

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060357.D
 Acq On : 5 Mar 2020 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:12 AM

Quant Time: Mar 06 00:50:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124301	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.56	113	81389	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.08	98	368378	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	141111	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	83872	45.891	ug/l	98
3) Chloromethane	2.04	50	148297	46.605	ug/l	99
4) Vinyl Chloride	2.16	62	122085	44.738	ug/l	99
5) Bromomethane	2.54	94	44735	40.258	ug/l	98
6) Chloroethane	2.68	64	66746	45.143	ug/l	97
7) Trichlorofluoromethane	3.00	101	162846	46.706	ug/l	99
8) Diethyl Ether	3.38	74	61289	46.557	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94721	48.003	ug/l	99
10) Methyl Iodide	3.93	142	84255	46.786	ug/l	100
11) Tert butyl alcohol	4.73	59	89747	236.321	ug/l	100
12) 1,1-Dichloroethene	3.71	96	92465	48.280	ug/l	99
13) Acrolein	3.57	56	116440	328.659	ug/l	98
14) Allyl chloride	4.29	41	159768	45.246	ug/l	91
15) Acrylonitrile	4.94	53	253857	253.605	ug/l	99
16) Acetone	3.78	43	206437	249.948	ug/l	97
17) Carbon Disulfide	4.03	76	238890	46.963	ug/l	100
18) Methyl Acetate	4.28	43	131784	47.813	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	344587	49.558	ug/l	98
20) Methylene Chloride	4.52	84	106773	47.073	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	99694	48.438	ug/l	97
22) Diisopropyl ether	5.91	45	369558	51.668	ug/l	96
23) Vinyl Acetate	5.86	43	1479290	260.273	ug/l	99
24) 1,1-Dichloroethane	5.82	63	202861	50.104	ug/l	99
25) 2-Butanone	6.80	43	344480	258.220	ug/l	99
26) 2,2-Dichloropropane	6.79	77	184290	49.998	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	122466	46.563	ug/l	98
28) Bromochloromethane	7.17	49	85733	51.574	ug/l	95
29) Tetrahydrofuran	7.18	42	231335	249.371	ug/l	99
30) Chloroform	7.34	83	202584	50.263	ug/l	100
31) Cyclohexane	7.63	56	177833	51.511	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	178553	50.000	ug/l	100
36) 1,1-Dichloropropene	7.77	75	150865	48.895	ug/l	99
37) Ethyl Acetate	6.89	43	150376	51.471	ug/l	99
38) Carbon Tetrachloride	7.75	117	149254	49.684	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	178402	49.039	ug/l	98
40) Benzene	8.02	78	449295	50.030	ug/l	99
41) Methacrylonitrile	7.15	41	71702m	53.152	ug/l	
42) 1,2-Dichloroethane	8.10	62	164550	50.776	ug/l	99
43) Isopropyl Acetate	8.14	43	264380	51.690	ug/l	99
44) Trichloroethene	8.82	130	122137	48.833	ug/l	99
45) 1,2-Dichloropropane	9.10	63	123454	52.579	ug/l	99
46) Dibromomethane	9.19	93	76485	50.203	ug/l	99
47) Bromodichloromethane	9.38	83	163956	52.913	ug/l	99
48) Methyl methacrylate	9.18	41	117810	50.511	ug/l	99
49) 1,4-Dioxane	9.18	88	31133	949.191	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	764026	263.462	ug/l	100
52) Toluene	10.14	92	284086	50.359	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	190523	50.180	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	199732	50.767	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113256	49.924	ug/l	98
56) Ethyl methacrylate	10.42	69	174596	53.571	ug/l	99
57) 1,3-Dichloropropane	10.70	76	192158	51.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	507363	297.650	ug/l	99
59) 2-Hexanone	10.74	43	554579	260.462	ug/l	100
60) Dibromochloromethane	10.89	129	122610	53.146	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114541	51.794	ug/l	97
64) Tetrachloroethene	10.62	164	126586	53.321	ug/l	99
65) Chlorobenzene	11.42	112	299888	49.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114348	50.705	ug/l	99
67) Ethyl Benzene	11.50	91	559762	50.396	ug/l	99
68) m/p-Xylenes	11.62	106	417948	99.734	ug/l	100
69) o-Xylene	11.94	106	202429	50.656	ug/l	99
70) Styrene	11.96	104	336251	51.179	ug/l	100
71) Bromoform	12.12	173	88881	54.686	ug/l #	100
73) Isopropylbenzene	12.24	105	550722	49.947	ug/l	99
74) N-amyl acetate	12.06	43	243381	50.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153986	51.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142849m	43.767	ug/l	
77) Bromobenzene	12.52	156	133156	49.266	ug/l	99
78) n-propylbenzene	12.59	91	650481	50.329	ug/l	100
79) 2-Chlorotoluene	12.67	91	377035	49.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	467511	50.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	61243	51.797	ug/l #	86
82) 4-Chlorotoluene	12.77	91	393896	49.210	ug/l	99
83) tert-Butylbenzene	12.99	119	396395	49.317	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	470520	50.214	ug/l	100
85) sec-Butylbenzene	13.17	105	541679	50.326	ug/l	100
86) p-Isopropyltoluene	13.28	119	491155	49.302	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241416	51.989	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	239112	51.791	ug/l	100
89) n-Butylbenzene	13.61	91	456766	49.947	ug/l	100
90) Hexachloroethane	13.87	117	71315	49.456	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230587	48.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32911	48.489	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	151482	50.337	ug/l	99
94) Hexachlorobutadiene	15.01	225	74993	54.261	ug/l	99
95) Naphthalene	15.13	128	427392	48.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	141546	49.944	ug/l	99

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

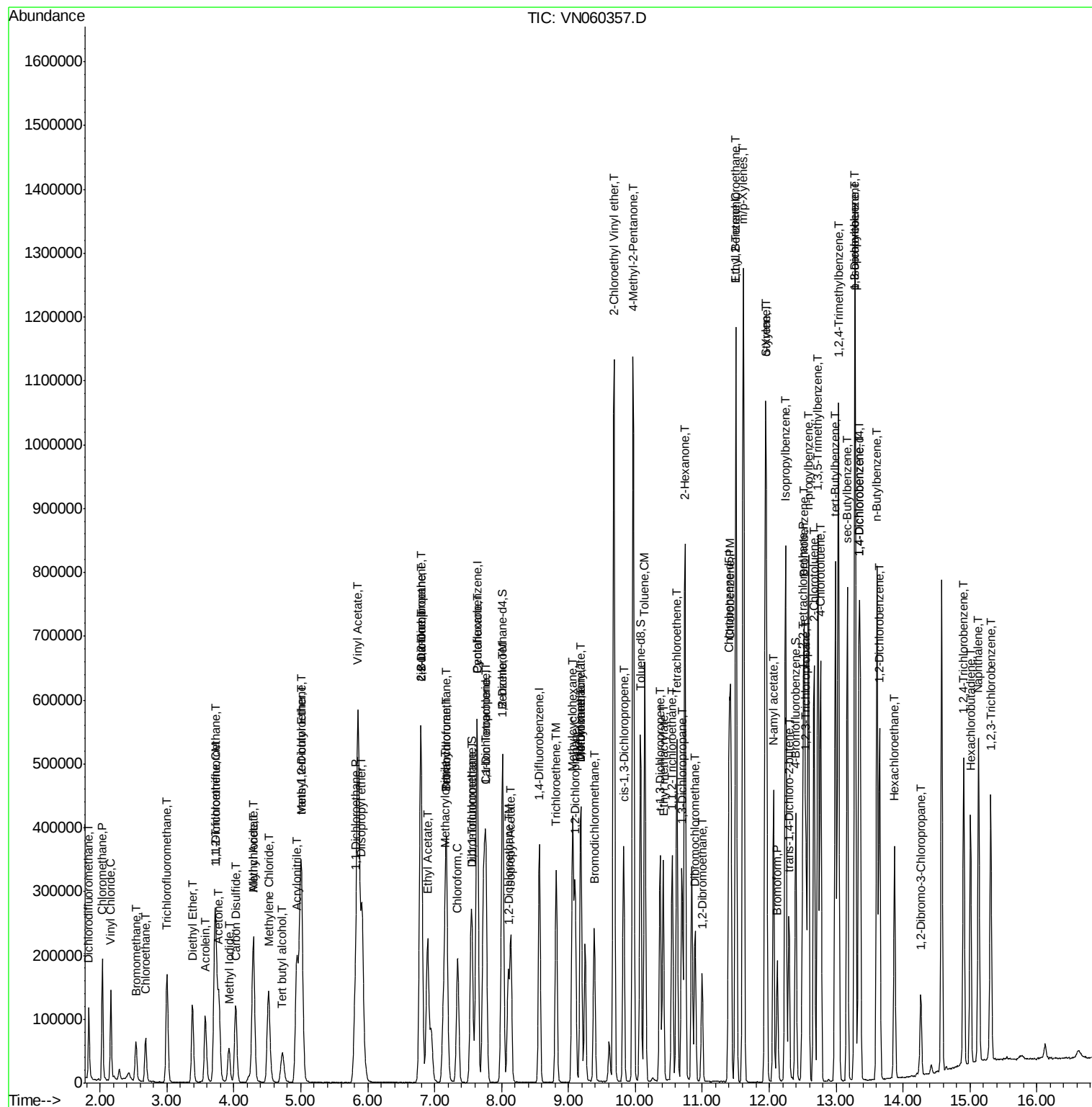
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Data File : VN060357.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199341

Ion Ratio Lower Upper

168 100

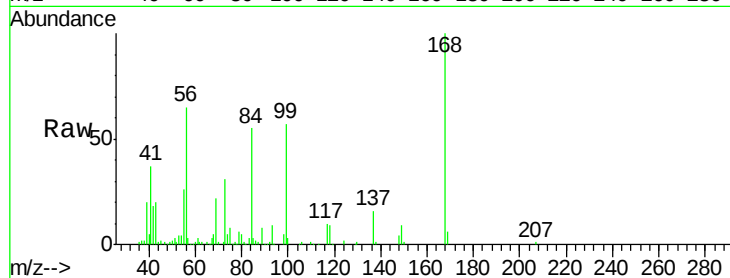
99 56.6 44.7 67.1

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

100000

80000

60000

40000

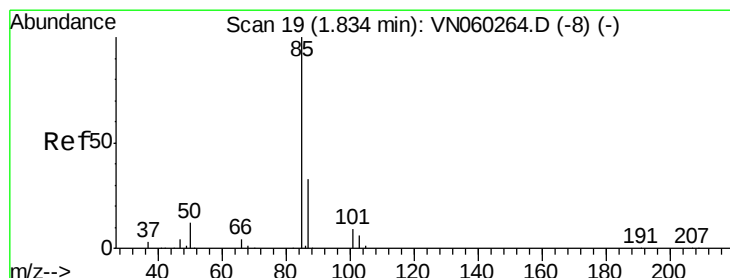
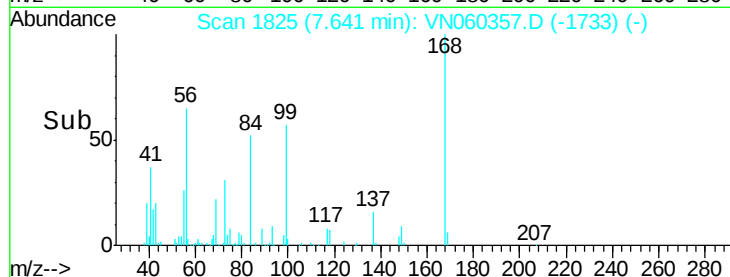
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.891 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060357.D

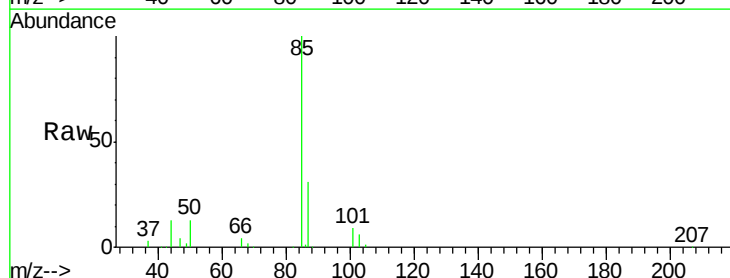
Acq: 5 Mar 2020 10:43

Tgt Ion: 85 Resp: 83872

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

40000

20000

0

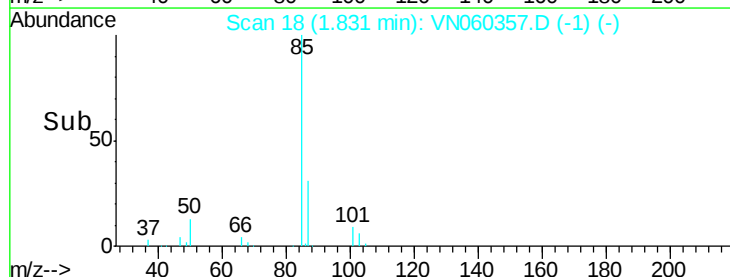
1.75

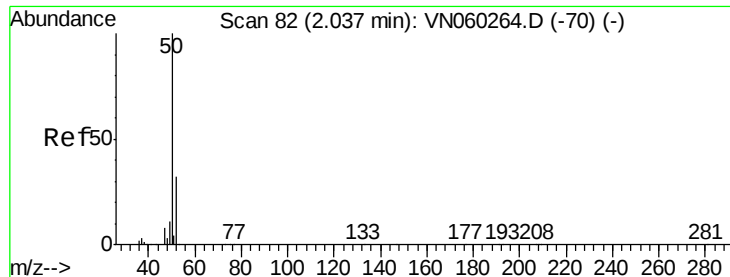
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 46.605 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 148297

Ion Ratio Lower Upper

50 100

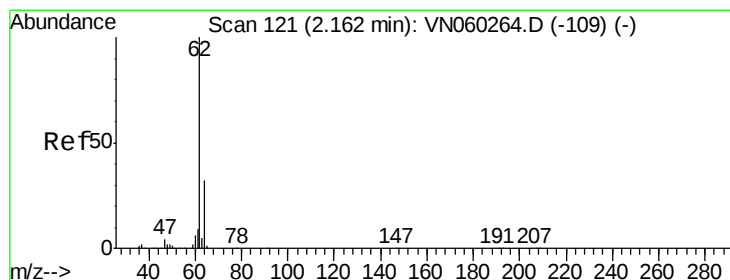
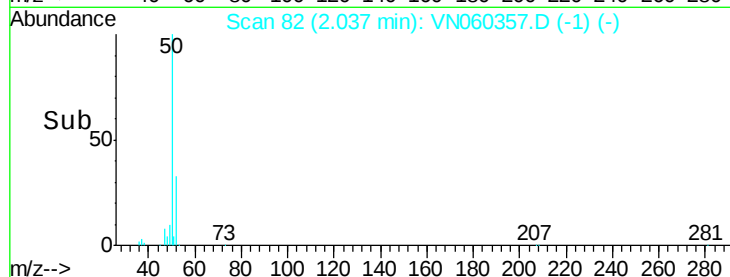
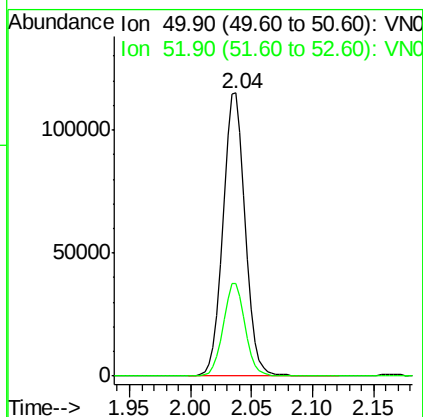
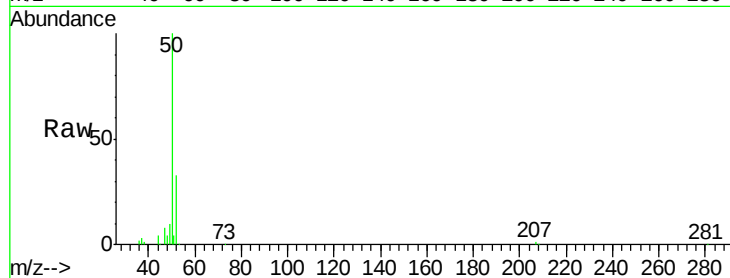
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.738 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060357.D

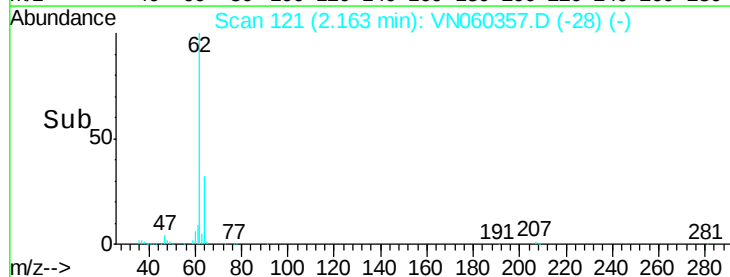
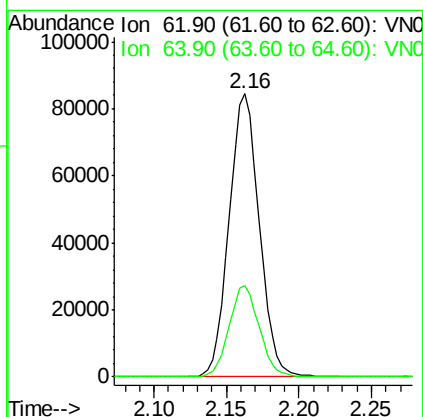
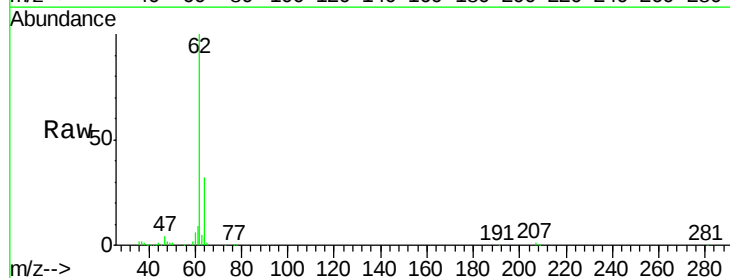
Acq: 5 Mar 2020 10:43

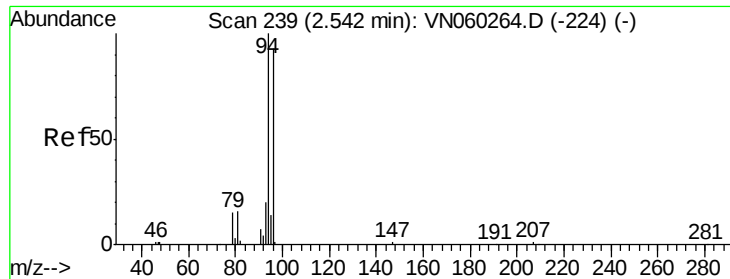
Tgt Ion: 62 Resp: 122085

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 40.258 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 44735

Ion Ratio Lower Upper

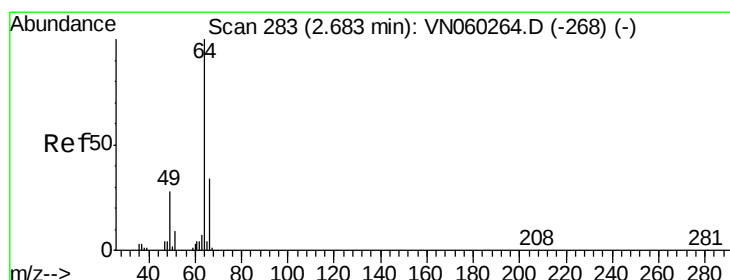
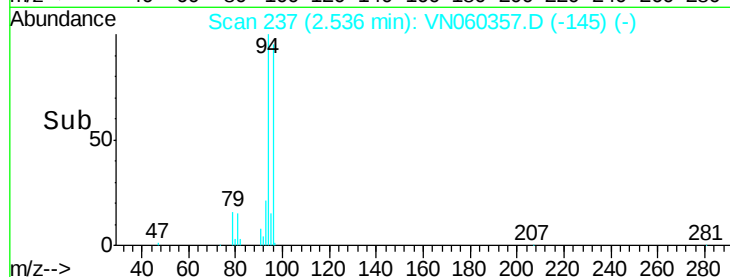
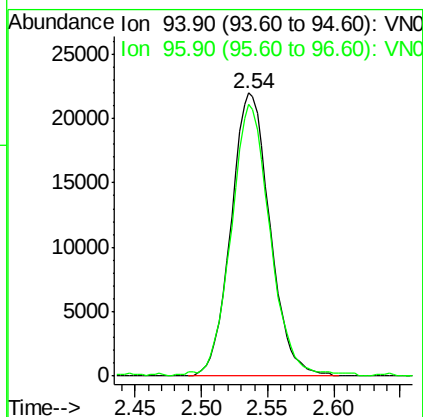
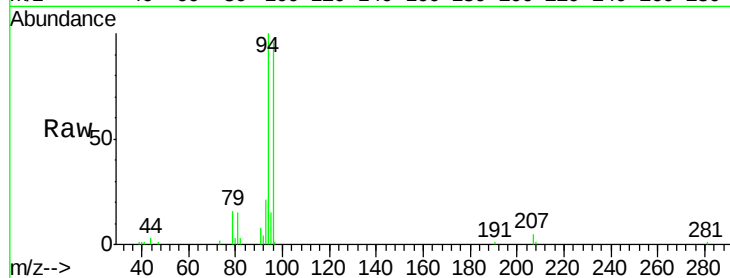
94 100

96 94.9 74.3 111.5

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#6

Chloroethane

Concen: 45.143 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060357.D

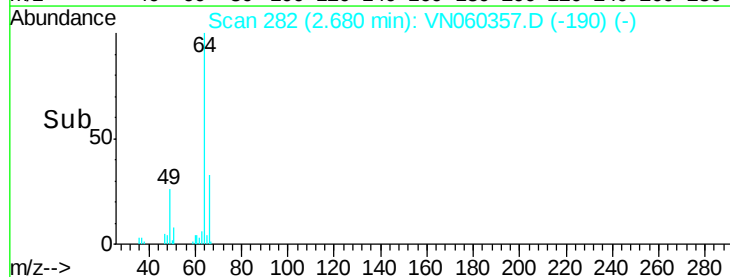
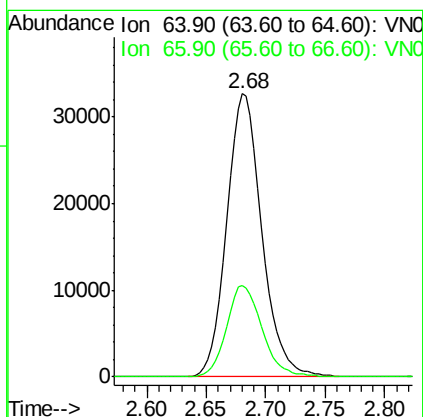
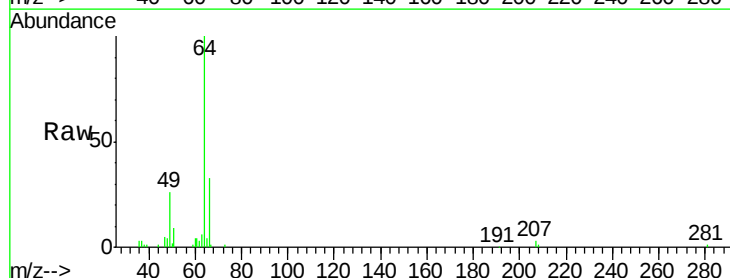
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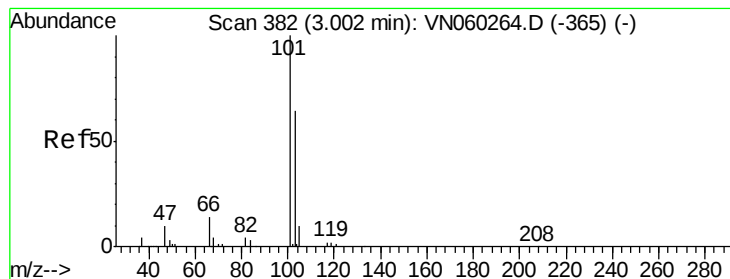
Tgt Ion: 64 Resp: 66746

Ion Ratio Lower Upper

64 100

66 32.5 27.4 41.2





#7

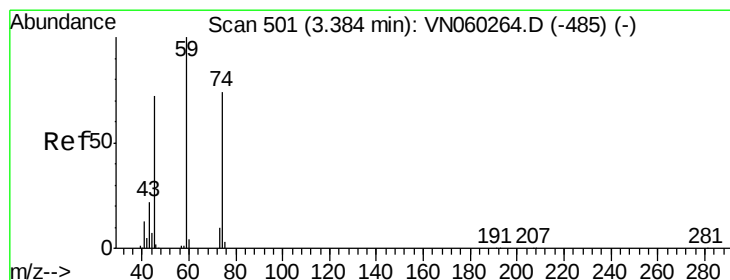
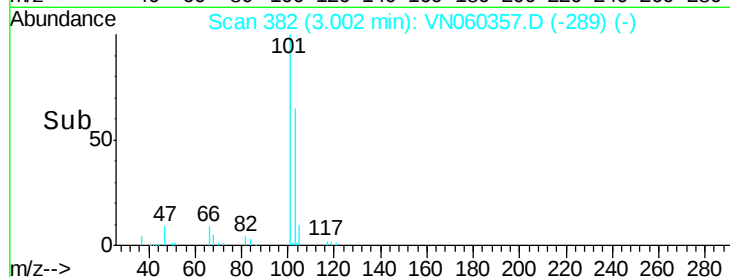
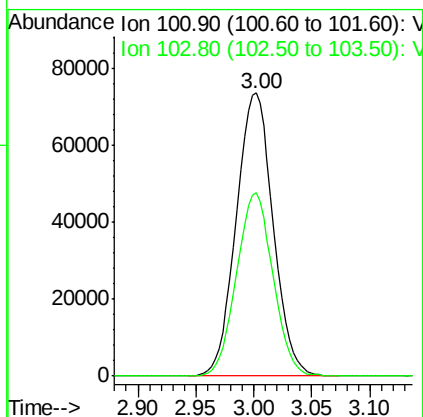
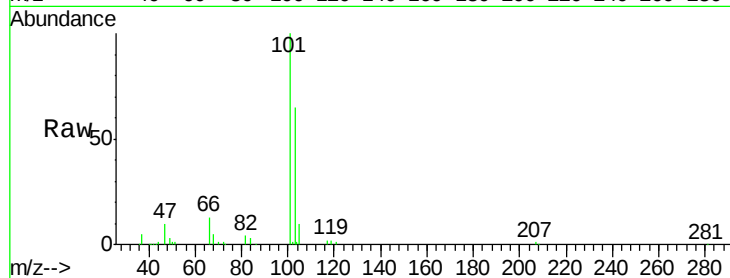
Trichlorofluoromethane
Concen: 46.706 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.3	76.9

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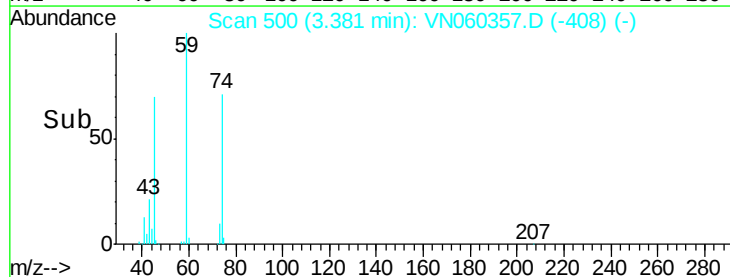
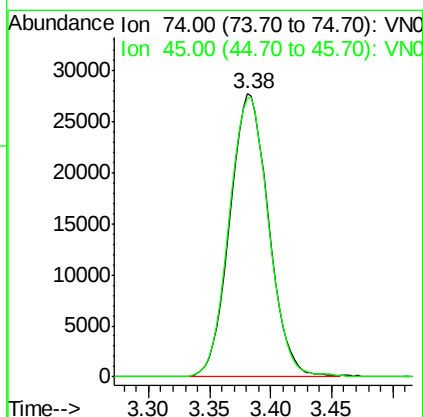
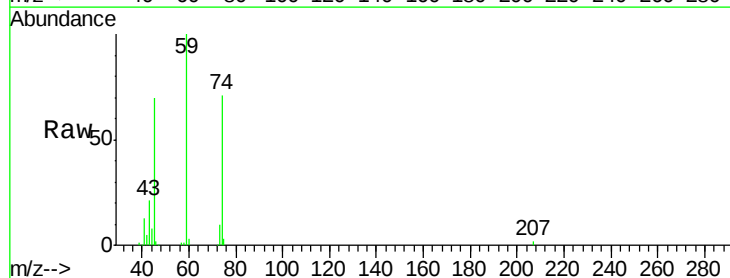
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#8

Diethyl Ether
Concen: 46.557 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.003 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

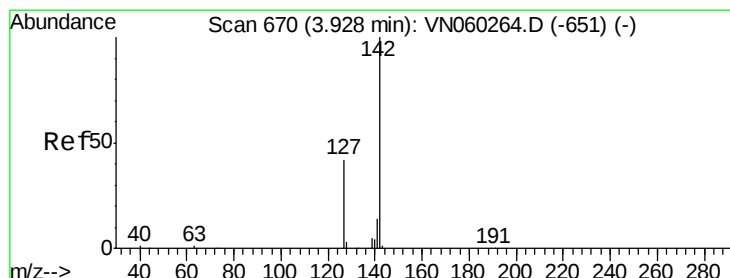
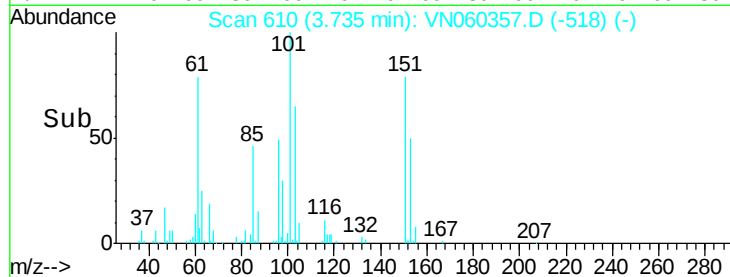
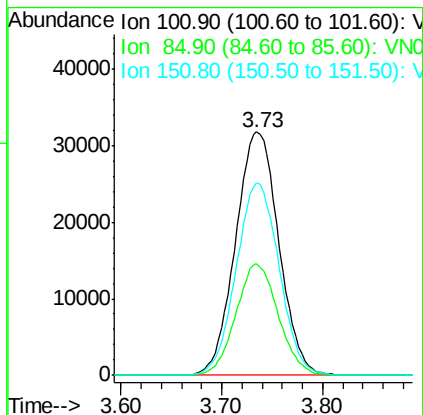
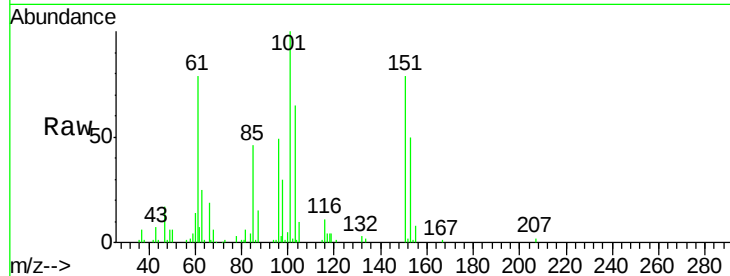
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	94721
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.4	53.2
151	78.6	62.0	93.0

