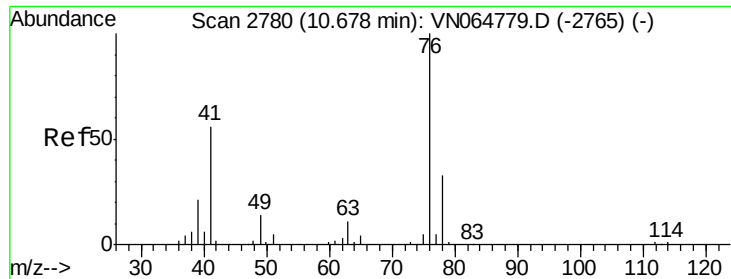
MMDadoda
 11/25/2020 9:51:46 AM



#56
 Ethyl methacrylate
 Concen: 49.832 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.4	74.0
39	31.8	25.9	38.9





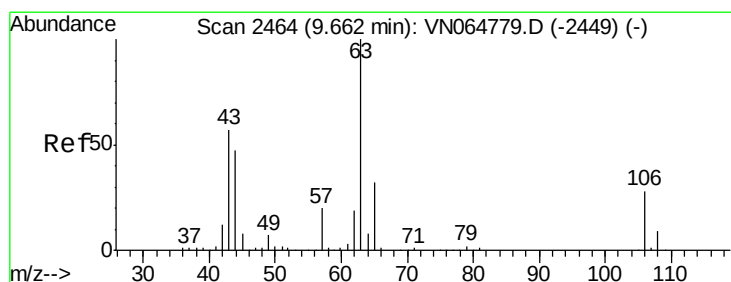
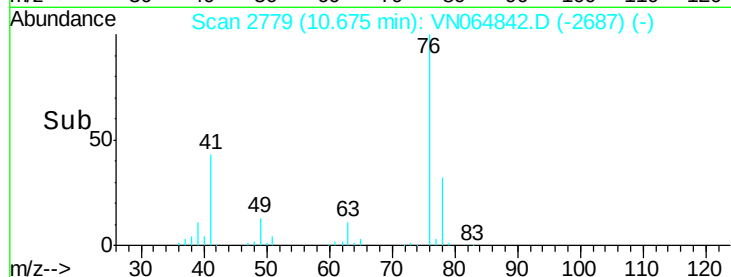
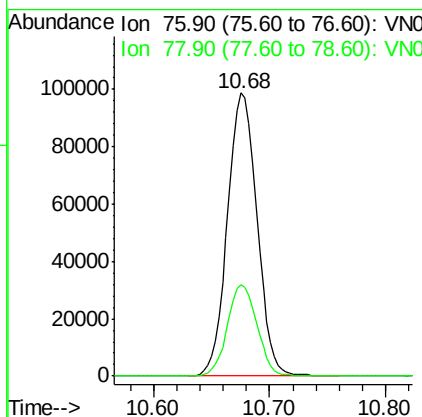
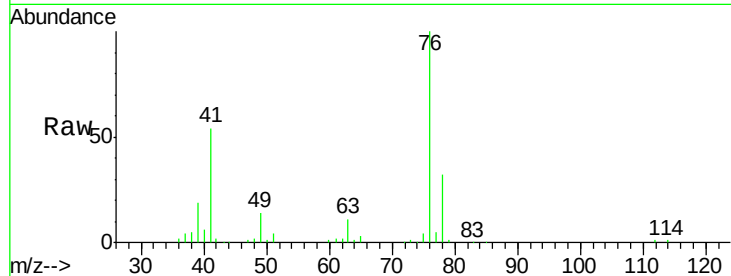
#57
 1,3-Dichloropropane
 Concen: 49.847 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion: 76 Resp: 174740
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

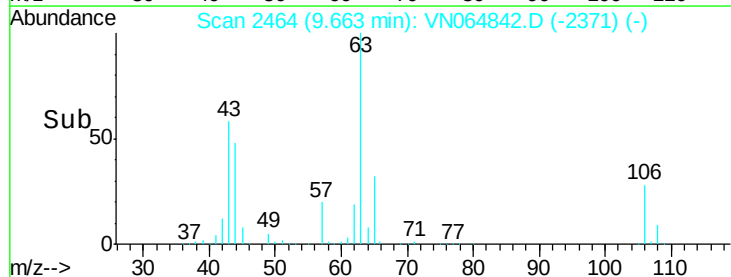
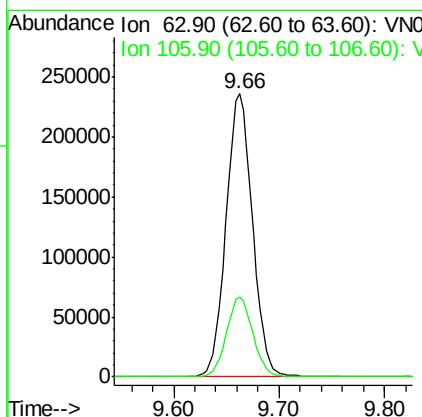
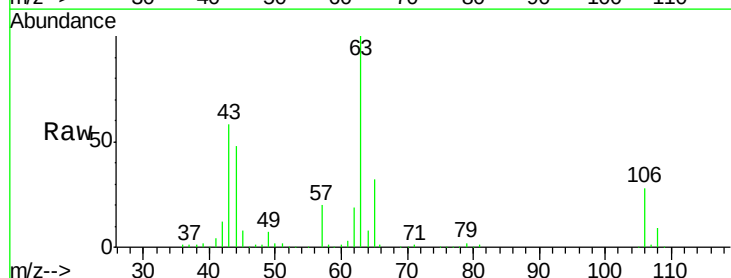
Manual Integrations
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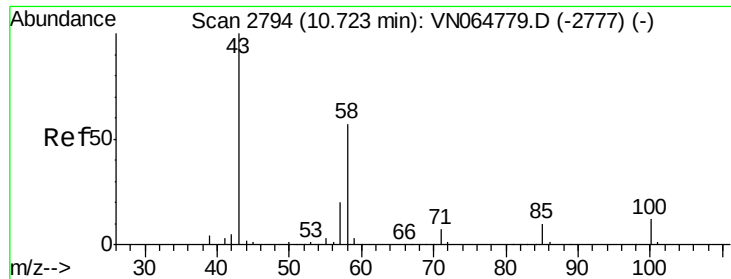
MMDadoda
 11/25/2020 9:51:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.201 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 63 Resp: 408447
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





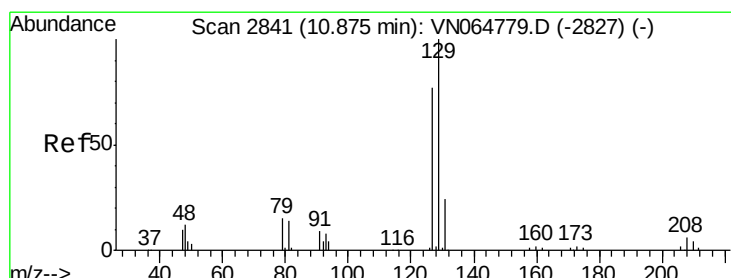
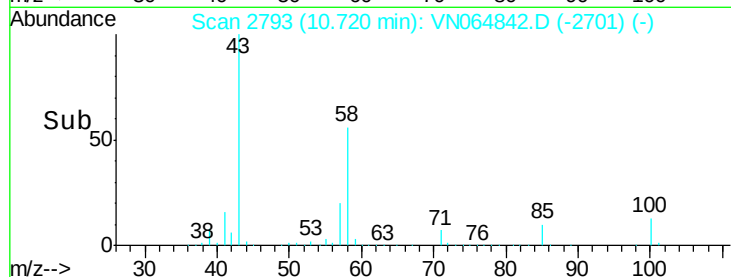
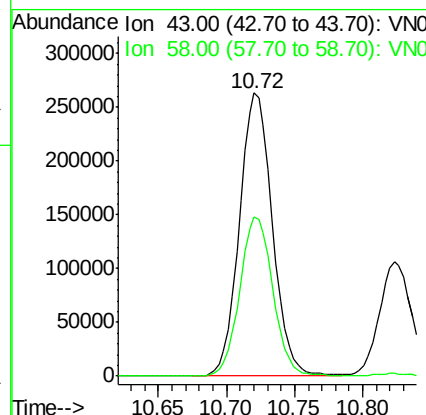
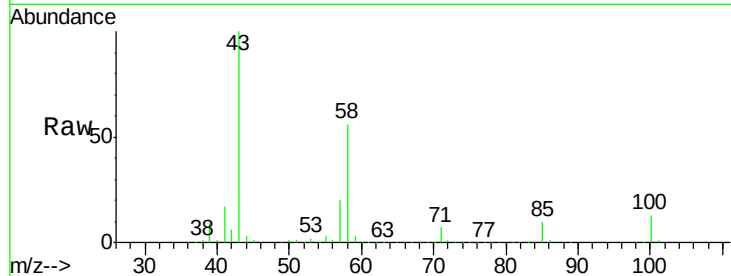
#59
2-Hexanone
Concen: 240.471 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	56.8		28.3	84.9	

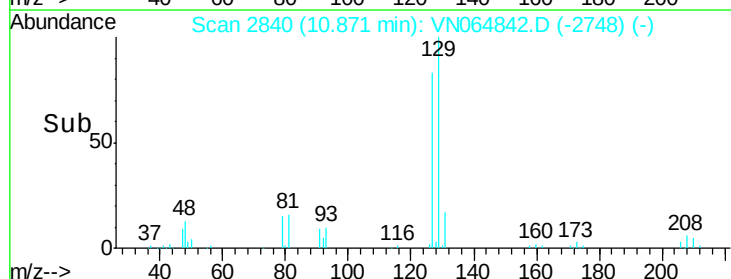
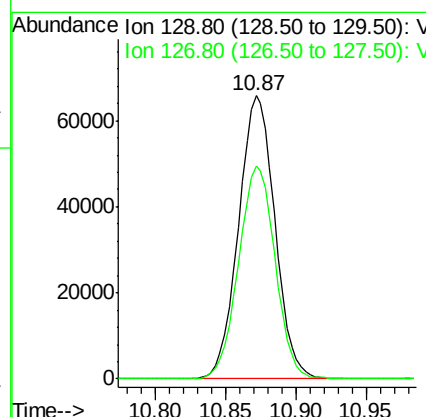
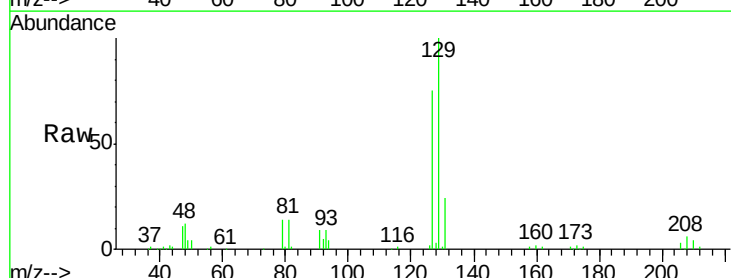
Manual Integrations
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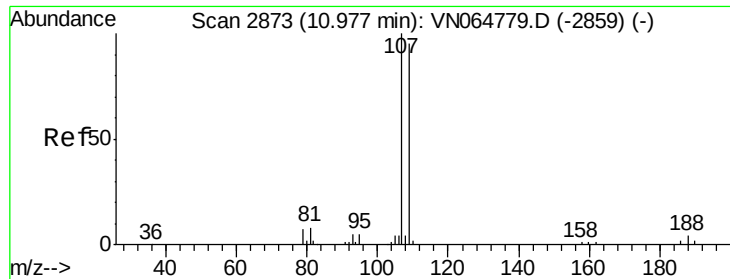
MMDadoda
11/25/2020 9:51:46 AM



#60
Dibromochloromethane
Concen: 50.259 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	75.6		39.1	117.2	





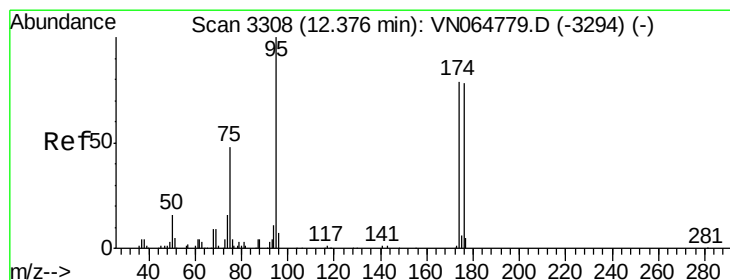
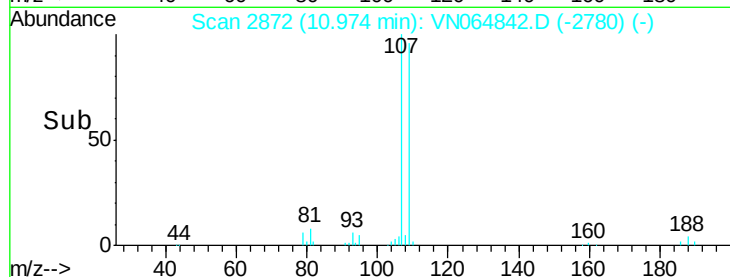
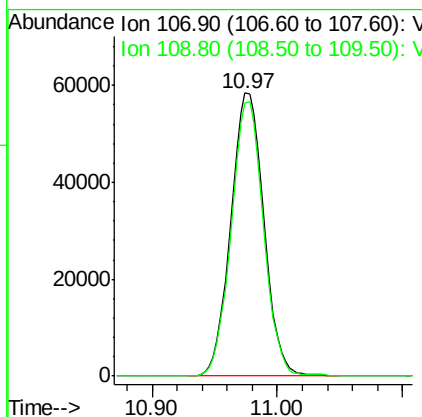
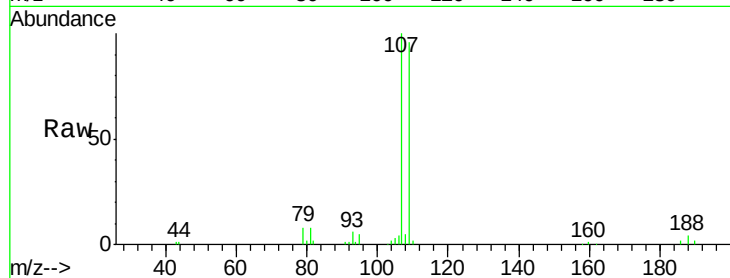
#61
 1,2-Dibromoethane
 Concen: 49.542 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.0	114.0

