

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063857.D
 Acq On : 3 Oct 2020 6:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:49 PM

Quant Time: Oct 05 08:38:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	229200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	409776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	218941	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.55	113	145114	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.06	98	516596	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.38	95	195801	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	108438	44.838	ug/l	99
3) Chloromethane	2.04	50	145323	51.211	ug/l	100
4) Vinyl Chloride	2.16	62	140103	49.185	ug/l	100
5) Bromomethane	2.52	94	93977	52.451	ug/l	97
6) Chloroethane	2.67	64	93995	55.223	ug/l	98
7) Trichlorofluoromethane	2.98	101	216244	47.867	ug/l	96
8) Diethyl Ether	3.37	74	87889	57.525	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	105357	43.633	ug/l	98
10) Methyl Iodide	3.91	142	164520	58.681	ug/l	99
11) Tert butyl alcohol	4.73	59	144722	346.186	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	111763	48.424	ug/l	97
13) Acrolein	3.56	56	65538	255.435	ug/l	98
14) Allyl chloride	4.28	41	230819	53.832	ug/l	95
15) Acrylonitrile	4.93	53	370668	309.759	ug/l	98
16) Acetone	3.77	43	357674	306.853	ug/l	98
17) Carbon Disulfide	4.01	76	298020	47.805	ug/l	98
18) Methyl Acetate	4.27	43	195257	64.518	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	486968	58.075	ug/l	99
20) Methylene Chloride	4.50	84	151292	56.654	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	129475	50.084	ug/l	96
22) Diisopropyl ether	5.90	45	525916	59.615	ug/l	97
23) Vinyl Acetate	5.84	43	2230420	305.214	ug/l	99
24) 1,1-Dichloroethane	5.79	63	275455	54.609	ug/l	98
25) 2-Butanone	6.78	43	549198	332.331	ug/l	99
26) 2,2-Dichloropropane	6.78	77	154626	33.474	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	160290	53.912	ug/l	95
28) Bromochloromethane	7.15	49	145999	58.562	ug/l	98
29) Tetrahydrofuran	7.16	42	366744	330.888	ug/l	97
30) Chloroform	7.33	83	297021	56.474	ug/l	96
31) Cyclohexane	7.61	56	182061	41.415	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	251254	52.964	ug/l	99
36) 1,1-Dichloropropene	7.75	75	184066	44.338	ug/l	99
37) Ethyl Acetate	6.88	43	231994	56.248	ug/l	99
38) Carbon Tetrachloride	7.73	117	208971	44.890	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	155337	37.521	ug/l	97
40) Benzene	8.00	78	582694	49.141	ug/l	99
41) Methacrylonitrile	7.12	41	100419	54.781	ug/l #	67
42) 1,2-Dichloroethane	8.08	62	269123	53.170	ug/l	98
43) Isopropyl Acetate	8.13	43	392564	57.703	ug/l #	93
44) Trichloroethene	8.80	130	142384	45.829	ug/l	100
45) 1,2-Dichloropropane	9.08	63	167601	52.337	ug/l	99
46) Dibromomethane	9.17	93	115483	52.275	ug/l	99
47) Bromodichloromethane	9.37	83	240460	52.815	ug/l	100
48) Methyl methacrylate	9.16	41	202871	60.357	ug/l	92
49) 1,4-Dioxane	9.16	88	59545	1246.491	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1225394	306.930	ug/l	99
52) Toluene	10.13	92	360969	49.216	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	243874	49.970	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	249950	48.971	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	158978	54.050	ug/l	98
56) Ethyl methacrylate	10.40	69	239710	57.496	ug/l	97
57) 1,3-Dichloropropane	10.68	76	271081	54.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	653609	293.080	ug/l	99
59) 2-Hexanone	10.72	43	907484	305.981	ug/l	99
60) Dibromochloromethane	10.87	129	182881	53.390	ug/l	100
61) 1,2-Dibromoethane	10.98	107	165603	55.041	ug/l	98
64) Tetrachloroethene	10.60	164	131006	44.937	ug/l	97
65) Chlorobenzene	11.41	112	383001	49.549	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	156553	52.829	ug/l	99
67) Ethyl Benzene	11.48	91	678896	48.267	ug/l	100
68) m/p-Xylenes	11.59	106	507091	96.734	ug/l	99
69) o-Xylene	11.92	106	247442	50.502	ug/l	99
70) Styrene	11.94	104	440604	52.976	ug/l	99
71) Bromoform	12.10	173	127985	56.470	ug/l #	99
73) Isopropylbenzene	12.22	105	631110	47.573	ug/l	100
74) N-amyl acetate	12.05	43	350749	56.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	232145	57.226	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	227595m	56.766	ug/l	
77) Bromobenzene	12.50	156	167699	51.518	ug/l	96
78) n-propylbenzene	12.57	91	719861	46.626	ug/l	99
79) 2-Chlorotoluene	12.65	91	467263	49.210	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	538767	48.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	70093	50.352	ug/l	98
82) 4-Chlorotoluene	12.75	91	490495	49.760	ug/l	99
83) tert-Butylbenzene	12.97	119	429842	47.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	556442	50.076	ug/l	98
85) sec-Butylbenzene	13.14	105	536160	44.840	ug/l	100
86) p-Isopropyltoluene	13.26	119	490285	46.349	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	290178	49.274	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	296824	48.408	ug/l	98
89) n-Butylbenzene	13.59	91	403149	41.293	ug/l	99
90) Hexachloroethane	13.85	117	95273	46.480	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	297903	51.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	54758	57.558	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	138756	43.965	ug/l	96
94) Hexachlorobutadiene	14.98	225	68543	43.349	ug/l	98
95) Naphthalene	15.10	128	460408	47.033	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	134972	44.067	ug/l	98

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

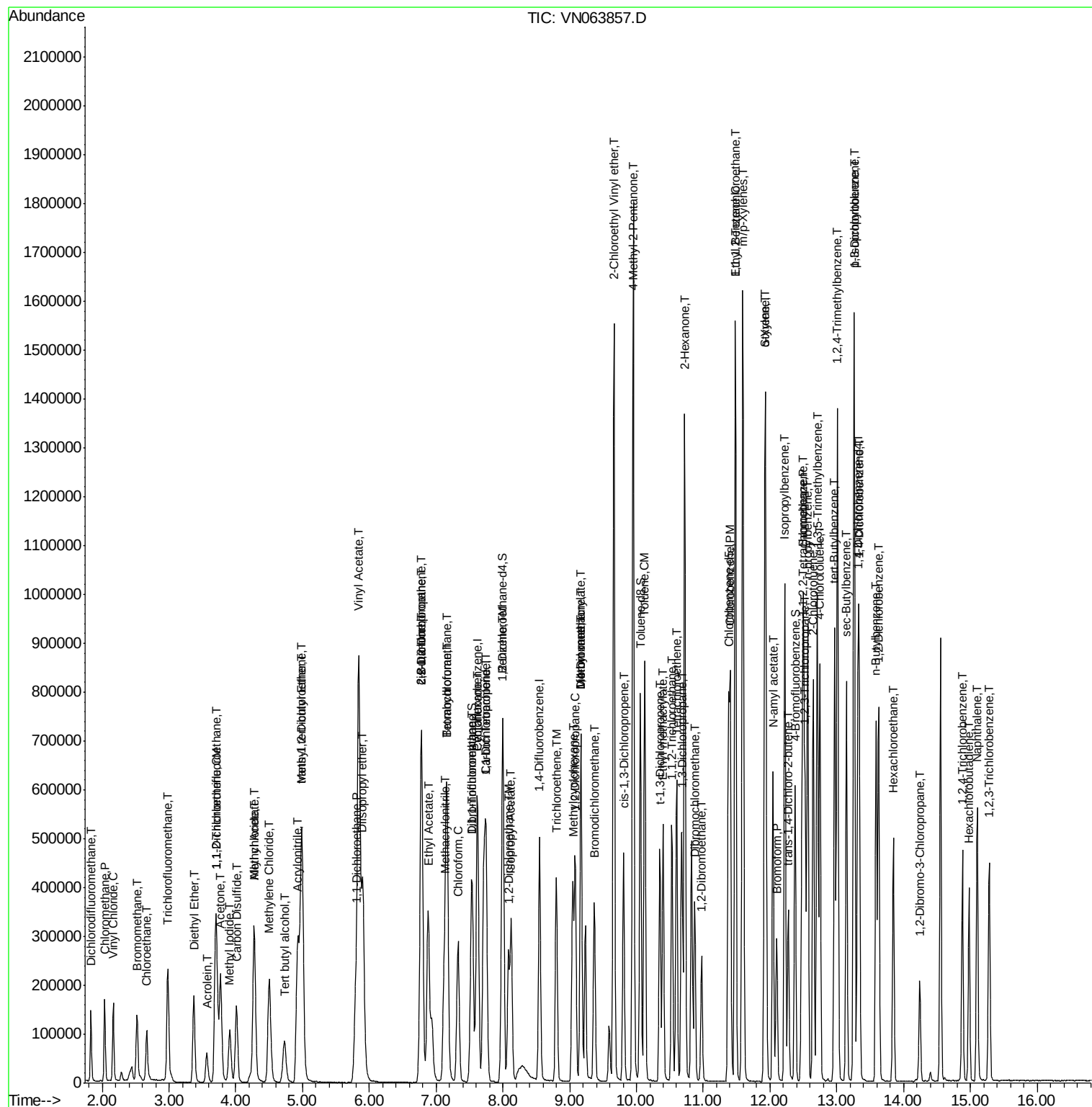
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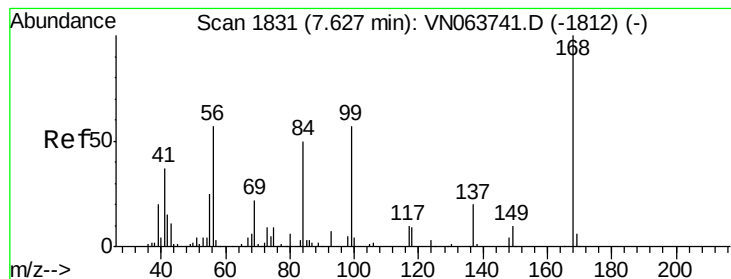
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 229200

Ion Ratio Lower Upper

168 100

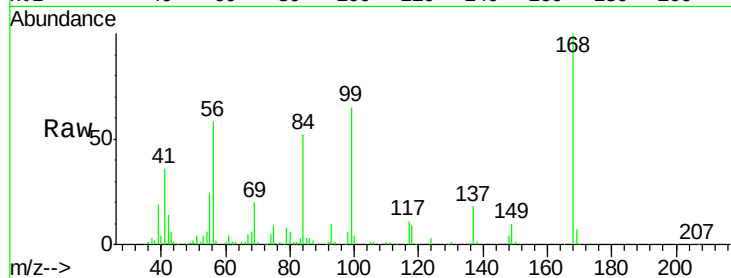
99 64.9 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

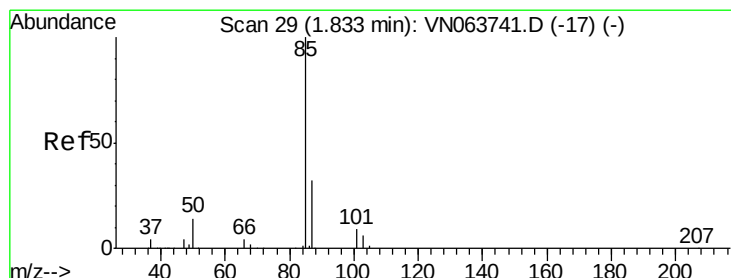
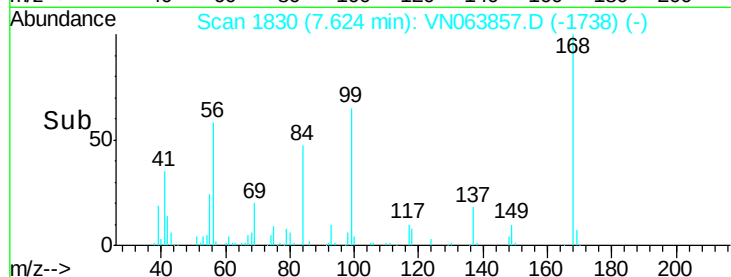
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 44.838 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063857.D

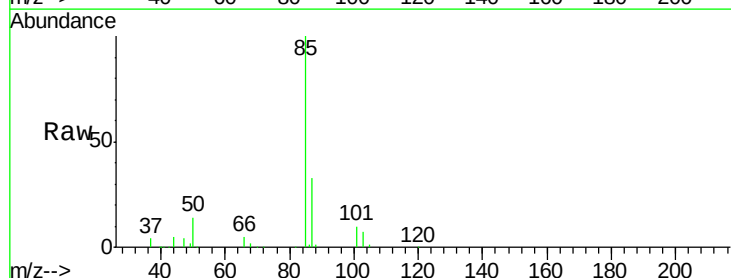
Acq: 3 Oct 2020 6:44

Tgt Ion: 85 Resp: 108438

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

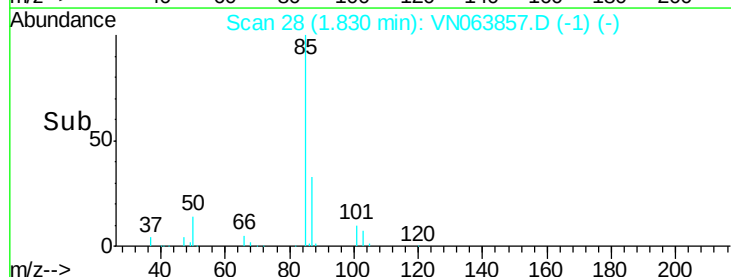
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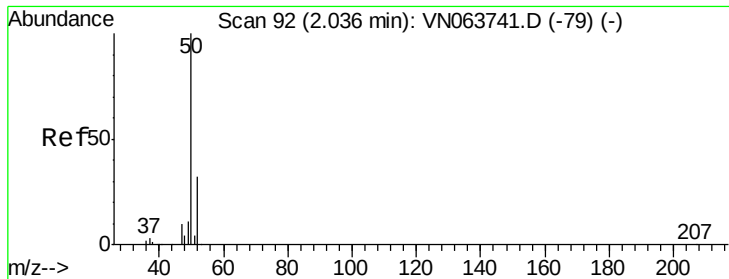
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 51.211 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 145323

Ion Ratio Lower Upper

50 100

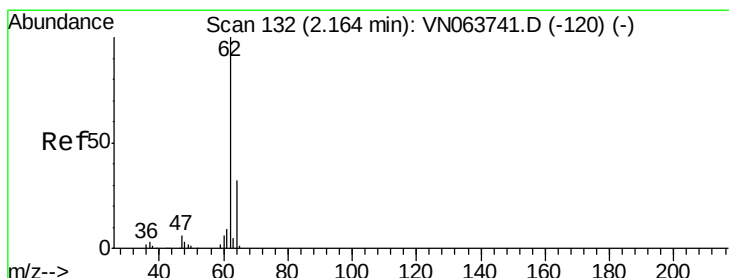
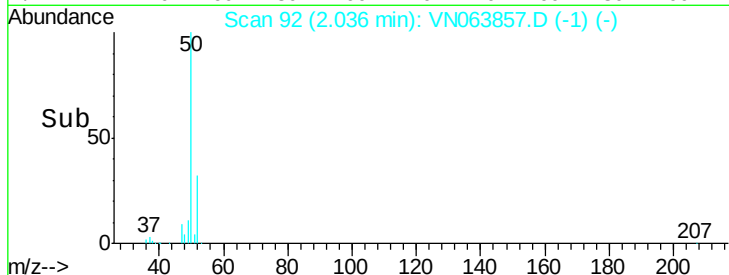
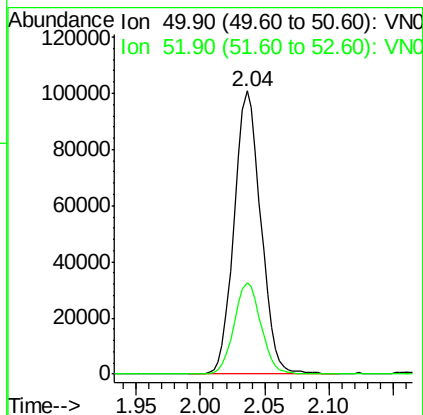
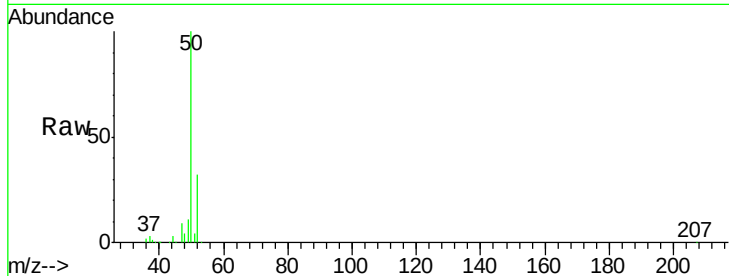
52 32.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.185 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063857.D

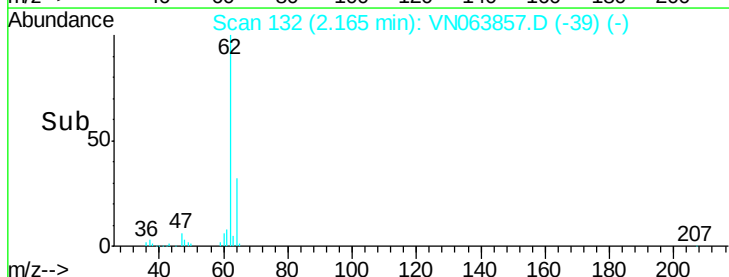
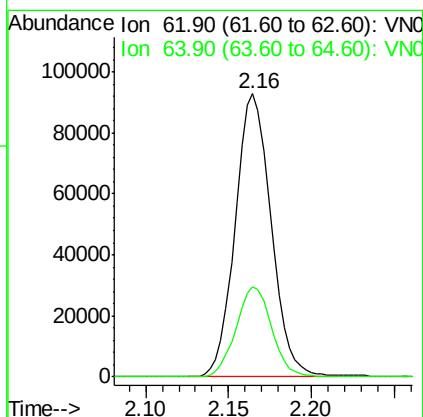
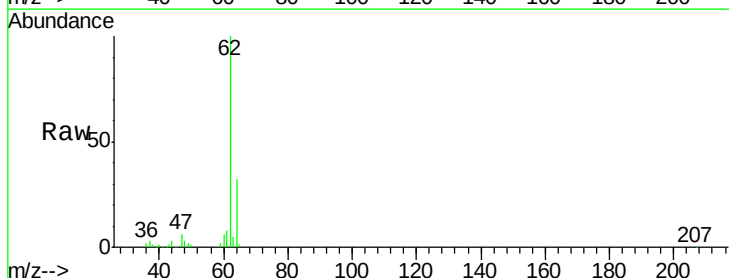
Acq: 3 Oct 2020 6:44

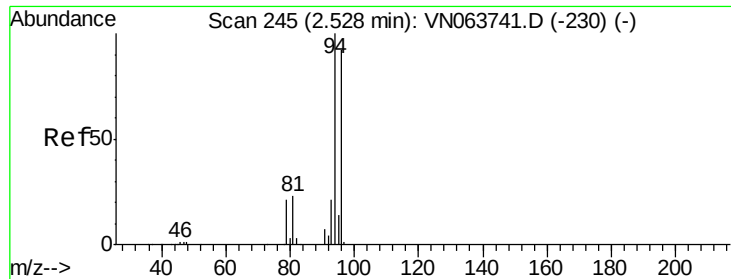
Tgt Ion: 62 Resp: 140103

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 52.451 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

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Tot Ion: 94 Resp: 93977

Ion Ratio Lower Upper

94 100

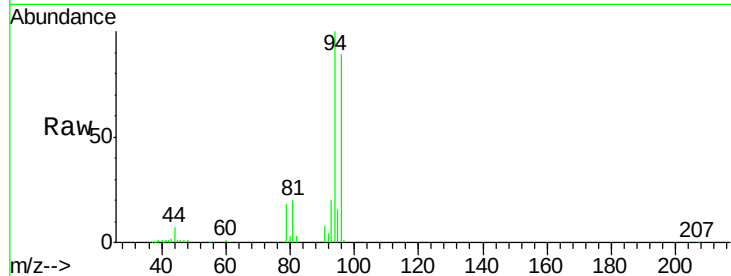
96 88.5 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

50000

40000

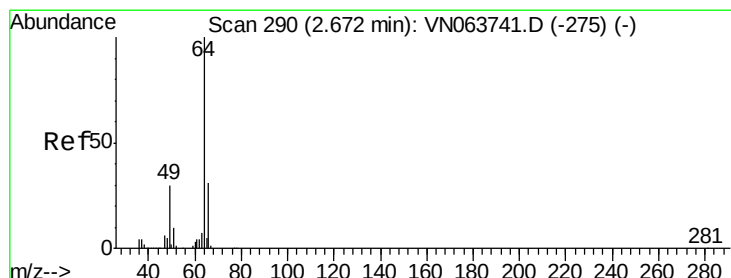
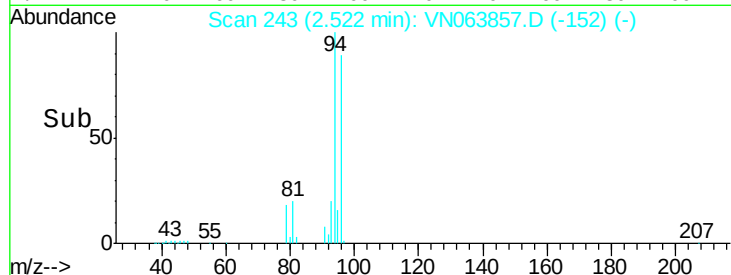
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 55.223 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN063857.D

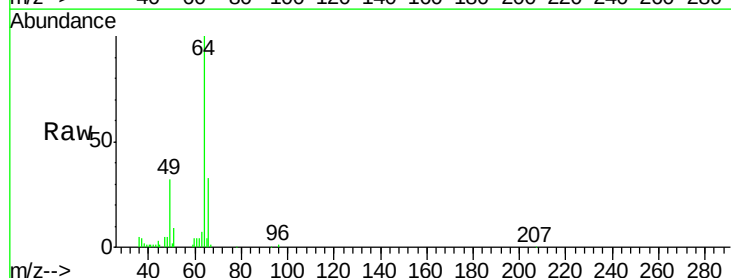
Acq: 3 Oct 2020 6:44

Tgt Ion: 64 Resp: 93995

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

50000

40000

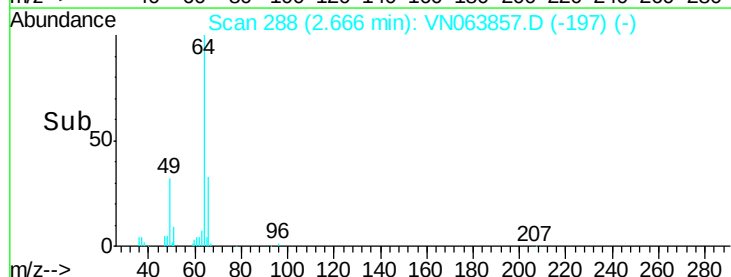
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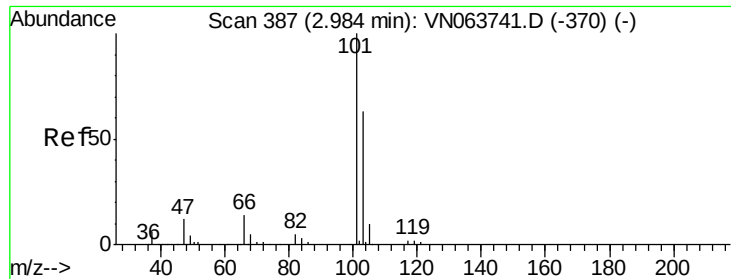
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10000

0

Time-->





#7

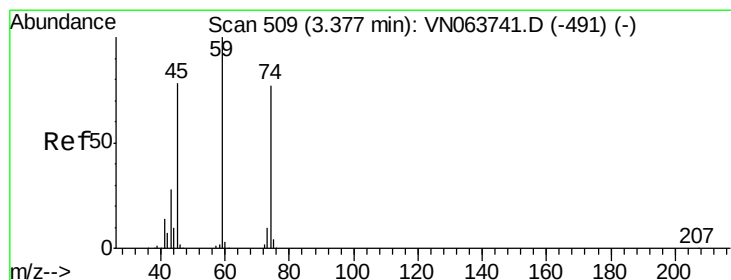
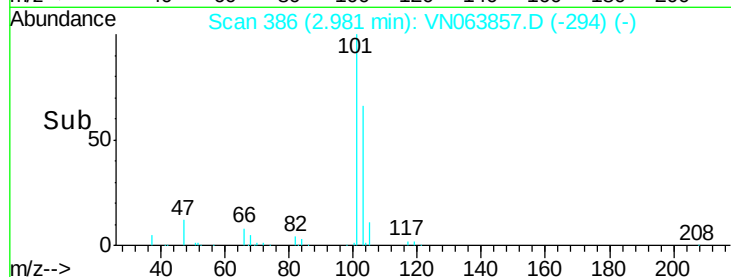
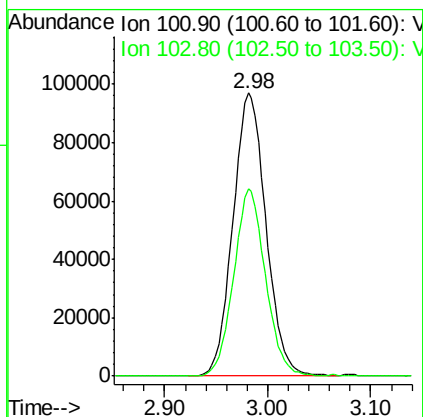
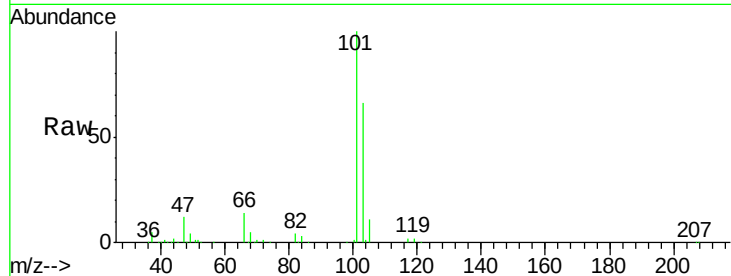
Trichlorofluoromethane
 Concen: 47.867 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.7	76.1

Manual Integrations
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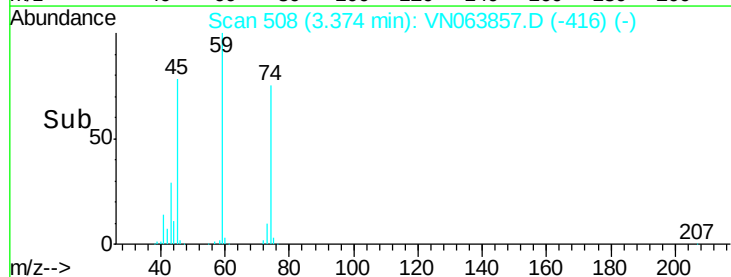
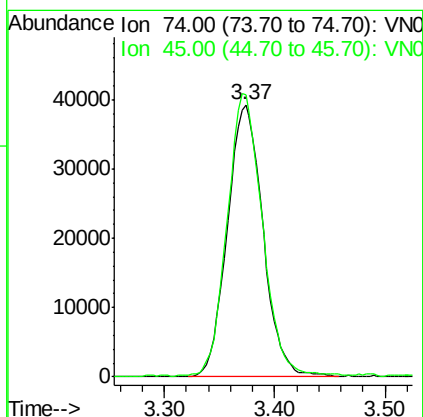
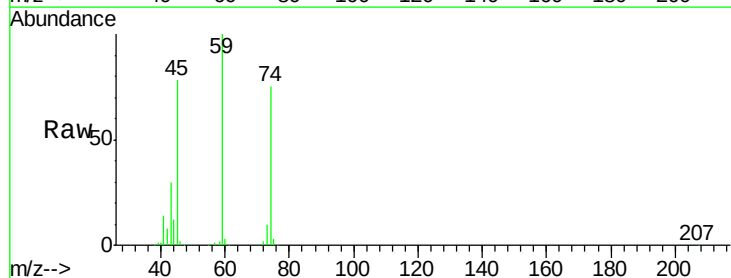
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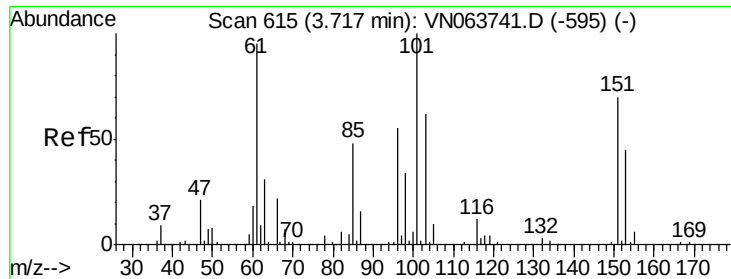


#8

Diethyl Ether
 Concen: 57.525 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.633 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

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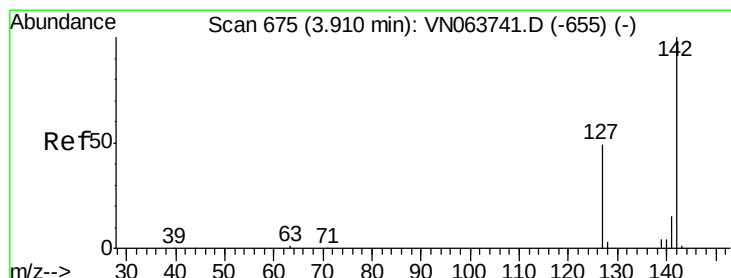
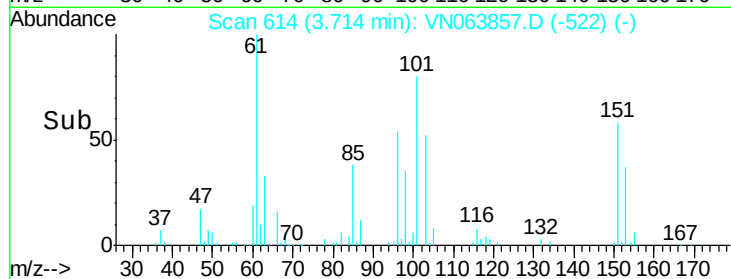
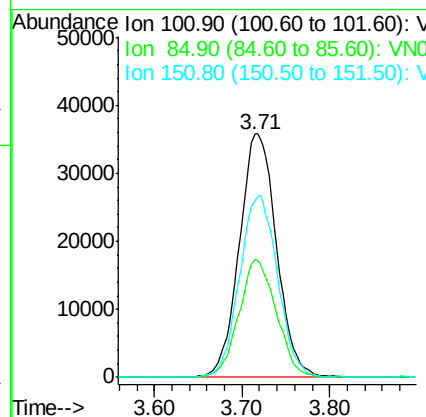
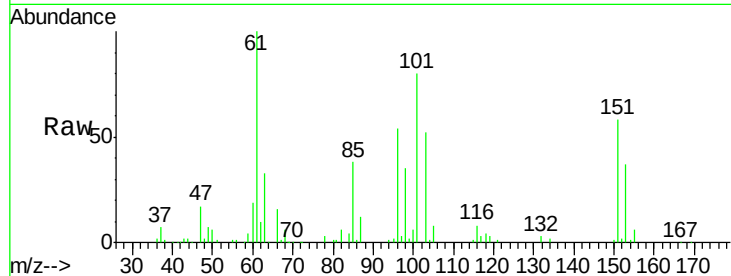
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	105357
Ion Ratio	Lower	Upper	
101	100		
85	48.5	38.6	58.0
151	76.4	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 58.681 ug/l

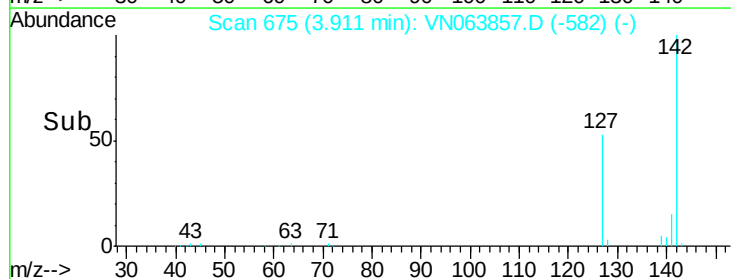
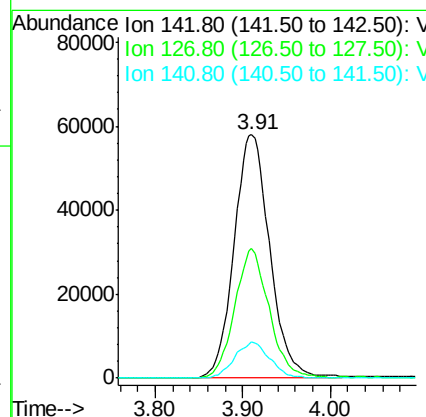
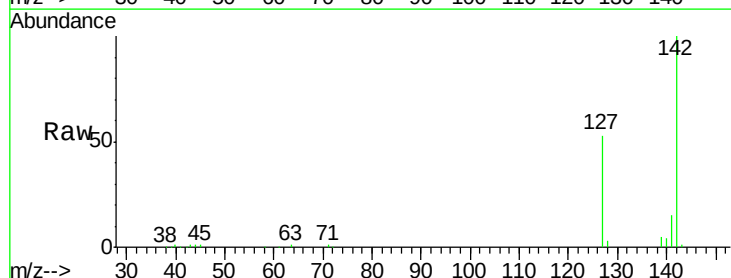
RT: 3.91 min Scan# 675