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#10

Methyl Iodide

Concen: 46.786 ug/l

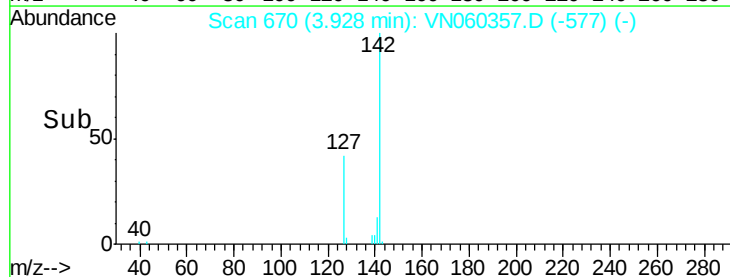
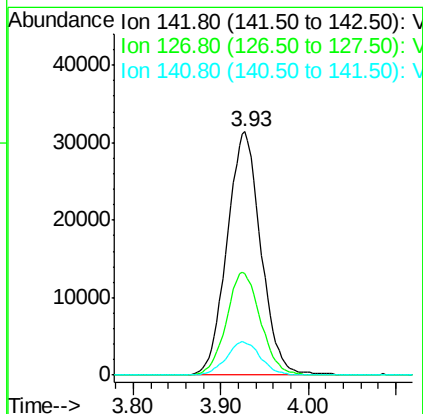
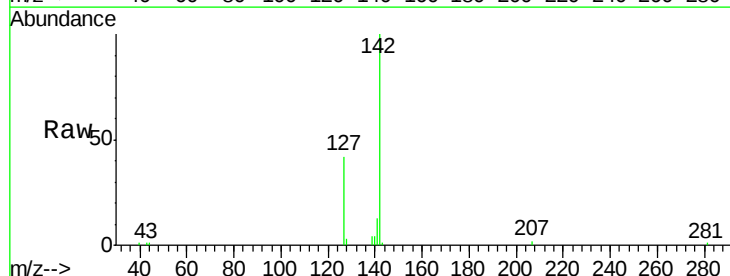
RT: 3.93 min Scan# 670

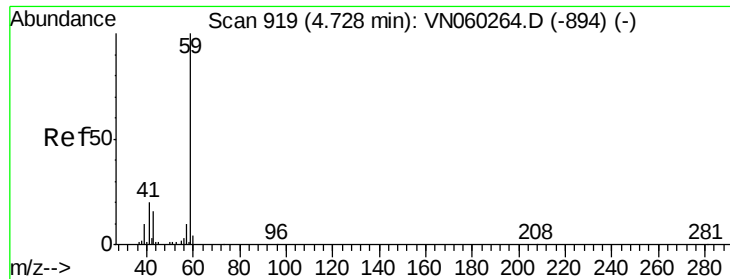
Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	142	Resp:	84255
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.6
141	13.8	11.1	16.7





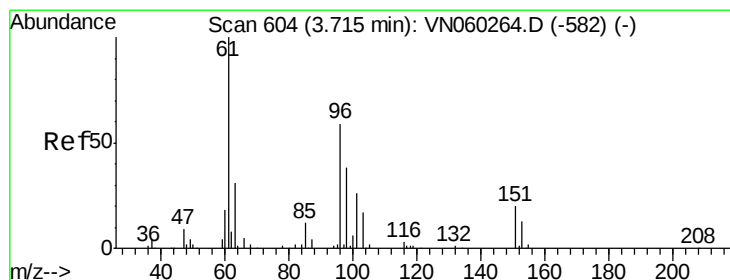
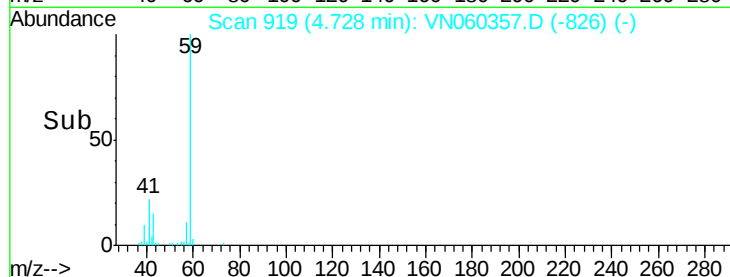
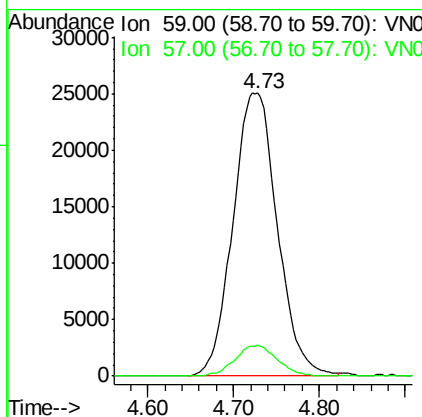
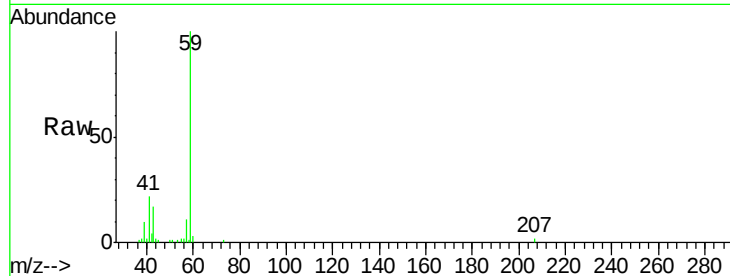
#11
Tert butyl alcohol
Concen: 236.321 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	89747
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

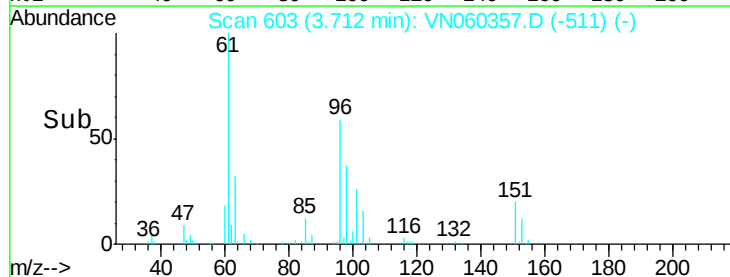
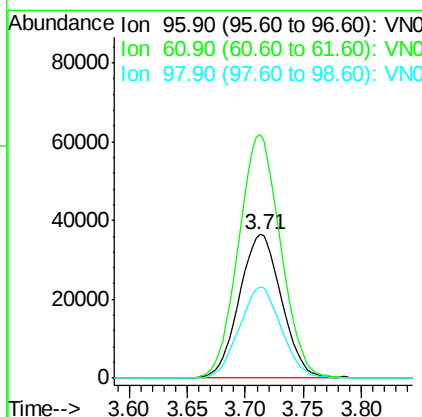
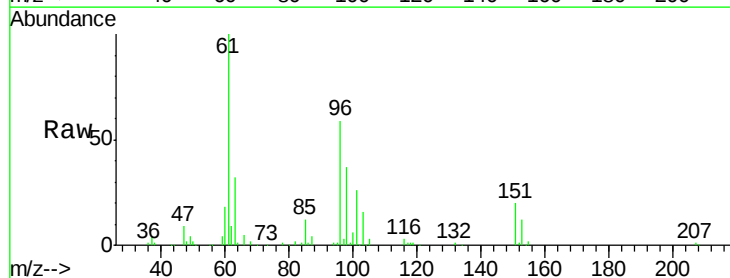
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#12
1,1-Dichloroethene
Concen: 48.280 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	96	Resp	92465
Ion Ratio	100	Lower	Upper
61	169.4	135.4	203.0
98	63.4	51.6	77.4





#13

Acrolein

Concen: 328.659 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 116440

Ion Ratio Lower Upper

56 100

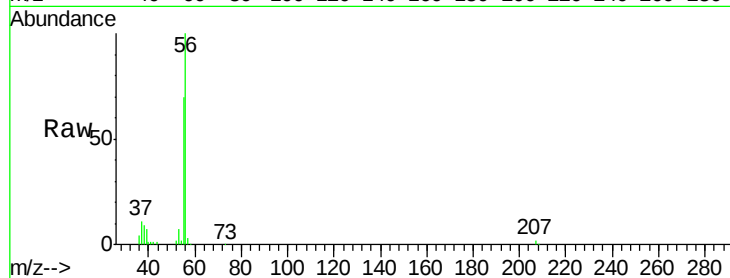
55 69.7 57.4 86.0

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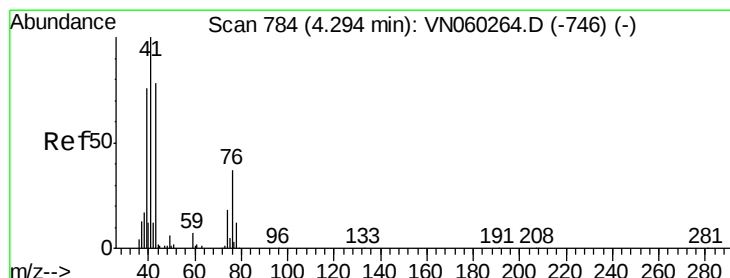
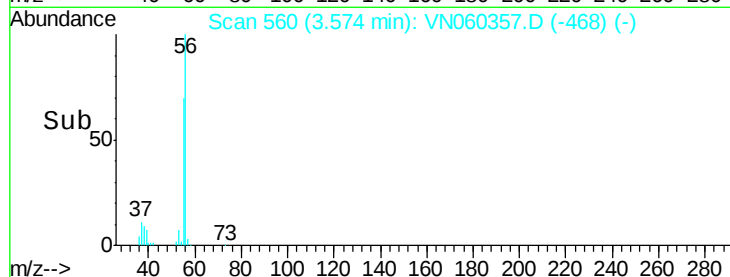
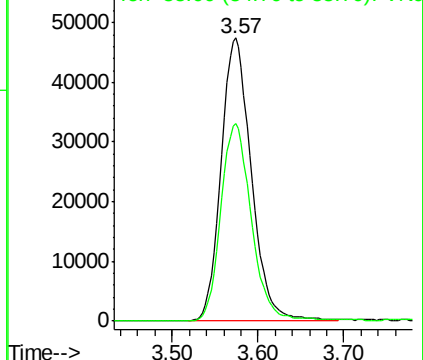
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 45.246 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

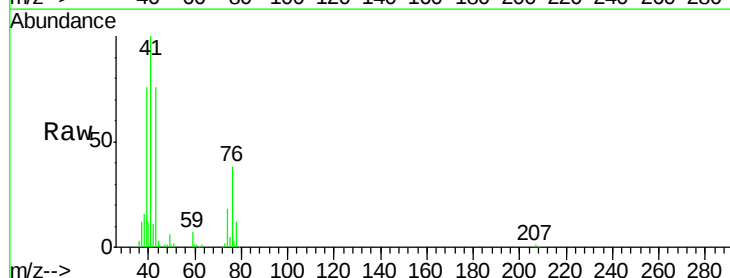
Tgt Ion: 41 Resp: 159768

Ion Ratio Lower Upper

41 100

39 78.1 55.4 83.2

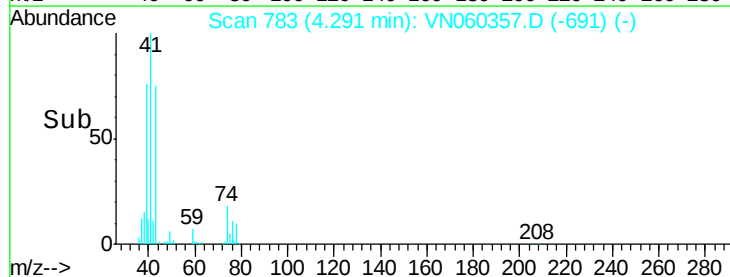
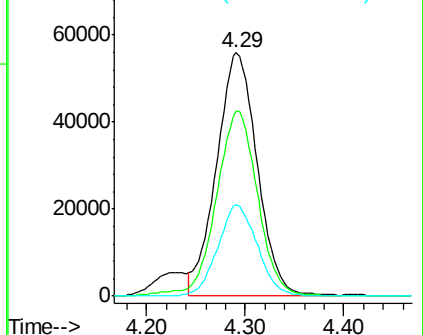
76 36.6 27.0 40.6

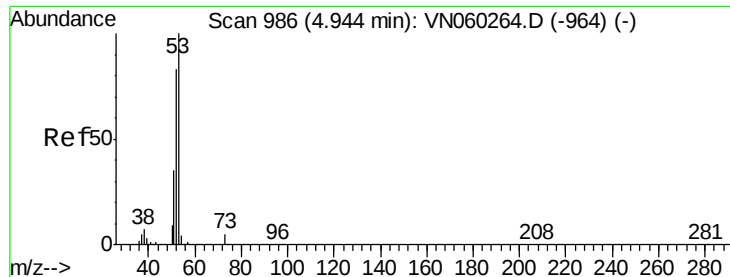


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 253.605 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

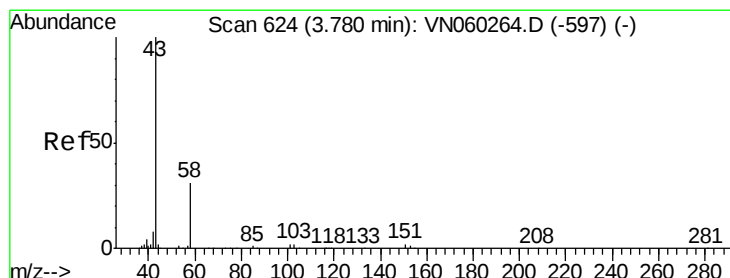
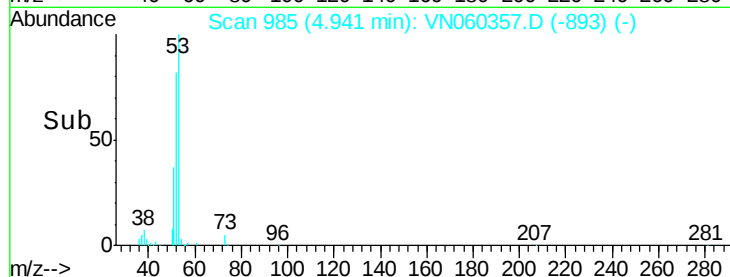
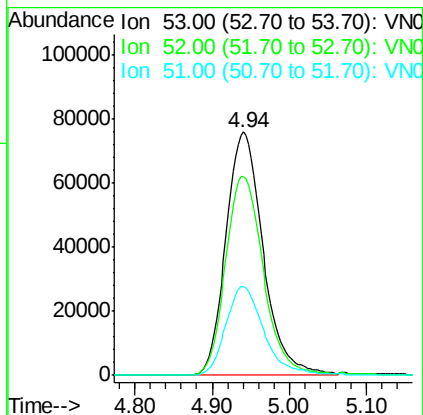
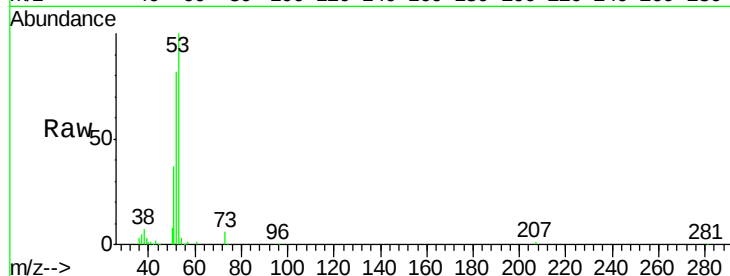
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	253857
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.8	100.2
51	37.3	29.0	43.6

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#16

Acetone

Concen: 249.948 ug/l

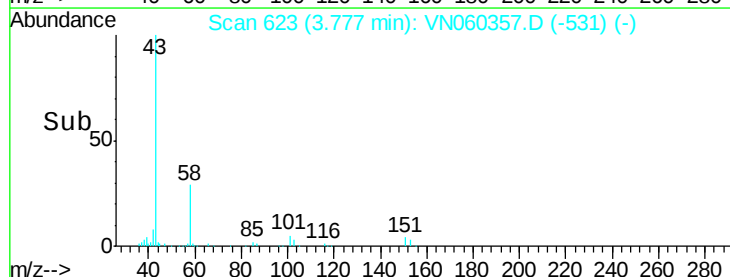
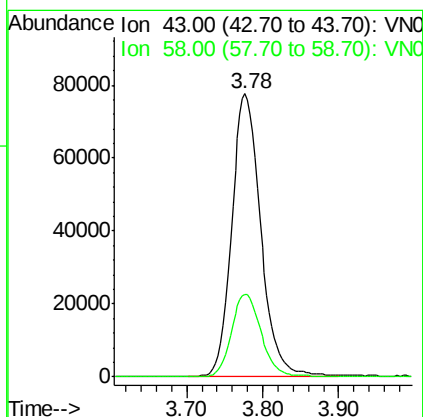
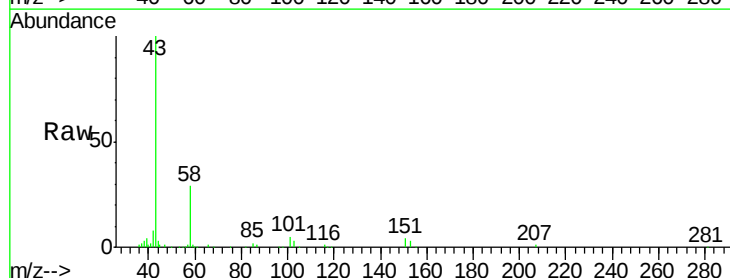
RT: 3.78 min Scan# 623

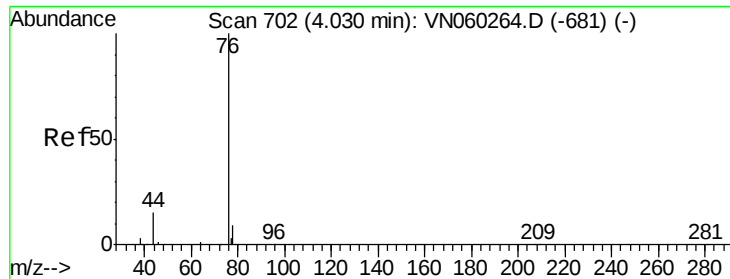
Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	43	Resp:	206437
Ion Ratio	Lower	Upper	
43	100		
58	29.2	24.6	36.8





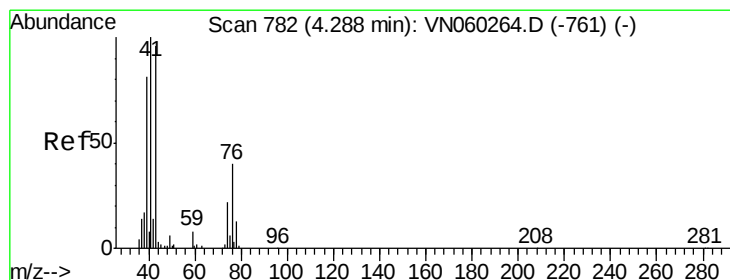
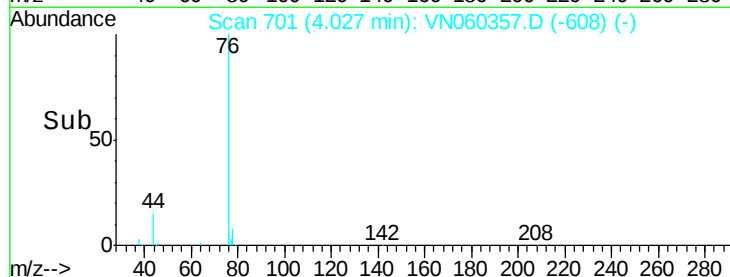
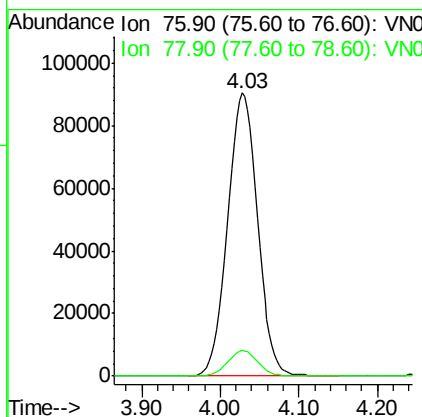
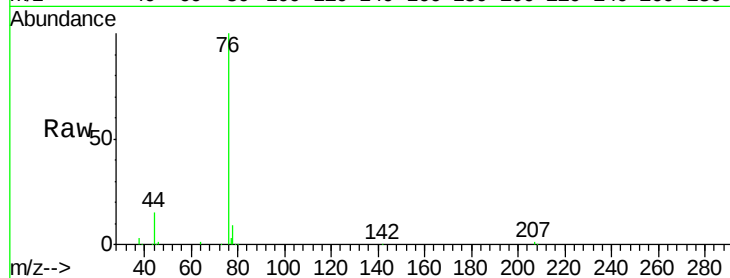
#17
Carbon Disulfide
Concen: 46.963 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

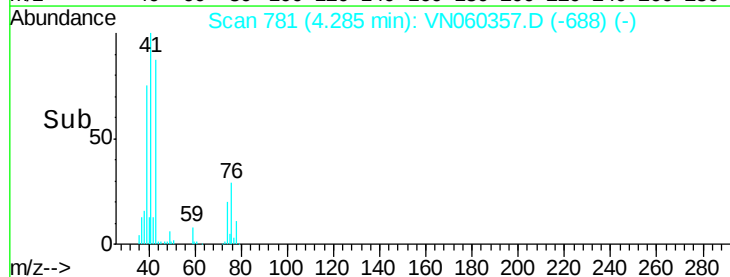
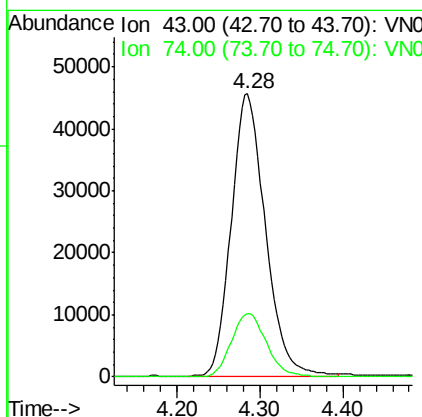
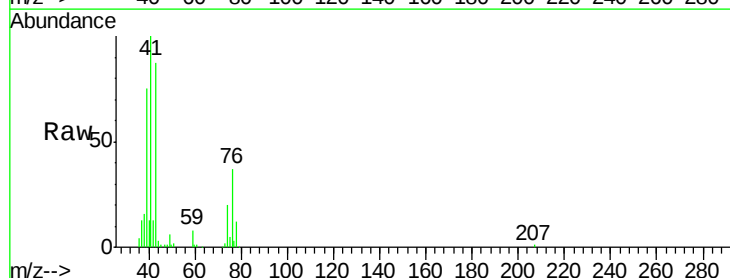
Manual Integrations
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#18
Methyl Acetate
Concen: 47.813 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.8	28.2





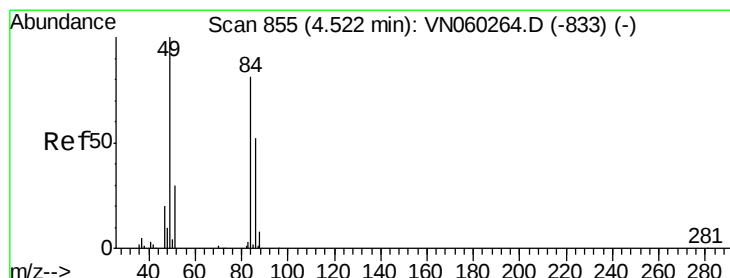
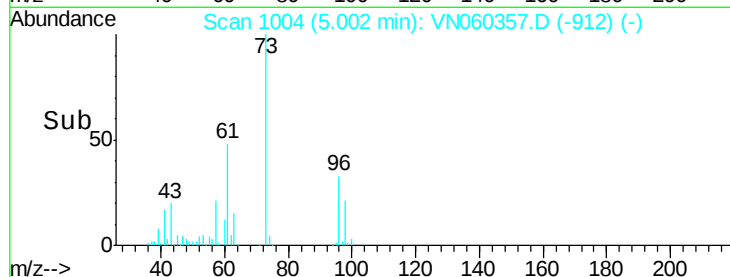
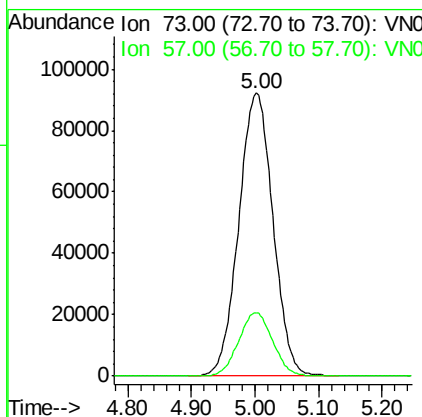
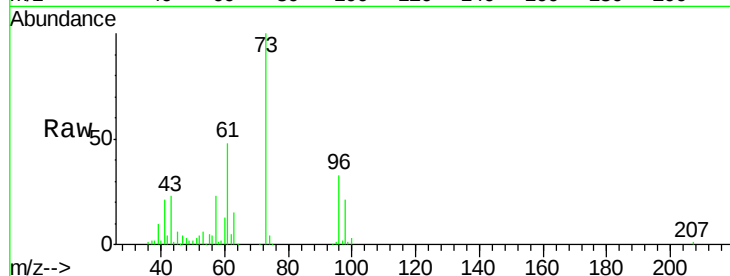
#19
Methvl tert-butvl Ether
Concen: 49.558 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 344587
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9

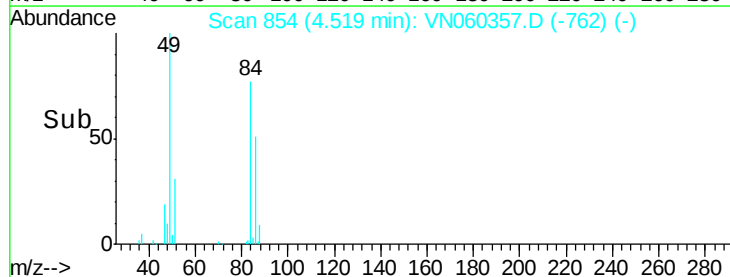
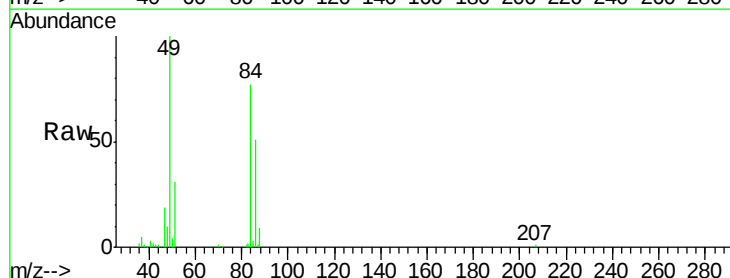
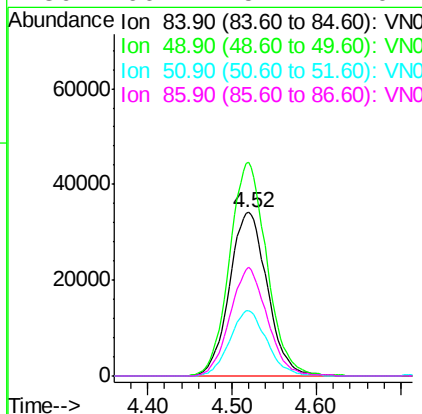
Manual Integrations
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#20
Methylene Chloride
Concen: 47.073 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 84 Resp: 106773
Ion Ratio Lower Upper
84 100
49 130.4 99.3 148.9
51 39.9 30.1 45.1
86 66.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.438 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

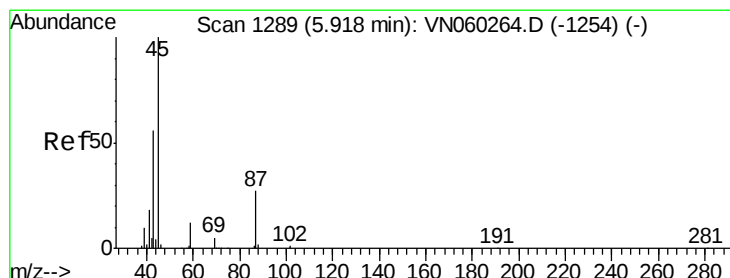
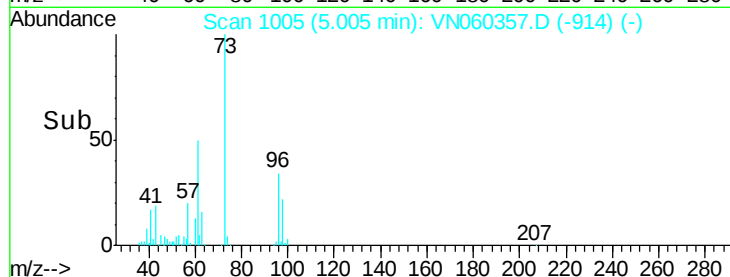
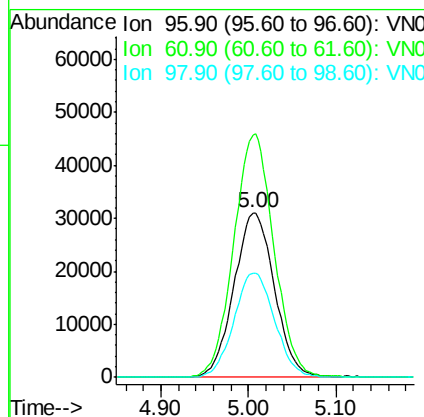
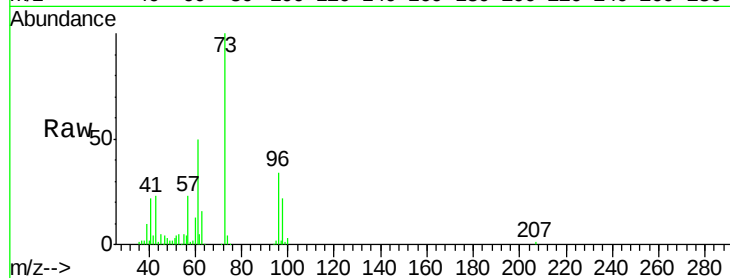
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99694
Ion	Ratio	Lower	Upper
96	100		
61	146.9	113.8	170.8
98	63.1	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.668 ug/l

