

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060923.D
 Acq On : 14 Apr 2020 10:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 15 07:40:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	152406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	253037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97896	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.56	113	72964	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	10.08	98	291876	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.39	95	110863	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61669	41.819	ug/l	98
3) Chloromethane	2.04	50	116734	42.384	ug/l	100
4) Vinyl Chloride	2.17	62	91295	42.380	ug/l	100
5) Bromomethane	2.54	94	43640	46.928	ug/l	99
6) Chloroethane	2.68	64	58850	47.424	ug/l	98
7) Trichlorofluoromethane	3.00	101	126144	47.536	ug/l	100
8) Diethyl Ether	3.38	74	54670	51.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78897	51.310	ug/l	99
10) Methyl Iodide	3.92	142	58226	42.555	ug/l	99
11) Tert butyl alcohol	4.72	59	81752	265.692	ug/l	99
12) 1,1-Dichloroethene	3.71	96	76957	46.638	ug/l	97
13) Acrolein	3.57	56	103504	303.516	ug/l	100
14) Allyl chloride	4.29	41	146445	50.461	ug/l	97
15) Acrylonitrile	4.93	53	235724	260.525	ug/l	100
16) Acetone	3.77	43	243981	329.217	ug/l	100
17) Carbon Disulfide	4.03	76	208287	41.505	ug/l	100
18) Methyl Acetate	4.28	43	114806	55.037	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	286086	50.428	ug/l	99
20) Methylene Chloride	4.52	84	89083	48.865	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	82566	46.949	ug/l	95
22) Diisopropyl ether	5.91	45	333296	54.360	ug/l	95
23) Vinyl Acetate	5.85	43	1350773	270.012	ug/l	99
24) 1,1-Dichloroethane	5.81	63	172977	51.751	ug/l	100
25) 2-Butanone	6.79	43	340440	283.884	ug/l	97
26) 2,2-Dichloropropane	6.79	77	147369	56.037	ug/l	100
27) cis-1,2-Dichloroethene	6.79	96	98846	49.461	ug/l	96
28) Bromochloromethane	7.16	49	84307	52.719	ug/l	95
29) Tetrahydrofuran	7.17	42	214349	252.622	ug/l	98
30) Chloroform	7.34	83	163847	51.133	ug/l	100
31) Cyclohexane	7.63	56	157008	46.594	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	137933	49.933	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124303	50.732	ug/l	100
37) Ethyl Acetate	6.89	43	135988	51.365	ug/l	99
38) Carbon Tetrachloride	7.75	117	110772	50.443	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	149268	51.264	ug/l	96
40) Benzene	8.01	78	376222	50.865	ug/l	100
41) Methacrylonitrile	7.17	41	193836	171.556	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	130040	51.445	ug/l	99
43) Isopropyl Acetate	8.13	43	228410	52.313	ug/l	100
44) Trichloroethene	8.82	130	92491	49.604	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104760	53.676	ug/l	99
46) Dibromomethane	9.19	93	60838	51.561	ug/l	99
47) Bromodichloromethane	9.38	83	130667	53.293	ug/l	97
48) Methyl methacrylate	9.18	41	103604	53.295	ug/l	98
49) 1,4-Dioxane	9.18	88	27406	1186.089	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	673544	271.092	ug/l	99
52) Toluene	10.14	92	227638	50.960	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	152597	54.181	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	163844	53.028	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	90325	52.560	ug/l	99
56) Ethyl methacrylate	10.41	69	143599	53.591	ug/l	98
57) 1,3-Dichloropropane	10.69	76	157354	52.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	292265	219.456	ug/l	99
59) 2-Hexanone	10.74	43	501785	280.365	ug/l	99
60) Dibromochloromethane	10.89	129	94337	53.143	ug/l	100
61) 1,2-Dibromoethane	10.99	107	90289	52.249	ug/l	99
64) Tetrachloroethene	10.62	164	85467	46.823	ug/l	99
65) Chlorobenzene	11.42	112	235524	51.219	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	87656	52.649	ug/l	99
67) Ethyl Benzene	11.50	91	444122	51.936	ug/l	100
68) m/p-Xylenes	11.61	106	326778	102.833	ug/l	98
69) o-Xylene	11.94	106	156815	51.694	ug/l	99
70) Styrene	11.96	104	264242	53.260	ug/l	100
71) Bromoform	12.12	173	67503	48.823	ug/l #	99
73) Isopropylbenzene	12.24	105	428452	51.227	ug/l	99
74) N-amyl acetate	12.06	43	199497	51.618	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	131207	51.875	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179944	74.825	ug/l #	100
77) Bromobenzene	12.52	156	100348	49.791	ug/l	98
78) n-propylbenzene	12.58	91	511886	51.803	ug/l	99
79) 2-Chlorotoluene	12.67	91	297165	50.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362864	51.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	48187	51.462	ug/l	100
82) 4-Chlorotoluene	12.77	91	311072	51.731	ug/l	99
83) tert-Butylbenzene	12.99	119	304315	51.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	363789	51.808	ug/l	100
85) sec-Butylbenzene	13.17	105	423099	53.475	ug/l	99
86) p-Isopropyltoluene	13.28	119	377570	53.069	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	182592	51.368	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	183282	51.321	ug/l	99
89) n-Butylbenzene	13.61	91	363839	56.641	ug/l	99
90) Hexachloroethane	13.87	117	59497	57.530	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	174777	51.422	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25586	48.287	ug/l	97

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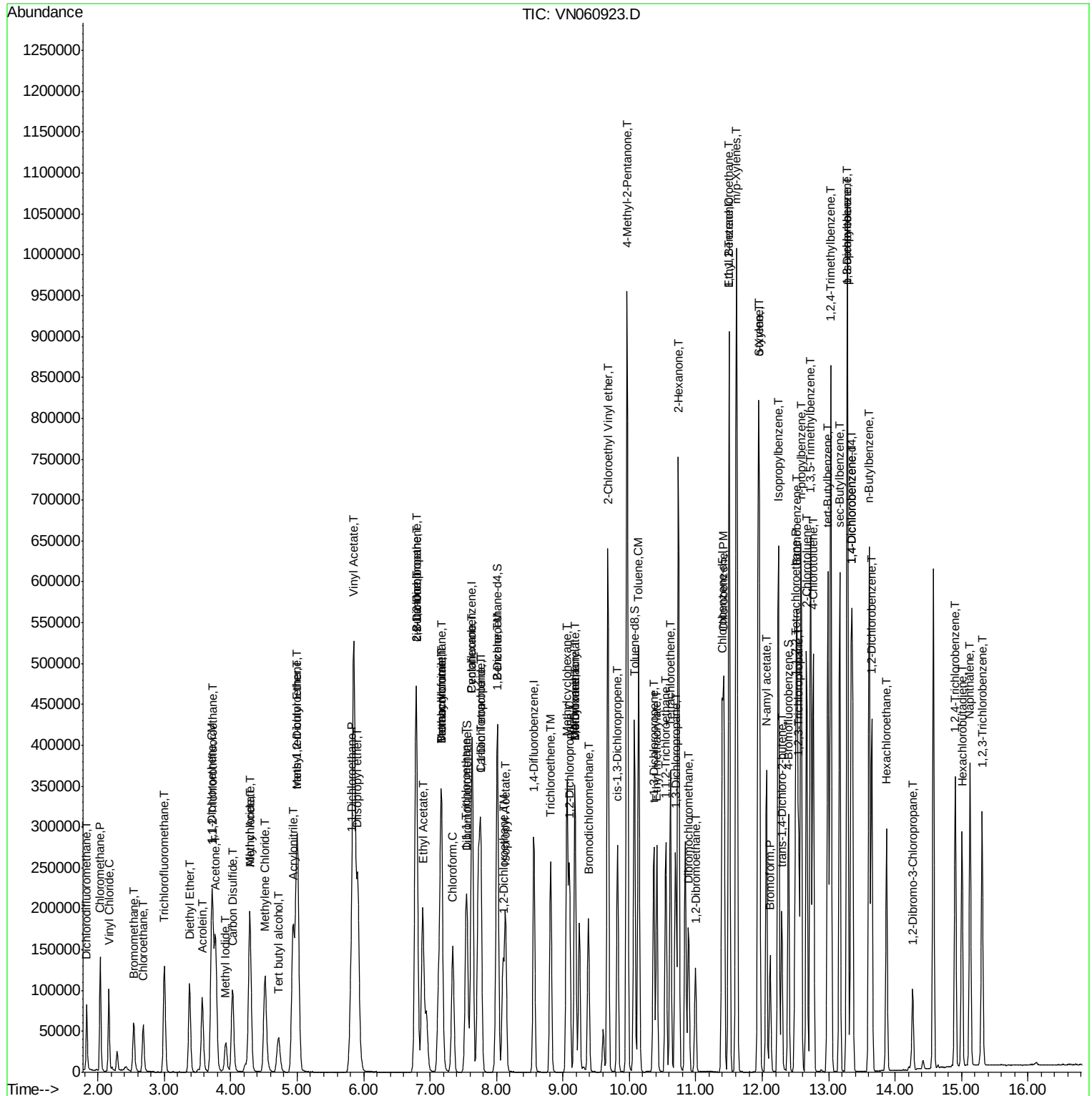
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	112074	53.695	ug/l	100
94) Hexachlorobutadiene	15.00	225	57578	56.272	ug/l	99
95) Naphthalene	15.13	128	309561	49.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	104304	50.735	ug/l	99

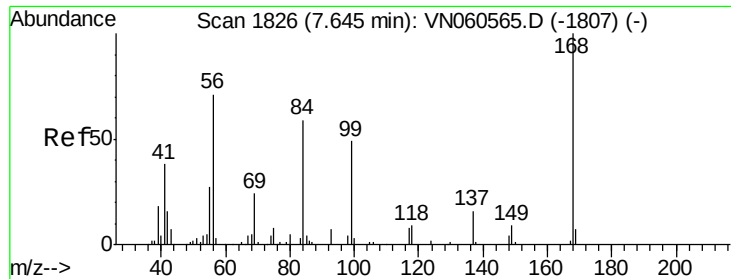
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

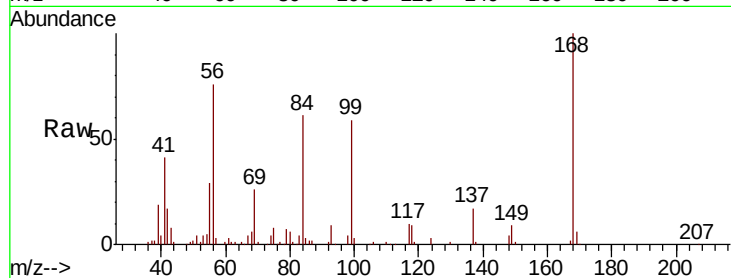
VSTDCCC050

Tot Ion:168 Resp: 152406

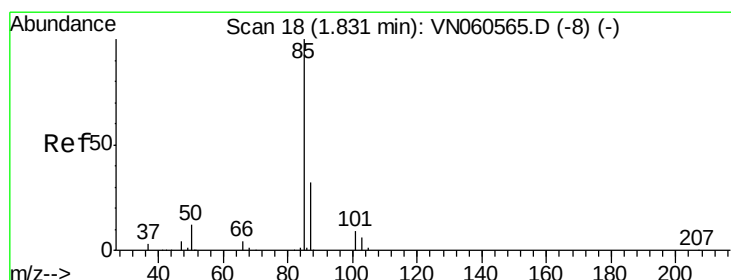
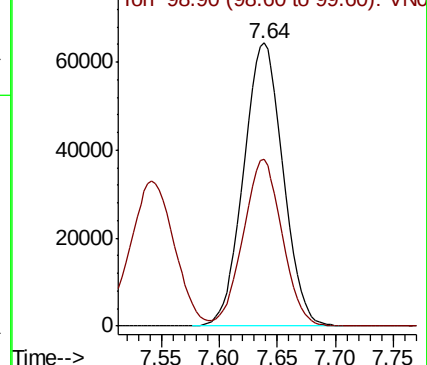
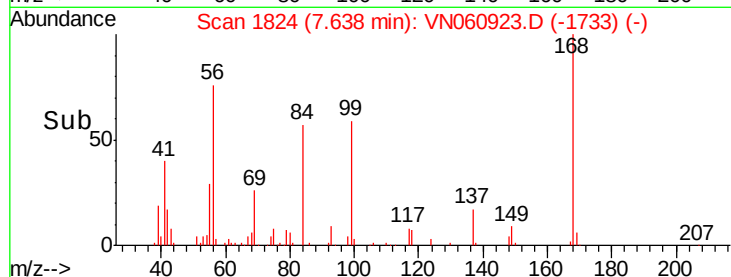
Ion Ratio Lower Upper

168 100

99 58.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060923.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 41.819 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060923.D

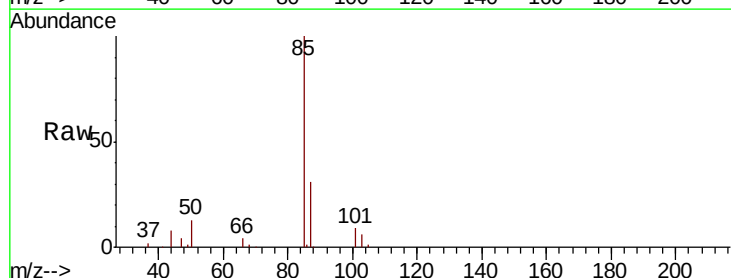
Acq: 14 Apr 2020 10:12

Tgt Ion: 85 Resp: 61669

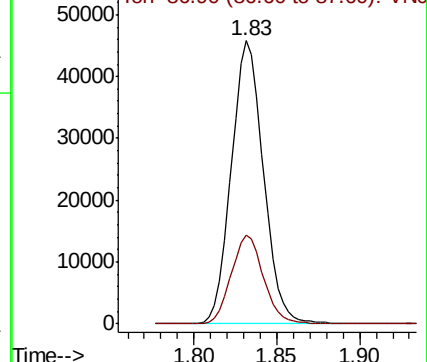
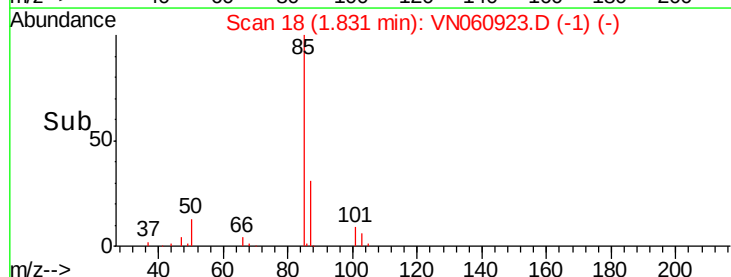
Ion Ratio Lower Upper

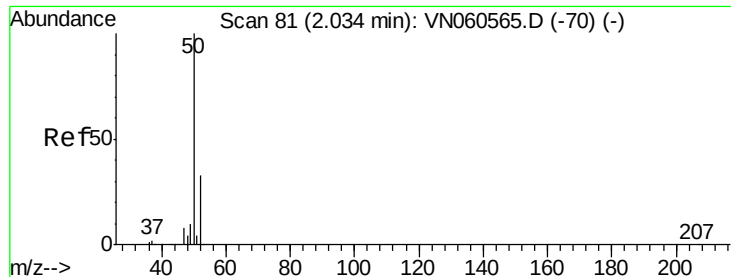
85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060923.D (-1) (-)





#3

Chloromethane

Concen: 42.384 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

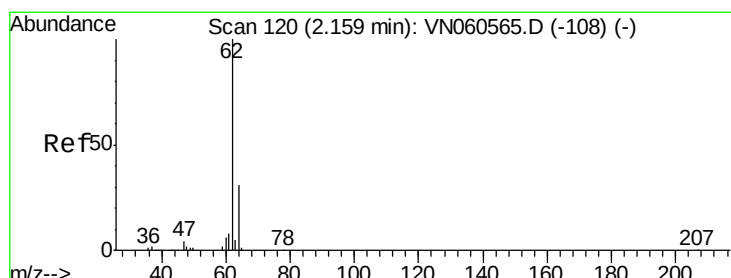
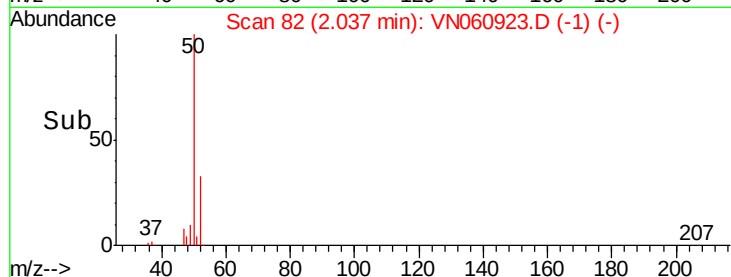
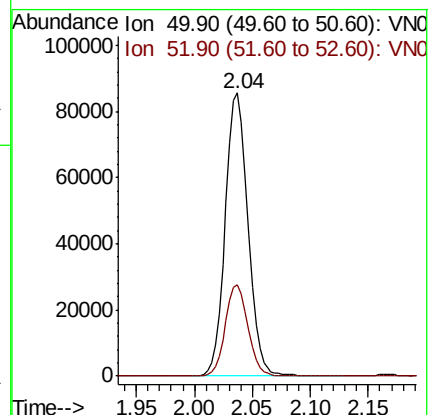
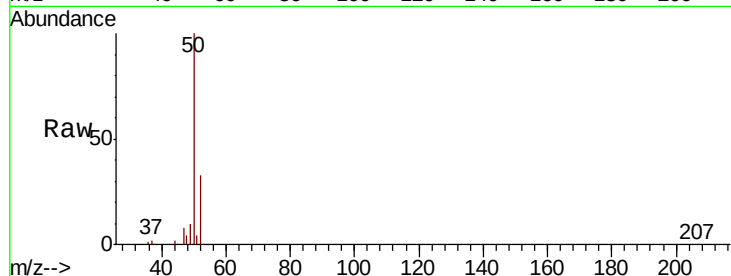
VSTDCCC050

Tot Ion: 50 Resp: 116734

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.2



#4

Vinyl Chloride

Concen: 42.380 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060923.D

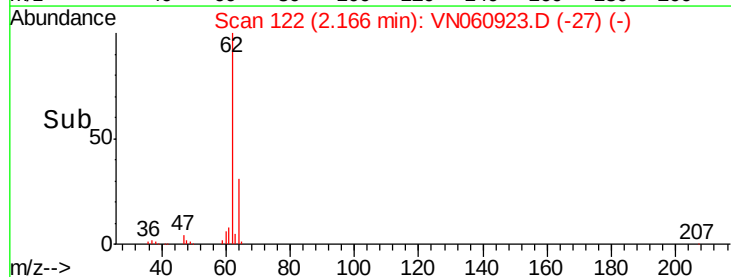
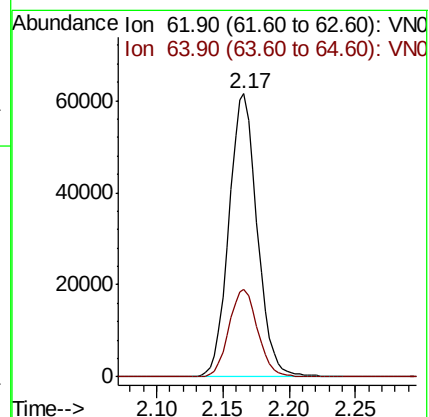
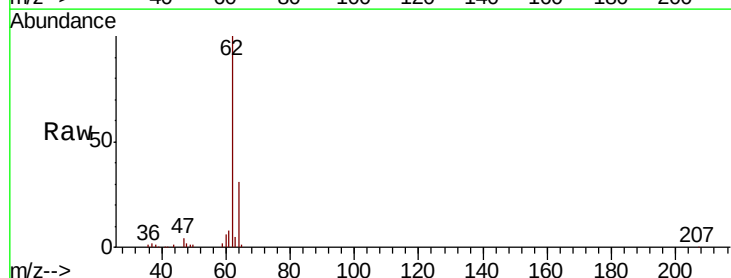
Acq: 14 Apr 2020 10:12

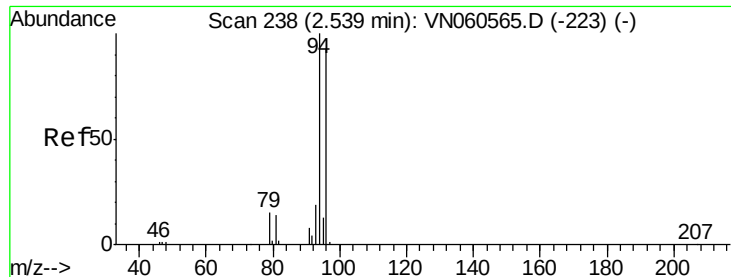
Tgt Ion: 62 Resp: 91295

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 46.928 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

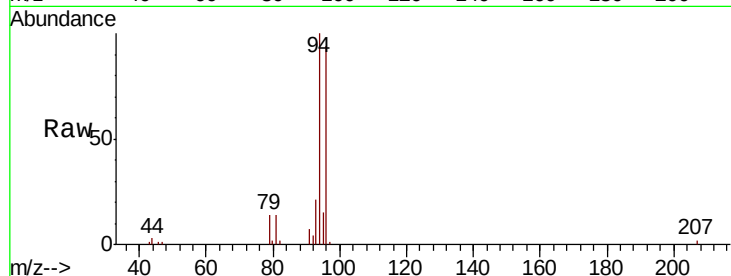
VSTDCCC050

Tot Ion: 94 Resp: 43640

Ion Ratio Lower Upper

94 100

96 93.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060923.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060923.D (-145) (-)

2.54

20000

15000

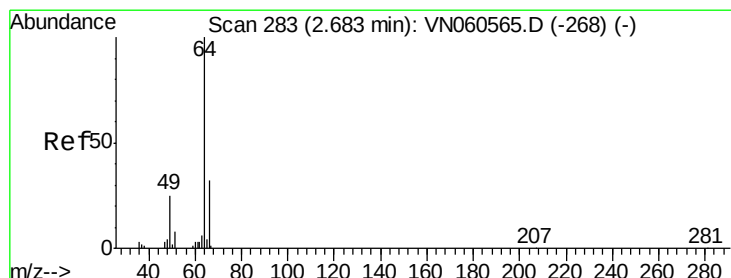
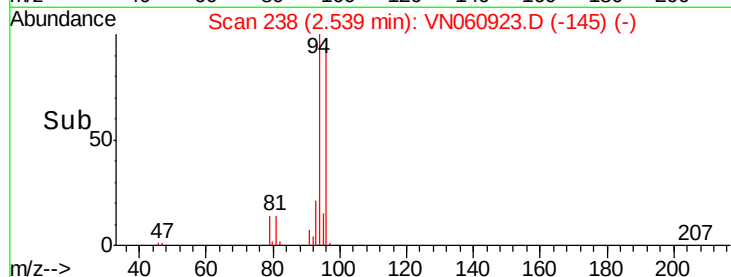
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 47.424 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060923.D

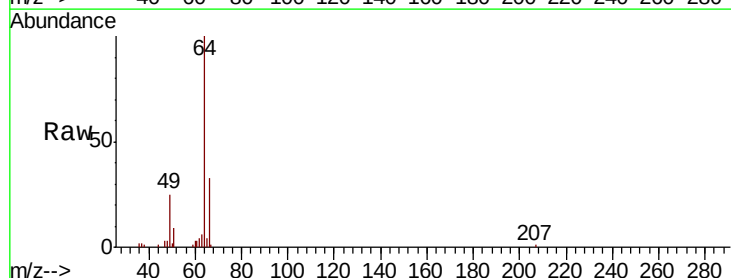
Acq: 14 Apr 2020 10:12

Tgt Ion: 64 Resp: 58850

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060923.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060923.D (-190) (-)

2.68

30000

25000

20000

15000

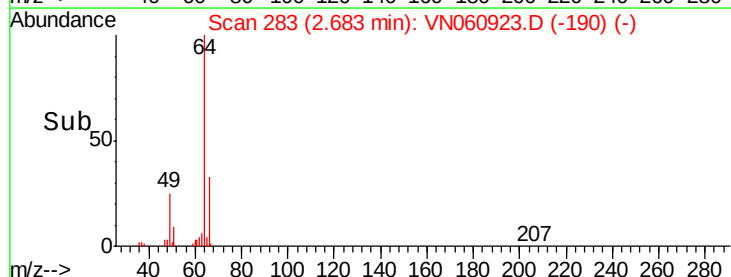
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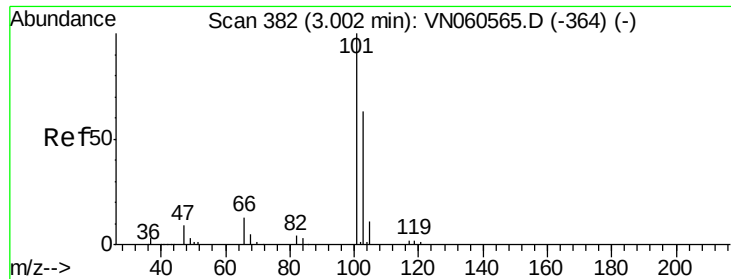
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



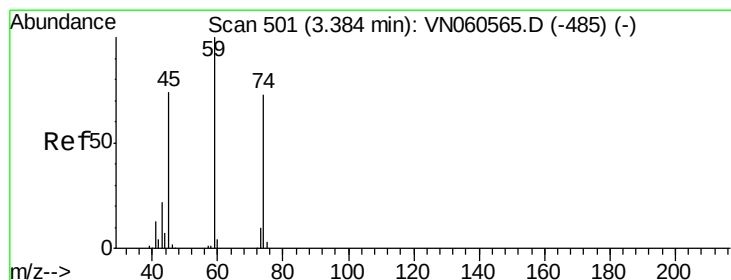
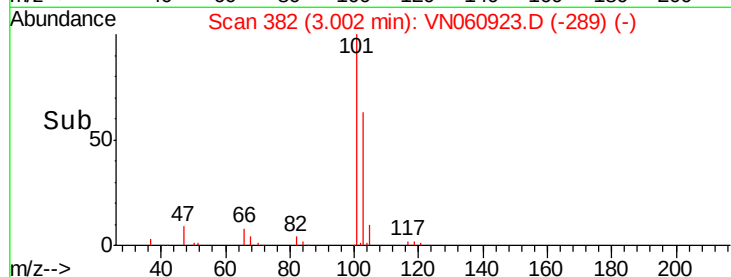
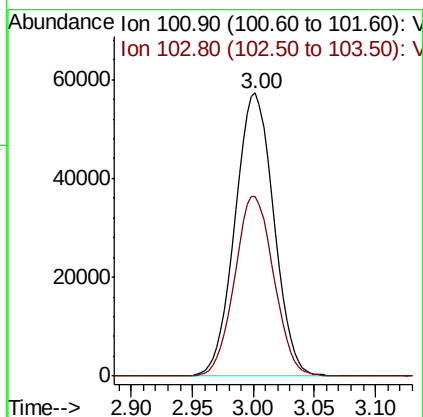
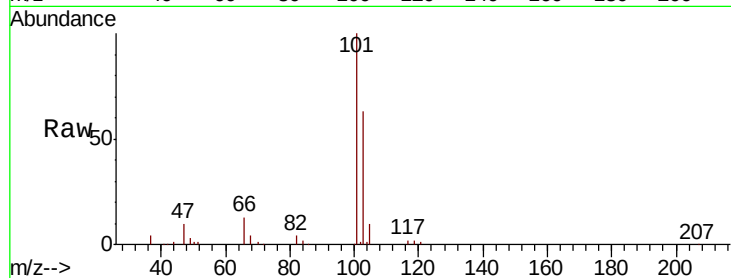


#7

Trichlorofluoromethane
 Concen: 47.536 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
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 VSTDCCC050

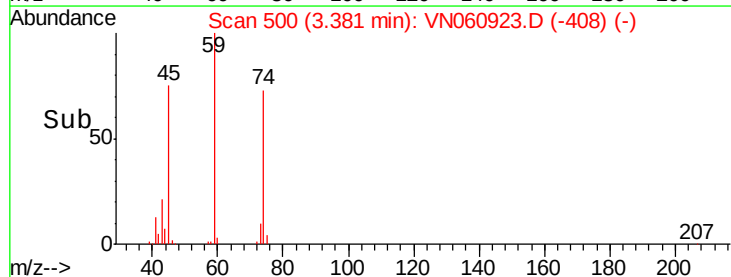
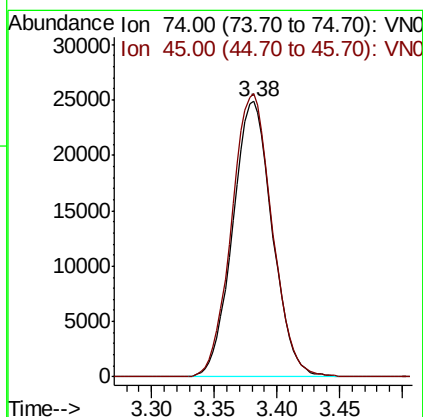
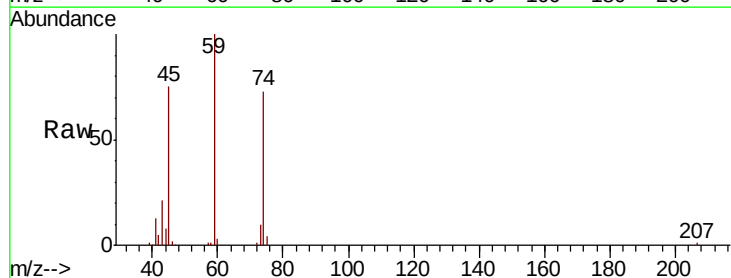
Tot Ion:101 Resp: 126144
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.6 76.0

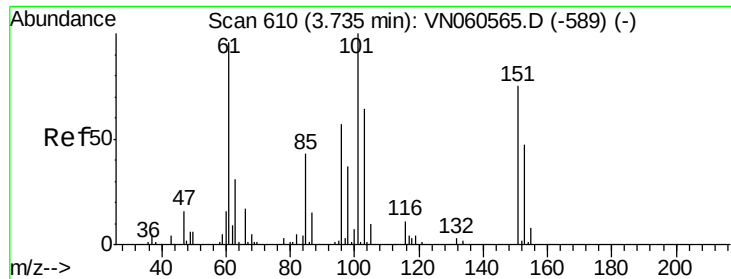


#8

Diethyl Ether
 Concen: 51.284 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 74 Resp: 54670
 Ion Ratio Lower Upper
 74 100
 45 105.1 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.310 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

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MSVOA_N

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VSTDCCC050

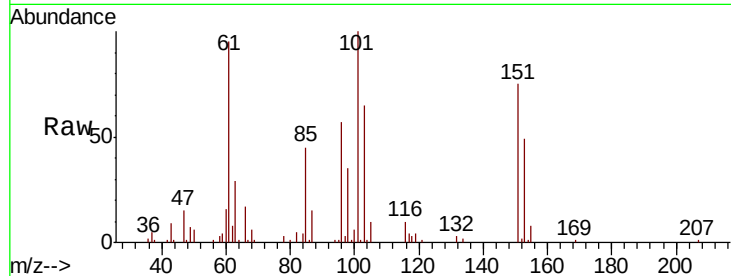
Tot Ion:101 Resp: 78897

Ion Ratio Lower Upper

101 100

85 44.4 35.6 53.4

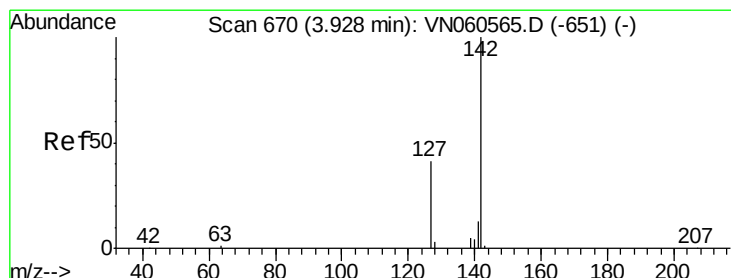
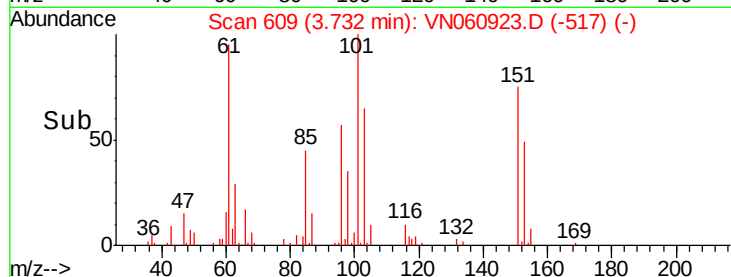
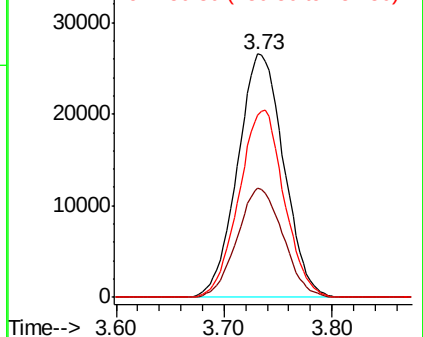
151 75.1 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.555 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