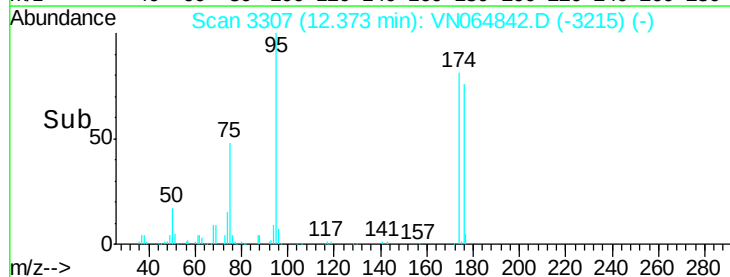
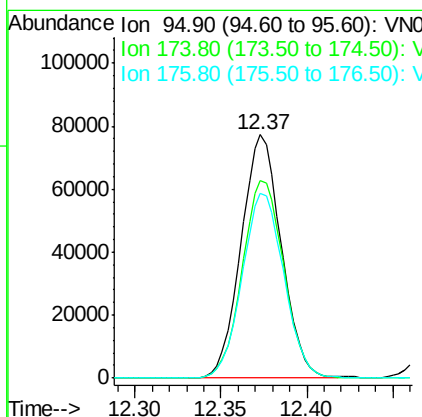
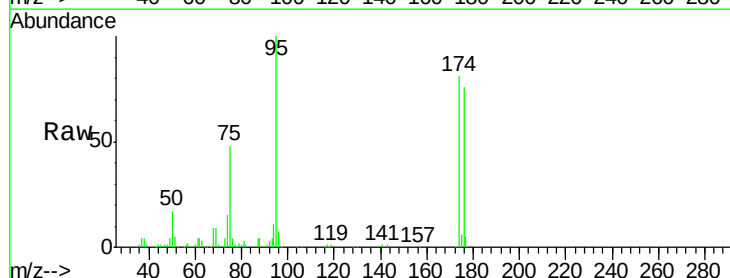
Manual Integrations
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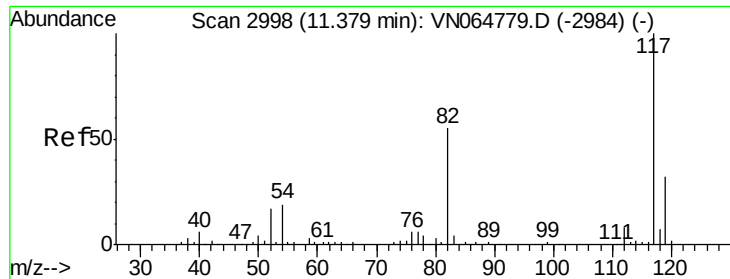
MMDadoda
 11/25/2020 9:51:46 AM



#62
 4-Bromofluorobenzene
 Concen: 48.611 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	160.4
176	78.9	0.0	158.4





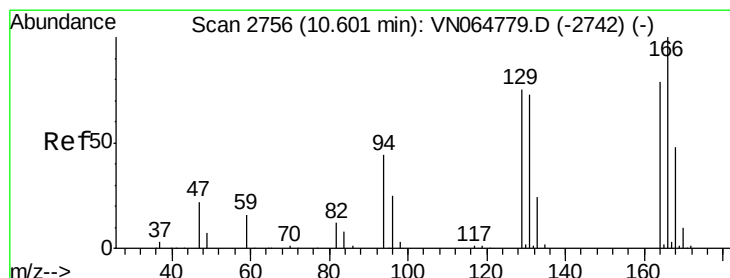
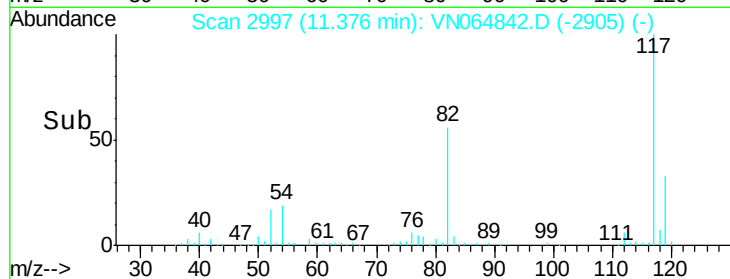
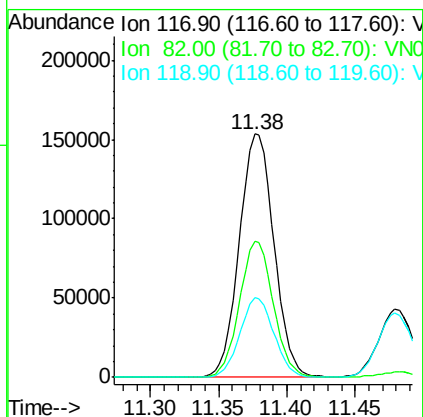
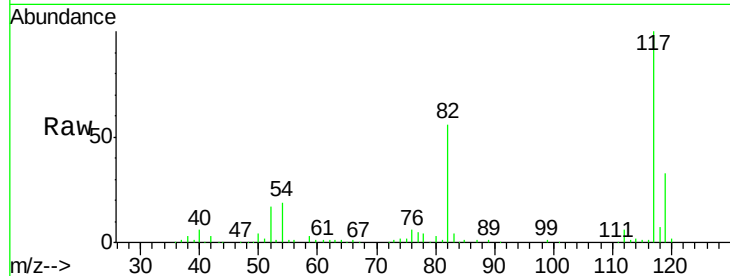
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.2	66.2
119	32.6	25.8	38.6

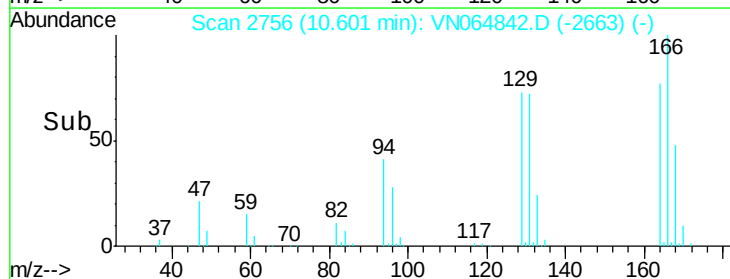
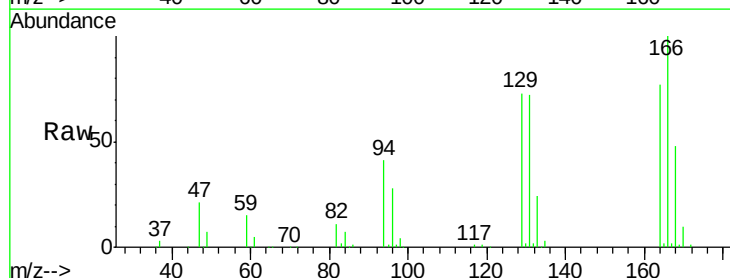
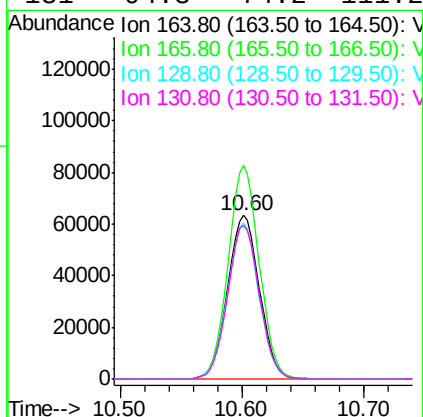
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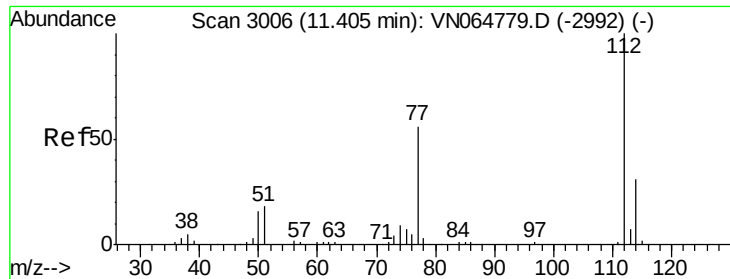
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#64
Tetrachloroethene
Concen: 43.658 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.4	152.0
129	95.2	76.1	114.1
131	94.3	74.2	111.2





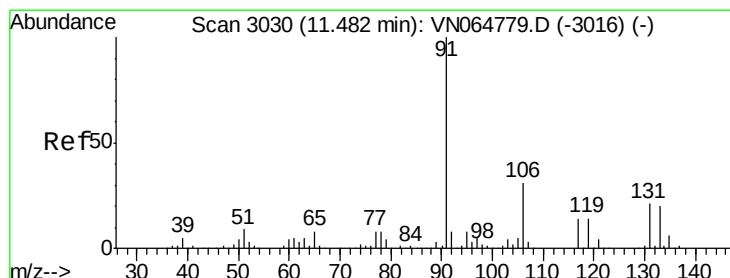
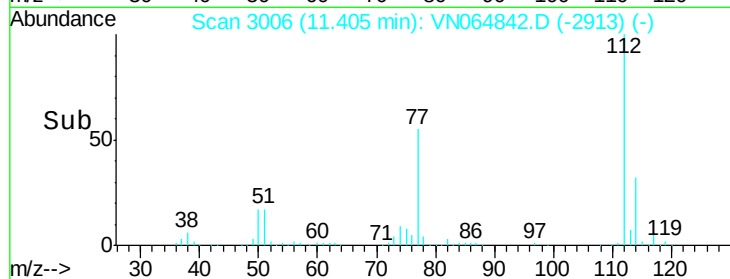
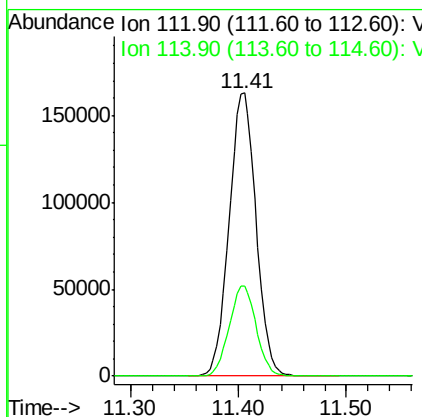
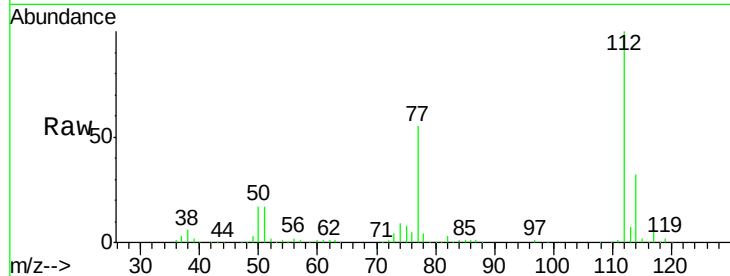
#65
Chlorobenzene
Concen: 48.792 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion:112 Resp: 284130
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