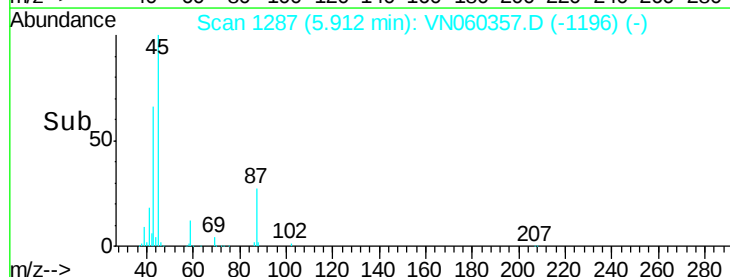
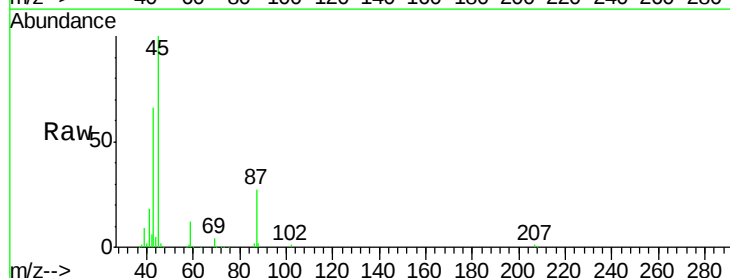
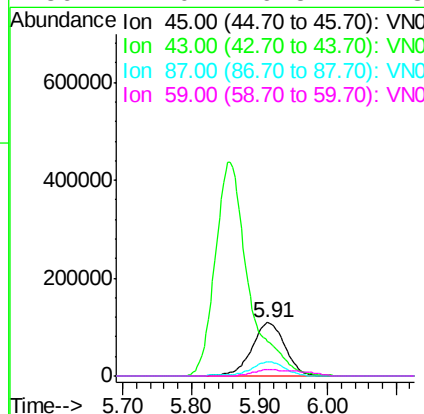
RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	45	Resp:	369558
Ion	Ratio	Lower	Upper
45	100		
43	64.4	48.6	72.8
87	26.6	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 260.273 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1479290

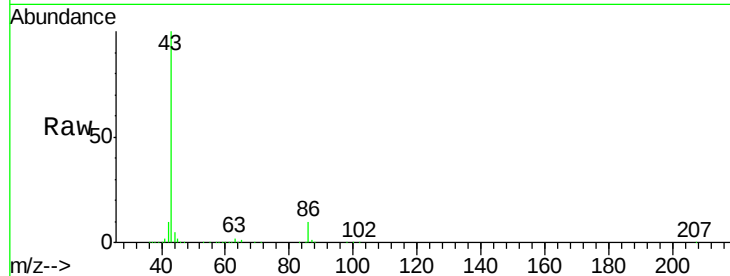
Ion Ratio Lower Upper

43 100

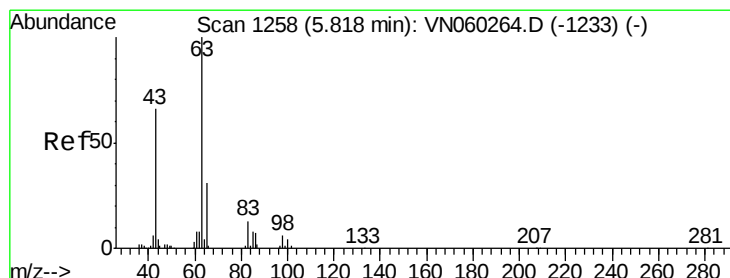
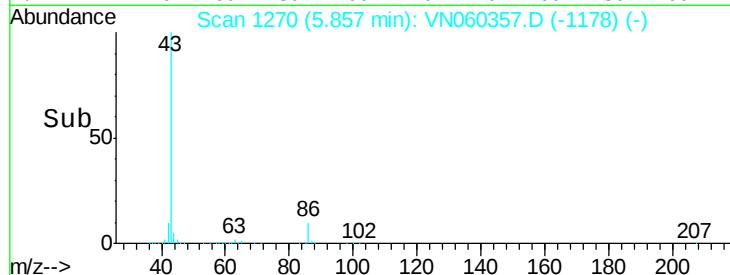
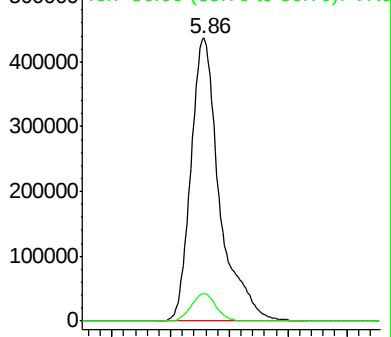
86 9.7 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN060357.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 50.104 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

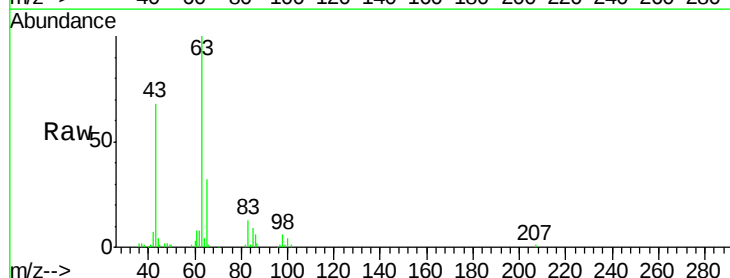
Tgt Ion: 63 Resp: 202861

Ion Ratio Lower Upper

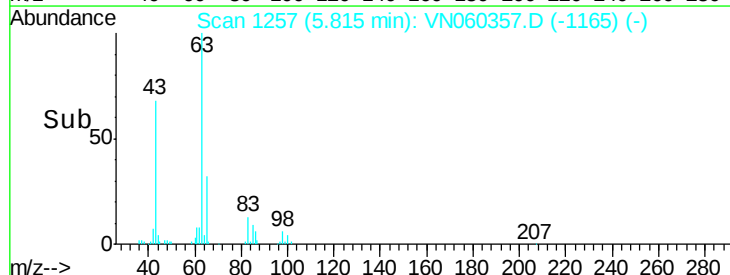
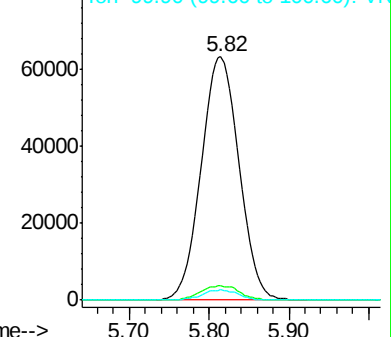
63 100

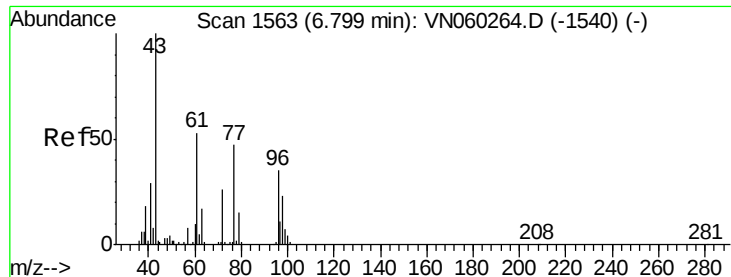
98 5.8 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060357.D (-1165) (-)





#25

2-Butanone

Concen: 258.220 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 344480

Ion Ratio Lower Upper

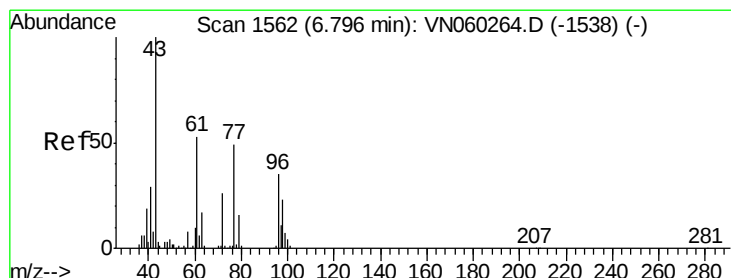
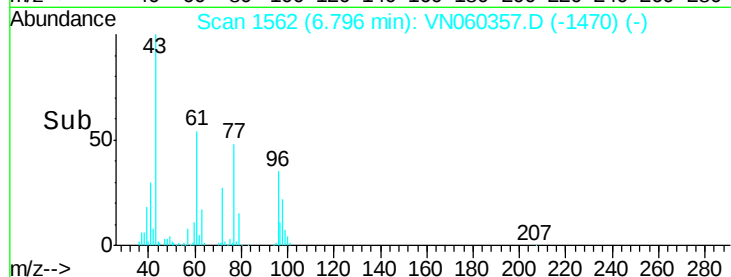
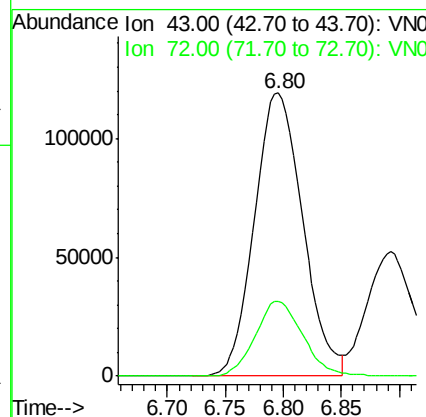
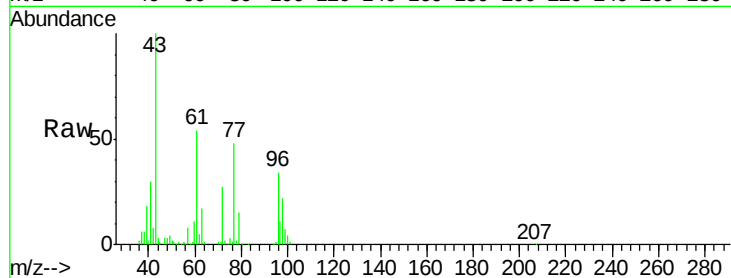
43 100

72 26.6 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 49.998 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060357.D

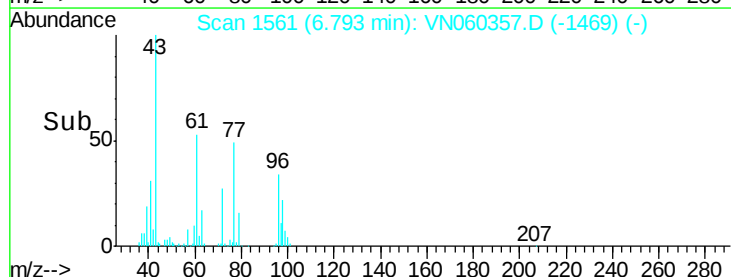
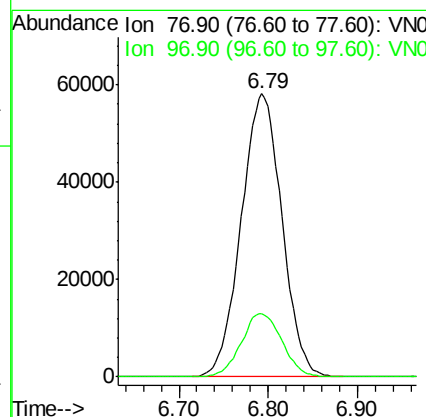
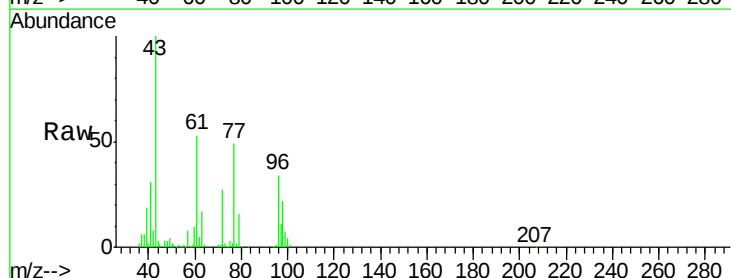
Acq: 5 Mar 2020 10:43

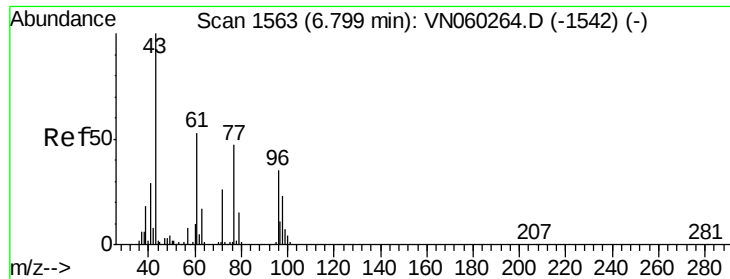
Tgt Ion: 77 Resp: 184290

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.563 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

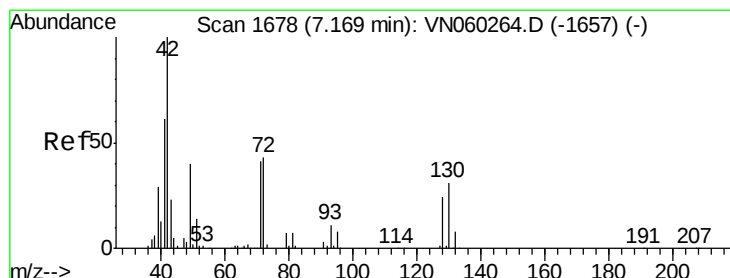
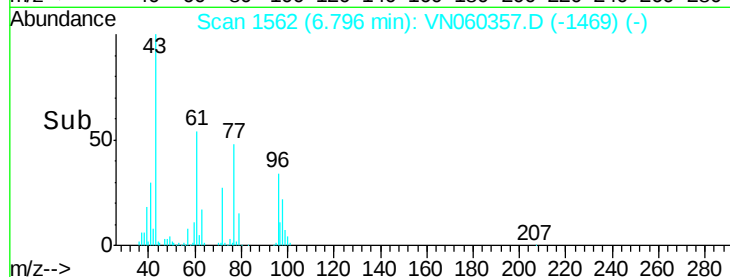
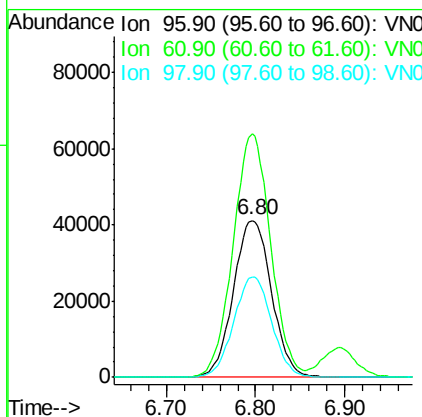
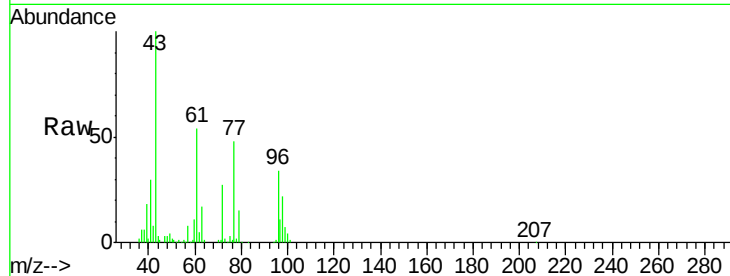
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	122466
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	300.8
98	63.6	0.0	128.2

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#28

Bromochloromethane

Concen: 51.574 ug/l

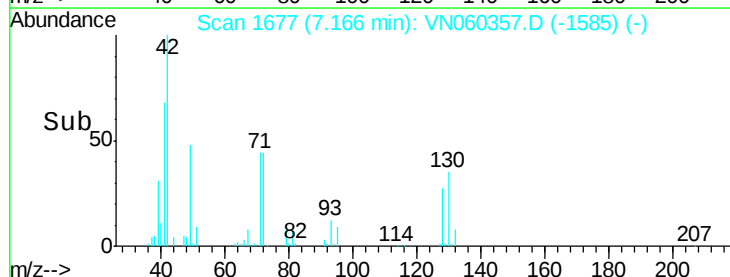
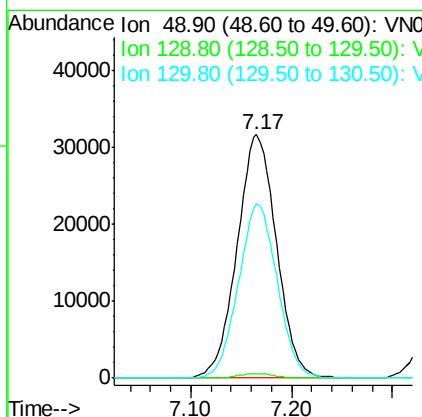
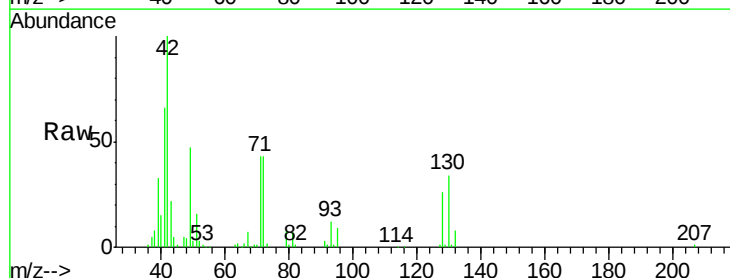
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	49	Resp:	85733
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	70.3	59.8	89.8





#29

Tetrahydrofuran

Concen: 249.371 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

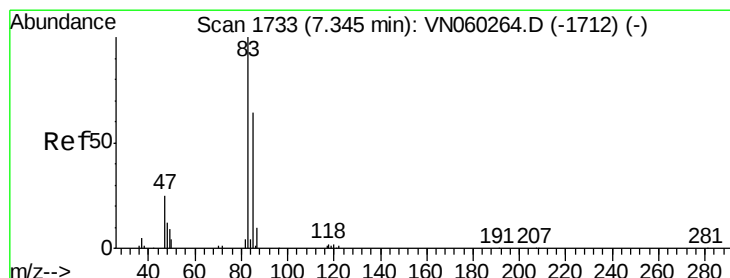
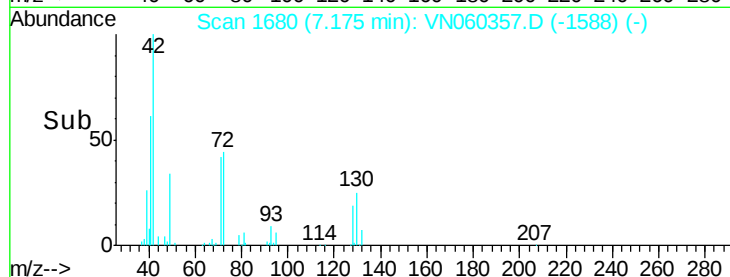
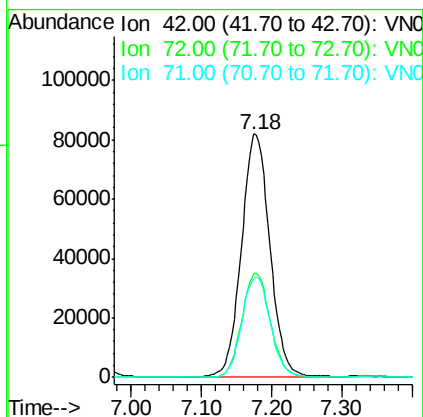
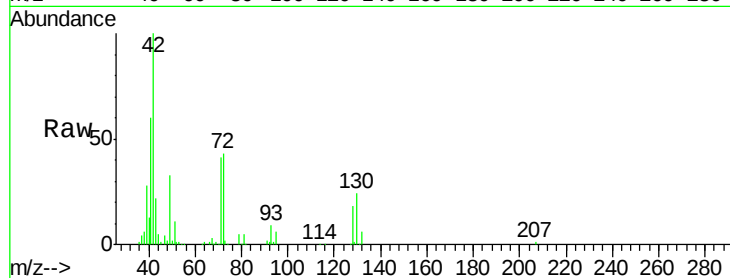
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	231335
Ion Ratio		Lower	Upper
42	100		
72	42.7	34.6	52.0
71	41.0	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 50.263 ug/l

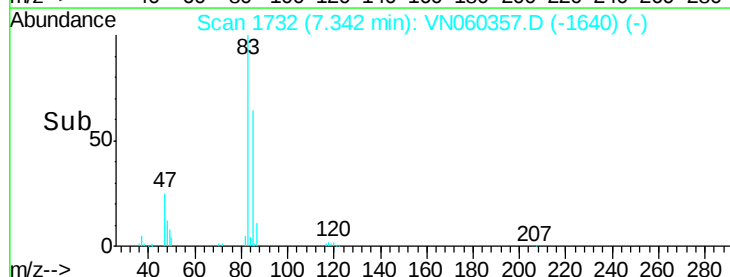
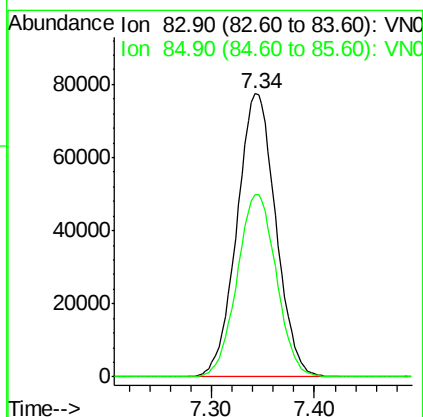
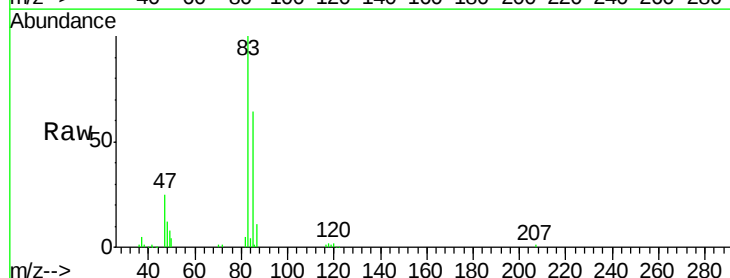
RT: 7.34 min Scan# 1732

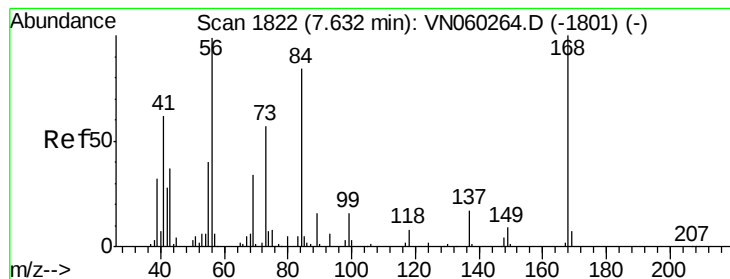
Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	83	Resp:	202584
Ion Ratio		Lower	Upper
83	100		
85	64.3	51.4	77.2





#31

Cyclohexane

Concen: 51.511 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 177833

Ion Ratio Lower Upper

56 100

69 32.8 27.2 40.8

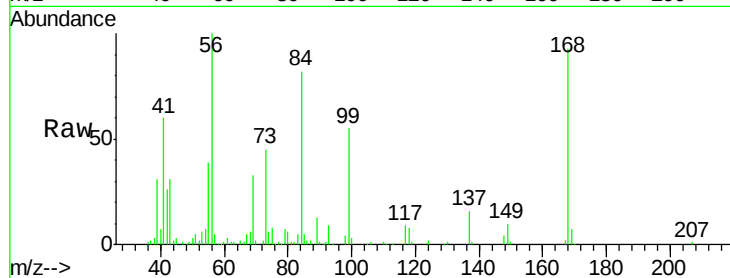
84 81.4 66.7 100.1

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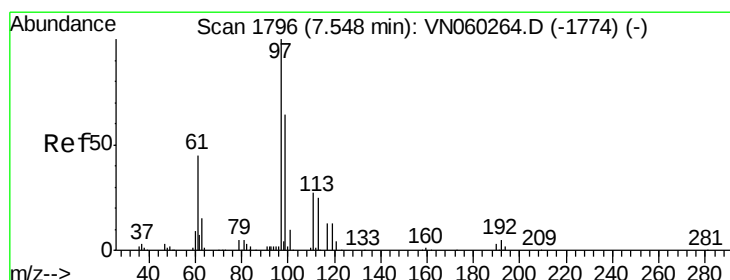
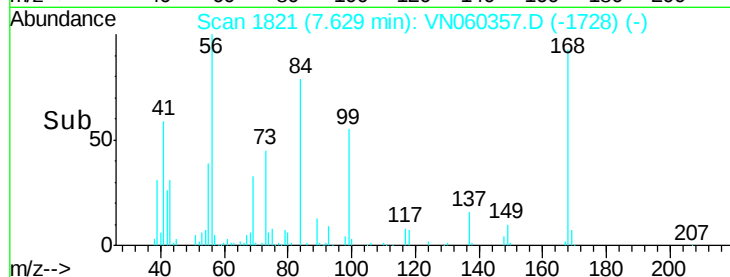
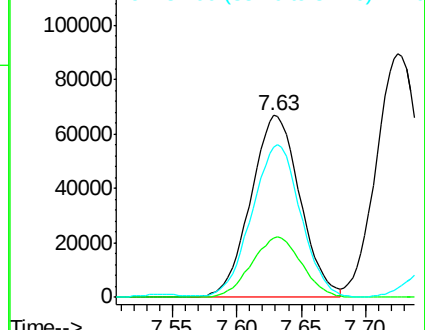
3/6/2020 11:18:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060357.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060357.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060357.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 50.000 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

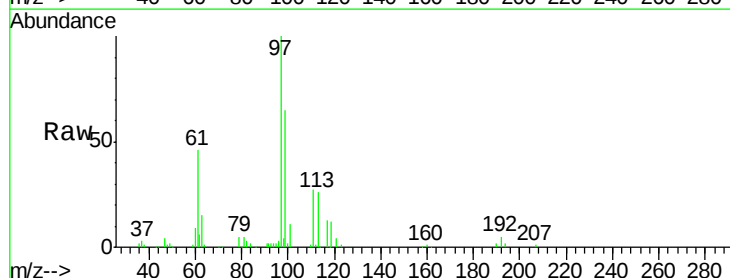
Tgt Ion: 97 Resp: 178553

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

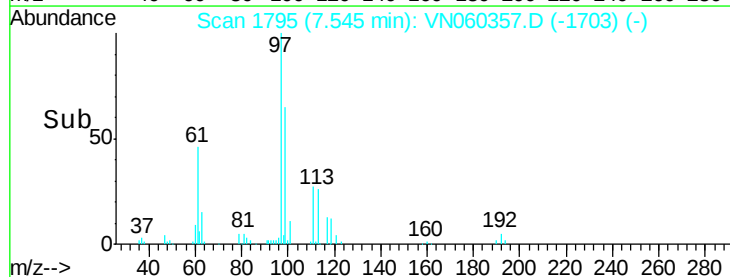
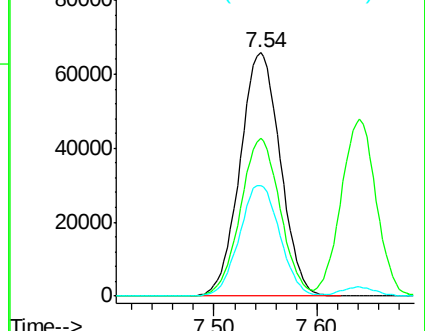
61 45.5 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060357.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060357.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060357.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.601 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 124301

Ion Ratio Lower Upper

65 100

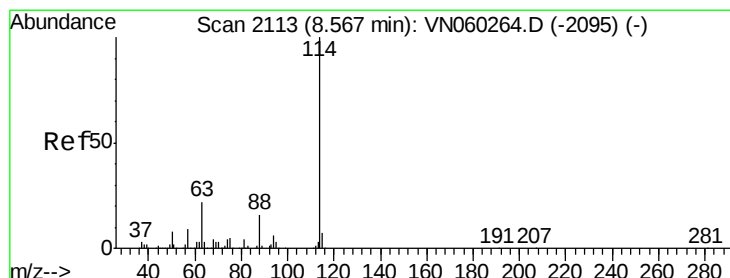
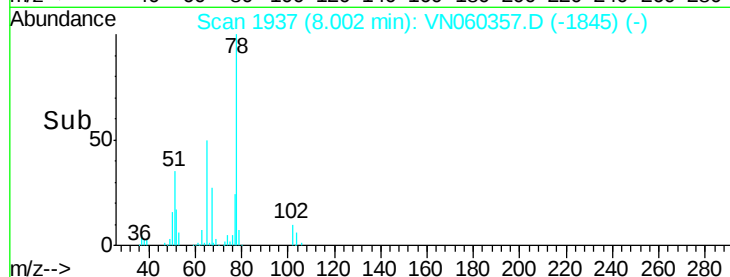
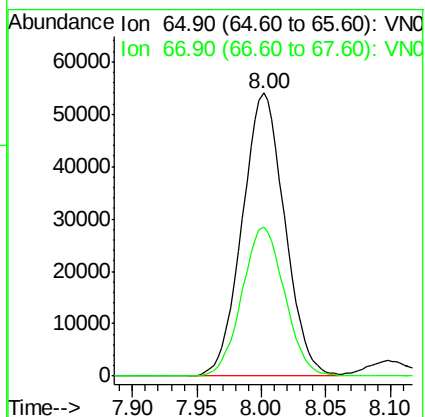
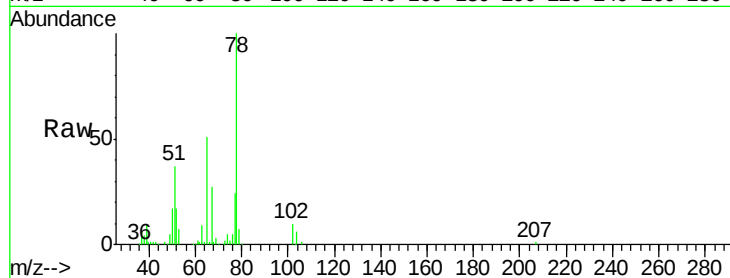
67 52.7 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

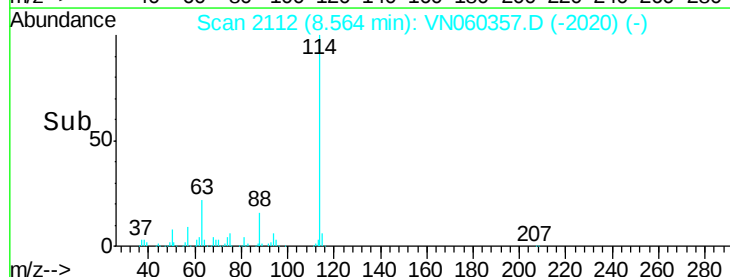
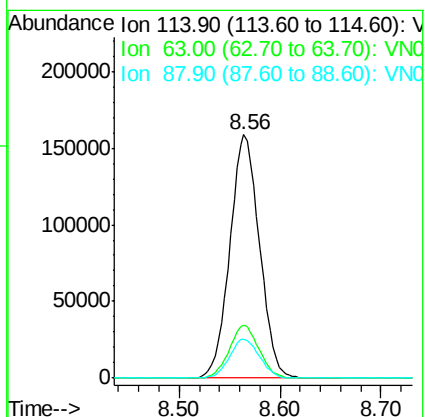
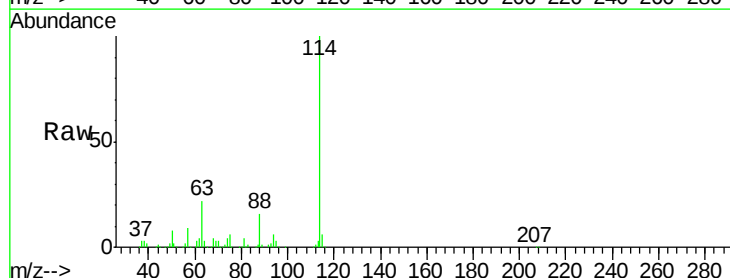
Tgt Ion: 114 Resp: 323749