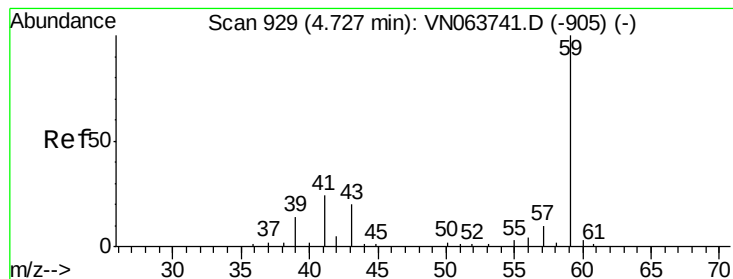
Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	142	Resp:	164520
Ion Ratio	Lower	Upper	
142	100		
127	51.1	40.5	60.7
141	14.6	11.7	17.5





#11

Tert butyl alcohol

Concen: 346.186 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 59 Resp: 144722

Ion Ratio Lower Upper

59 100

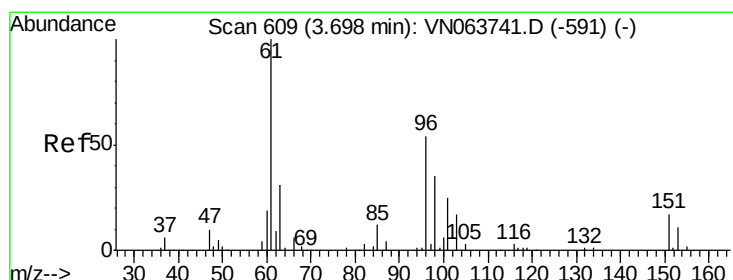
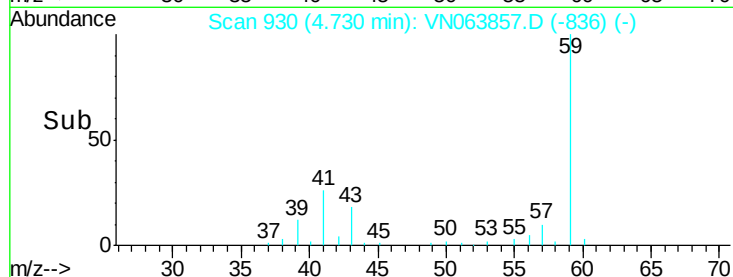
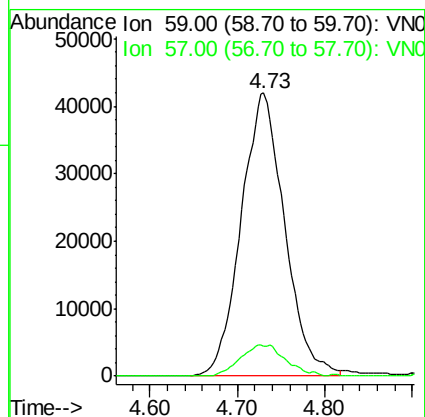
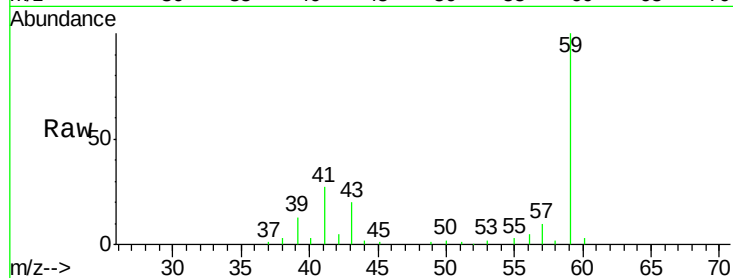
57 6.1 8.7 13.1#

Manual Integrations

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MMDadoda

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#12

1,1-Dichloroethene

Concen: 48.424 ug/l

RT: 3.70 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

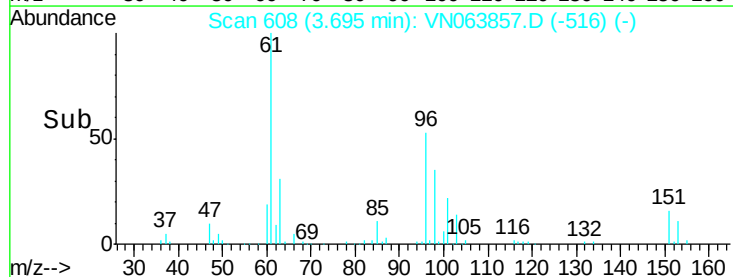
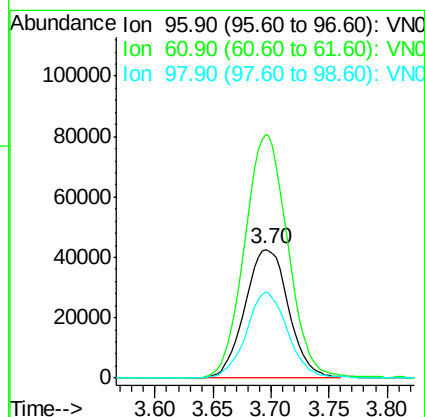
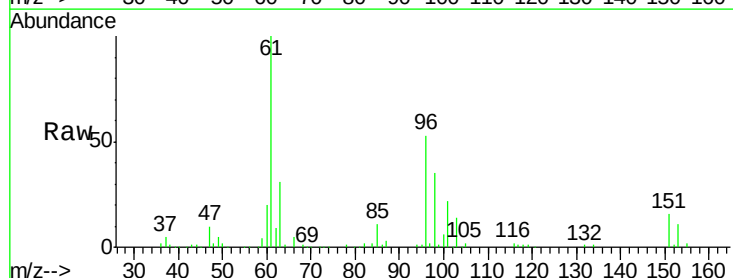
Tgt Ion: 96 Resp: 111763

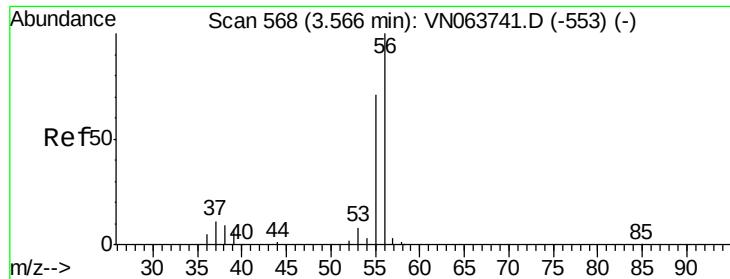
Ion Ratio Lower Upper

96 100

61 189.0 147.7 221.5

98 66.6 51.9 77.9





#13

Acrolein

Concen: 255.435 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 65538

Ion Ratio Lower Upper

56 100

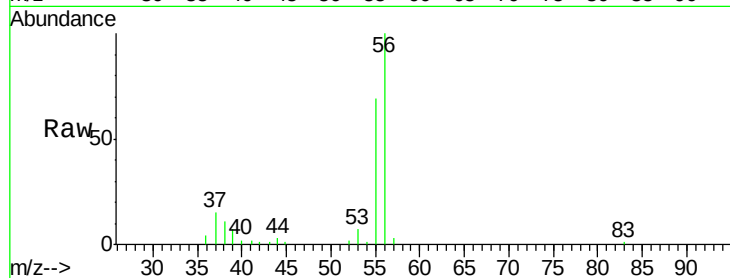
55 72.4 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

30000

25000

20000

15000

10000

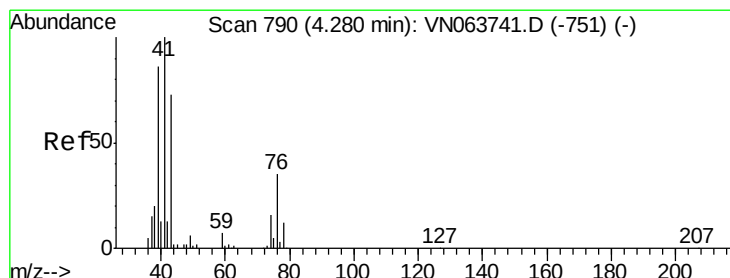
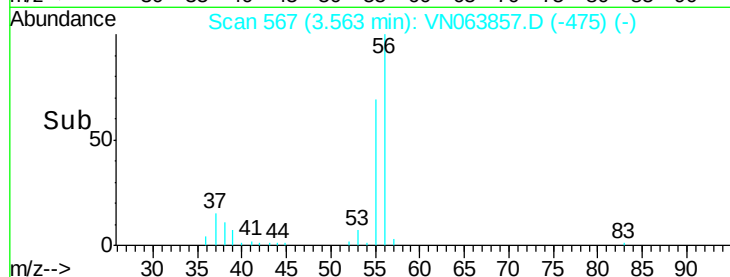
5000

0

Time-->

3.50 3.55 3.60 3.65

3.56



#14

Allyl chloride

Concen: 53.832 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

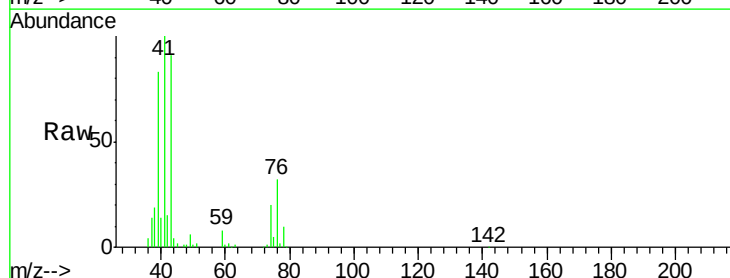
Tgt Ion: 41 Resp: 230819

Ion Ratio Lower Upper

41 100

39 76.8 64.5 96.7

76 29.4 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

40000

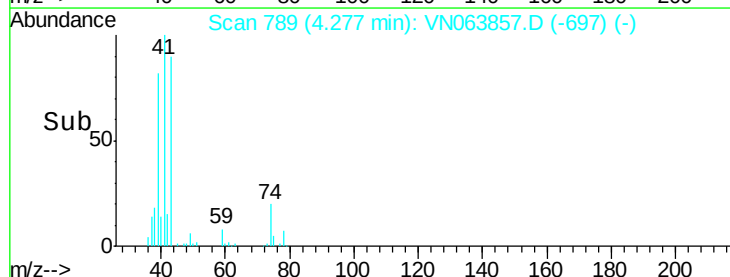
20000

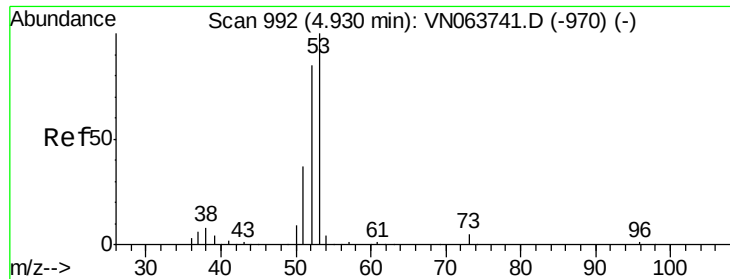
0

Time-->

4.10 4.20 4.30 4.40

4.28





#15

Acrylonitrile

Concen: 309.759 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

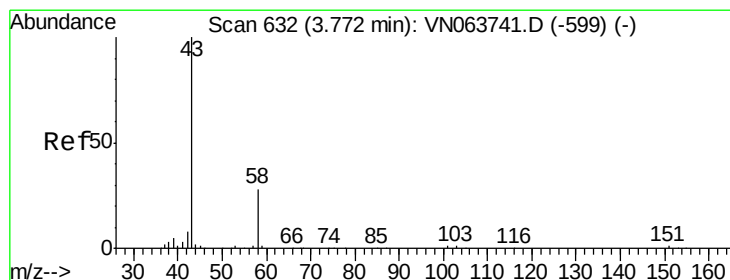
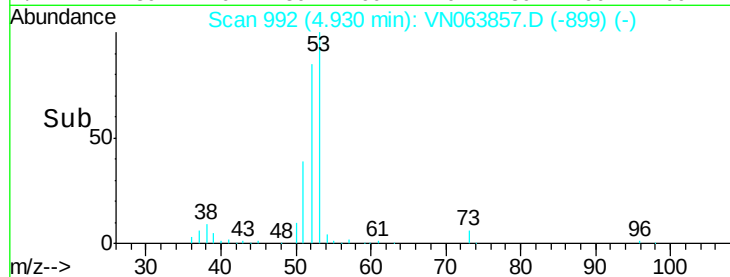
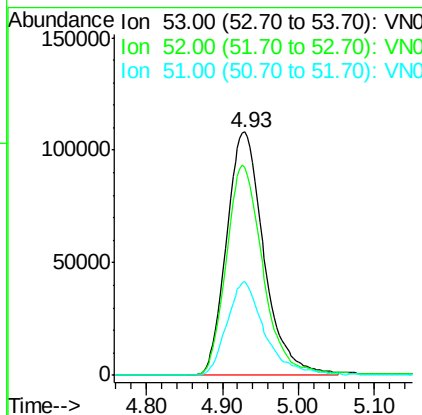
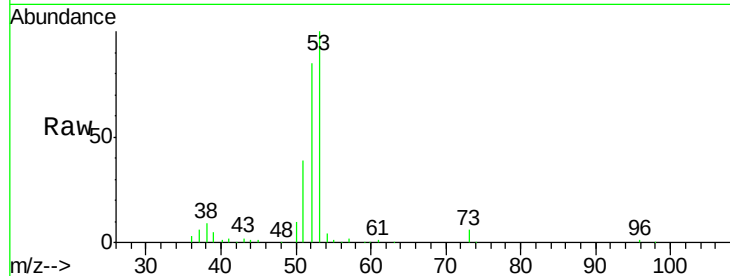
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	370668
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.5	99.7
51	38.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 306.853 ug/l

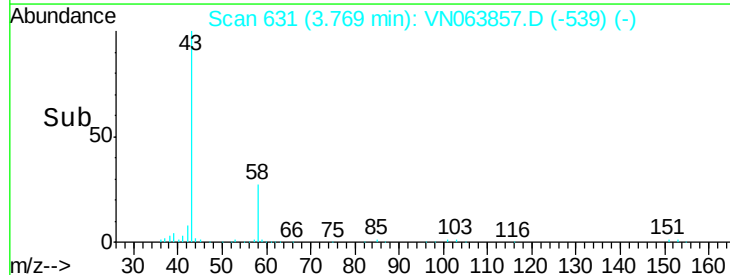
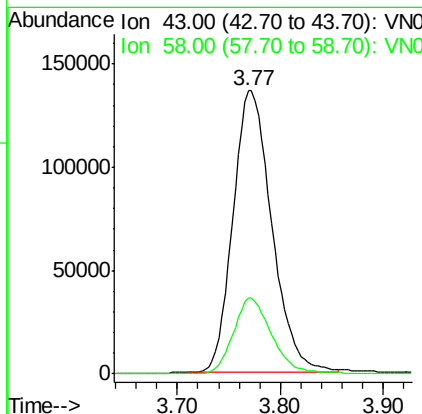
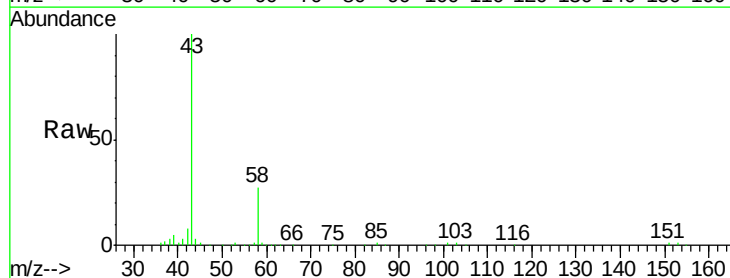
RT: 3.77 min Scan# 631

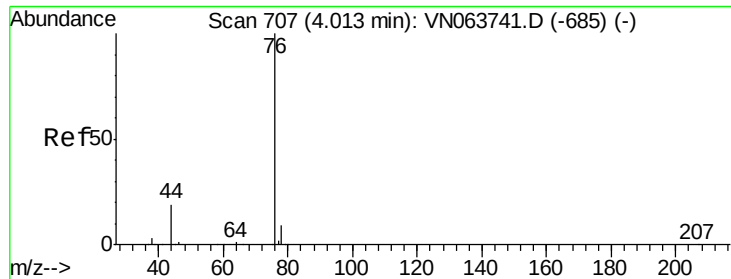
Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	43	Resp:	357674
Ion Ratio	Lower	Upper	
43	100		
58	26.8	22.3	33.5





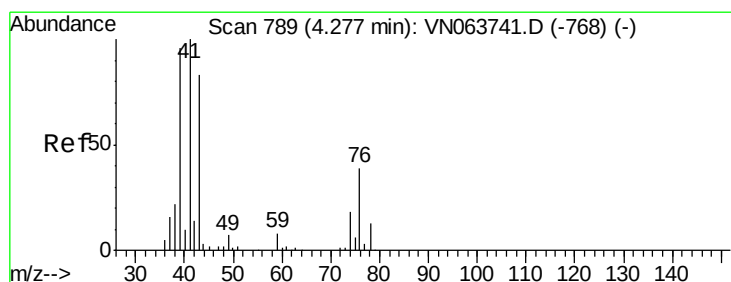
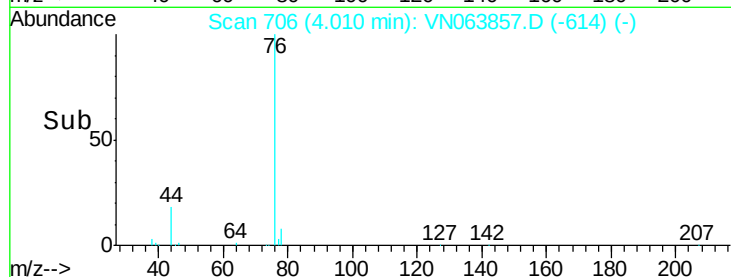
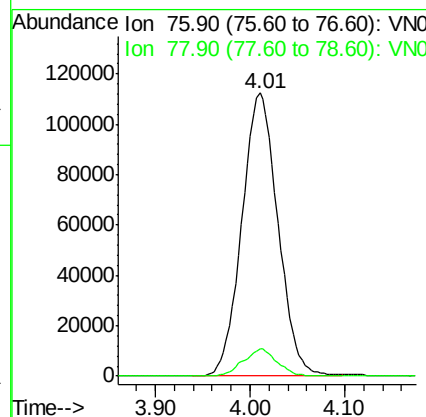
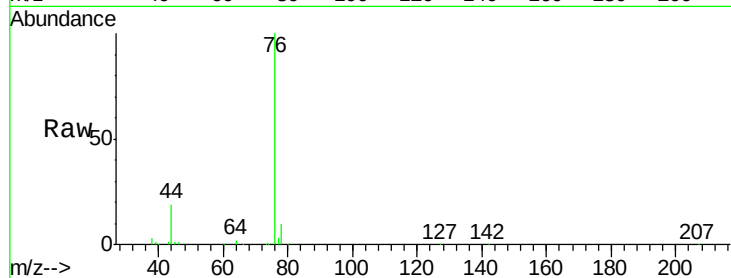
#17
Carbon Disulfide
Concen: 47.805 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

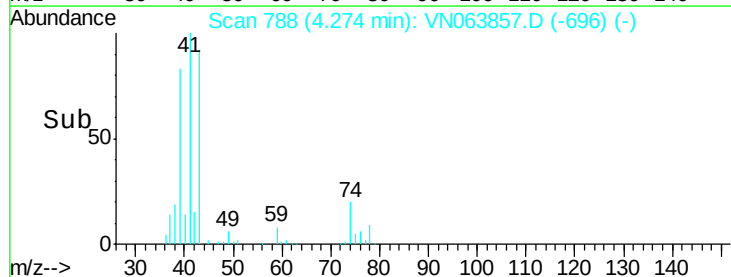
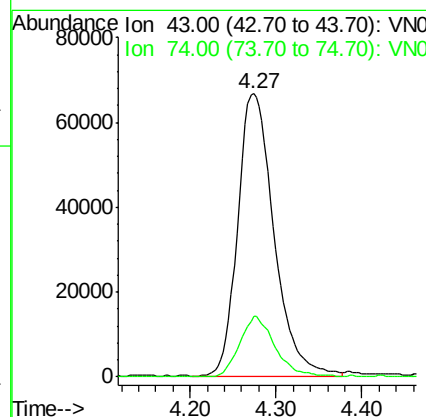
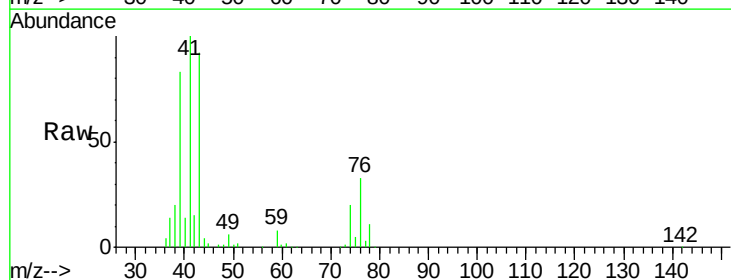
Manual Integrations
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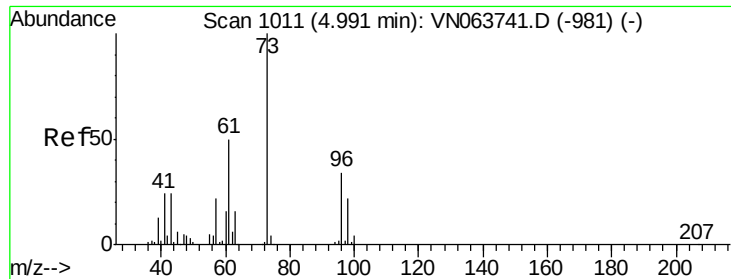
MMDadoda
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#18
Methyl Acetate
Concen: 64.518 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.4	26.2





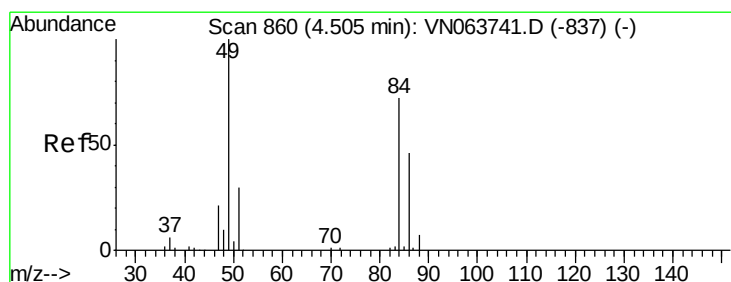
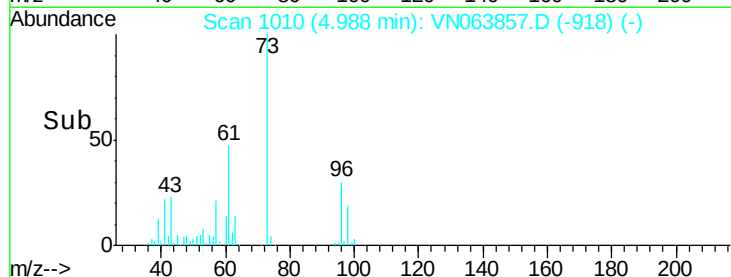
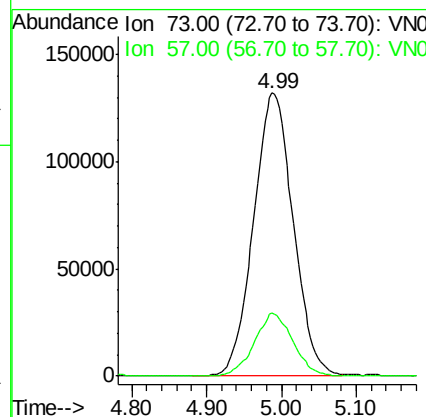
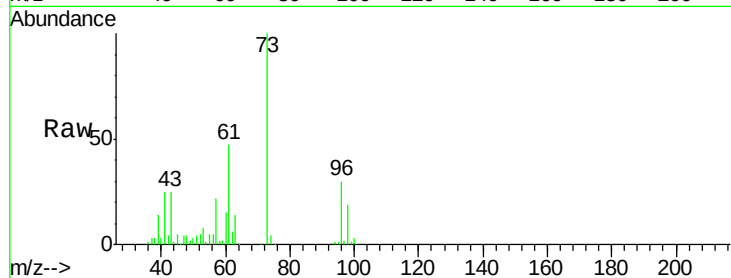
#19
Methvl tert-butvl Ether
Concen: 58.075 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 486968
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

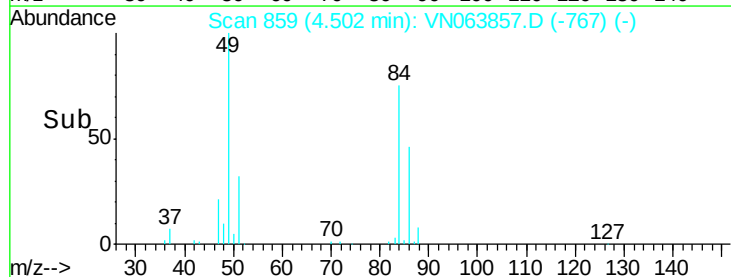
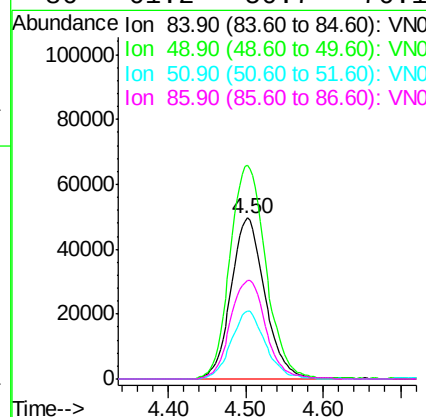
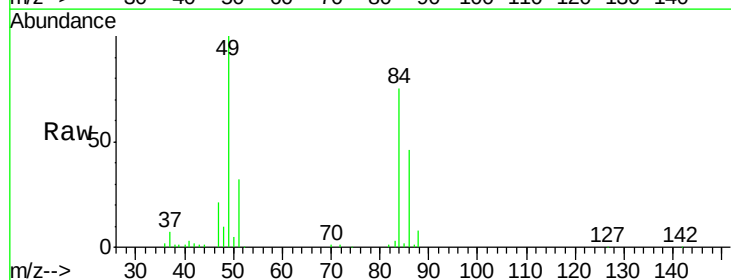
Manual Integrations
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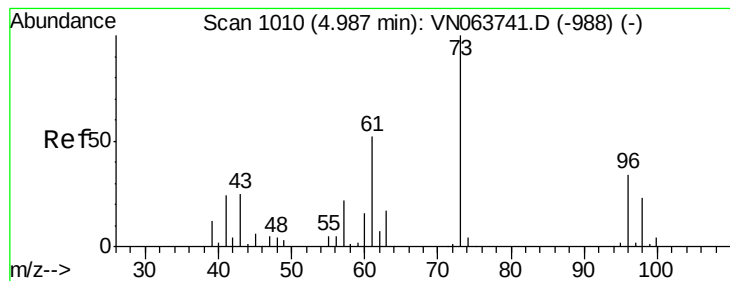
MMDadoda
10/5/2020 5:35:49 PM



#20
Methylene Chloride
Concen: 56.654 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion: 84 Resp: 151292
Ion Ratio Lower Upper
84 100
49 132.8 110.4 165.6
51 42.5 33.3 49.9
86 61.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 50.084 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 129475

Ion Ratio Lower Upper

96 100

61 157.1 120.2 180.2

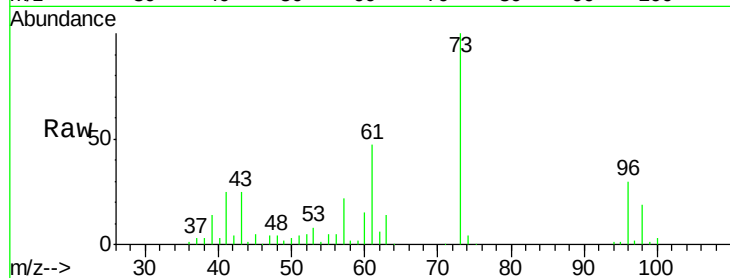
98 65.0 52.6 79.0

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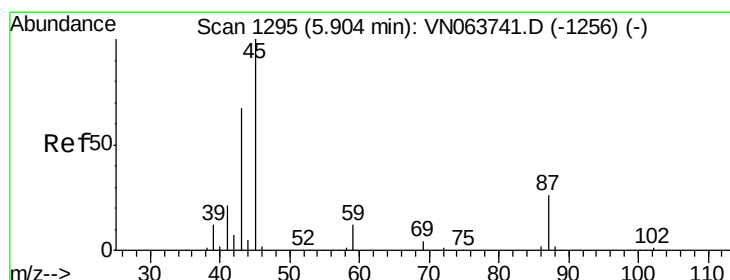
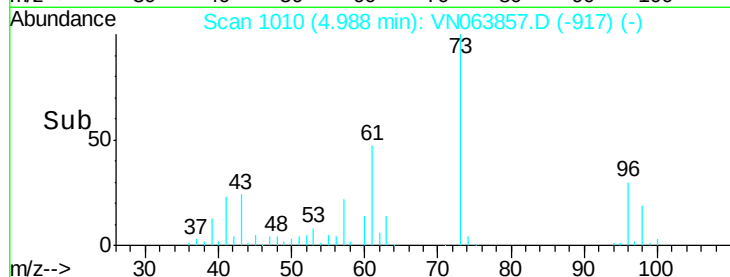
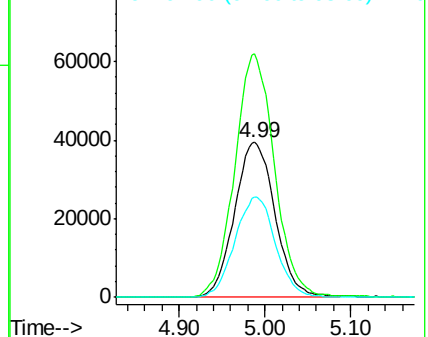


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 59.615 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion: 45 Resp: 525916

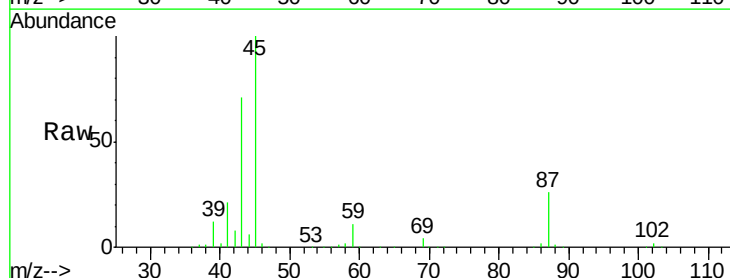
Ion Ratio Lower Upper

45 100

43 70.3 53.7 80.5

87 25.7 21.1 31.7

59 10.9 9.2 13.8



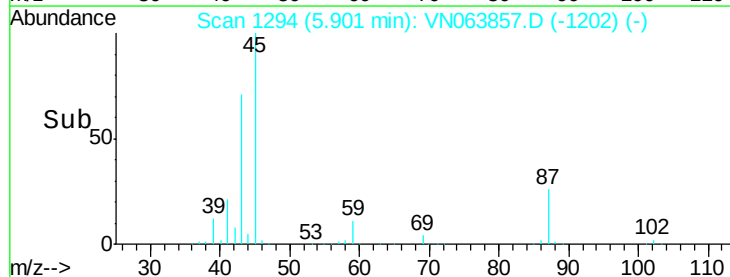
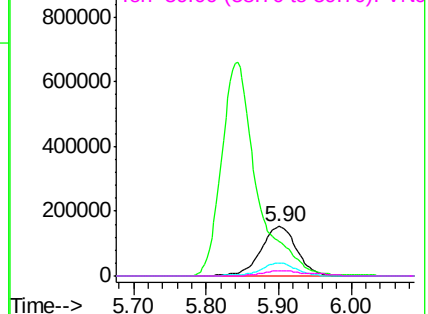
Abundance