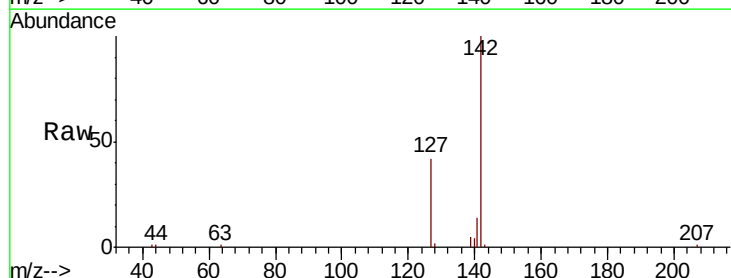
Tgt Ion:142 Resp: 58226

Ion Ratio Lower Upper

142 100

127 41.1 33.5 50.3

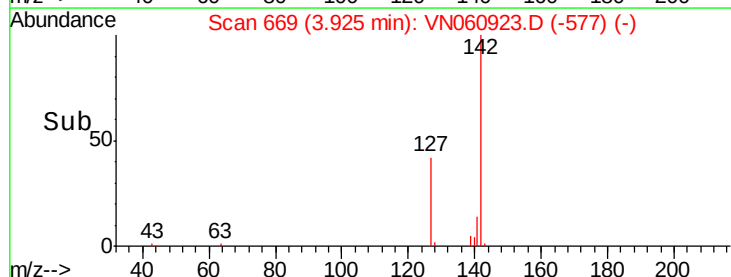
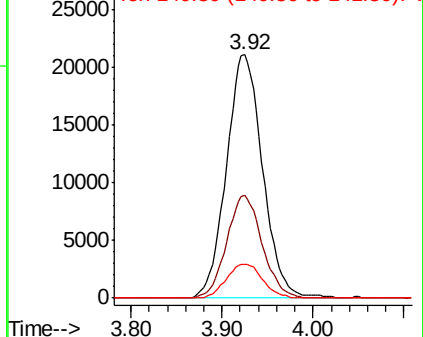
141 13.9 11.0 16.6

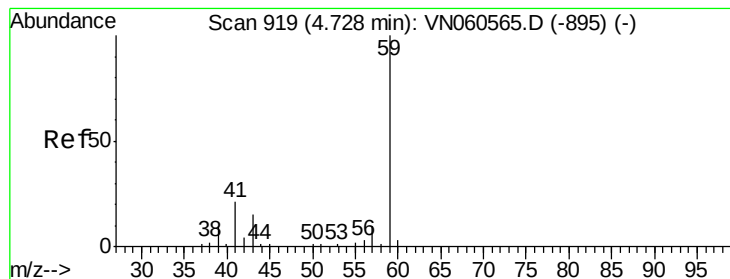


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



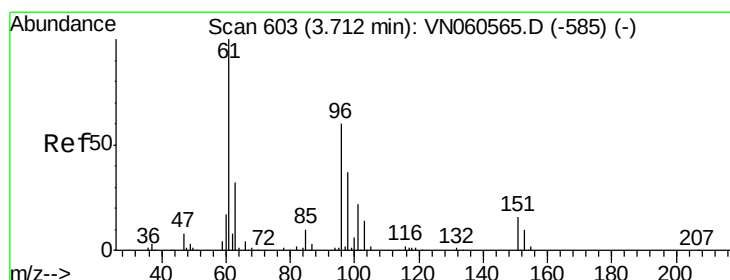
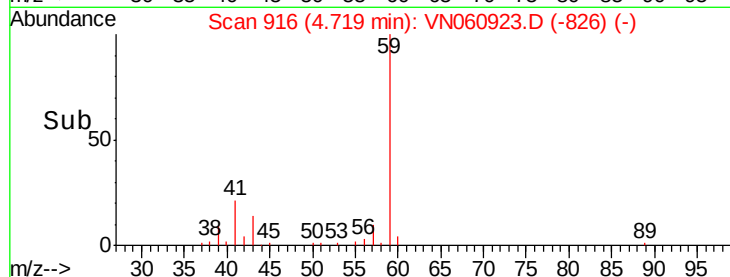
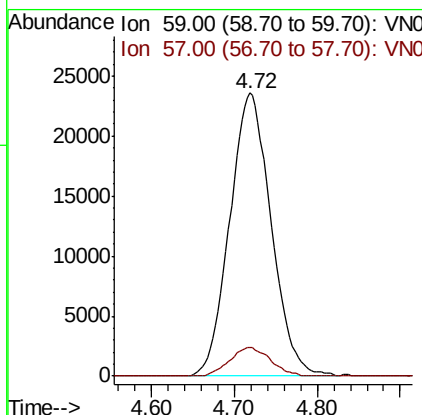
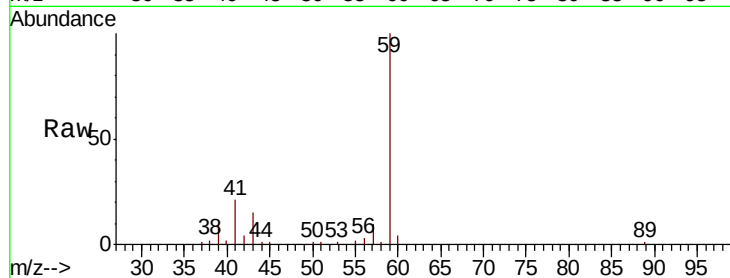


#11

Tert butyl alcohol
 Concen: 265.692 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

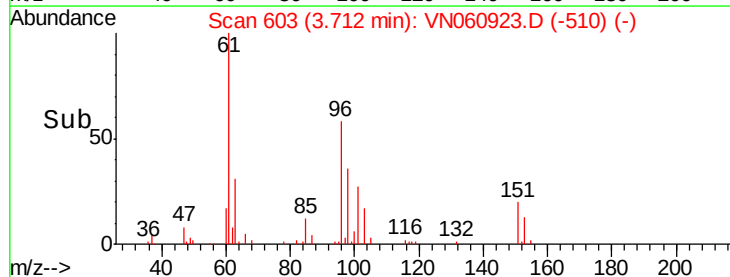
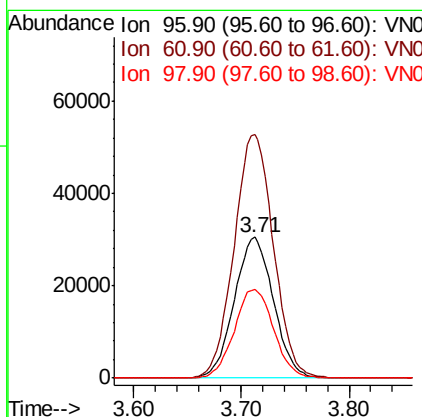
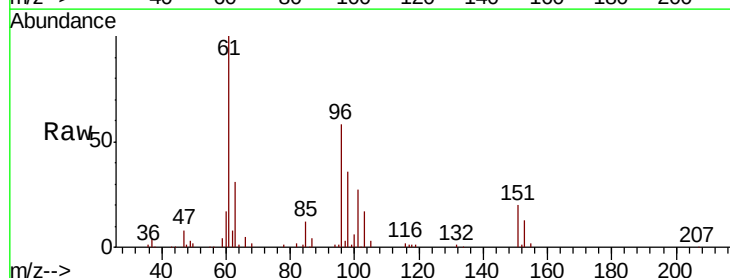
Tot Ion: 59 Resp: 81752
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

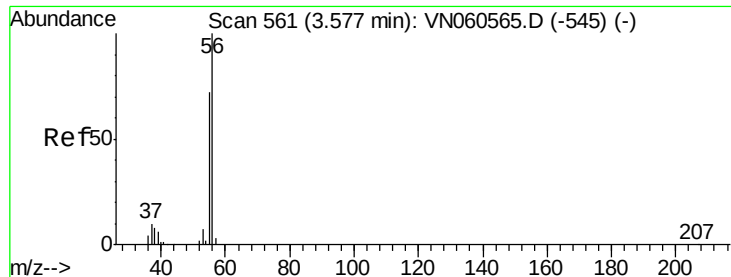


#12

1,1-Dichloroethene
 Concen: 46.638 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 96 Resp: 76957
 Ion Ratio Lower Upper
 96 100
 61 173.1 134.1 201.1
 98 62.7 49.9 74.9





#13

Acrolein

Concen: 303.516 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

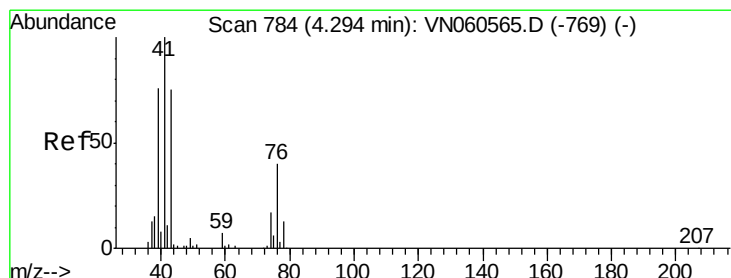
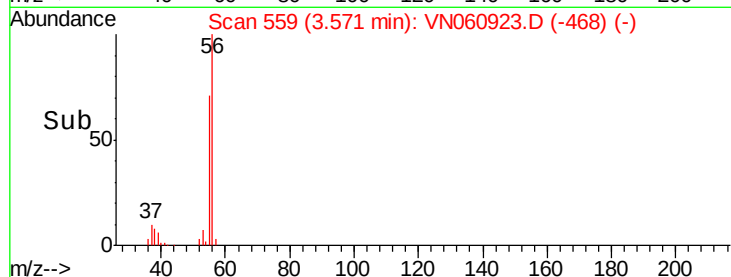
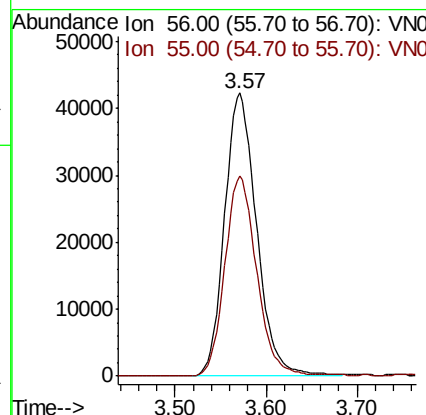
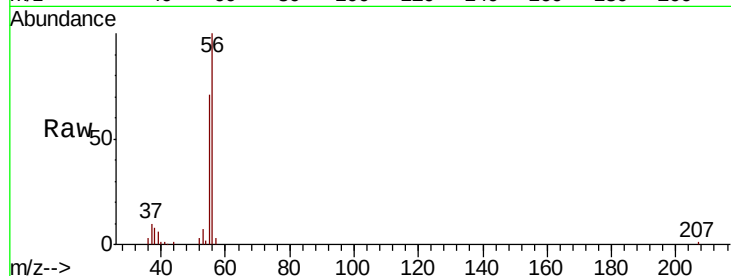
VSTDCCC050

Tot Ion: 56 Resp: 103504

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1



#14

Allyl chloride

Concen: 50.461 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

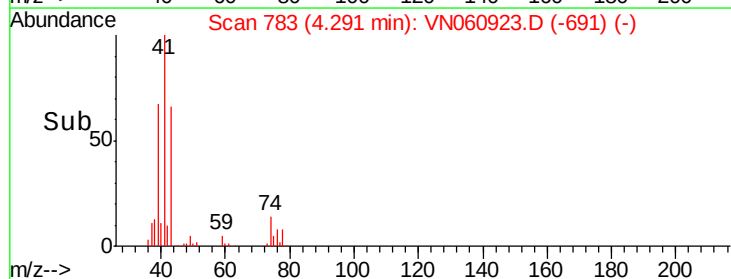
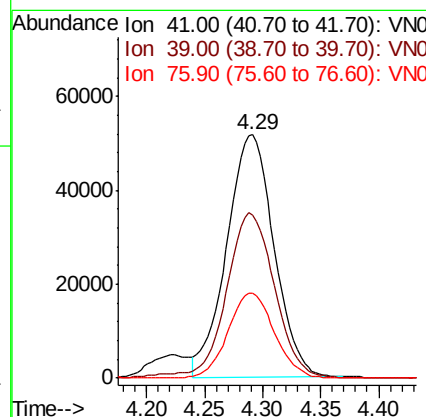
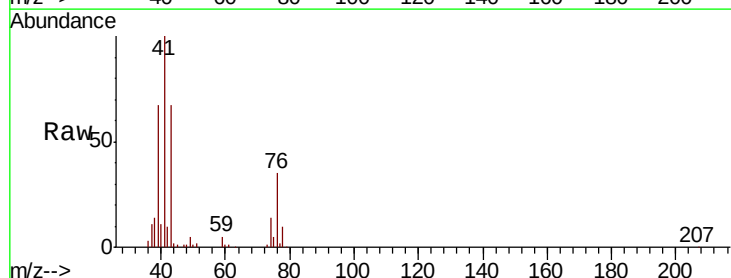
Tgt Ion: 41 Resp: 146445

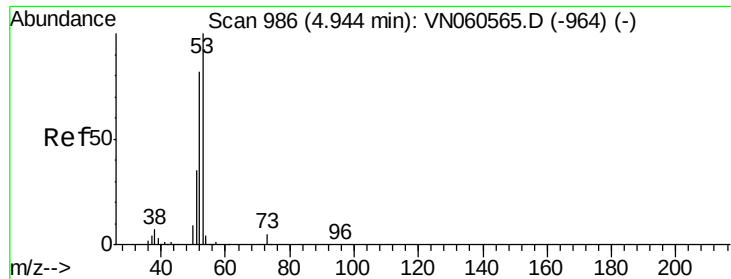
Ion Ratio Lower Upper

41 100

39 69.9 57.8 86.8

76 34.4 28.6 43.0





#15

Acrylonitrile

Concen: 260.525 ug/l

RT: 4.93 min Scan# 983

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

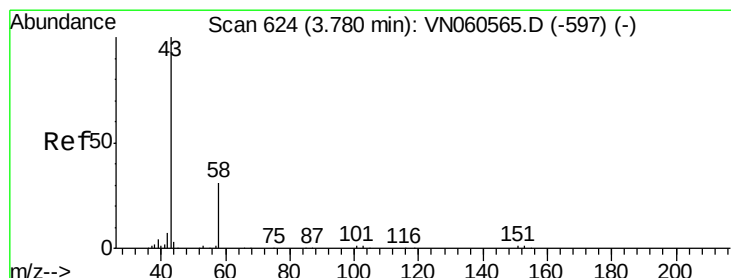
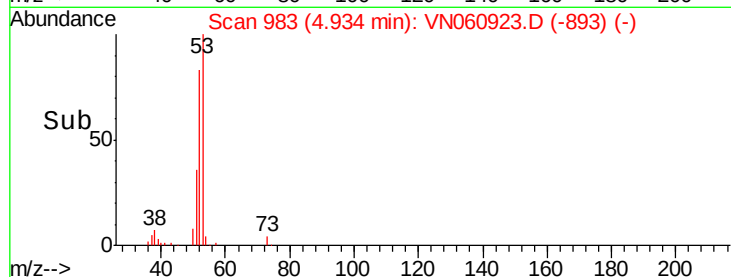
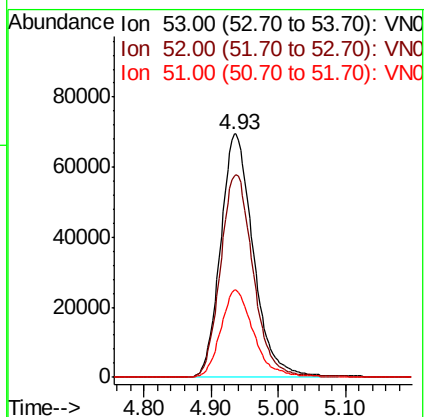
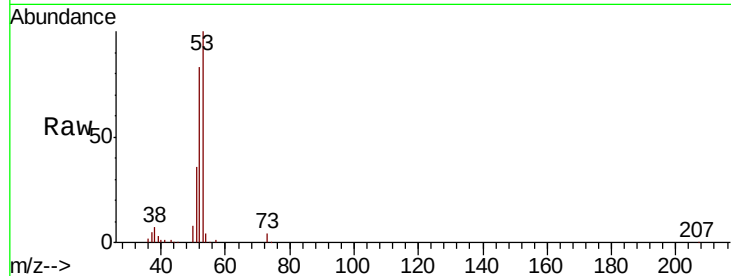
Tot Ion: 53 Resp: 235724

Ion Ratio Lower Upper

53 100

52 83.2 66.2 99.4

51 36.1 28.7 43.1



#16

Acetone

Concen: 329.217 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN060923.D

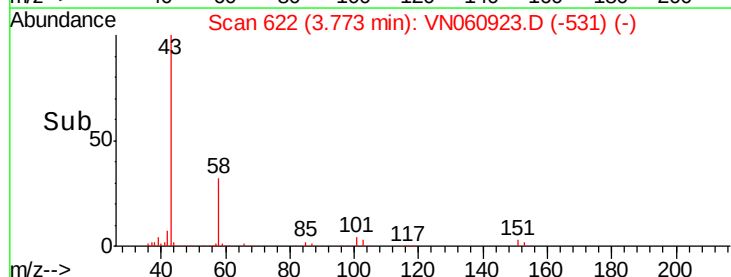
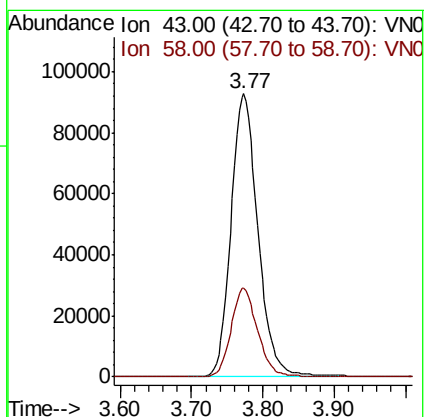
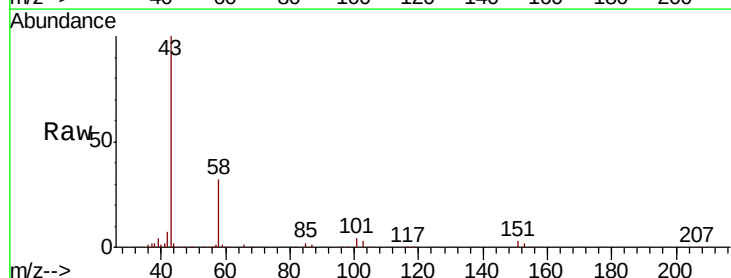
Acq: 14 Apr 2020 10:12

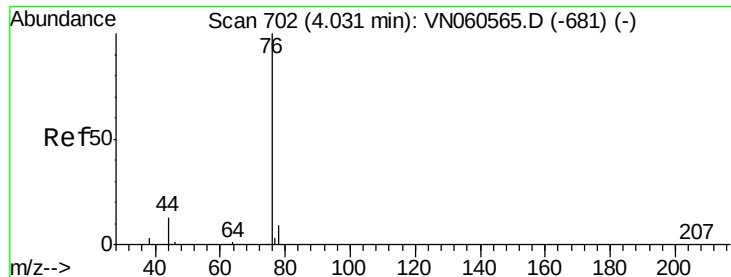
Tgt Ion: 43 Resp: 243981

Ion Ratio Lower Upper

43 100

58 31.5 25.1 37.7





#17

Carbon Disulfide

Concen: 41.505 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

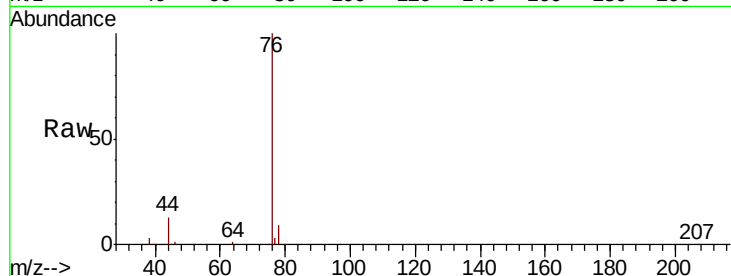
VSTDCCC050

Tot Ion: 76 Resp: 208287

Ion Ratio Lower Upper

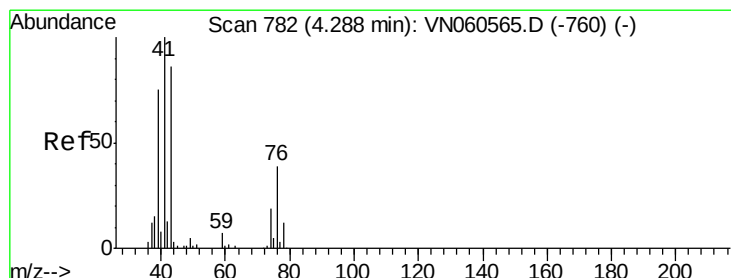
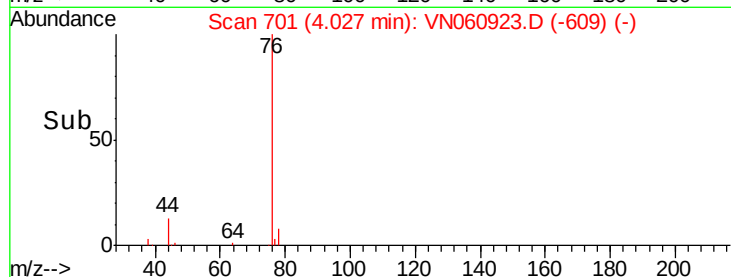
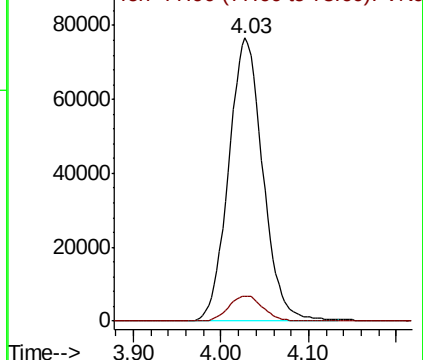
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060923.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060923.D (-609) (-)



#18

Methyl Acetate

Concen: 55.037 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.01 min

Lab File: VN060923.D

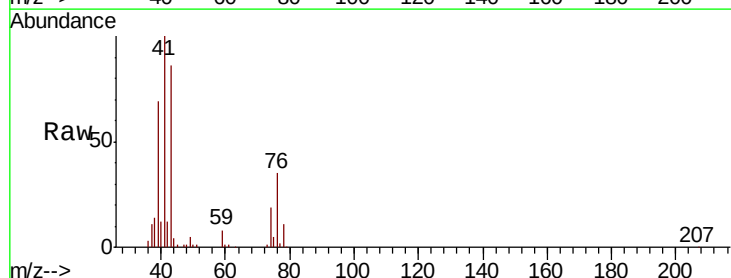
Acq: 14 Apr 2020 10:12

Tgt Ion: 43 Resp: 114806

Ion Ratio Lower Upper

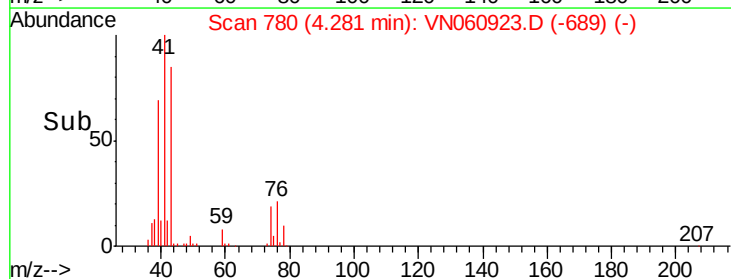
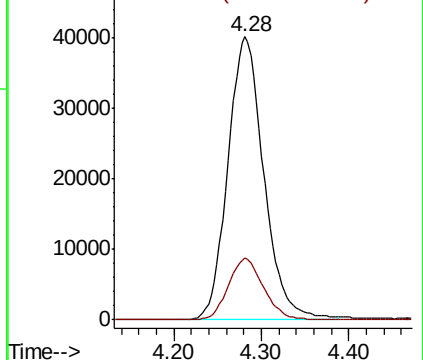
43 100

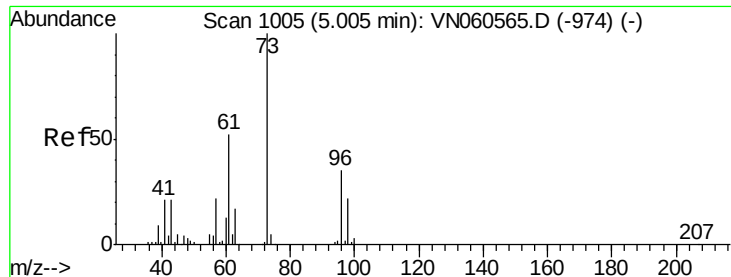
74 21.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060923.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060923.D (-689) (-)





#19

Methyl tert-butyl Ether

Concen: 50.428 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

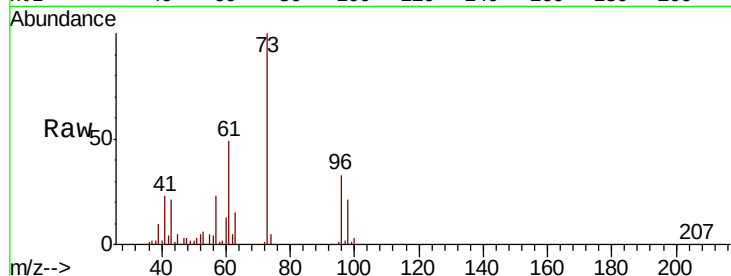
VSTDCCC050

Tot Ion: 73 Resp: 286086

Ion Ratio Lower Upper

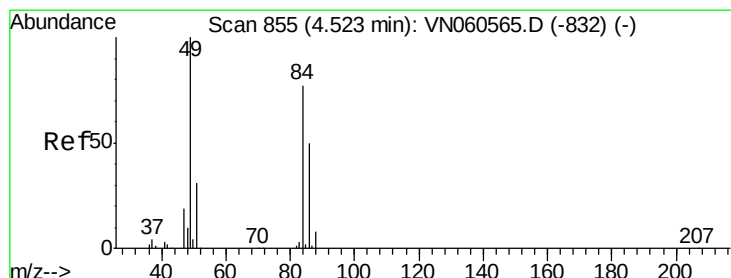
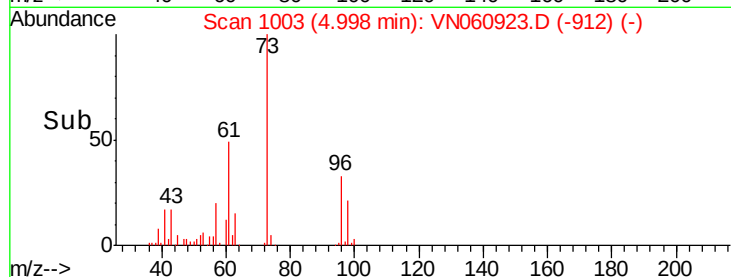
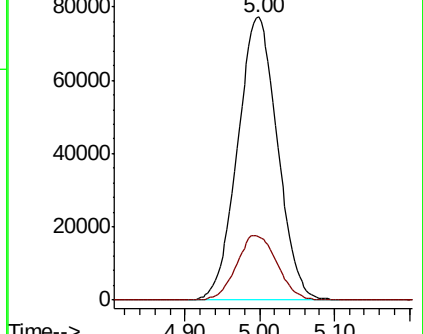
73 100

57 22.5 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VN060565.D (-974) (-)

Ion 57.00 (56.70 to 57.70): VN060565.D (-974) (-)



#20

Methylene Chloride

Concen: 48.865 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion: 84 Resp: 89083

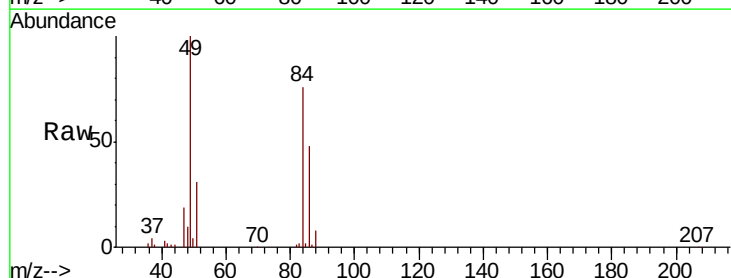
Ion Ratio Lower Upper

84 100

49 131.7 103.3 154.9

51 40.8 31.6 47.4

86 63.5 52.0 78.0

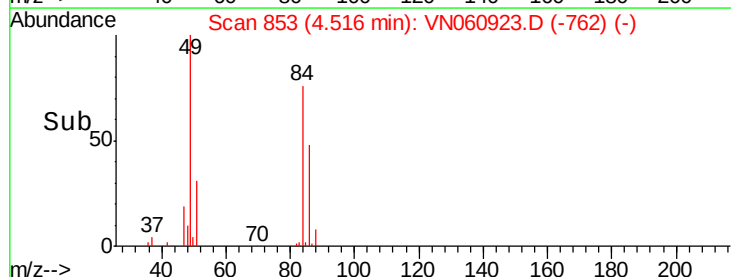
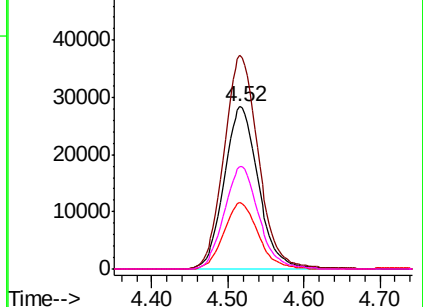


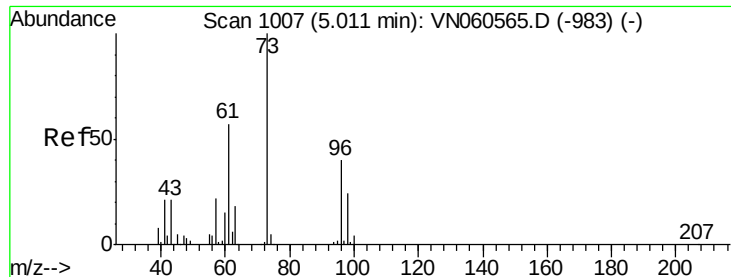
Abundance Ion 83.90 (83.60 to 84.60): VN060565.D (-832) (-)

Ion 48.90 (48.60 to 49.60): VN060565.D (-832) (-)

Ion 50.90 (50.60 to 51.60): VN060565.D (-832) (-)

Ion 85.90 (85.60 to 86.60): VN060565.D (-832) (-)

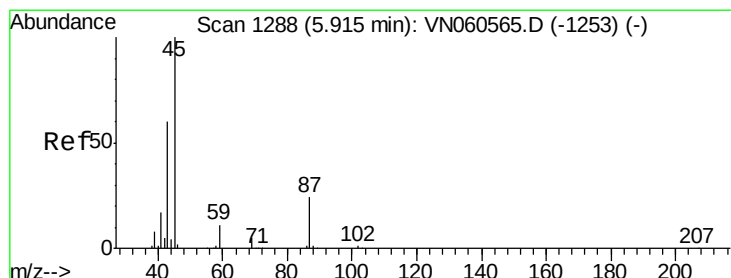
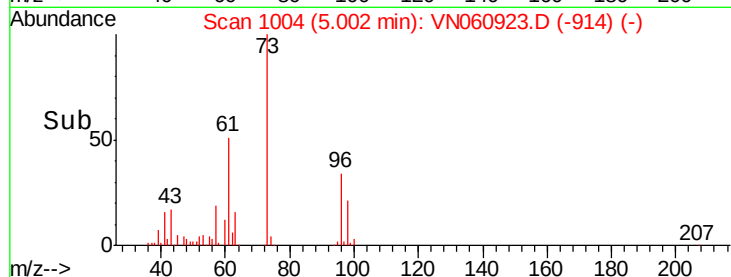
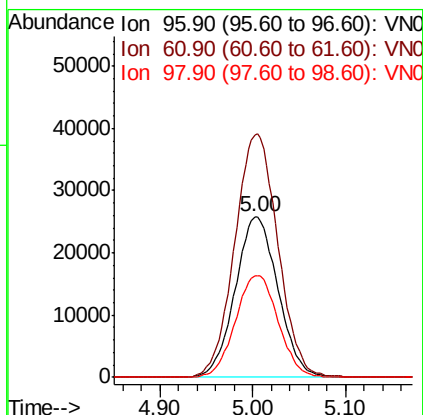
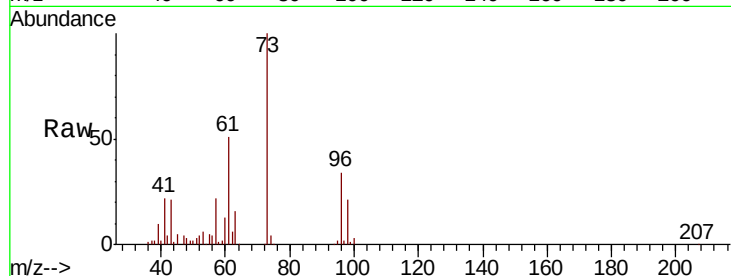