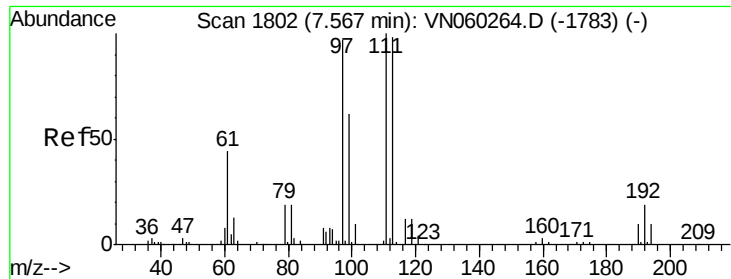
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 16.0 0.0 31.6





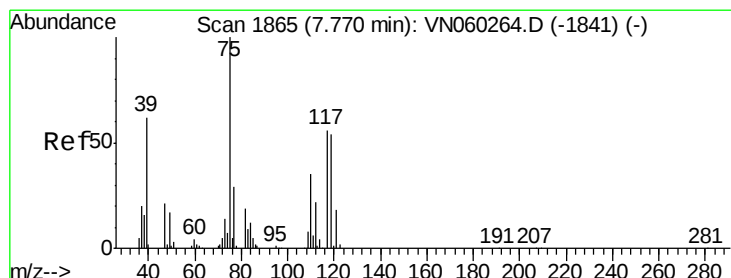
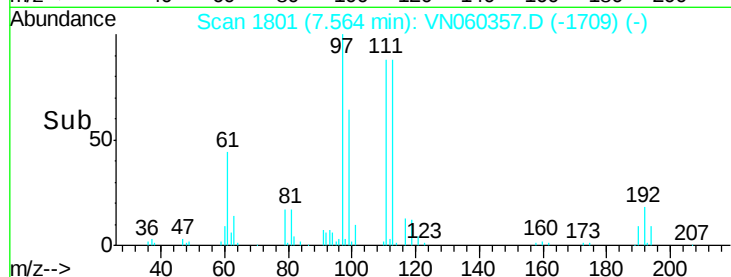
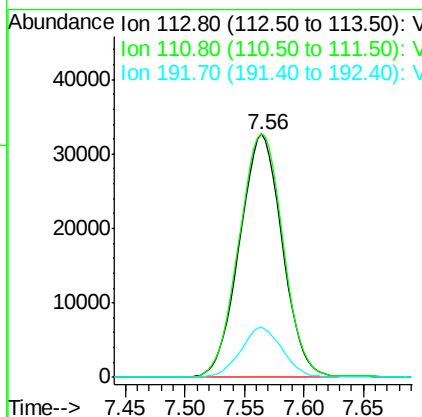
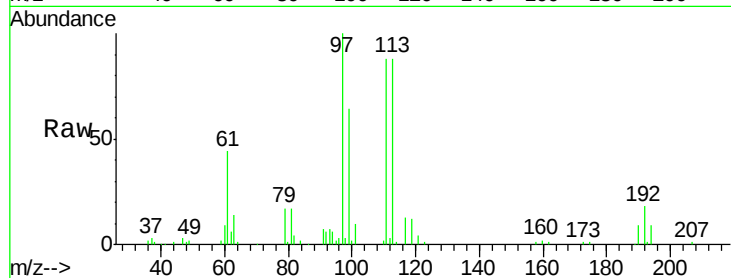
#35
Dibromofluoromethane
Concen: 54.161 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.0	16.2	24.2

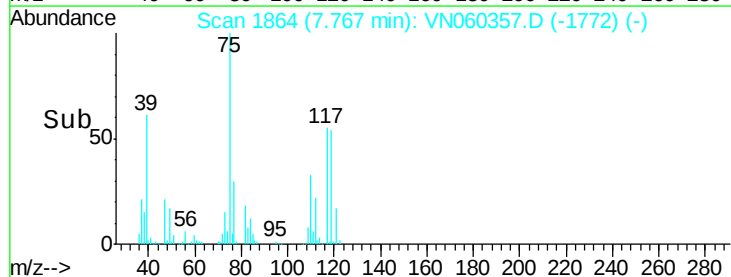
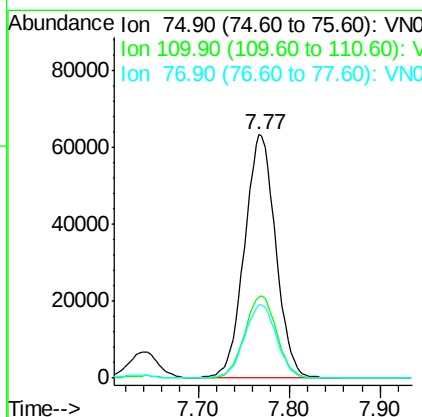
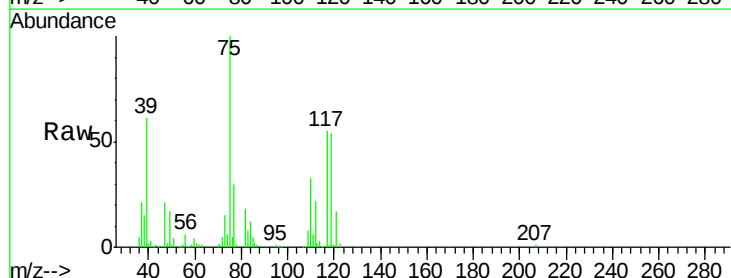
Manual Integrations
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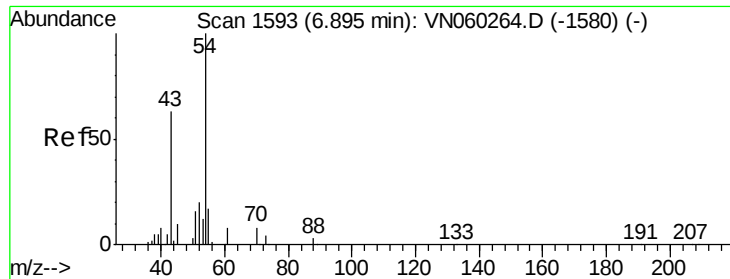
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.895 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	31.1	24.2	36.2





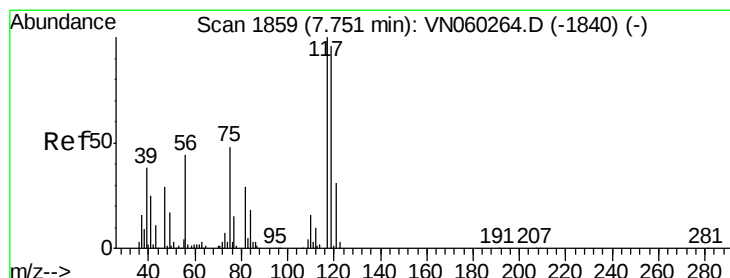
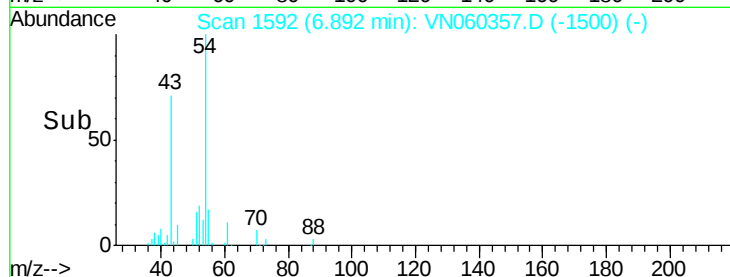
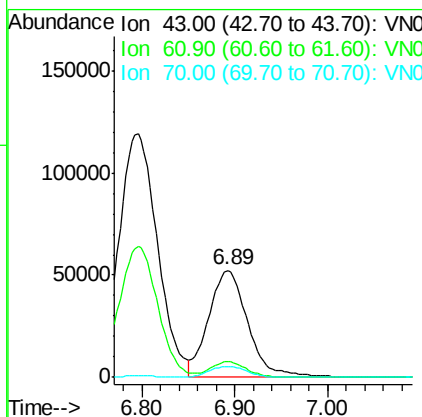
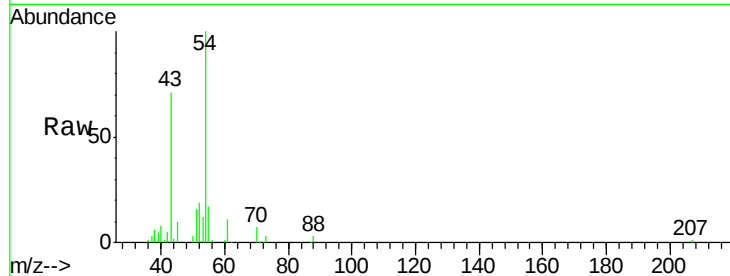
#37
Ethyl Acetate
Concen: 51.471 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.0	11.1	16.7	
70	10.1	8.4	12.6	

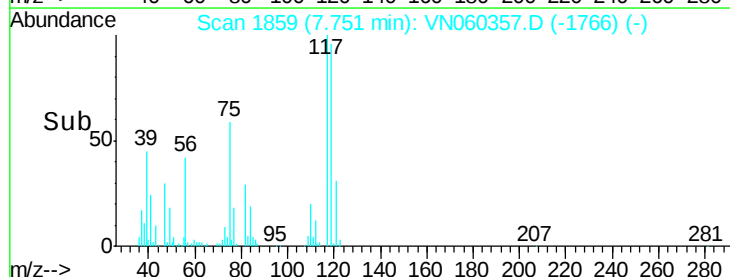
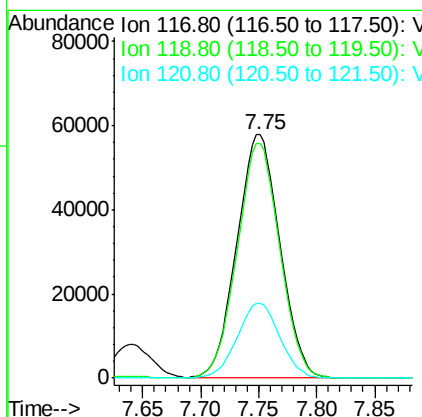
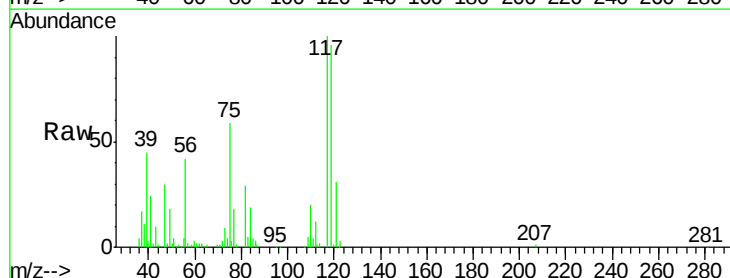
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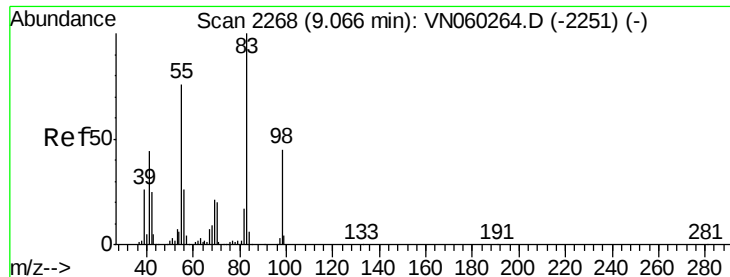
MMDadoda
3/6/2020 11:18:12 AM



#38
Carbon Tetrachloride
Concen: 49.684 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.5	76.7	115.1	
121	30.7	24.5	36.7	





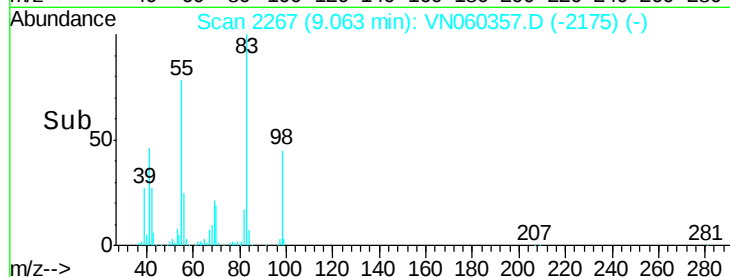
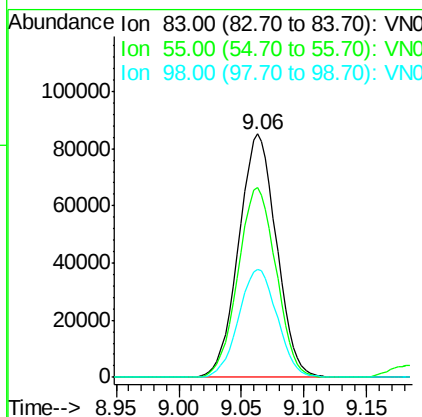
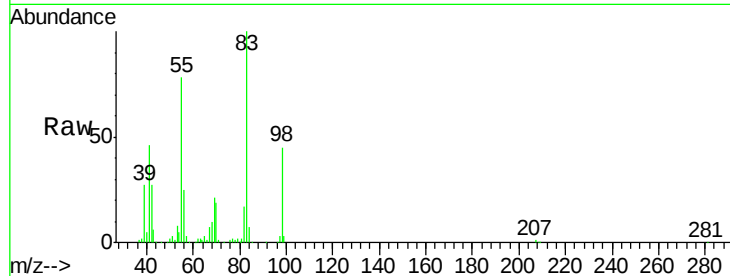
#39
Methvlcvclohexane
Concen: 49.039 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.0	91.4
98	44.6	36.1	54.1

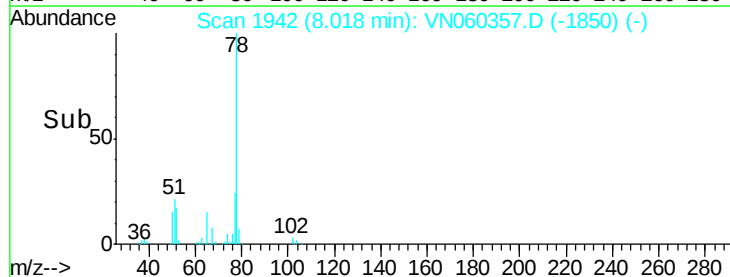
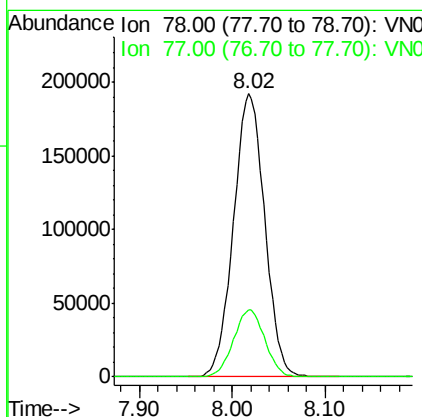
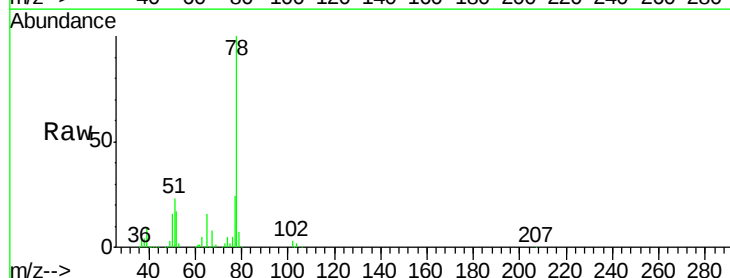
Manual Integrations
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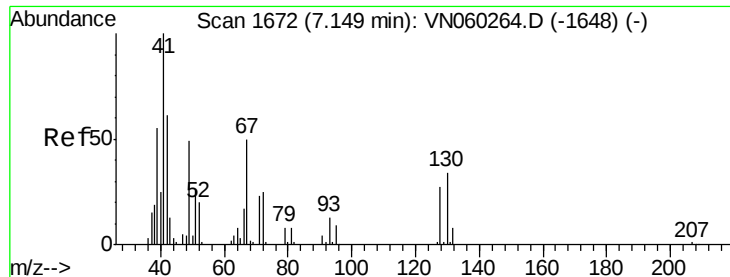
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#40
Benzene
Concen: 50.030 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





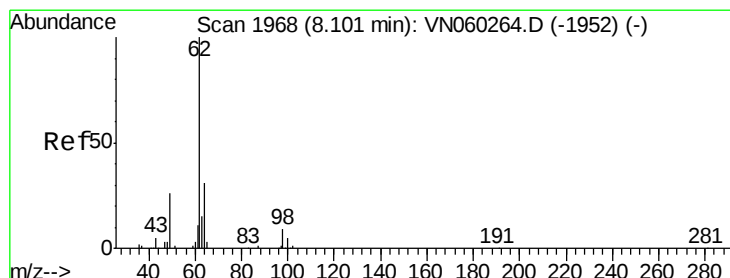
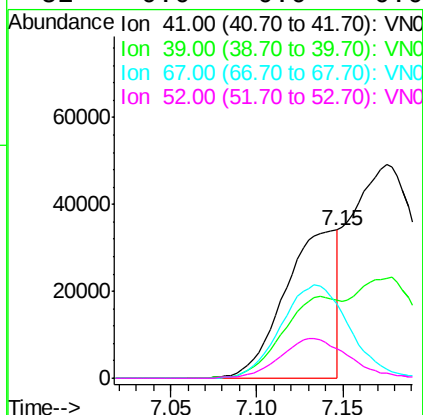
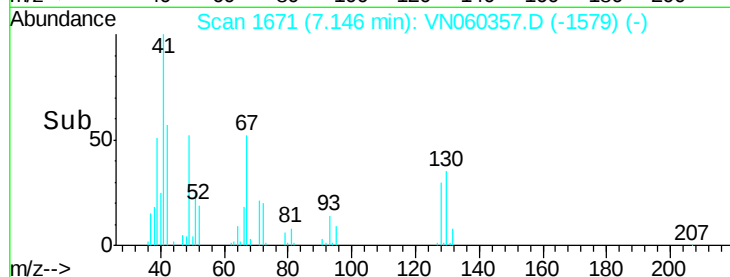
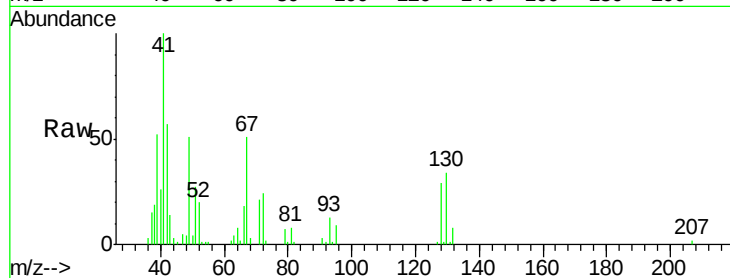
#41
Methacrylonitrile
Concen: 53.152 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	71702
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

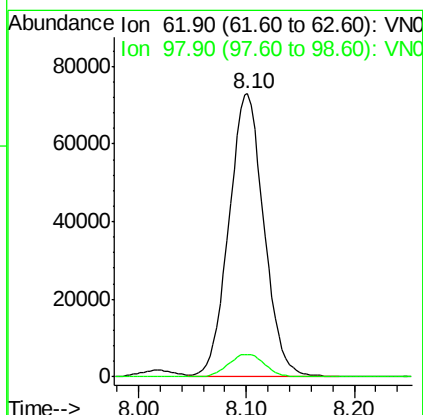
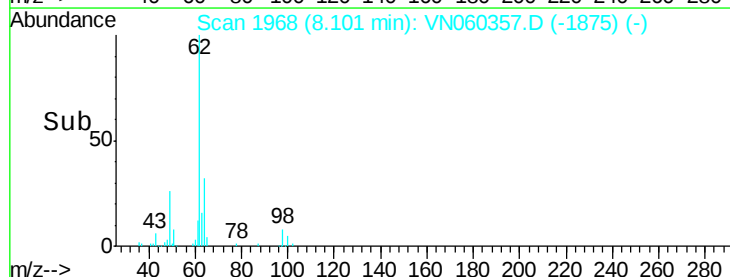
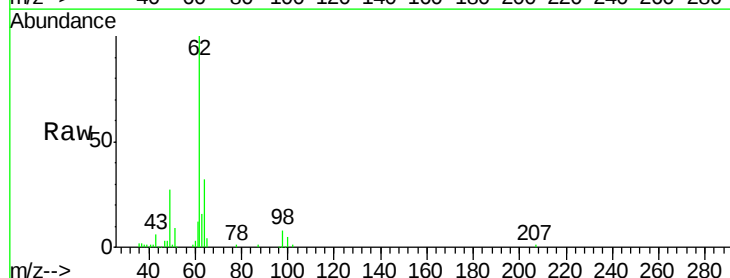
Manual Integrations
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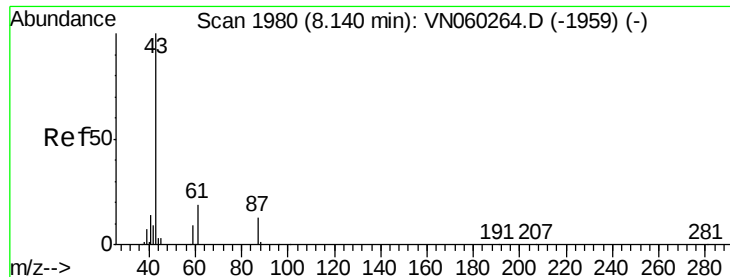
MMDadoda
3/6/2020 11:18:12 AM



#42
1,2-Dichloroethane
Concen: 50.776 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	62	Resp	164550
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 51.690 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

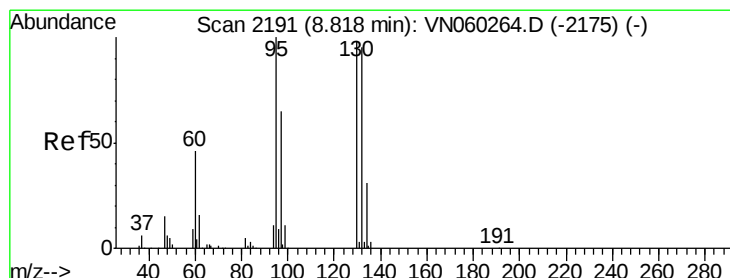
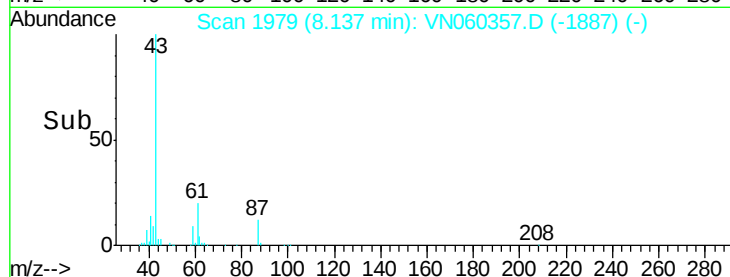
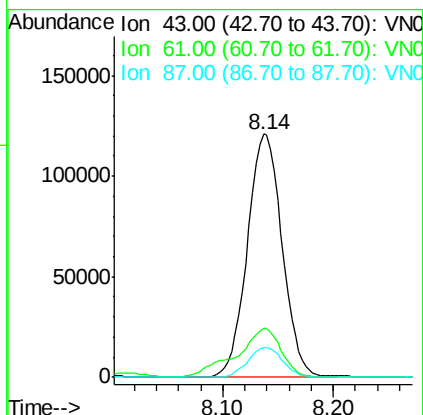
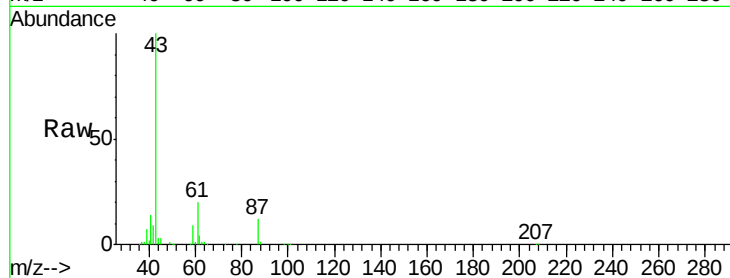
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	264380
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.4	10.6	16.0

Manual Integrations
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3/6/2020 11:18:12 AM



#44

Trichloroethene

Concen: 48.833 ug/l

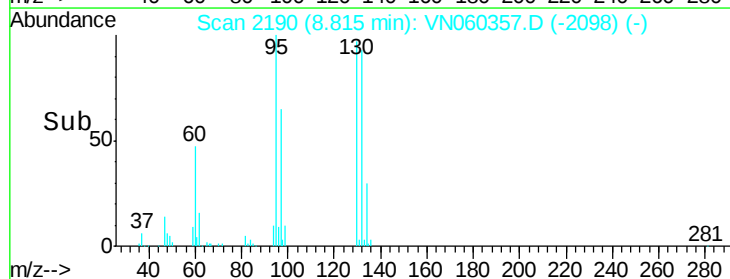
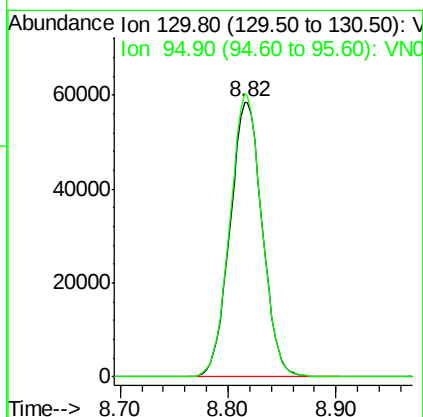
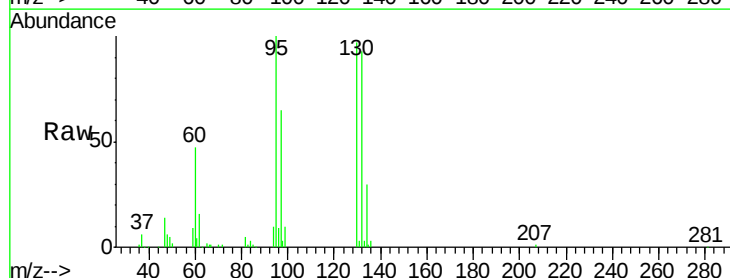
RT: 8.82 min Scan# 2190

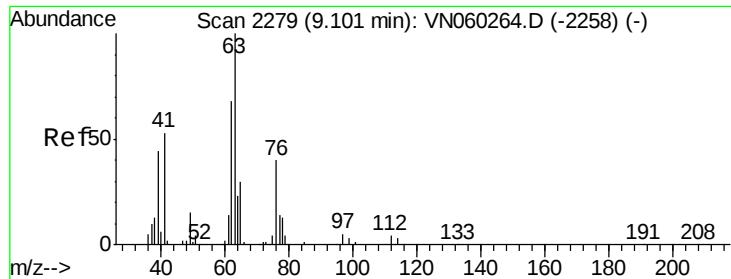
Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	130	Resp:	122137
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.4





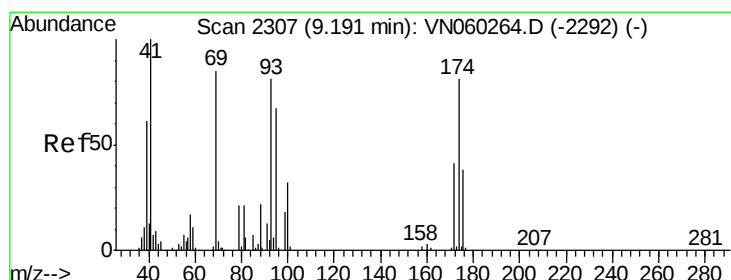
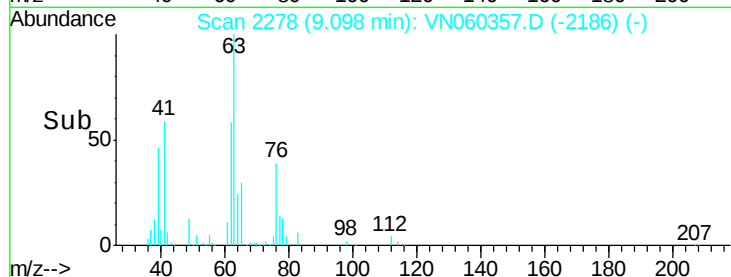
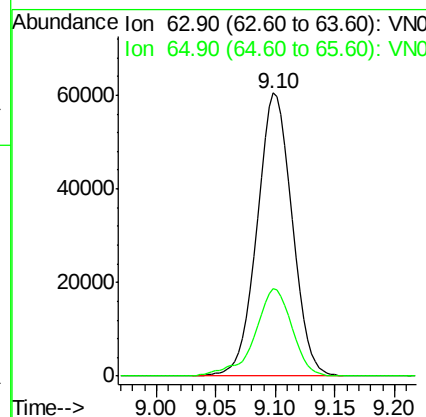
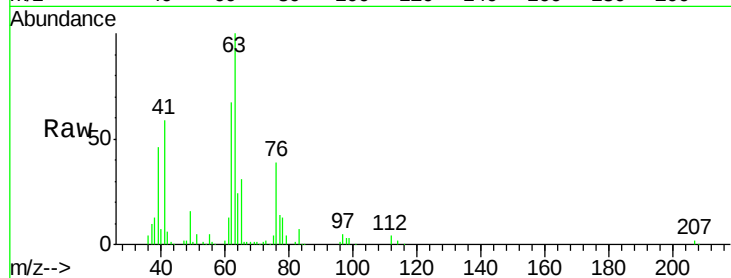
#45
 1,2-Dichloropropane
 Concen: 52.579 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.4	36.6