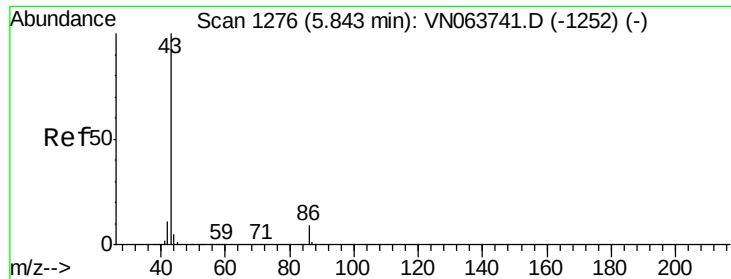
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 305.214 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2230420

Ion Ratio Lower Upper

43 100

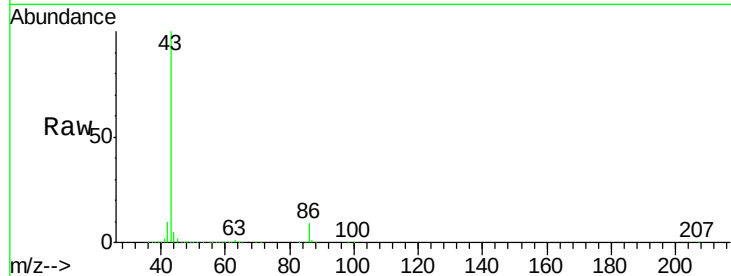
86 8.7 7.3 10.9

Manual Integrations

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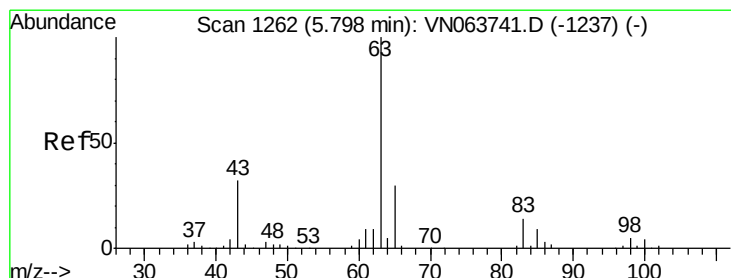
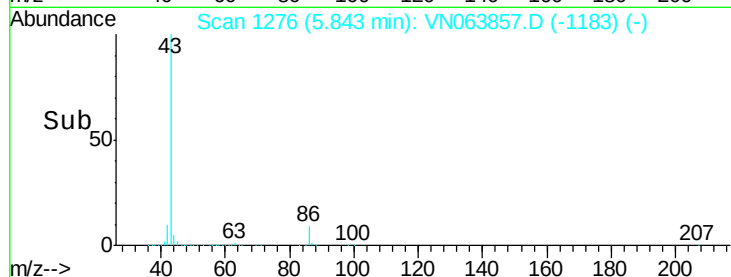
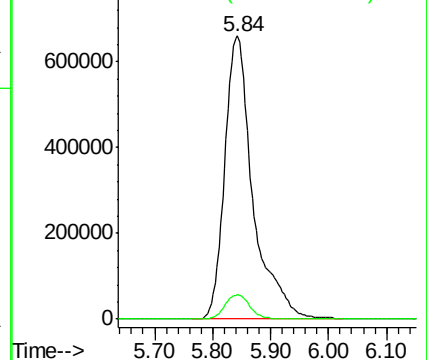
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.609 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

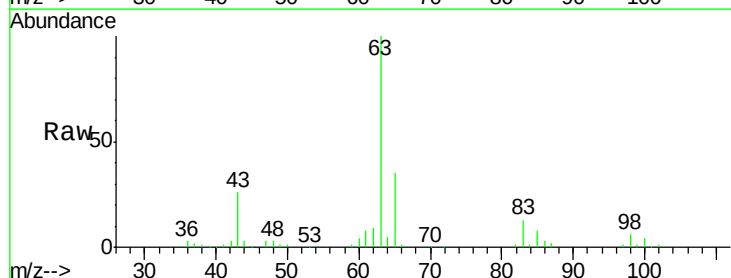
Tgt Ion: 63 Resp: 275455

Ion Ratio Lower Upper

63 100

98 6.2 2.7 8.1

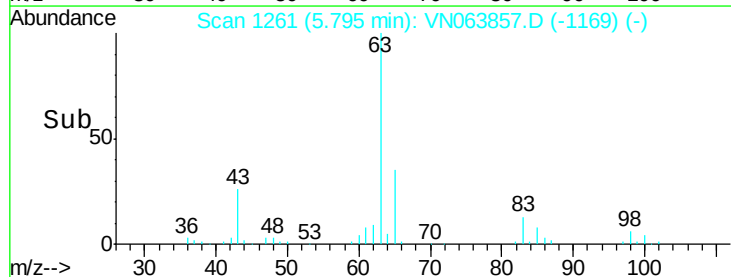
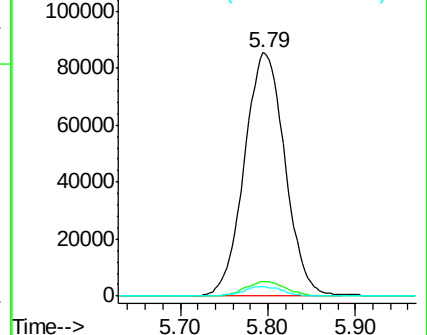
100 3.6 1.9 5.7

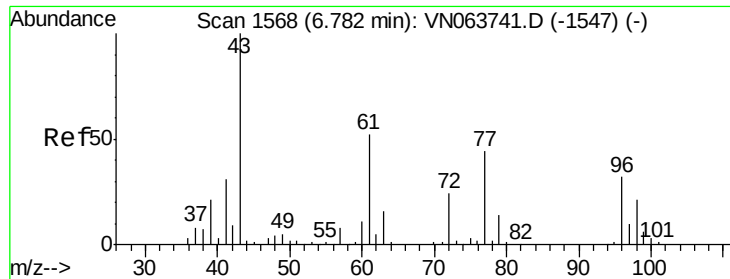


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 332.331 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 549198

Ion Ratio Lower Upper

43 100

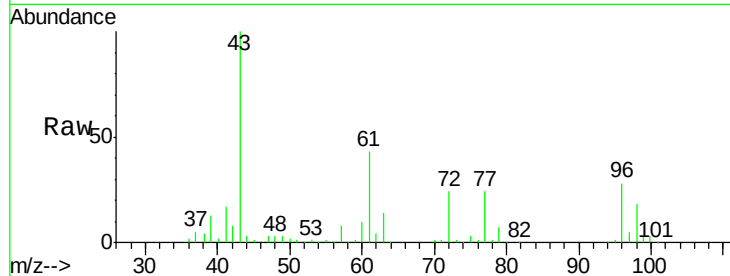
72 23.7 19.3 28.9

Manual Integrations

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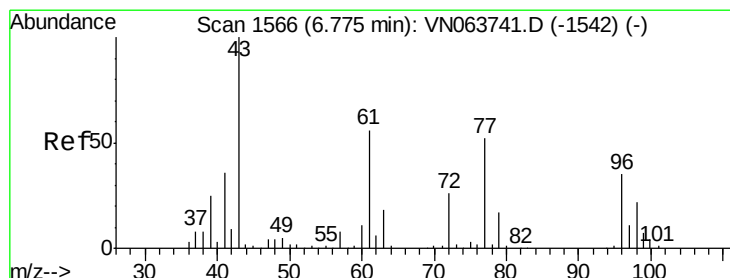
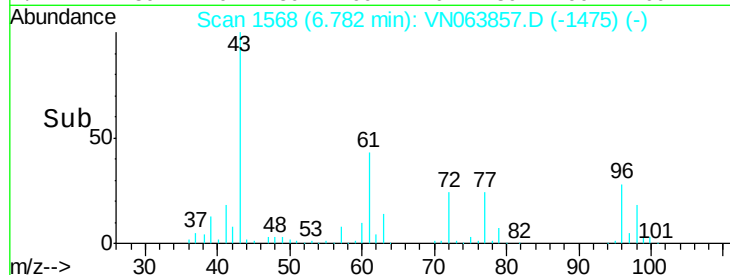
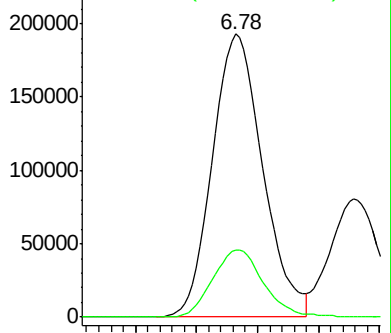
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 33.474 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063857.D

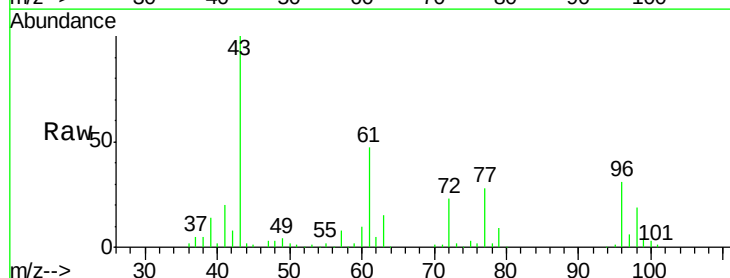
Acq: 3 Oct 2020 6:44

Tgt Ion: 77 Resp: 154626

Ion Ratio Lower Upper

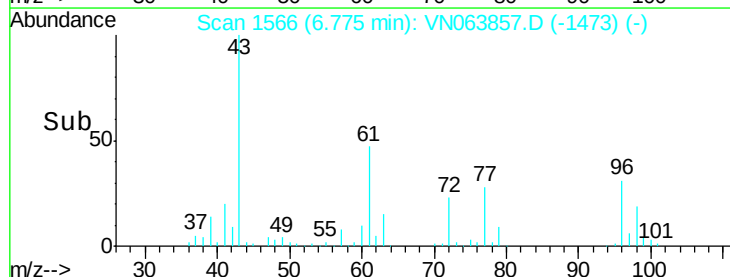
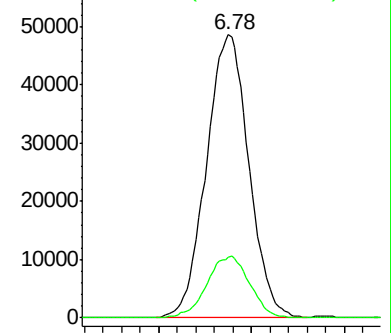
77 100

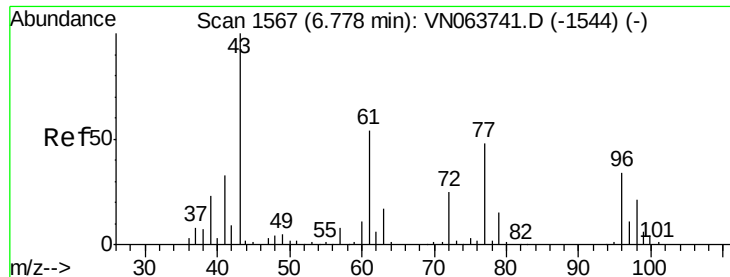
97 22.0 10.8 32.3



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: 53.912 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

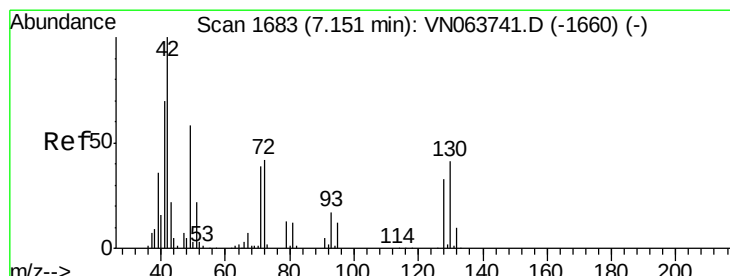
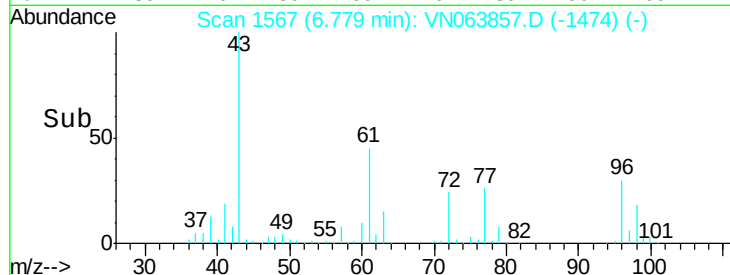
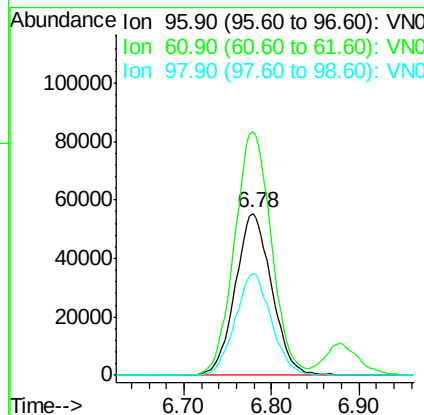
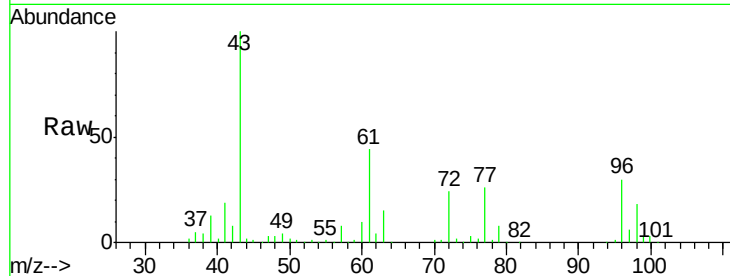
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	160290
Ion Ratio	Lower	Upper	
96	100		
61	151.7	0.0	321.2
98	62.2	0.0	124.4

Manual Integrations
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#28

Bromochloromethane

Concen: 58.562 ug/l

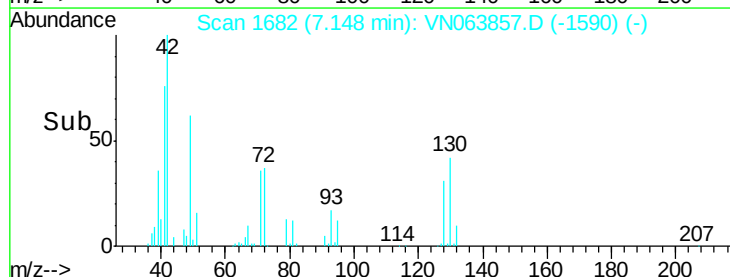
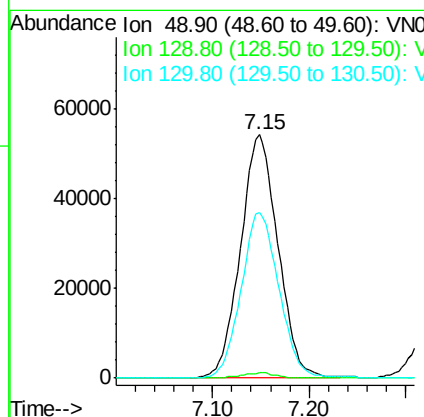
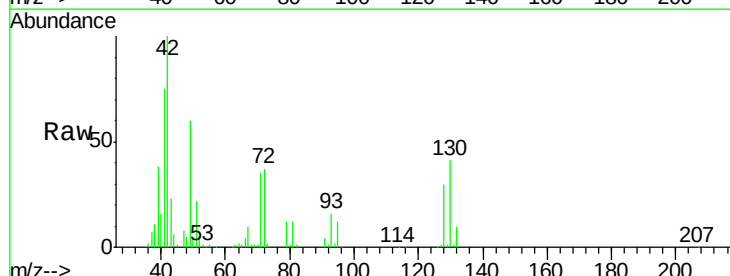
RT: 7.15 min Scan# 1682

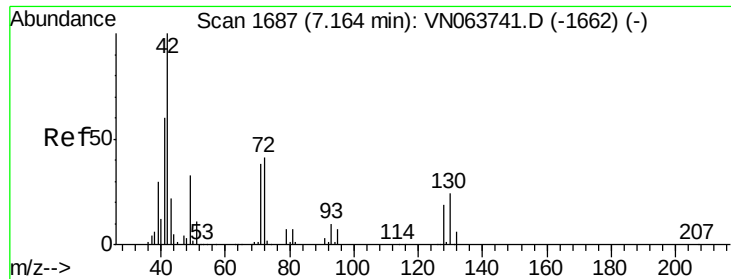
Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	49	Resp:	145999
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	4.8
130	68.3	55.6	83.4





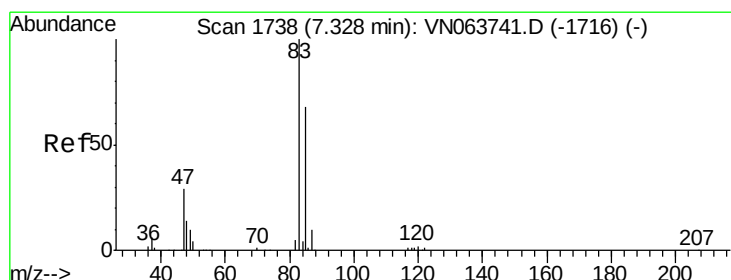
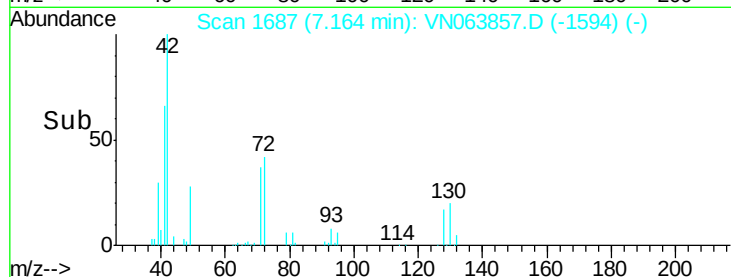
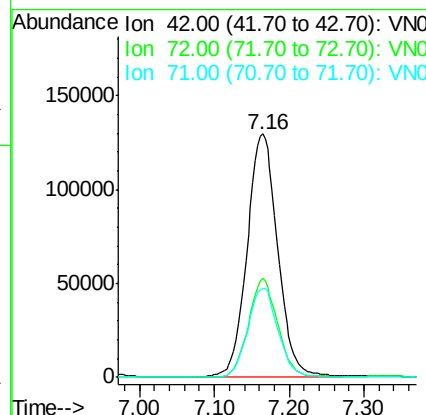
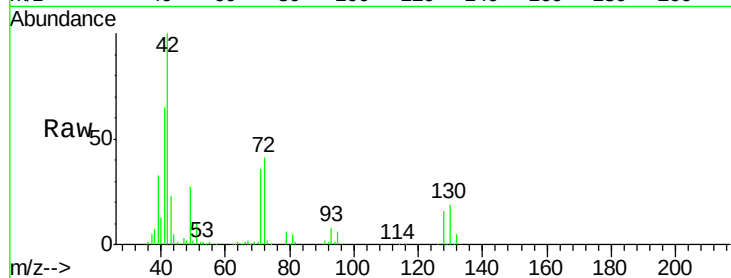
#29
Tetrahydrofuran
Concen: 330.888 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.8	49.2
71	36.6	30.6	45.8

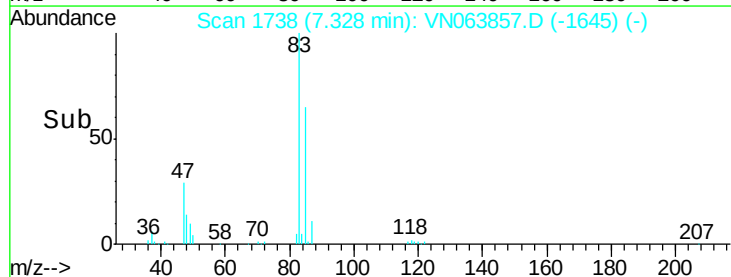
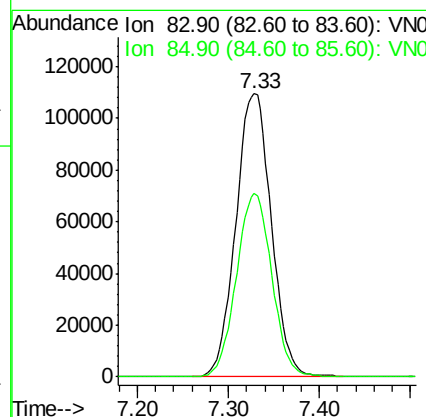
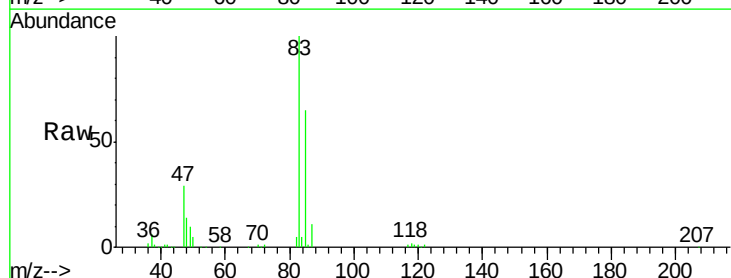
Manual Integrations
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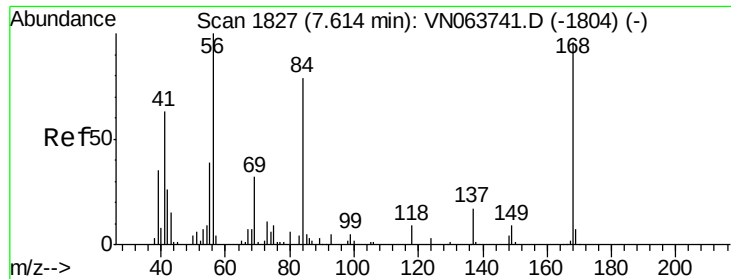
MMDadoda
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#30
Chloroform
Concen: 56.474 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.6	82.0





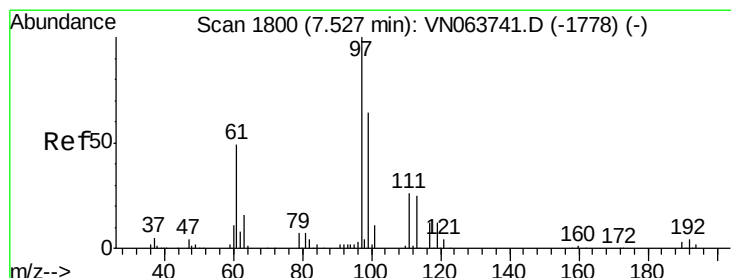
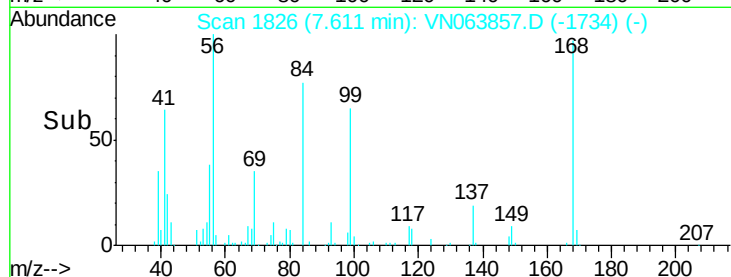
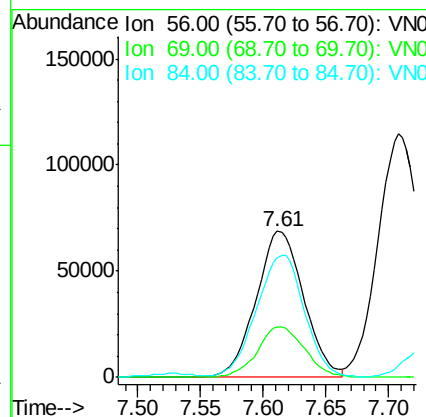
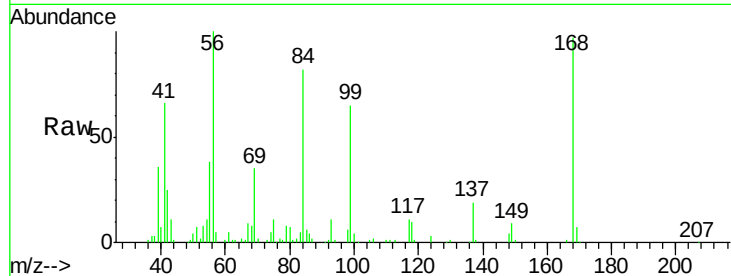
#31
Cyclohexane
Concen: 41.415 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.4	38.2
84	80.3	63.3	94.9

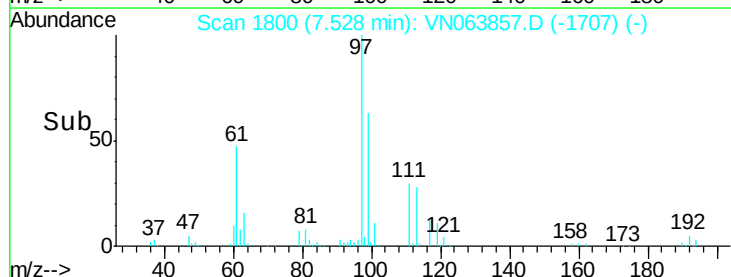
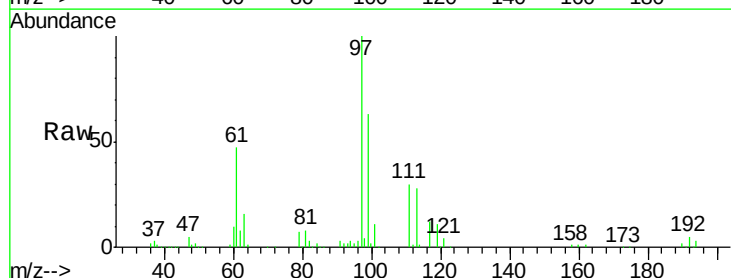
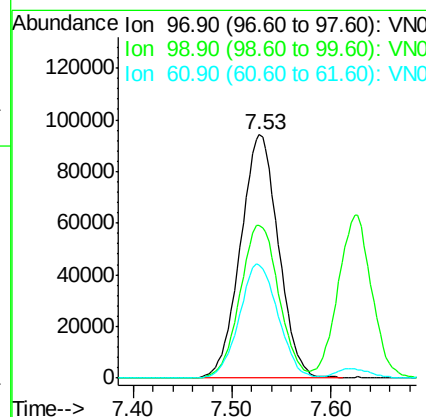
Manual Integrations
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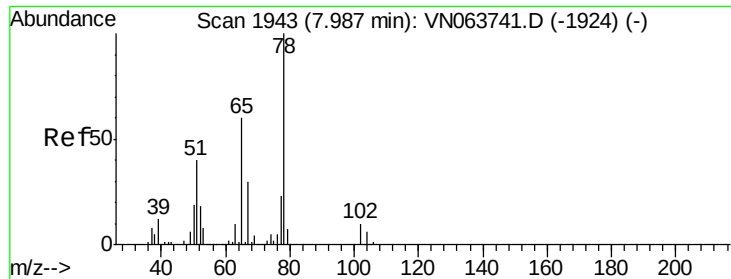
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.964 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	47.9	38.7	58.1





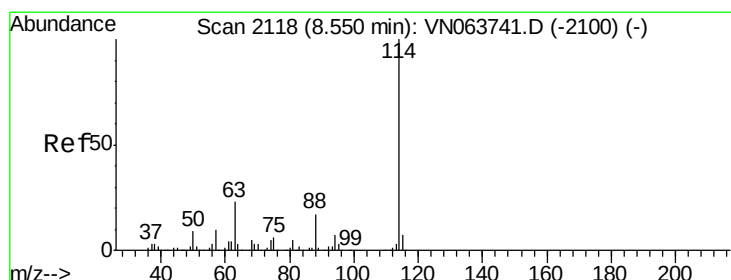
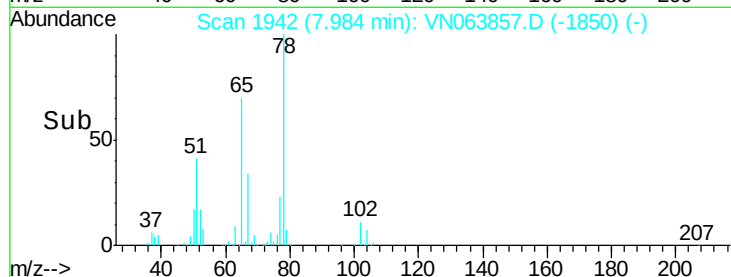
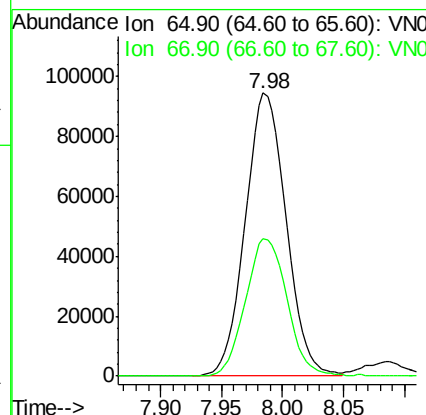
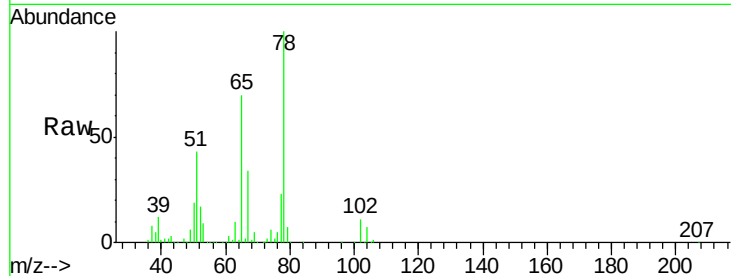
#33
 1,2-Dichloroethane-d4
 Concen: 57.821 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 218941
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.6

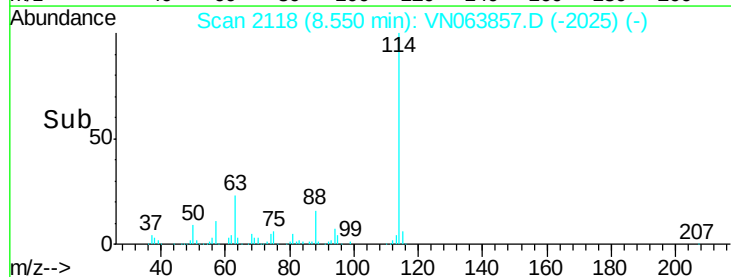
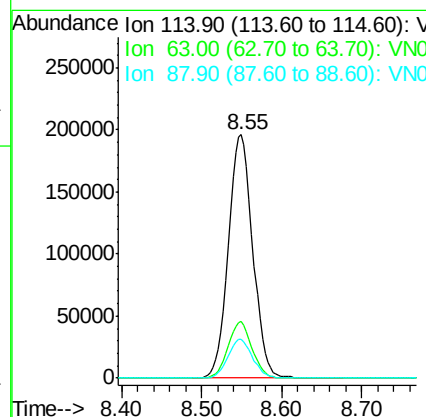
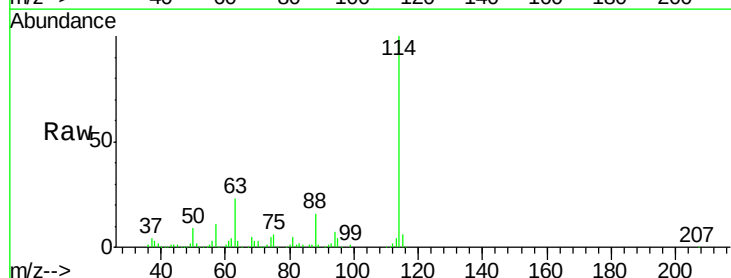
Manual Integrations
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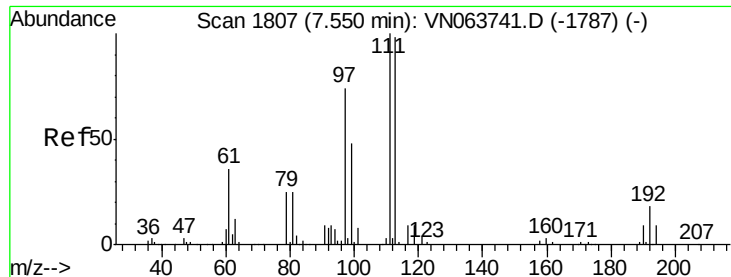
MMDadoda
 10/5/2020 5:35:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion: 114 Resp: 409776
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 16.1 0.0 34.0