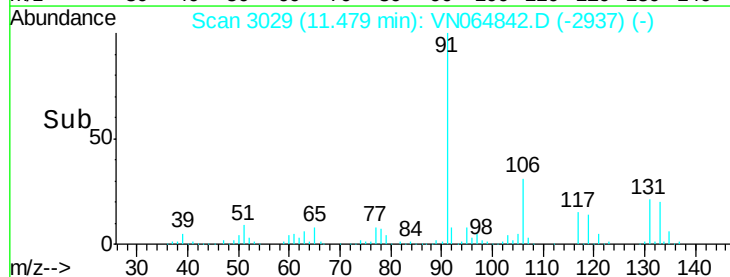
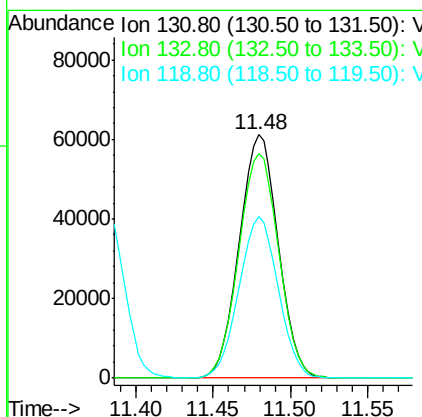
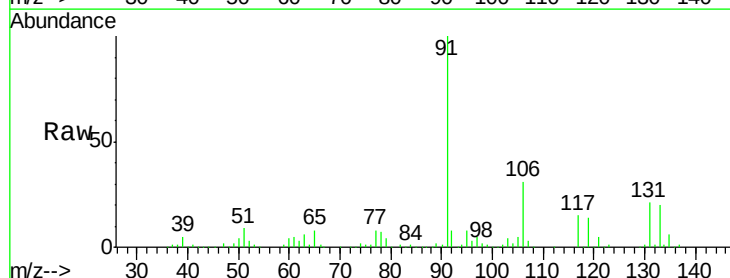
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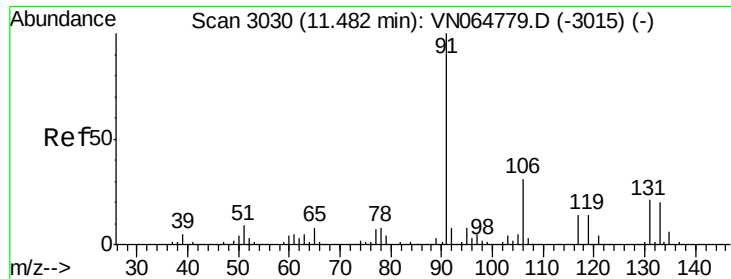
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.151 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion:131 Resp: 107326
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 66.9 33.3 99.8





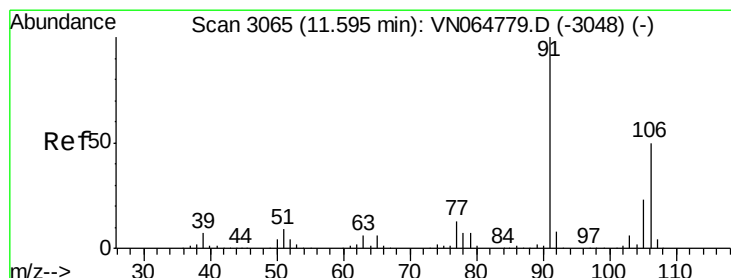
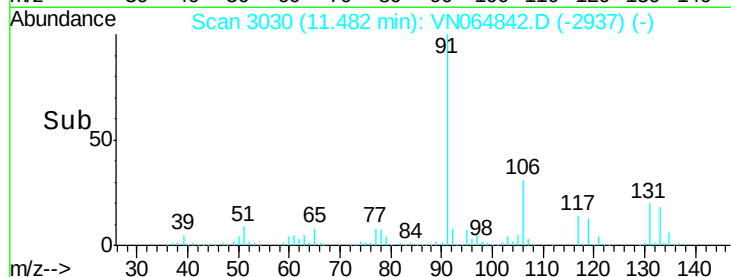
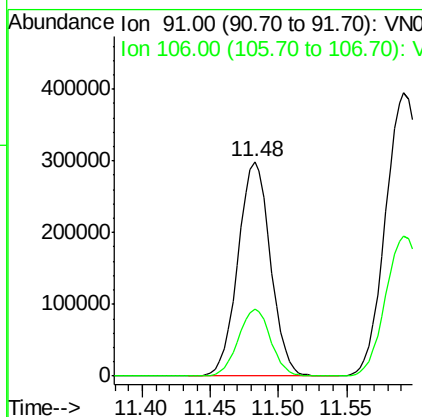
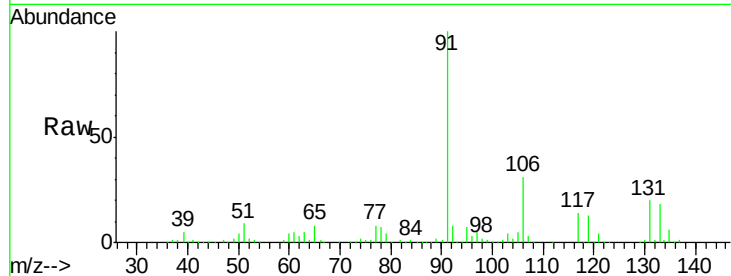
#67
Ethyl Benzene
Concen: 50.781 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion: 91 Resp: 493999
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

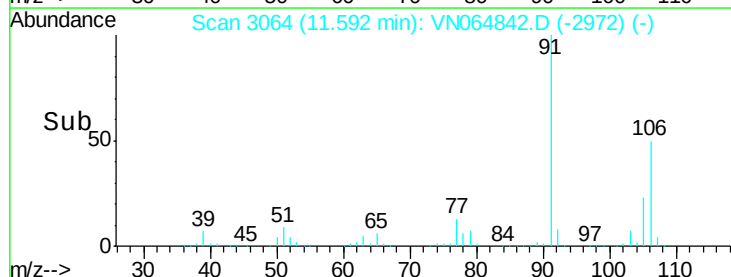
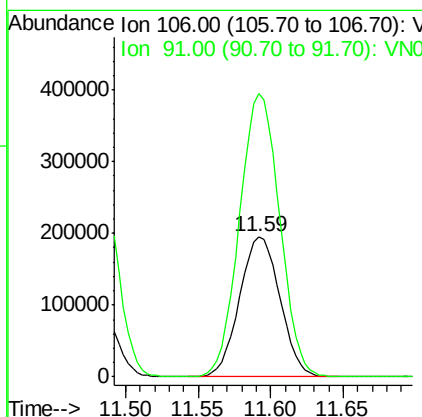
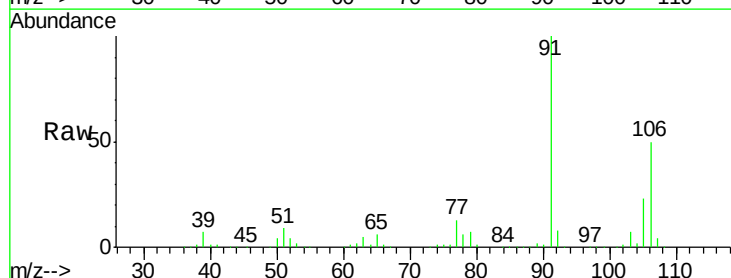
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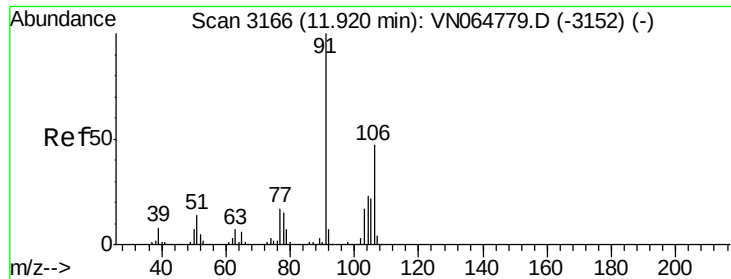
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#68
m/p-Xylenes
Concen: 102.877 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 106 Resp: 378910
Ion Ratio Lower Upper
106 100
91 200.9 161.0 241.4





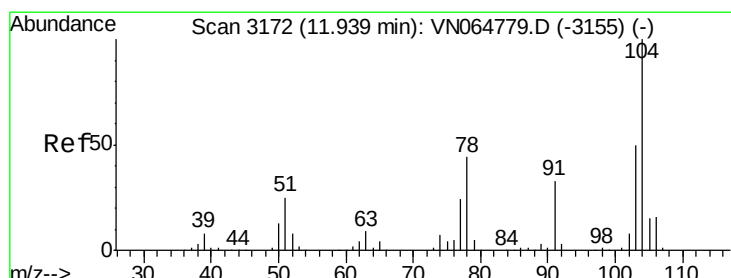
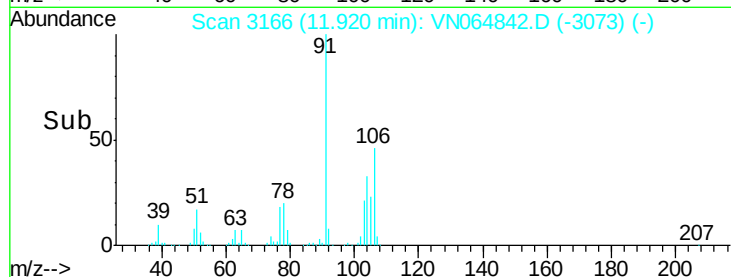
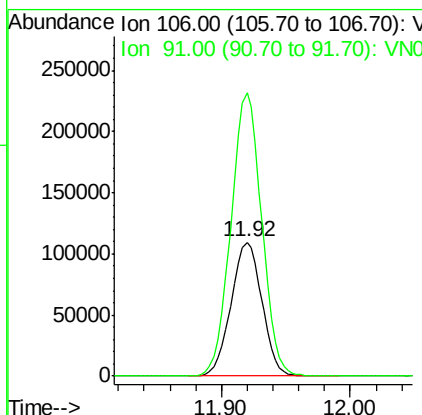
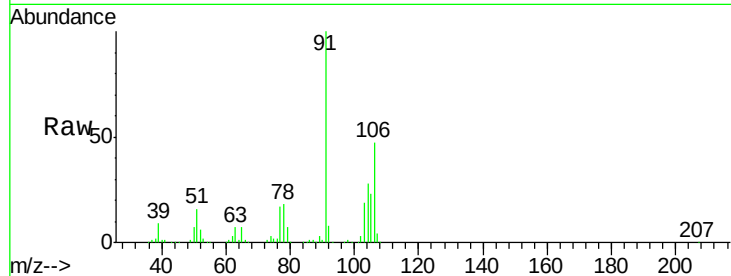
#69
o-Xylene
Concen: 52.090 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		182061		
91	210.2	105.5	316.5		

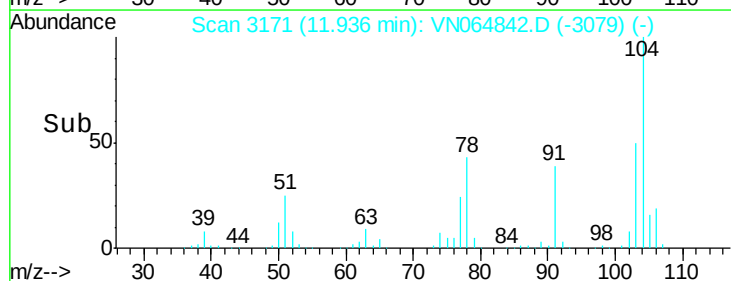
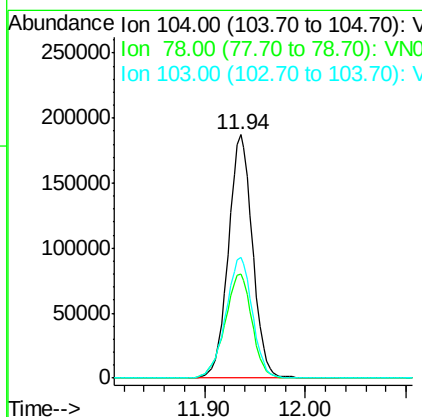
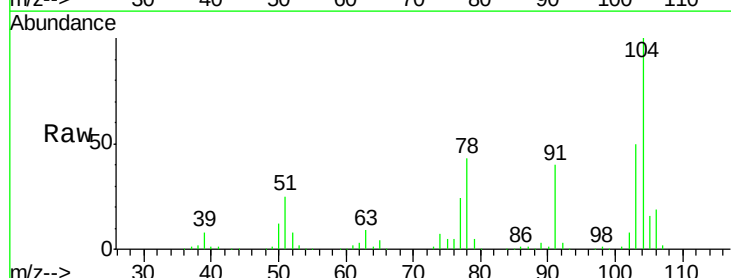
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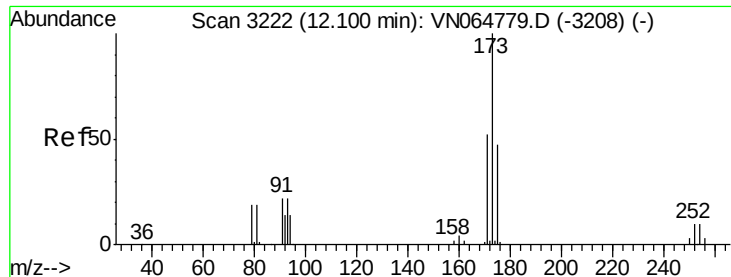
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#70
Styrene
Concen: 53.073 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		313148		
78	47.9	39.0	58.6		
103	54.5	44.3	66.5		