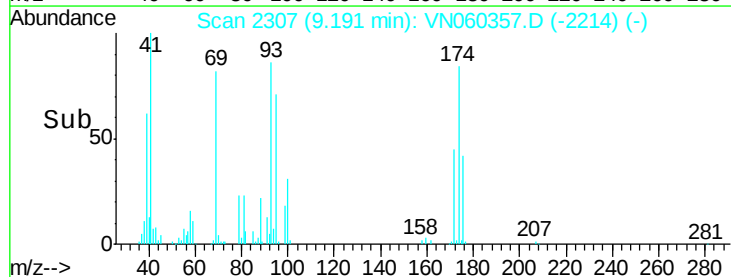
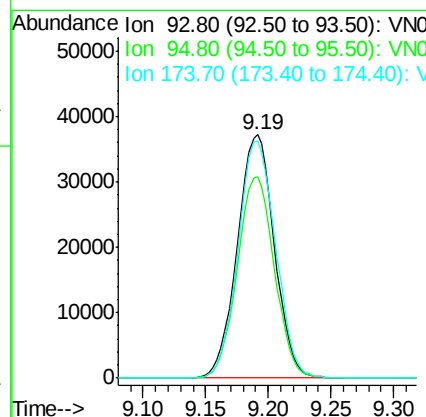
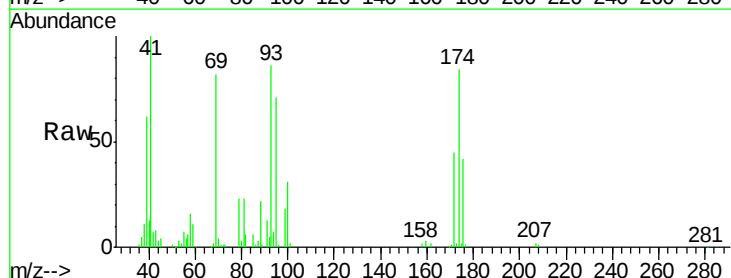
Manual Integrations
 APPROVED

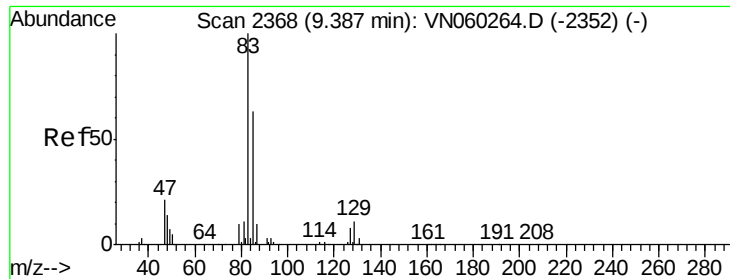
MMDadoda
 3/6/2020 11:18:12 AM



#46
 Dibromomethane
 Concen: 50.203 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.9	98.9
174	98.5	79.6	119.4





#47

Bromodichloromethane

Concen: 52.913 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

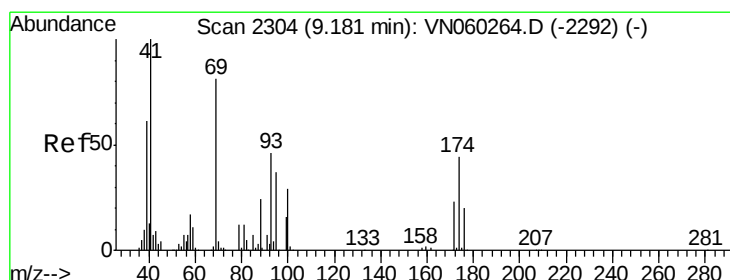
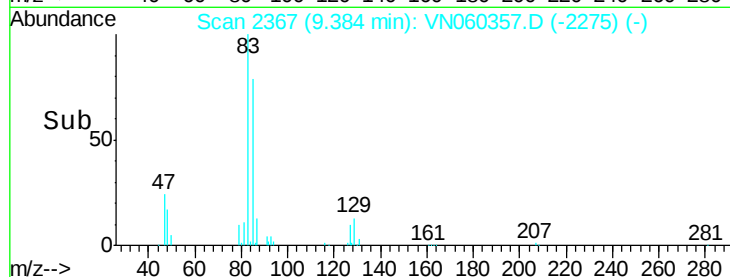
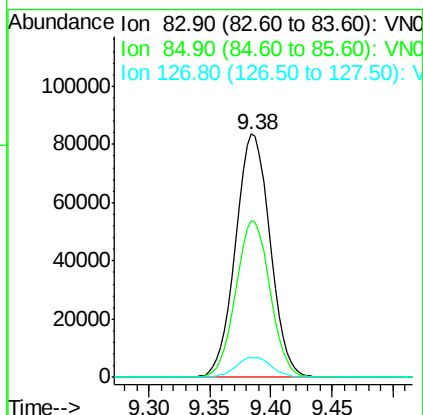
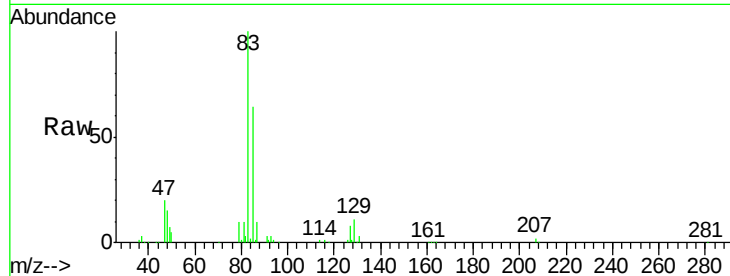
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	163956
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.7	76.1
127	8.3	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:12 AM



#48

Methyl methacrylate

Concen: 50.511 ug/l

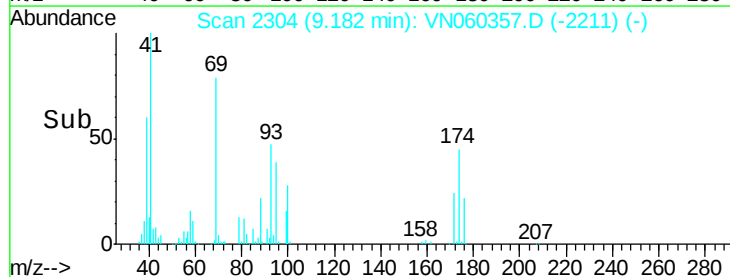
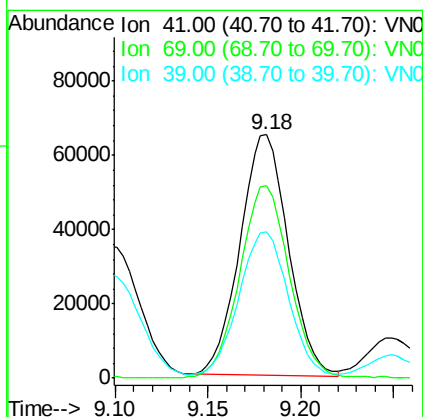
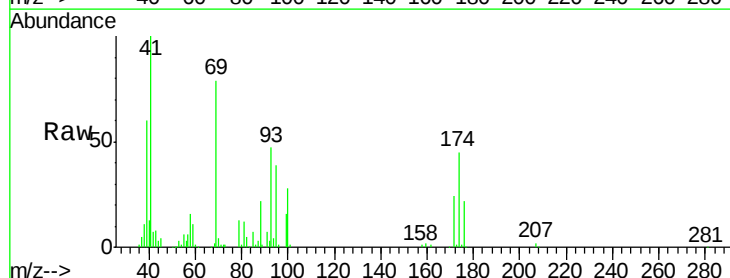
RT: 9.18 min Scan# 2304

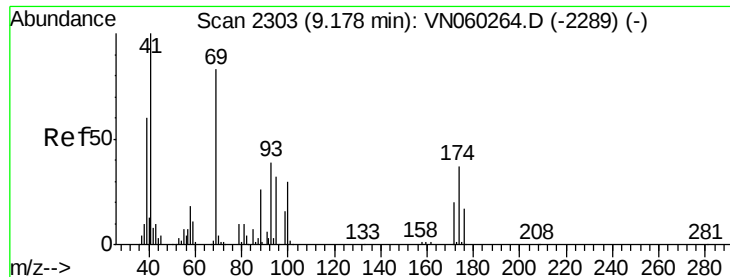
Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	41	Resp:	117810
Ion	Ratio	Lower	Upper
41	100		
69	82.4	66.7	100.1
39	63.6	50.1	75.1





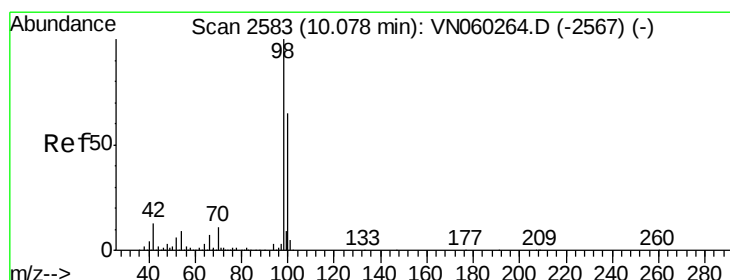
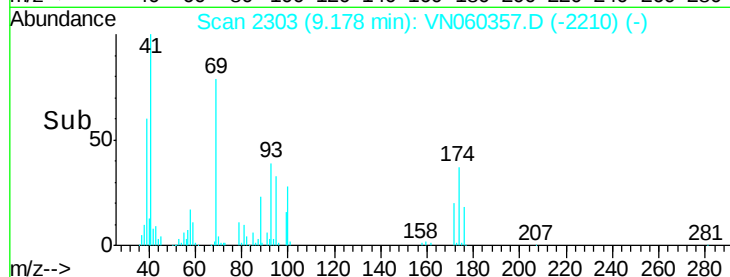
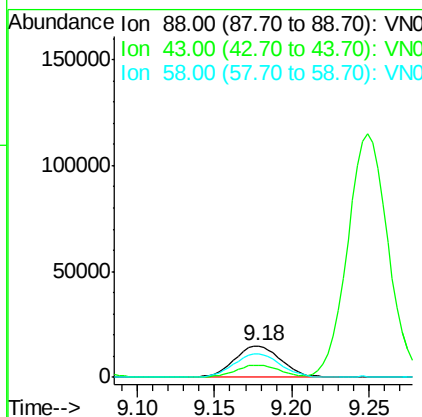
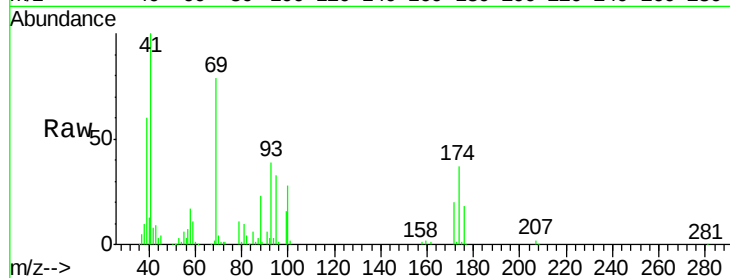
#49
1,4-Dioxane
Concen: 949.191 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.4	45.6
58	73.5	57.0	85.6

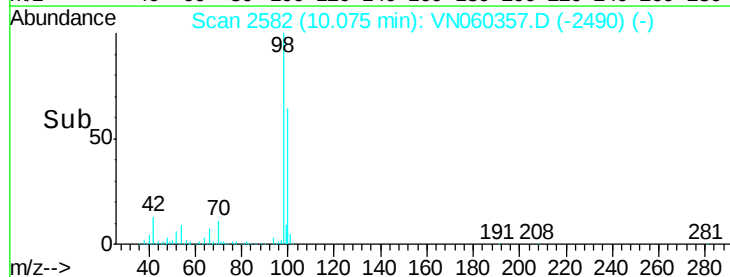
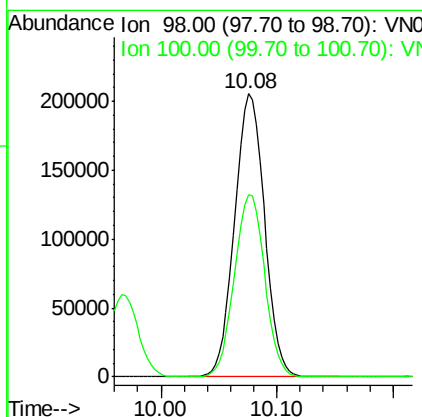
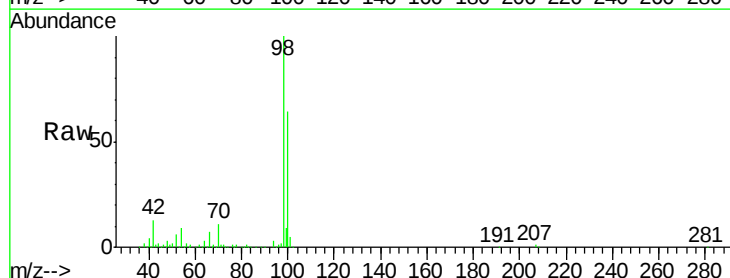
Manual Integrations
APPROVED

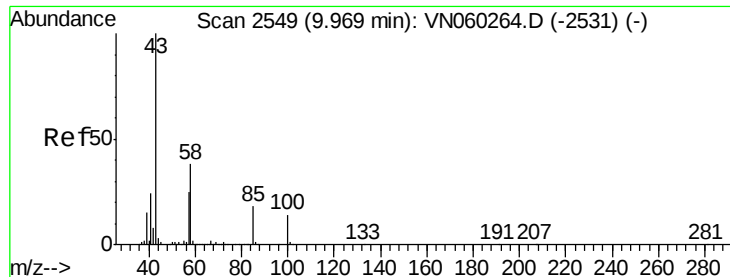
MMDadoda
3/6/2020 11:18:12 AM



#50
Toluene-d8
Concen: 48.435 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 263.462 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 764026

Ion Ratio Lower Upper

43 100

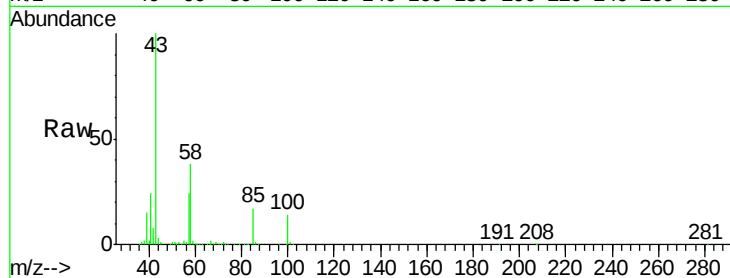
58 38.4 30.9 46.3

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

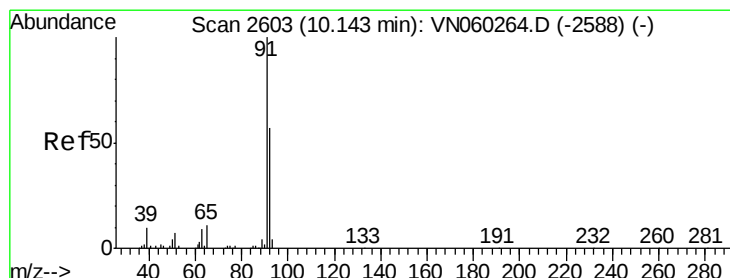
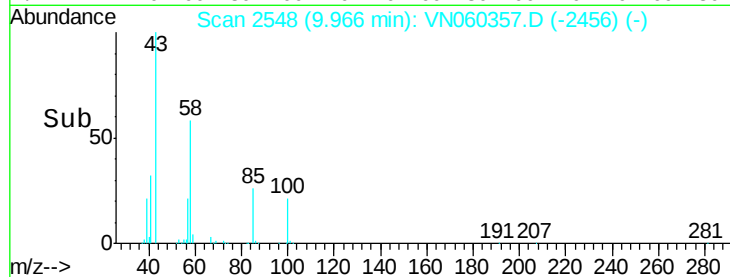
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.359 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060357.D

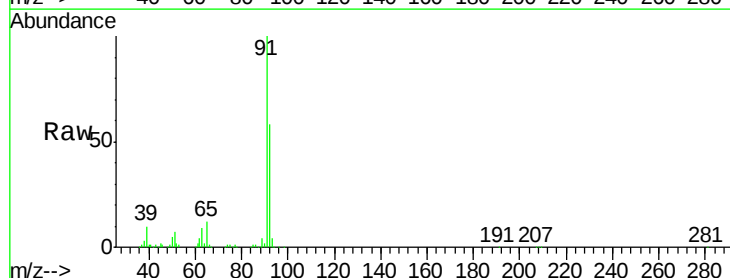
Acq: 5 Mar 2020 10:43

Tgt Ion: 92 Resp: 284086

Ion Ratio Lower Upper

92 100

91 172.9 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

300000

250000

200000

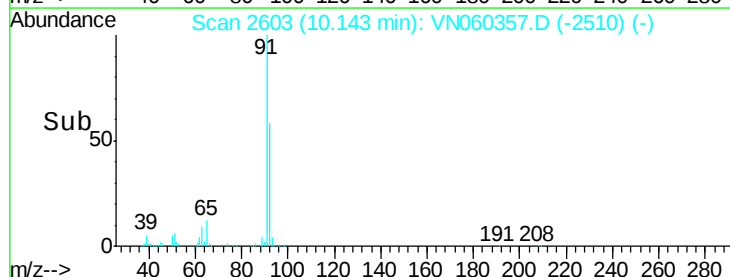
150000

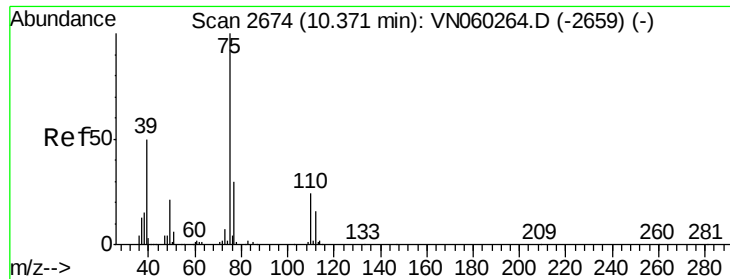
100000

50000

0

Time-->





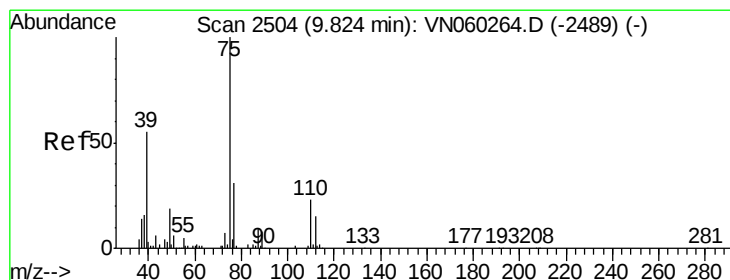
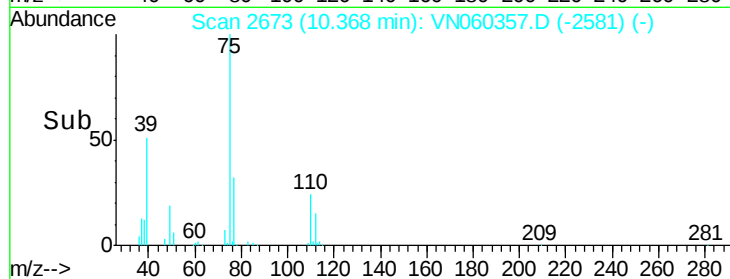
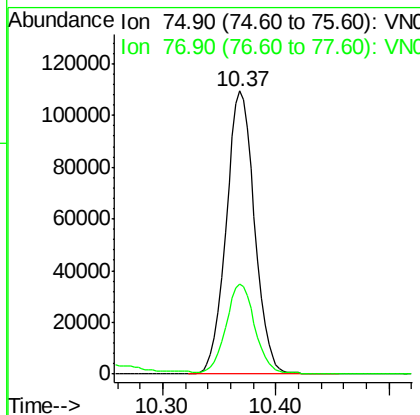
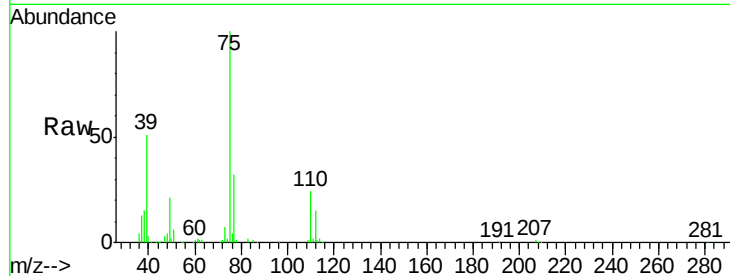
#53
t-1,3-Dichloropropene
Concen: 50.180 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

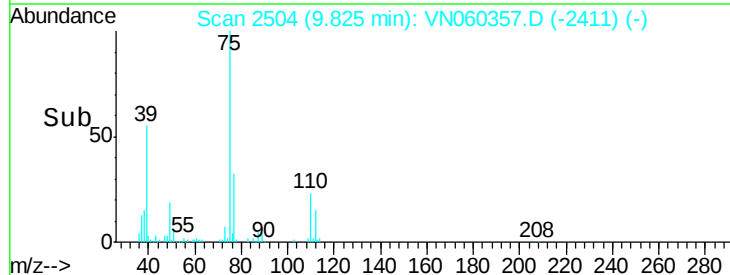
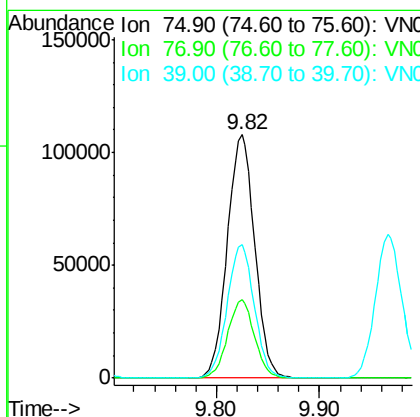
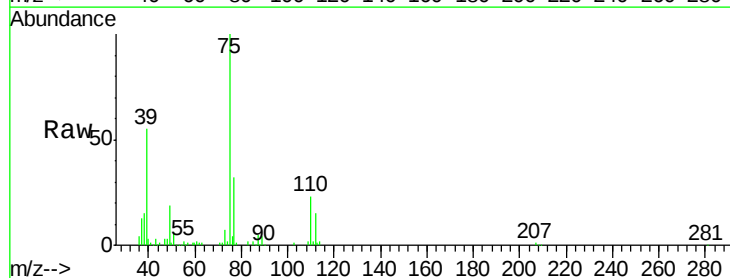
Manual Integrations
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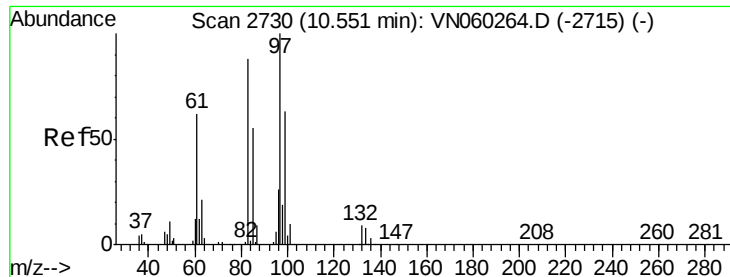
MMDadoda
3/6/2020 11:18:12 AM



#54
cis-1,3-Dichloropropene
Concen: 50.767 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	54.6	43.8	65.8





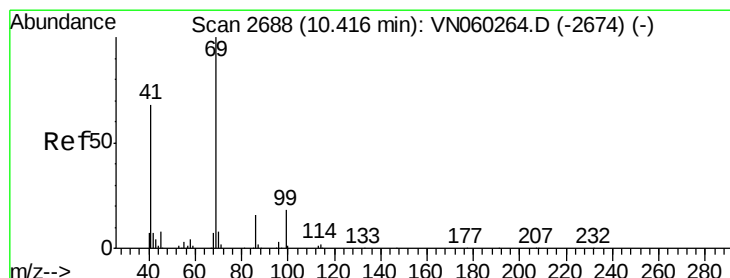
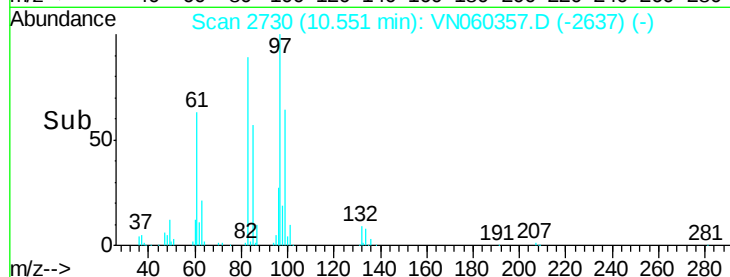
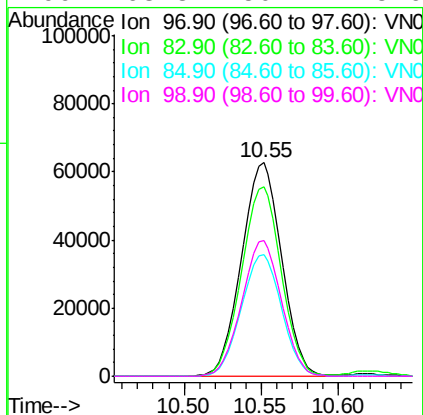
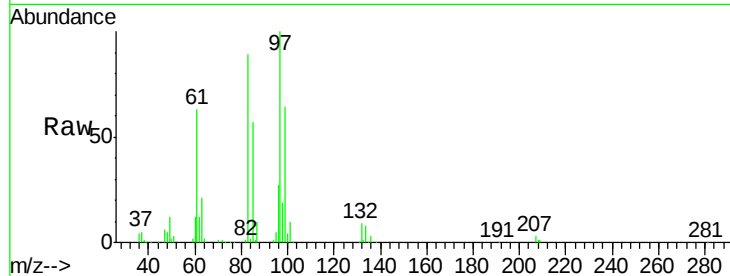
#55
 1,1,2-Trichloroethane
 Concen: 49.924 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.0	105.0
85	57.1	44.0	66.0
99	63.8	50.4	75.6

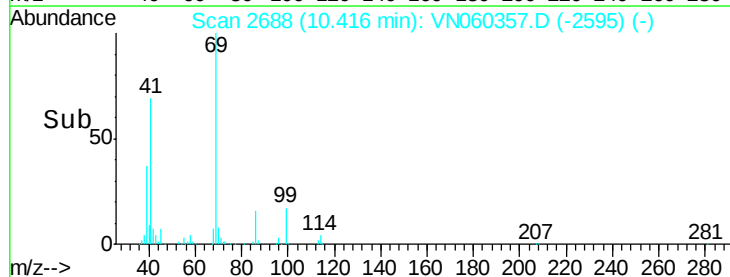
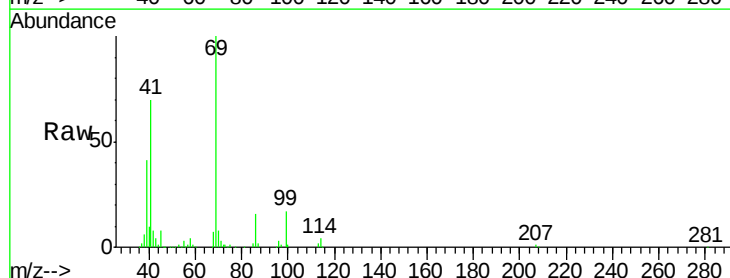
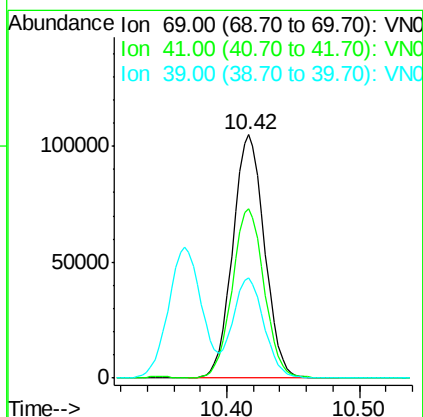
Manual Integrations
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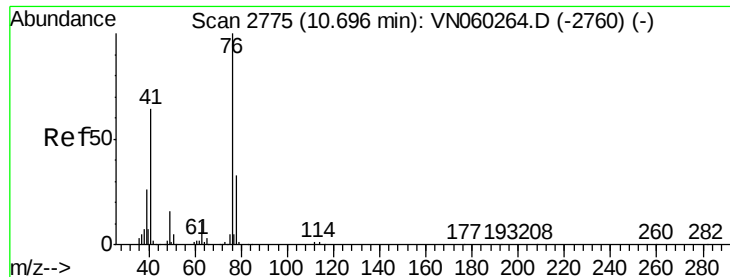
MMDadoda
 3/6/2020 11:18:12 AM



#56
 Ethyl methacrylate
 Concen: 53.571 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	40.7	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.940 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 192158

Ion Ratio Lower Upper

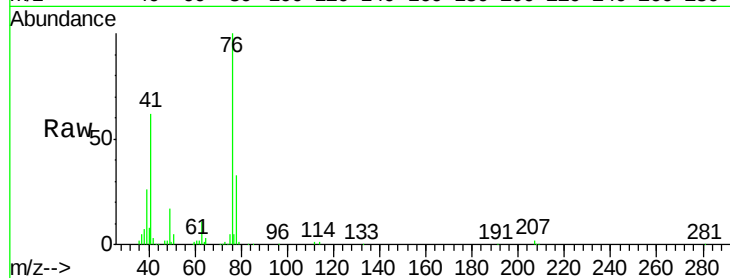
76 100

78 32.6 26.2 39.2

Manual Integrations
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MMDadoda

3/6/2020 11:18:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

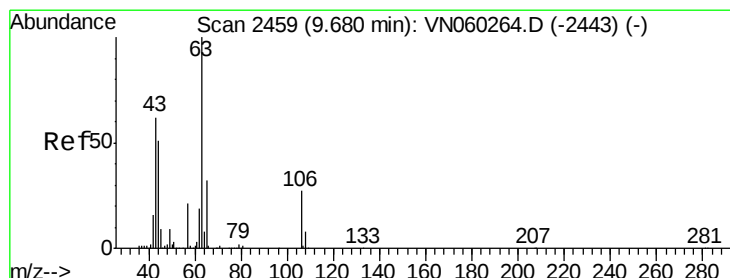
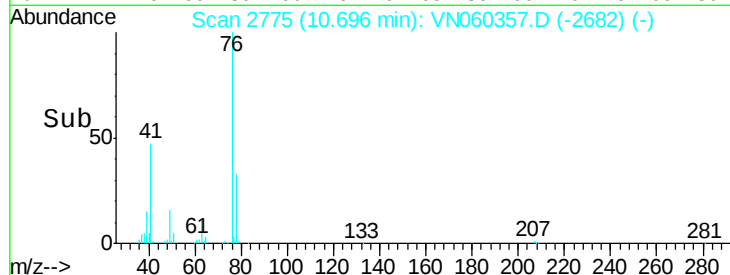
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 297.650 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060357.D

