

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
 Data File : VN060687.D
 Acq On : 25 Mar 2020 11:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 26 02:47:15 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	192510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140914	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130335	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.56	113	96998	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.08	98	389333	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	143880	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98004	52.614	ug/l	99
3) Chloromethane	2.04	50	166846	47.959	ug/l	99
4) Vinyl Chloride	2.17	62	128929	47.382	ug/l	99
5) Bromomethane	2.54	94	58415	49.730	ug/l	98
6) Chloroethane	2.68	64	80398	51.292	ug/l	98
7) Trichlorofluoromethane	3.00	101	172599	51.492	ug/l	99
8) Diethyl Ether	3.38	74	70506	52.361	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	103782	53.433	ug/l	100
10) Methyl Iodide	3.93	142	89958	52.050	ug/l	99
11) Tert butyl alcohol	4.72	59	96066	247.172	ug/l	99
12) 1,1-Dichloroethene	3.72	96	104917	50.337	ug/l	99
13) Acrolein	3.57	56	151932	352.714	ug/l	98
14) Allyl chloride	4.29	41	185895	50.710	ug/l	98
15) Acrylonitrile	4.94	53	296450	259.385	ug/l	99
16) Acetone	3.77	43	267773	286.050	ug/l	98
17) Carbon Disulfide	4.03	76	314975	49.689	ug/l	99
18) Methyl Acetate	4.28	43	135944	51.594	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	362517	50.588	ug/l	98
20) Methylene Chloride	4.52	84	118316	51.380	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	111857	50.354	ug/l	93
22) Diisopropyl ether	5.91	45	409283	52.847	ug/l	97
23) Vinyl Acetate	5.85	43	1699694	268.980	ug/l	99
24) 1,1-Dichloroethane	5.81	63	222556	52.713	ug/l	100
25) 2-Butanone	6.79	43	405624	267.777	ug/l	98
26) 2,2-Dichloropropane	6.79	77	189184	56.952	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	129031	51.115	ug/l	99
28) Bromochloromethane	7.16	49	104030	51.500	ug/l	99
29) Tetrahydrofuran	7.17	42	266706	248.846	ug/l	99
30) Chloroform	7.34	83	209134	51.670	ug/l	99
31) Cyclohexane	7.63	56	209430	49.203	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	180190	51.642	ug/l	98
36) 1,1-Dichloropropene	7.77	75	165304	54.573	ug/l	100
37) Ethyl Acetate	6.89	43	167968	51.320	ug/l	99
38) Carbon Tetrachloride	7.75	117	144697	53.300	ug/l	98

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 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	195509	54.314	ug/l	98
40) Benzene	8.02	78	488126	53.383	ug/l	100
41) Methacrylonitrile	7.17	41	239916	171.762	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	169541	54.254	ug/l	99
43) Isopropyl Acetate	8.14	43	287549	53.273	ug/l	99
44) Trichloroethene	8.81	130	124773	54.130	ug/l	97
45) 1,2-Dichloropropane	9.10	63	133378	55.280	ug/l	97
46) Dibromomethane	9.19	93	80746	55.356	ug/l	100
47) Bromodichloromethane	9.38	83	167702	55.327	ug/l	98
48) Methyl methacrylate	9.18	41	127495	53.052	ug/l	98
49) 1,4-Dioxane	9.18	88	36577	1280.486	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	826249	269.003	ug/l	100
52) Toluene	10.14	92	300663	54.445	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	194294	55.803	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	209844	54.937	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114345	53.822	ug/l	99
56) Ethyl methacrylate	10.42	69	184528	55.705	ug/l	99
57) 1,3-Dichloropropane	10.70	76	201543	54.668	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	497536	302.197	ug/l	99
59) 2-Hexanone	10.74	43	606311	274.029	ug/l	100
60) Dibromochloromethane	10.89	129	120998	55.137	ug/l	100
61) 1,2-Dibromoethane	10.99	107	116791	54.670	ug/l	99
64) Tetrachloroethene	10.62	164	117929	52.410	ug/l	99
65) Chlorobenzene	11.42	112	308270	54.382	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	112432	54.781	ug/l	98
67) Ethyl Benzene	11.50	91	577459	54.779	ug/l	100
68) m/p-Xylenes	11.61	106	427203	109.055	ug/l	99
69) o-Xylene	11.94	106	203232	54.347	ug/l	100
70) Styrene	11.96	104	342820	56.053	ug/l	100
71) Bromoform	12.12	173	87038	50.990	ug/l #	99
73) Isopropylbenzene	12.24	105	547432	51.767	ug/l	100
74) N-amyl acetate	12.06	43	253309	51.837	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	165043	51.609	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	226668	74.546	ug/l #	100
77) Bromobenzene	12.52	156	132619	52.044	ug/l	98
78) n-propylbenzene	12.59	91	657402	52.618	ug/l	99
79) 2-Chlorotoluene	12.67	91	381466	51.101	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	470856	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62119	52.469	ug/l	99
82) 4-Chlorotoluene	12.77	91	403859	53.118	ug/l	99
83) tert-Butylbenzene	12.99	119	386305	51.927	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	466274	52.518	ug/l	100
85) sec-Butylbenzene	13.17	105	528128	52.793	ug/l	99
86) p-Isopropyltoluene	13.28	119	476393	52.958	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	240326	53.473	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238874	52.902	ug/l	99
89) n-Butylbenzene	13.61	91	442079	54.431	ug/l	100
90) Hexachloroethane	13.87	117	72023	55.081	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	230582	53.656	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33499	50.011	ug/l	96