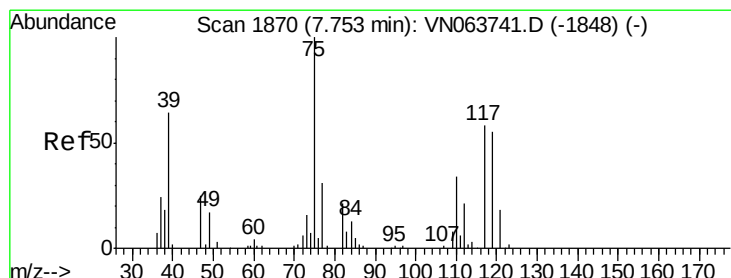
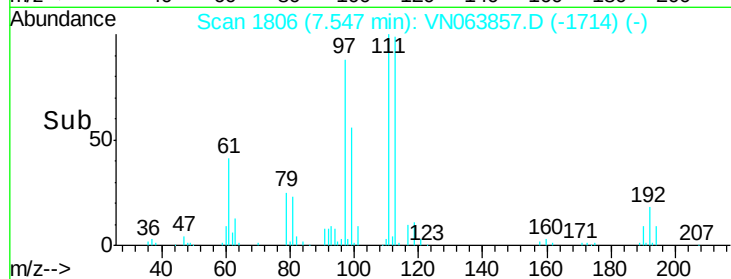
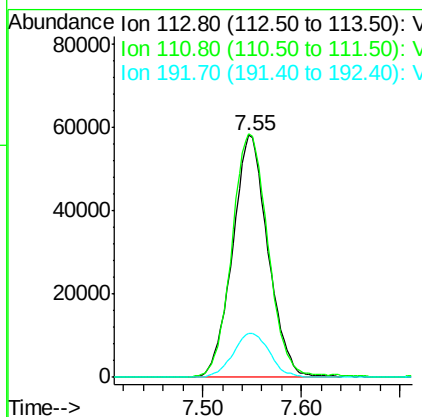
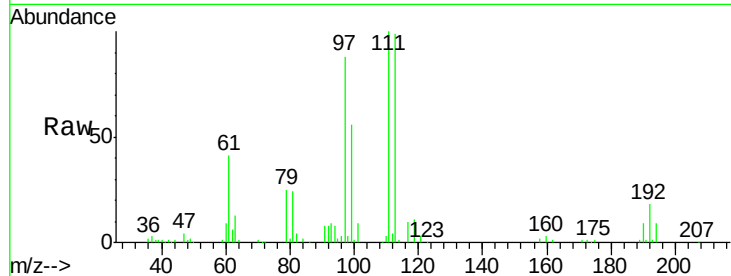
#35
Dibromofluoromethane
Concen: 51.036 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145114		
111	102.8	81.8	122.8	
192	18.8	14.2	21.2	

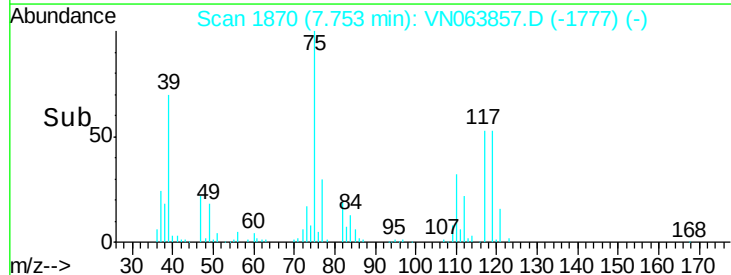
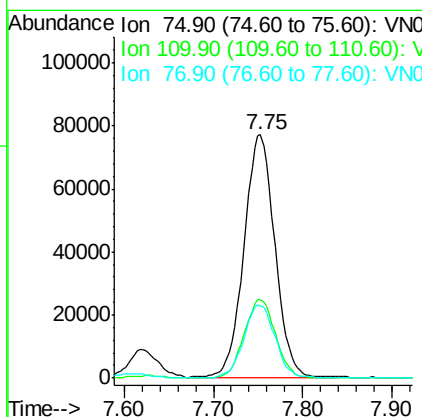
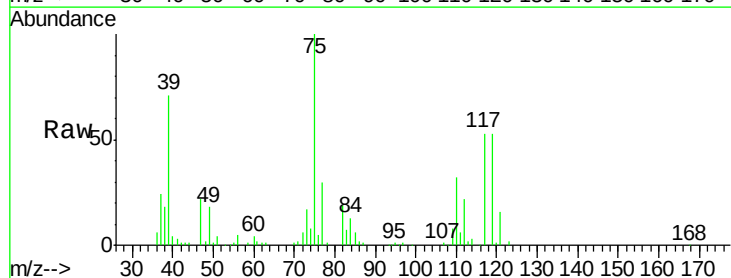
Manual Integrations
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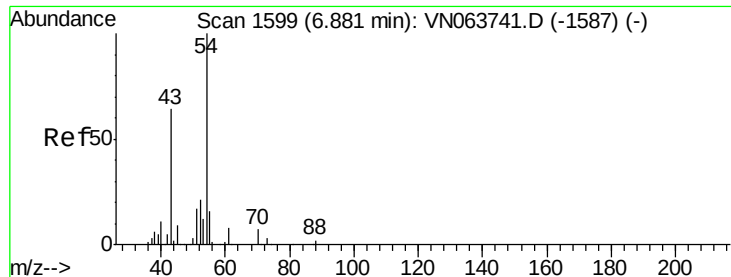
MMDadoda
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#36
1,1-Dichloropropene
Concen: 44.338 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184066		
110	33.2	16.9	50.6	
77	30.3	24.5	36.7	





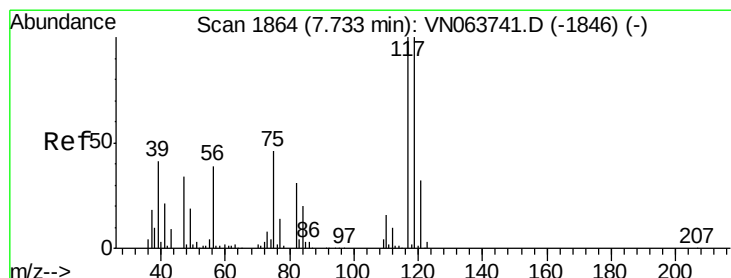
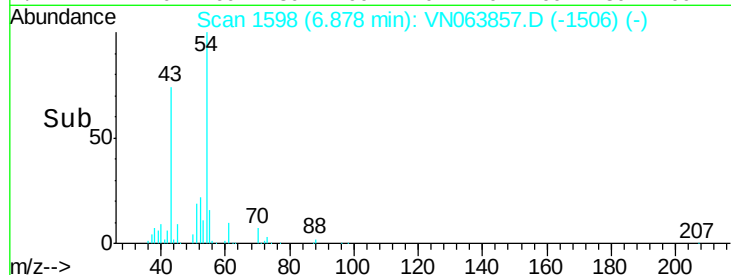
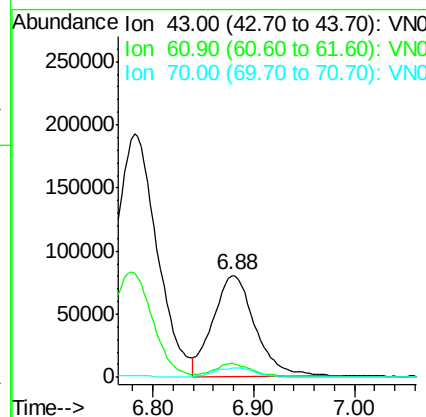
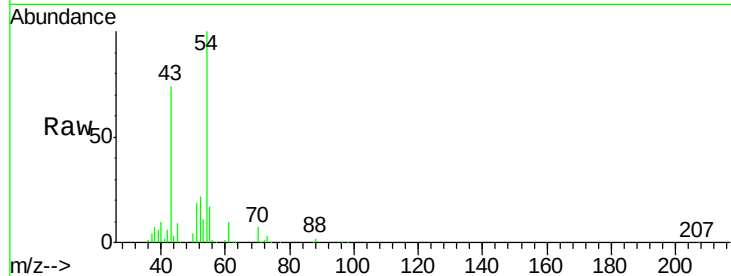
#37
Ethyl Acetate
Concen: 56.248 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.9	7.3	10.9

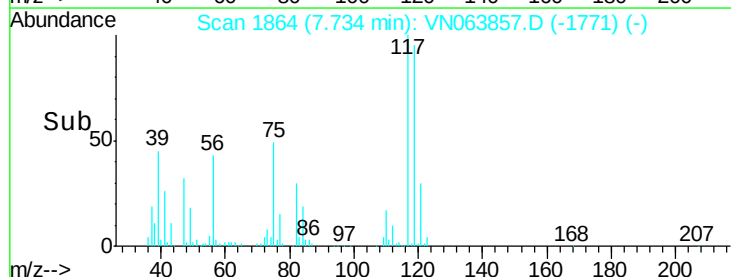
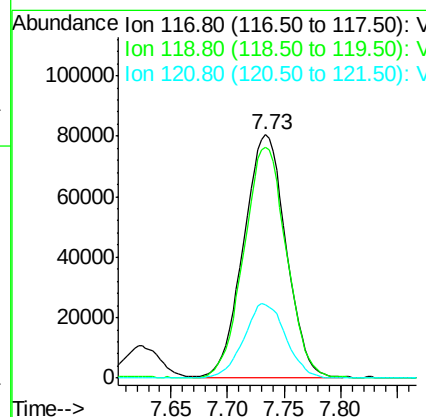
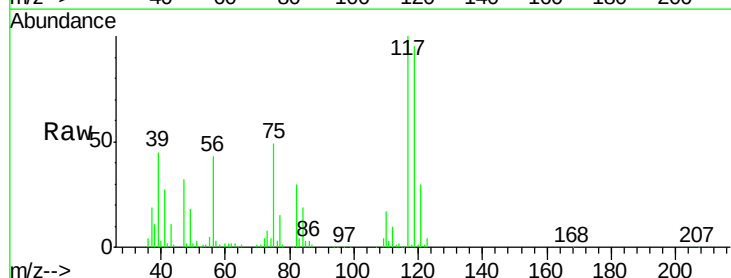
Manual Integrations
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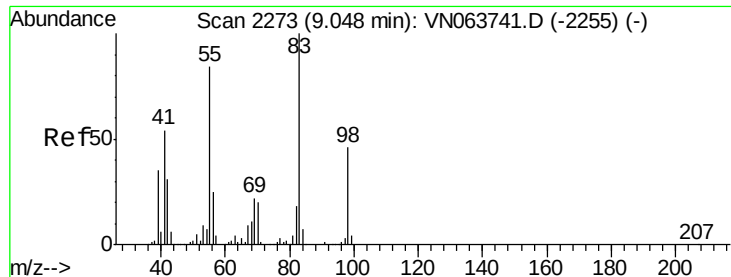
MMDadoda
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#38
Carbon Tetrachloride
Concen: 44.890 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	80.1	120.1
121	30.2	25.7	38.5





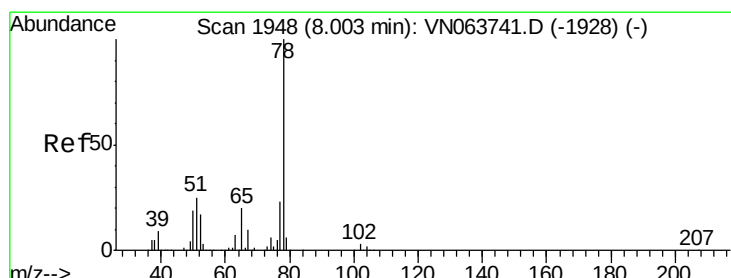
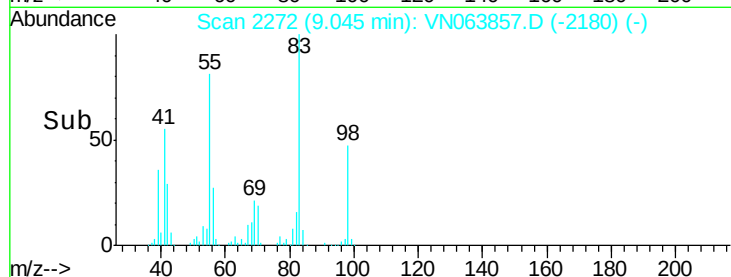
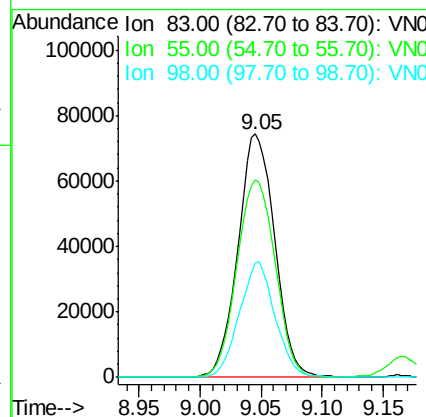
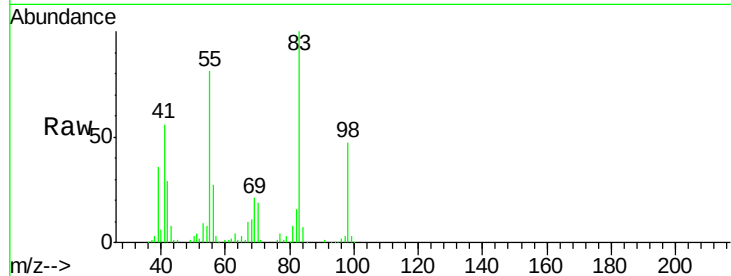
#39
Methylvlcyclohexane
Concen: 37.521 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	67.1	100.7
98	47.2	36.6	54.8

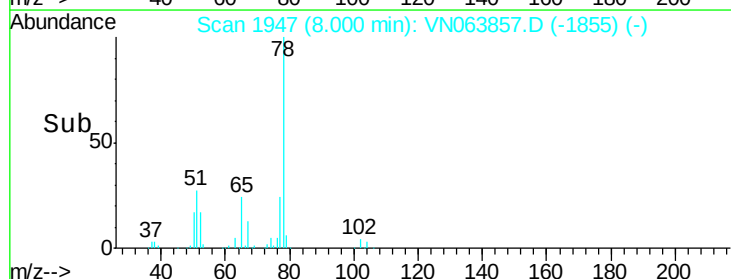
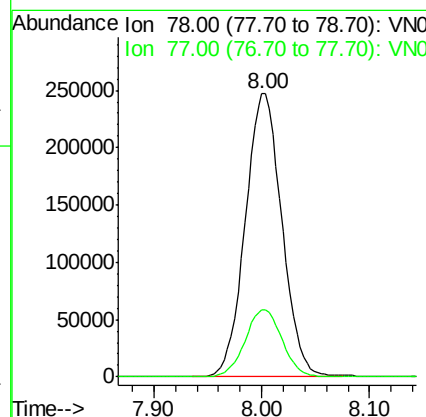
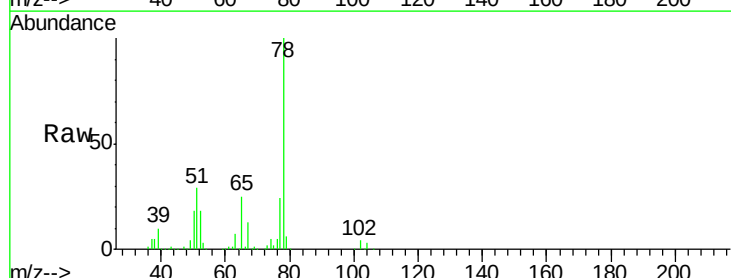
Manual Integrations
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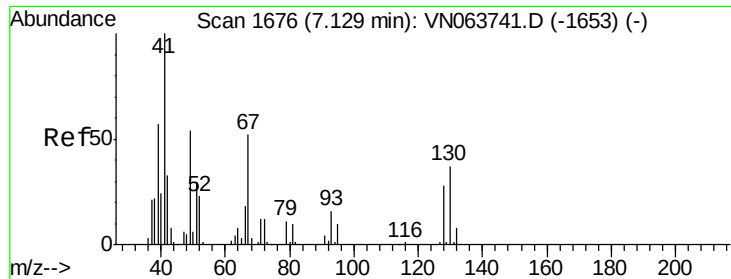
MMDadoda
10/5/2020 5:35:49 PM



#40
Benzene
Concen: 49.141 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





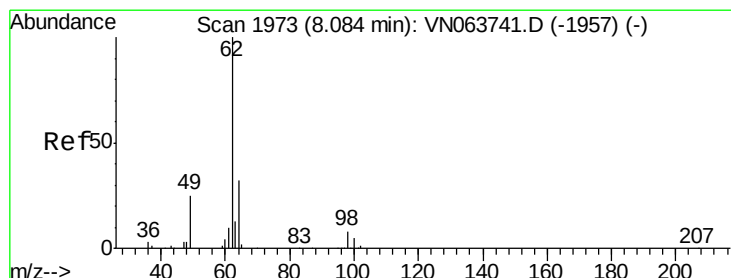
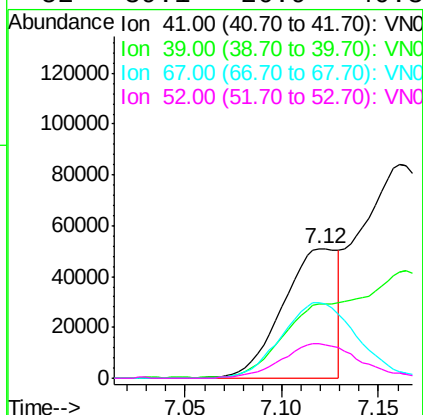
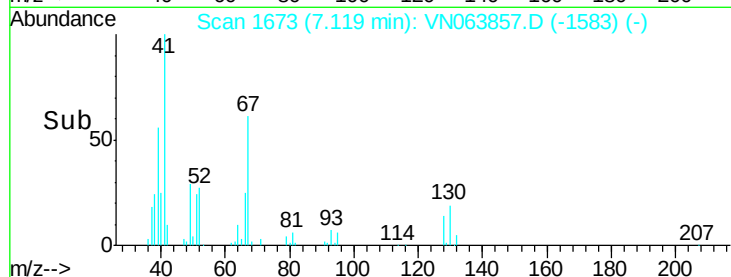
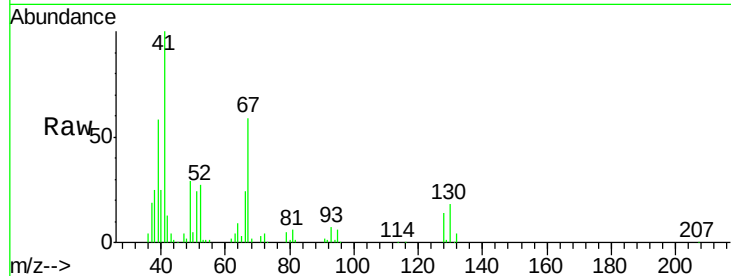
#41
Methacrylonitrile
Concen: 54.781 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	100419
Ion Ratio	Lower	Upper	
41	100		
39	0.0	42.5	63.7#
67	81.9	57.4	86.2
52	39.1	26.9	40.3

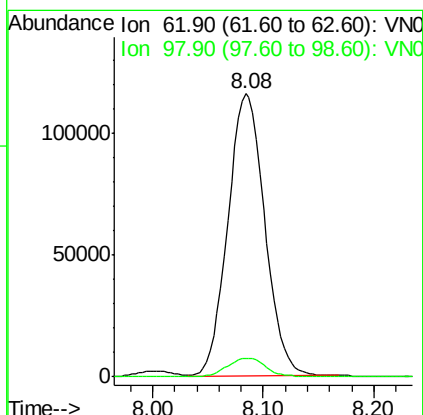
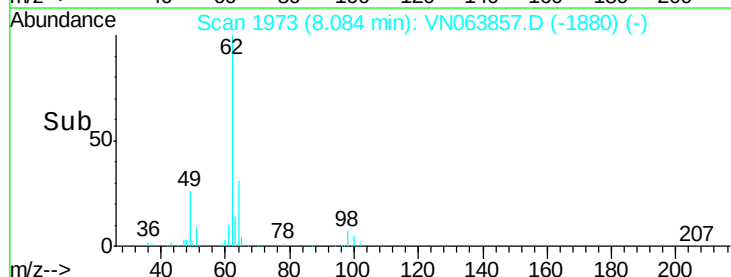
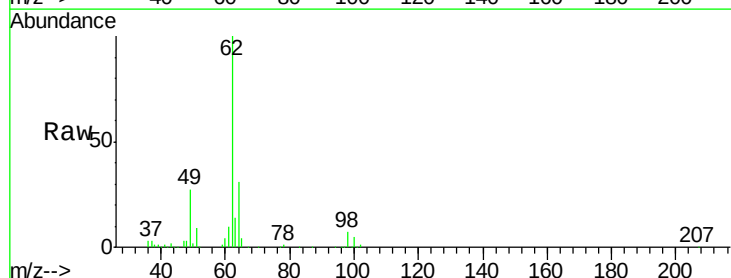
Manual Integrations
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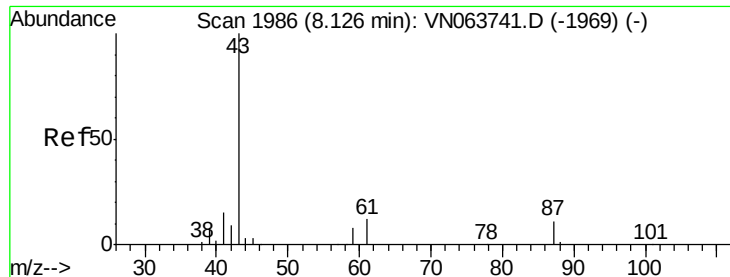
MMDadoda
10/5/2020 5:35:49 PM



#42
1,2-Dichloroethane
Concen: 53.170 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	62	Resp	269123
Ion Ratio	Lower	Upper	
62	100		
98	6.8	0.0	15.0





#43

Isopropyl Acetate

Concen: 57.703 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

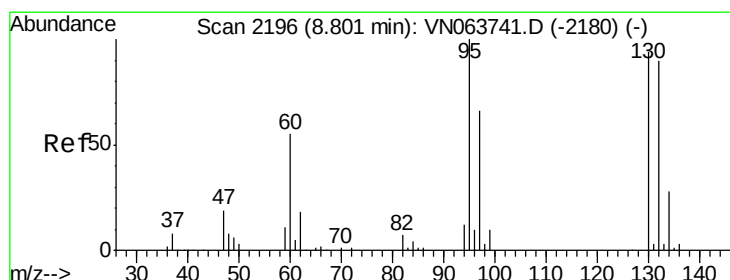
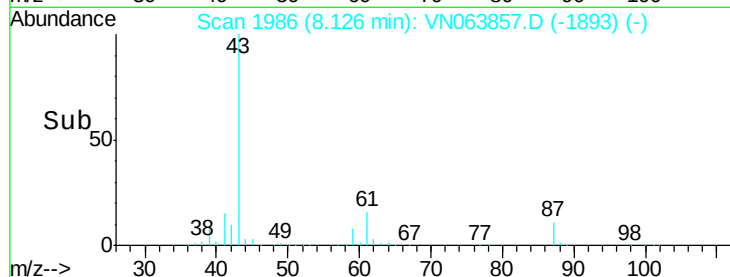
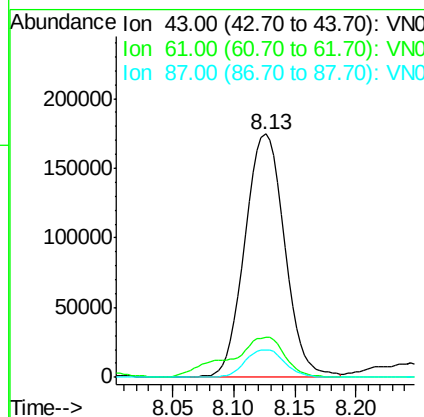
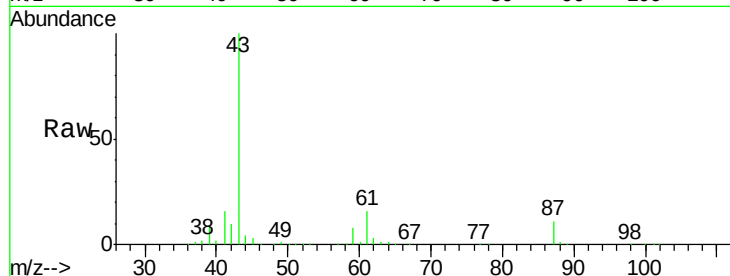
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	392564
Ion	Ratio	Lower	Upper
43	100		
61	22.8	14.2	21.4#
87	11.4	9.0	13.6

Manual Integrations
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10/5/2020 5:35:49 PM



#44

Trichloroethene

Concen: 45.829 ug/l

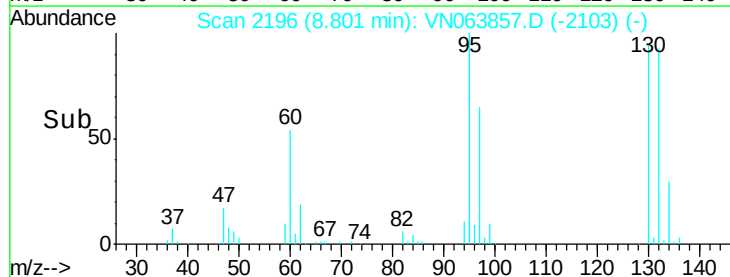
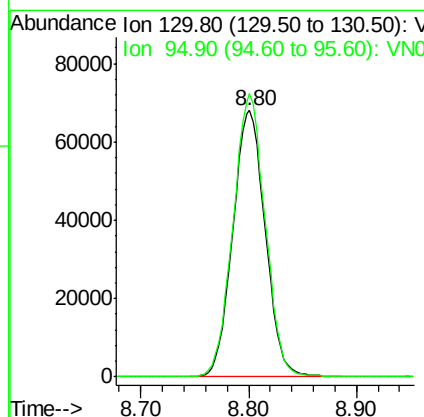
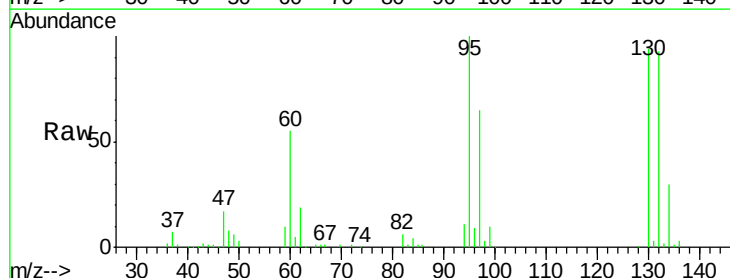
RT: 8.80 min Scan# 2196

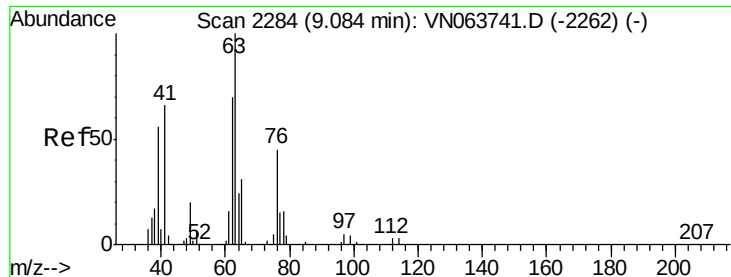
Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	130	Resp:	142384
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	213.6





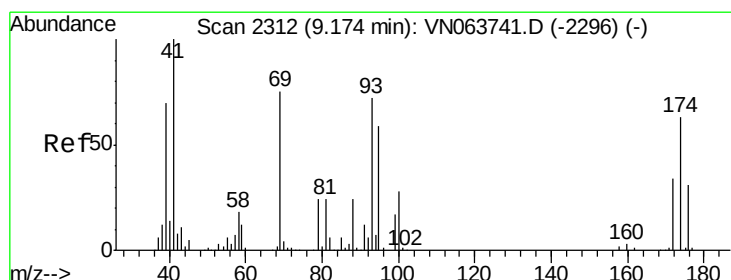
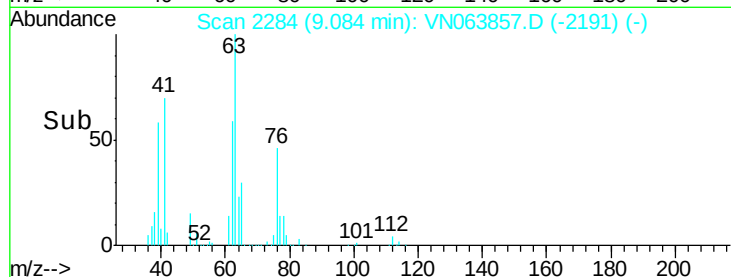
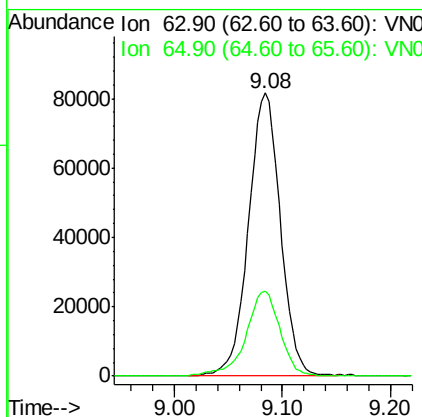
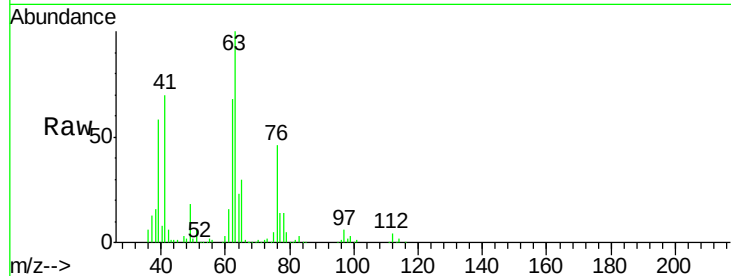
#45
 1,2-Dichloropropane
 Concen: 52.337 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 167601
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1

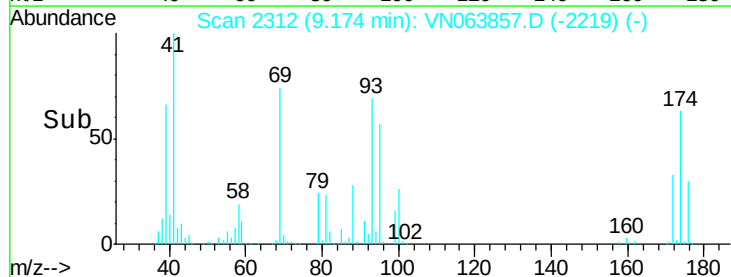
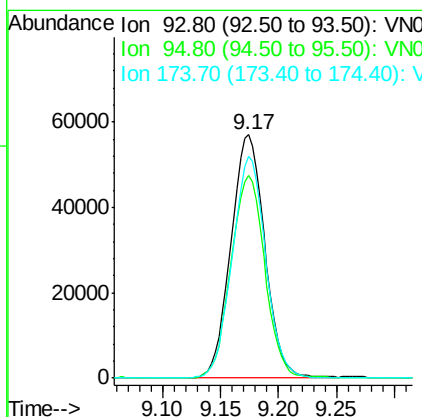
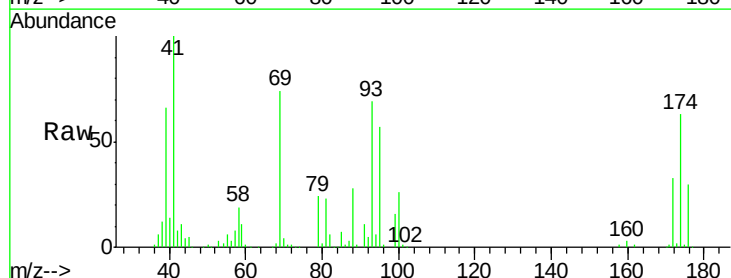
Manual Integrations
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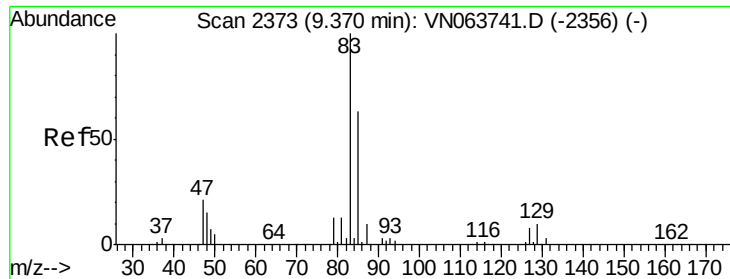
MMDadoda
 10/5/2020 5:35:49 PM



#46
 Dibromomethane
 Concen: 52.275 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion: 93 Resp: 115483
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.3 99.5
 174 89.7 72.7 109.1