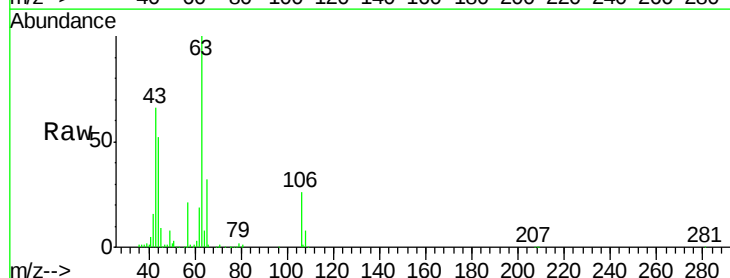
Acq: 5 Mar 2020 10:43

Tgt Ion: 63 Resp: 507363

Ion Ratio Lower Upper

63 100

106 26.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

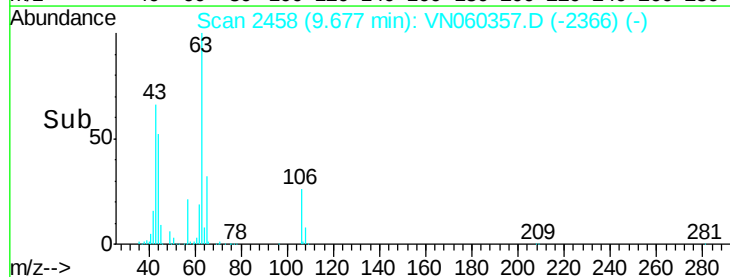
300000

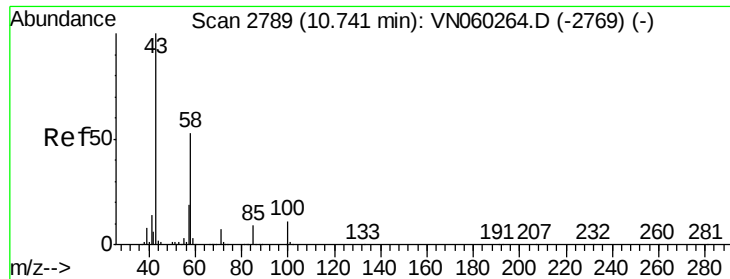
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80





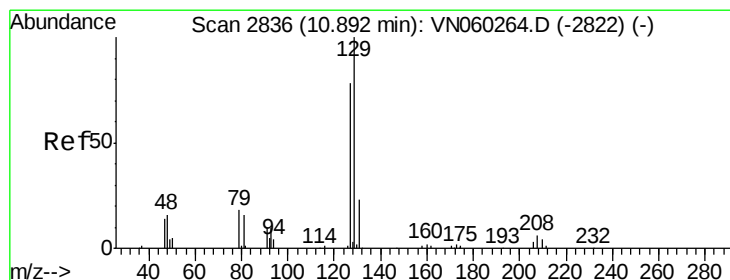
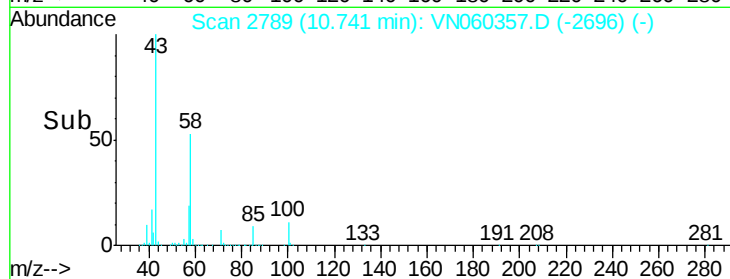
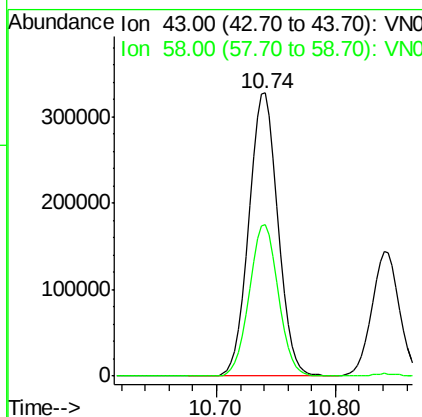
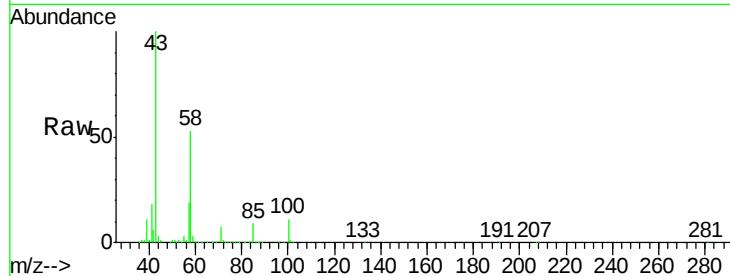
#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.5	79.5

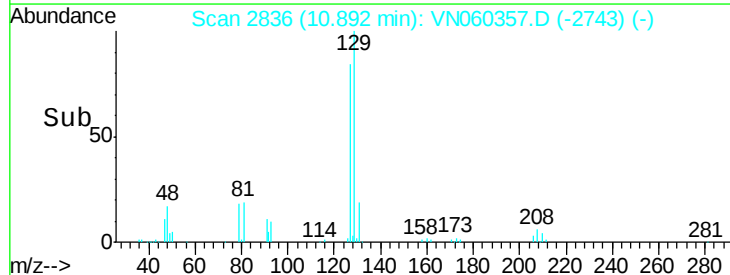
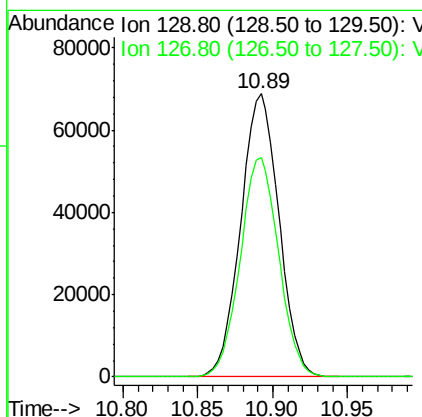
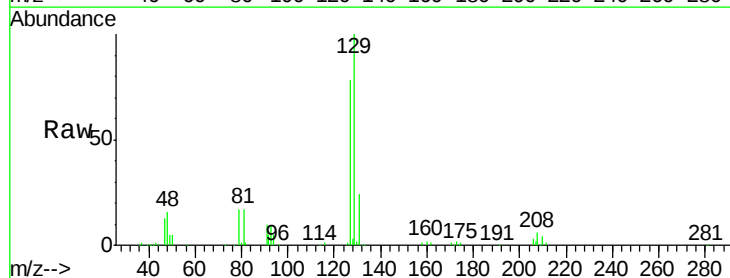
Manual Integrations
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3/6/2020 11:18:12 AM



#60
Dibromochloromethane
Concen: 53.146 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.7





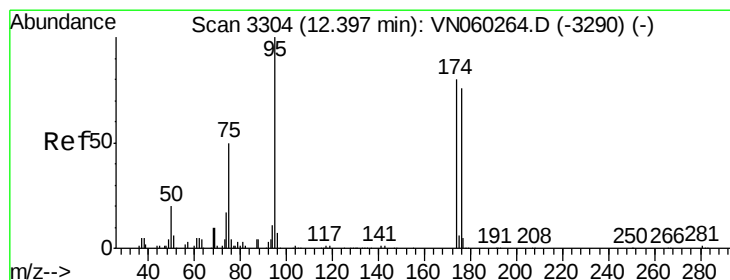
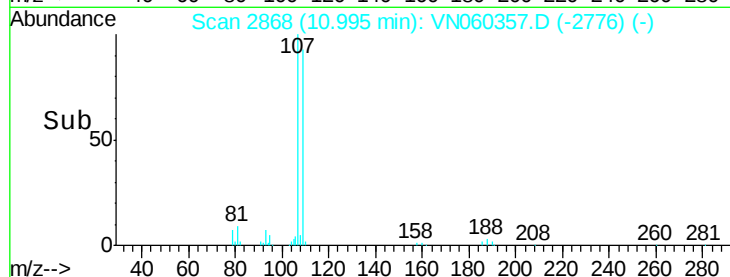
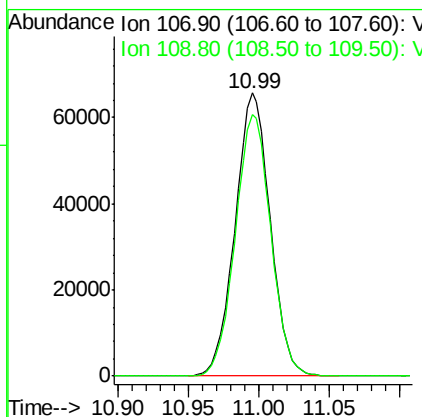
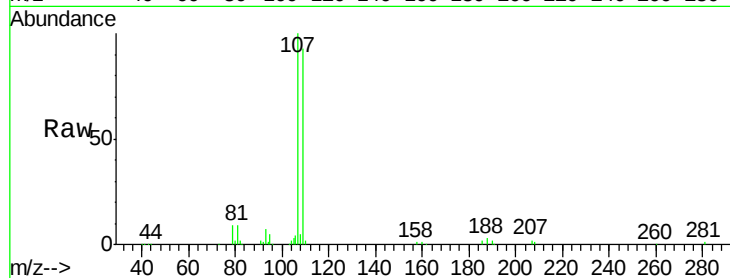
#61
 1,2-Dibromoethane
 Concen: 51.794 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.8	115.2

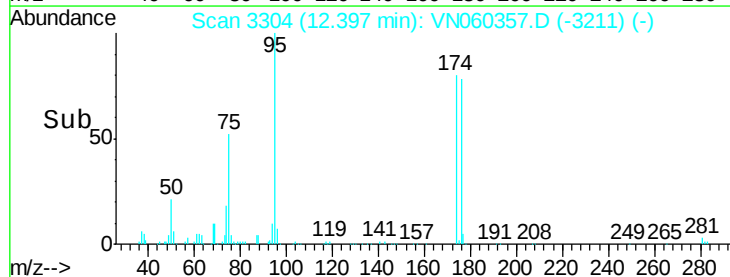
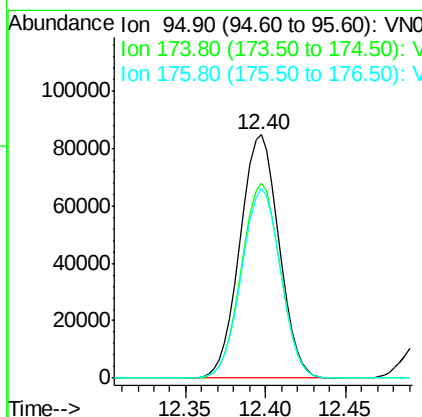
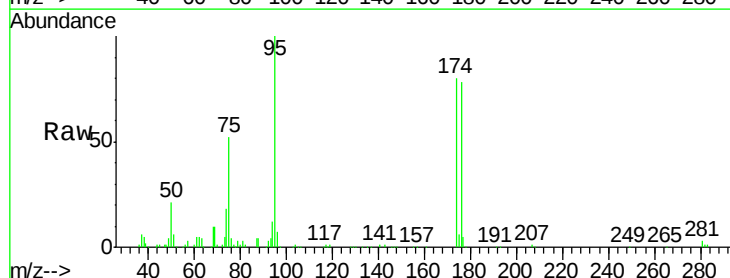
Manual Integrations
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 3/6/2020 11:18:12 AM



#62
 4-Bromofluorobenzene
 Concen: 48.945 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	159.2
176	78.1	0.0	153.8





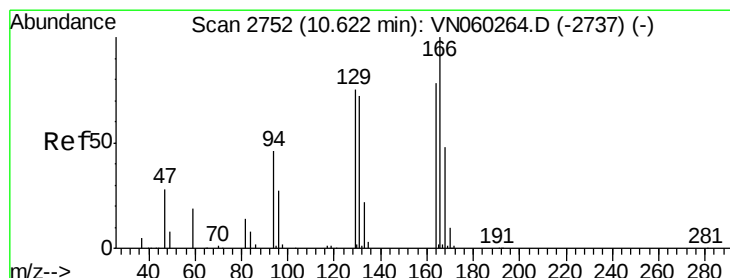
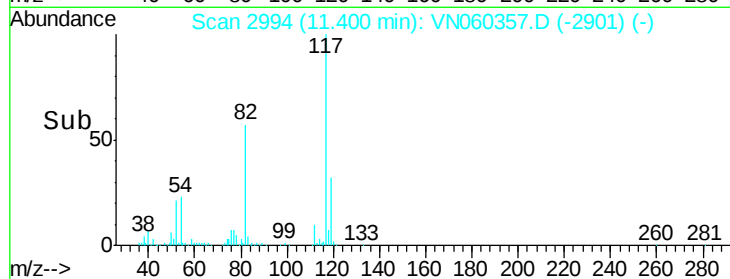
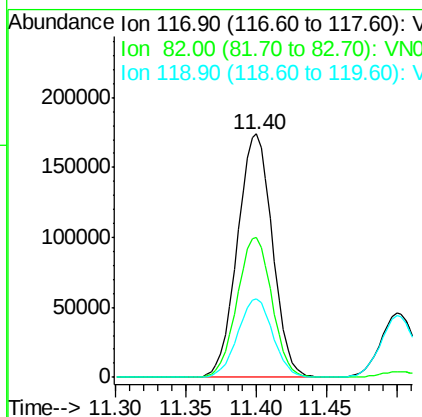
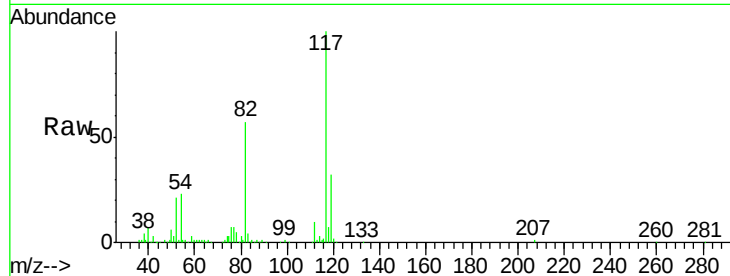
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	302052		
82	57.3		45.8	68.6
119	32.4		25.8	38.8

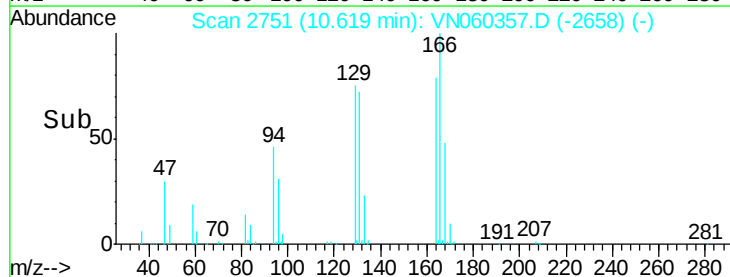
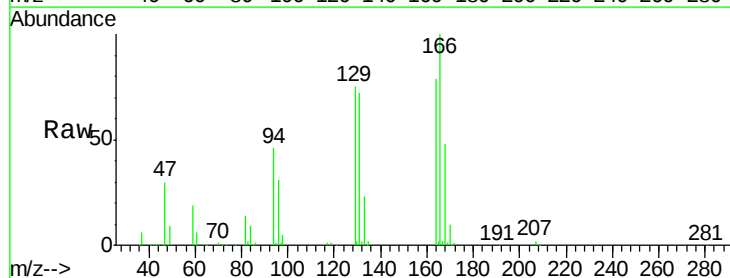
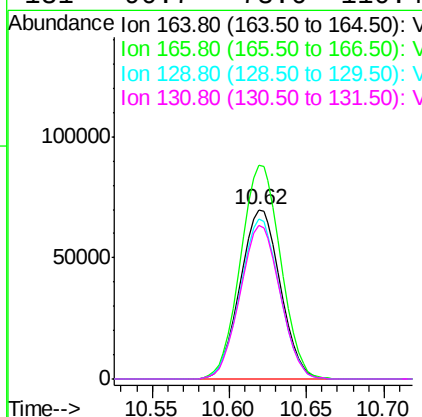
Manual Integrations
APPROVED

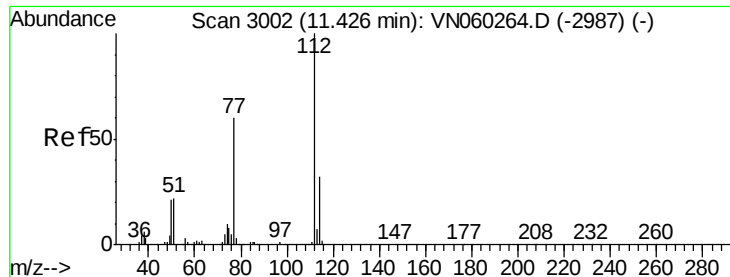
MMDadoda
3/6/2020 11:18:12 AM



#64
Tetrachloroethene
Concen: 53.321 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	126586		
166	126.3		102.0	153.0
129	94.5		76.4	114.6
131	90.7		73.6	110.4





#65

Chlorobenzene

Concen: 49.168 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 299888

Ion Ratio Lower Upper

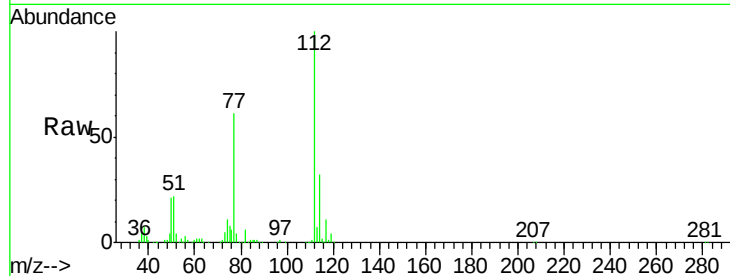
112 100

114 31.6 25.4 38.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

100000

50000

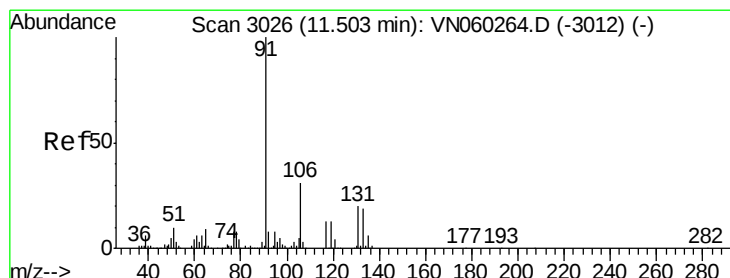
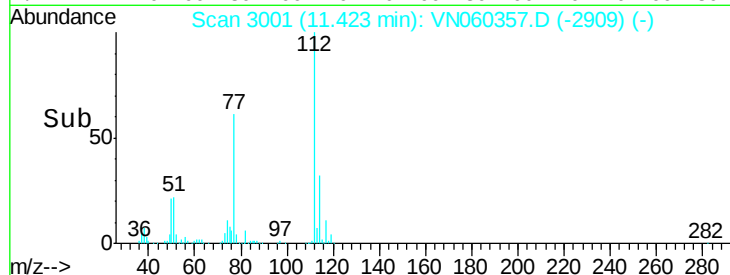
0

11.42

11.40

11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.705 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

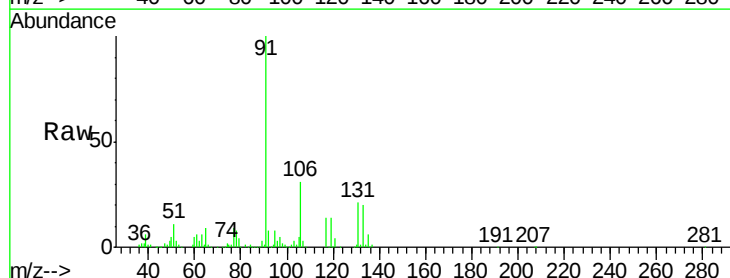
Tgt Ion:131 Resp: 114348

Ion Ratio Lower Upper

131 100

133 97.0 47.7 143.1

119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

40000

20000

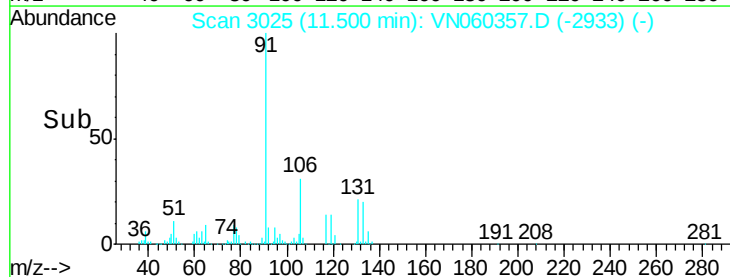
0

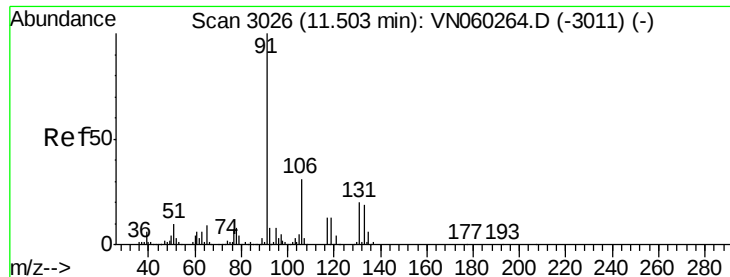
11.50

11.45

11.55

Time-->





#67

Ethyl Benzene

Concen: 50.396 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 559762

Ion Ratio Lower Upper

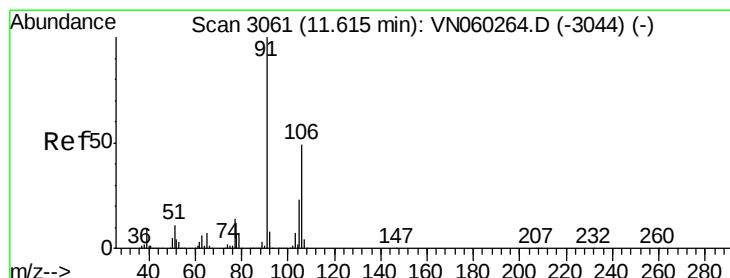
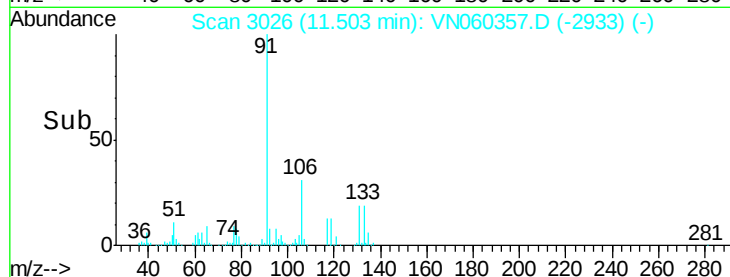
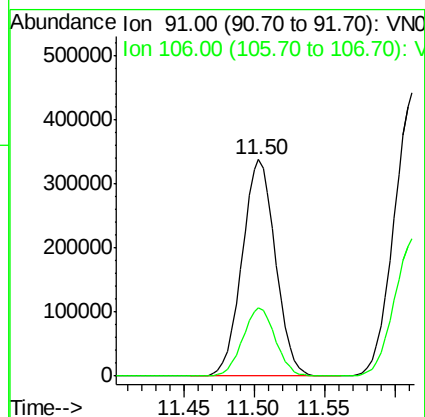
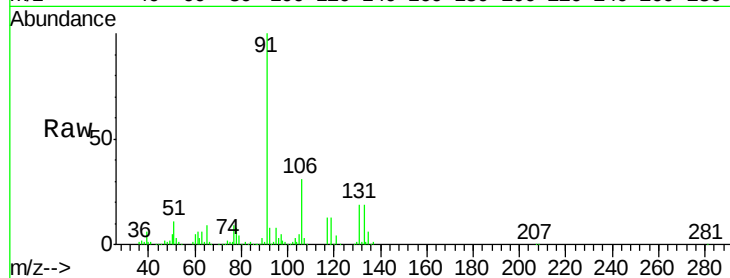
91 100

106 31.5 24.7 37.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 99.734 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060357.D

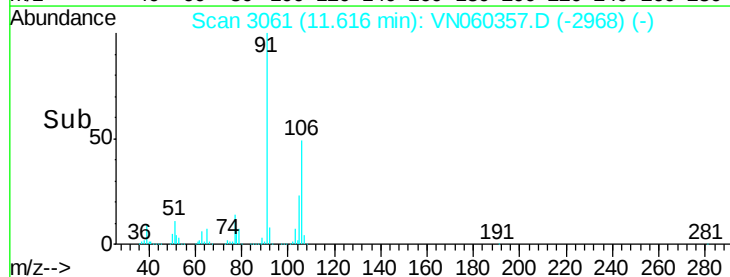
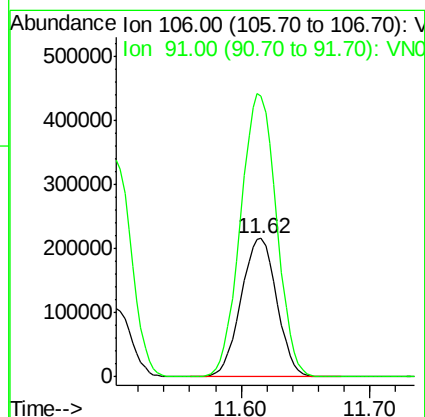
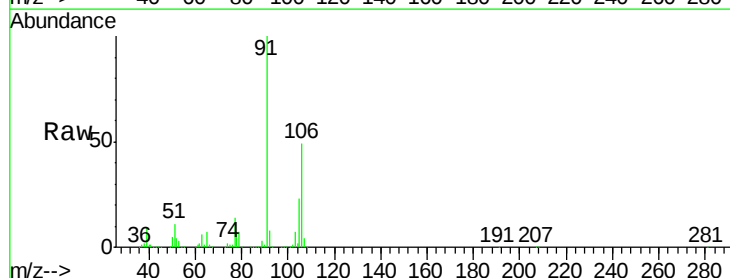
Acq: 5 Mar 2020 10:43

Tgt Ion: 106 Resp: 417948

Ion Ratio Lower Upper

106 100

91 204.9 164.5 246.7





#69

o-Xylene

Concen: 50.656 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:106 Resp: 202429

Ion Ratio Lower Upper

106 100

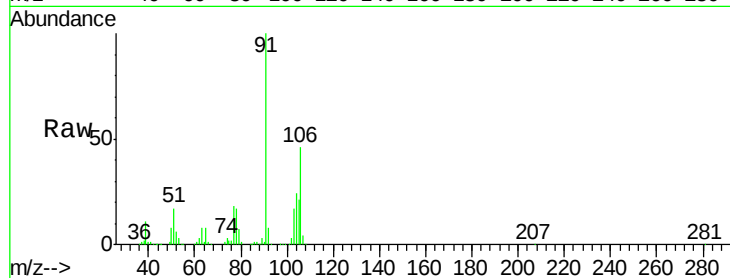
91 216.6 109.5 328.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

250000

200000

150000

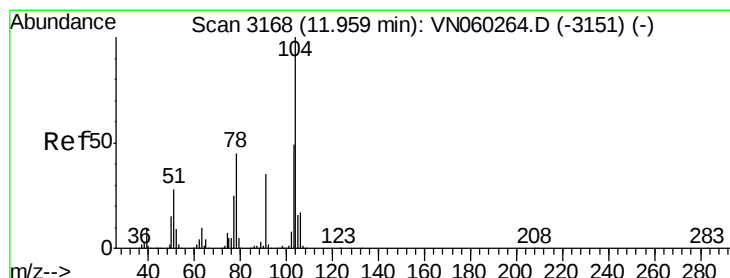
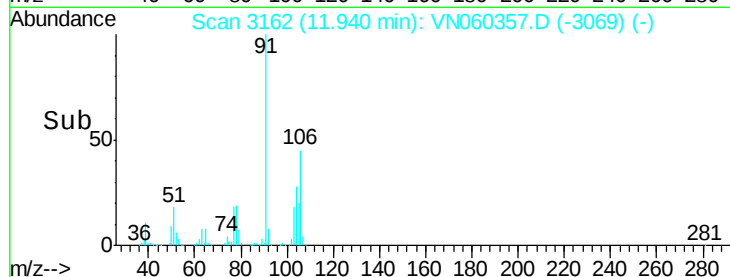
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 51.179 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

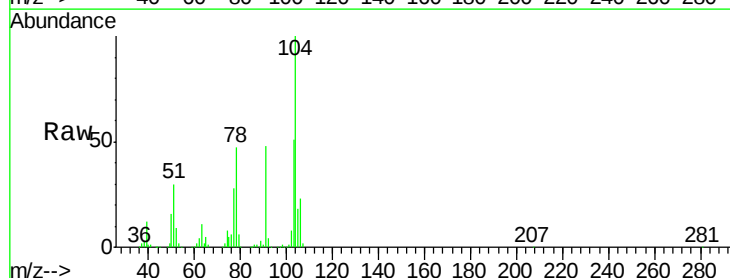
Tgt Ion:104 Resp: 336251

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

103 55.3 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

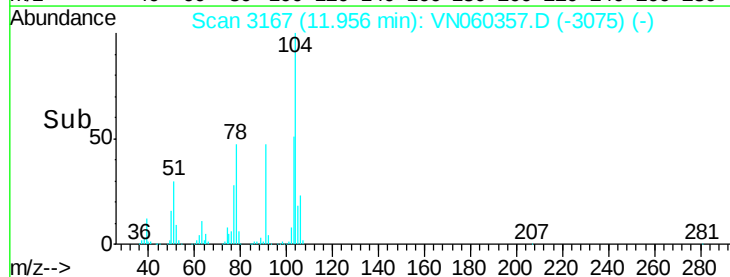
100000

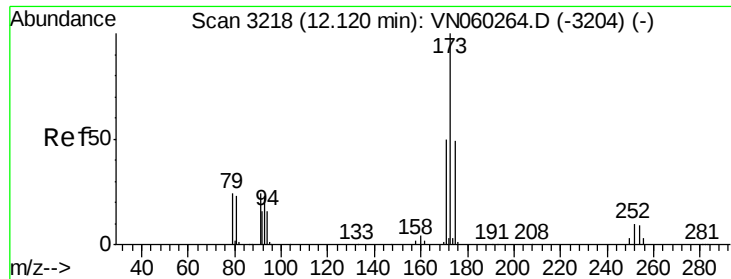
50000

0

11.90 12.00

Time-->





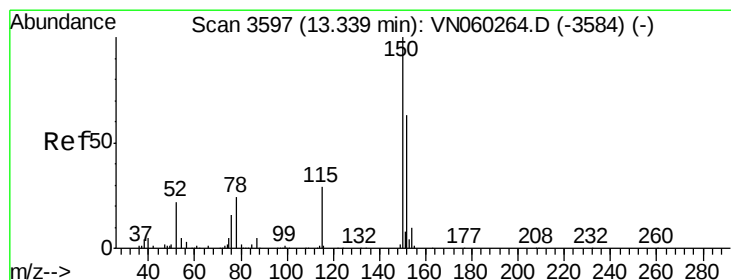
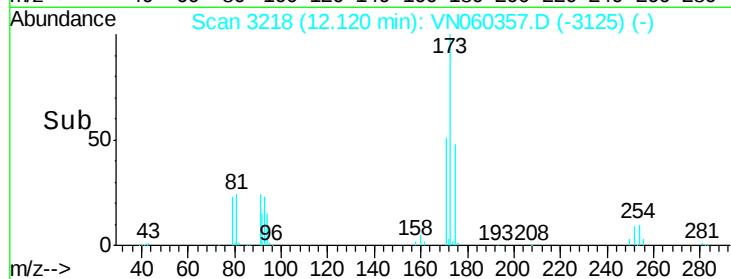
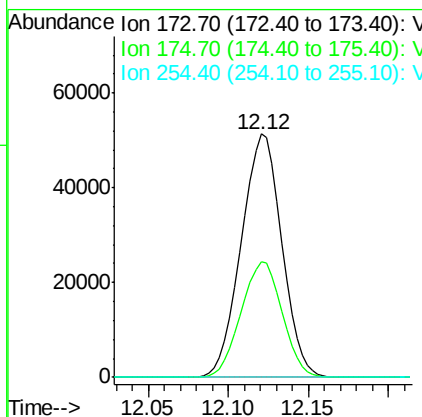
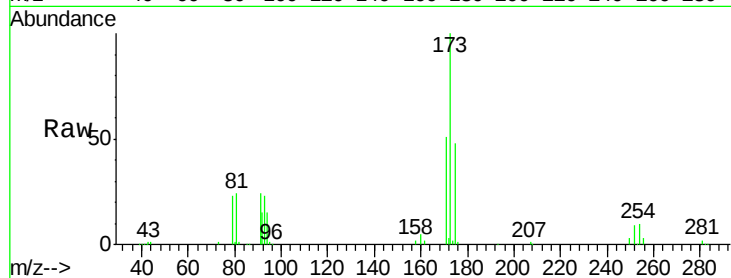
#71
Bromoform
Concen: 54.686 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