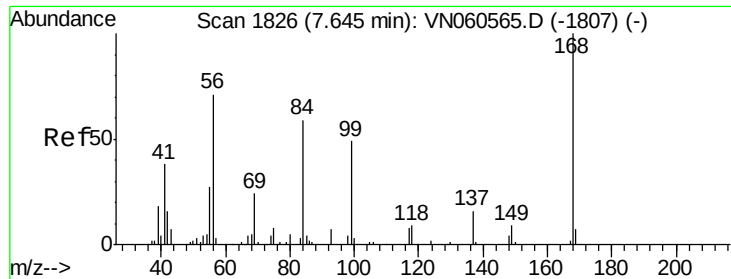
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144837	54.883	ug/l	100
94) Hexachlorobutadiene	15.01	225	68175	52.697	ug/l	100
95) Naphthalene	15.13	128	416255	52.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137361	52.844	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

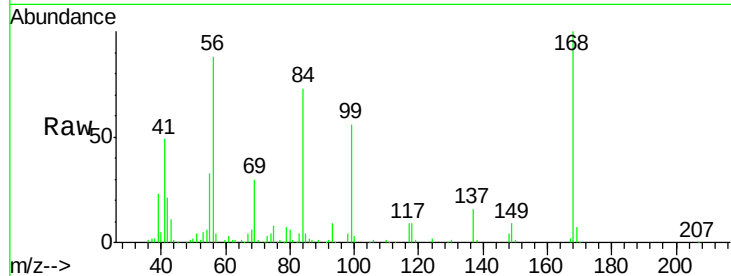
VSTDCCC050

Tgt Ion: 168 Resp: 192510

Ion Ratio Lower Upper

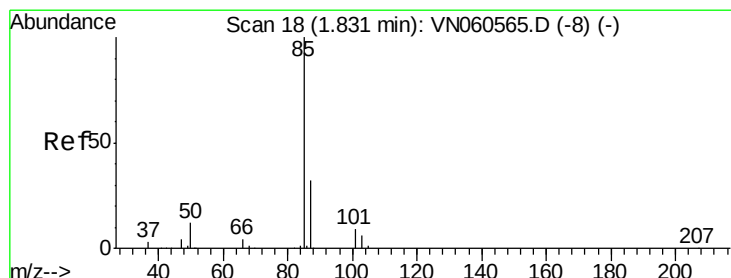
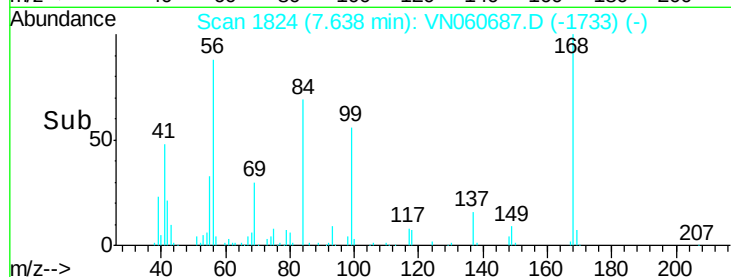
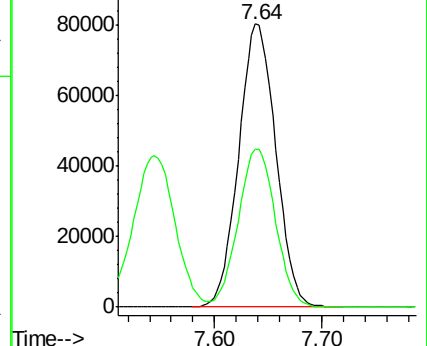
168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 52.614 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060687.D