#47

Bromodichloromethane

Concen: 52.815 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

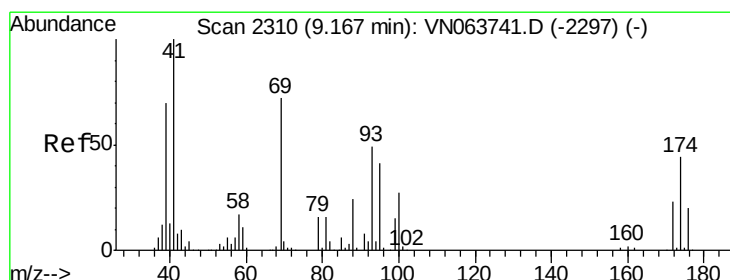
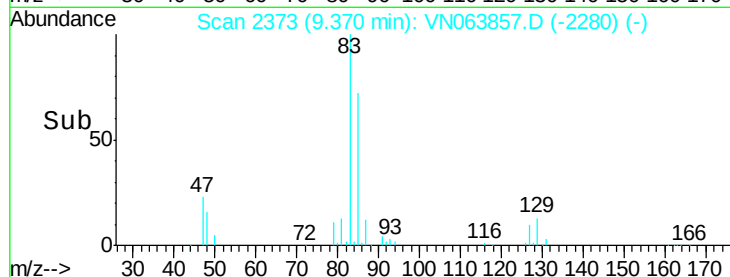
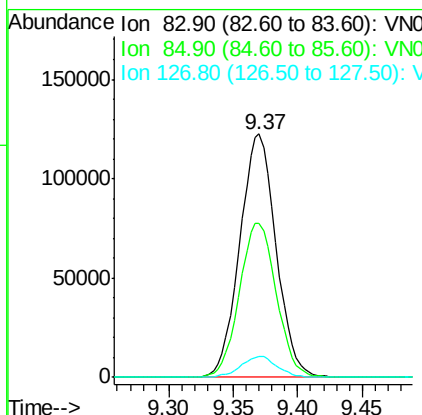
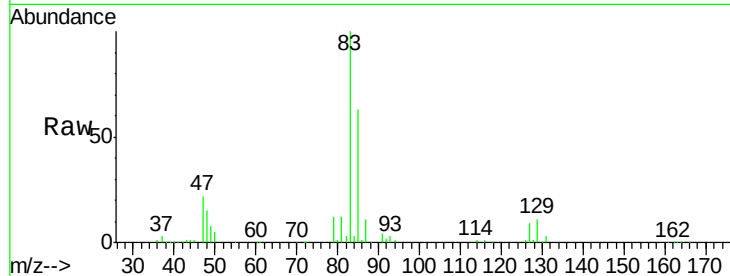
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	240460
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.6	75.8
127	8.5	6.6	9.8

Manual Integrations
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10/5/2020 5:35:49 PM



#48

Methyl methacrylate

Concen: 60.357 ug/l

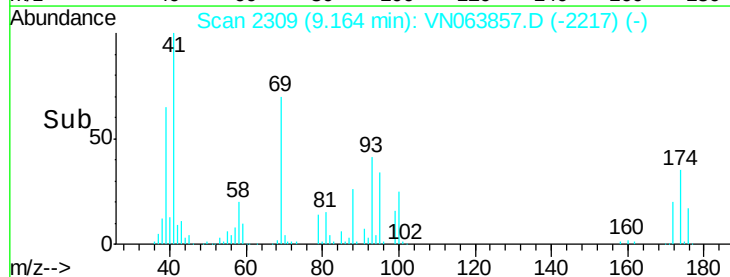
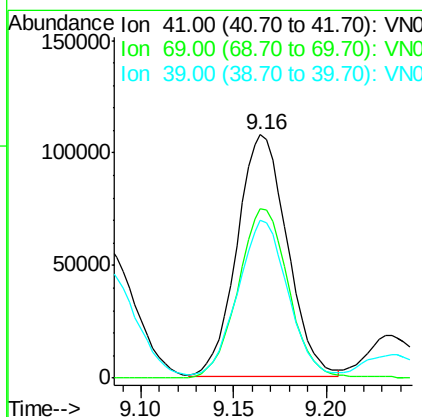
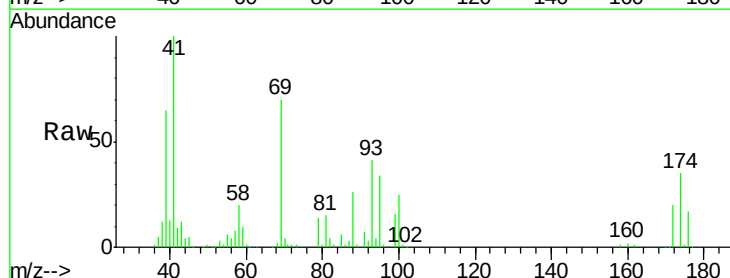
RT: 9.16 min Scan# 2309

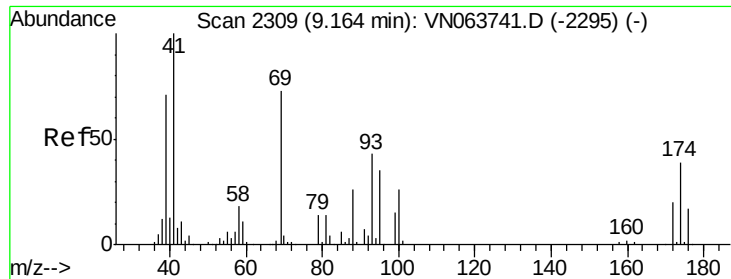
Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	41	Resp:	202871
Ion Ratio	Lower	Upper	
41	100		
69	70.7	60.9	91.3
39	64.5	57.5	86.3





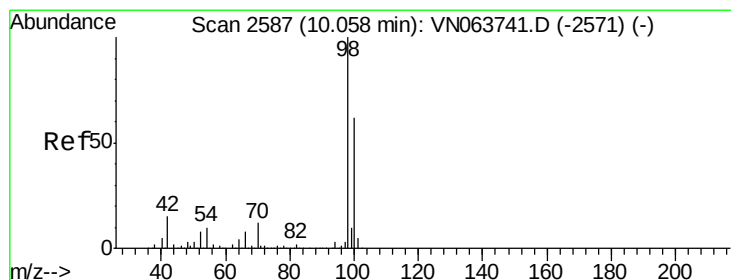
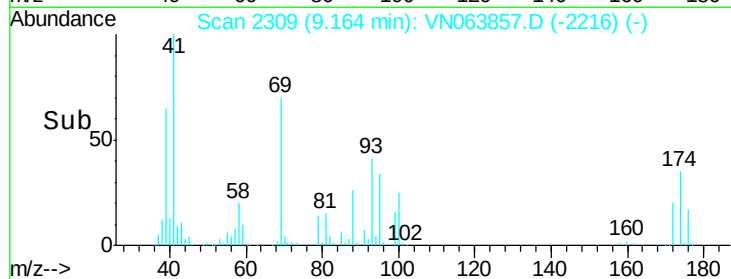
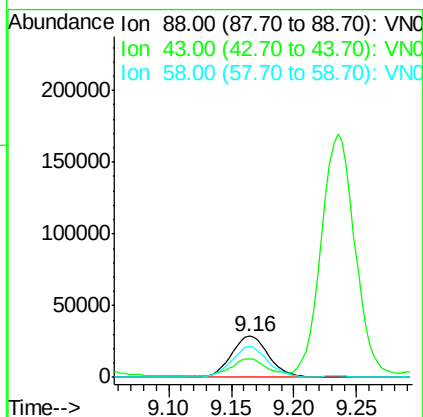
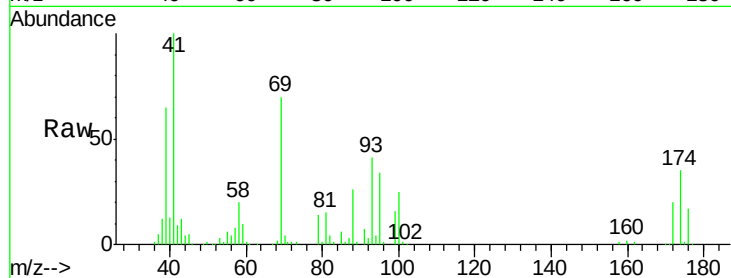
#49
1,4-Dioxane
Concen: 1246.491 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	33.1	49.7
58	72.2	58.9	88.3

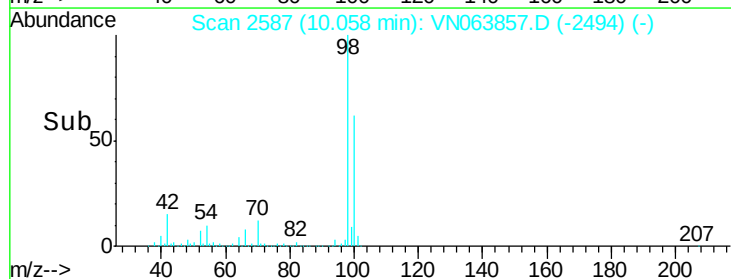
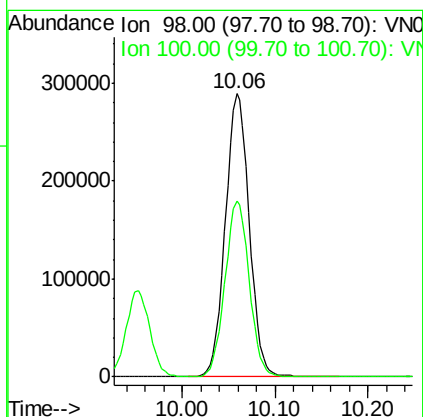
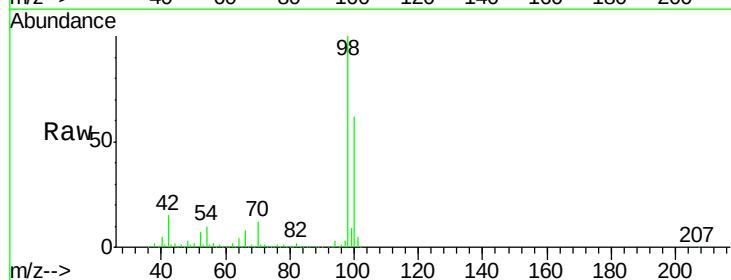
Manual Integrations
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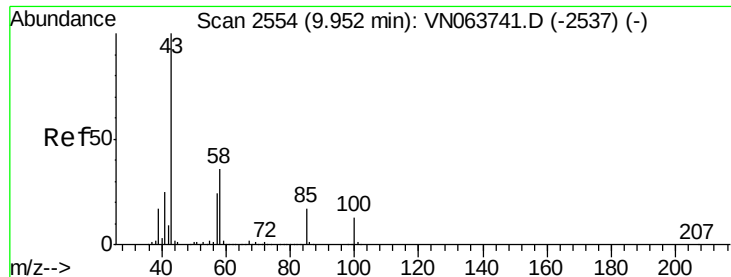
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#50
Toluene-d8
Concen: 47.927 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	49.8	74.6





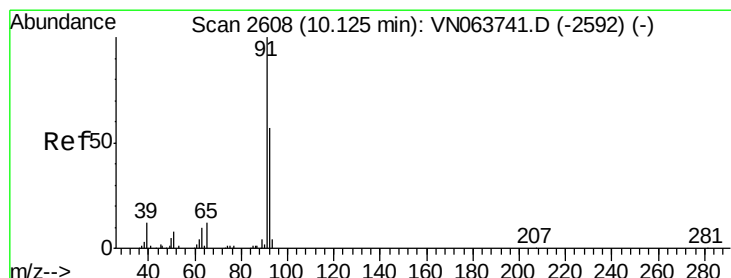
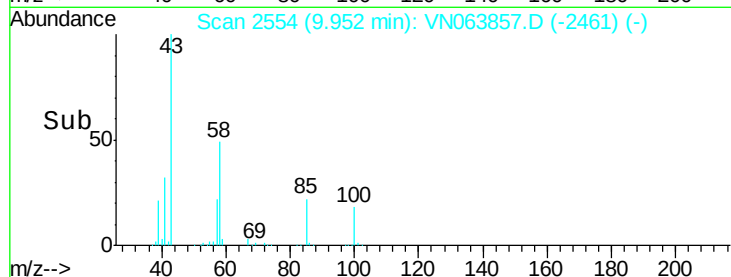
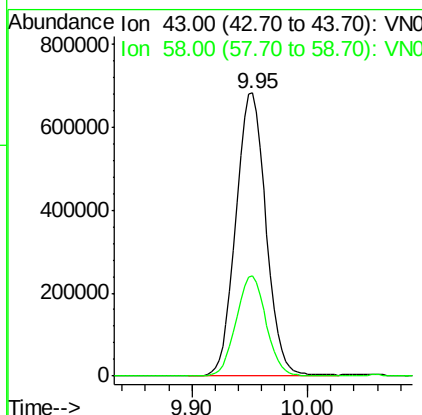
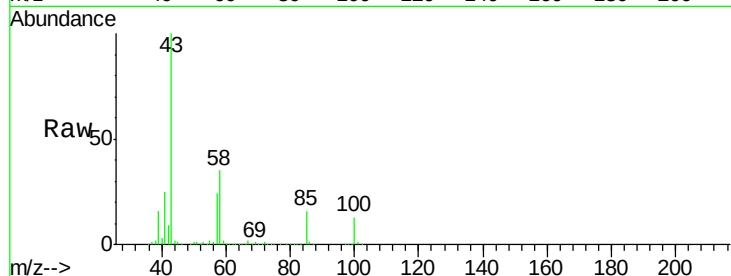
#51
4-Methyl-2-Pentanone
Concen: 306.930 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1225394
Ion Ratio Lower Upper
43 100
58 35.2 28.4 42.6

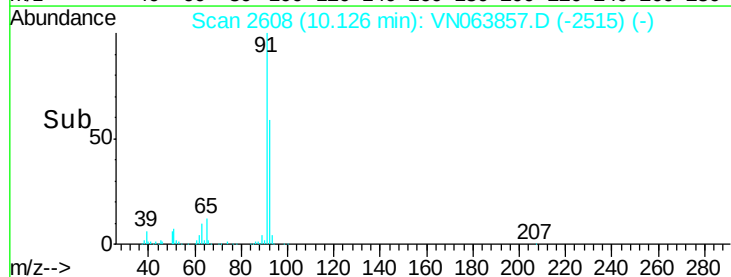
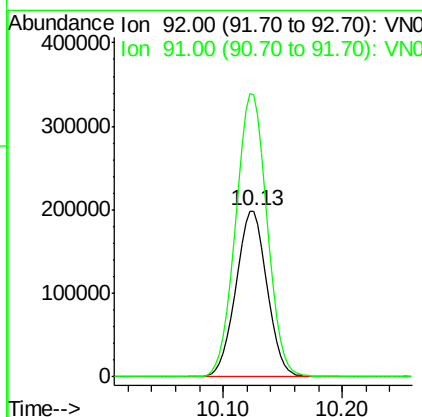
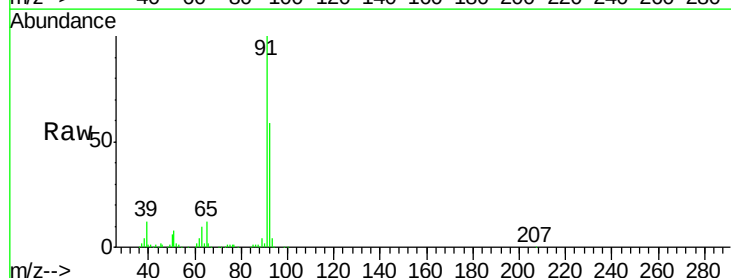
Manual Integrations
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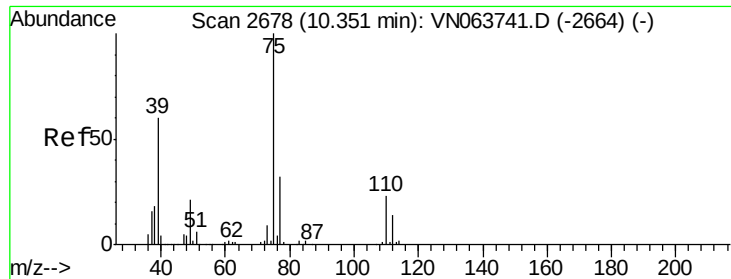
MMDadoda
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#52
Toluene
Concen: 49.216 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion: 92 Resp: 360969
Ion Ratio Lower Upper
92 100
91 172.2 140.6 210.8





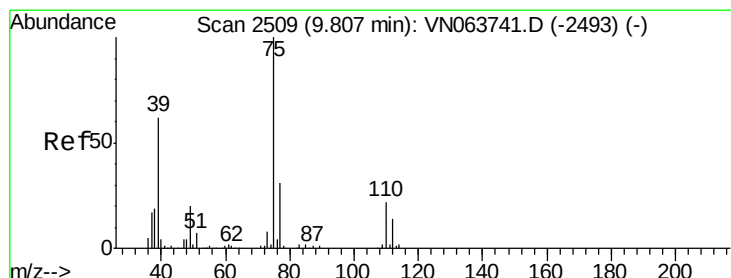
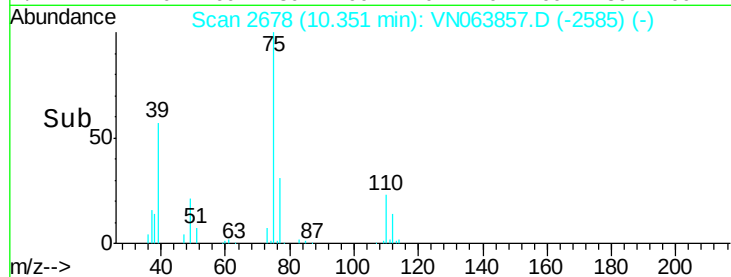
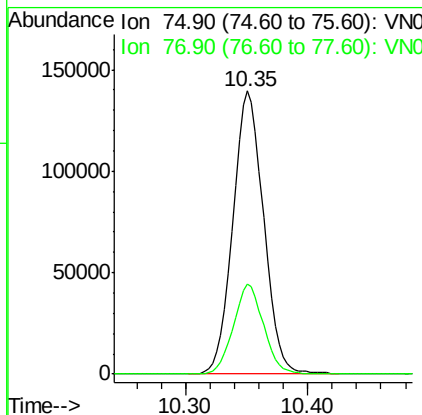
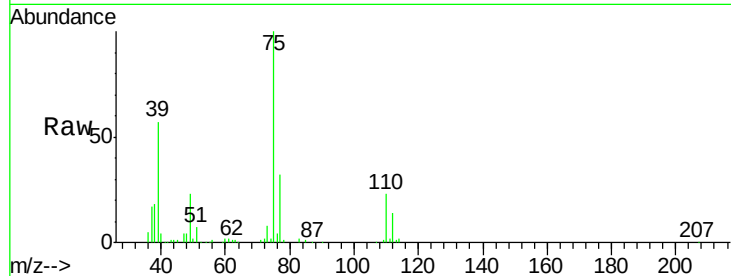
#53
t-1,3-Dichloropropene
Concen: 49.970 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 243874
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9

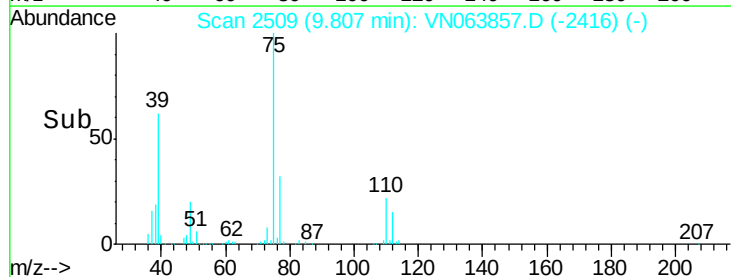
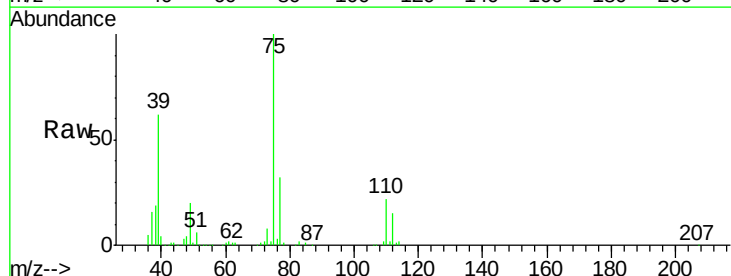
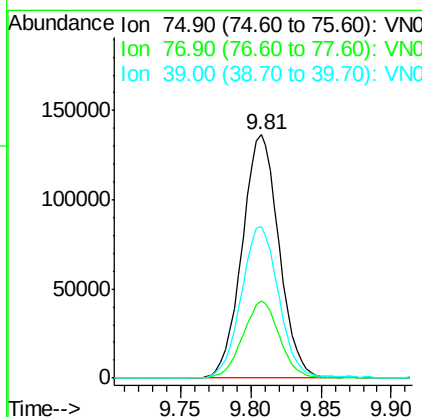
Manual Integrations
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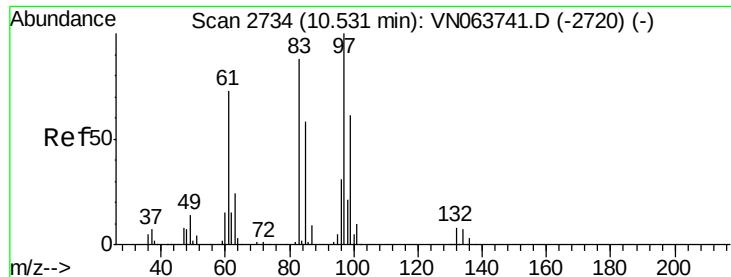
MMDadoda
10/5/2020 5:35:49 PM



#54
cis-1,3-Dichloropropene
Concen: 48.971 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion: 75 Resp: 249950
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 61.9 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 54.050 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 158978

Ion Ratio Lower Upper

97 100

83 87.5 70.7 106.1

85 54.7 46.1 69.1

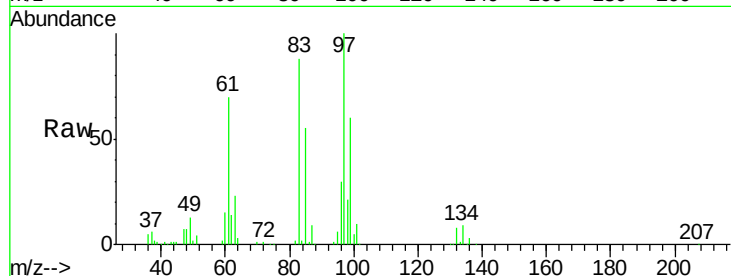
99 59.7 48.8 73.2

Manual Integrations

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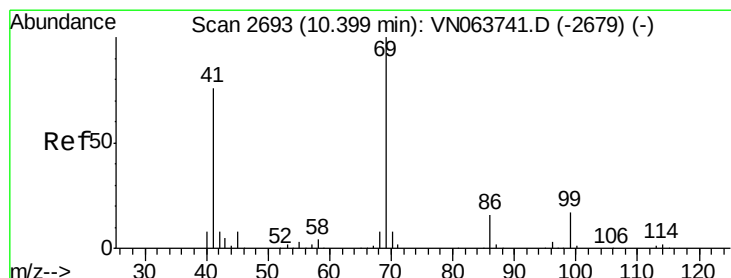
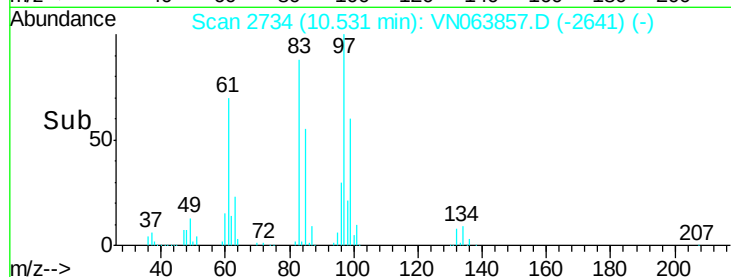
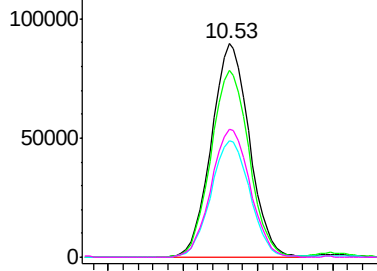


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.496 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

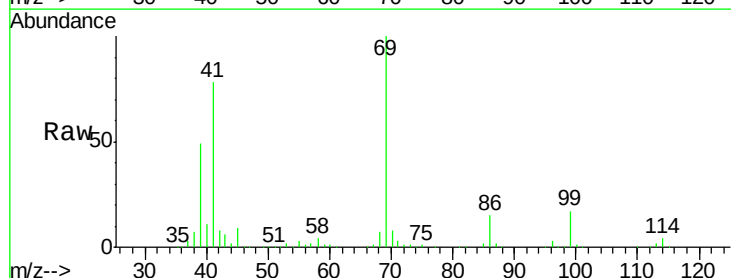
Tgt Ion: 69 Resp: 239710

Ion Ratio Lower Upper

69 100

41 78.0 61.1 91.7

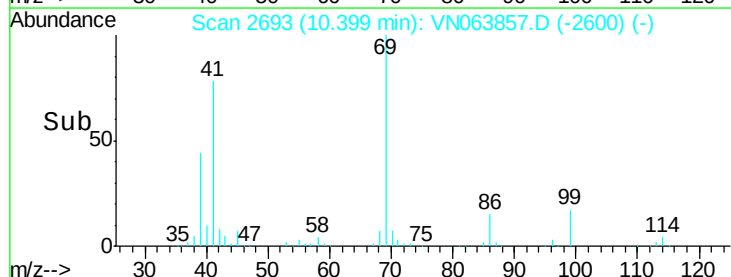
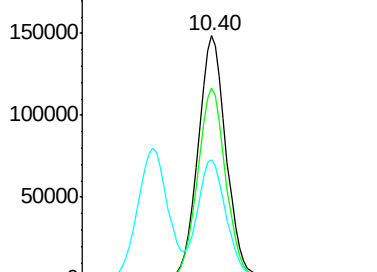
39 50.0 42.2 63.4

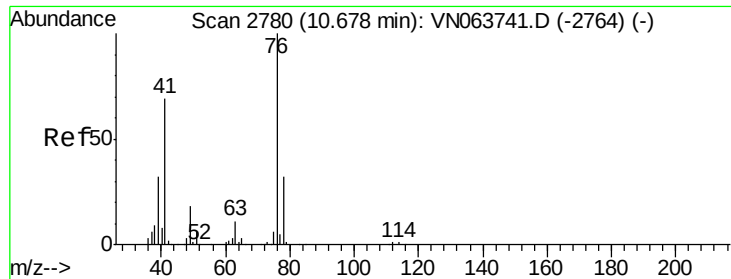


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





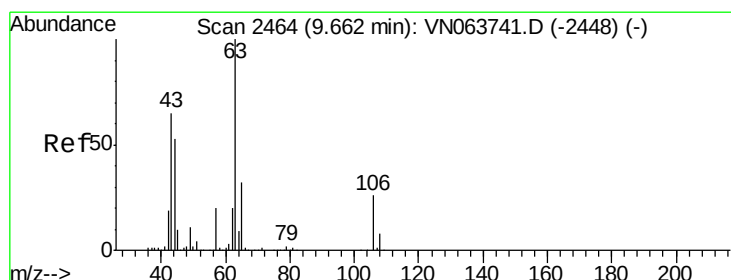
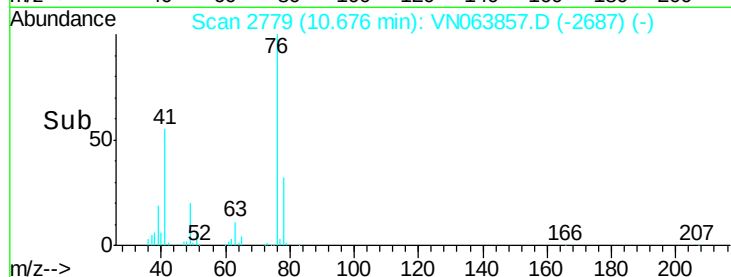
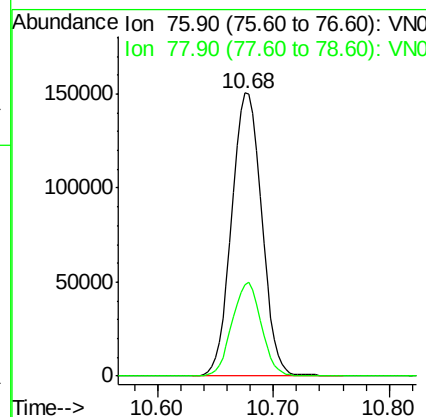
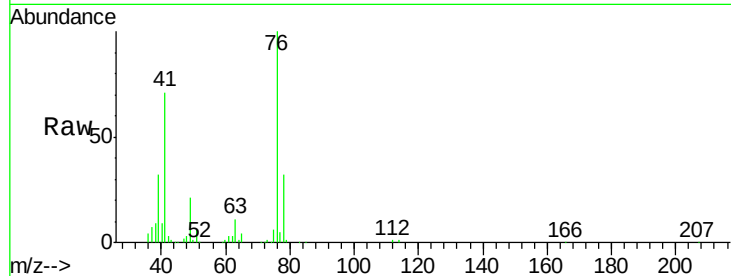
#57
 1,3-Dichloropropane
 Concen: 54.476 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.2	37.8

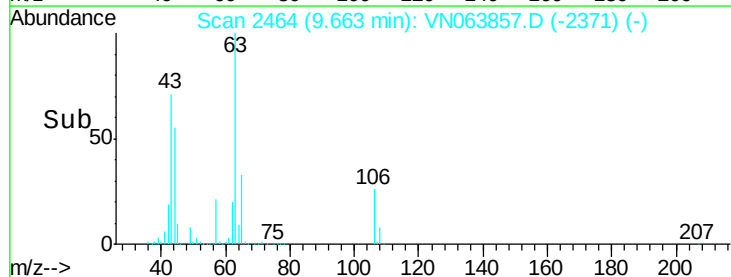
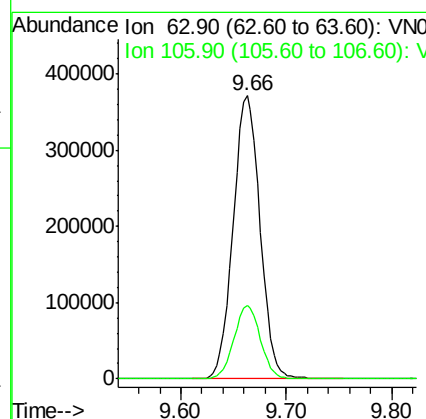
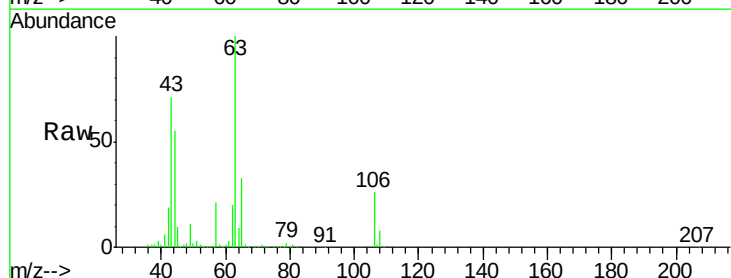
Manual Integrations
 APPROVED

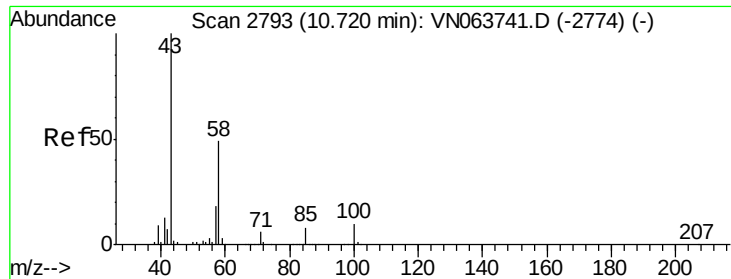
MMDadoda
 10/5/2020 5:35:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.080 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	20.7	31.1