#21
trans-1,2-Dichloroethene
Concen: 46.949 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

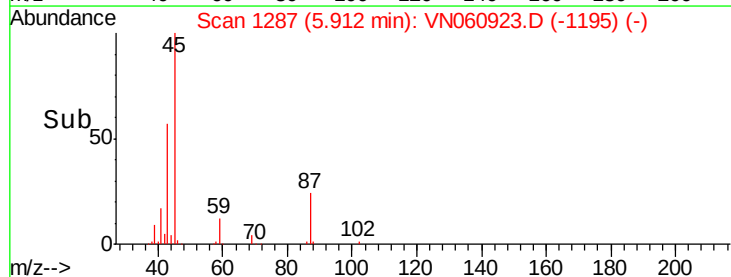
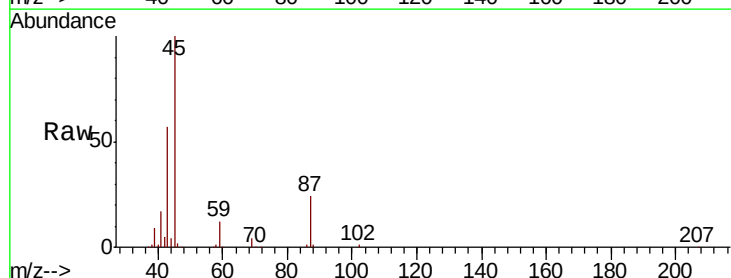
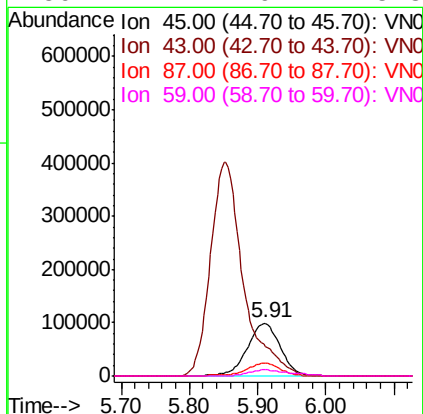
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

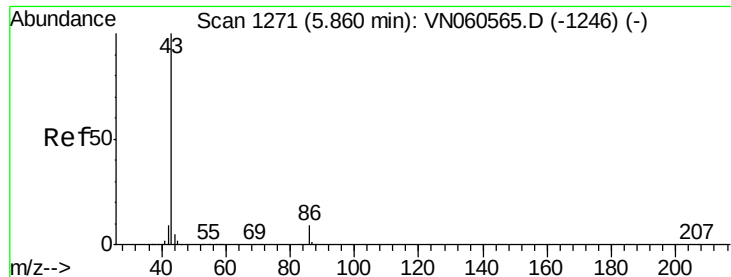
Tot Ion: 96 Resp: 82566
Ion Ratio Lower Upper
96 100
61 150.7 114.4 171.6
98 63.1 48.4 72.6



#22
Diisopropyl ether
Concen: 54.360 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 45 Resp: 333296
Ion Ratio Lower Upper
45 100
43 56.3 49.8 74.8
87 24.0 20.1 30.1
59 11.4 9.2 13.8





#23

Vinyl Acetate

Concen: 270.012 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

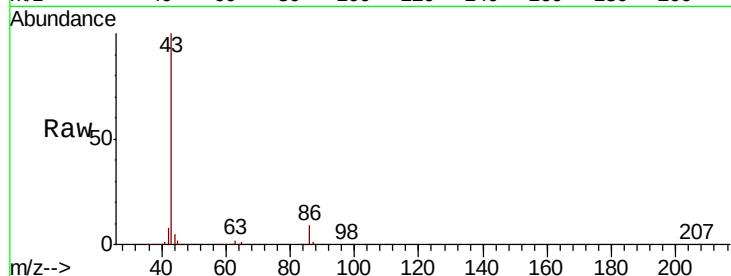
VSTDCCC050

Tot Ion: 43 Resp: 1350773

Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060923.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060923.D (-1178) (-)

5.85

400000

300000

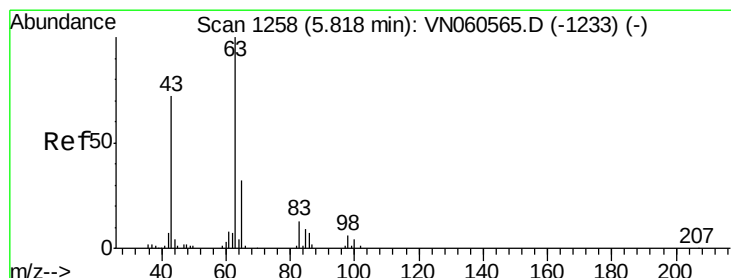
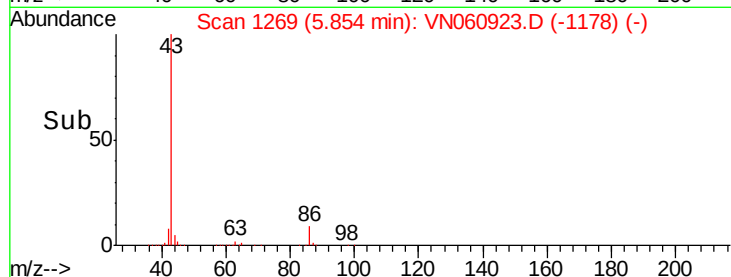
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.751 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

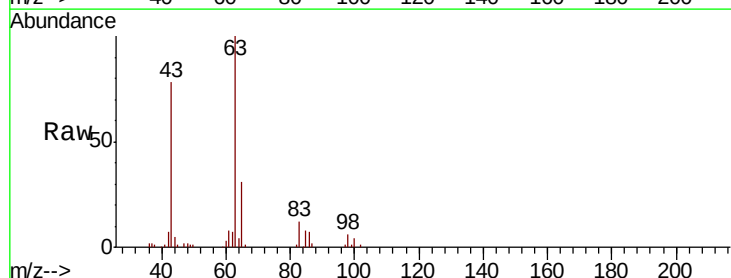
Tgt Ion: 63 Resp: 172977

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060923.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060923.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060923.D (-1165) (-)

5.81

60000

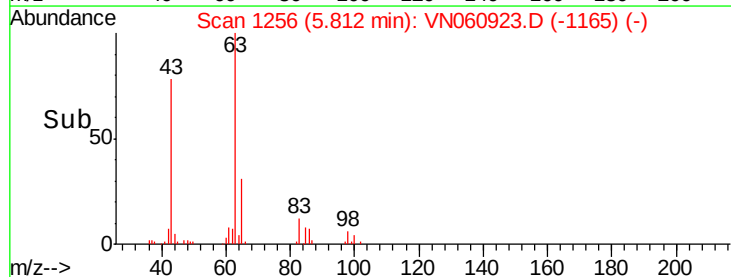
40000

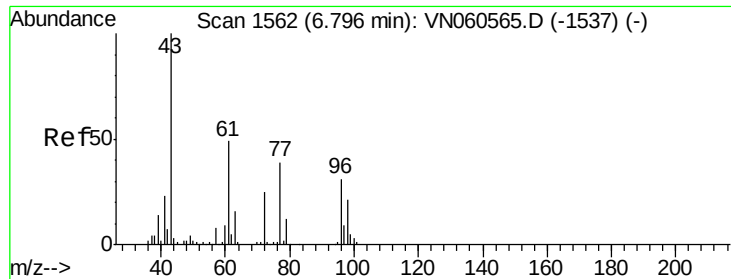
20000

0

5.70 5.90

Time-->

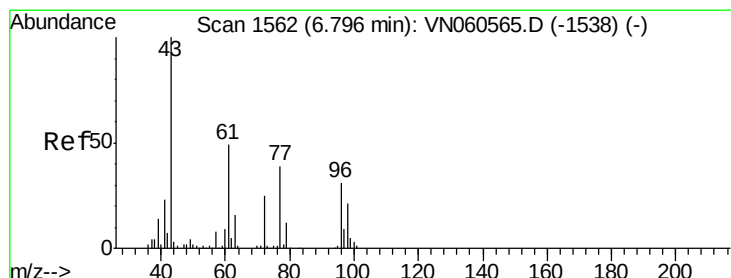
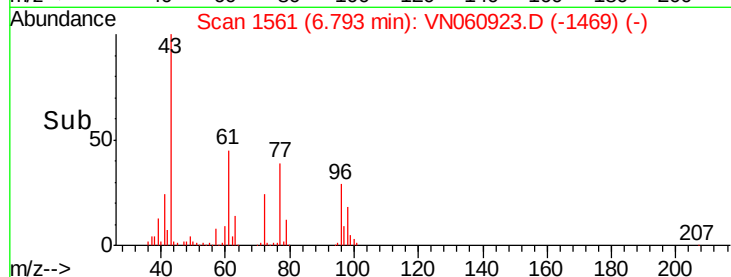
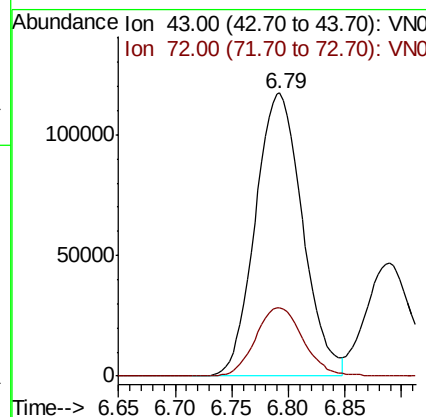
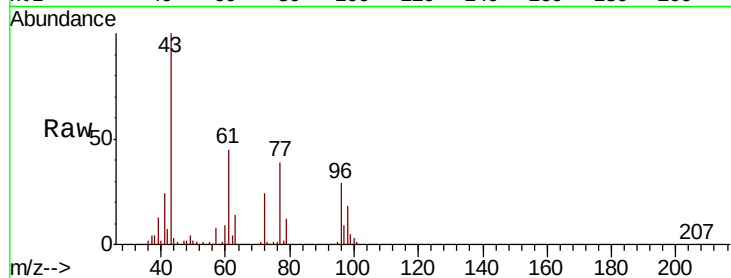




#25
2-Butanone
Concen: 283.884 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

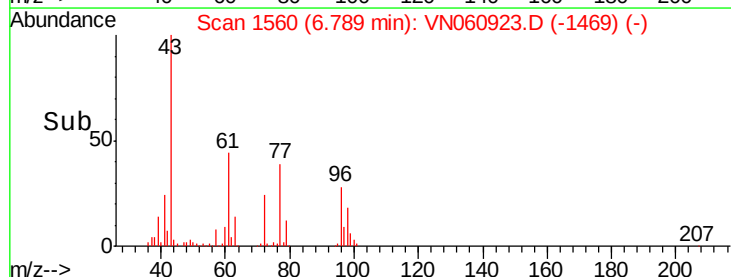
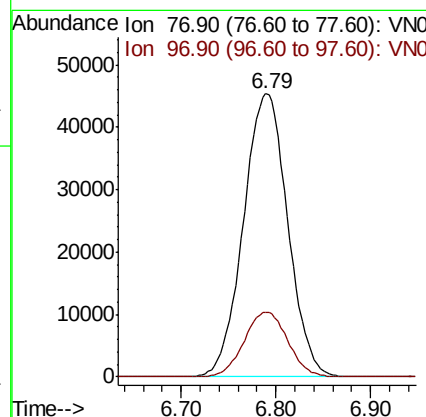
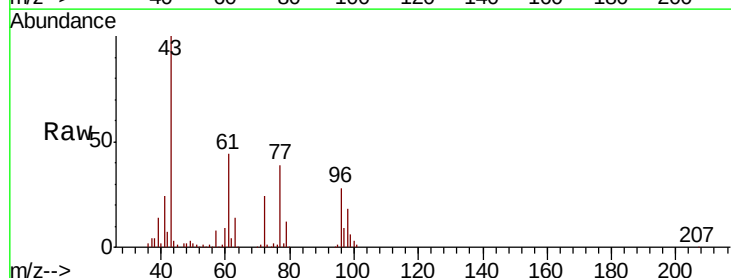
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

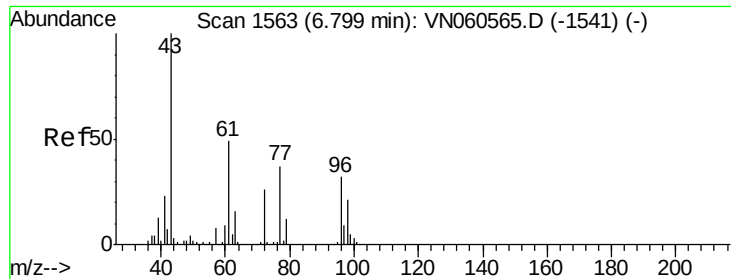
Tot Ion: 43 Resp: 340440
Ion Ratio Lower Upper
43 100
72 24.2 20.4 30.6



#26
2,2-Dichloropropane
Concen: 56.037 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 77 Resp: 147369
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.461 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

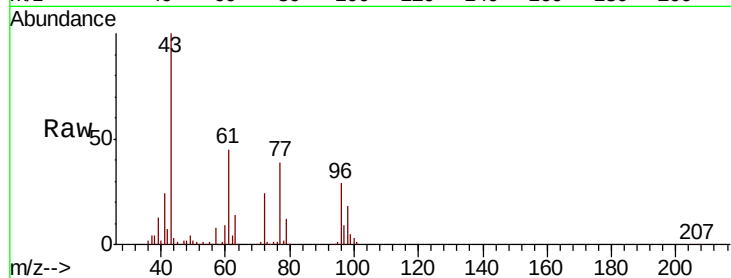
Tot Ion: 96 Resp: 98846

Ion Ratio Lower Upper

96 100

61 159.4 0.0 305.6

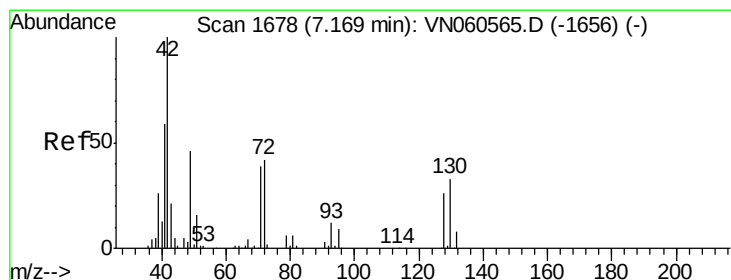
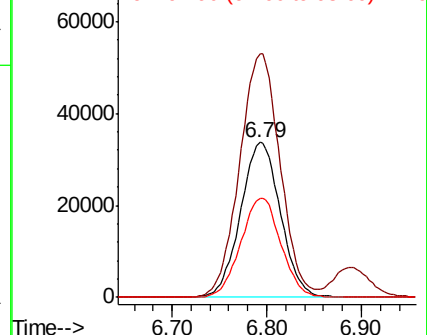
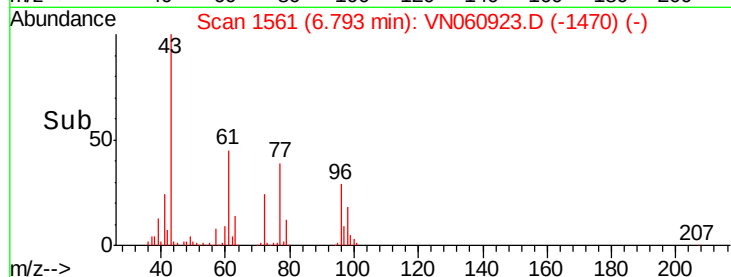
98 64.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060923.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060923.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060923.D (-1470) (-)



#28

Bromochloromethane

Concen: 52.719 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

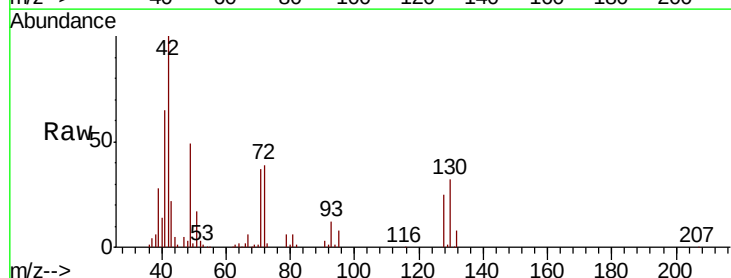
Tgt Ion: 49 Resp: 84307

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

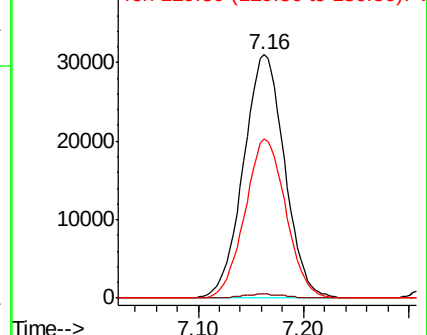
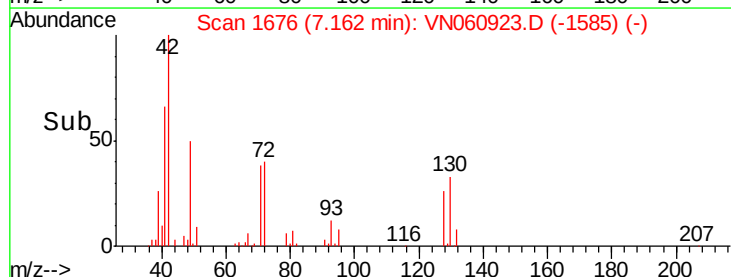
130 64.8 55.0 82.4

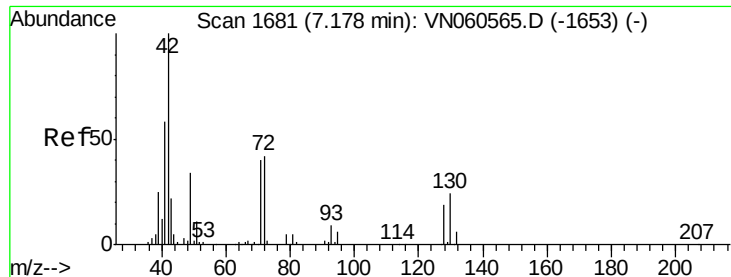


Abundance Ion 48.90 (48.60 to 49.60): VN060923.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060923.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060923.D (-1585) (-)

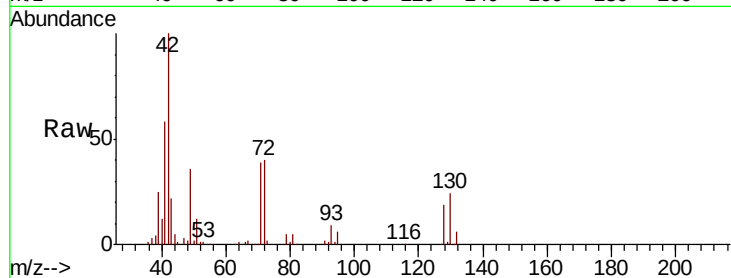




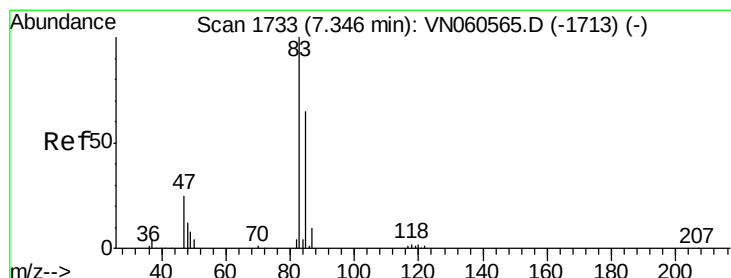
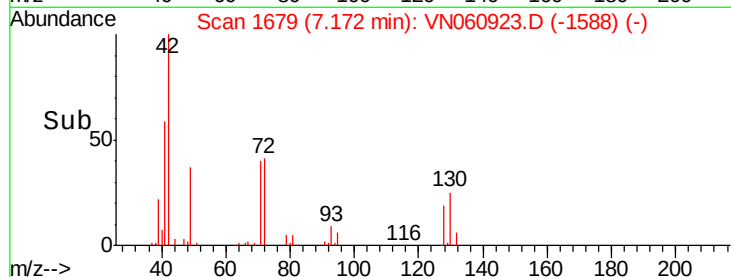
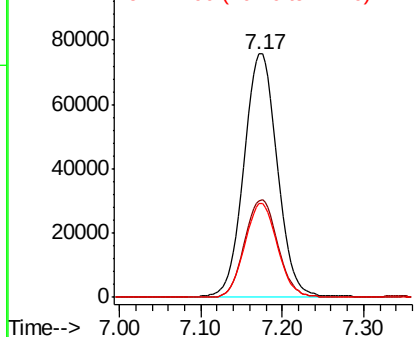
#29
Tetrahydrofuran
Concen: 252.622 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 214349
Ion Ratio Lower Upper
42 100
72 39.9 33.2 49.8
71 37.8 31.1 46.7

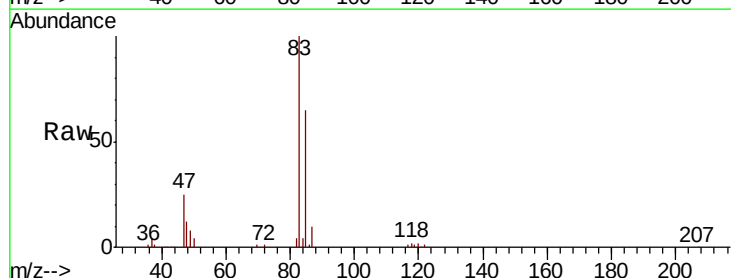


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

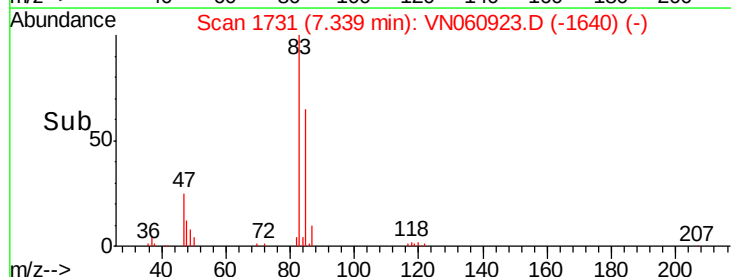
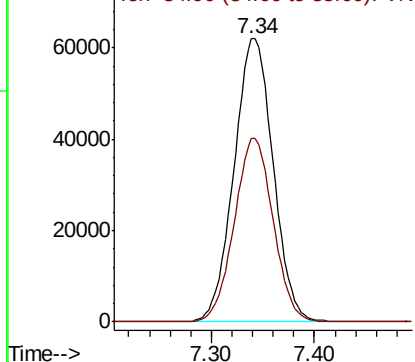


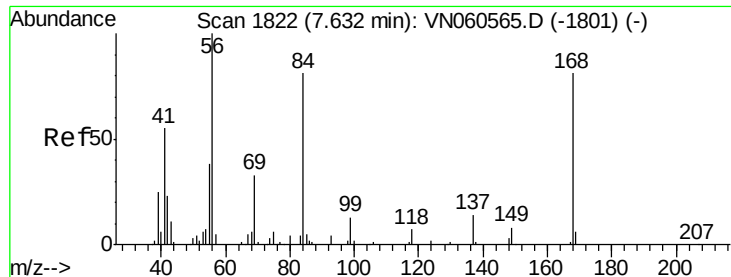
#30
Chloroform
Concen: 51.133 ug/l
RT: 7.34 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 83 Resp: 163847
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

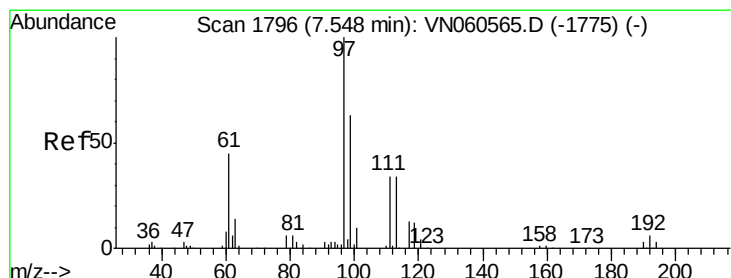
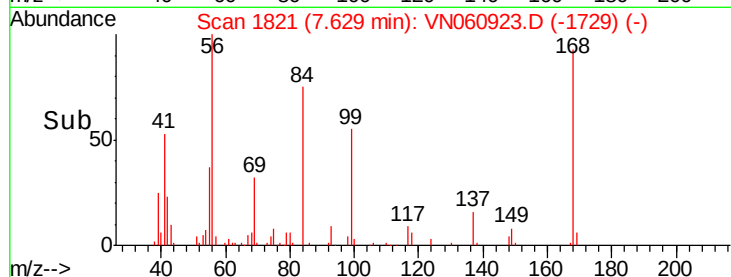
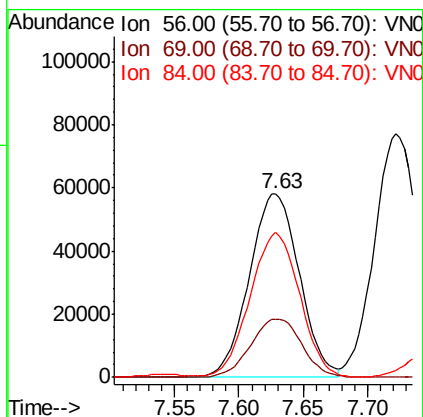
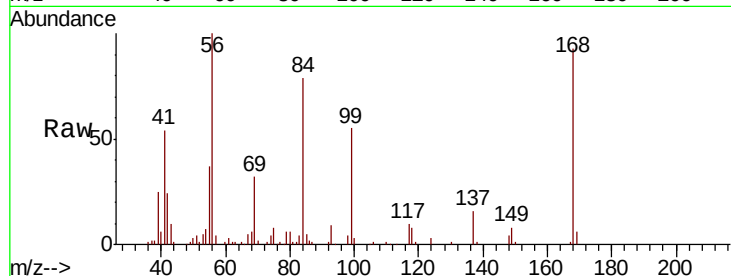




#31
Cyclohexane
Concen: 46.594 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

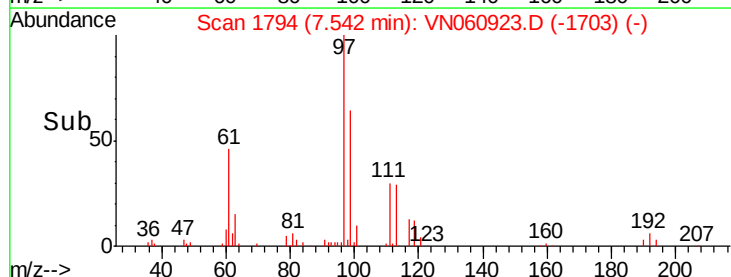
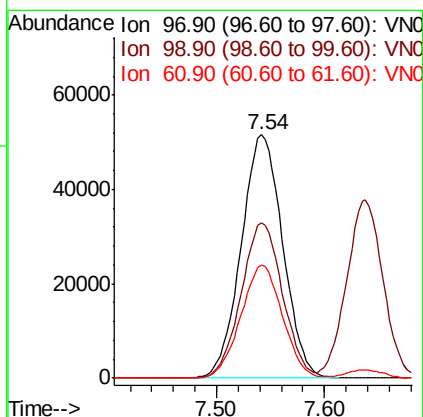
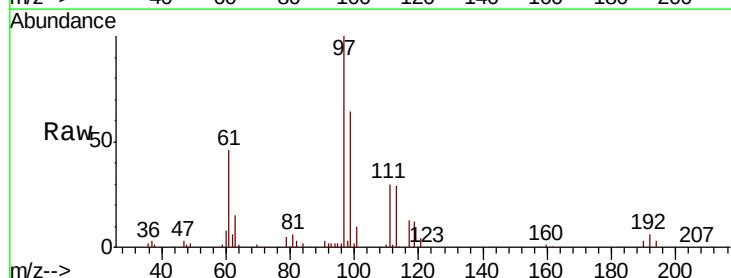
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

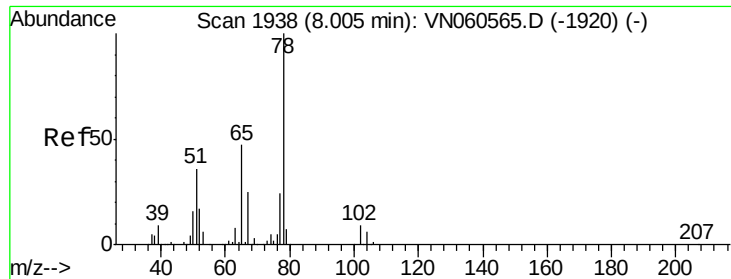
Tot Ion: 56 Resp: 157008
Ion Ratio Lower Upper
56 100
69 31.9 26.6 40.0
84 77.8 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 49.933 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 97 Resp: 137933
Ion Ratio Lower Upper
97 100
99 63.6 50.6 75.8
61 46.6 36.2 54.4

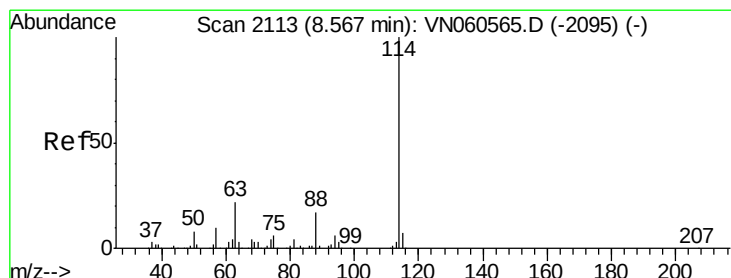
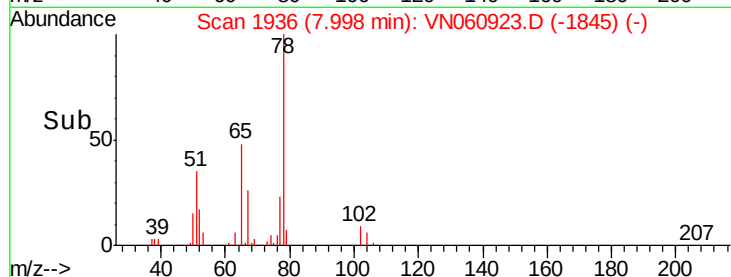
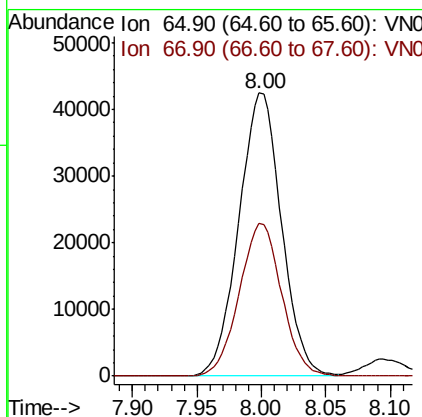
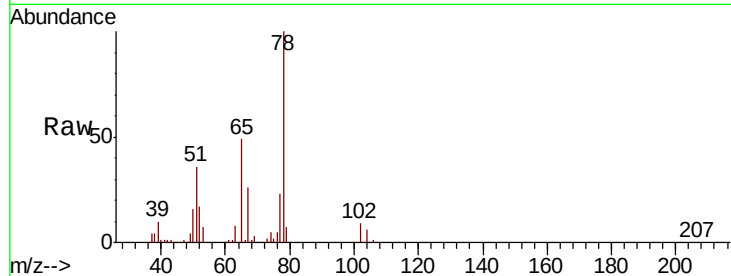




#33
 1,2-Dichloroethane-d4
 Concen: 46.791 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