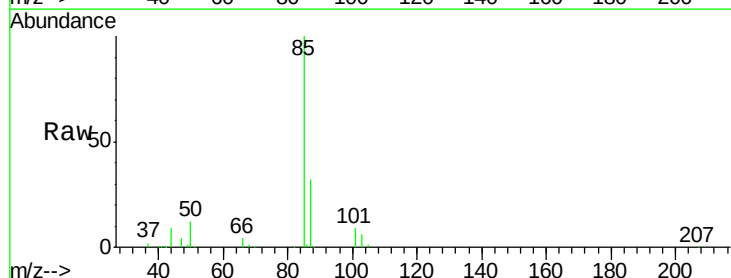
Acq: 25 Mar 2020 11:06

Tgt Ion: 85 Resp: 98004

Ion Ratio Lower Upper

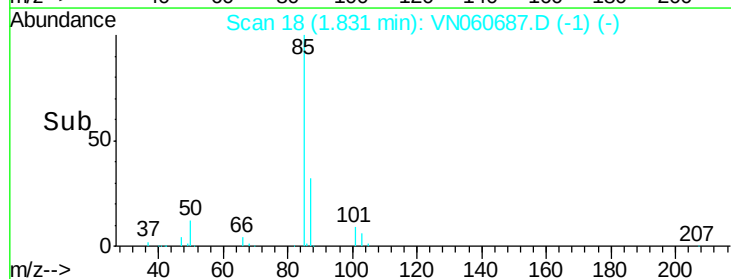
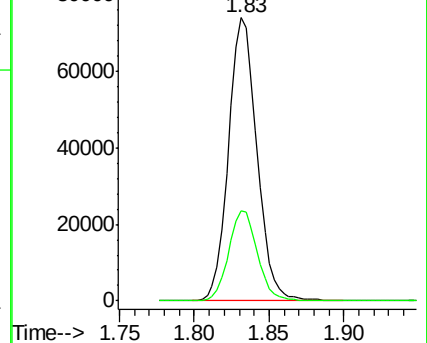
85 100

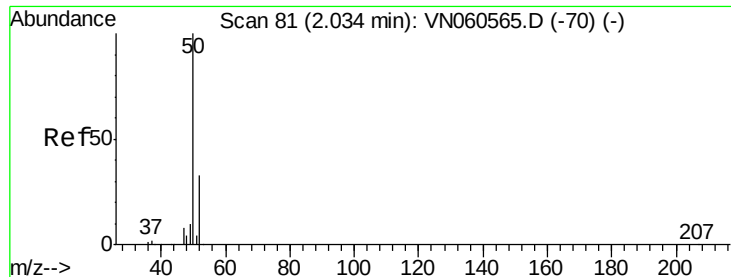
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.959 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