#71

Bromoform

Concen: 48.666 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

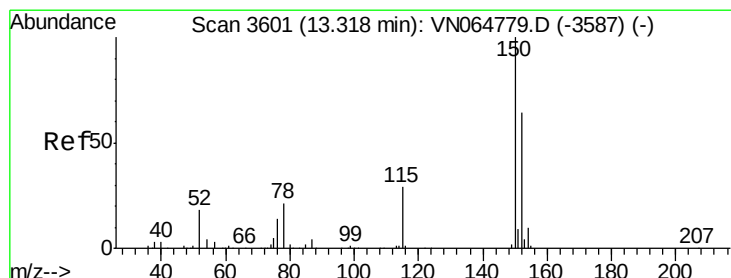
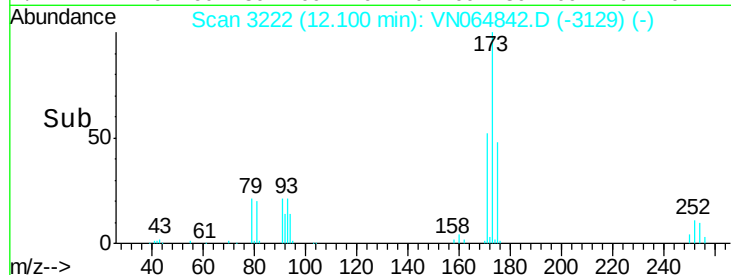
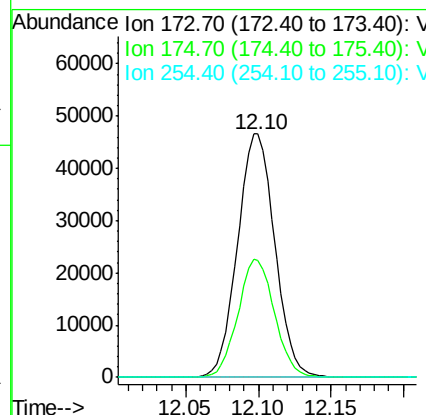
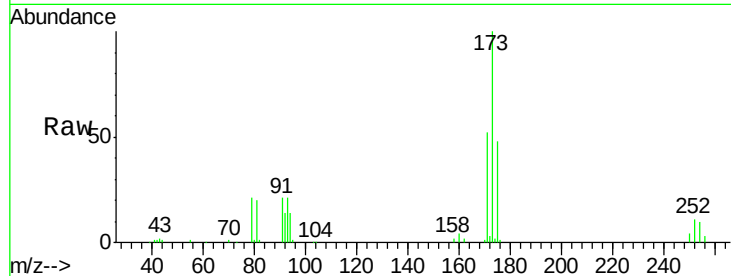
ClientSampleId :

56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

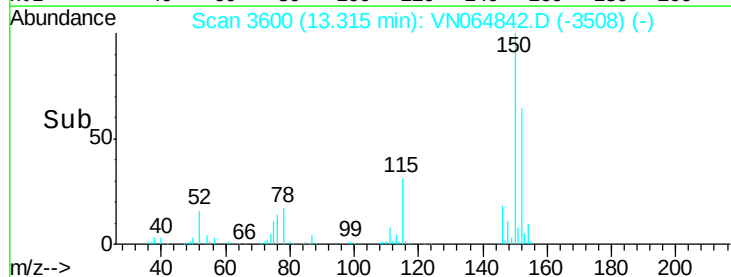
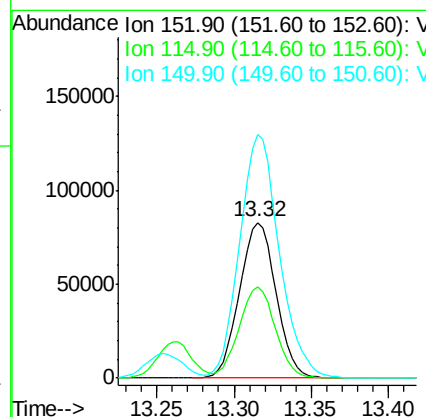
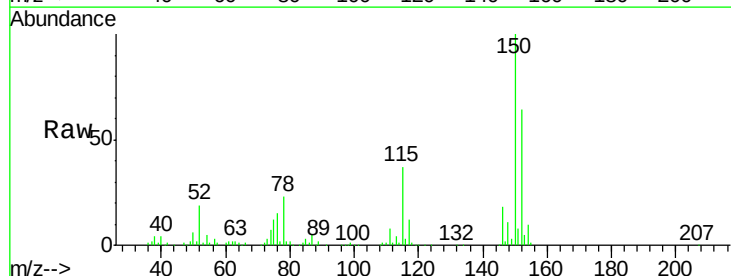
RT: 13.32 min Scan# 3600

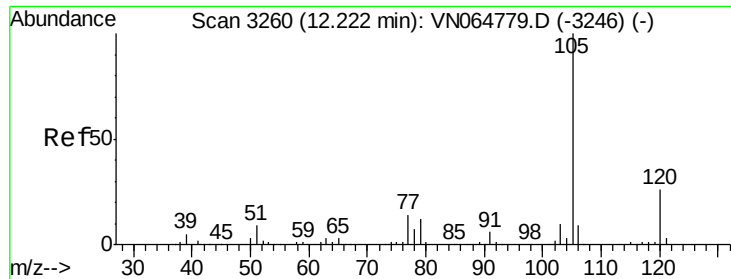
Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.7	89.1
150	170.8	0.0	350.6





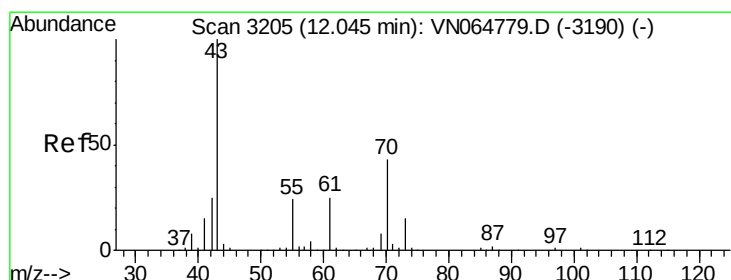
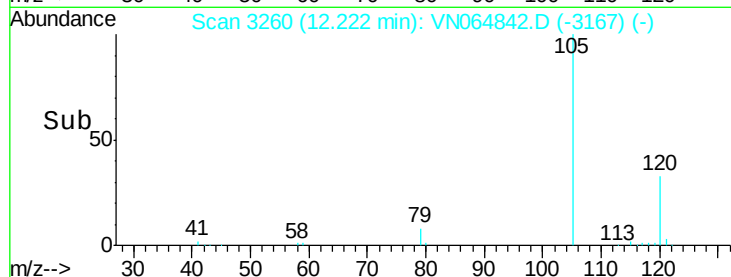
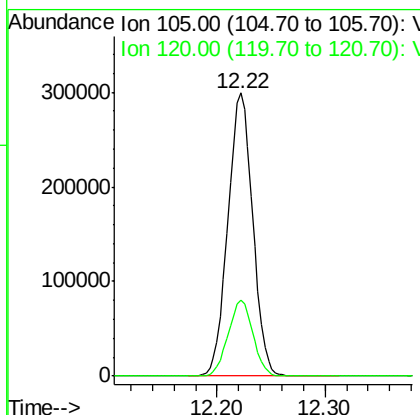
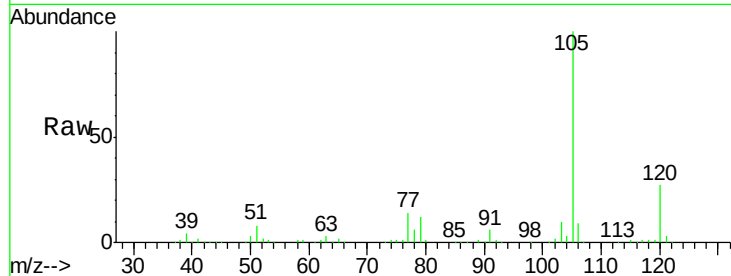
#73
Isopropylbenzene
Concen: 50.958 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion: 105 Resp: 481179
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

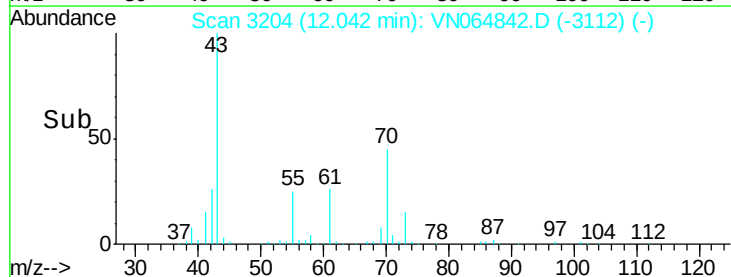
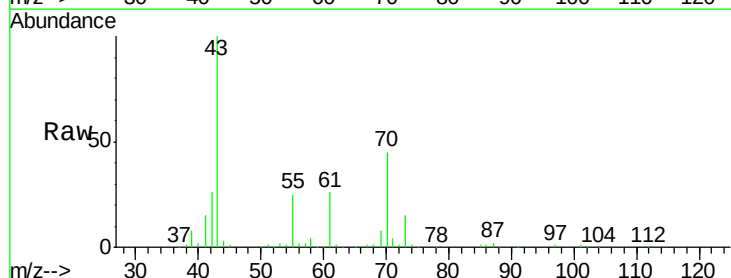
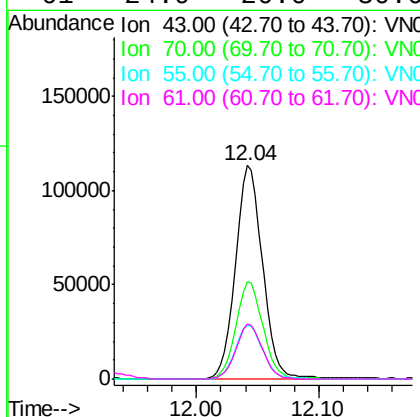
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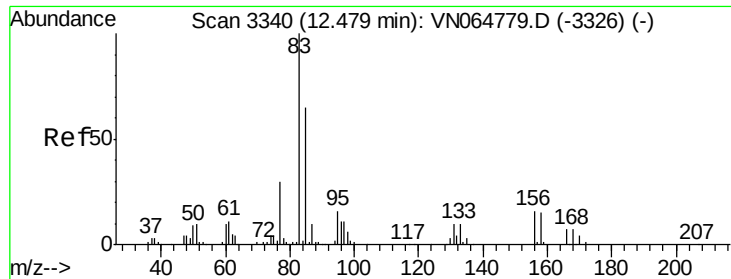
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#74
N-ethyl acetate
Concen: 46.983 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 43 Resp: 174589
Ion Ratio Lower Upper
43 100
70 45.7 34.5 51.7
55 26.1 20.4 30.6
61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.184 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

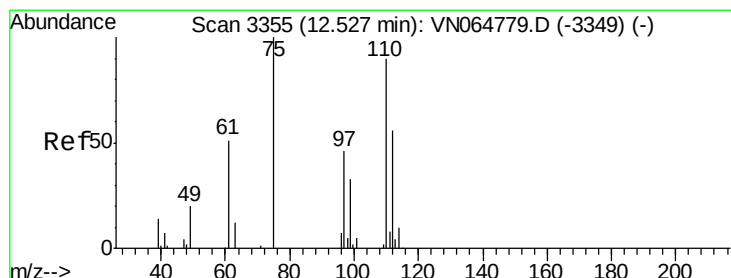
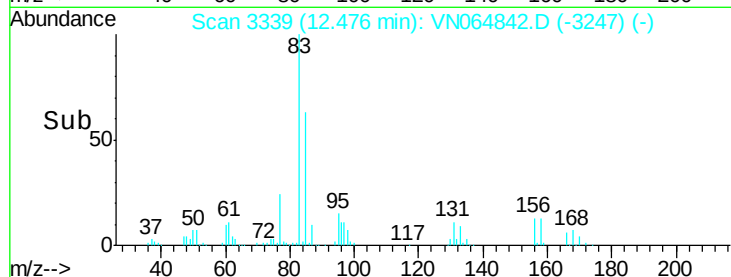
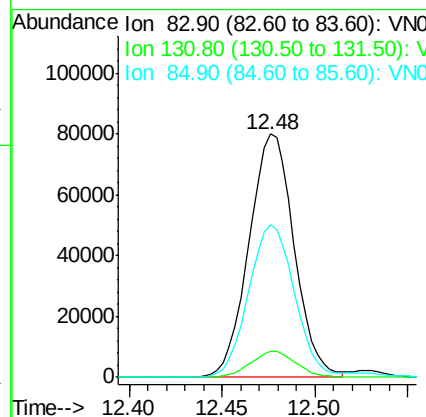
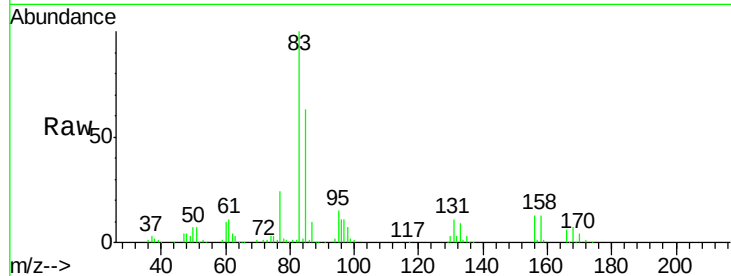
ClientSampleId :

56BR-20201118MSD

Tot Ion:	83	Resp:	136124
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	63.8	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 44.470 ug/l m