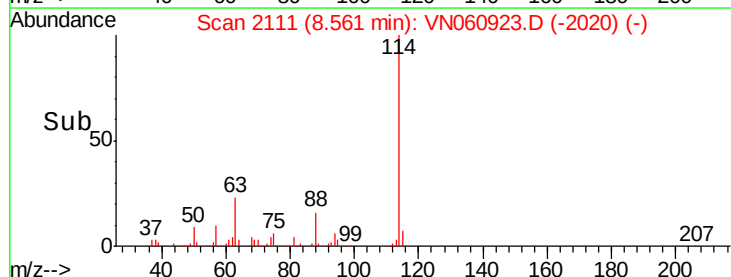
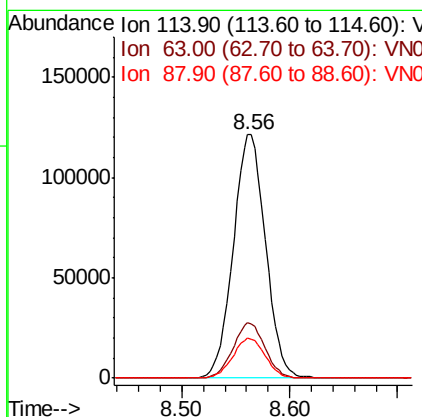
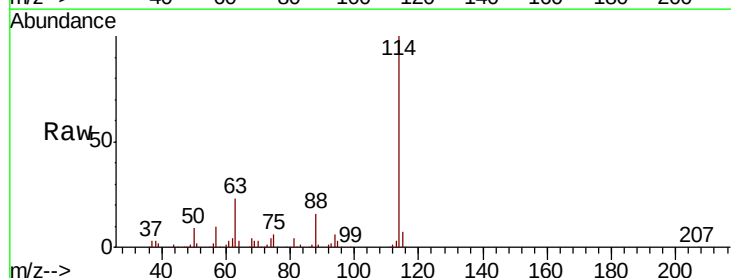
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

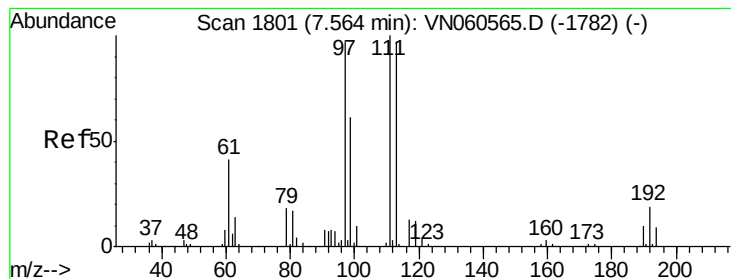
Tot Ion: 65 Resp: 97896
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 114 Resp: 253037
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.688 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

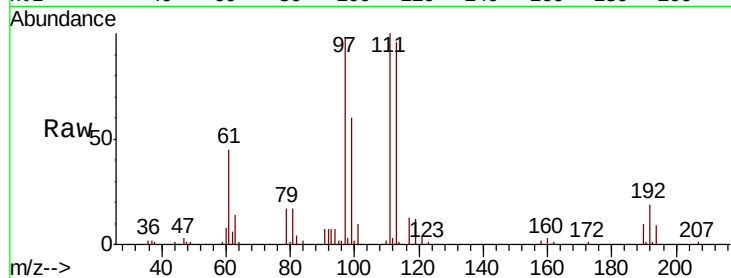
Tot Ion:113 Resp: 72964

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

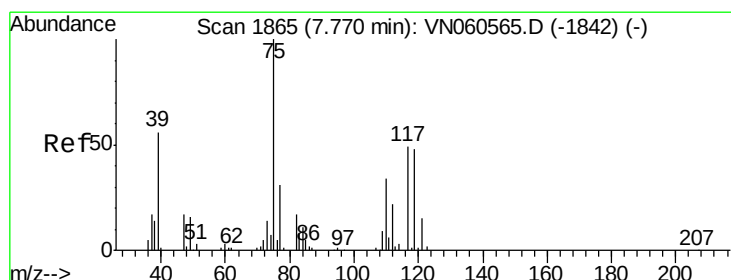
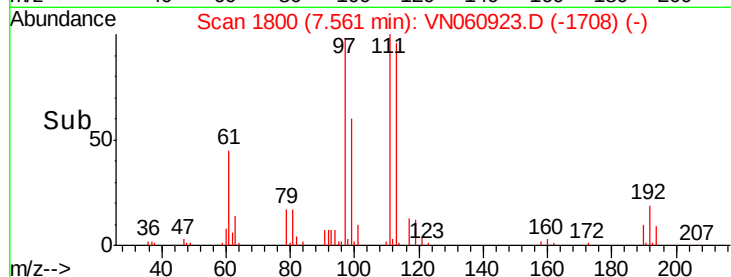
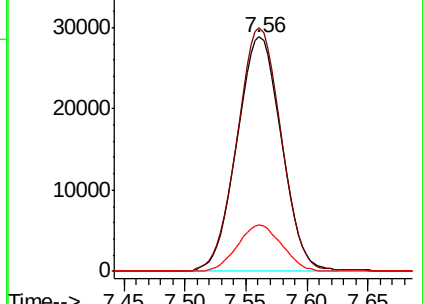
192 19.7 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.732 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

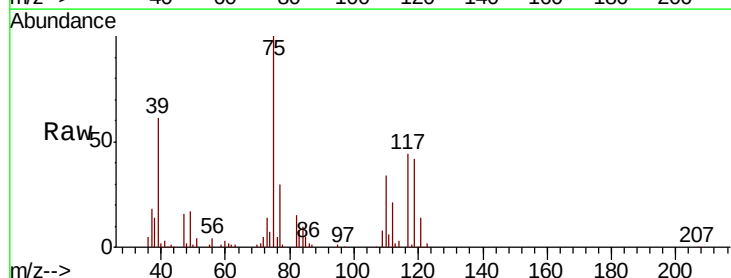
Tgt Ion: 75 Resp: 124303

Ion Ratio Lower Upper

75 100

110 33.5 16.9 50.6

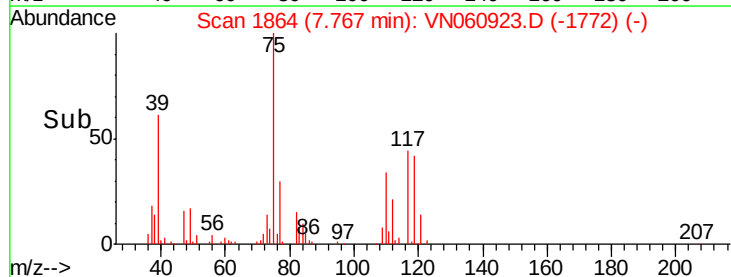
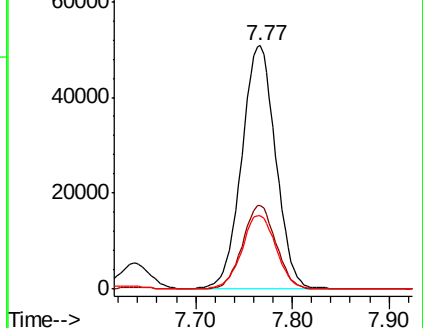
77 30.5 24.6 36.8

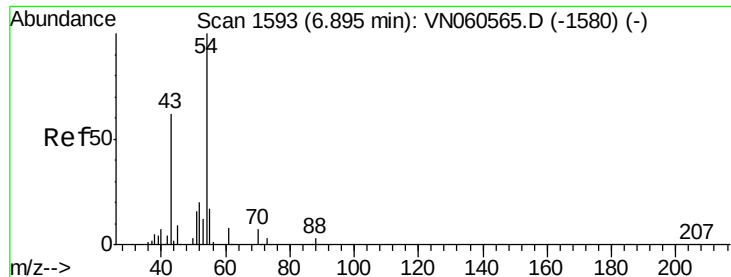


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

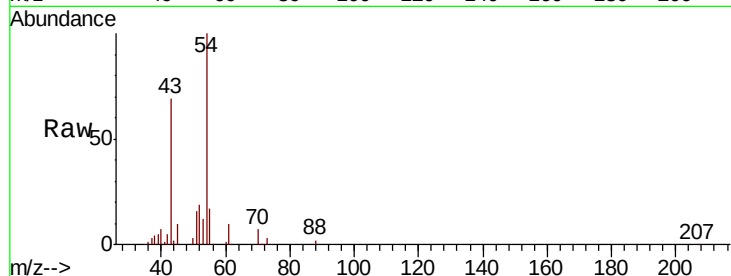




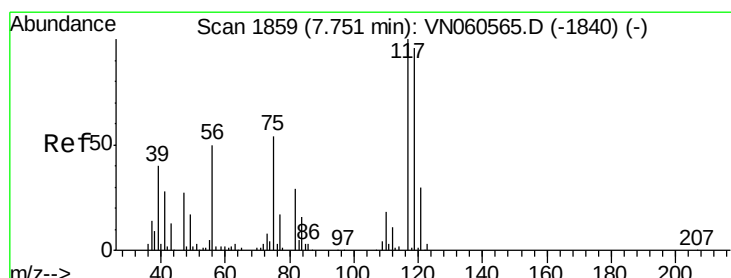
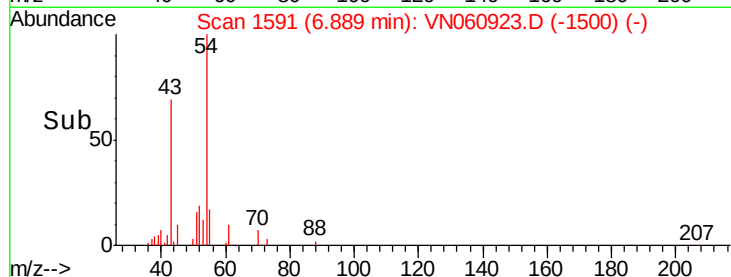
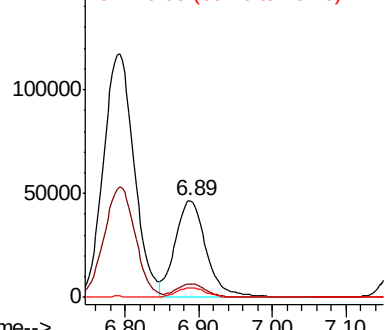
#37
Ethyl Acetate
Concen: 51.365 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 135988
Ion Ratio Lower Upper
43 100
61 13.4 10.6 15.8
70 9.6 7.9 11.9

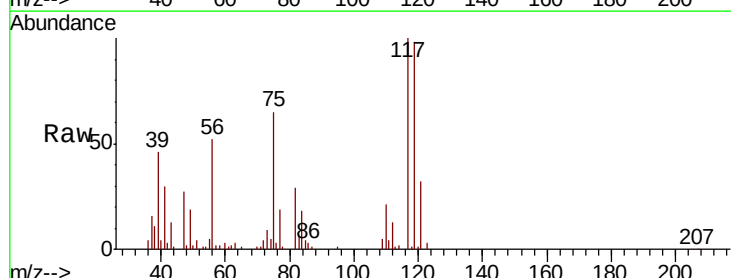


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

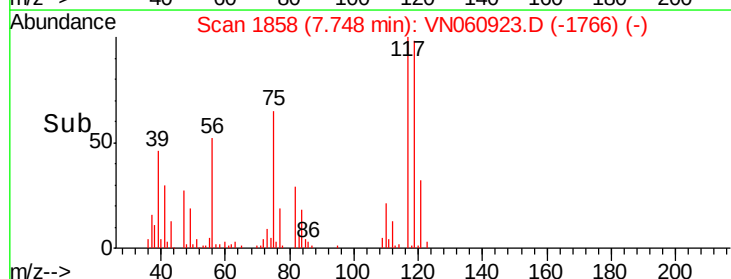
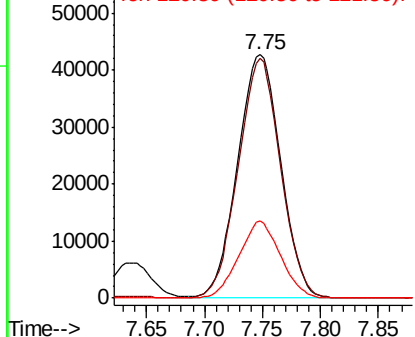


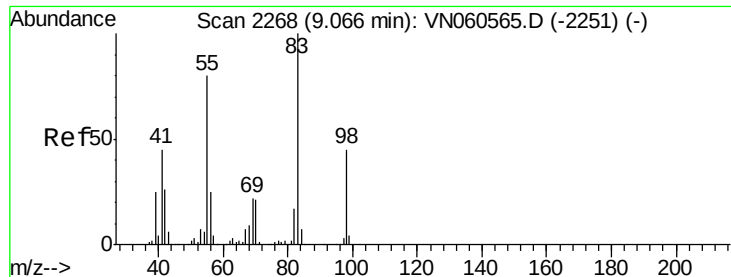
#38
Carbon Tetrachloride
Concen: 50.443 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 117 Resp: 110772
Ion Ratio Lower Upper
117 100
119 98.4 76.2 114.2
121 31.6 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

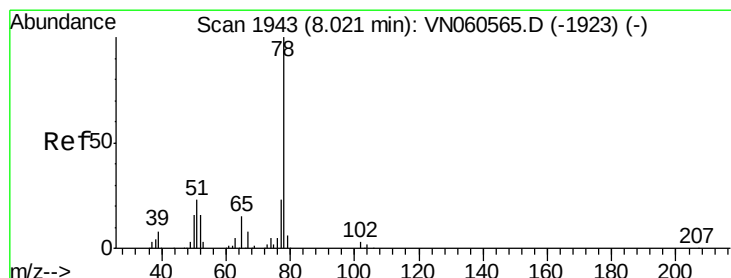
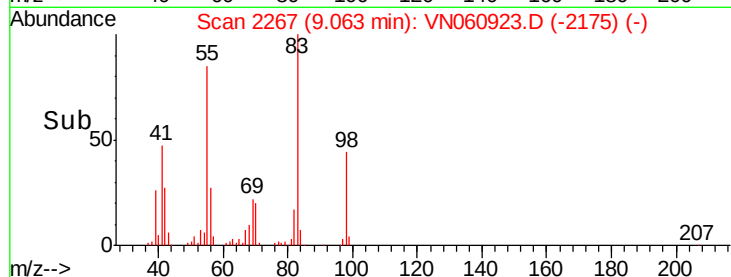
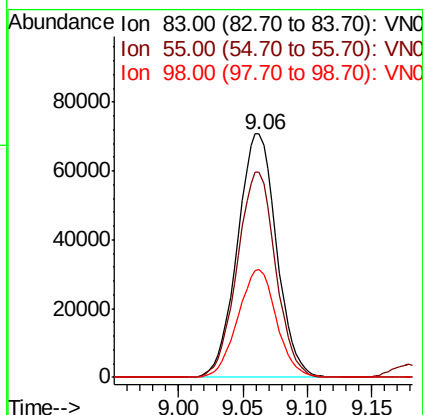
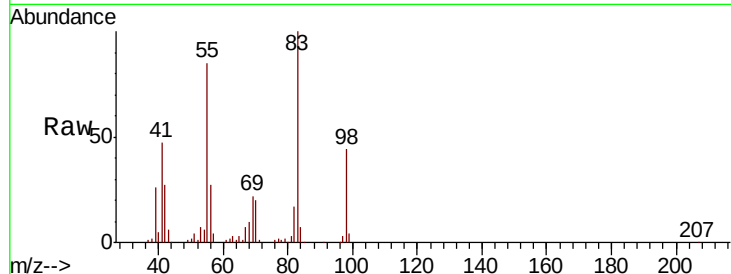




#39
Methylvlcyclohexane
Concen: 51.264 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

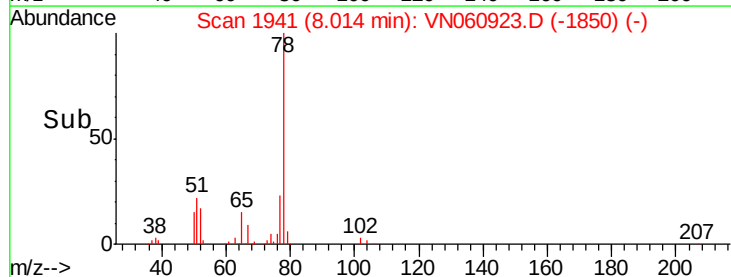
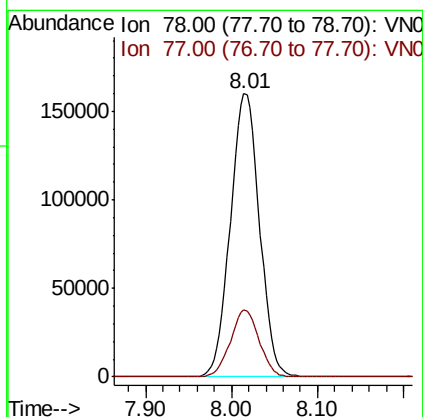
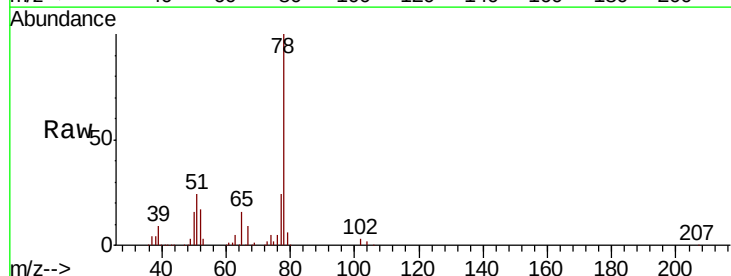
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

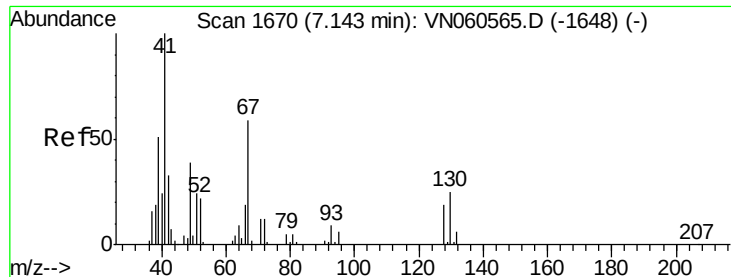
Tot Ion: 83 Resp: 149268
Ion Ratio Lower Upper
83 100
55 84.5 63.6 95.4
98 44.4 36.0 54.0



#40
Benzene
Concen: 50.865 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 78 Resp: 376222
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0

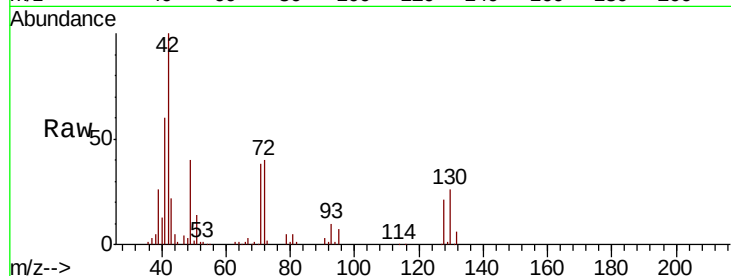




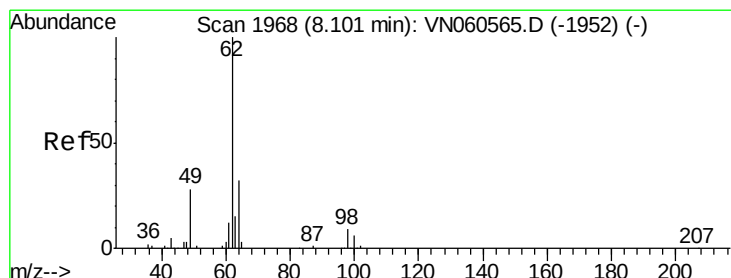
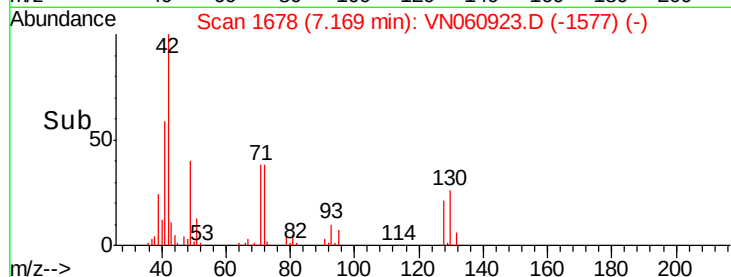
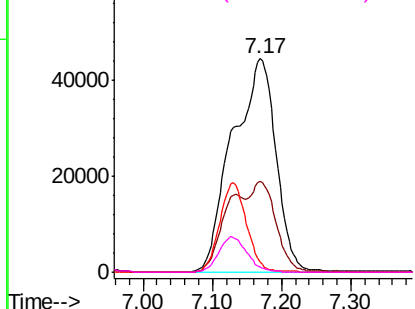
#41
Methacrylonitrile
Concen: 171.556 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.03 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	193836
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

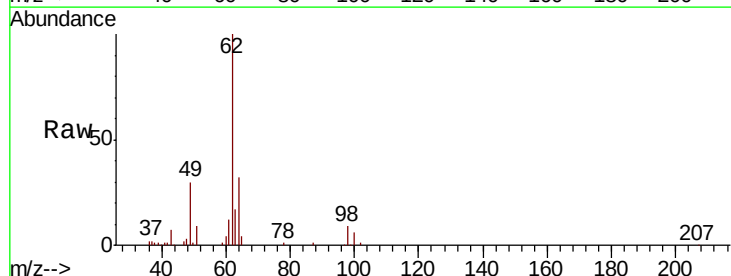


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

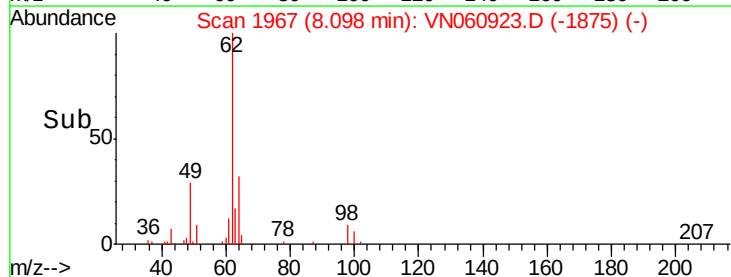
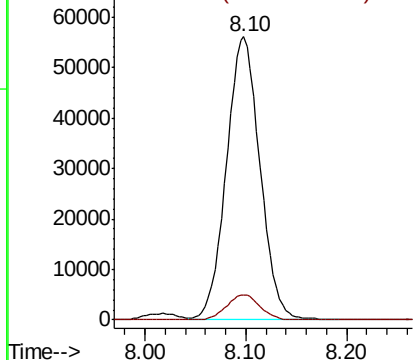


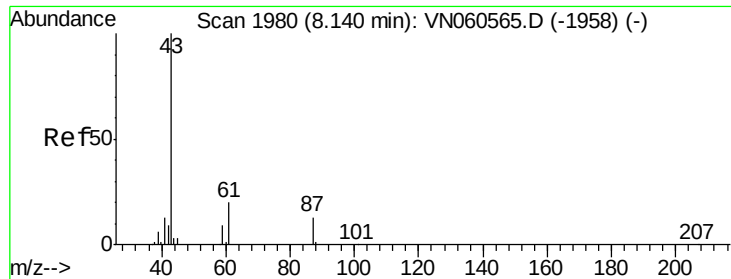
#42
1,2-Dichloroethane
Concen: 51.445 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion:	62	Resp:	130040
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 52.313 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

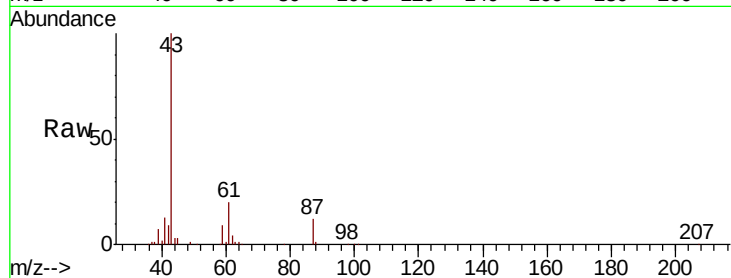
Tot Ion: 43 Resp: 228410

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

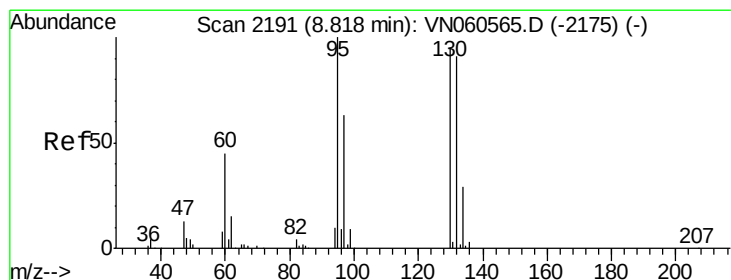
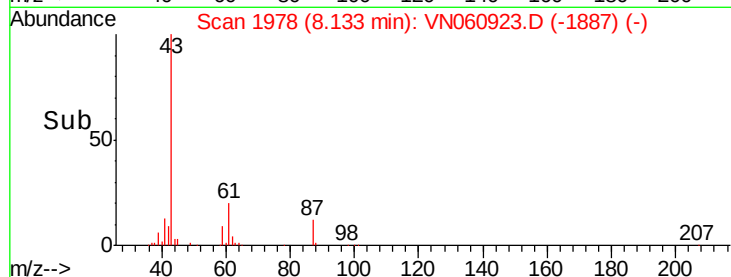
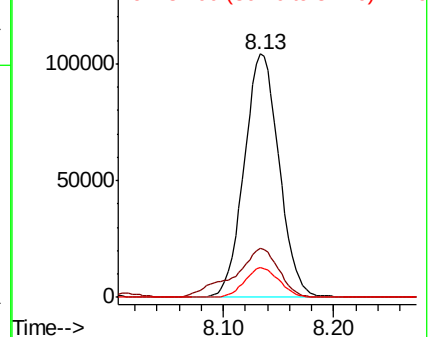
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 49.604 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060923.D

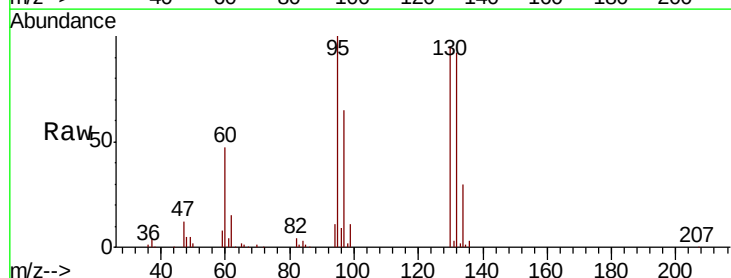
Acq: 14 Apr 2020 10:12

Tgt Ion:130 Resp: 92491

Ion Ratio Lower Upper

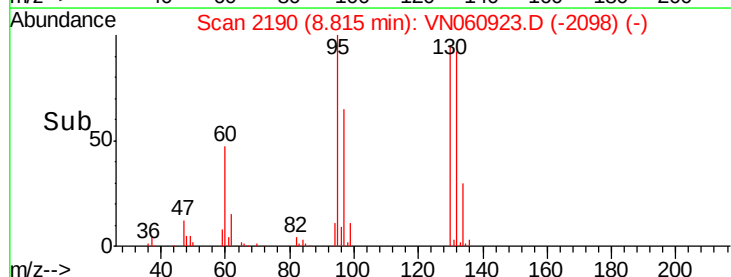
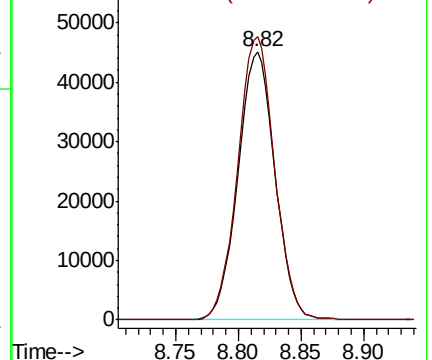
130 100

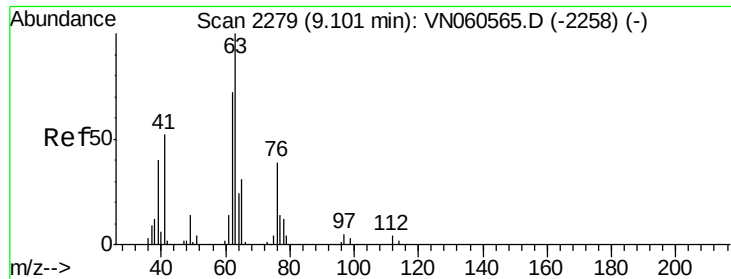
95 105.5 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)

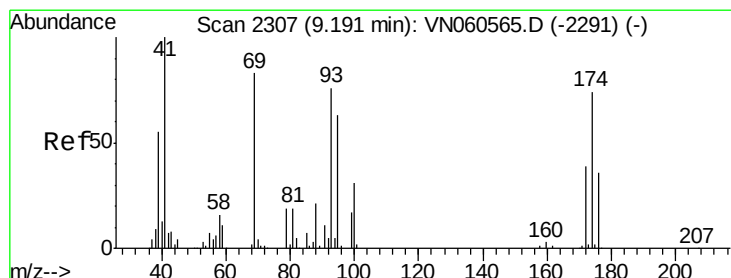
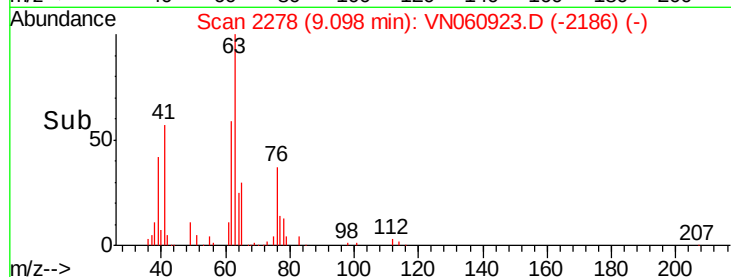
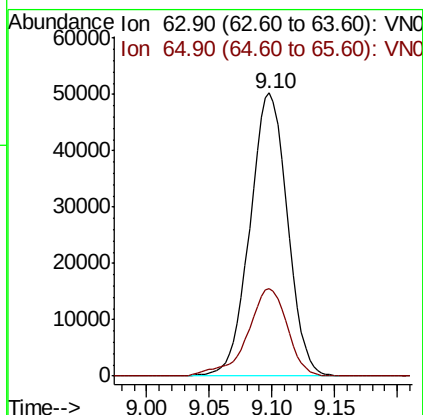
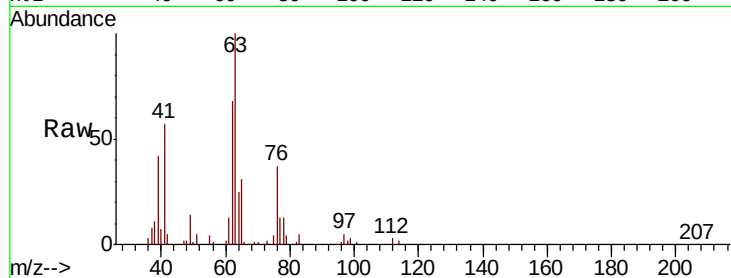




#45
 1,2-Dichloropropane
 Concen: 53.676 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

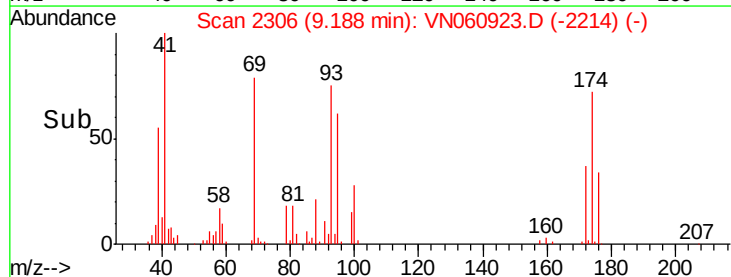
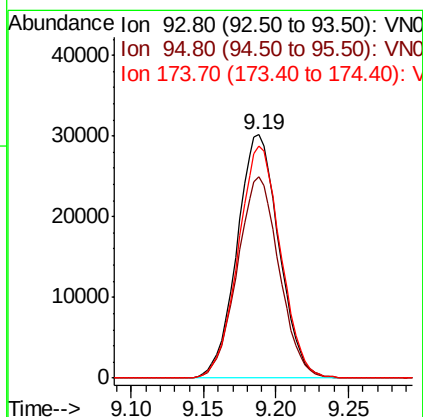
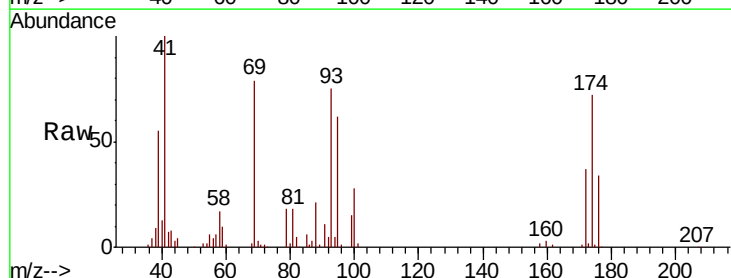
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