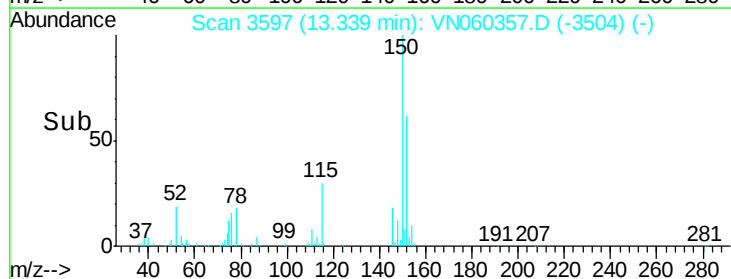
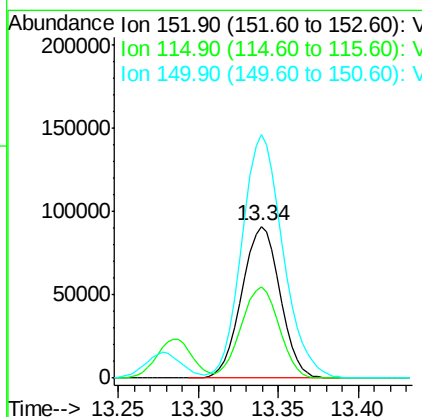
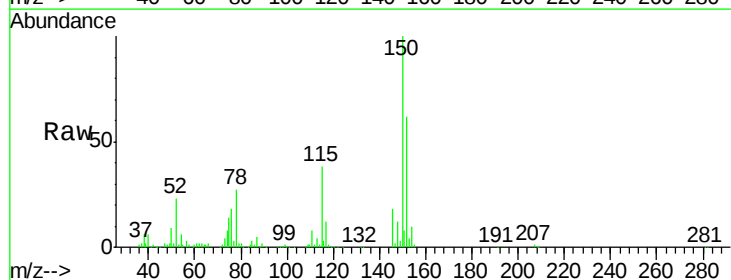
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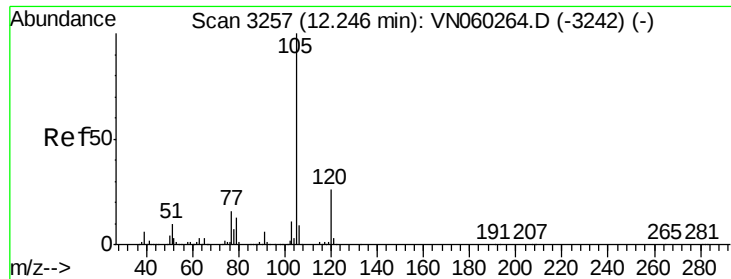
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	172.4	0.0	349.6





#73

Isopropylbenzene

Concen: 49.947 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 550722

Ion Ratio Lower Upper

105 100

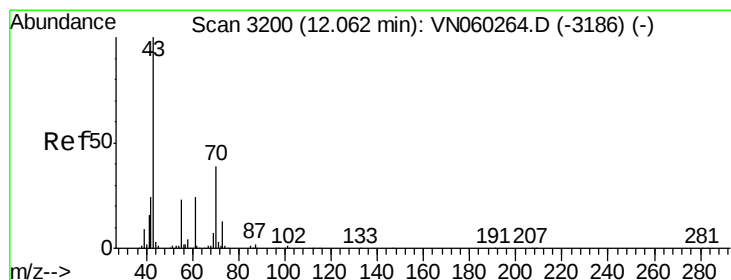
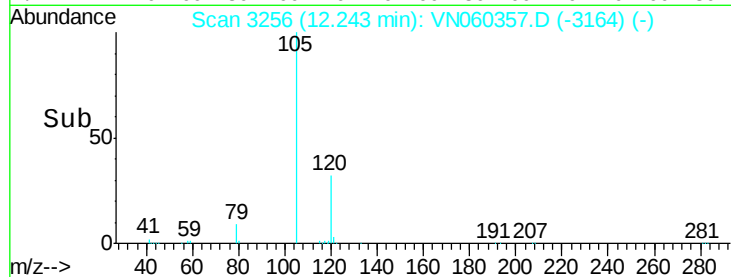
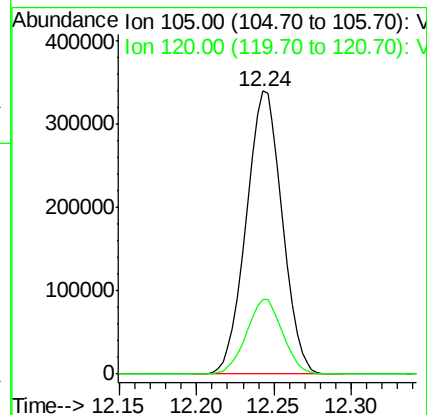
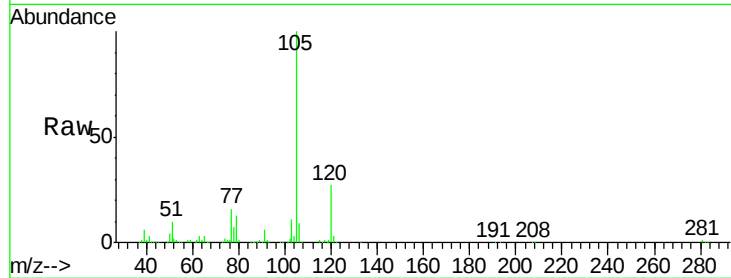
120 26.4 13.0 38.9

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#74

N-ethyl acetate

Concen: 50.513 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion: 43 Resp: 243381

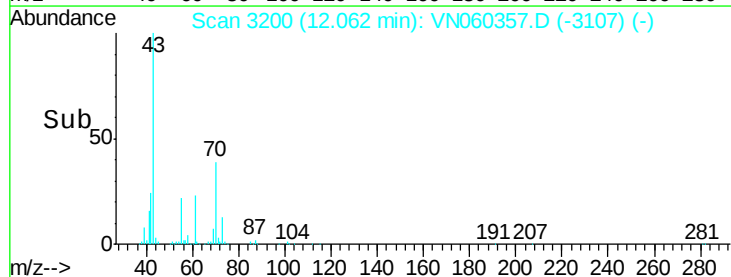
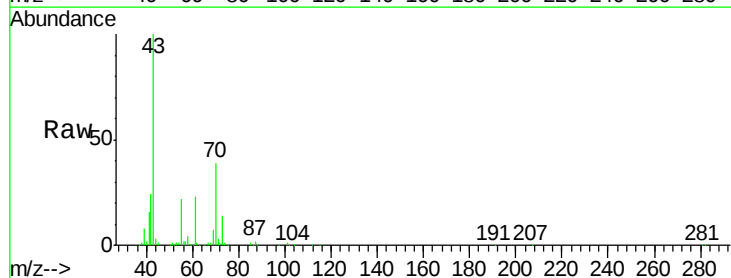
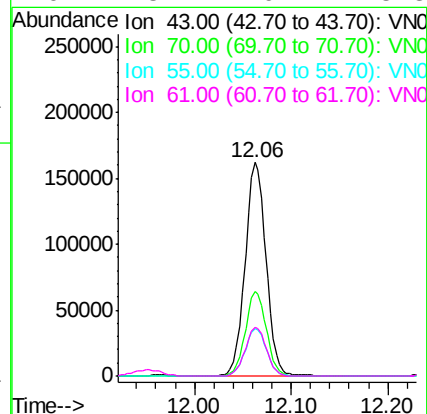
Ion Ratio Lower Upper

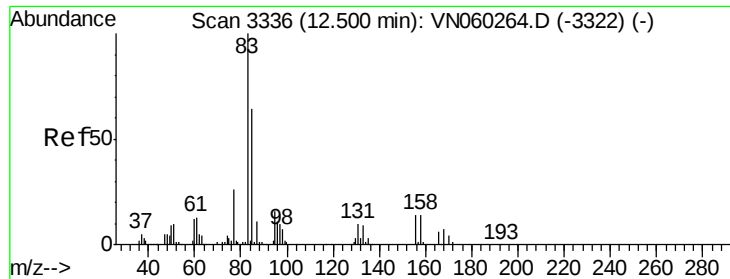
43 100

70 39.5 32.2 48.2

55 22.7 18.2 27.4

61 23.2 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.377 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

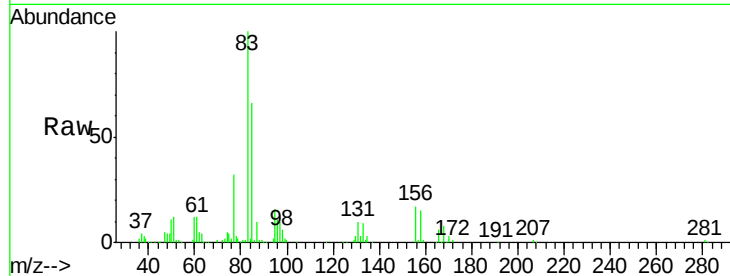
ClientSampleId :

VSTDCCC050

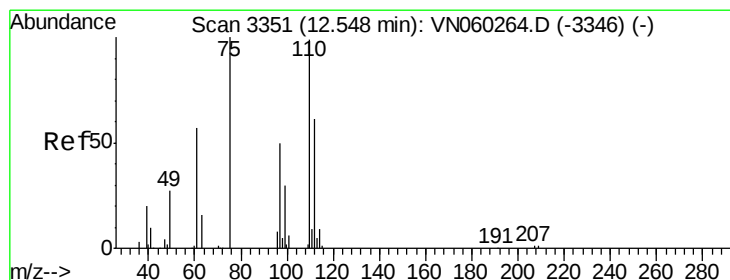
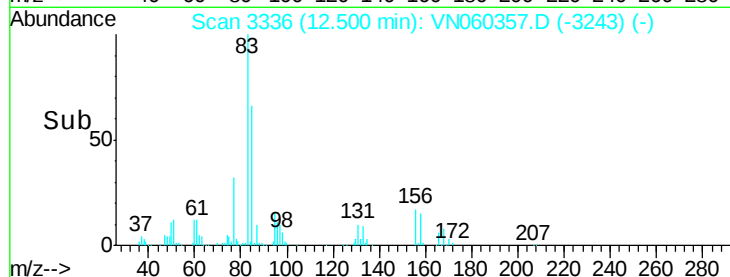
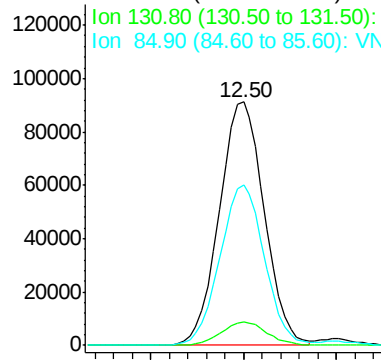
Tot Ion:	83	Resp:	153986
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	65.4	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060357.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 43.767 ug/l m

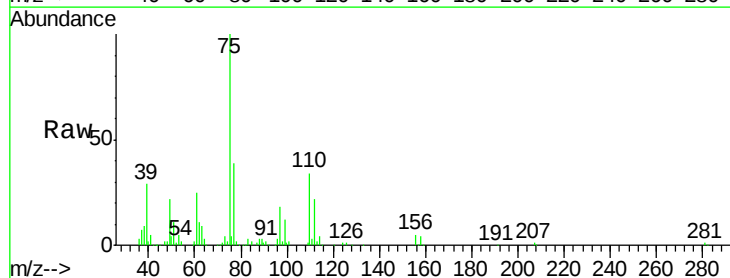
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

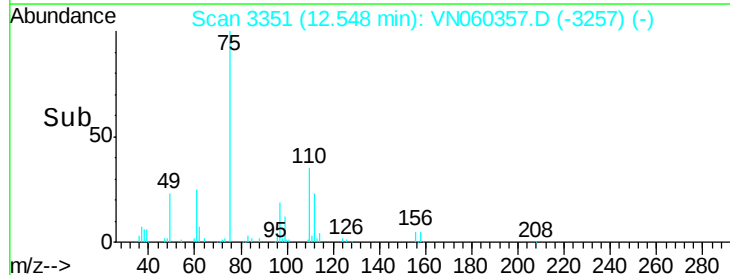
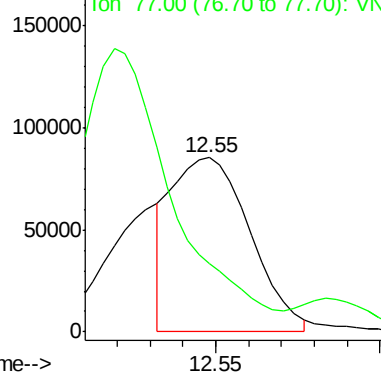
Lab File: VN060357.D

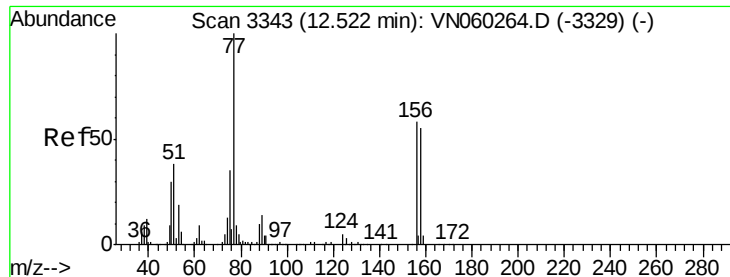
Acq: 5 Mar 2020 10:43

Tgt Ion:	75	Resp:	142849
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060357.D (-3257) (-)





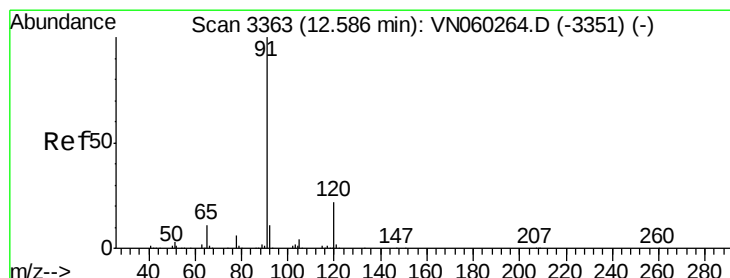
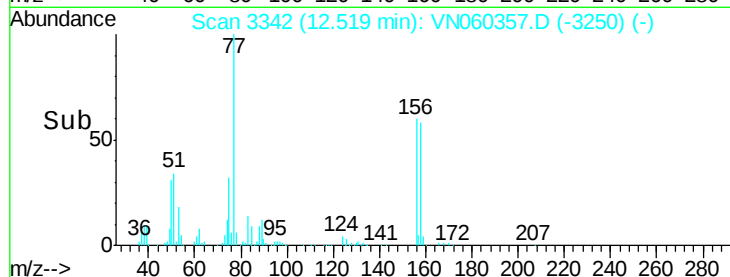
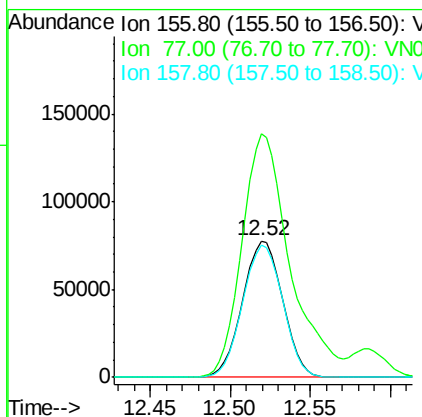
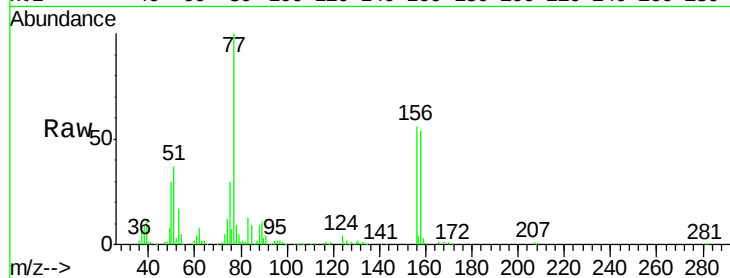
#77
Bromobenzene
Concen: 49.266 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	214.1	106.1	318.3
158	158	96.9	48.3	144.8

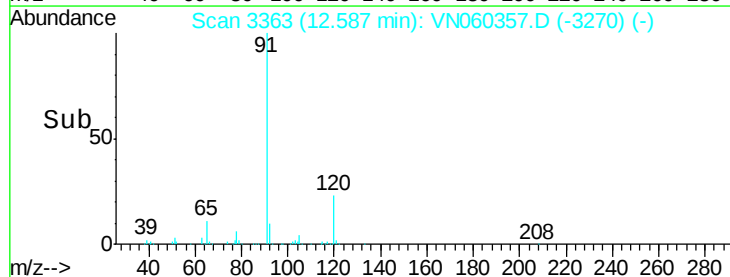
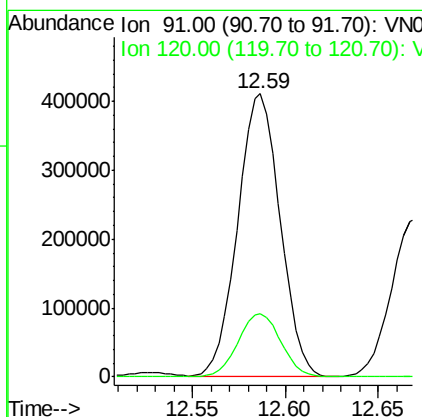
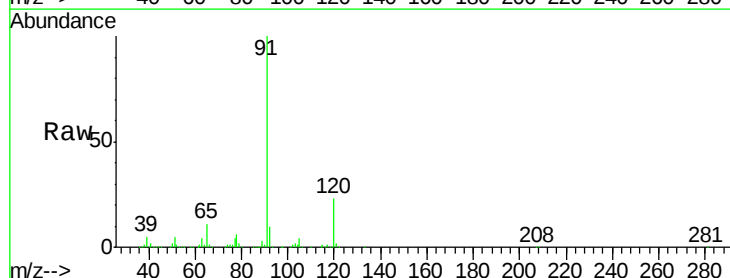
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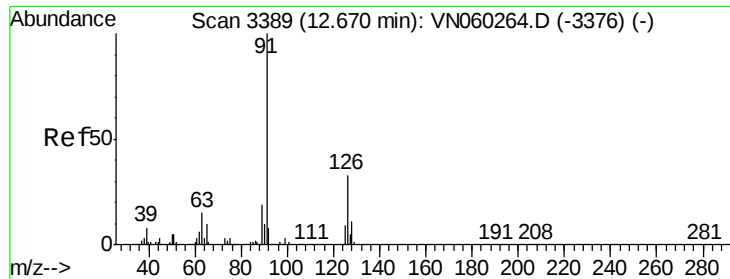
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#78
n-propylbenzene
Concen: 50.329 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
91	91	100		
120	120	22.6	11.3	33.9





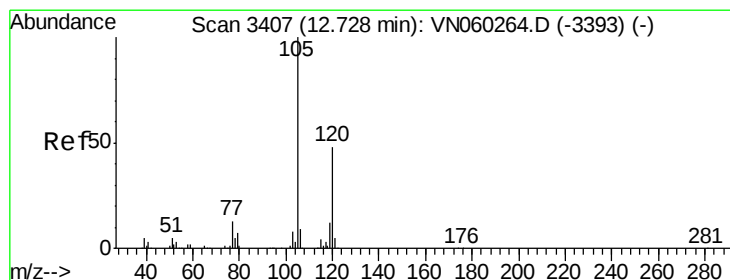
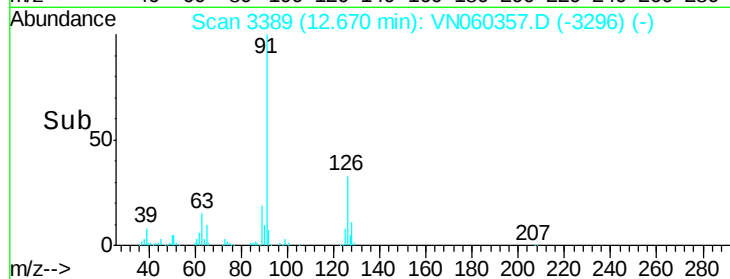
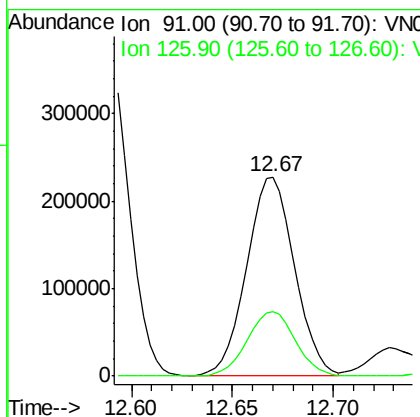
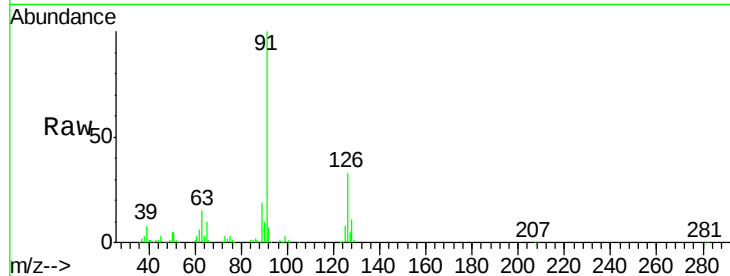
#79
 2-Chlorotoluene
 Concen: 49.627 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 377035
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8

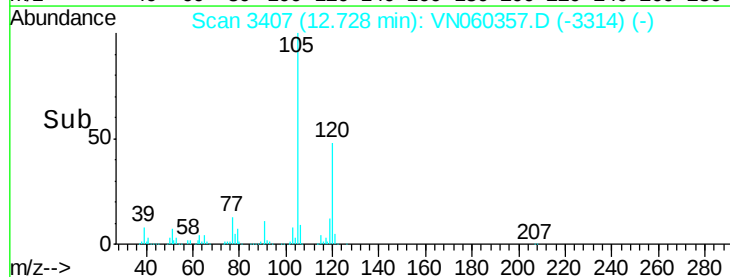
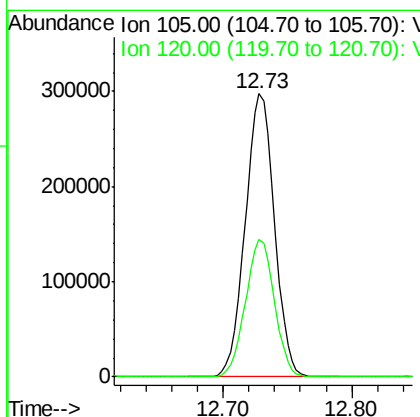
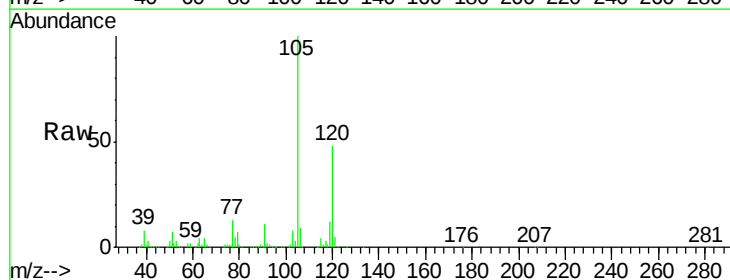
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.359 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion: 105 Resp: 467511
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.797 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

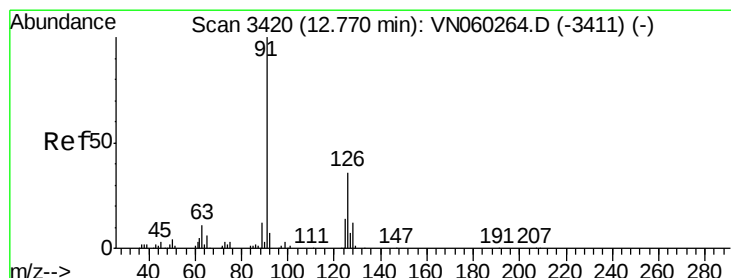
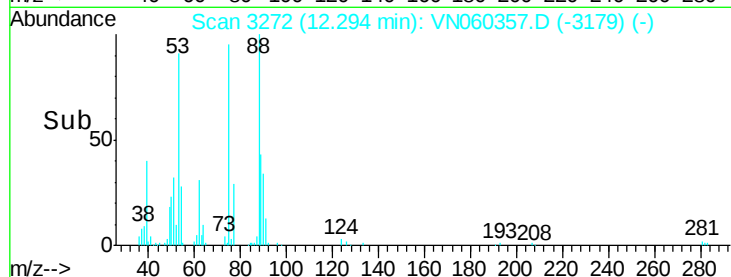
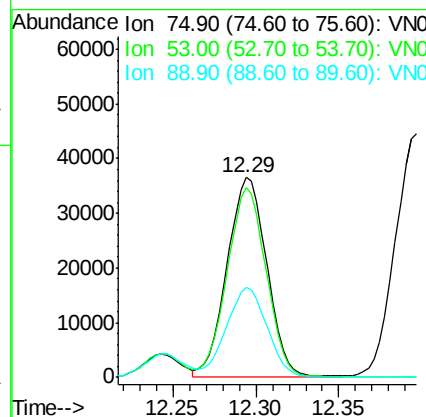
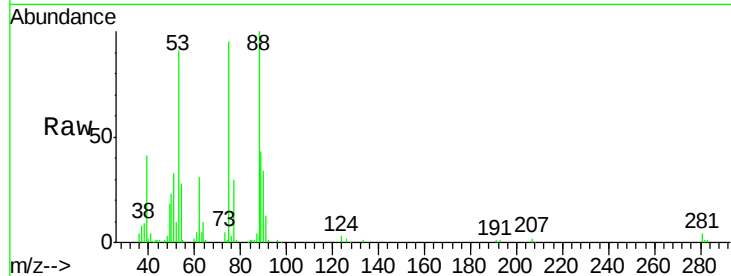
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	61243
Ion	Ratio	Lower	Upper
75	100		
53	93.3	73.8	110.6
89	45.9	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 49.210 ug/l

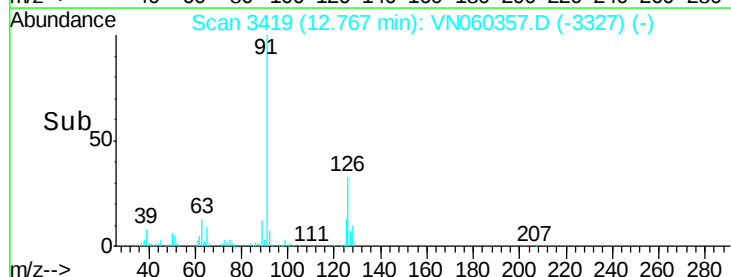
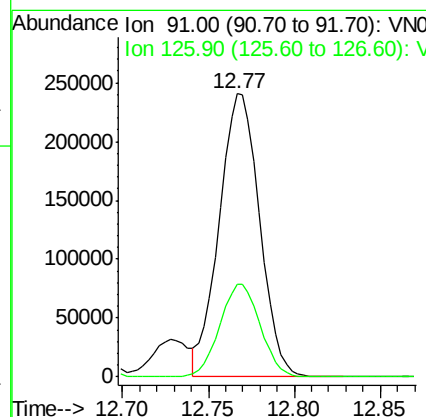
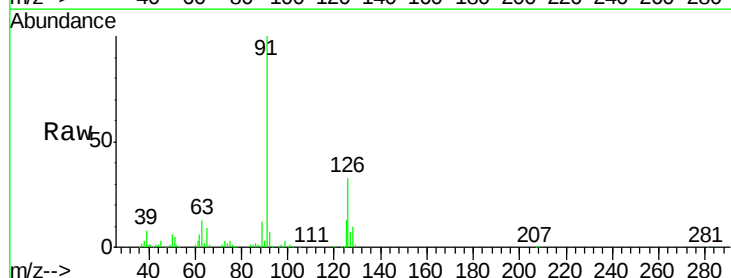
RT: 12.77 min Scan# 3419

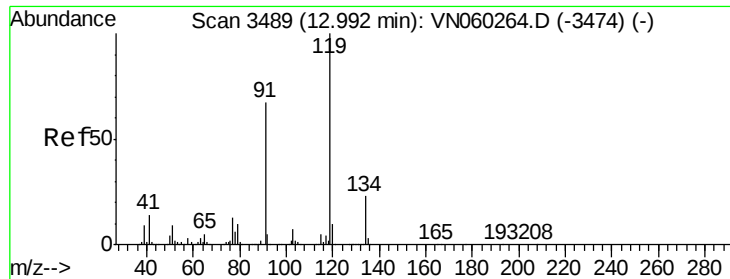
Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	91	Resp:	393896
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.7	50.1