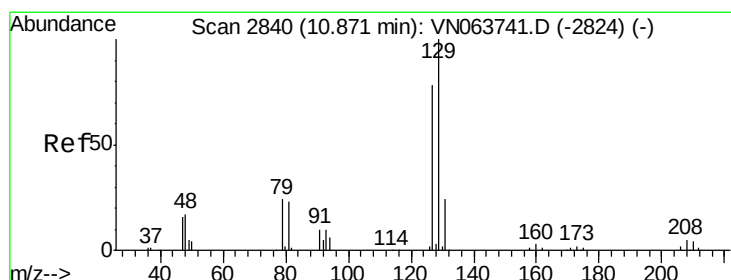
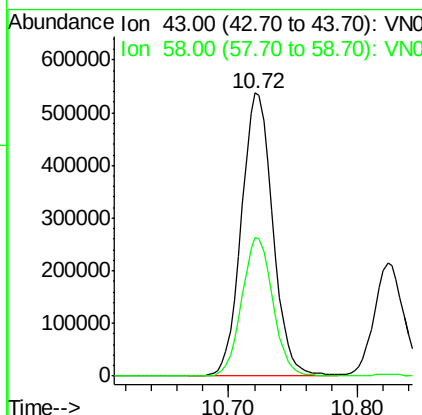
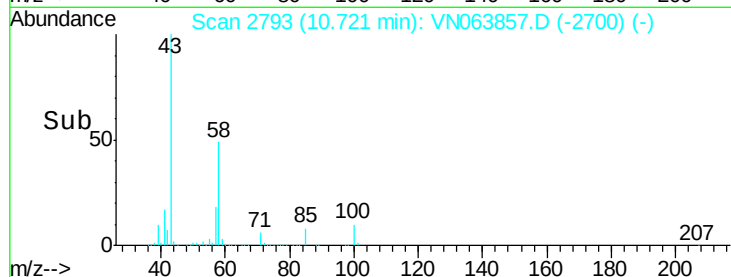
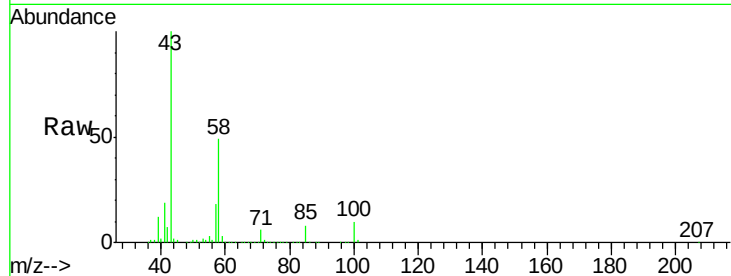
#59
2-Hexanone
Concen: 305.981 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 907484
Ion Ratio Lower Upper
43 100
58 48.8 24.6 73.8

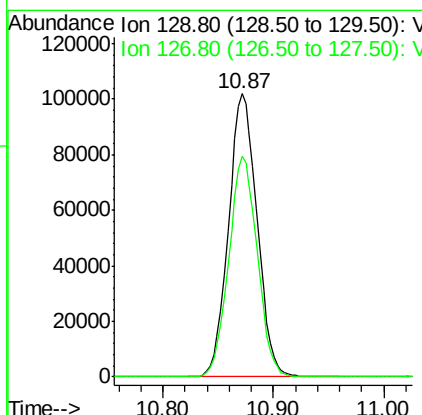
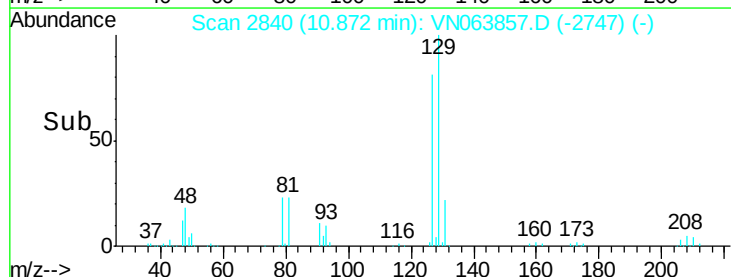
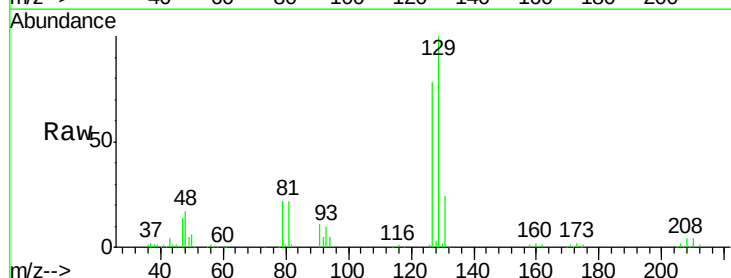
Manual Integrations
APPROVED

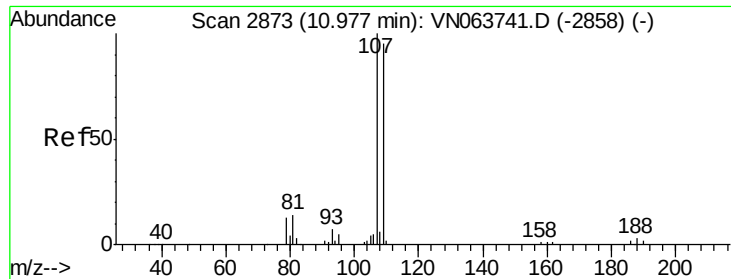
MMDadoda
10/5/2020 5:35:49 PM



#60
Dibromochloromethane
Concen: 53.390 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion: 129 Resp: 182881
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





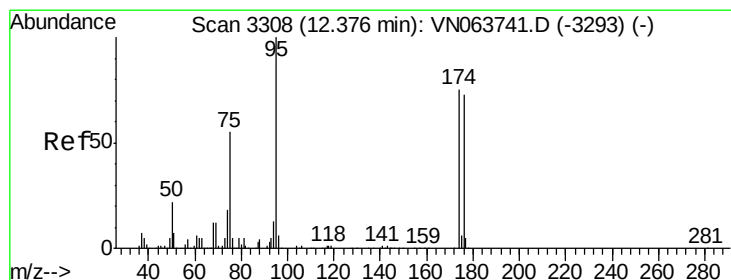
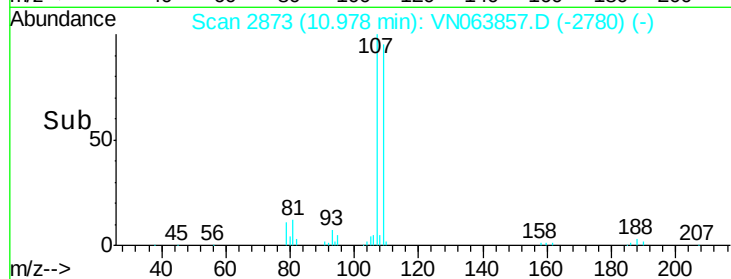
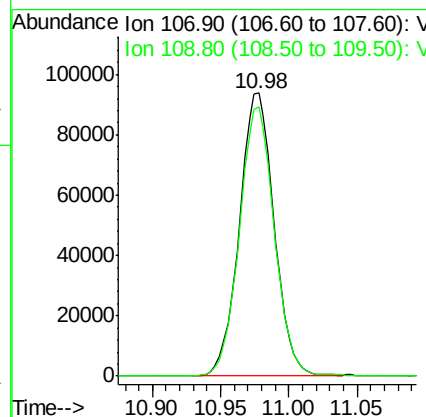
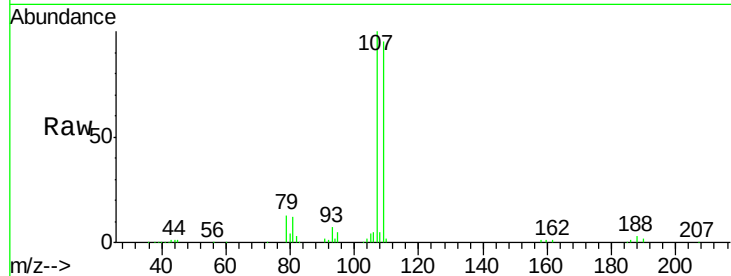
#61
 1,2-Dibromoethane
 Concen: 55.041 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	74.8	112.2

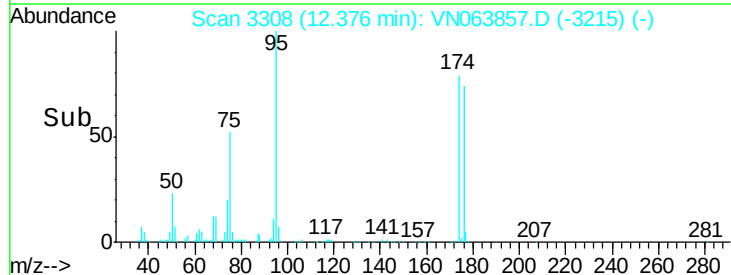
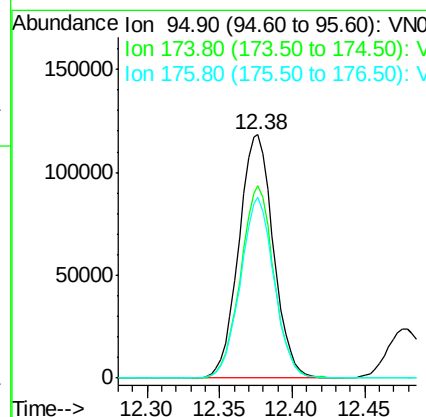
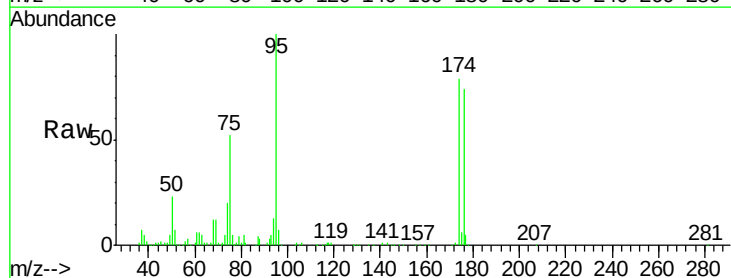
Manual Integrations
 APPROVED

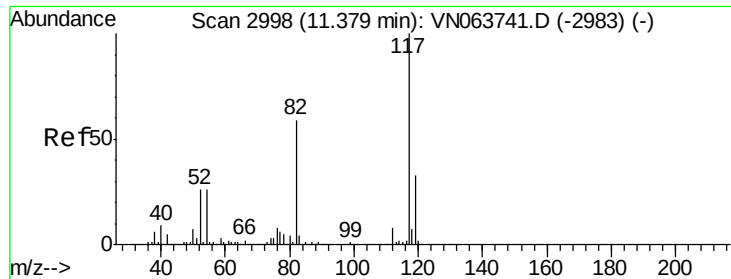
MMDadoda
 10/5/2020 5:35:49 PM



#62
 4-Bromofluorobenzene
 Concen: 48.324 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.6
176	72.3	0.0	145.4





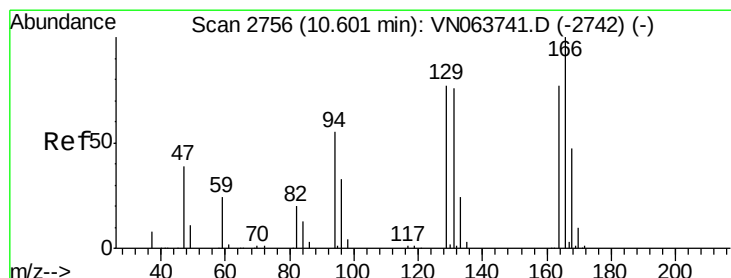
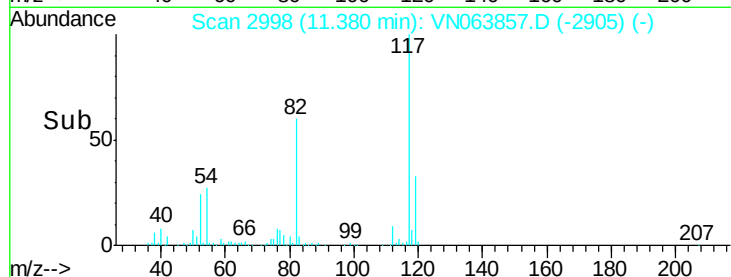
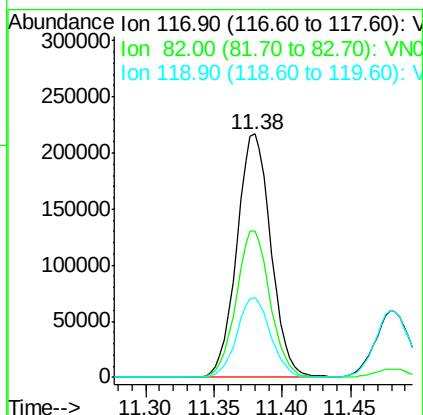
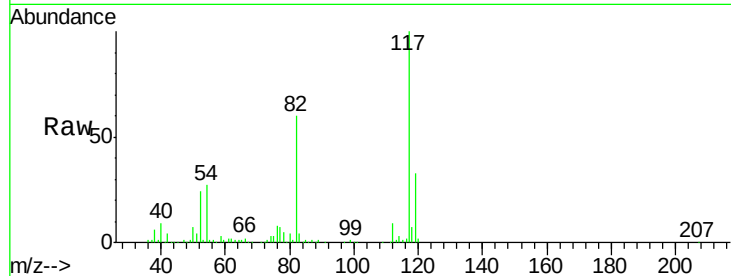
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	376820		
82	60.3	47.4	71.2	
119	32.8	26.4	39.6	

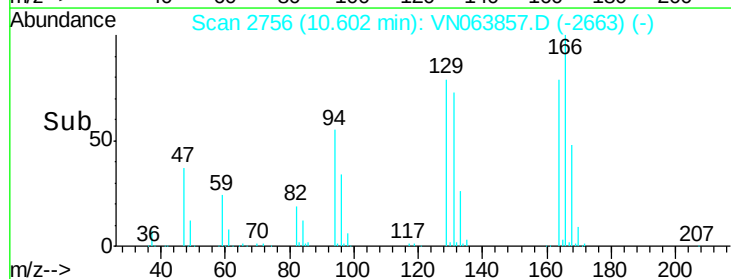
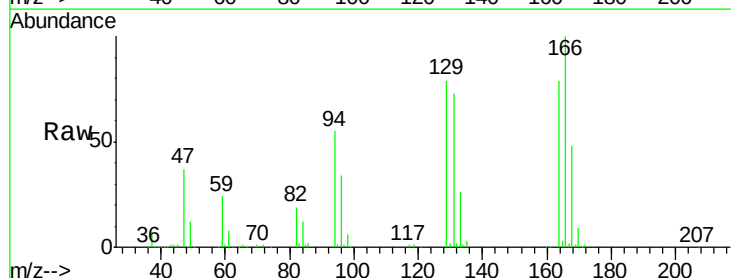
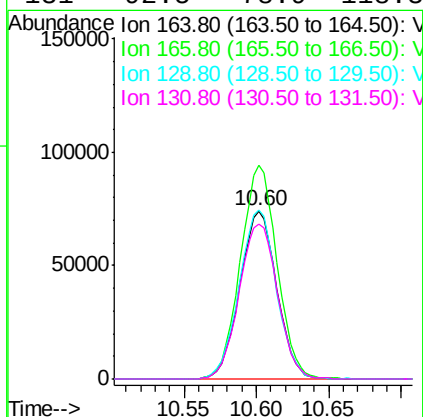
Manual Integrations
APPROVED

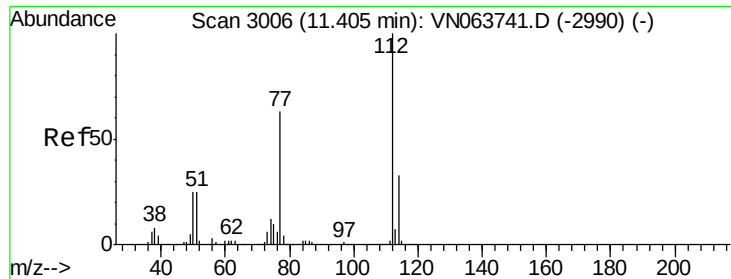
MMDadoda
10/5/2020 5:35:49 PM



#64
Tetrachloroethene
Concen: 44.937 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131006		
166	127.4	103.9	155.9	
129	101.1	80.3	120.5	
131	92.5	78.9	118.3	





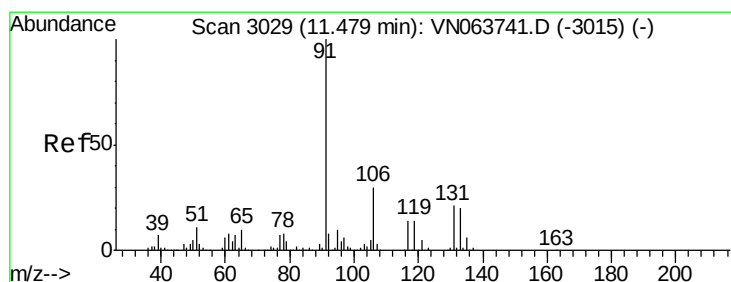
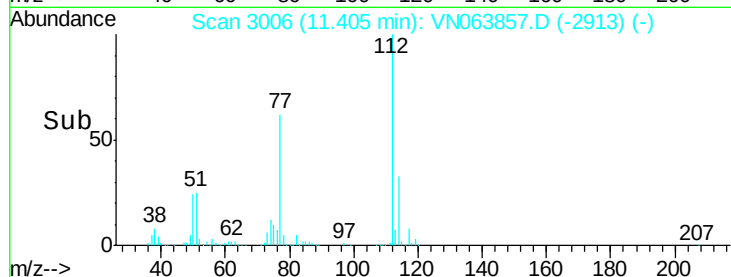
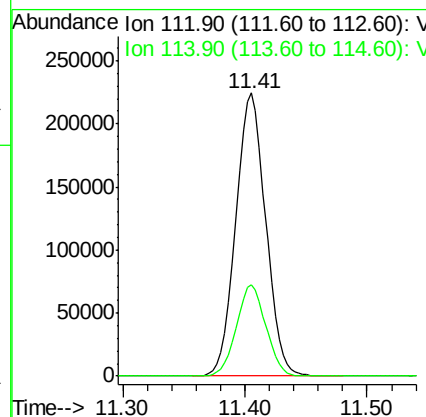
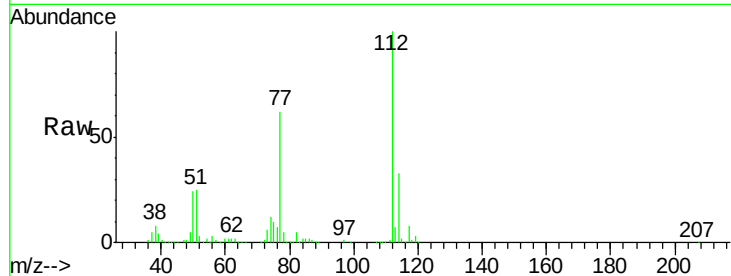
#65
Chlorobenzene
Concen: 49.549 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	383001		
114	32.5	26.1	39.1	

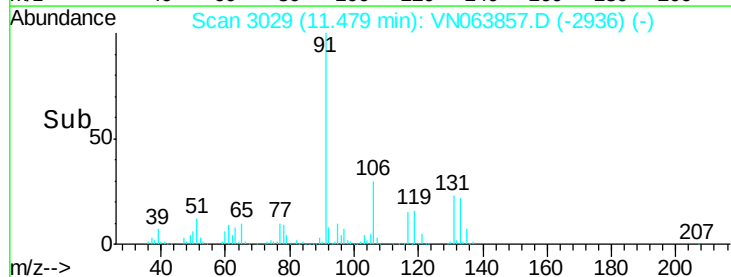
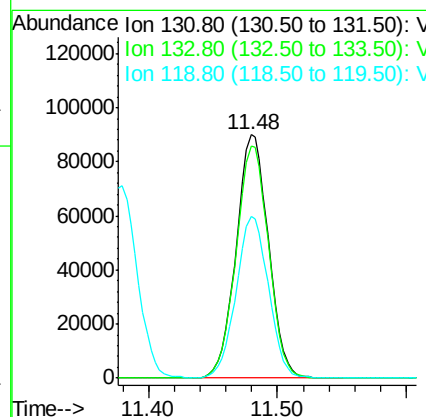
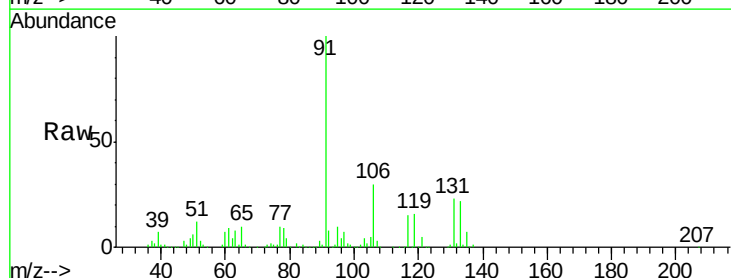
Manual Integrations
APPROVED

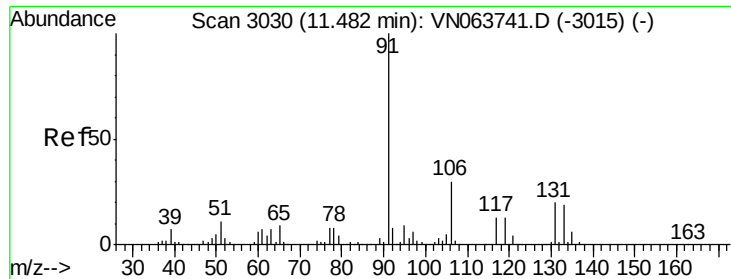
MMDadoda
10/5/2020 5:35:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.829 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	156553		
133	96.0	47.3	141.8	
119	66.0	32.6	97.7	





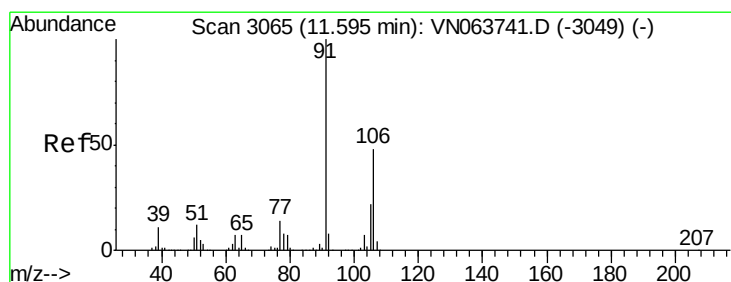
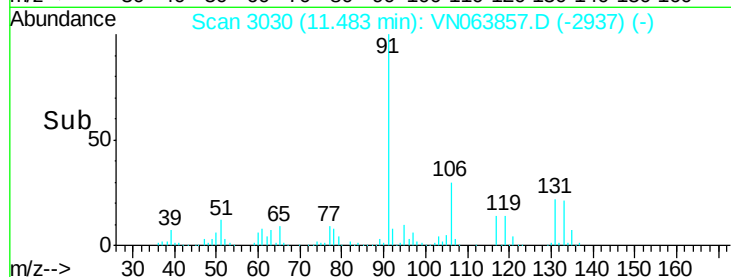
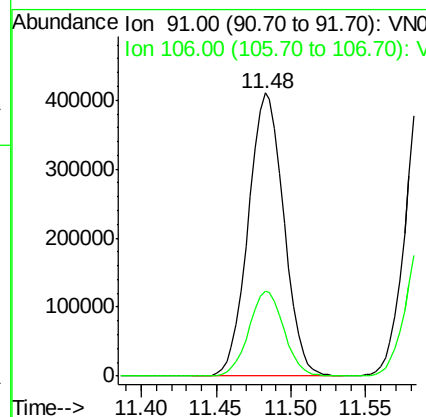
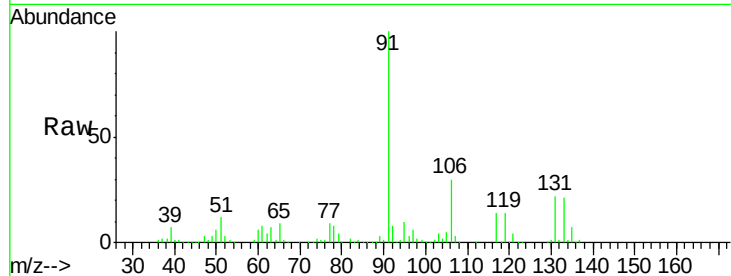
#67
Ethyl Benzene
Concen: 48.267 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 678896
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

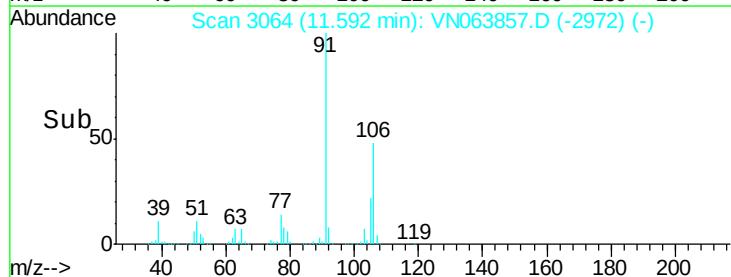
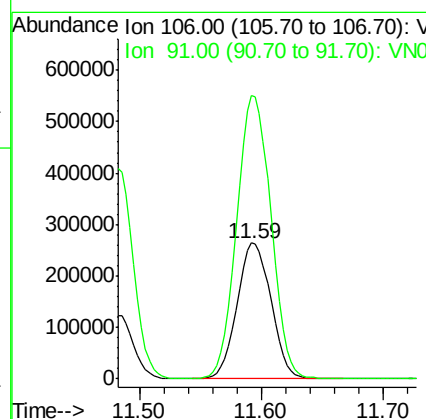
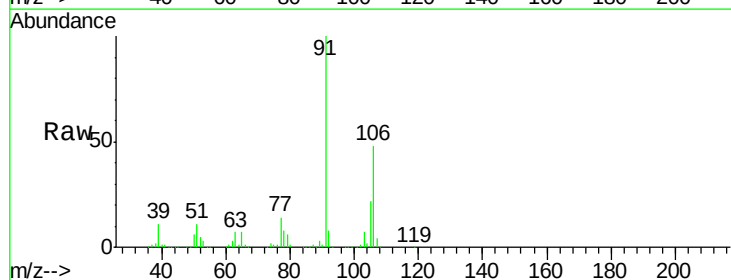
Manual Integrations
APPROVED

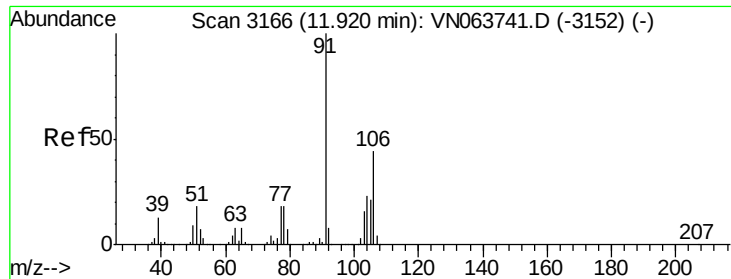
MMDadoda
10/5/2020 5:35:49 PM



#68
m/p-Xylenes
Concen: 96.734 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion: 106 Resp: 507091
Ion Ratio Lower Upper
106 100
91 210.8 168.0 252.0





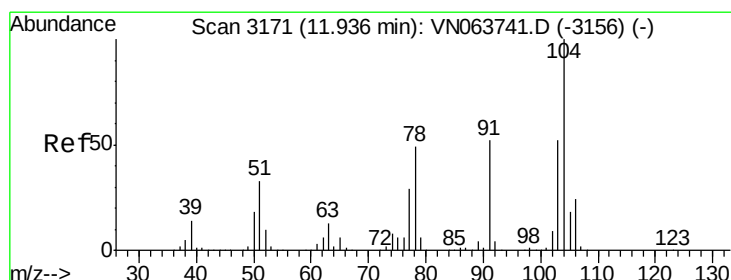
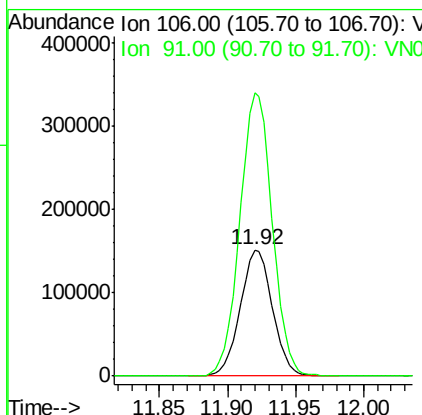
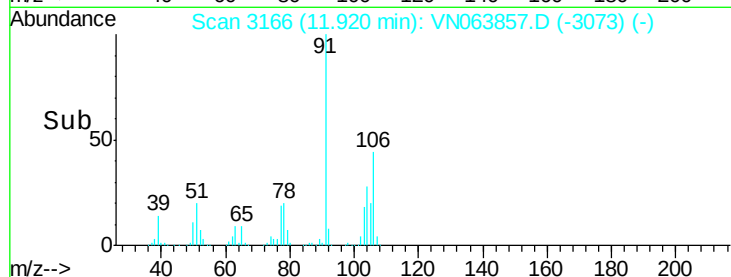
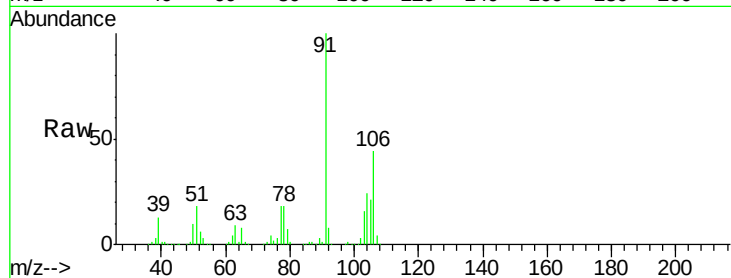
#69
o-Xylene
Concen: 50.502 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		247442		
91	226.7	112.7	338.0		

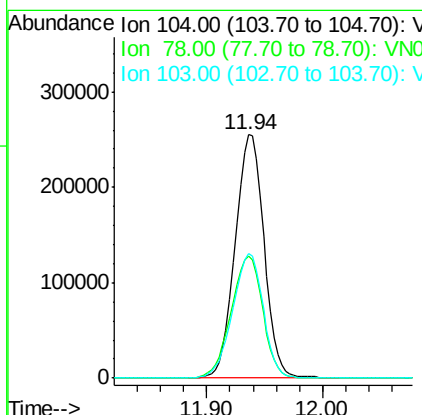
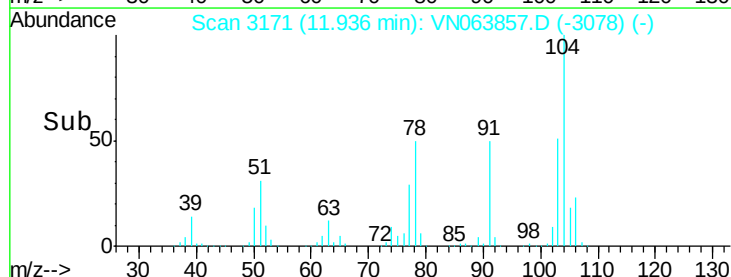
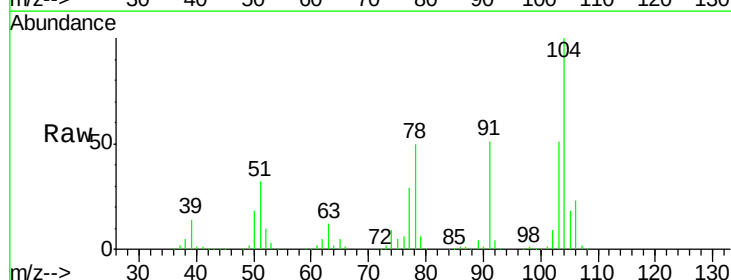
Manual Integrations
APPROVED

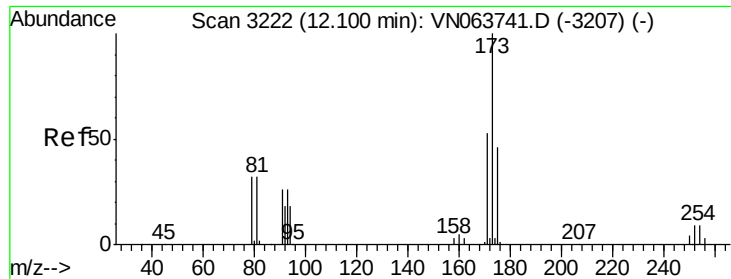
MMDadoda
10/5/2020 5:35:49 PM



#70
Styrene
Concen: 52.976 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		440604		
78	54.8	44.1	66.1		
103	54.2	44.3	66.5		





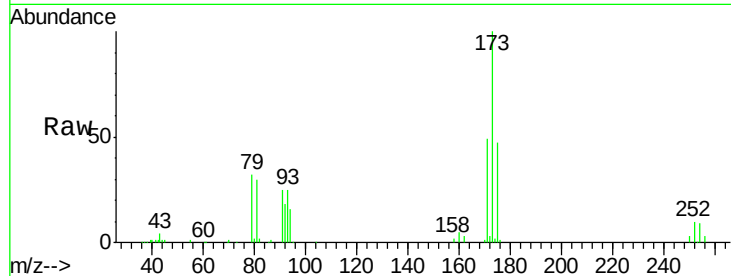
#71
Bromoform
Concen: 56.470 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
10/5/2020 5:35:49 PM