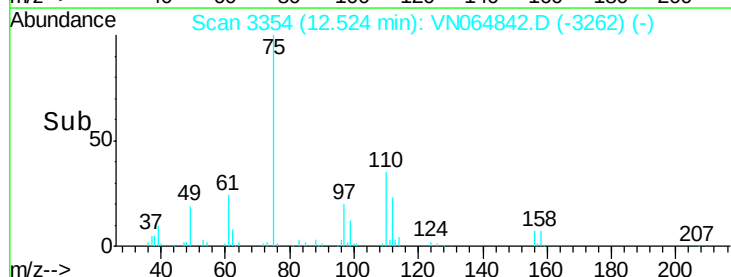
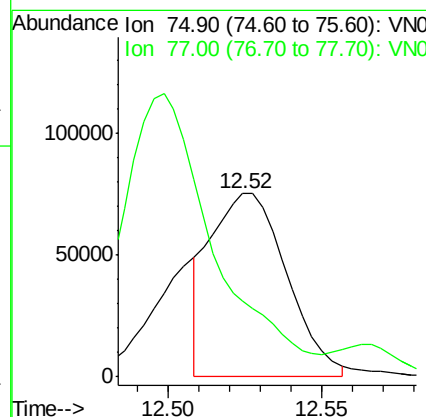
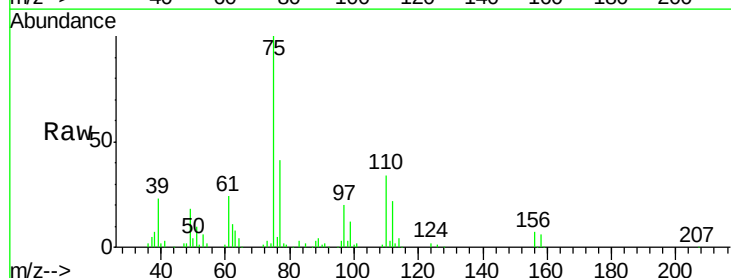
RT: 12.52 min Scan# 3354

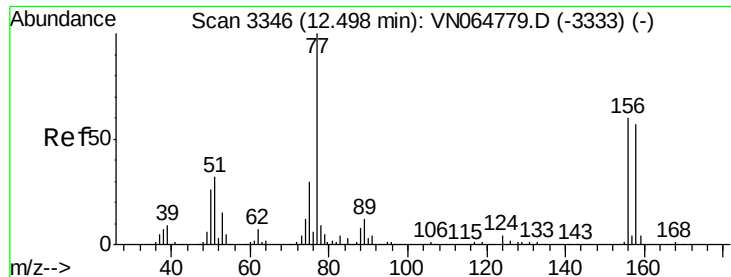
Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:	75	Resp:	130011
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.233 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

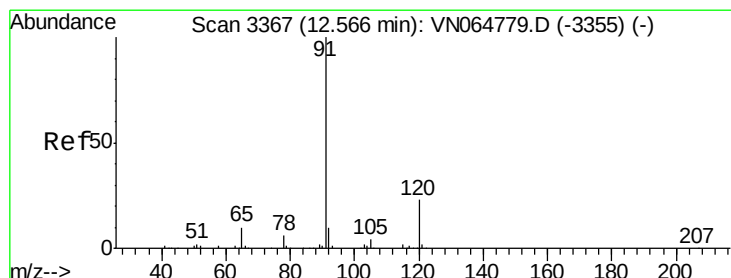
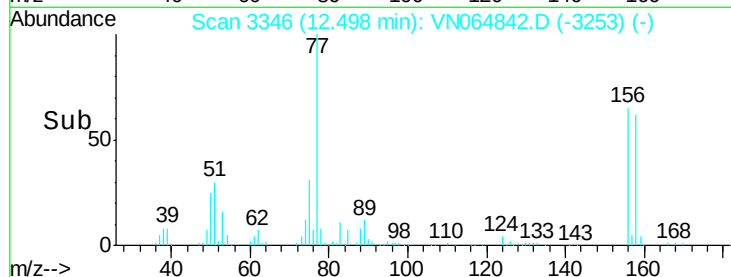
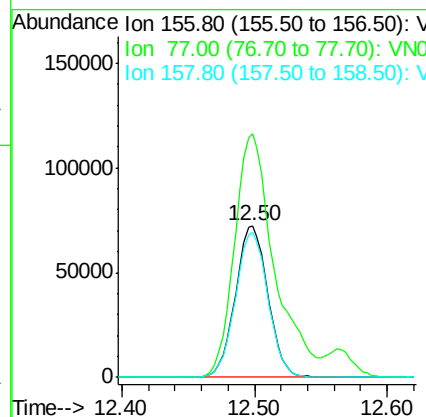
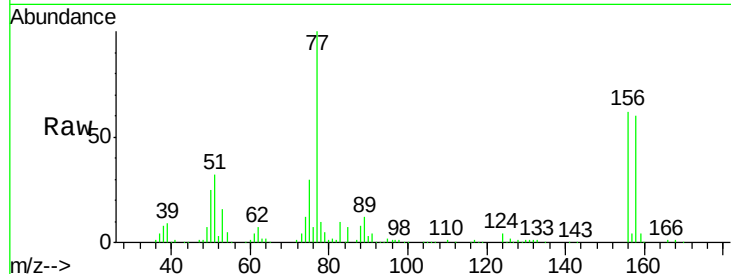
ClientSampleId :

56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.2	101.3	303.7
158	96.0	48.2	144.6

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#78

n-propylbenzene

Concen: 50.257 ug/l

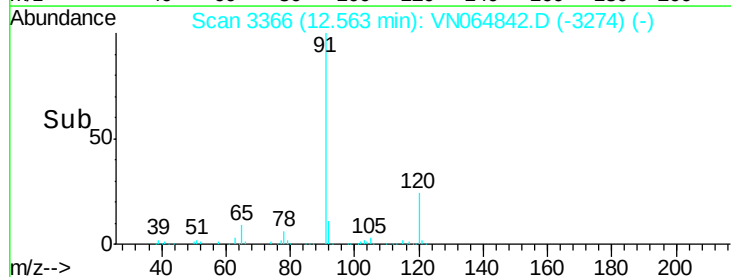
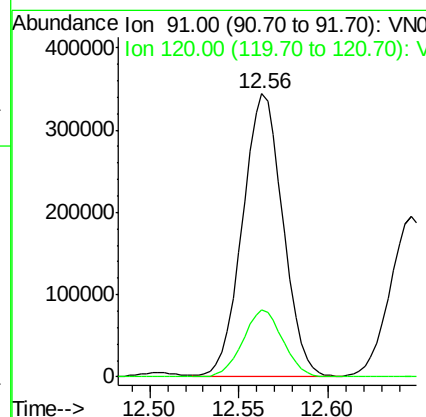
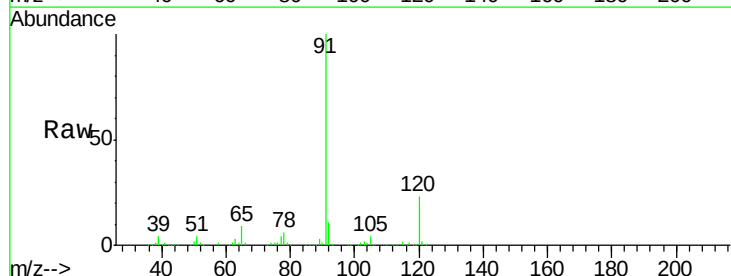
RT: 12.56 min Scan# 3366

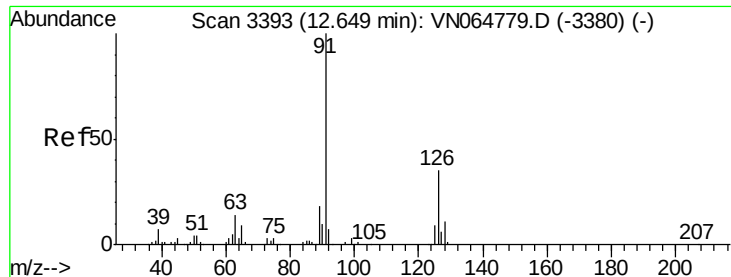
Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.7





#79

2-Chlorotoluene

Concen: 48.334 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 91 Resp: 321392

Ion Ratio Lower Upper

91 100

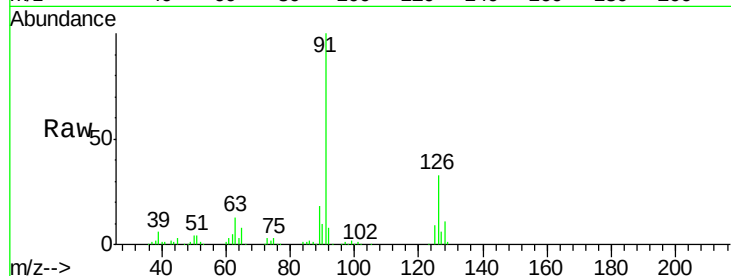
126 35.0 17.2 51.6

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) (-)

250000

200000

150000

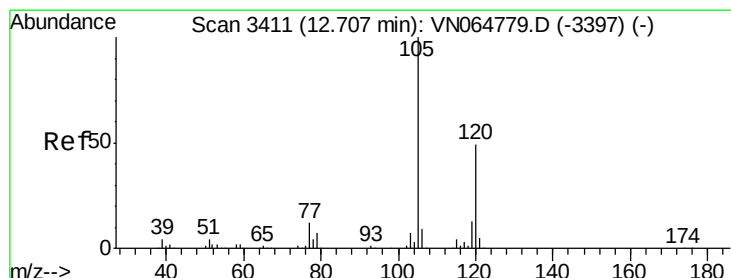
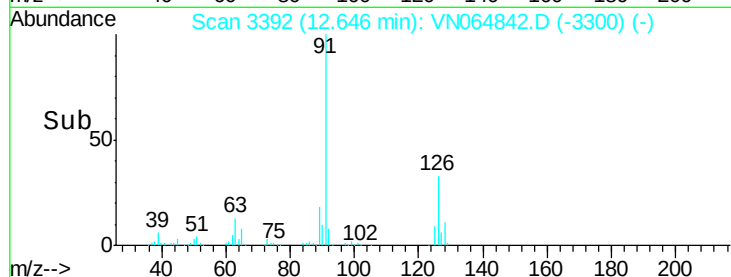
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.752 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064842.D

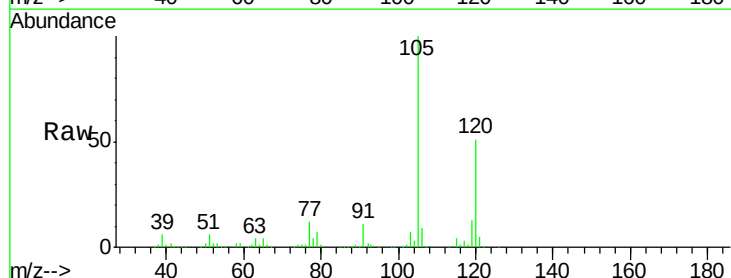
Acq: 25 Nov 2020 4:43

Tgt Ion: 105 Resp: 406188

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.6



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

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

300000

250000

200000

150000

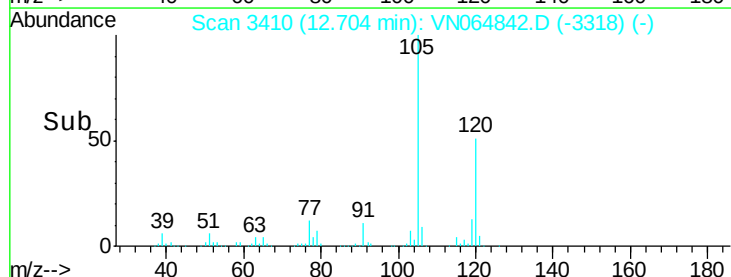
100000

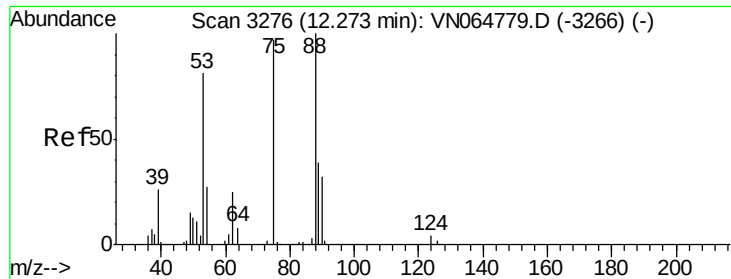
50000

0

12.60 12.70 12.80

Time-->





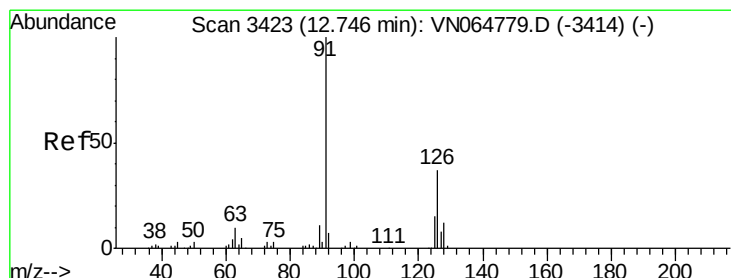
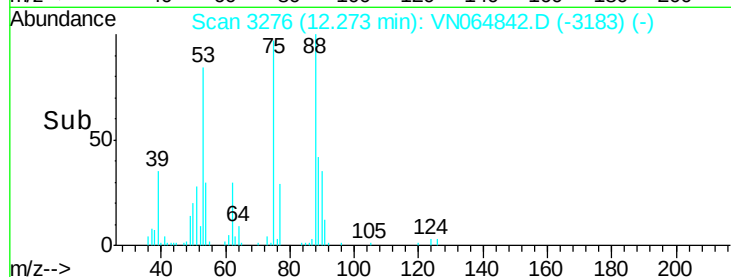
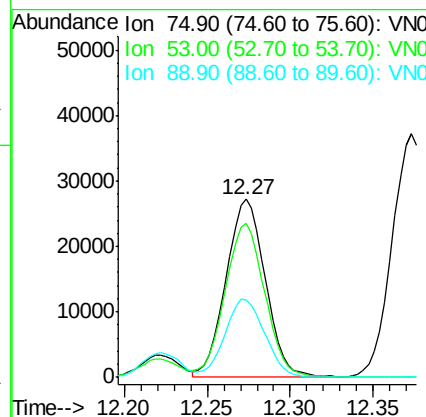
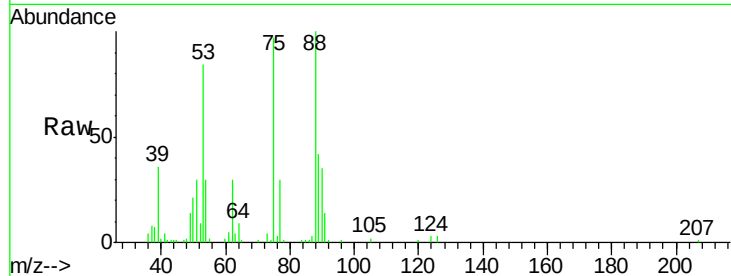
#81
trans-1,4-Dichloro-2-butene
Concen: 42.155 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.4	67.0	100.4
89	44.3	39.6	59.4