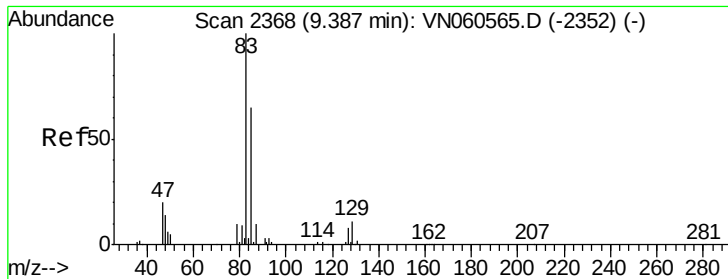
Tot Ion: 63 Resp: 104760
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0



#46
 Dibromomethane
 Concen: 51.561 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 93 Resp: 60838
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.2 99.4
 174 95.9 77.9 116.9





#47

Bromodichloromethane

Concen: 53.293 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

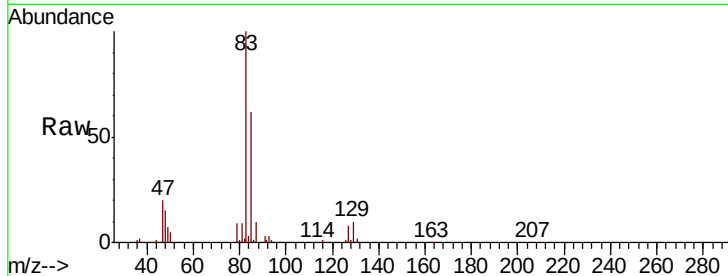
Tot Ion: 83 Resp: 130667

Ion Ratio Lower Upper

83 100

85 62.4 51.8 77.6

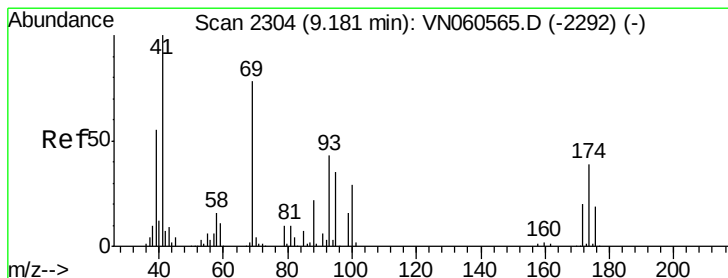
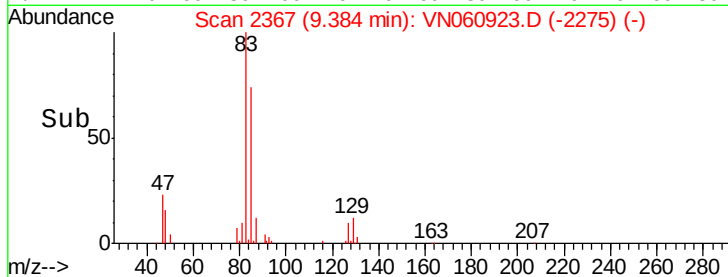
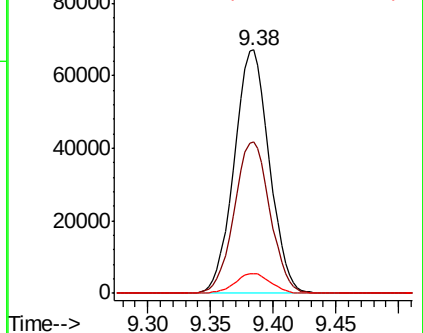
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 53.295 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

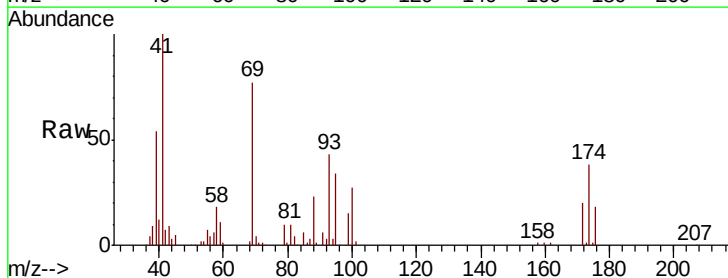
Tgt Ion: 41 Resp: 103604

Ion Ratio Lower Upper

41 100

69 79.4 65.4 98.0

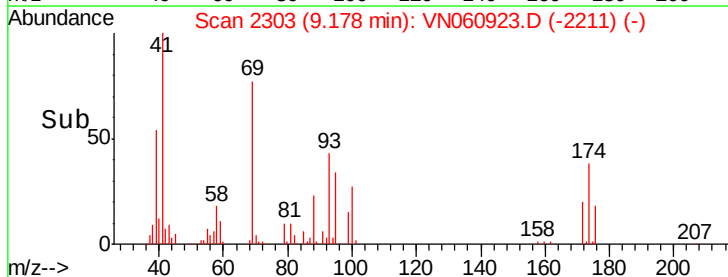
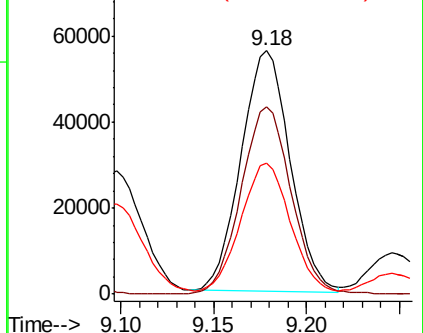
39 55.9 44.0 66.0

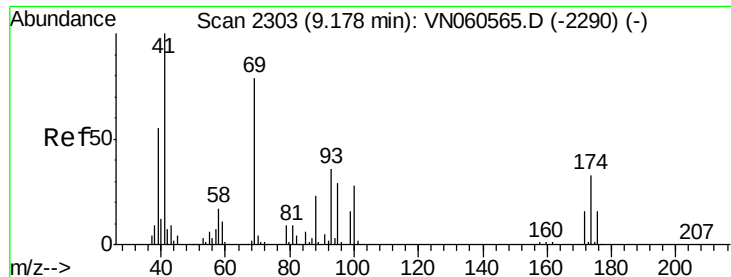


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

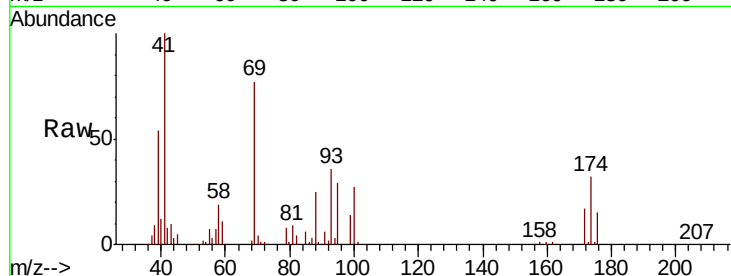




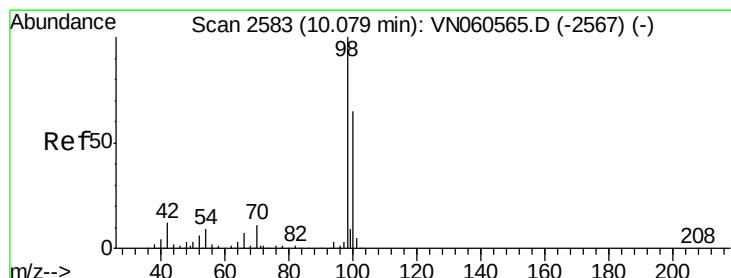
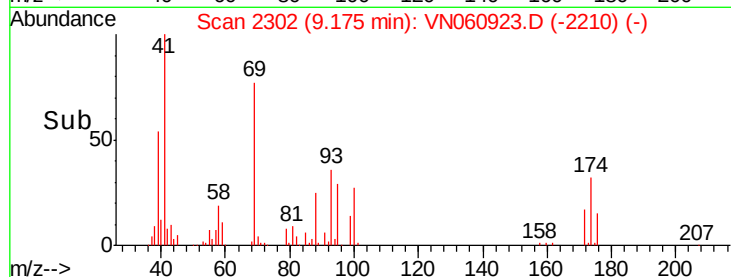
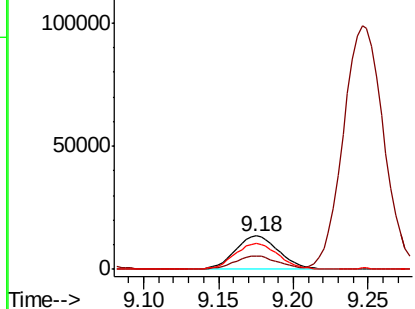
#49
1,4-Dioxane
Concen: 1186.089 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 27406
Ion Ratio Lower Upper
88 100
43 39.5 30.8 46.2
58 77.6 59.8 89.8

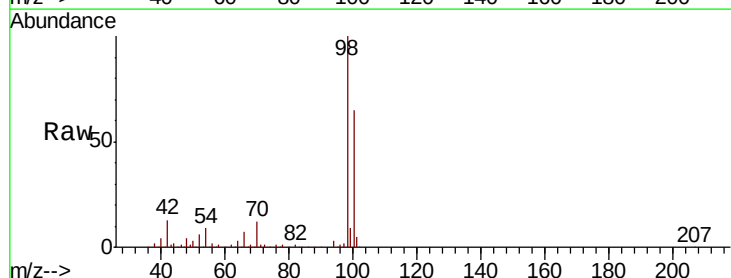


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

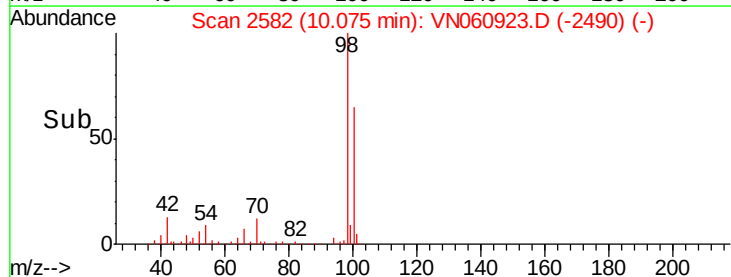
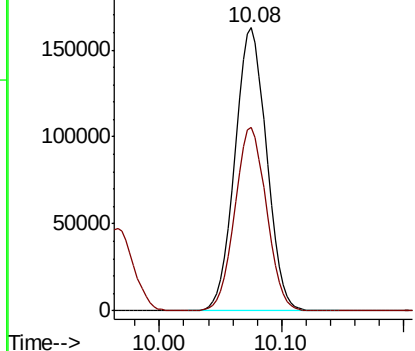


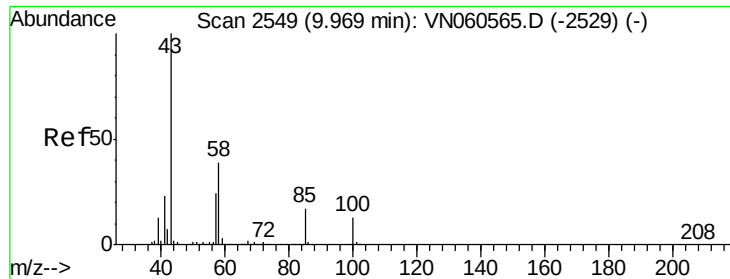
#50
Toluene-d8
Concen: 46.703 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 98 Resp: 291876
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

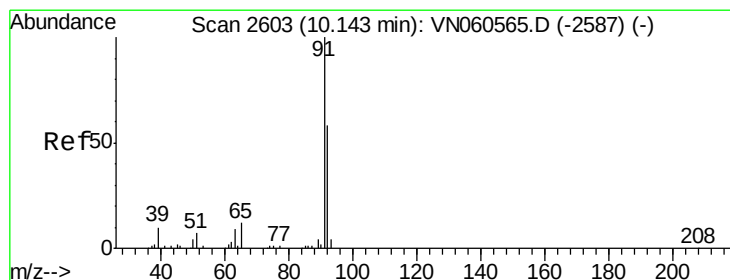
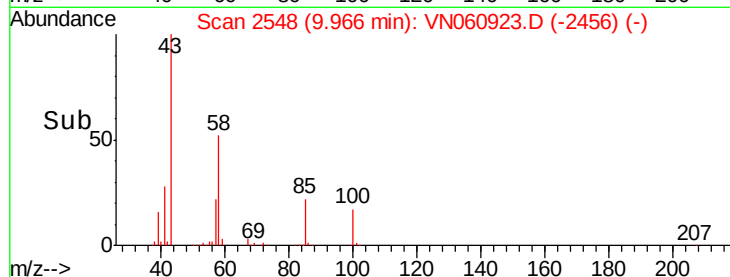
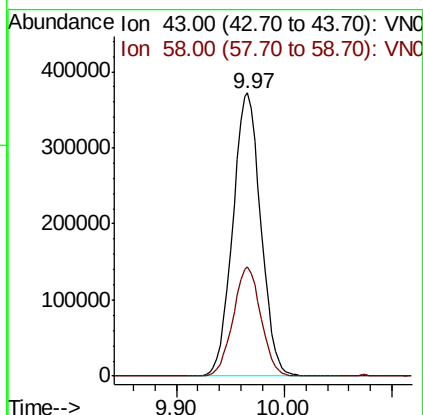
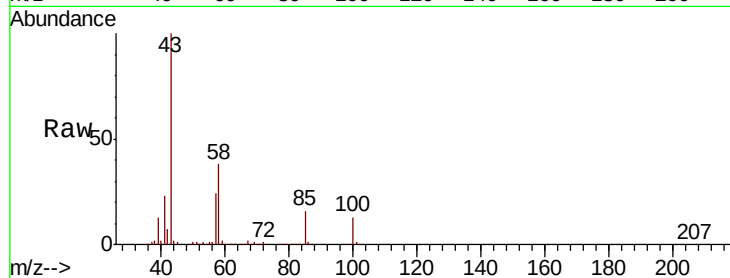




#51
 4-Methyl-2-Pentanone
 Concen: 271.092 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

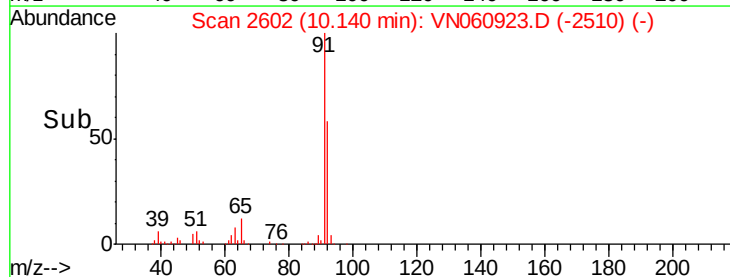
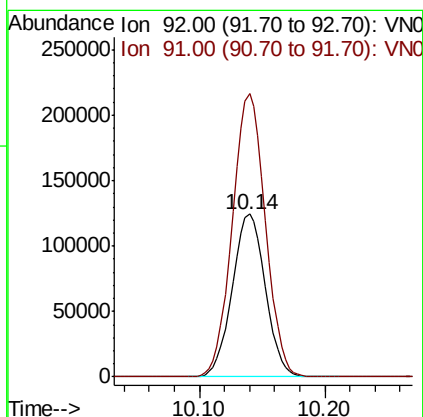
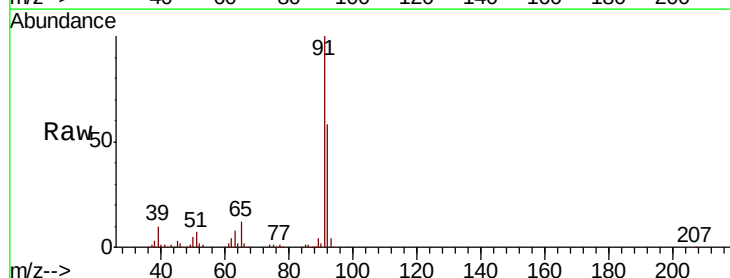
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

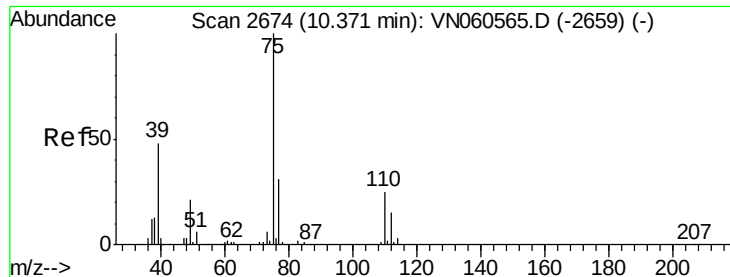
Tot Ion: 43 Resp: 673544
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2



#52
 Toluene
 Concen: 50.960 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 92 Resp: 227638
 Ion Ratio Lower Upper
 92 100
 91 173.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 54.181 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

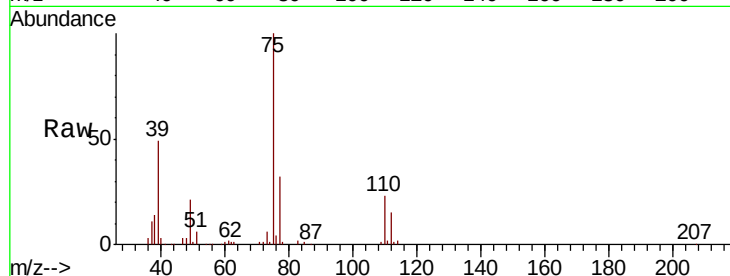
VSTDCCC050

Tot Ion: 75 Resp: 152597

Ion Ratio Lower Upper

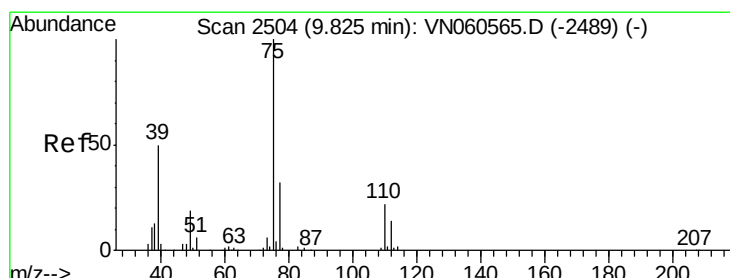
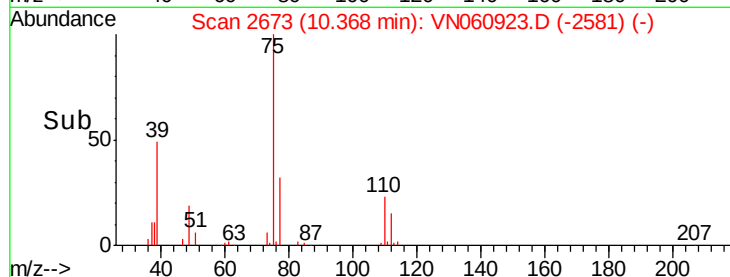
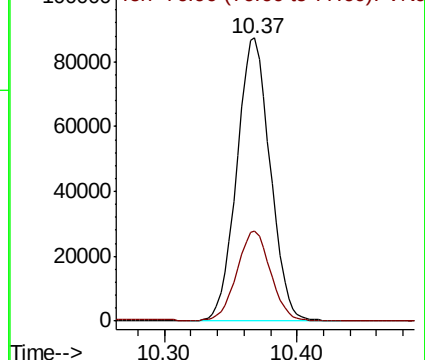
75 100

77 31.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.028 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

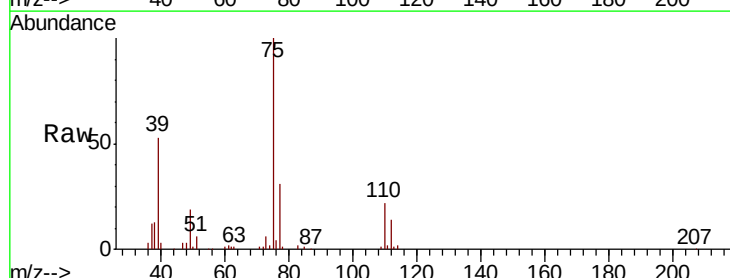
Tgt Ion: 75 Resp: 163844

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

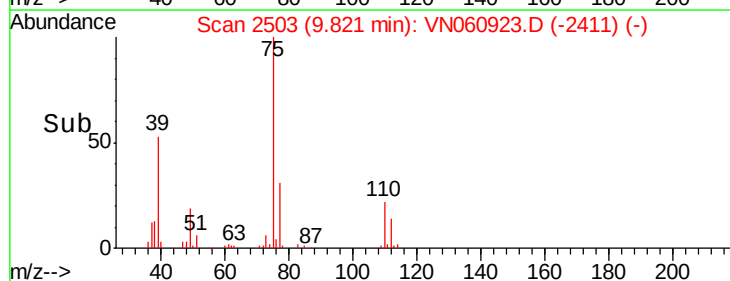
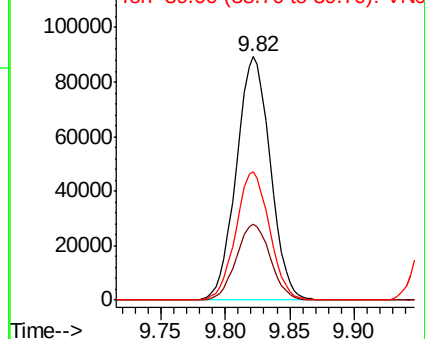
39 52.7 40.2 60.4

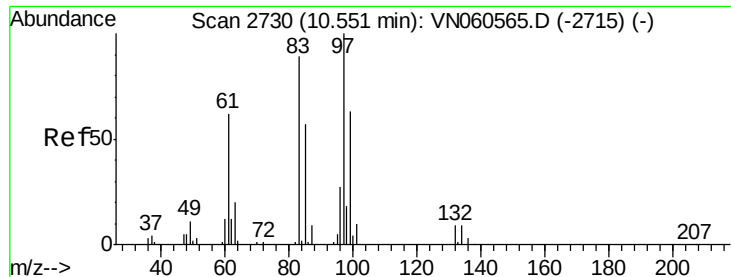


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.560 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 90325

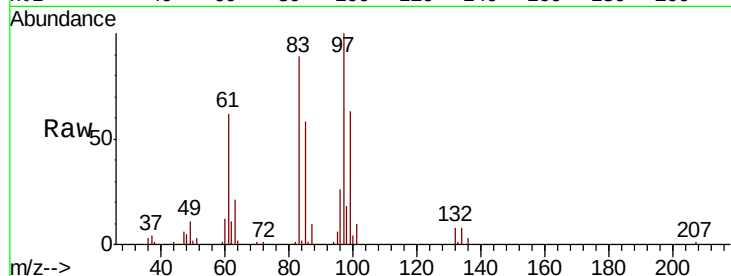
Ion Ratio Lower Upper

97 100

83 88.9 71.3 106.9

85 57.8 45.2 67.8

99 62.7 50.1 75.1



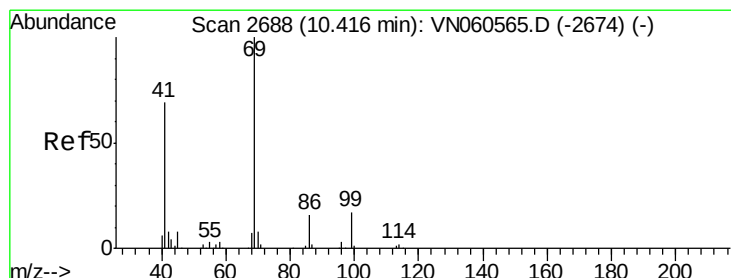
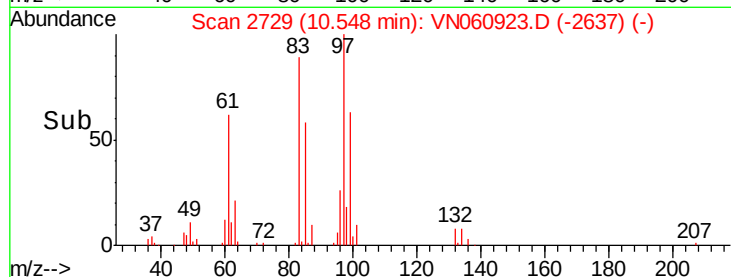
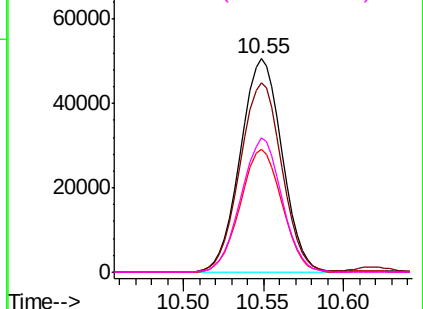
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 53.591 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

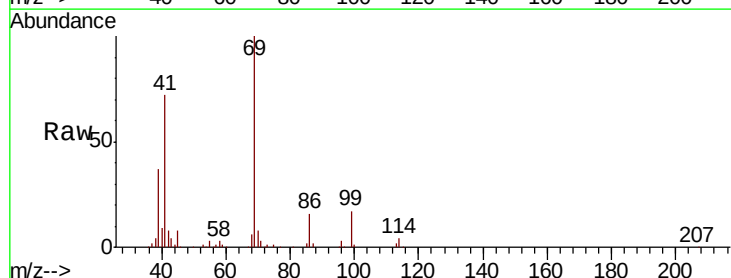
Tgt Ion: 69 Resp: 143599

Ion Ratio Lower Upper

69 100

41 72.0 55.4 83.2

39 37.0 29.4 44.0

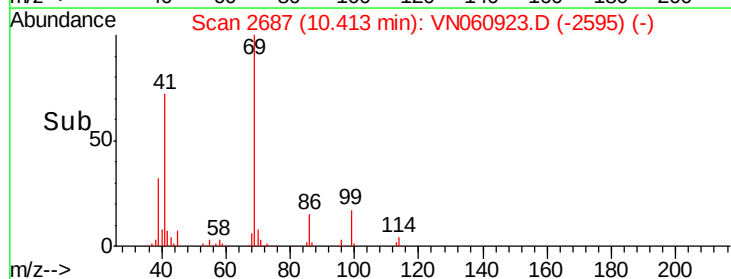
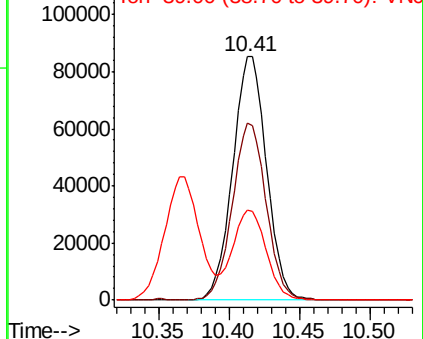


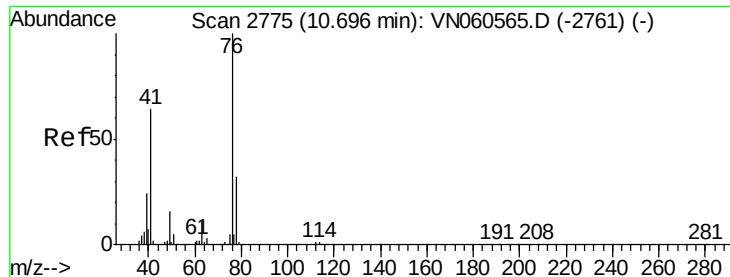
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 52.765 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

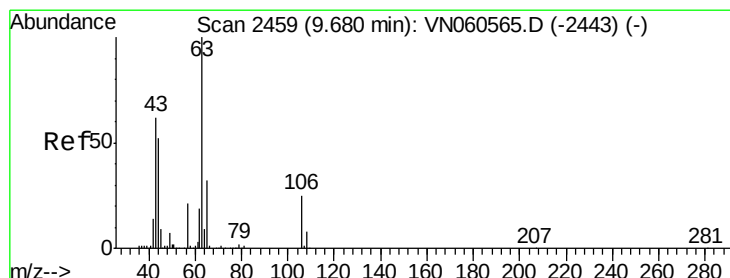
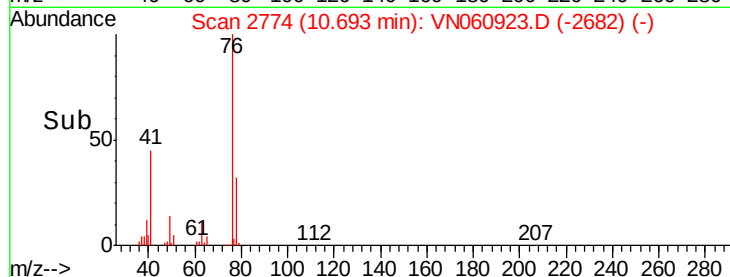
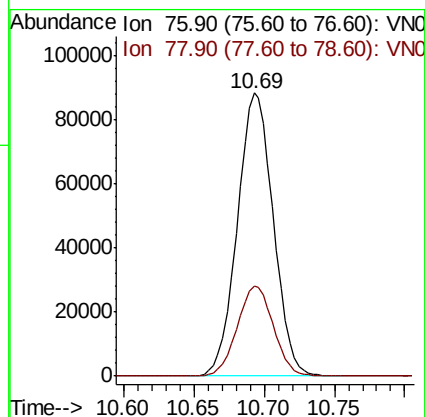
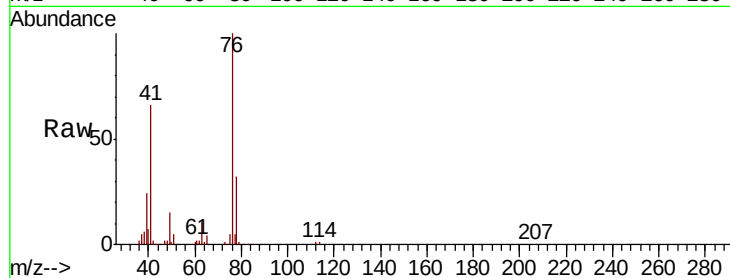
VSTDCCC050

Tot Ion: 76 Resp: 157354

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 219.456 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060923.D

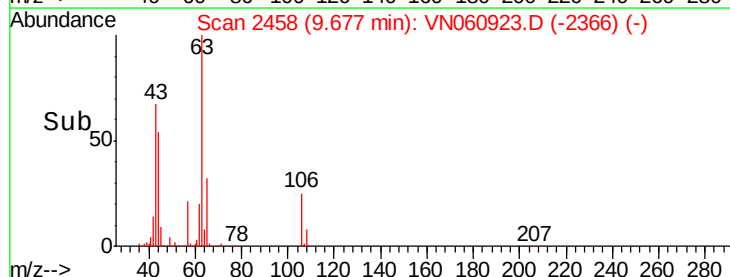
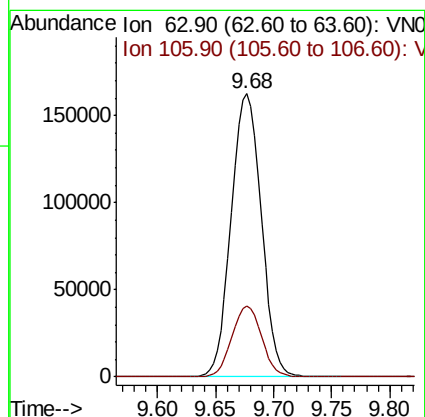
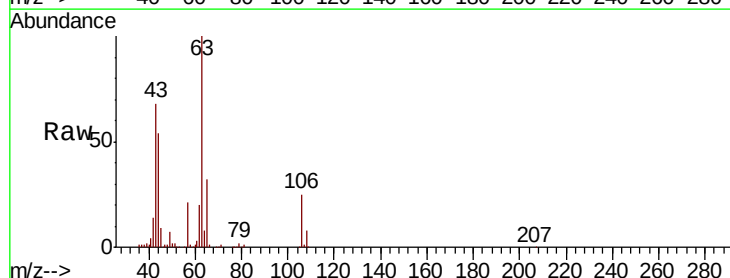
Acq: 14 Apr 2020 10:12