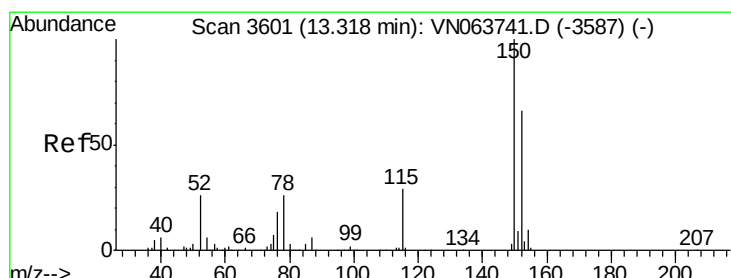
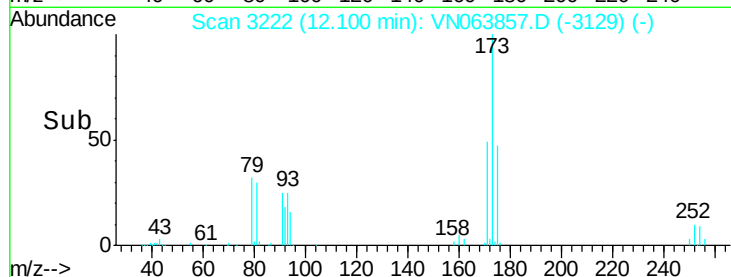
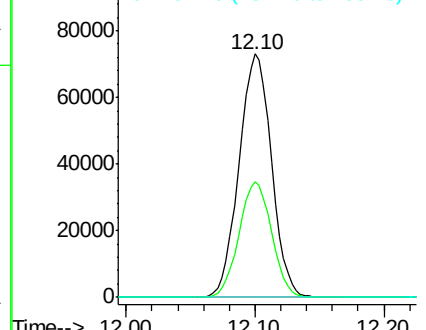


Abundance

Ion 172.70 (172.40 to 173.40): V

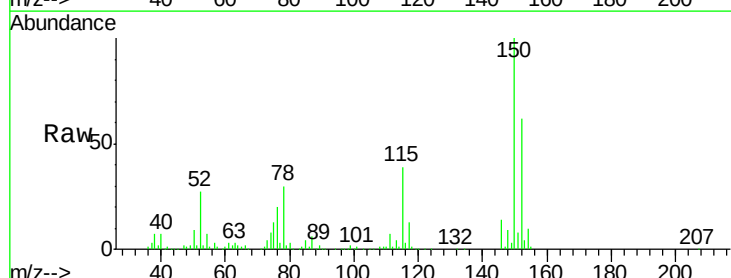
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.3	93.8
150	175.1	0.0	341.8

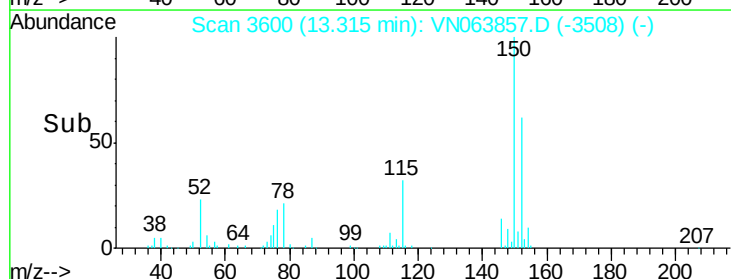
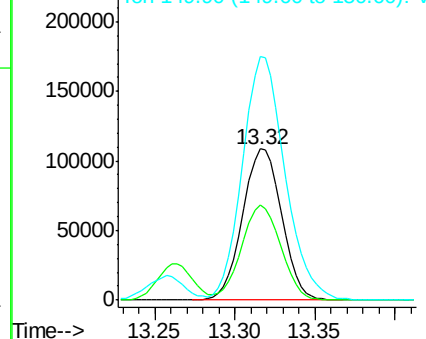


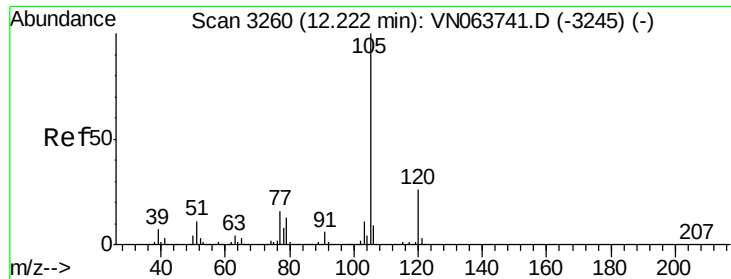
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





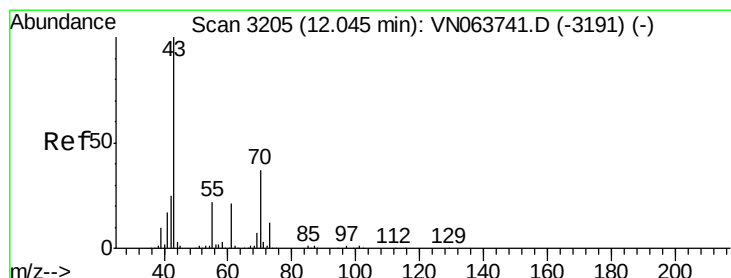
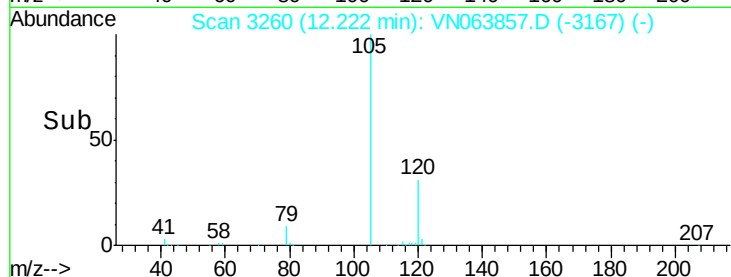
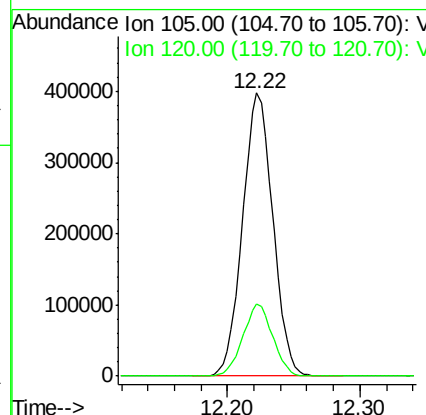
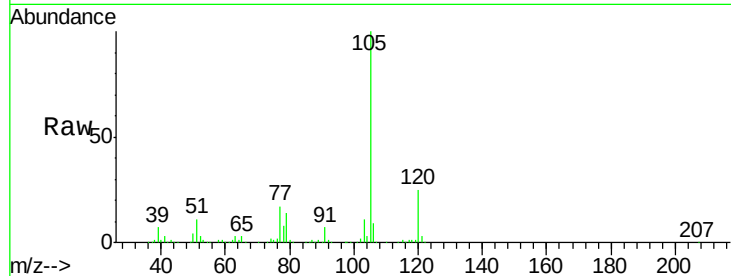
#73
Isopropylbenzene
Concen: 47.573 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.8

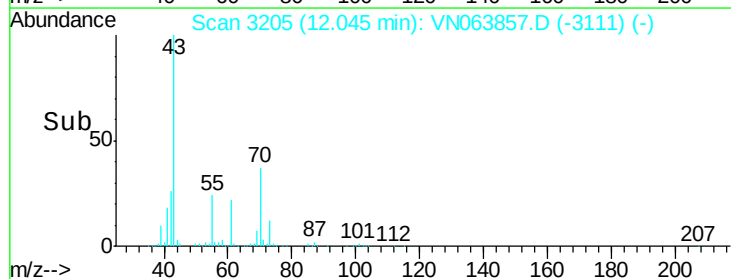
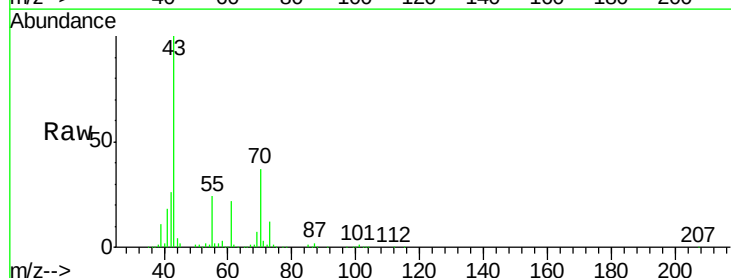
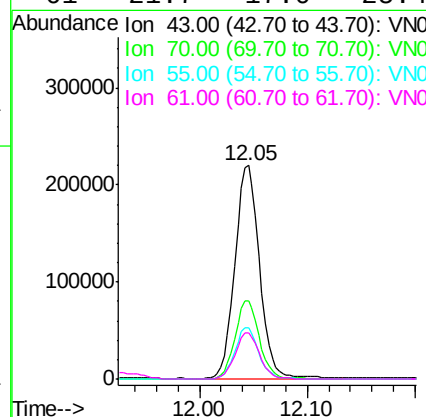
Manual Integrations
APPROVED

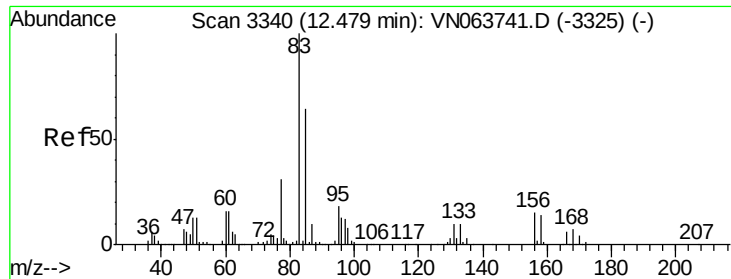
MMDadoda
10/5/2020 5:35:49 PM



#74
N-ethyl acetate
Concen: 56.580 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	29.8	44.8
55	23.5	17.9	26.9
61	21.7	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 57.226 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 83 Resp: 232145

Ion Ratio Lower Upper

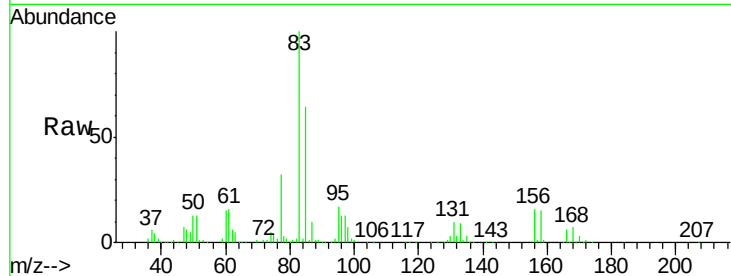
83 100

131 10.3 5.3 15.8

85 65.6 31.3 93.8

Manual Integrations
APPROVED

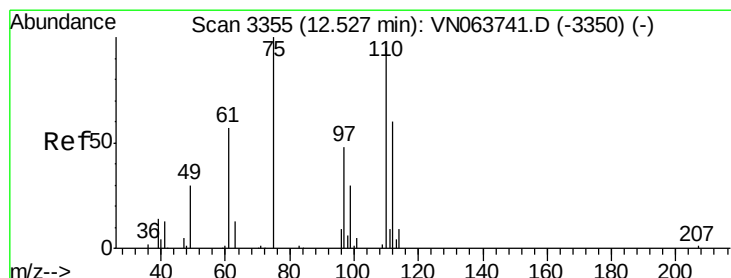
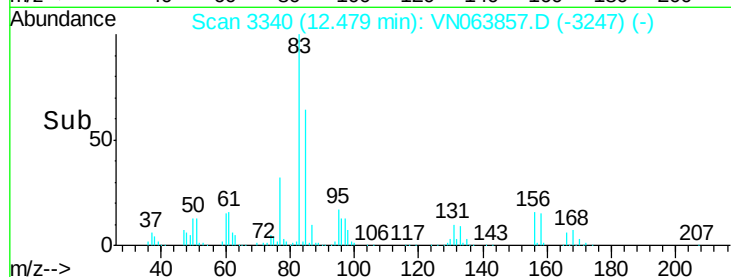
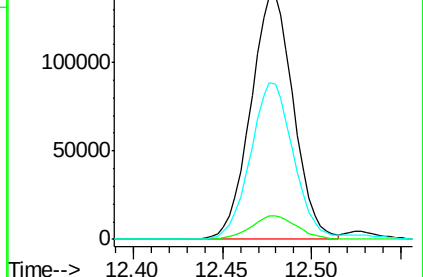
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 56.766 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063857.D

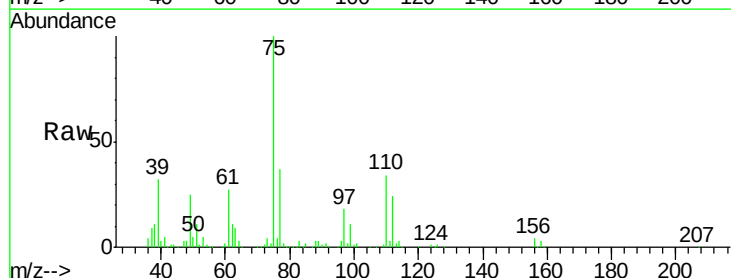
Acq: 3 Oct 2020 6:44

Tgt Ion: 75 Resp: 227595

Ion Ratio Lower Upper

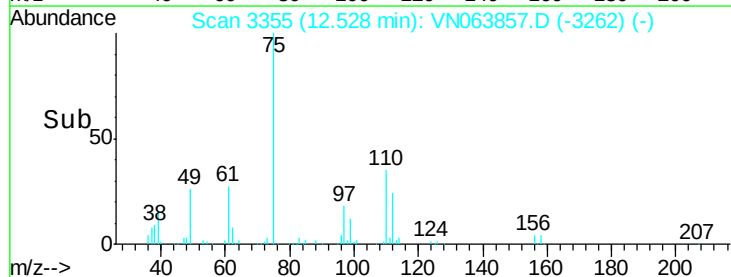
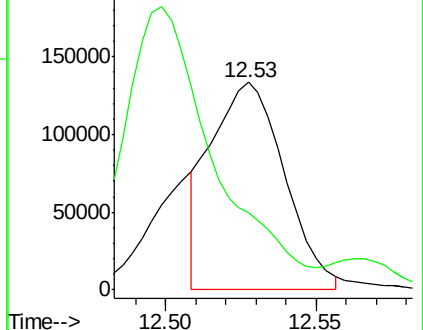
75 100

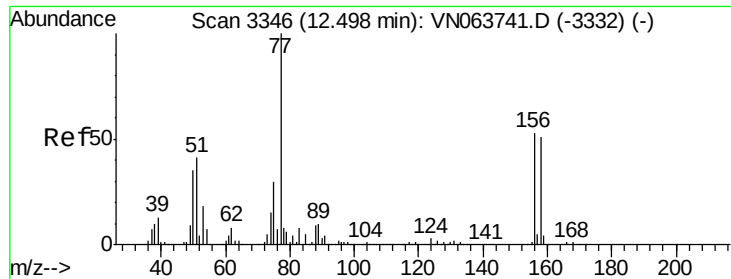
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.518 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

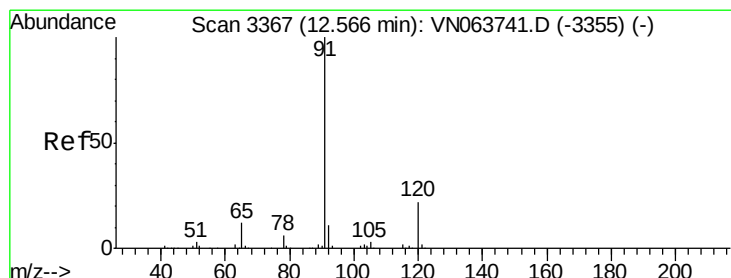
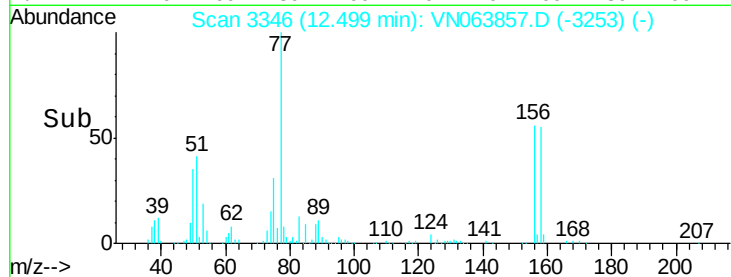
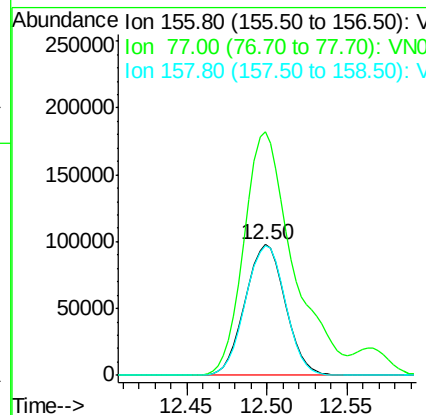
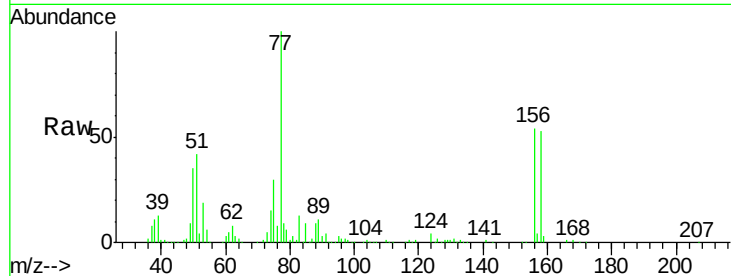
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.0	110.9	332.7
158	99.4	47.7	143.1

Manual Integrations
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#78

n-propylbenzene

Concen: 46.626 ug/l

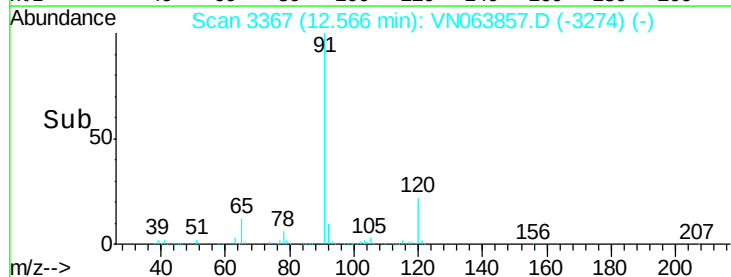
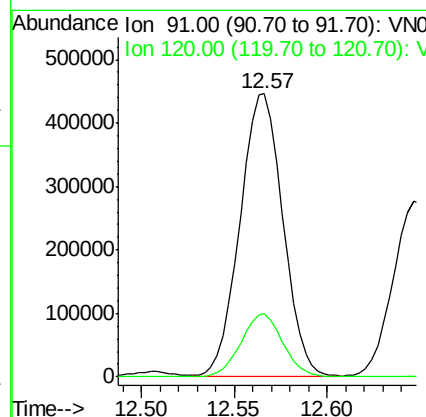
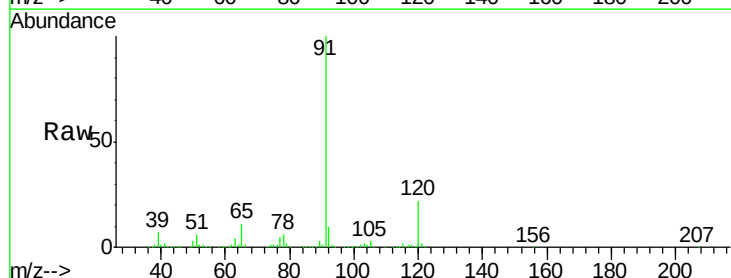
RT: 12.57 min Scan# 3367

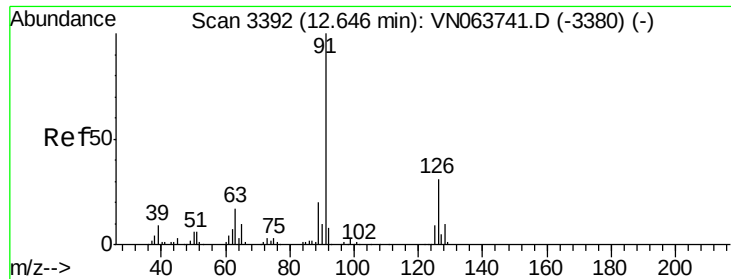
Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 49.210 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 467263

Ion Ratio Lower Upper

91 100

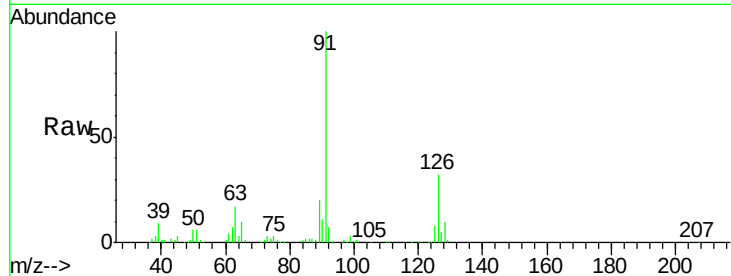
126 31.7 15.9 47.7

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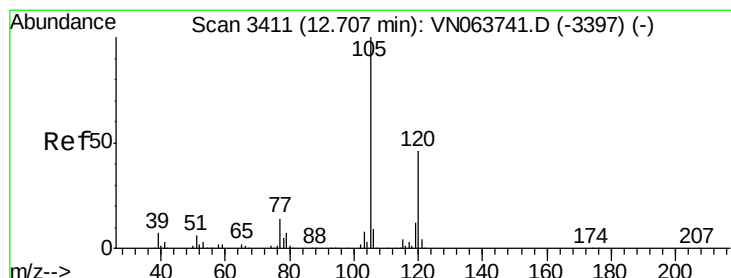
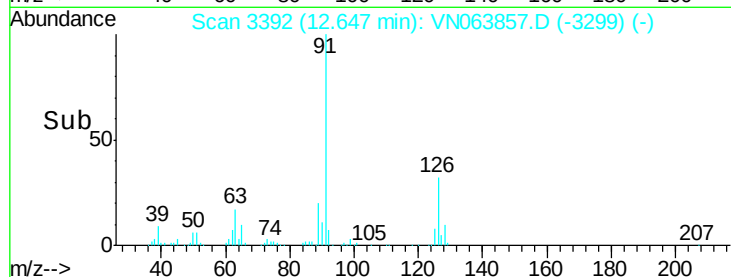
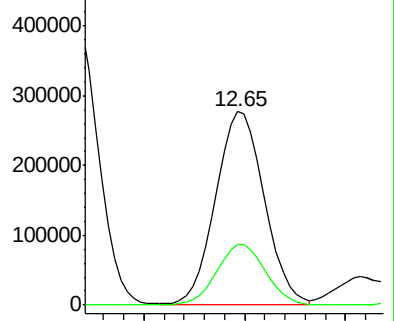
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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.409 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063857.D

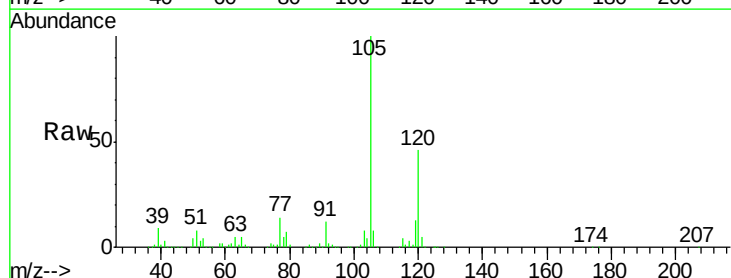
Acq: 3 Oct 2020 6:44

Tgt Ion: 105 Resp: 538767

Ion Ratio Lower Upper

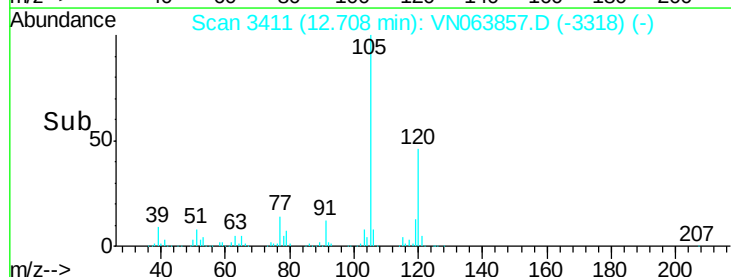
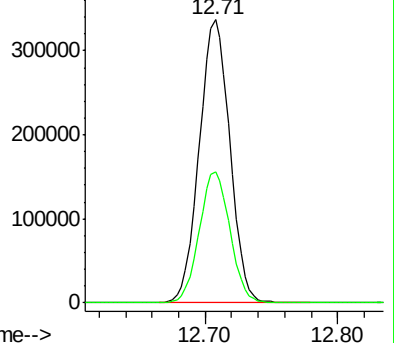
105 100

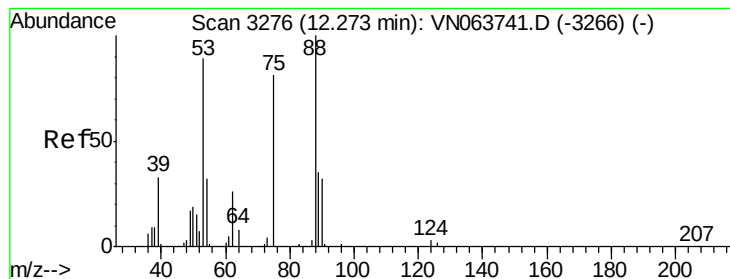
120 46.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.352 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

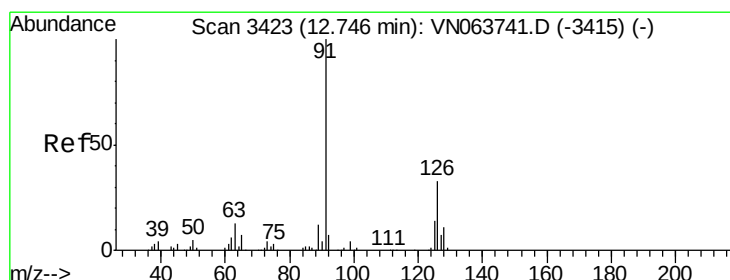
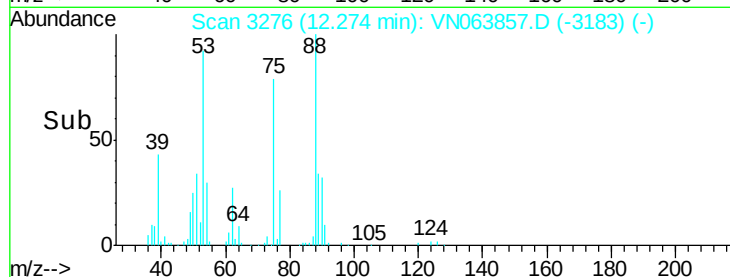
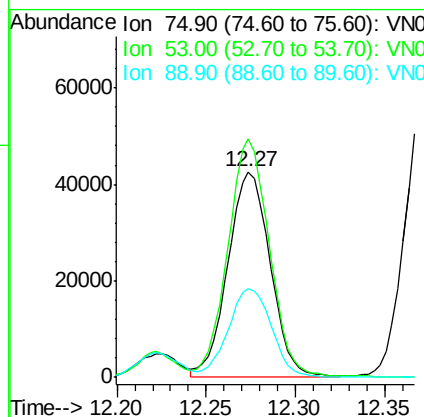
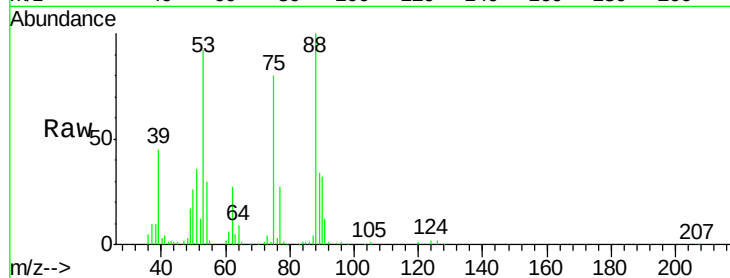
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	70093
Ion Ratio	Lower	Upper	
75	100		
53	112.3	88.2	132.2
89	44.2	36.0	54.0

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#82

4-Chlorotoluene

Concen: 49.760 ug/l

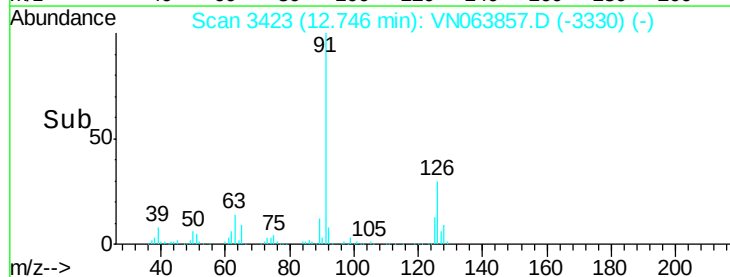
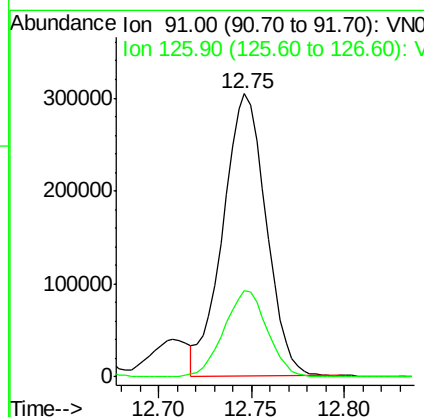
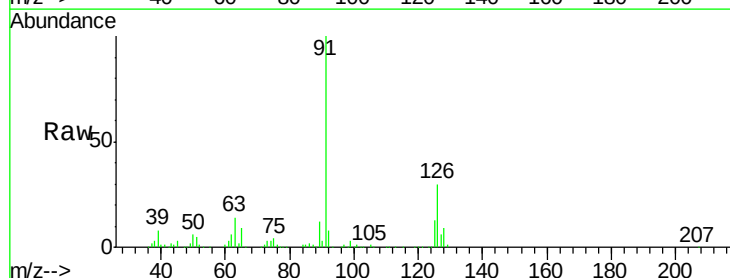
RT: 12.75 min Scan# 3423

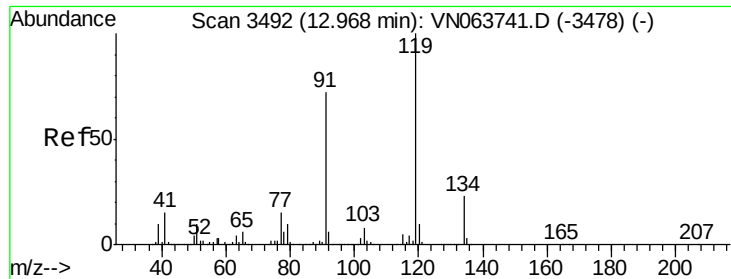
Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	91	Resp:	490495
Ion Ratio	Lower	Upper	
91	100		
126	30.5	15.4	46.2





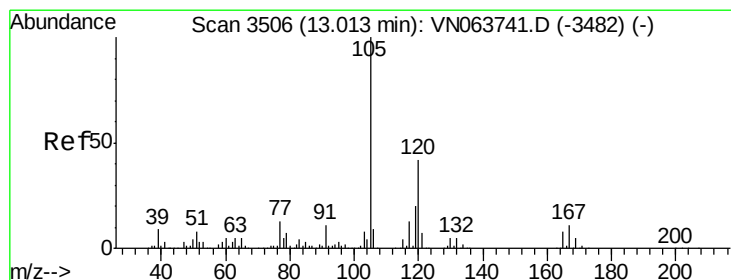
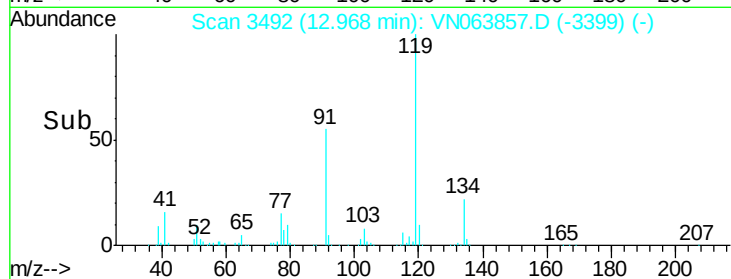
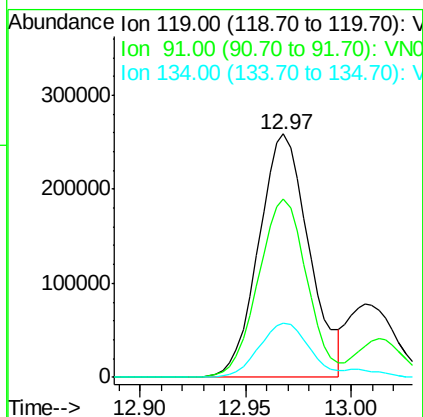
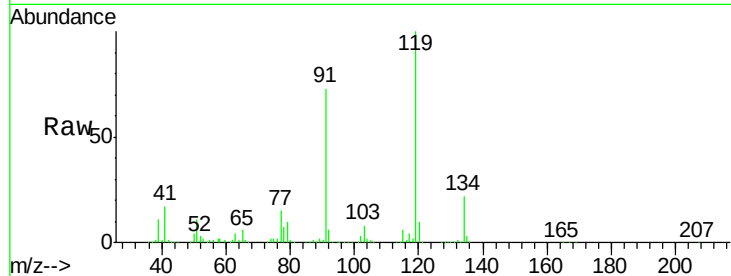
#83
 tert-Butylbenzene
 Concen: 47.216 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	35.5	106.5
134	22.4	11.7	35.1