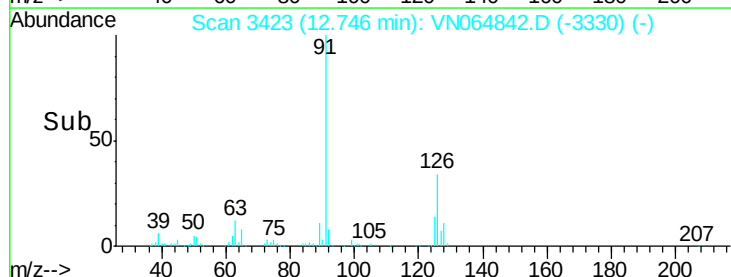
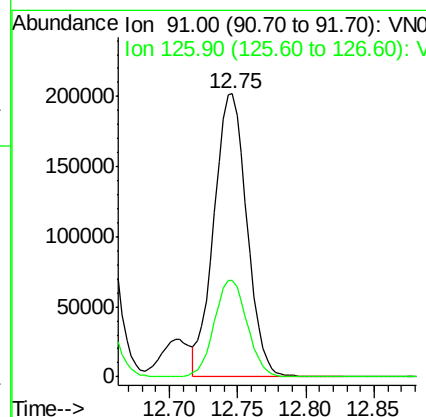
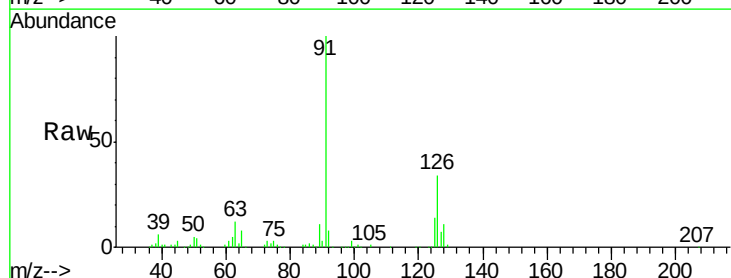
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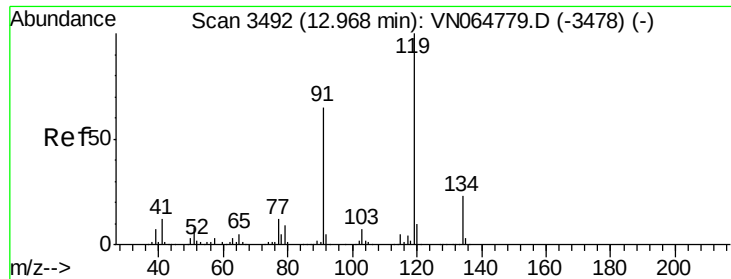
MMDadoda
11/25/2020 9:51:46 AM



#82
4-Chlorotoluene
Concen: 48.408 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.7





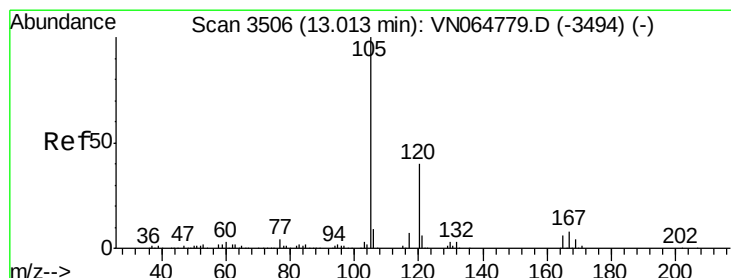
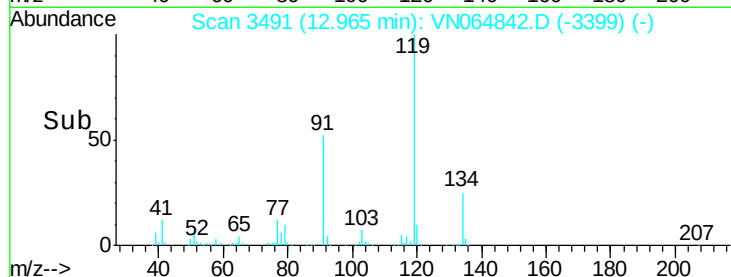
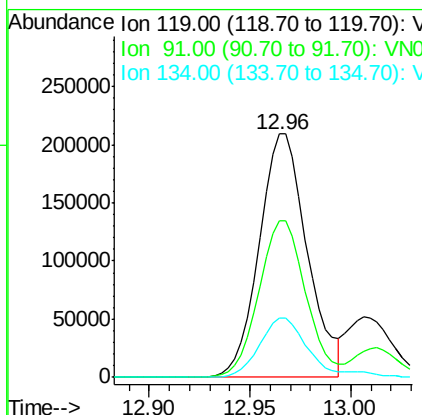
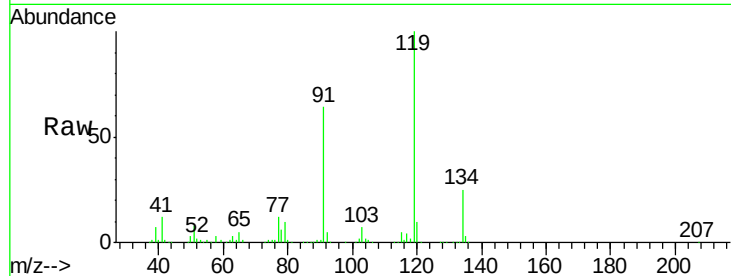
#83
 tert-Butylbenzene
 Concen: 52.740 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346965		
91	62.7		32.3	96.8
134	23.7		12.6	37.6

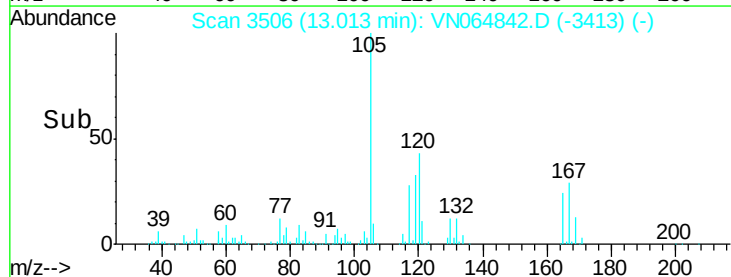
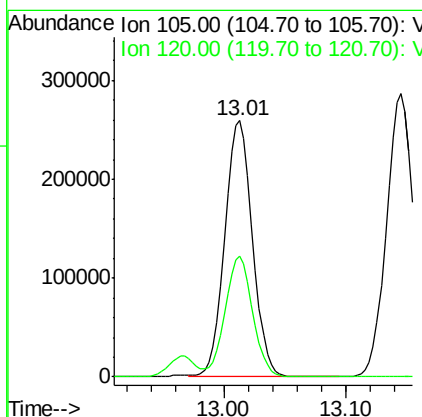
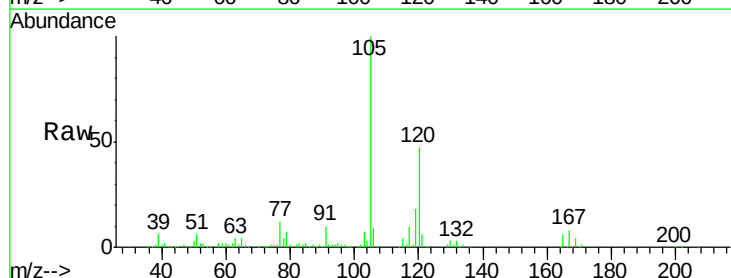
Manual Integrations
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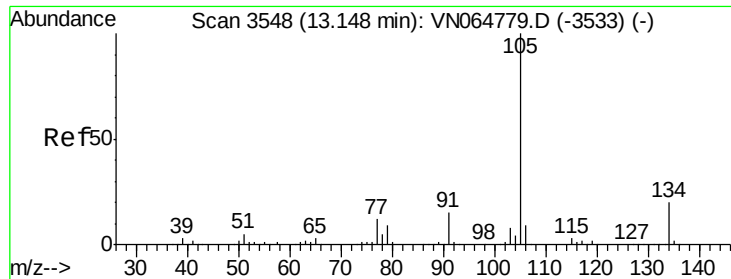
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.845 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	411423		
120	46.9		23.1	69.2





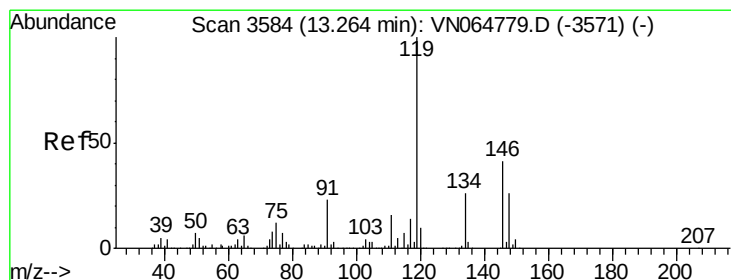
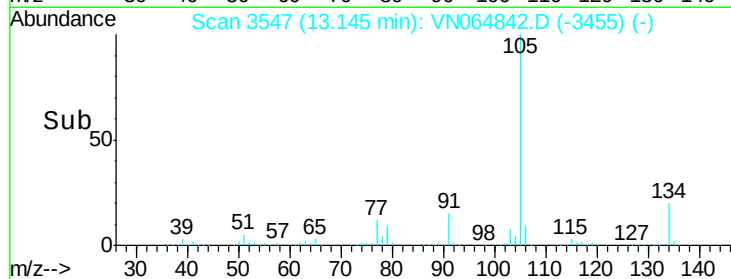
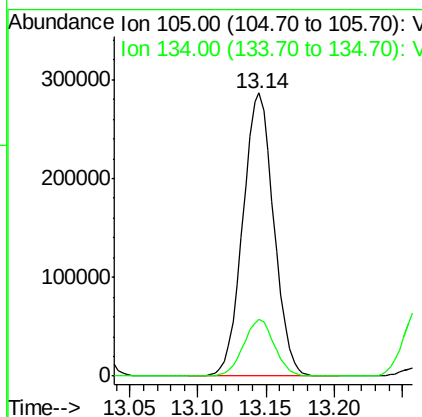
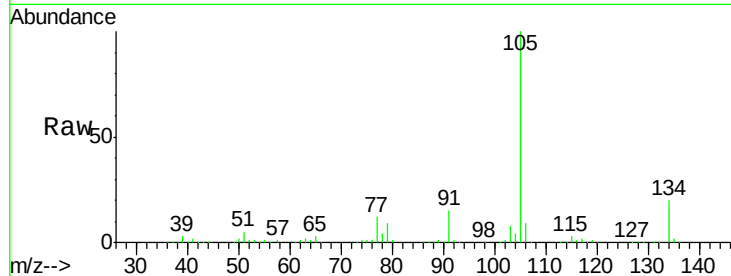
#85
 sec-Butylbenzene
 Concen: 51.374 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion:105 Resp: 448742
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.1