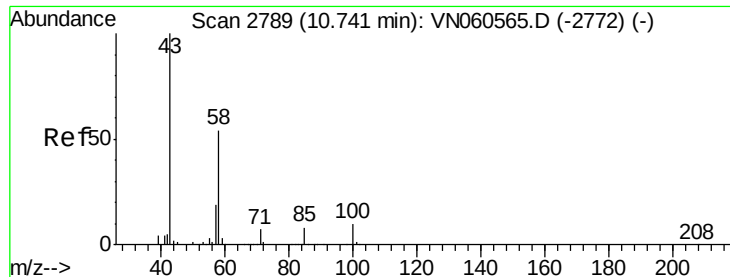
Tgt Ion: 63 Resp: 292265

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0

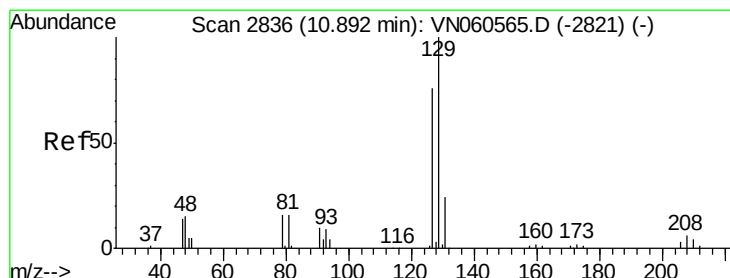
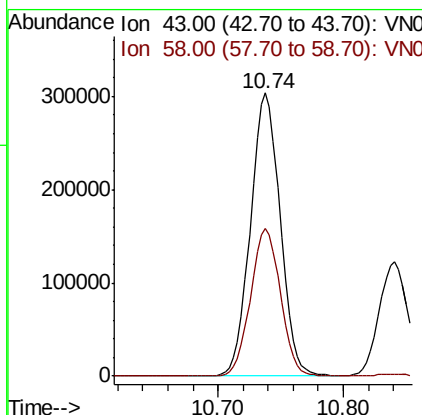
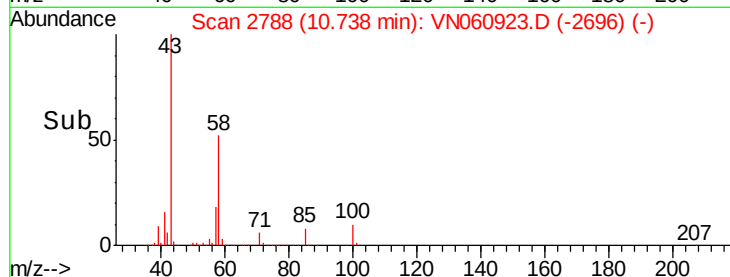
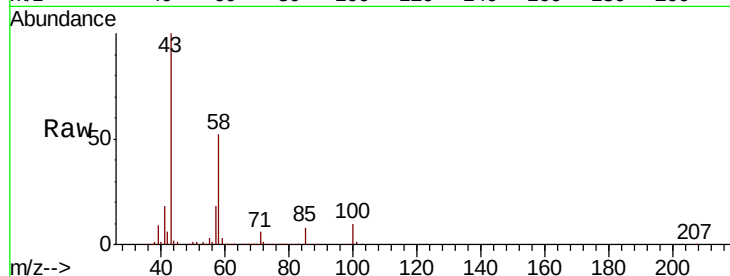




#59
2-Hexanone
Concen: 280.365 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

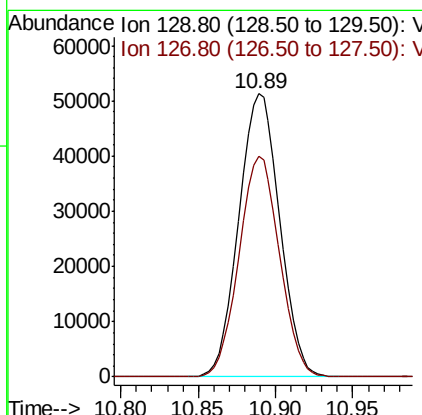
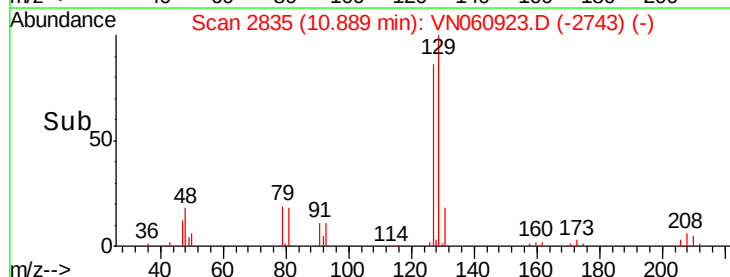
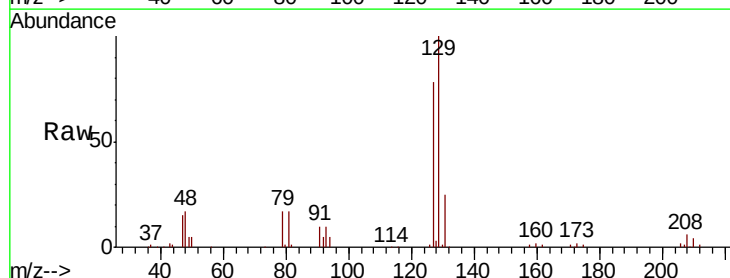
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

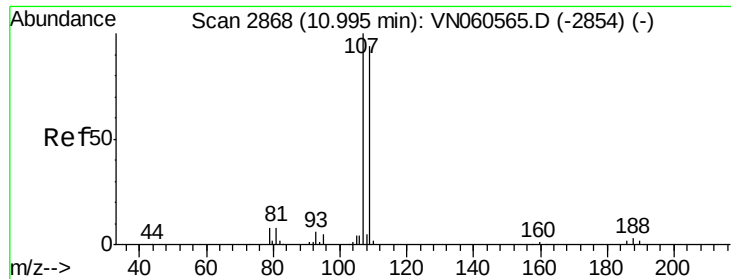
Tot Ion: 43 Resp: 501785
Ion Ratio Lower Upper
43 100
58 52.4 26.7 80.1



#60
Dibromochloromethane
Concen: 53.143 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 129 Resp: 94337
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

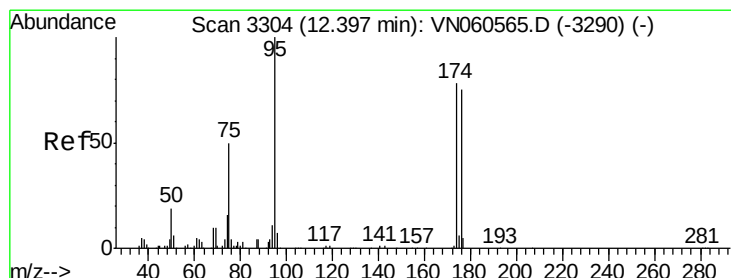
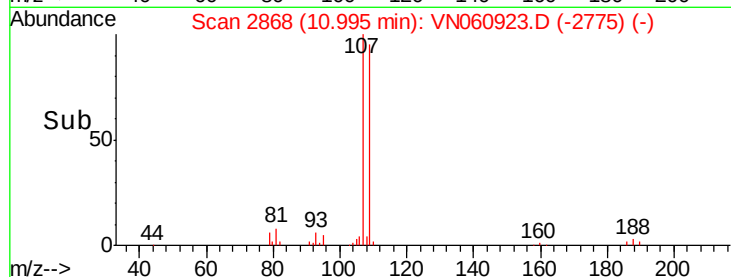
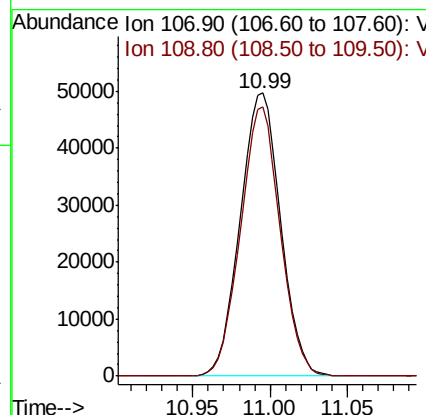
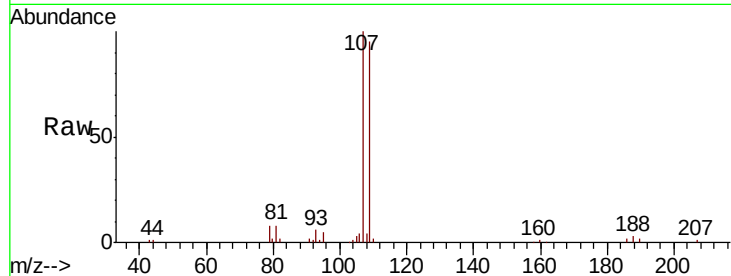




#61
 1,2-Dibromoethane
 Concen: 52.249 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

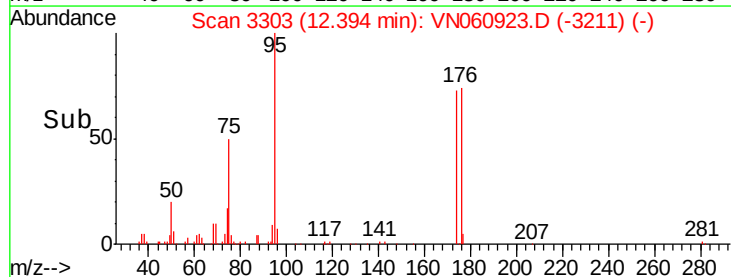
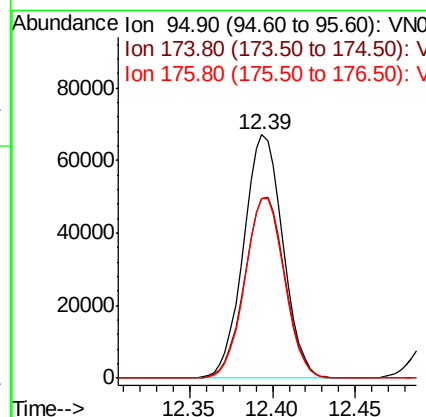
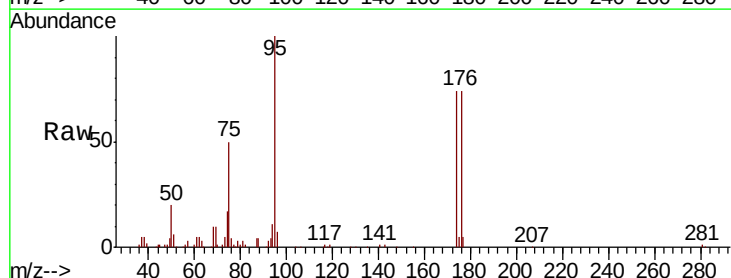
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

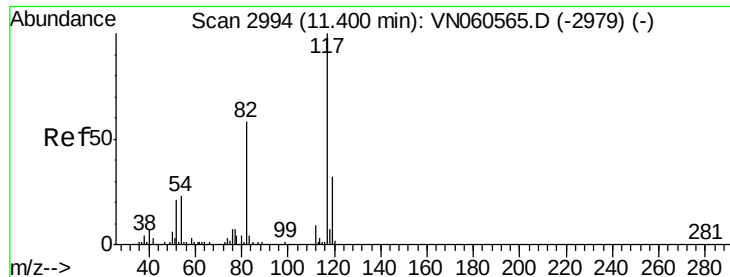
Tot Ion:107 Resp: 90289
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.404 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 95 Resp: 110863
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 157.6
 176 74.2 0.0 150.6

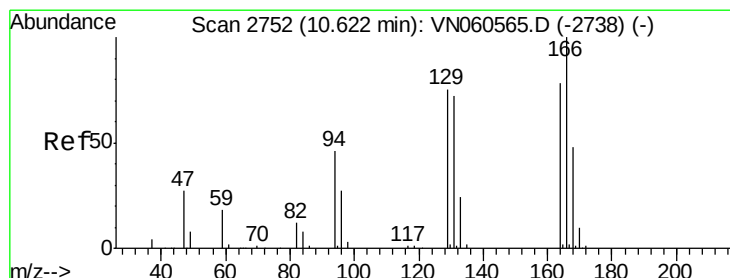
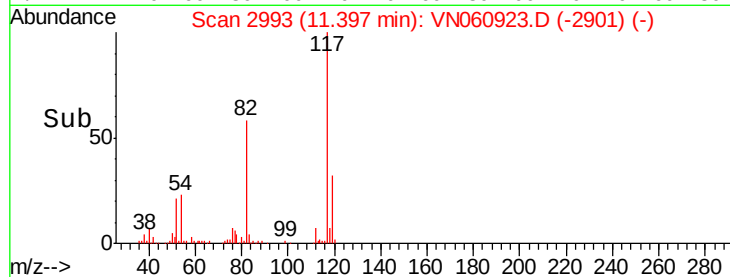
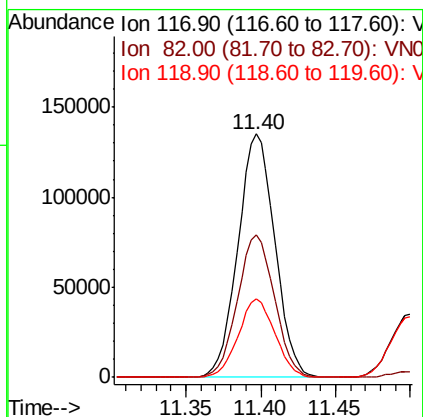
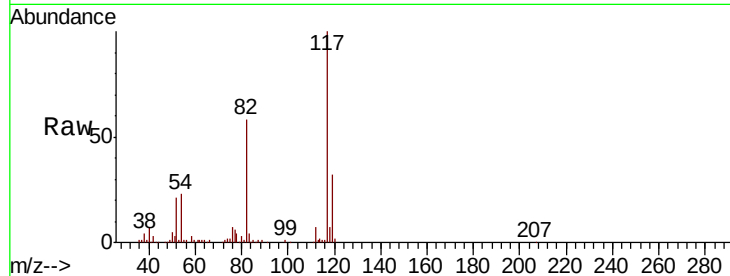




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

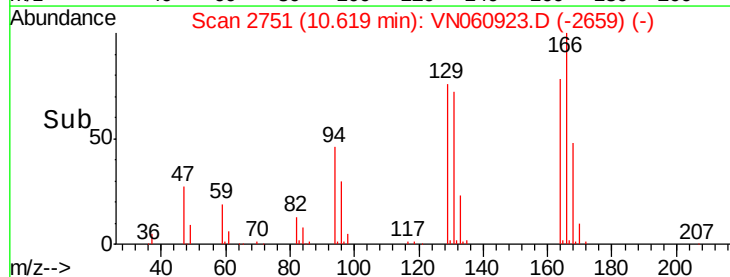
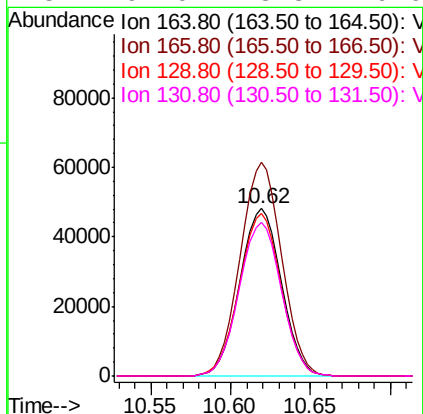
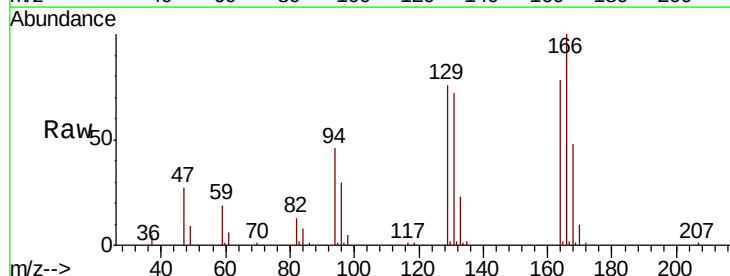
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

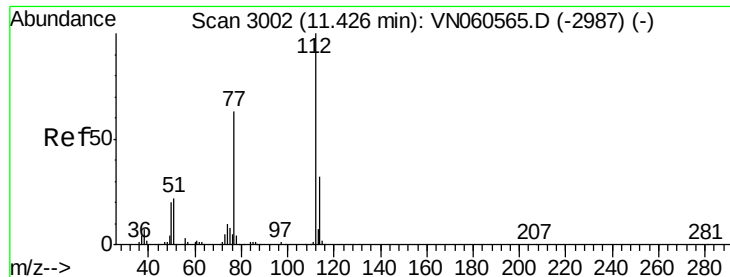
Tot Ion:117 Resp: 231960
Ion Ratio Lower Upper
117 100
82 58.3 46.7 70.1
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 46.823 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion:164 Resp: 85467
Ion Ratio Lower Upper
164 100
166 127.8 102.7 154.1
129 97.4 77.2 115.8
131 92.0 73.8 110.6





#65

Chlorobenzene

Concen: 51.219 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

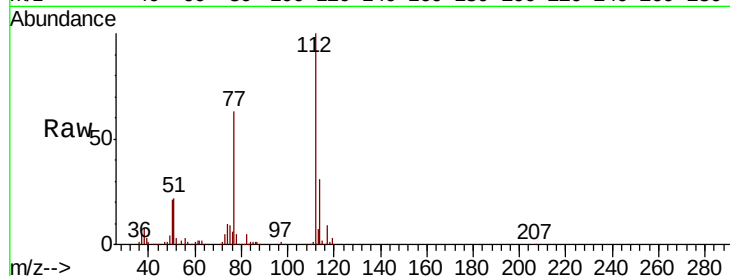
VSTDCCC050

Tot Ion:112 Resp: 235524

Ion Ratio Lower Upper

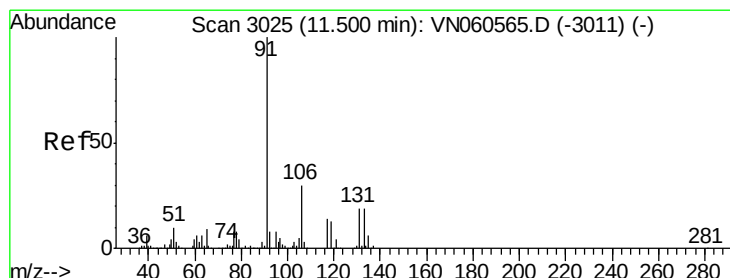
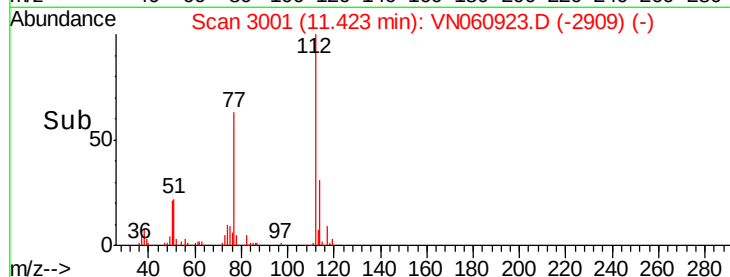
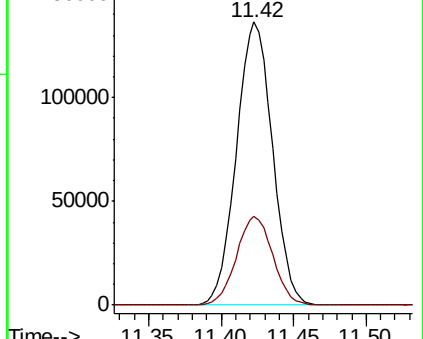
112 100

114 31.3 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.649 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

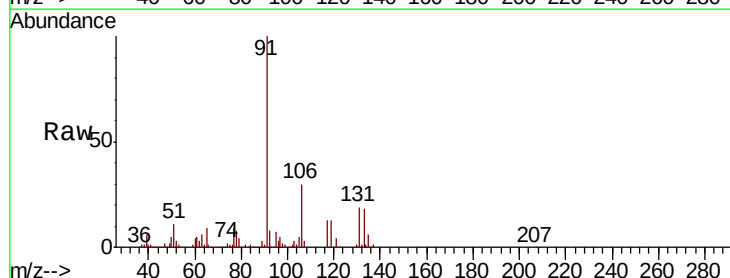
Tgt Ion:131 Resp: 87656

Ion Ratio Lower Upper

131 100

133 95.8 48.9 146.8

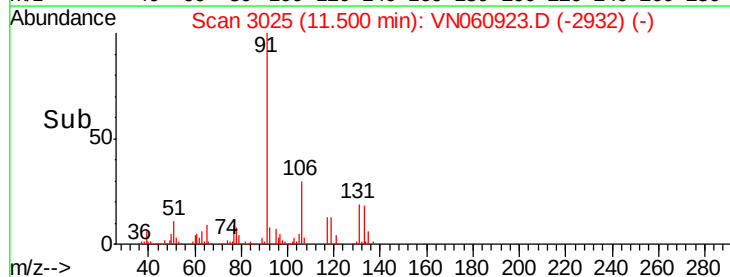
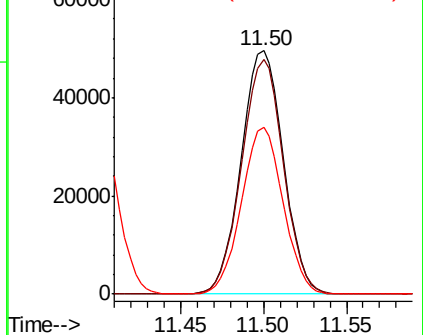
119 67.4 33.9 101.7

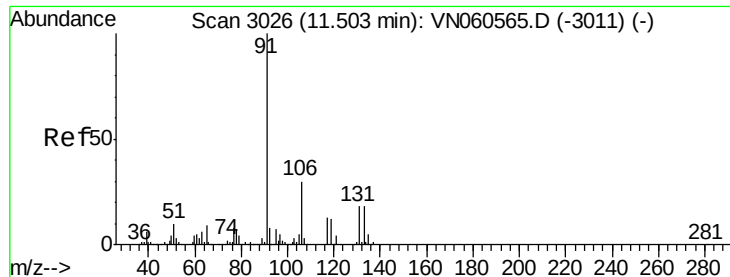


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

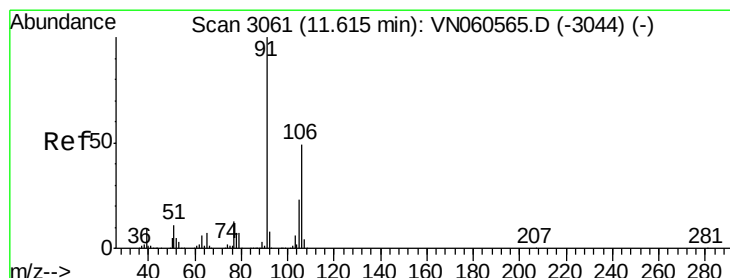
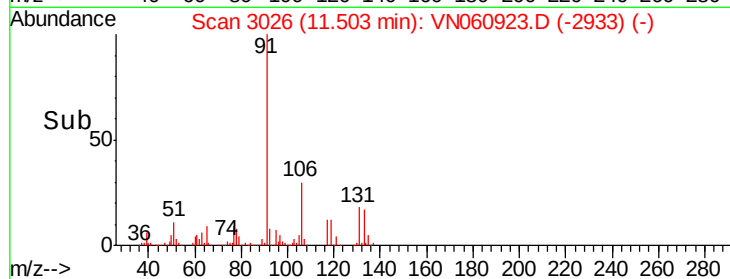
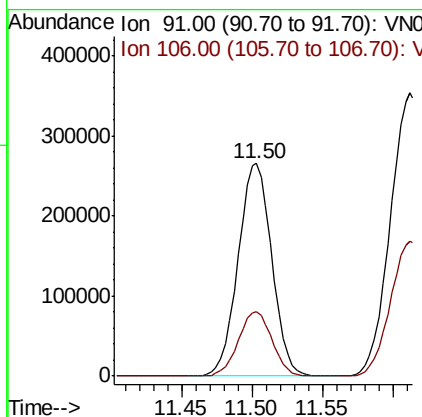
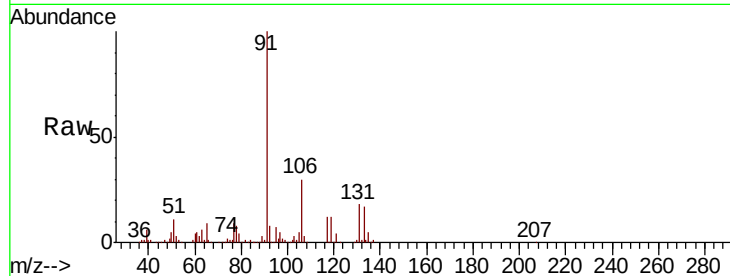




#67
Ethyl Benzene
Concen: 51.936 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

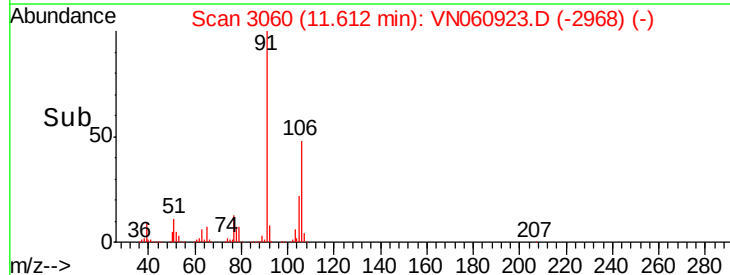
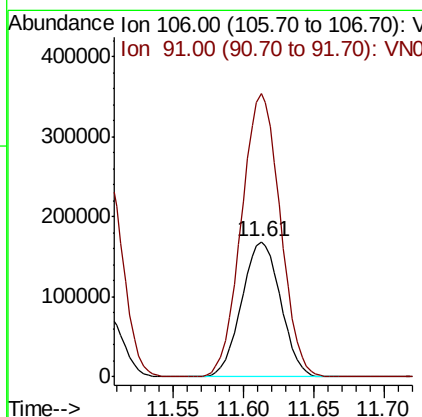
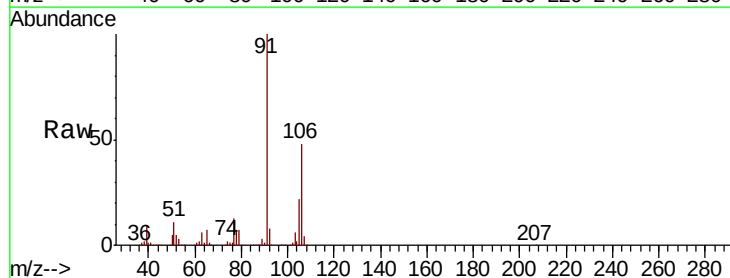
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

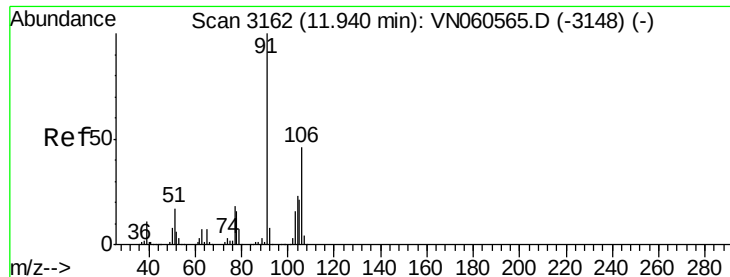
Tot Ion: 91 Resp: 444122
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2



#68
m/p-Xylenes
Concen: 102.833 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 106 Resp: 326778
Ion Ratio Lower Upper
106 100
91 208.6 165.0 247.4

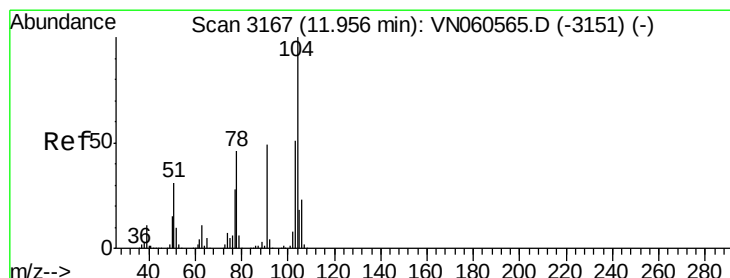
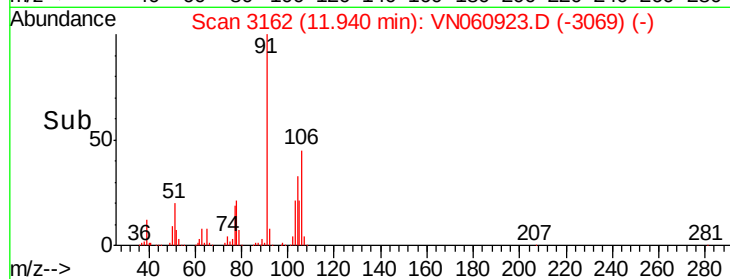
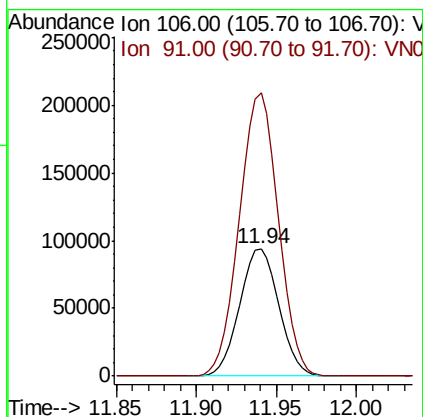
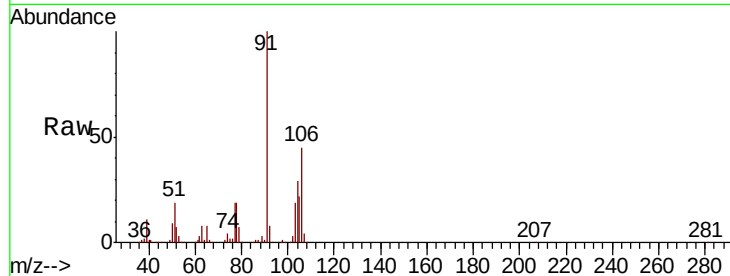




#69
o-Xylene
Concen: 51.694 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

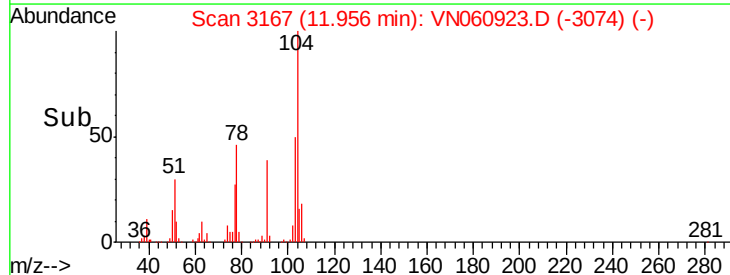
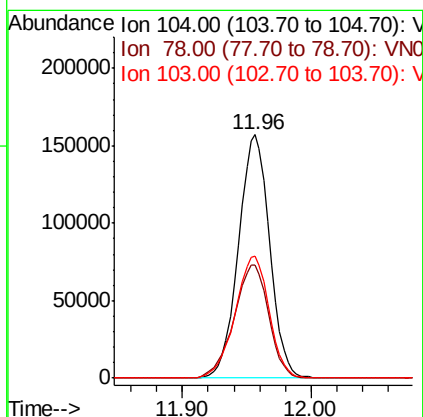
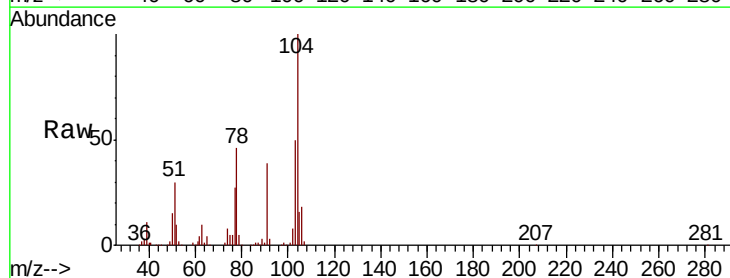
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

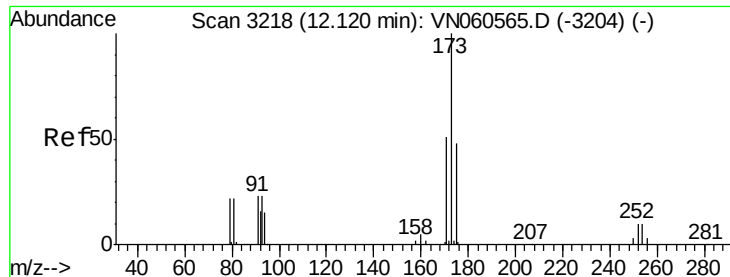
Tot Ion:106 Resp: 156815
Ion Ratio Lower Upper
106 100
91 221.2 109.5 328.4



#70
Styrene
Concen: 53.260 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion:104 Resp: 264242
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 54.5 44.0 66.0