#83

tert-Butylbenzene

Concen: 49.317 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

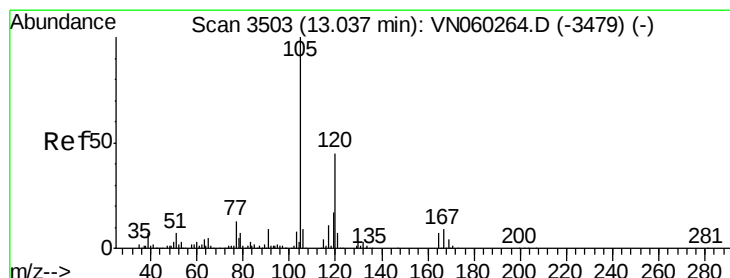
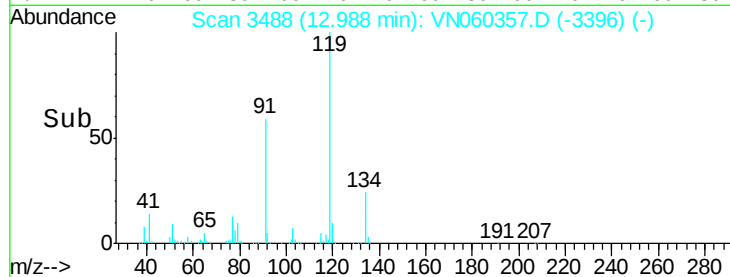
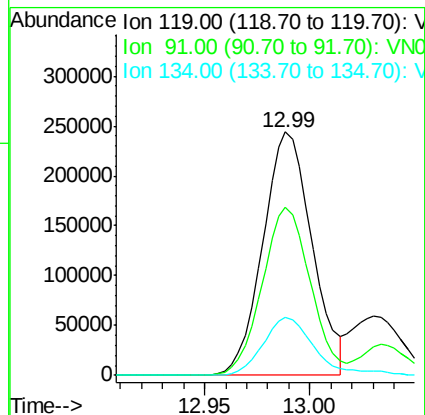
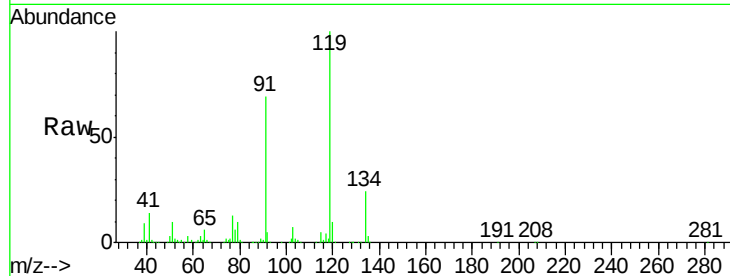
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	396395
Ion Ratio	Lower	Upper	
119	100		
91	67.7	33.1	99.2
134	25.1	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 50.214 ug/l

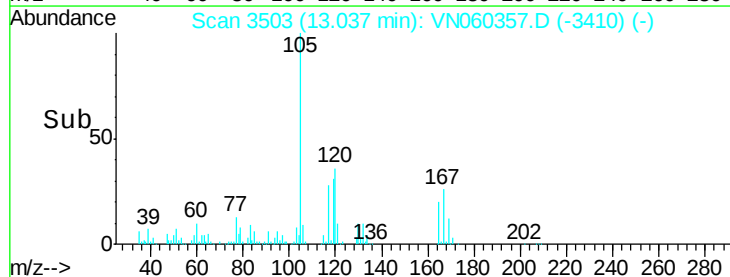
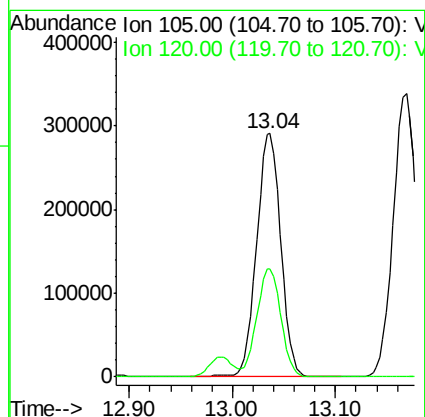
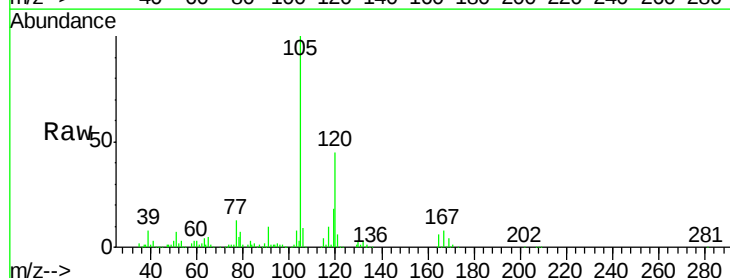
RT: 13.04 min Scan# 3503

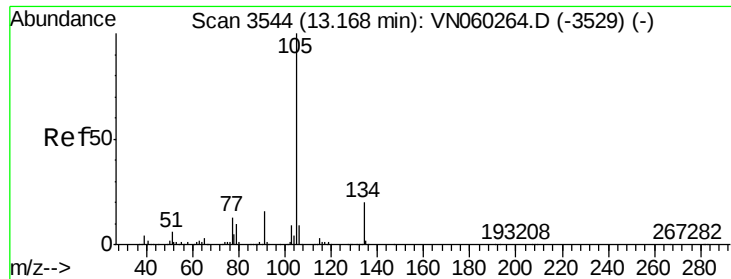
Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	105	Resp:	470520
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.3	66.9





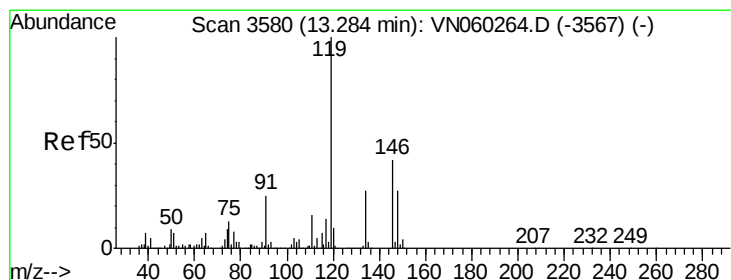
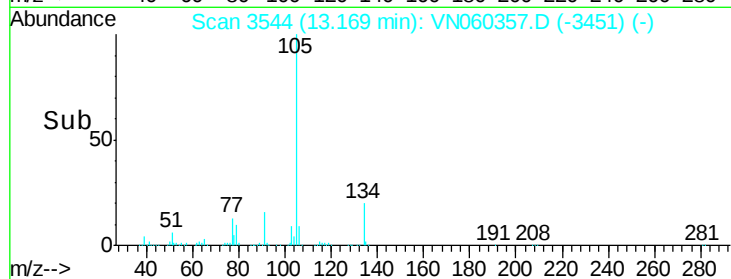
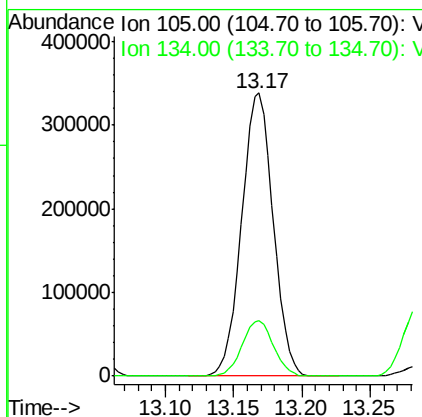
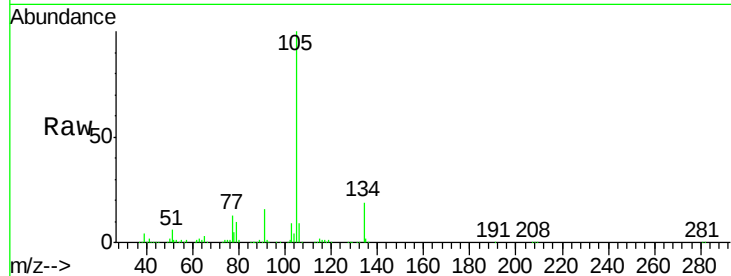
#85
 sec-Butylbenzene
 Concen: 50.326 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	541679		
134	19.5	9.8	29.5	

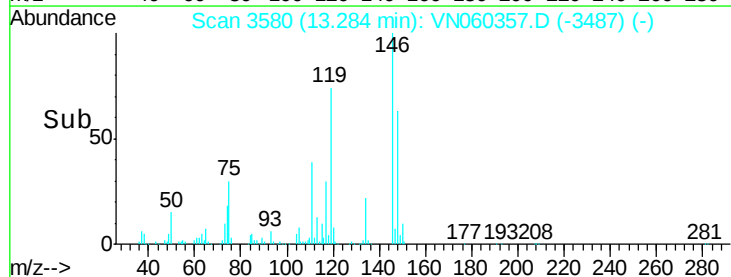
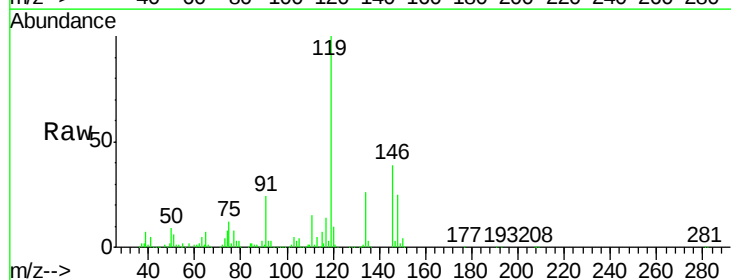
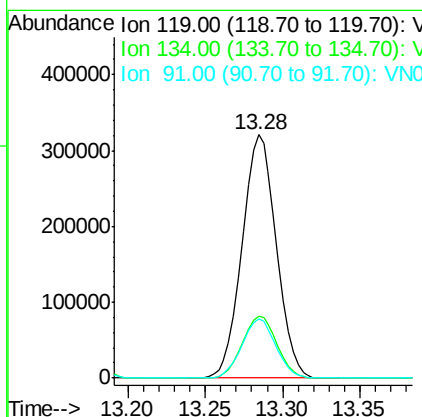
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#86
 p-Isopropyltoluene
 Concen: 49.302 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	491155		
134	26.0	13.2	39.6	
91	24.4	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 51.989 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060357.D

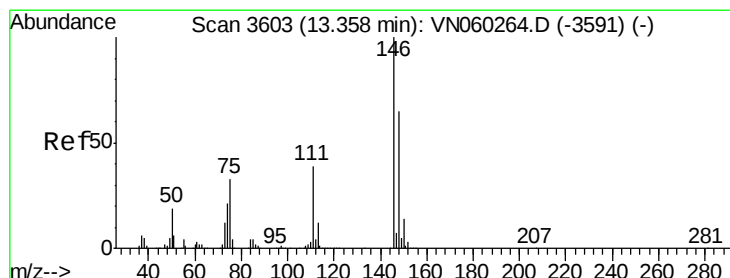
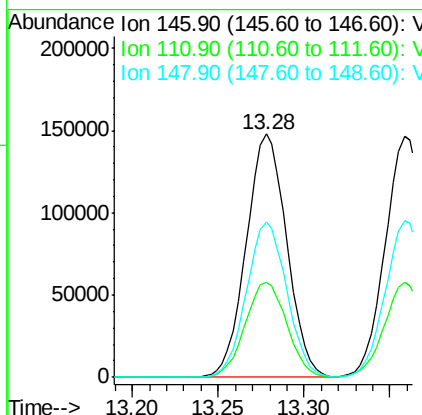
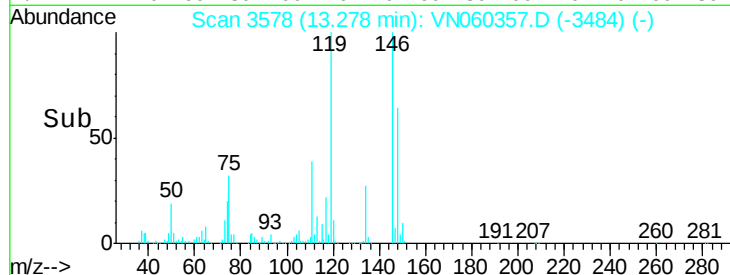
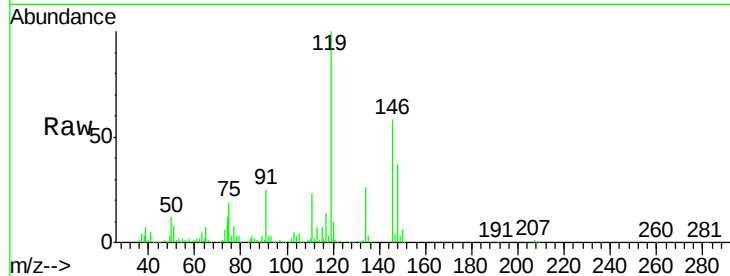
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	241416		
111	40.1	20.0	59.9	
148	63.7	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 51.791 ug/l

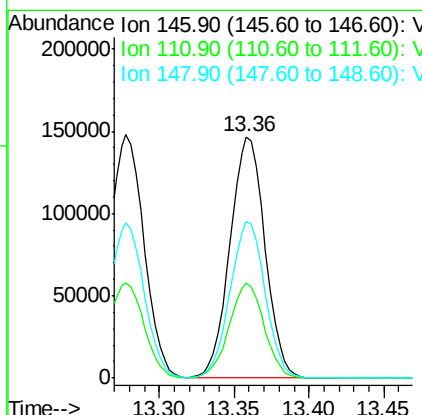
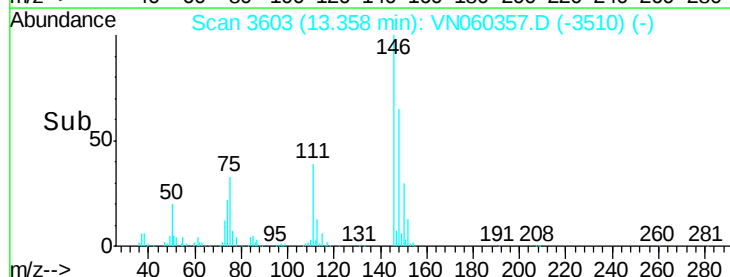
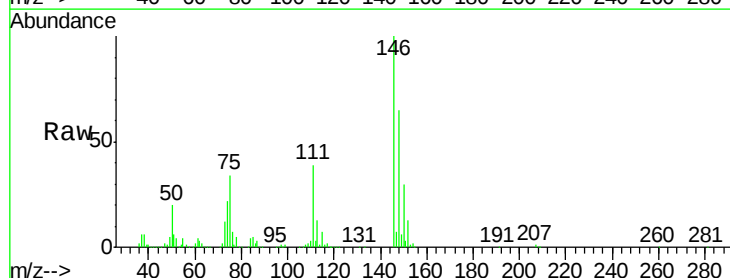
RT: 13.36 min Scan# 3603

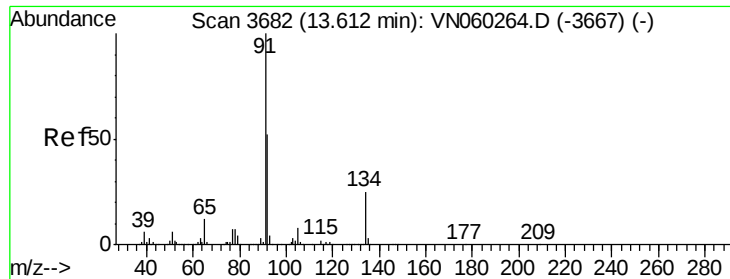
Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	239112		
111	39.4	19.8	59.4	
148	65.0	32.3	96.9	





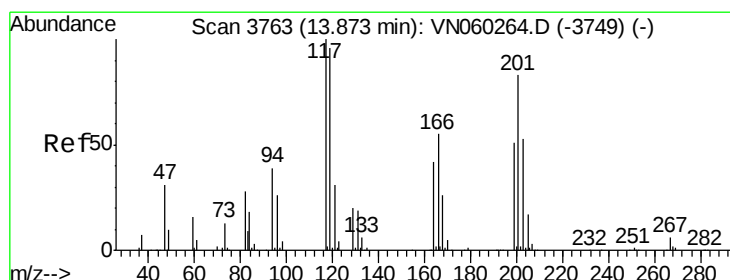
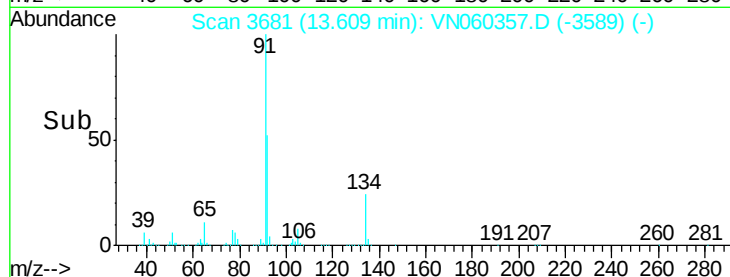
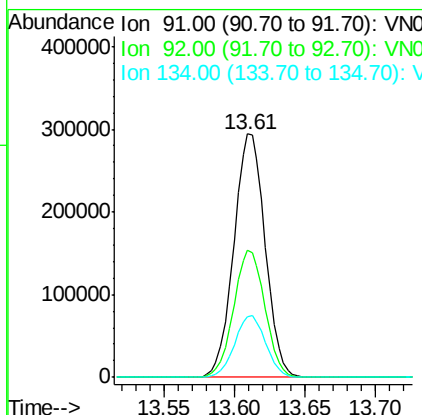
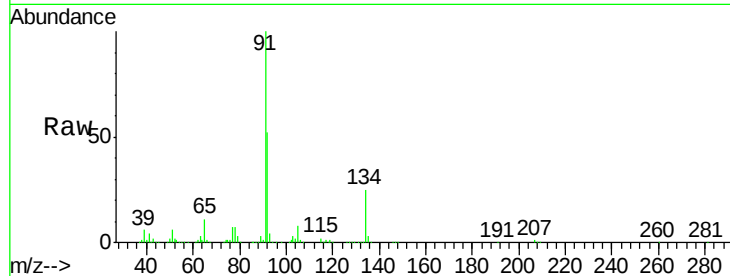
#89
n-Butylbenzene
Concen: 49.947 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	26.0	78.0	
134	25.1	12.7	38.1	

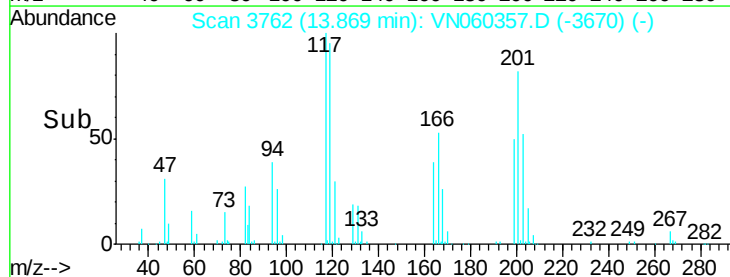
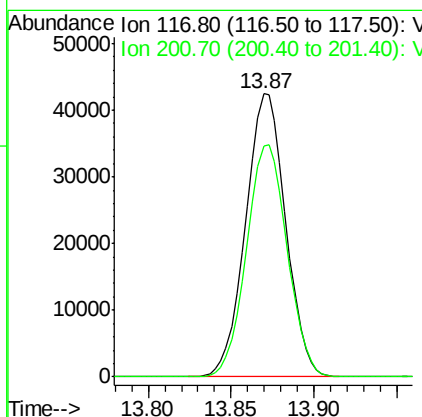
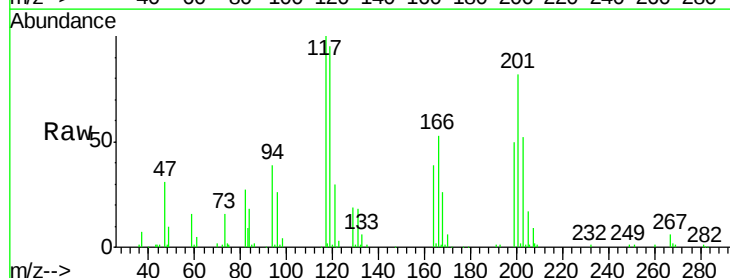
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#90
Hexachloroethane
Concen: 49.456 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.2	41.0	123.0	





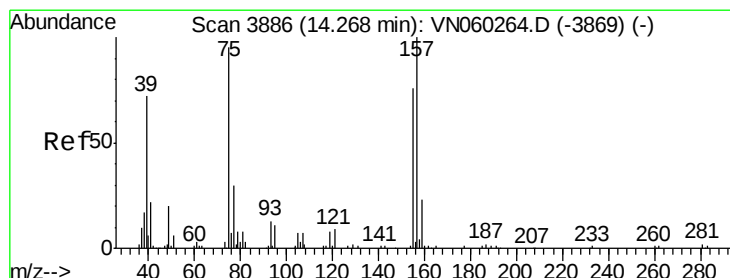
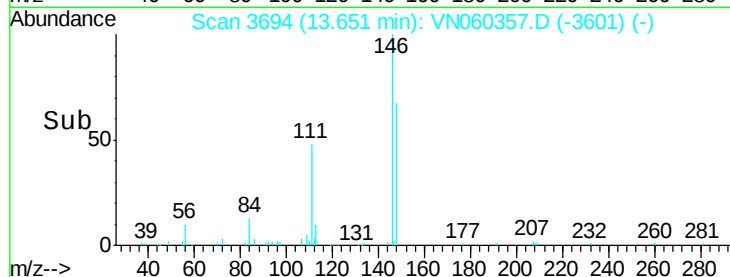
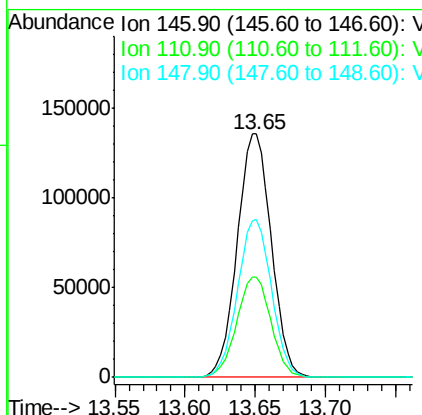
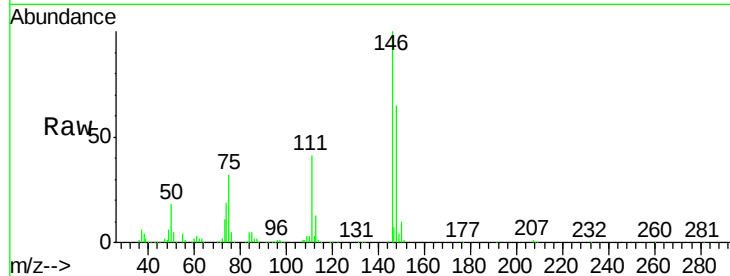
#91
 1,2-Dichlorobenzene
 Concen: 48.688 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	230587		
111	41.2	20.3	61.0	
148	64.5	31.8	95.3	

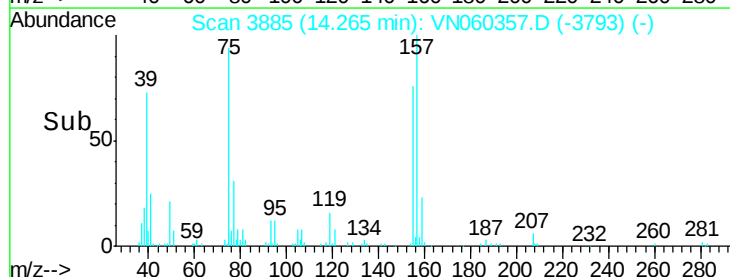
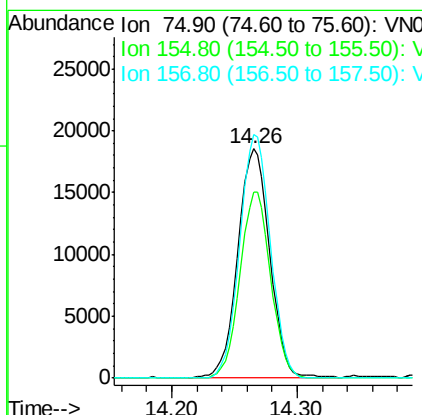
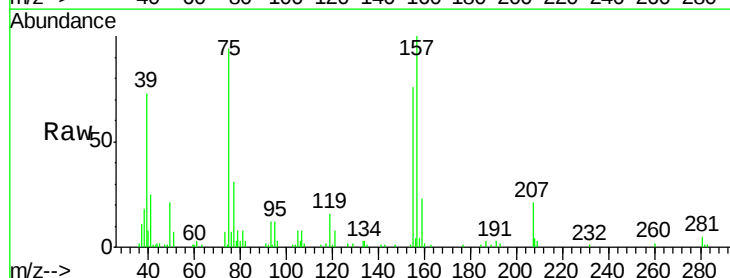
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.489 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32911		
155	77.4	40.4	121.2	
157	101.3	52.5	157.5	





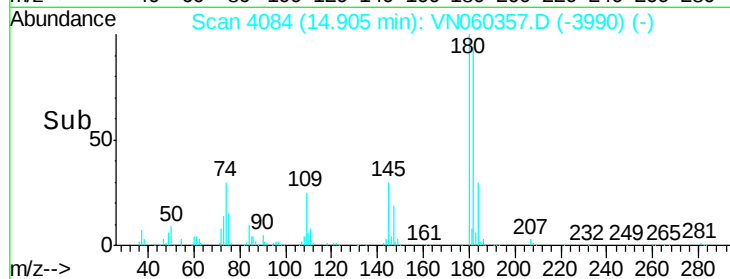
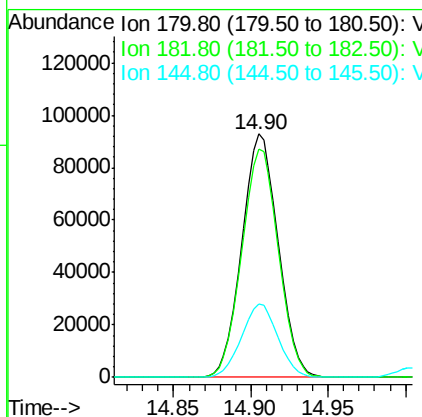
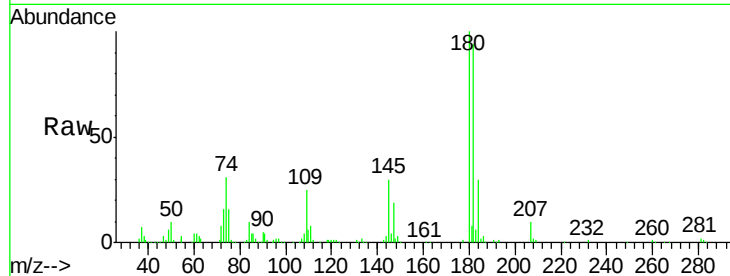
#93
 1,2,4-Trichlorobenzene
 Concen: 50.337 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151482		
182	94.7	47.8	143.3	
145	30.4	15.4	46.1	

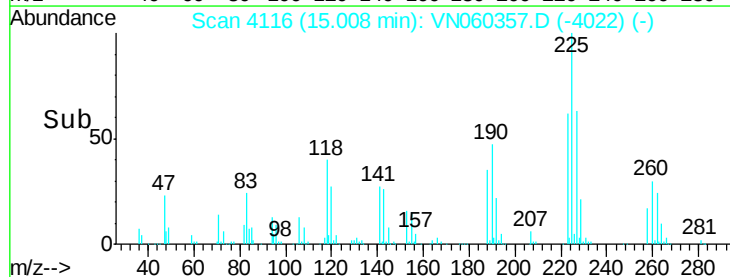
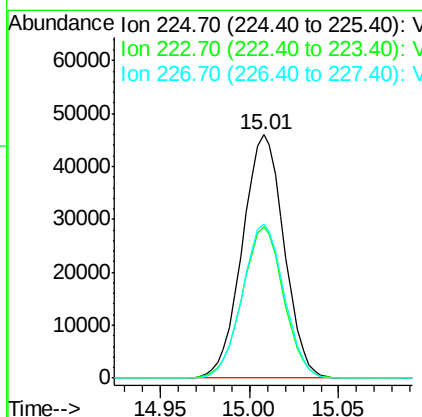
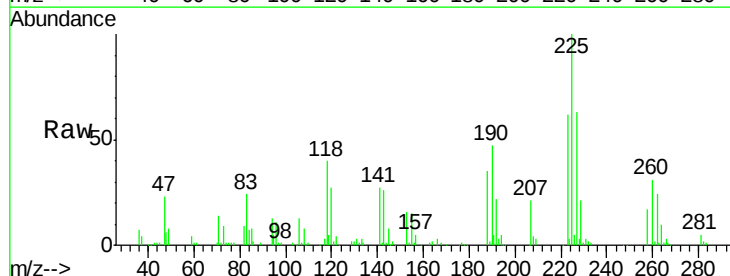
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#94
 Hexachlorobutadiene
 Concen: 54.261 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74993		
223	61.9	31.3	93.9	
227	63.2	32.3	96.9	





#95

Naphthalene

Concen: 48.208 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

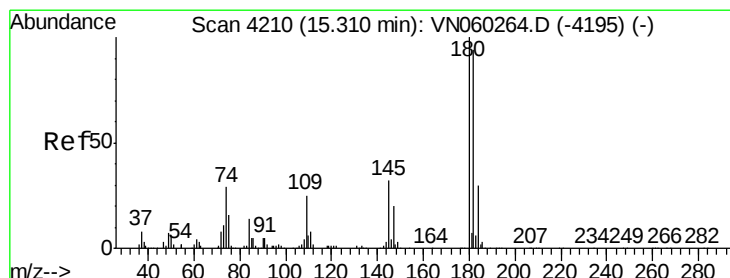
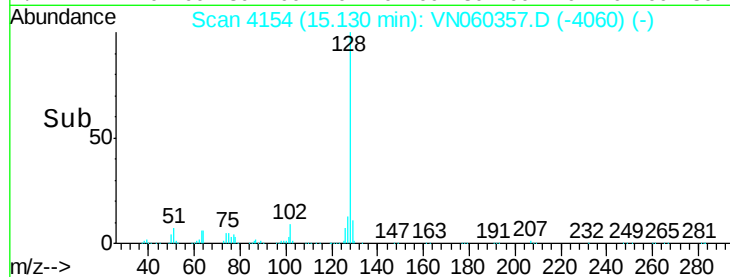
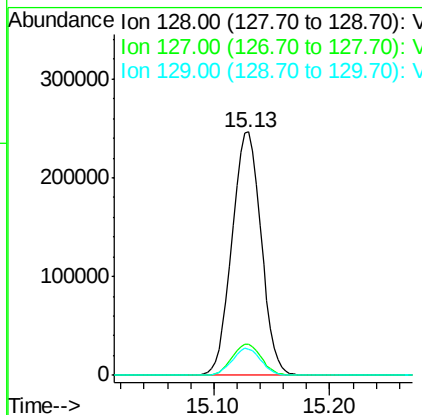
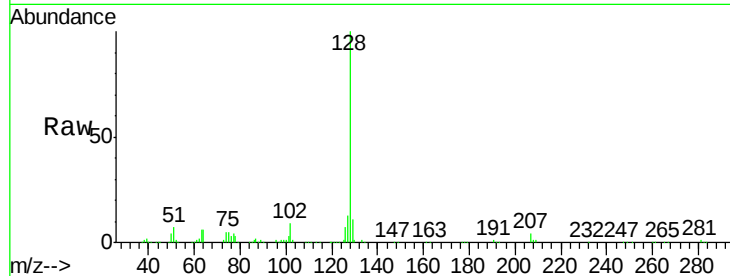
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	427392
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.944 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion:	180	Resp:	141546
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.3	142.0
145	31.6	16.2	48.5