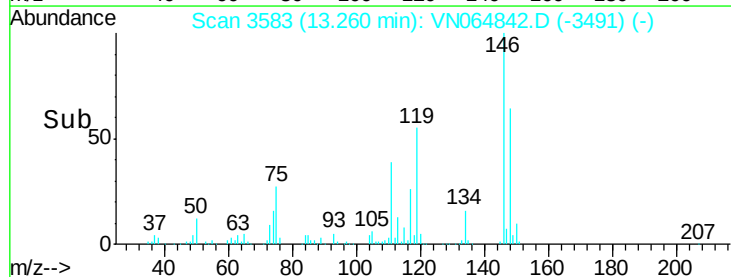
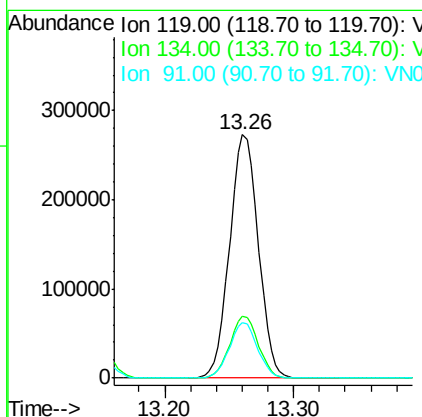
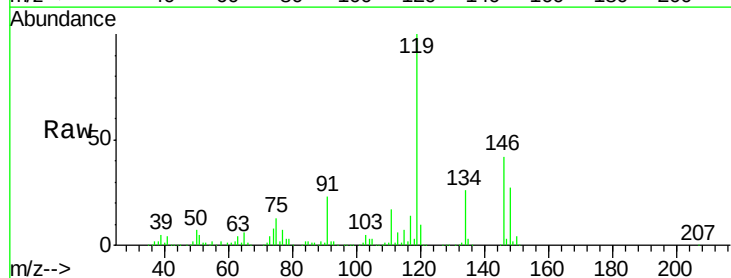
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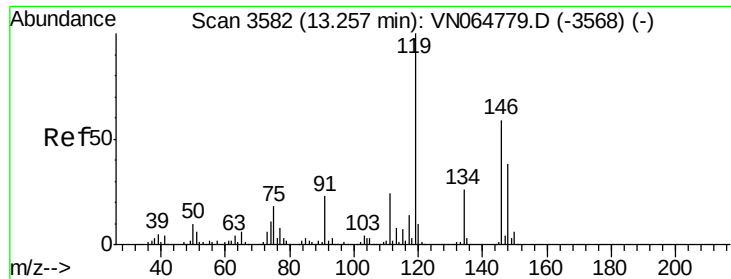
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#86
 p-Isopropyltoluene
 Concen: 52.986 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion:119 Resp: 421365
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.1 39.1
 91 22.2 11.5 34.5





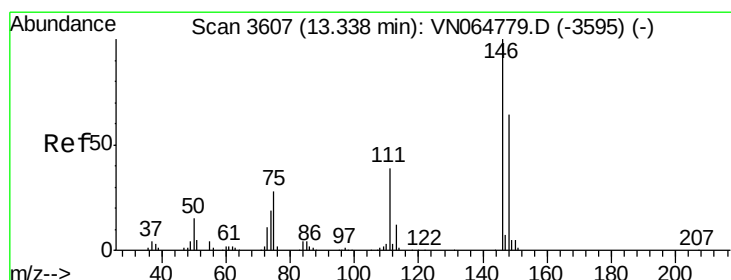
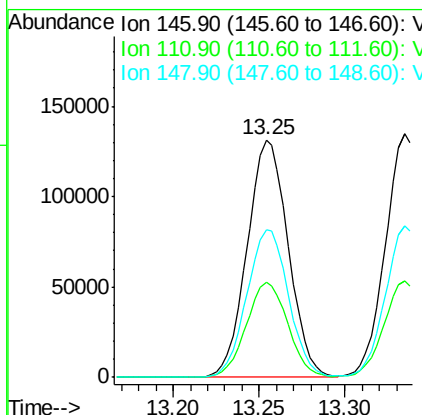
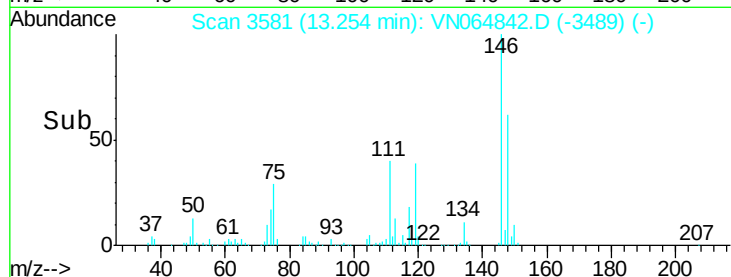
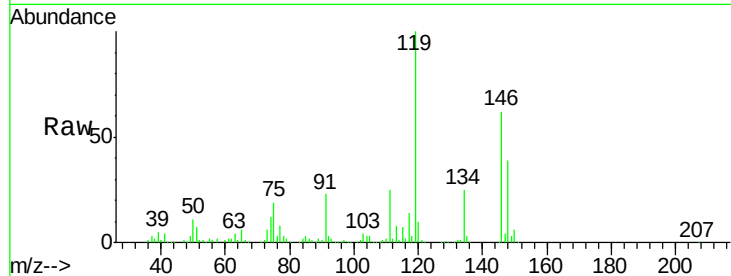
#87
 1,3-Dichlorobenzene
 Concen: 48.057 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	63.1	31.9	95.5

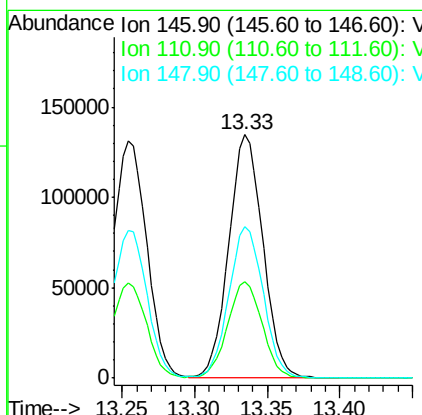
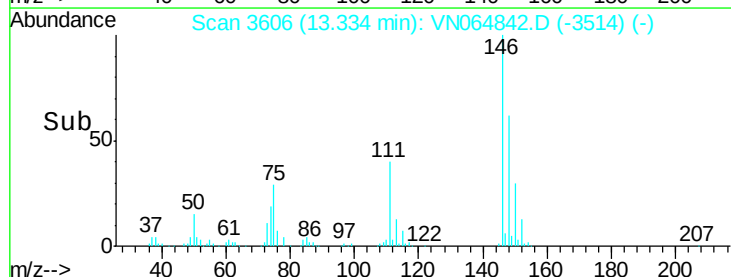
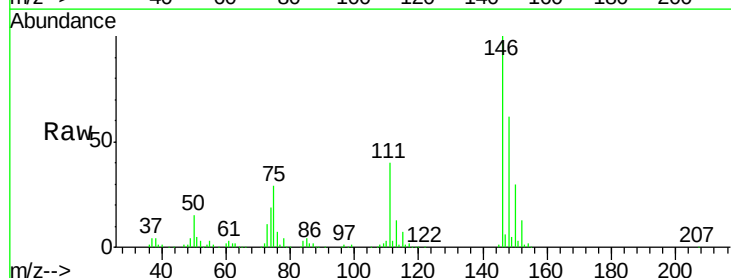
Manual Integrations
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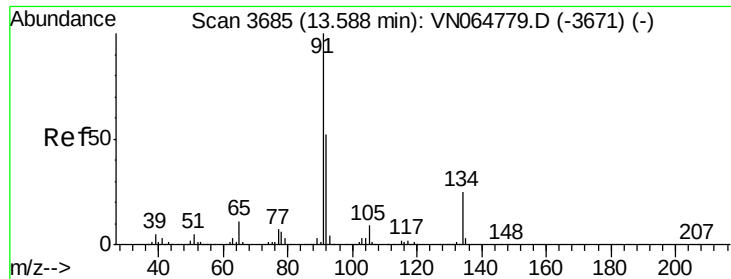
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#88
 1,4-Dichlorobenzene
 Concen: 45.803 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	63.1	31.9	95.5





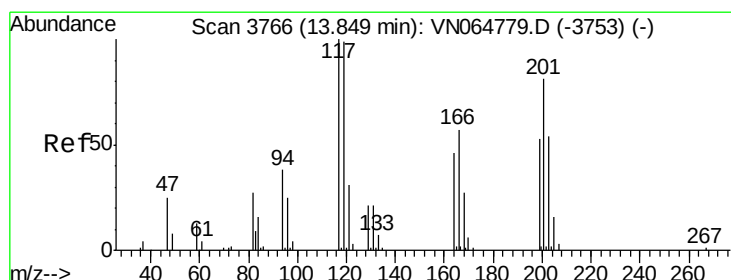
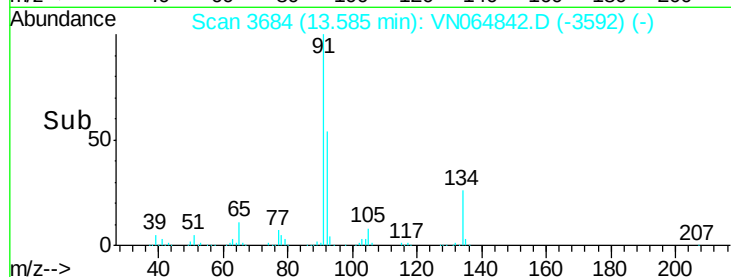
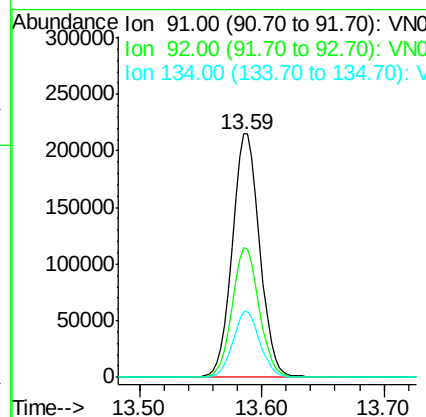
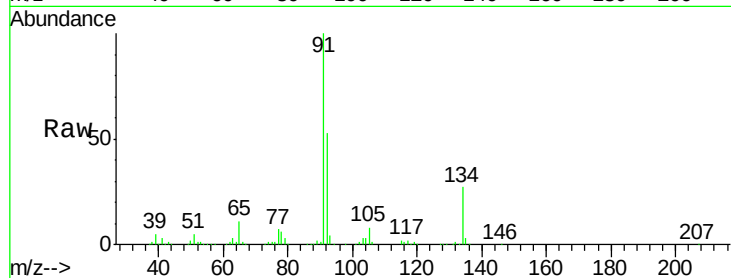
#89
n-Butylbenzene
Concen: 48.502 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	26.0	78.0	
134	26.6	12.9	38.6	

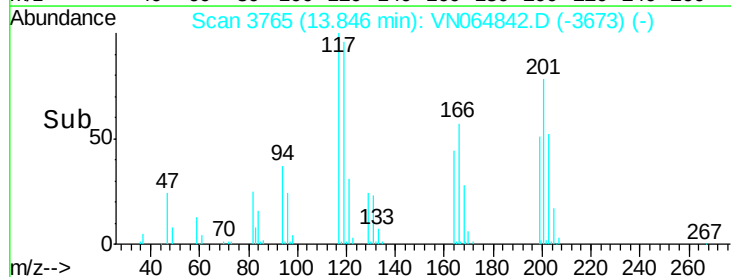
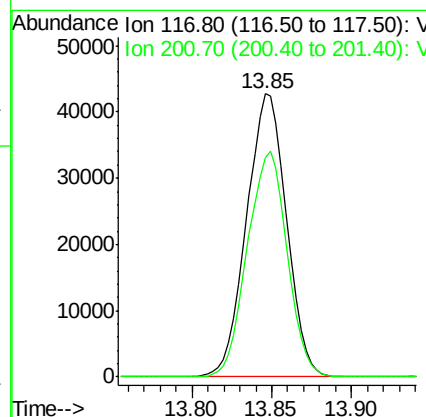
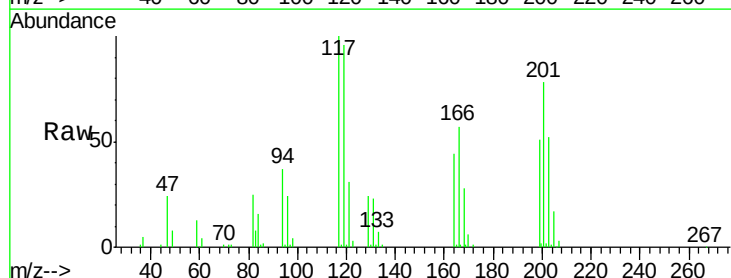
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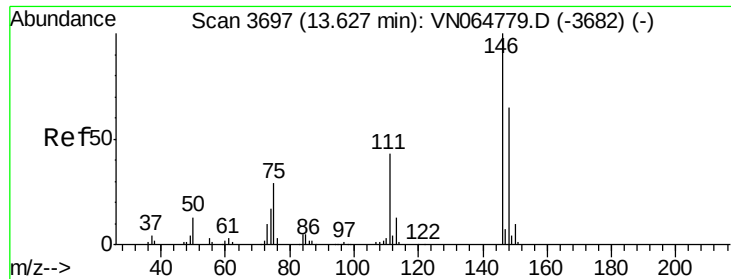
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#90
Hexachloroethane
Concen: 52.979 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.9	40.1	120.3	