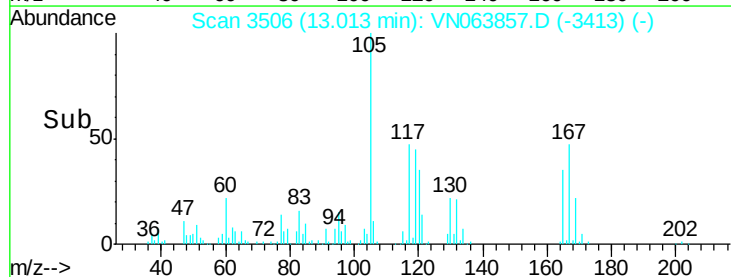
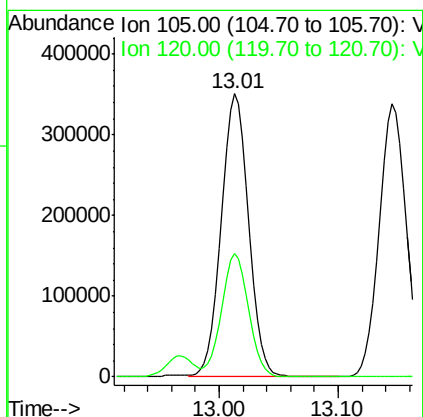
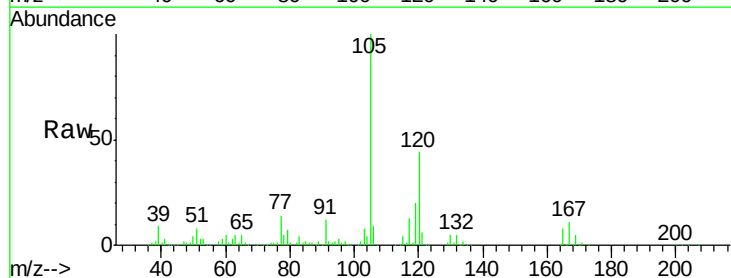
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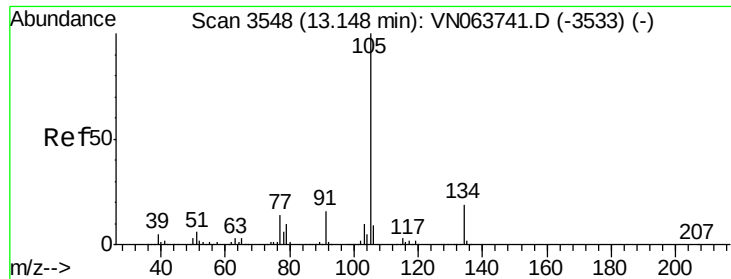
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.076 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	20.9	62.7





#85

sec-Butylbenzene

Concen: 44.840 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 536160

Ion Ratio Lower Upper

105 100

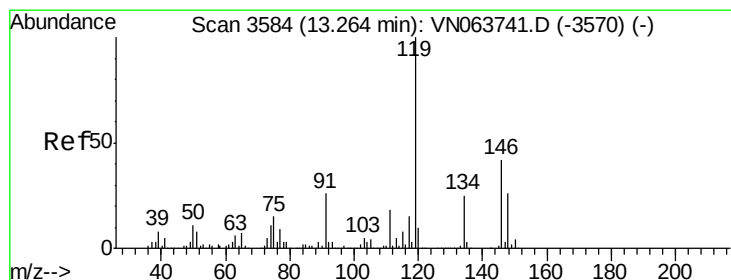
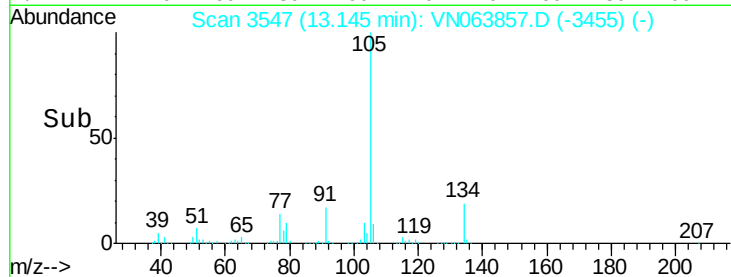
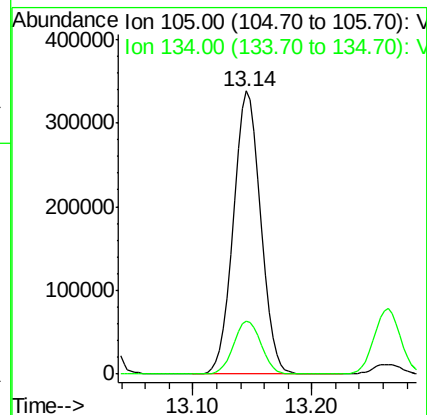
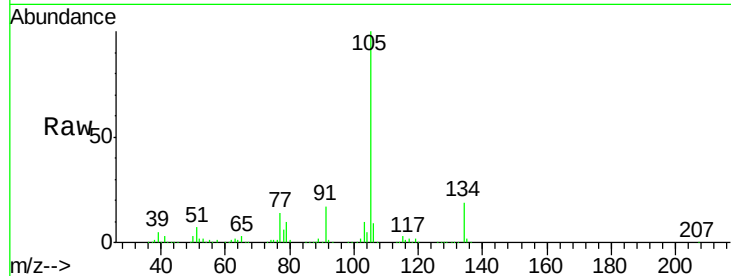
134 19.0 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.349 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

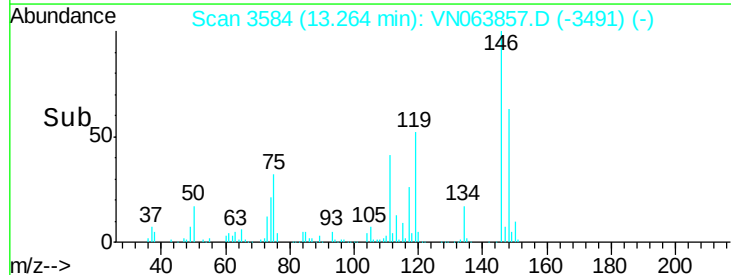
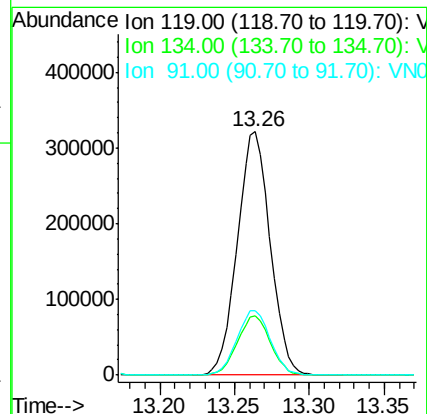
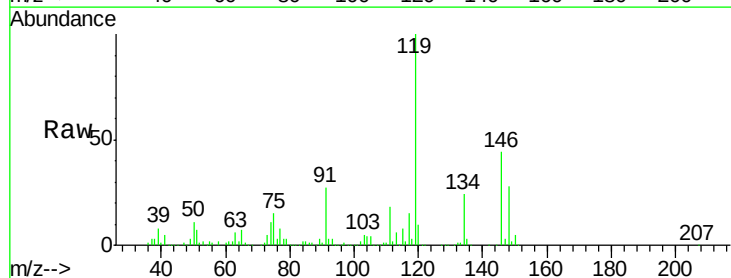
Tgt Ion:119 Resp: 490285

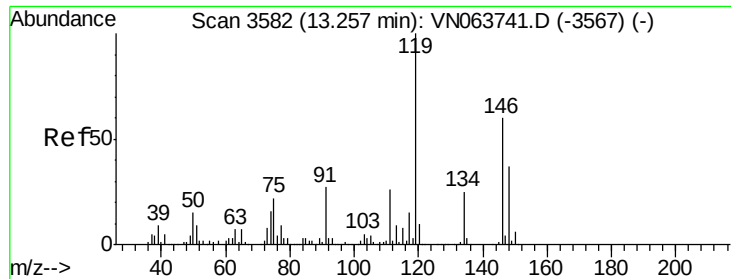
Ion Ratio Lower Upper

119 100

134 24.6 12.6 37.8

91 26.8 13.4 40.2





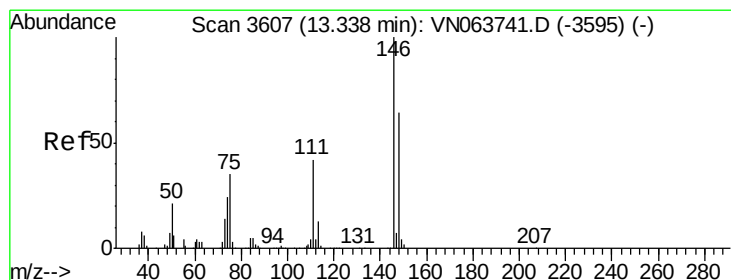
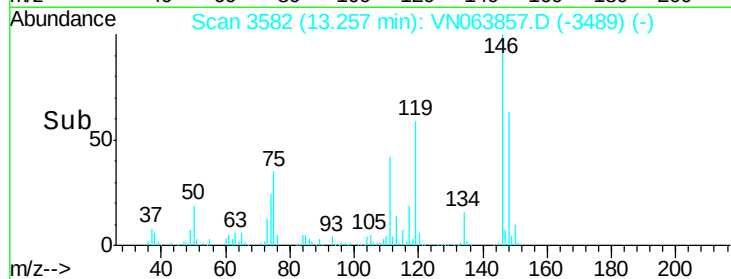
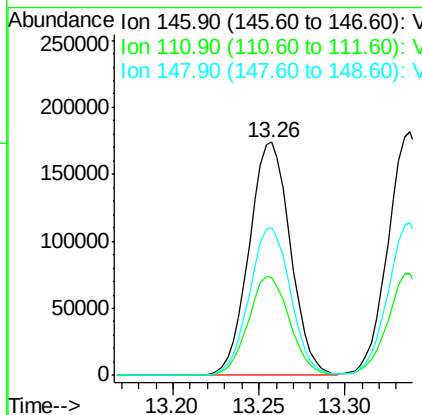
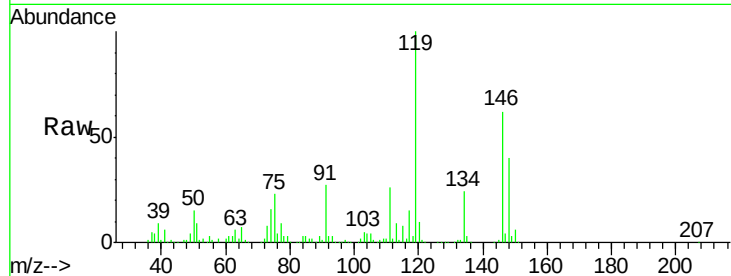
#87
 1,3-Dichlorobenzene
 Concen: 49.274 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	290178		
111	42.5	21.5	64.5	
148	63.5	31.1	93.3	

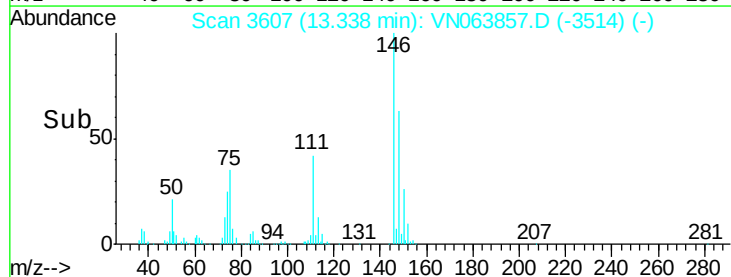
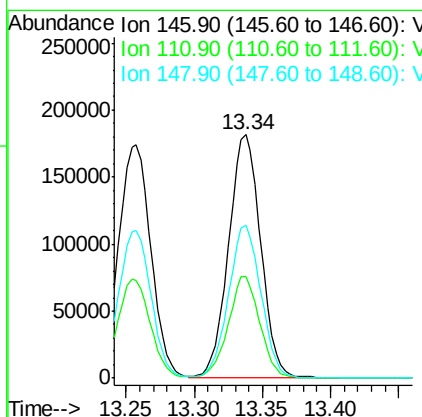
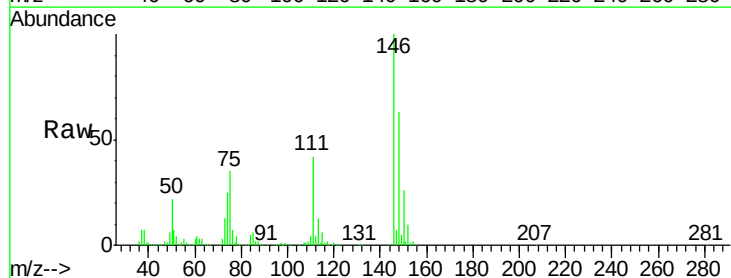
Manual Integrations
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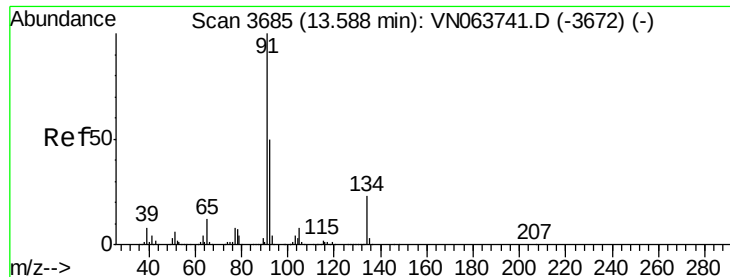
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#88
 1,4-Dichlorobenzene
 Concen: 48.408 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296824		
111	40.7	21.3	63.7	
148	63.0	32.0	96.0	





#89

n-Butylbenzene

Concen: 41.293 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Instrument :

MSVOA_N

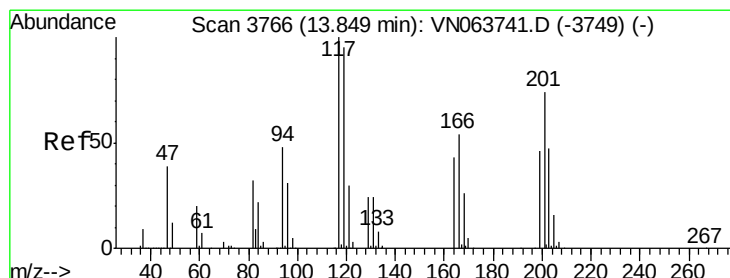
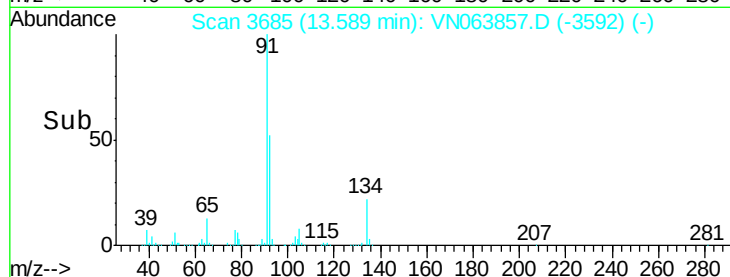
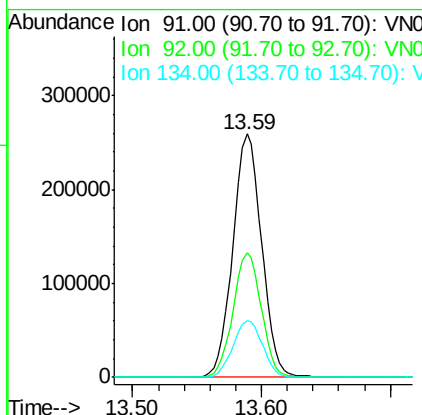
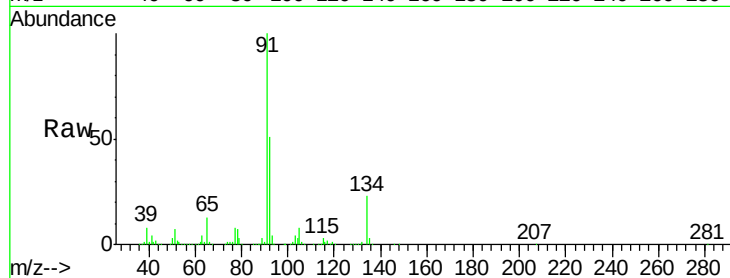
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	403149
Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.4	76.4
134	23.9	11.7	35.1

Manual Integrations
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#90

Hexachloroethane

Concen: 46.480 ug/l

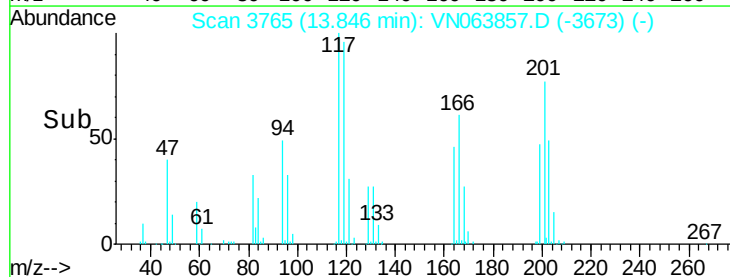
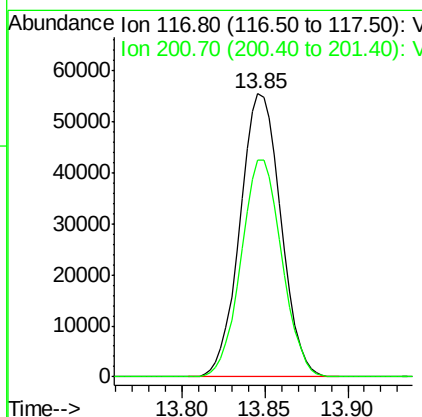
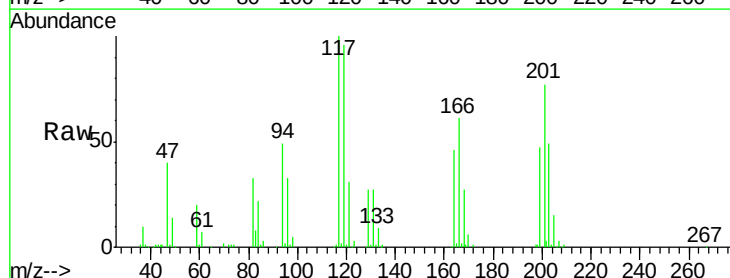
RT: 13.85 min Scan# 3765

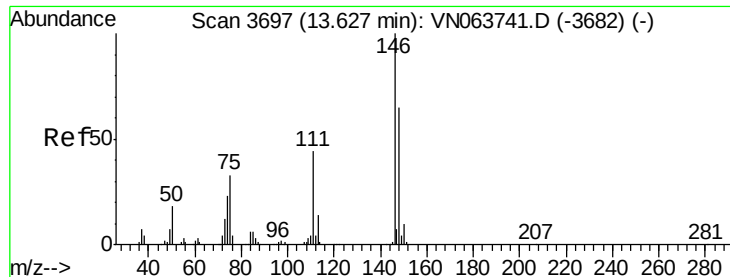
Delta R.T. -0.00 min

Lab File: VN063857.D

Acq: 3 Oct 2020 6:44

Tgt Ion:	117	Resp:	95273
Ion	Ratio	Lower	Upper
117	100		
201	76.3	36.0	108.0





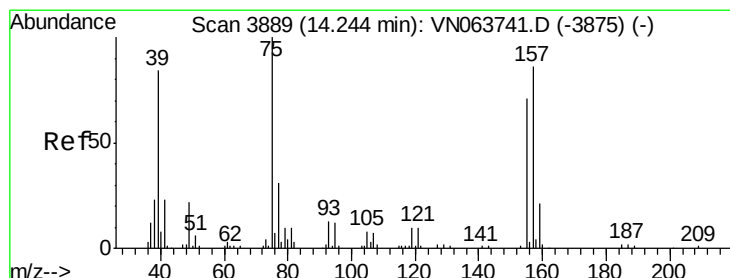
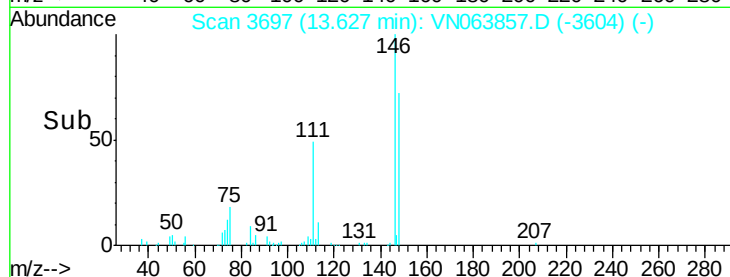
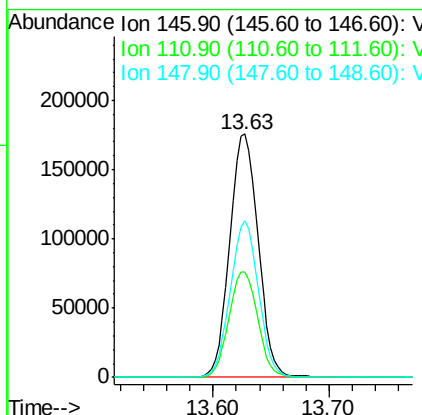
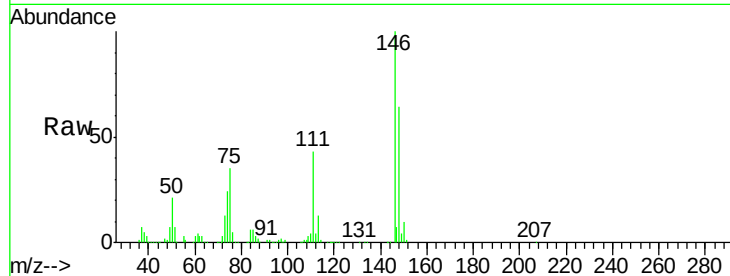
#91
 1,2-Dichlorobenzene
 Concen: 51.072 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.7	32.5	97.4

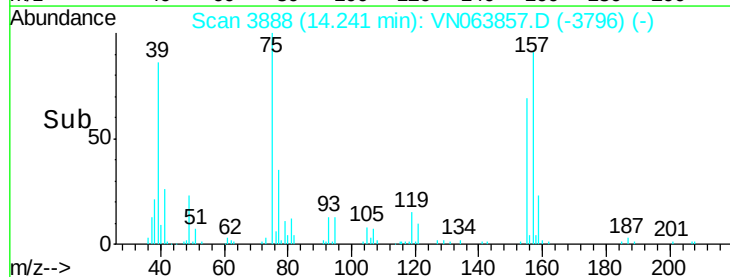
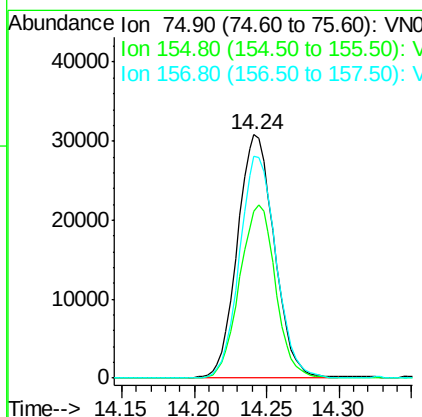
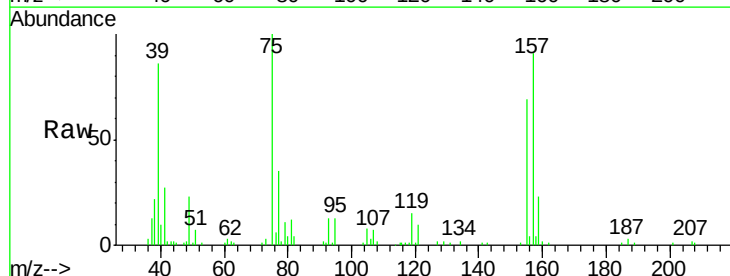
Manual Integrations
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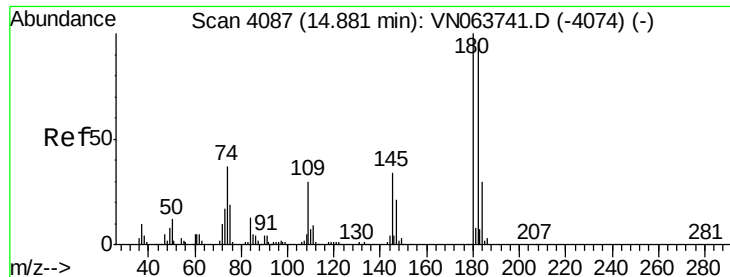
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.558 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	34.8	104.5
157	89.7	43.7	131.1





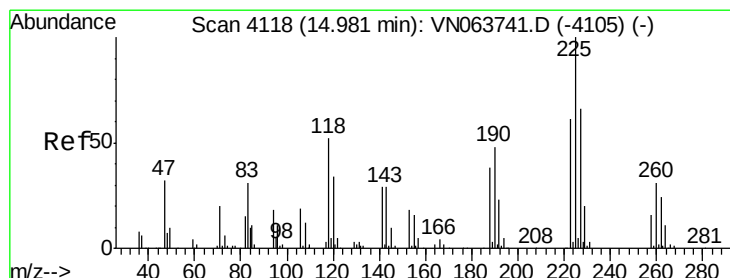
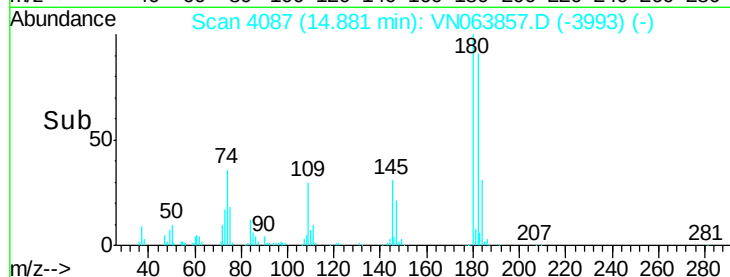
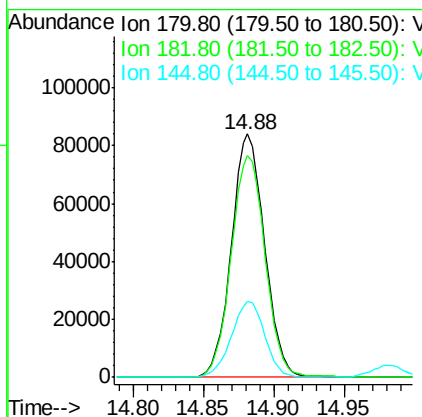
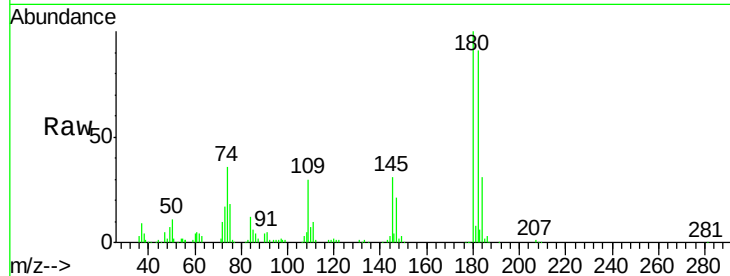
#93
 1,2,4-Trichlorobenzene
 Concen: 43.965 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138756		
182	93.0	48.2	144.6	
145	31.2	17.1	51.2	

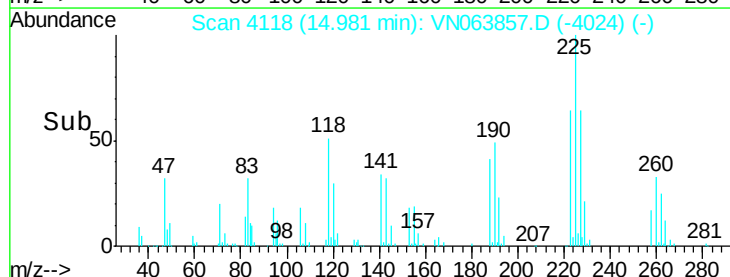
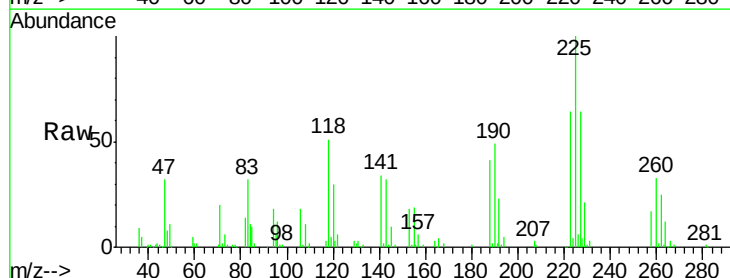
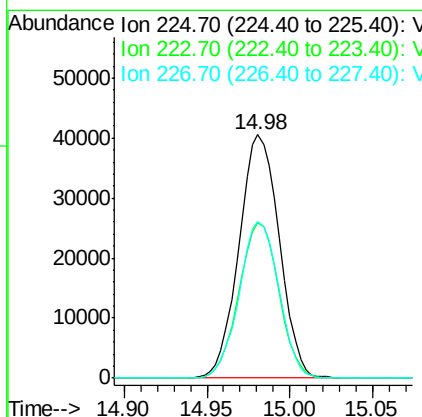
Manual Integrations
 APPROVED

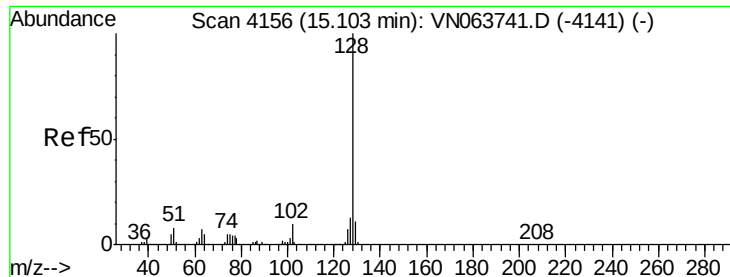
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#94
 Hexachlorobutadiene
 Concen: 43.349 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063857.D
 Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68543		
223	63.1	30.3	91.0	
227	63.3	31.9	95.5	





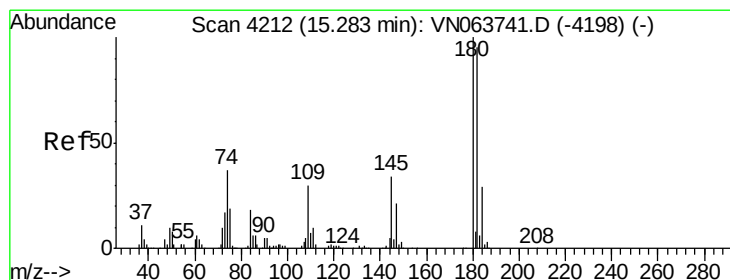
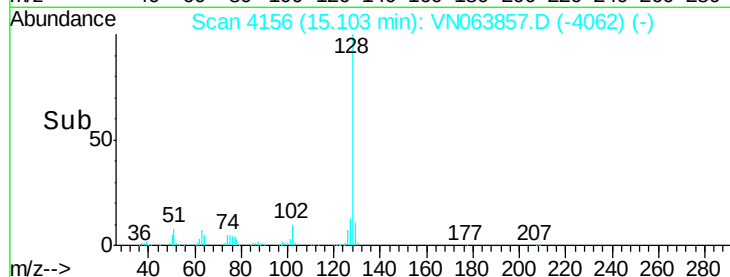
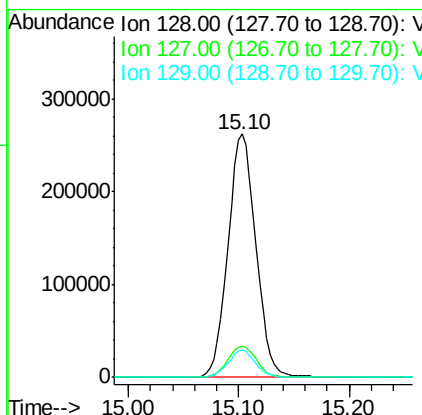
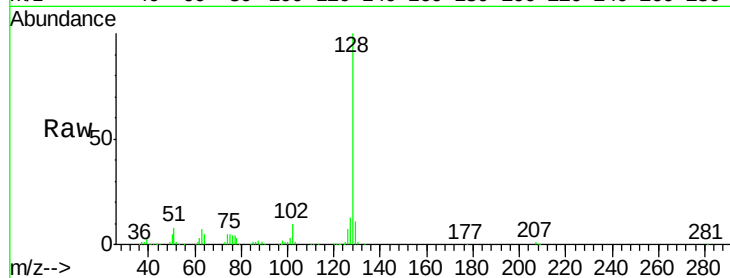
#95
Naphthalene
Concen: 47.033 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.067 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063857.D
Acq: 3 Oct 2020 6:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.6
145	35.1	17.2	51.5