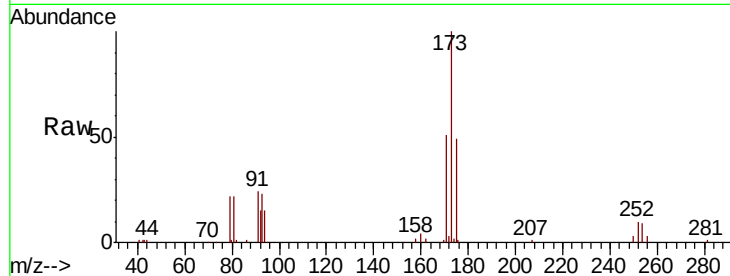




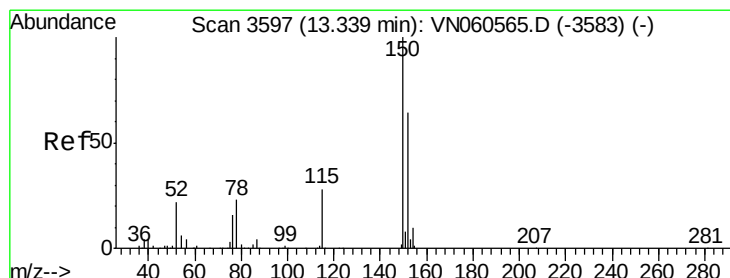
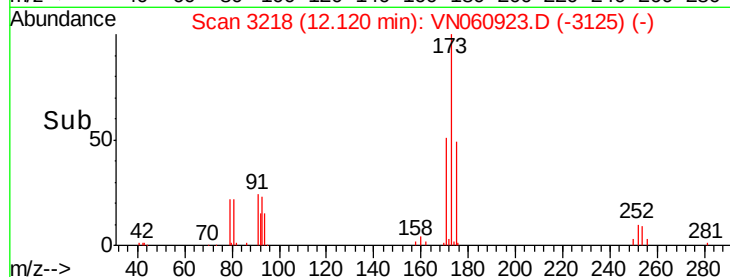
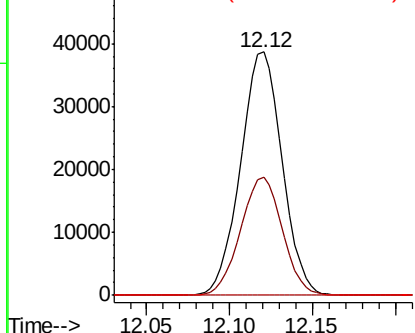
#71
Bromoform
Concen: 48.823 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:173 Resp: 67503
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.4
254 0.0 0.0 0.0

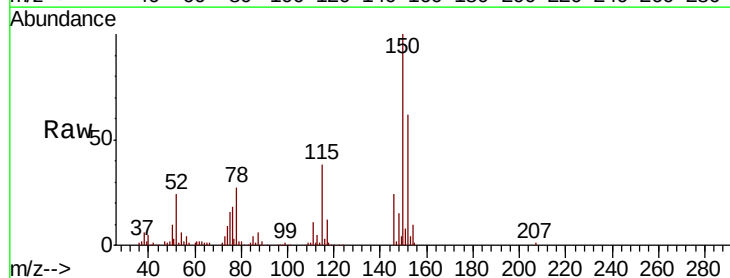


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

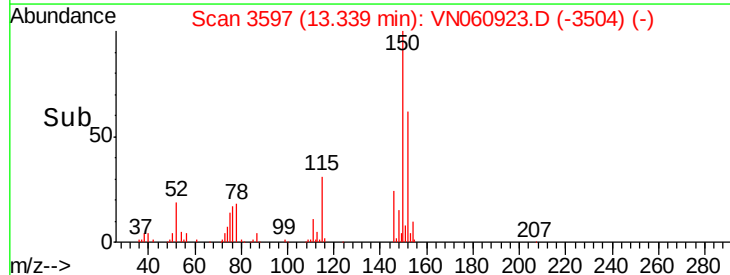
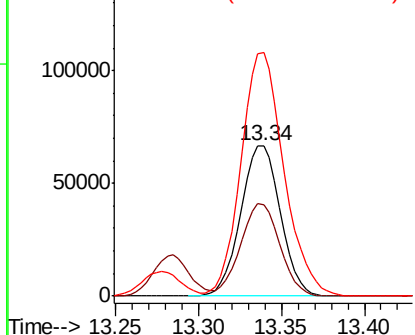


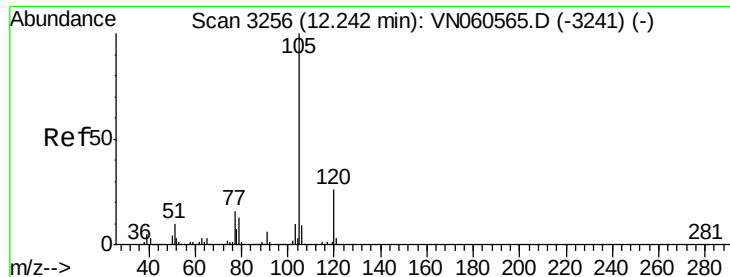
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion:152 Resp: 111450
Ion Ratio Lower Upper
152 100
115 60.9 30.2 90.6
150 174.4 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.227 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

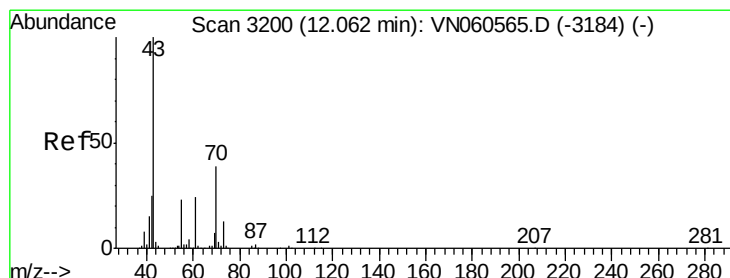
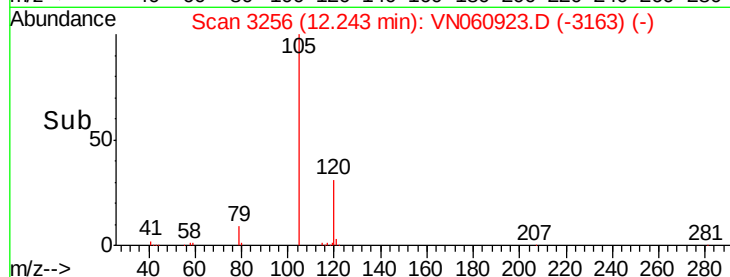
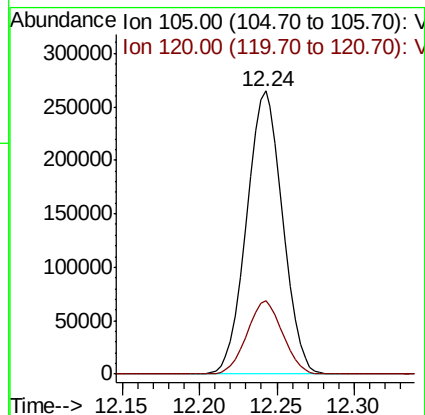
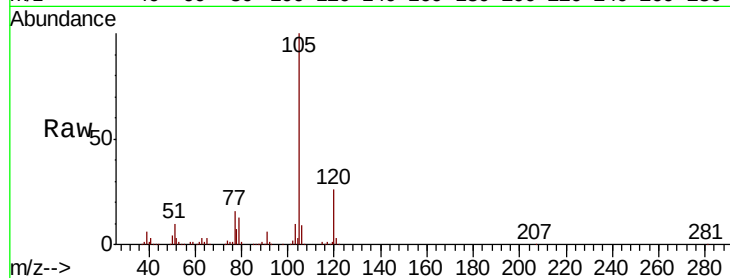
VSTDCCC050

Tot Ion:105 Resp: 428452

Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1



#74

N-ethyl acetate

Concen: 51.618 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion: 43 Resp: 199497

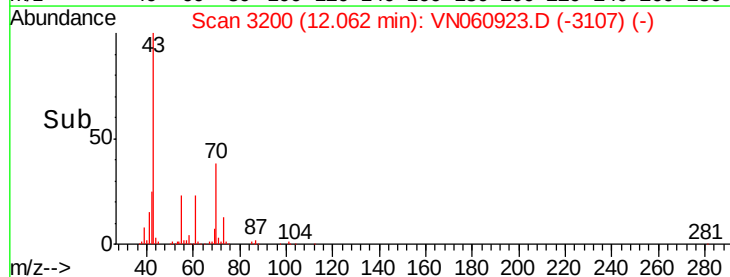
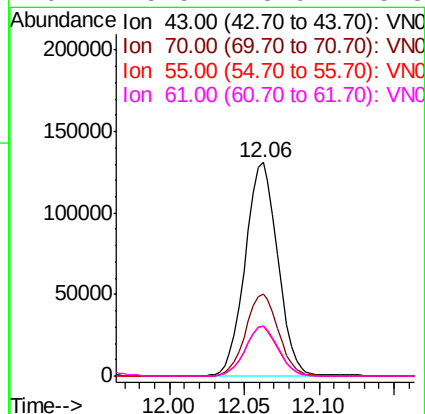
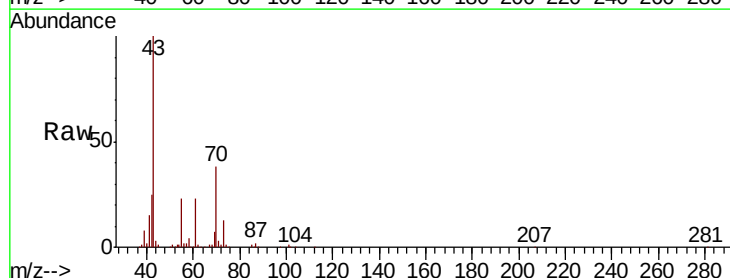
Ion Ratio Lower Upper

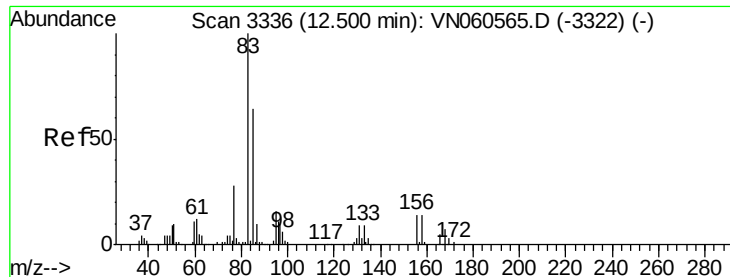
43 100

70 38.6 31.1 46.7

55 23.2 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.875 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

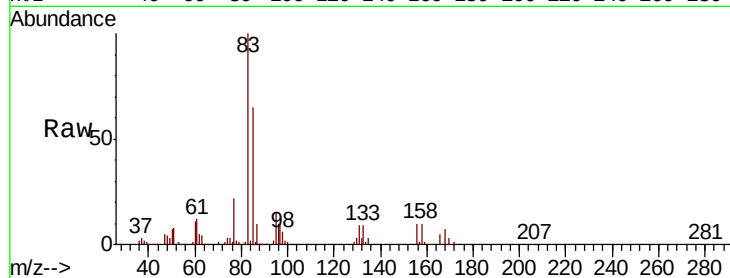
Tot Ion: 83 Resp: 131207

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

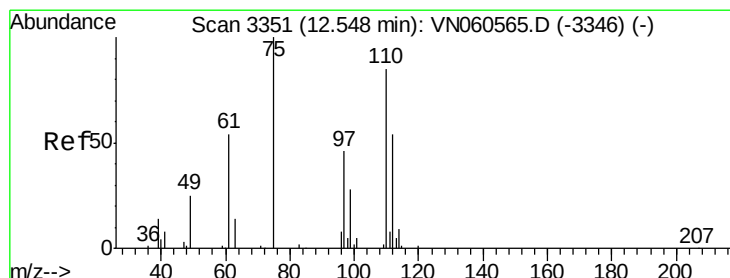
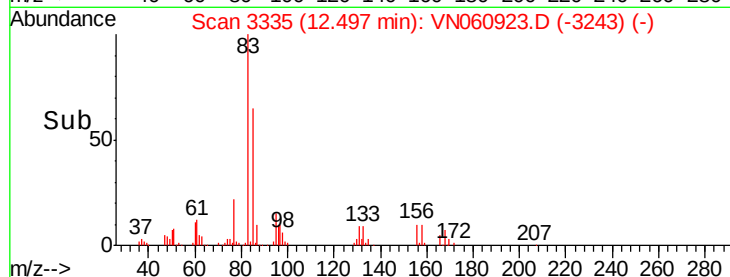
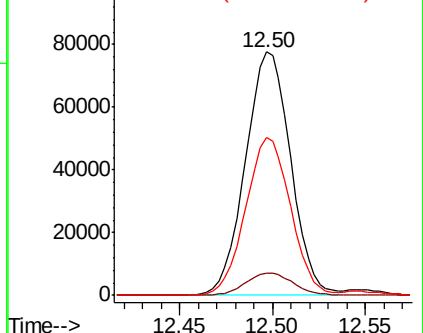
85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060923.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060923.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060923.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 74.825 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060923.D

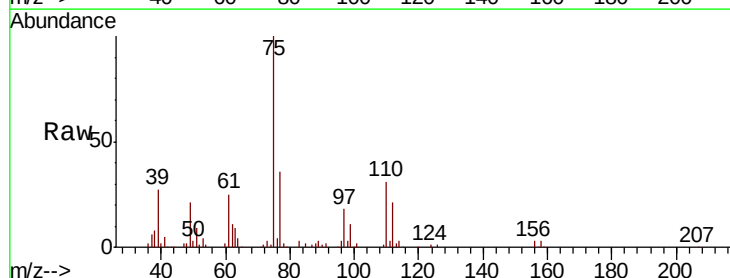
Acq: 14 Apr 2020 10:12

Tgt Ion: 75 Resp: 179944

Ion Ratio Lower Upper

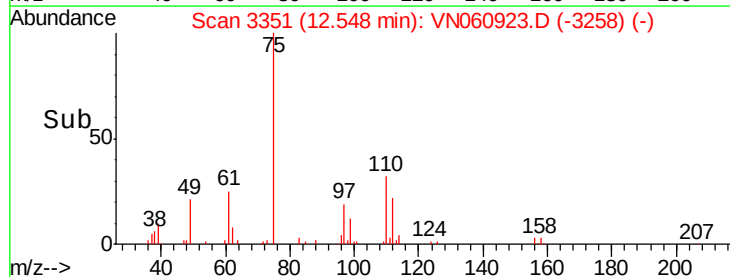
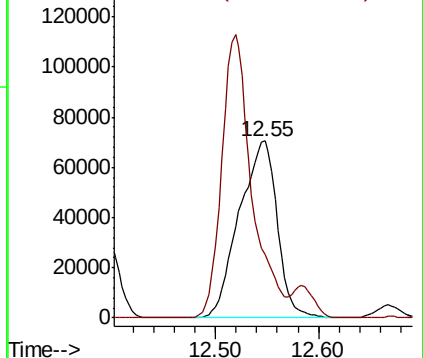
75 100

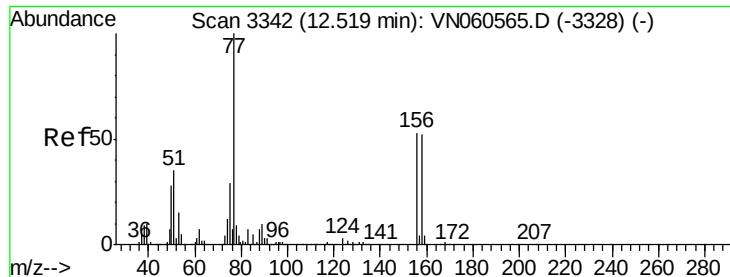
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060923.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060923.D (-3351) (-)





#77

Bromobenzene

Concen: 49.791 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

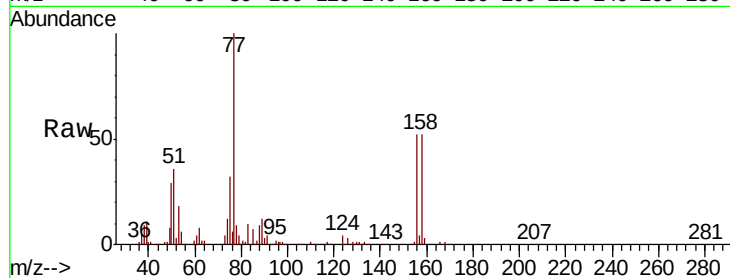
Tot Ion:156 Resp: 100348

Ion Ratio Lower Upper

156 100

77 229.3 112.3 337.0

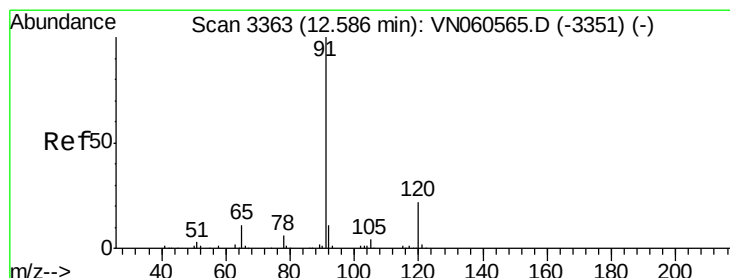
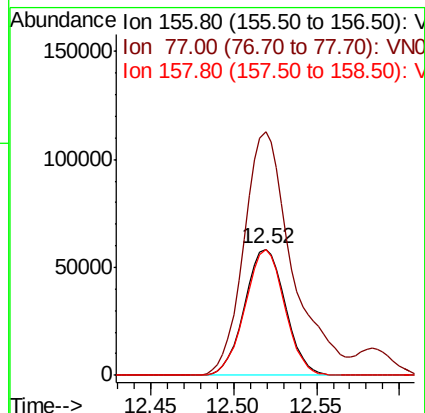
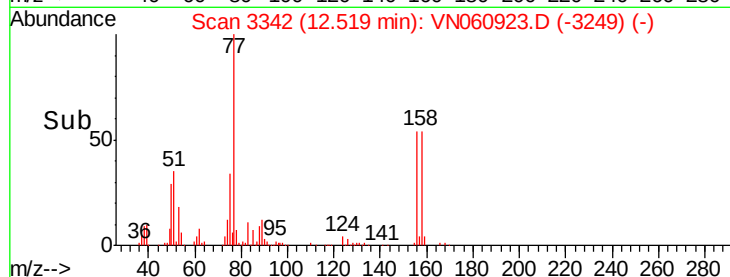
158 96.8 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.803 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060923.D

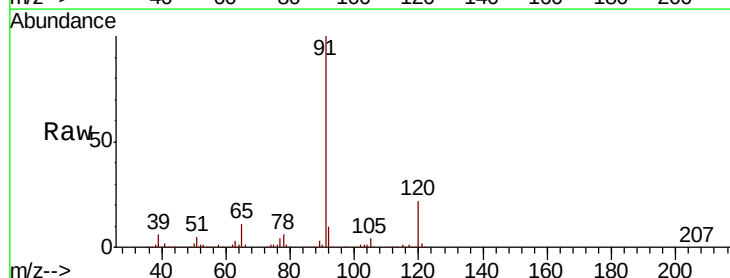
Acq: 14 Apr 2020 10:12

Tgt Ion: 91 Resp: 511886

Ion Ratio Lower Upper

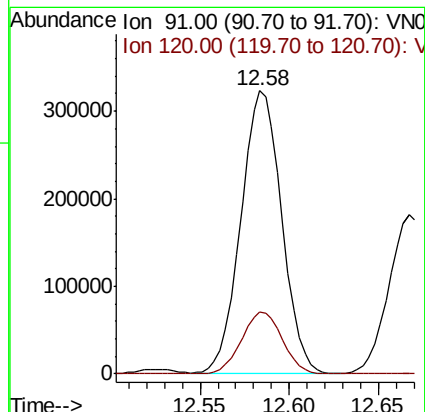
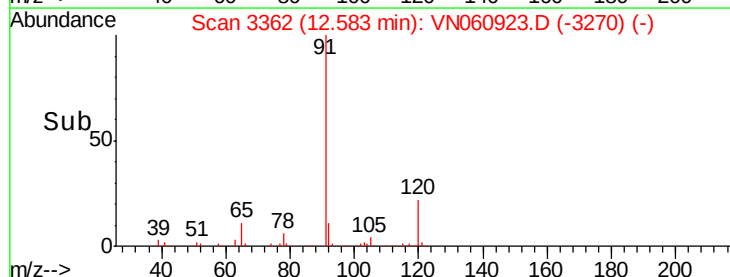
91 100

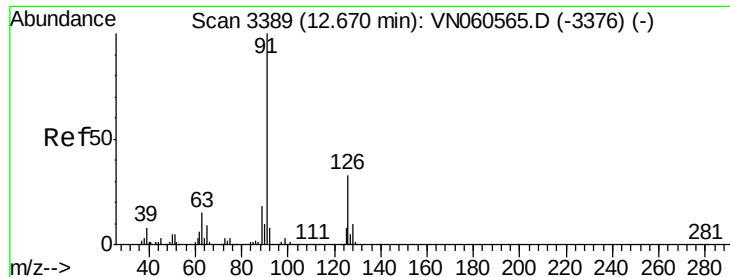
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

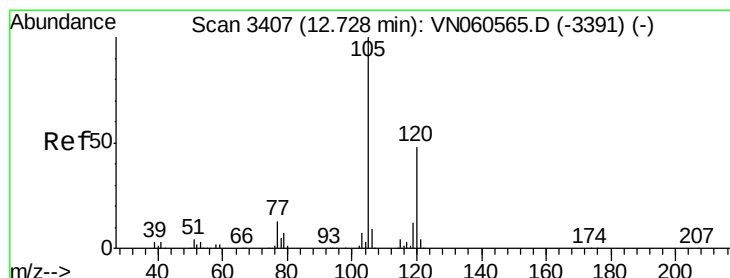
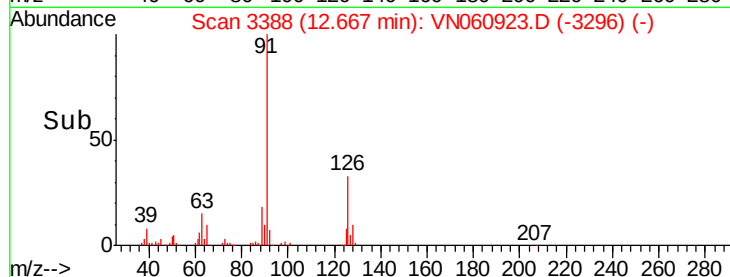
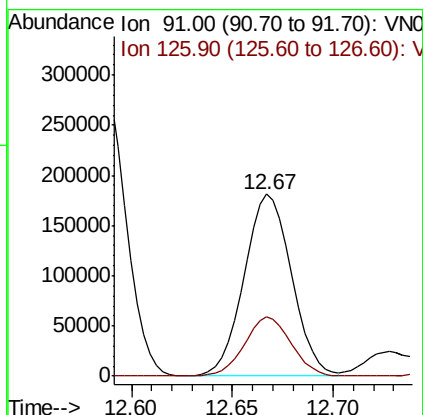
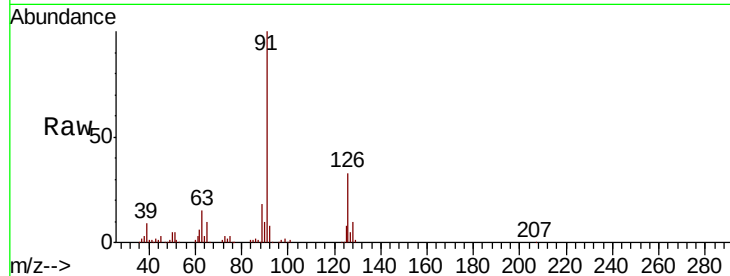




#79
 2-Chlorotoluene
 Concen: 50.332 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

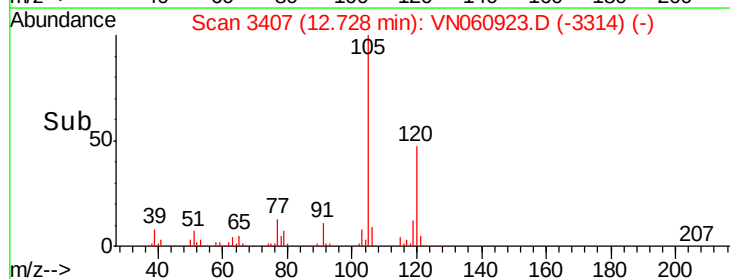
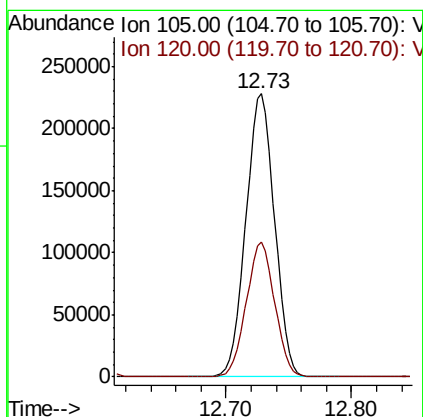
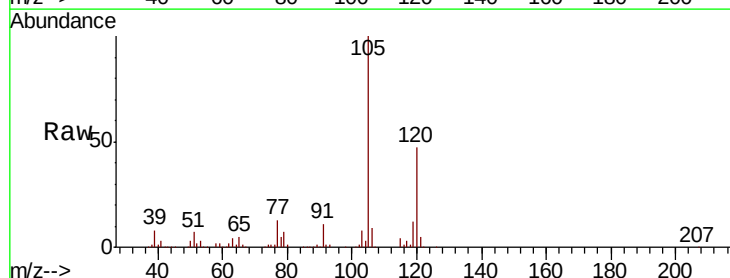
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

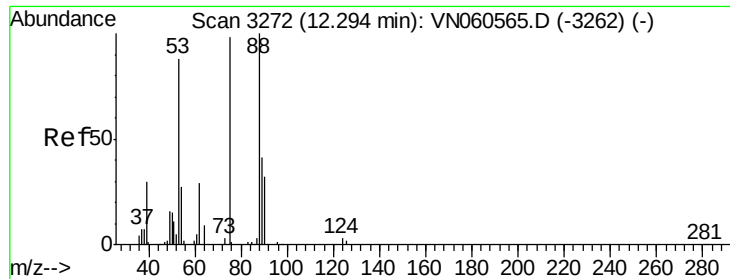
Tot Ion: 91 Resp: 297165
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.123 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 105 Resp: 362864
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 51.462 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

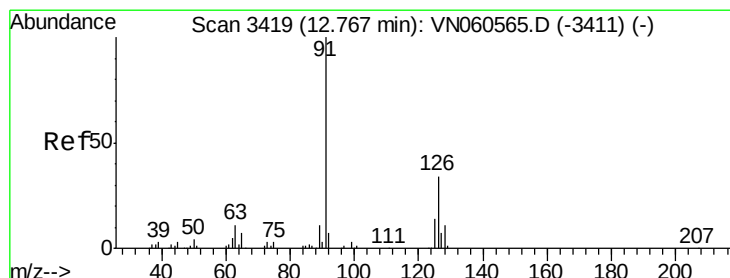
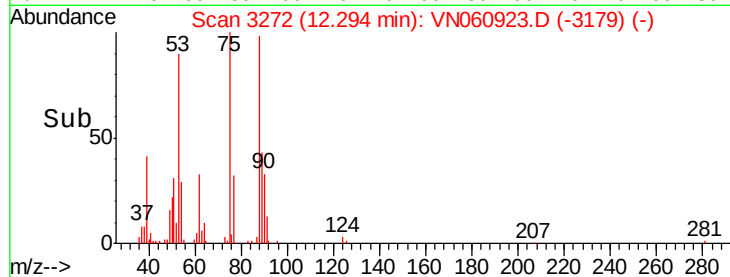
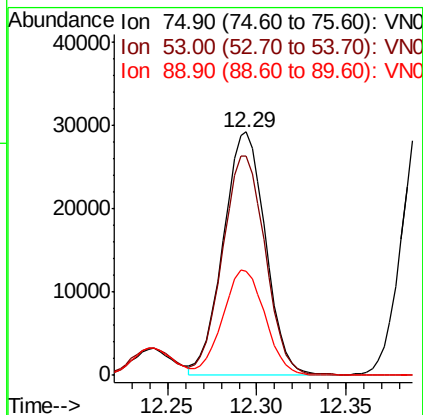
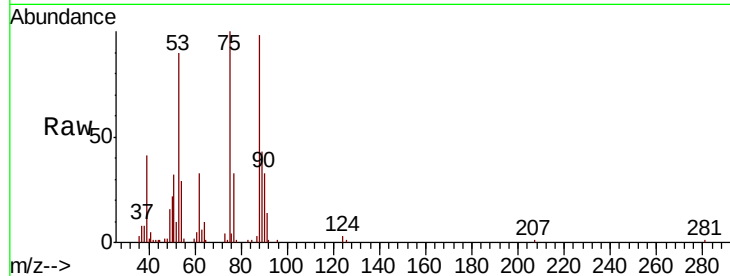
Tot Ion: 75 Resp: 48187

Ion Ratio Lower Upper

75 100

53 91.6 73.0 109.4

89 43.1 34.8 52.2



#82

4-Chlorotoluene

Concen: 51.731 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060923.D

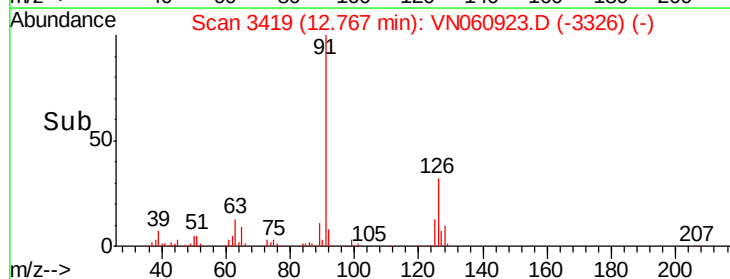
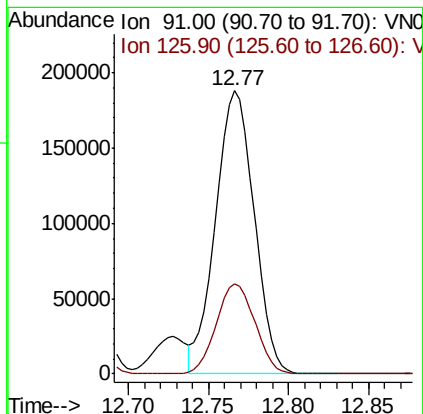
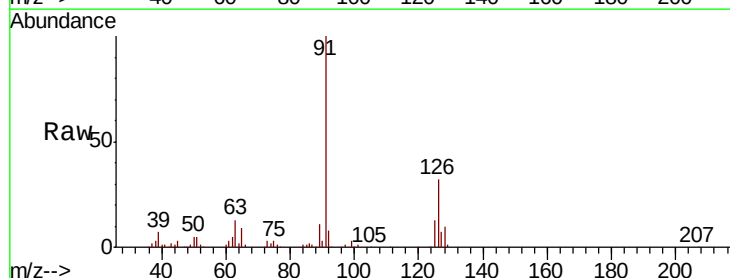
Acq: 14 Apr 2020 10:12