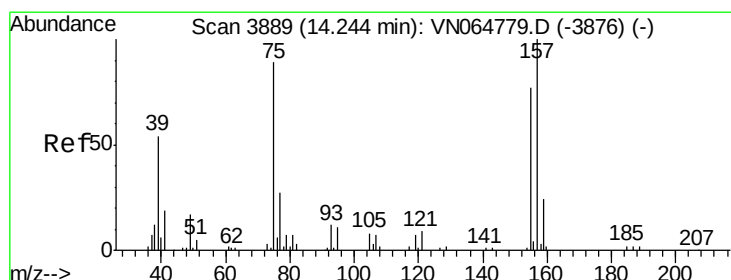
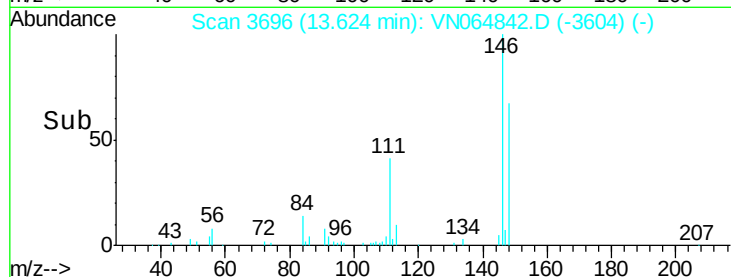
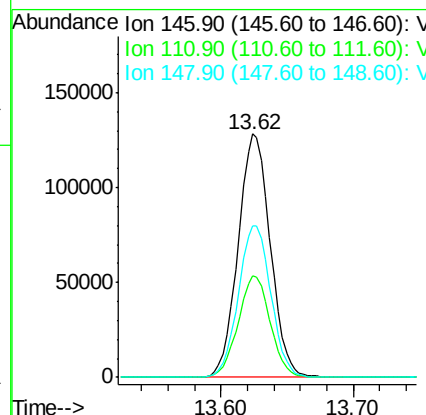
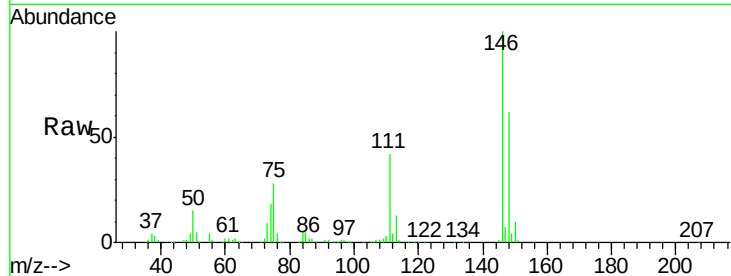
#91
 1,2-Dichlorobenzene
 Concen: 48.599 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.1
148	63.0	32.0	96.2

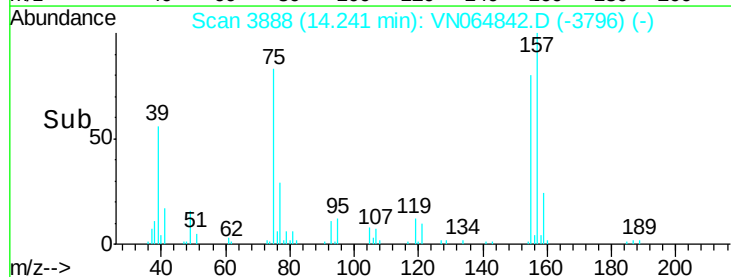
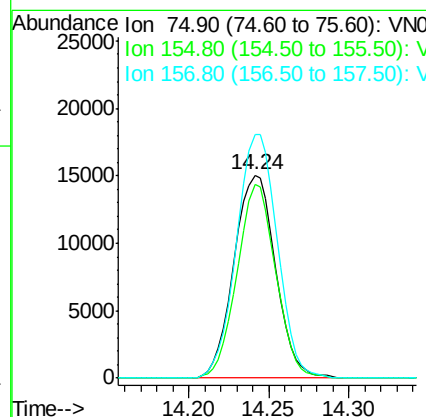
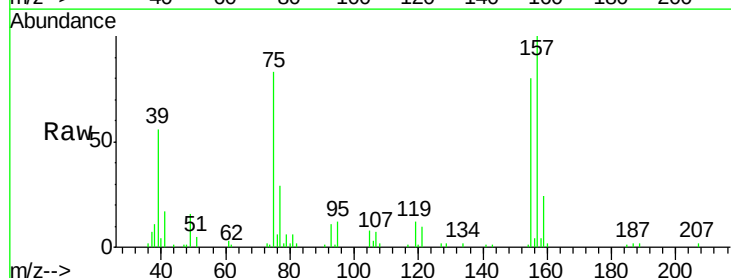
Manual Integrations
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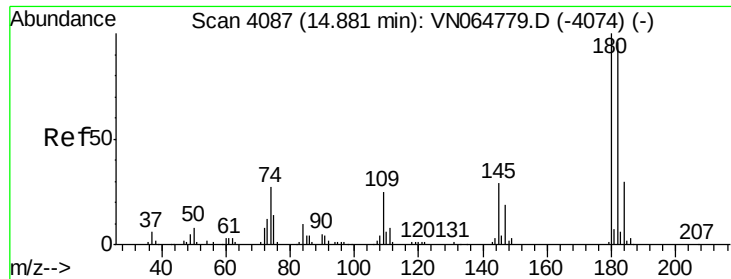
MMDadoda
 11/25/2020 9:51:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.700 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	42.8	128.3
157	118.0	56.4	169.1





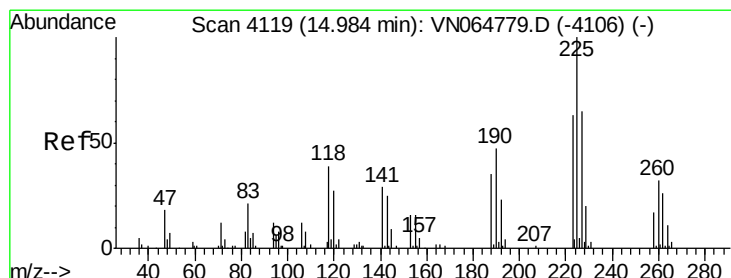
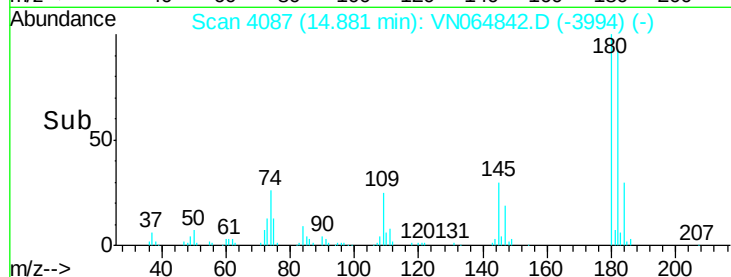
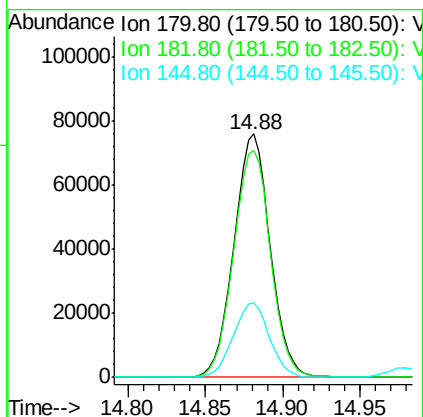
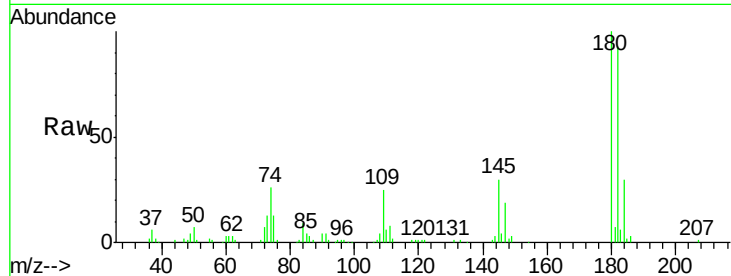
#93
 1,2,4-Trichlorobenzene
 Concen: 44.970 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.9
145	30.6	15.3	45.8

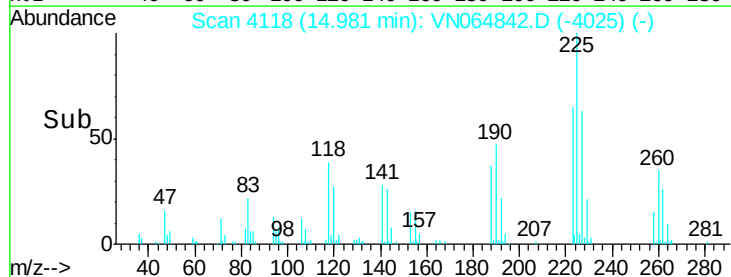
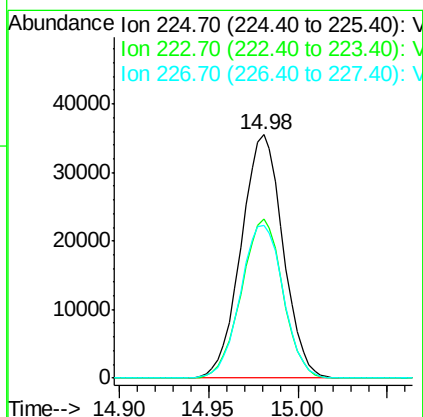
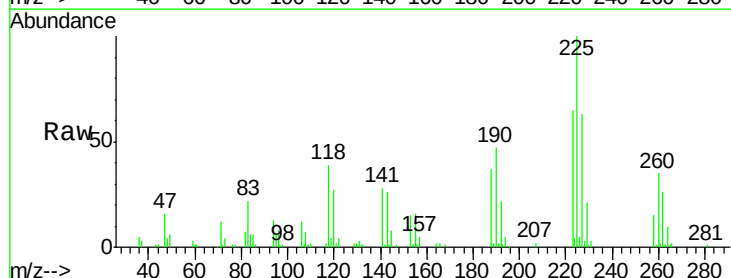
Manual Integrations
 APPROVED

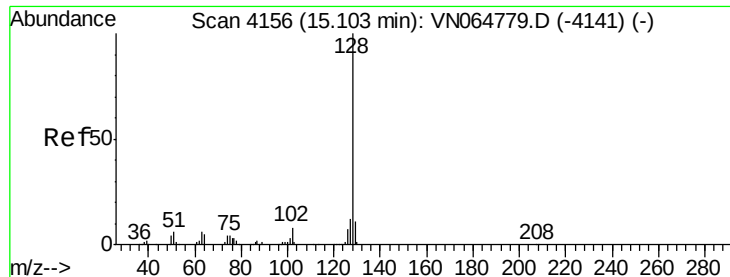
MMDadoda
 11/25/2020 9:51:46 AM



#94
 Hexachlorobutadiene
 Concen: 46.990 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.0	93.0
227	64.2	32.0	96.0





#95

Naphthalene

Concen: 46.571 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

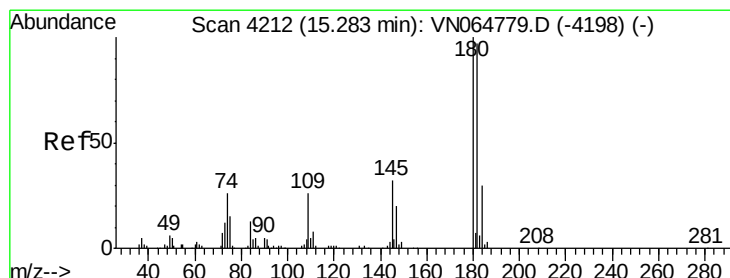
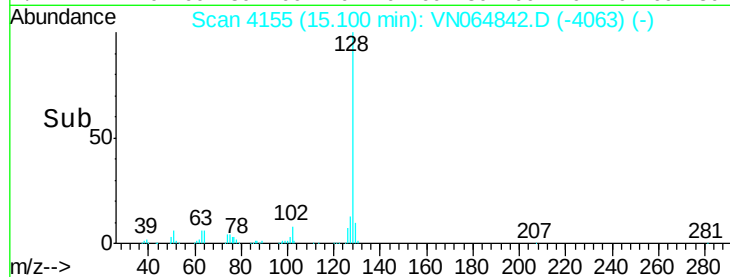
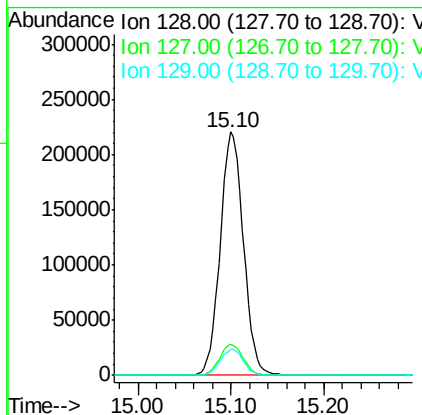
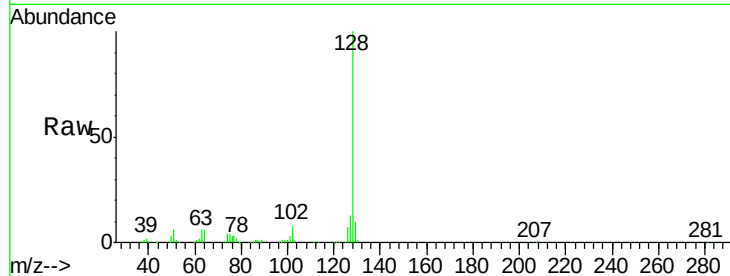
ClientSampleId :

56BR-20201118MSD

Tot Ion:	128	Resp:	383296
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/25/2020 9:51:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.257 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:	180	Resp:	123170
Ion Ratio		Lower	Upper
180	100		
182	96.1	48.1	144.4
145	33.0	16.4	49.1