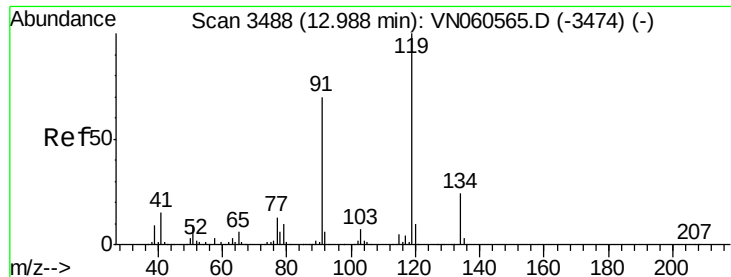
Tgt Ion: 91 Resp: 311072

Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.5

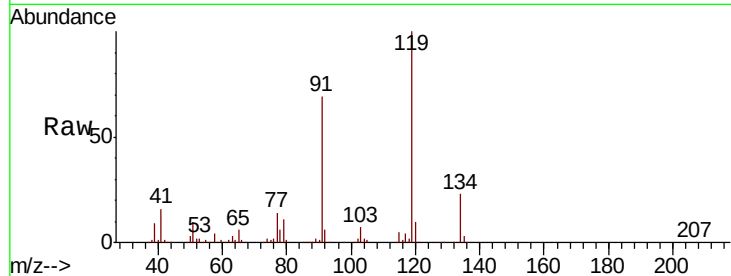




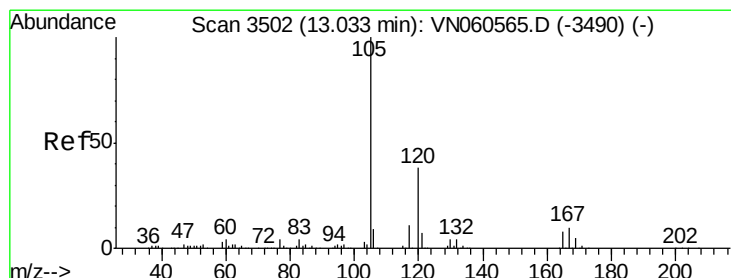
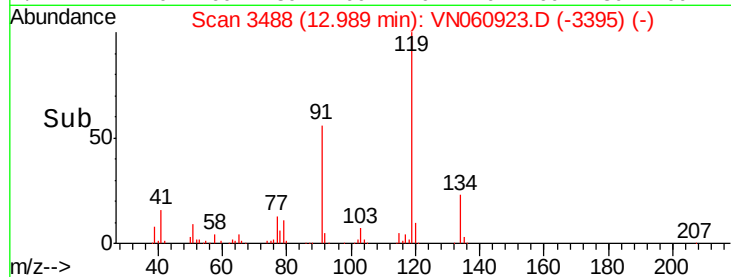
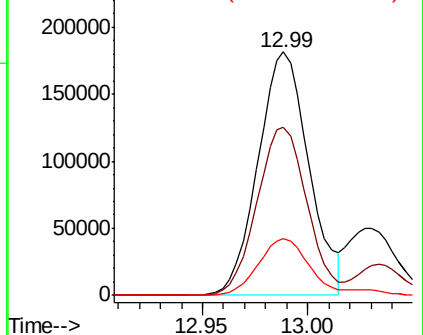
#83
tert-Butylbenzene
Concen: 51.720 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 304315
Ion Ratio Lower Upper
119 100
91 68.3 34.0 101.8
134 23.3 12.7 38.0

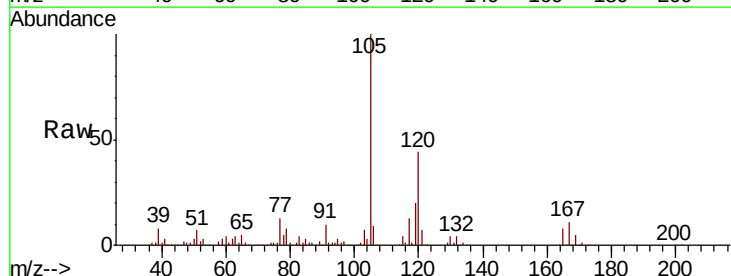


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

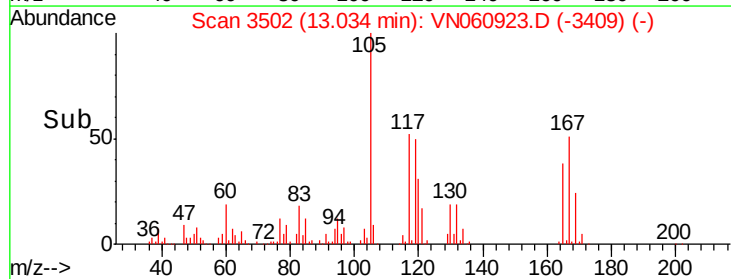
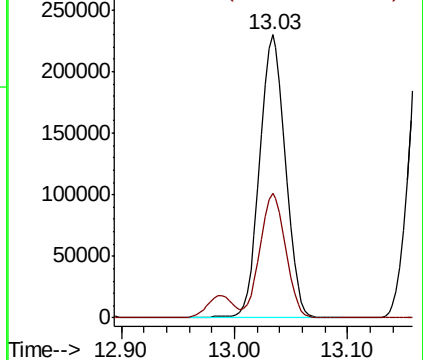


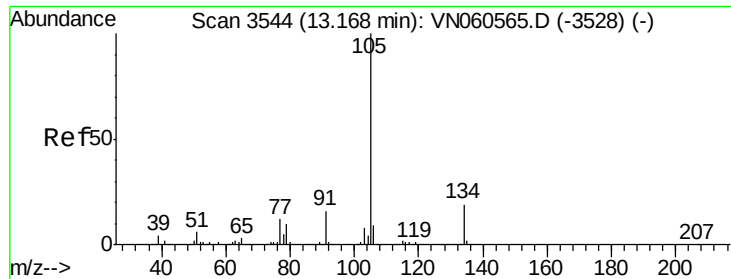
#84
1,2,4-Trimethylbenzene
Concen: 51.808 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion:105 Resp: 363789
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.475 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

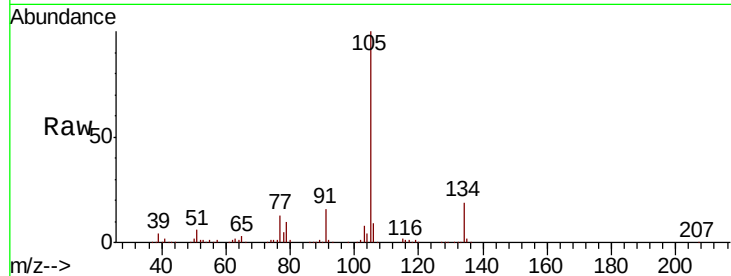
VSTDCCC050

Tot Ion:105 Resp: 423099

Ion Ratio Lower Upper

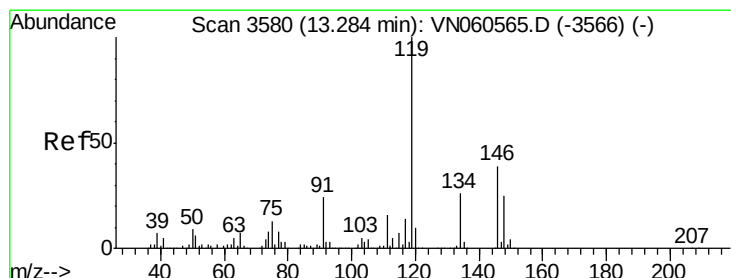
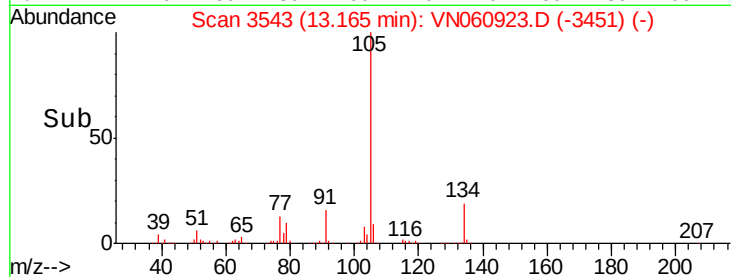
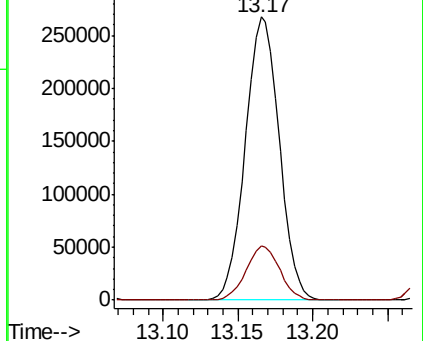
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.069 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

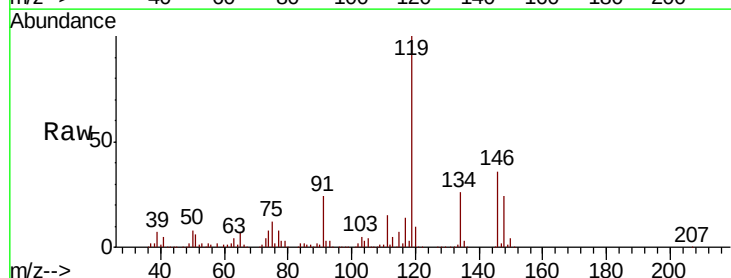
Tgt Ion:119 Resp: 377570

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

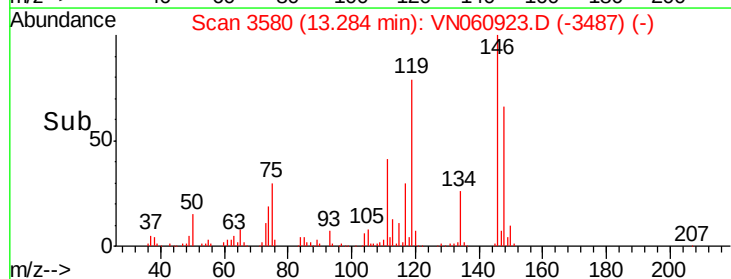
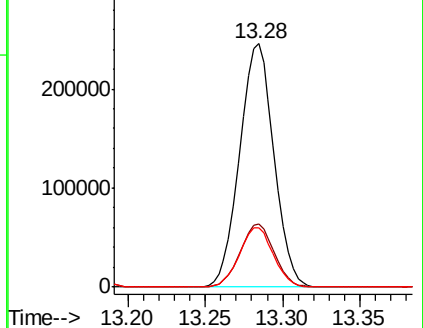
91 24.3 12.0 36.0

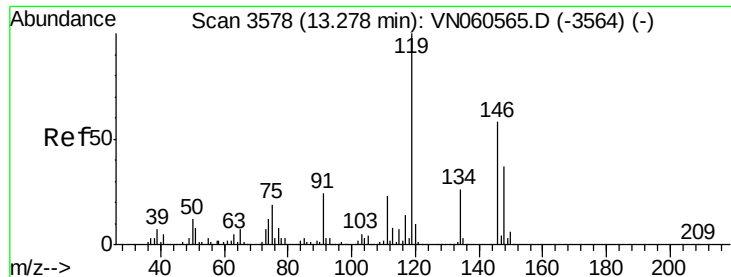


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

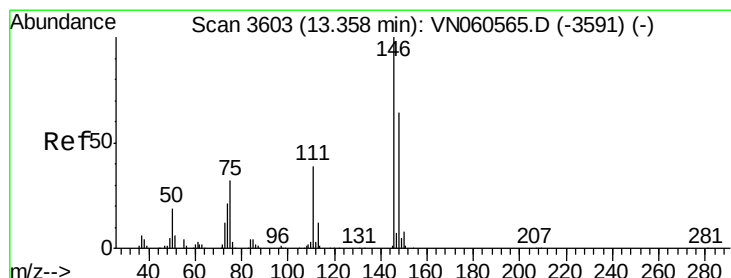
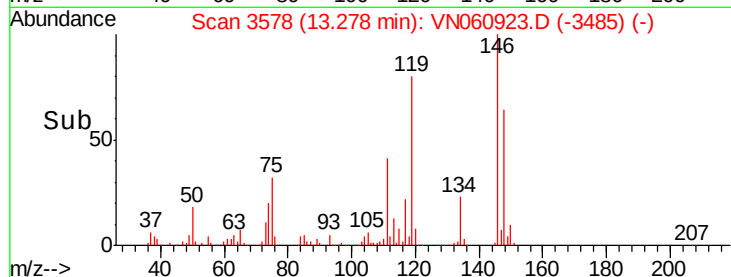
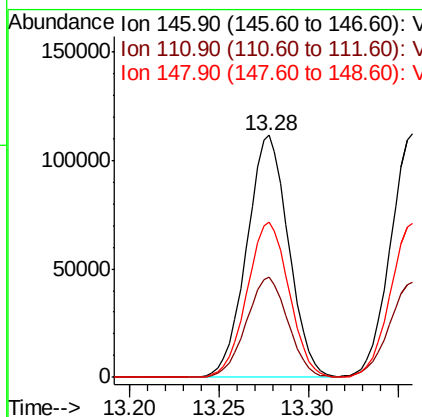
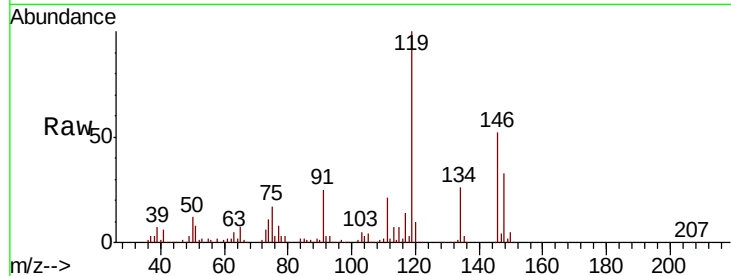




#87
 1,3-Dichlorobenzene
 Concen: 51.368 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

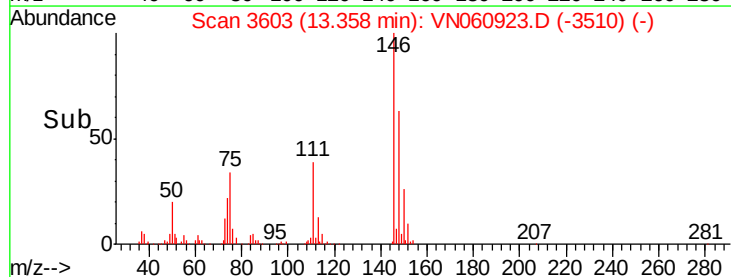
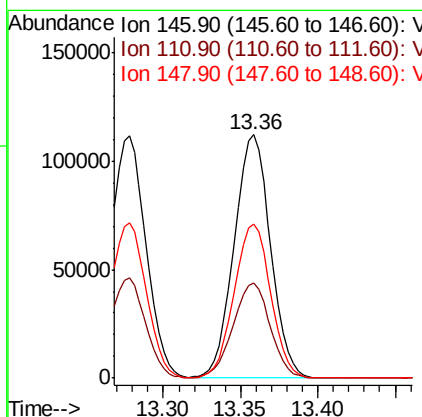
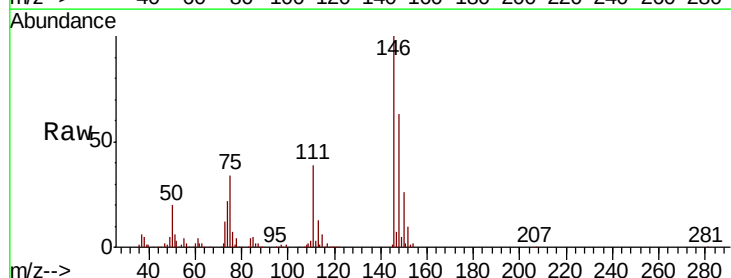
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

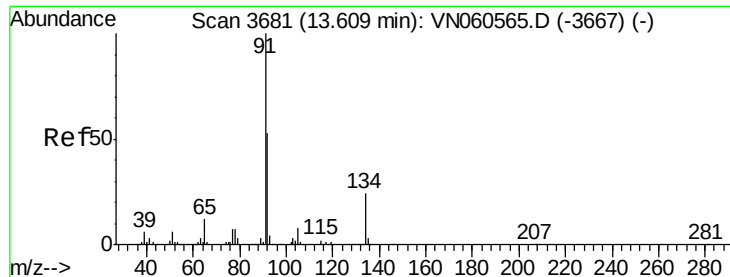
Tot Ion:146 Resp: 182592
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.3 60.8
 148 64.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 51.321 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion:146 Resp: 183282
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.6 58.7
 148 63.5 32.1 96.3





#89

n-Butylbenzene

Concen: 56.641 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

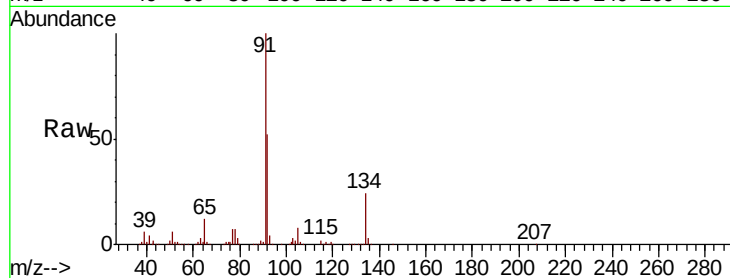
Tot Ion: 91 Resp: 363839

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.5

134 24.2 12.3 36.9

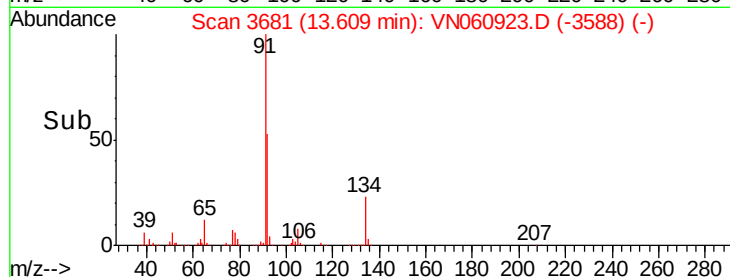


Abundance Ion 91.00 (90.70 to 91.70): VN060923.D (-3667) (-)

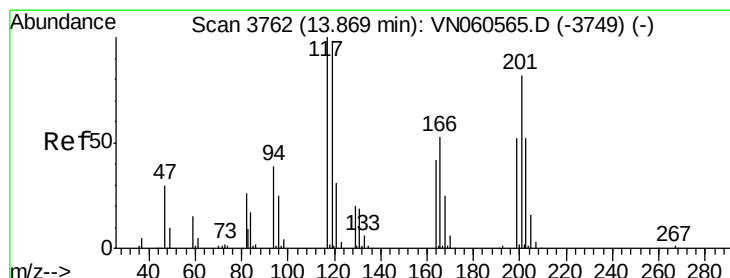
Ion 92.00 (91.70 to 92.70): VN060923.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060923.D (-3667) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: 57.530 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060923.D

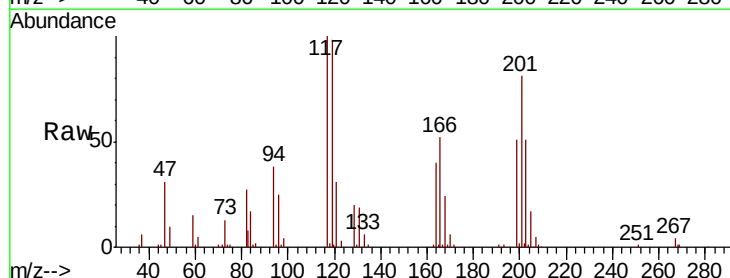
Acq: 14 Apr 2020 10:12

Tgt Ion: 117 Resp: 59497

Ion Ratio Lower Upper

117 100

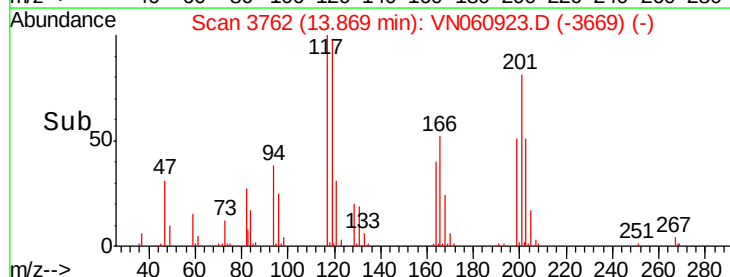
201 81.4 40.8 122.5



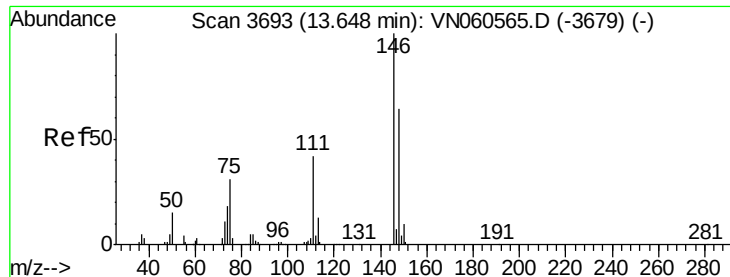
Abundance Ion 116.80 (116.50 to 117.50): VN060923.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060923.D (-3749) (-)

Time-->



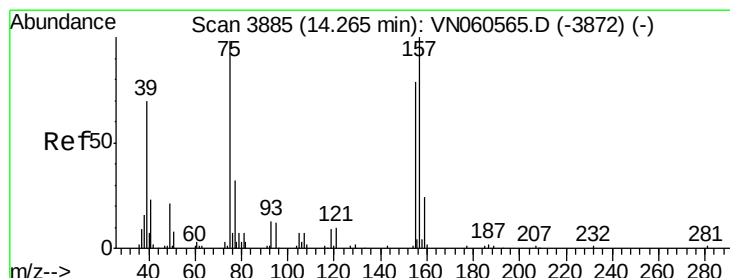
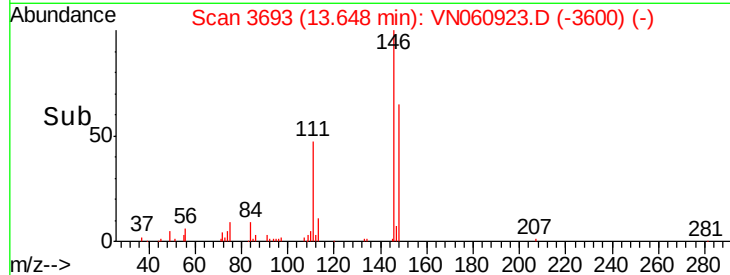
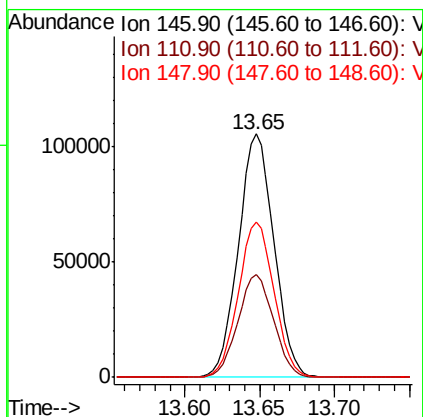
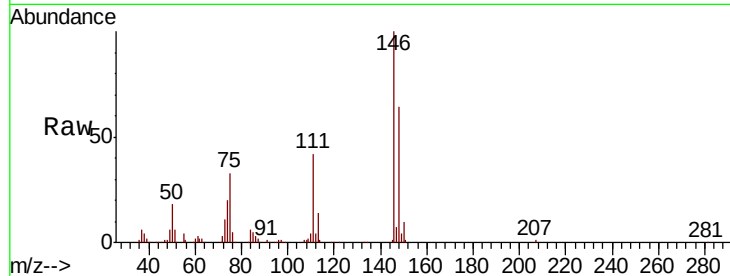
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 51.422 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

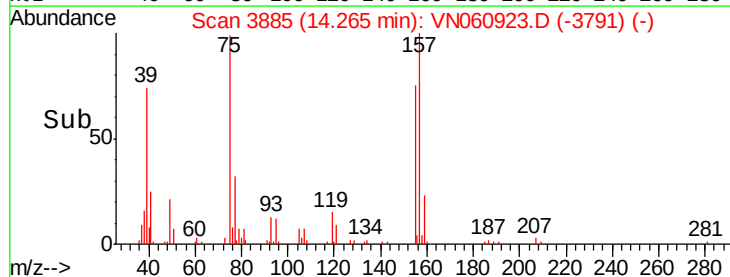
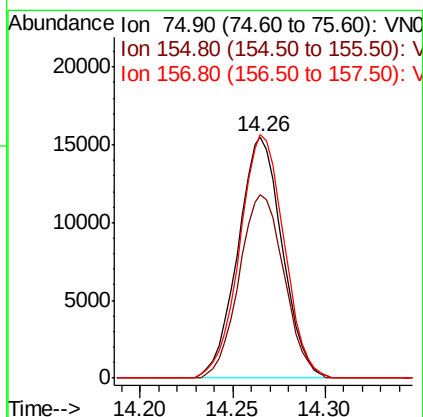
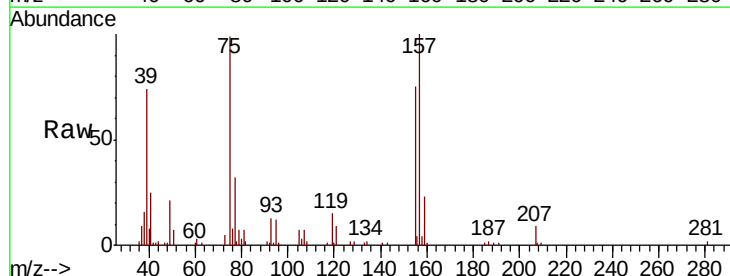
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

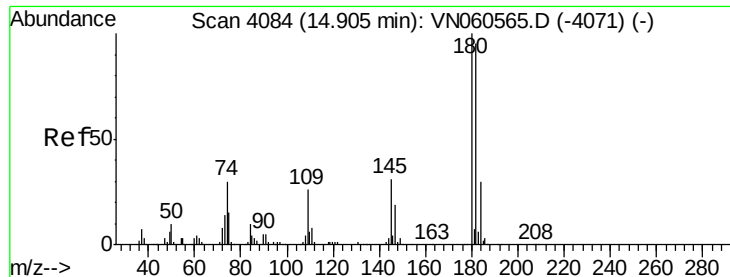
Tot Ion:146 Resp: 174777
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.0 63.0
 148 64.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.287 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion: 75 Resp: 25586
 Ion Ratio Lower Upper
 75 100
 155 77.5 40.7 122.1
 157 101.3 51.5 154.7

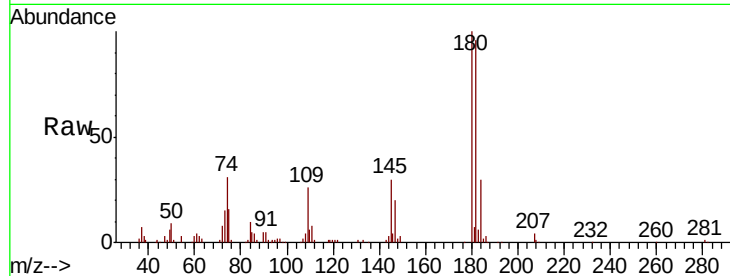




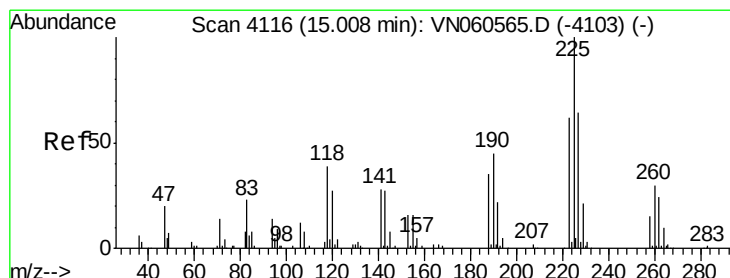
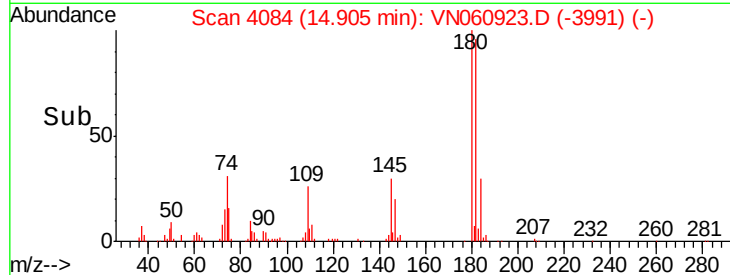
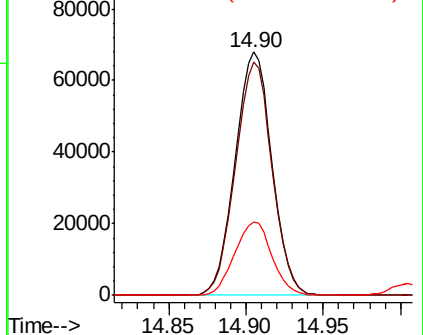
#93
 1,2,4-Trichlorobenzene
 Concen: 53.695 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 112074
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.8
 145 30.6 15.4 46.2

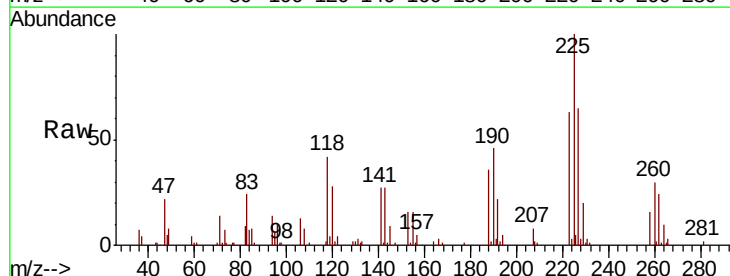


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

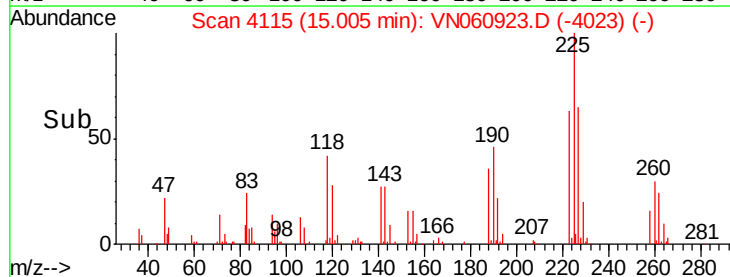
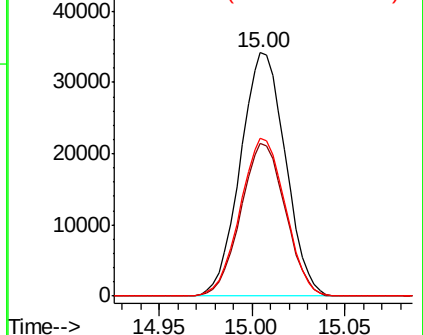


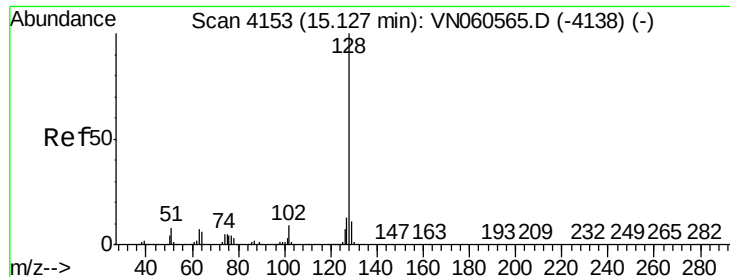
#94
 Hexachlorobutadiene
 Concen: 56.272 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion:225 Resp: 57578
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 95.0
 227 64.8 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

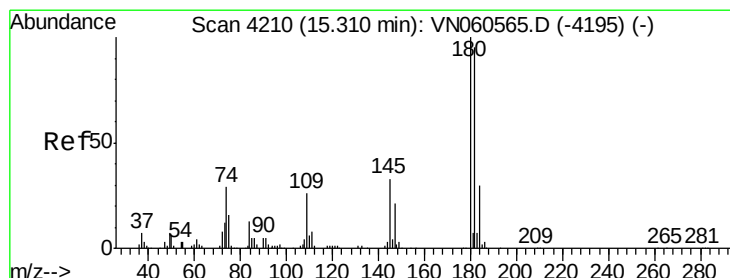
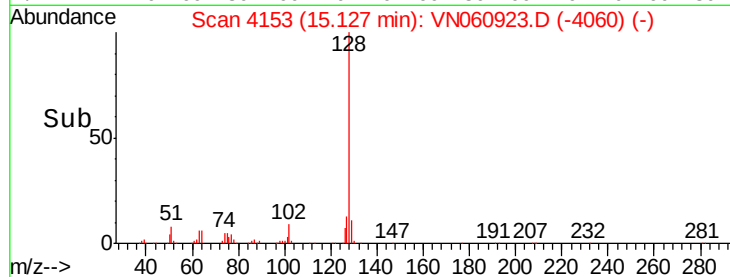
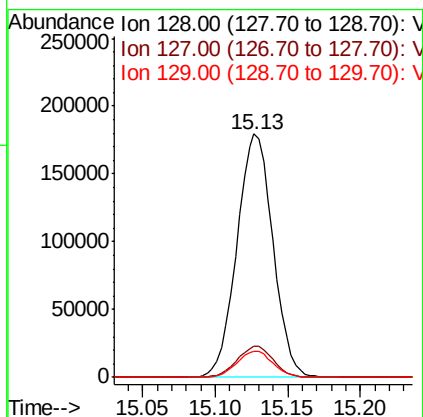
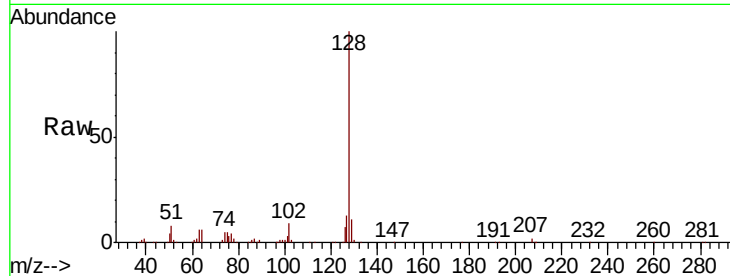




#95
Naphthalene
Concen: 49.309 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.735 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	32.9	16.3	48.8