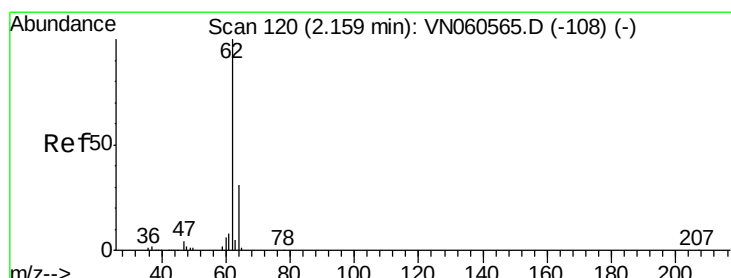
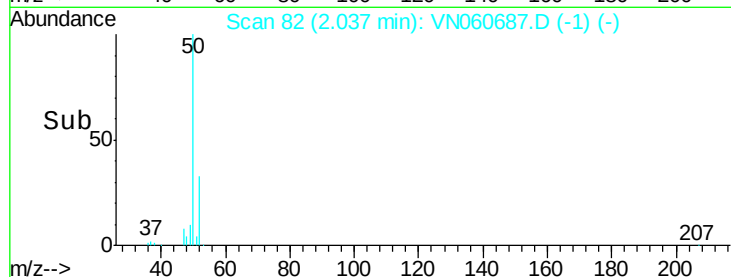
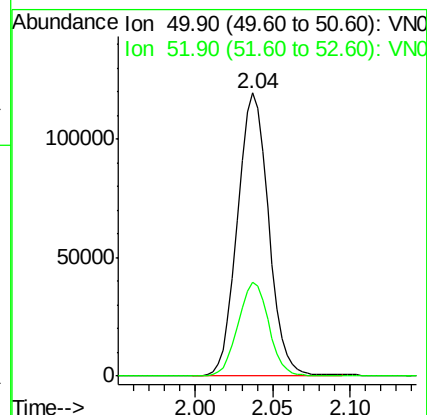
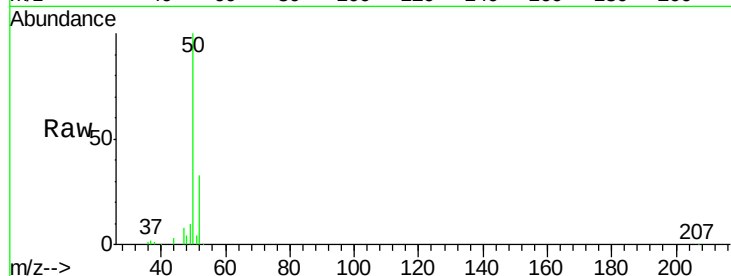
VSTDCCC050

Tgt Ion: 50 Resp: 166846

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.2



#4

Vinyl Chloride

Concen: 47.382 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060687.D

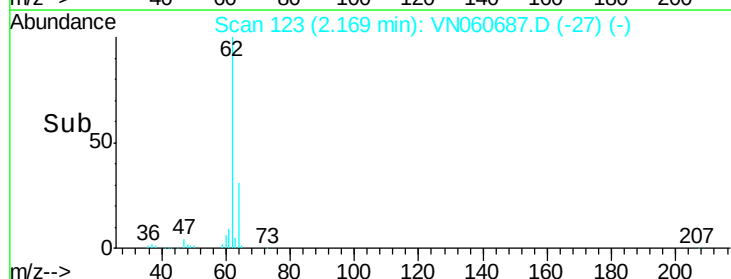
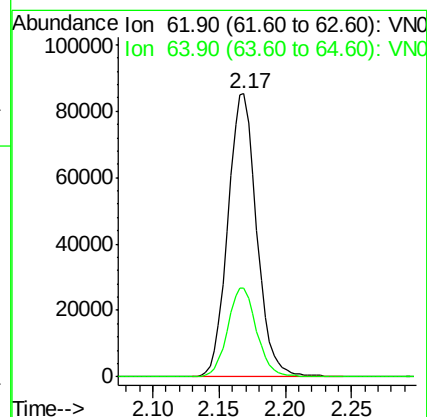
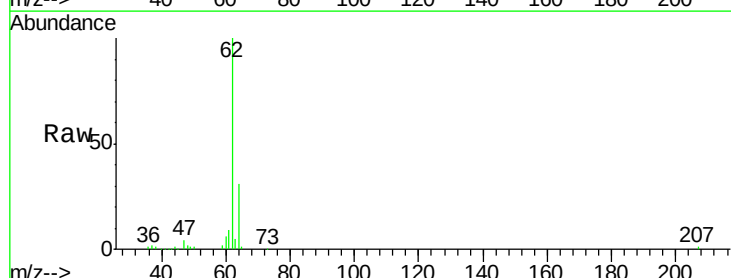
Acq: 25 Mar 2020 11:06

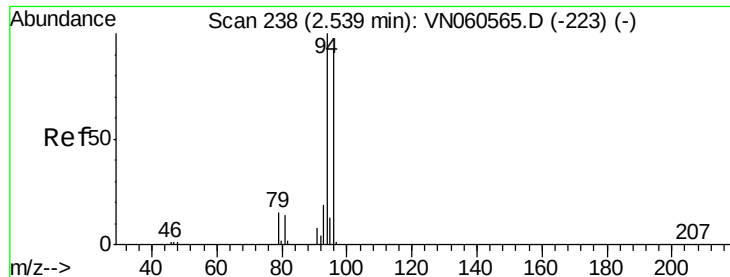
Tgt Ion: 62 Resp: 128929

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 49.730 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

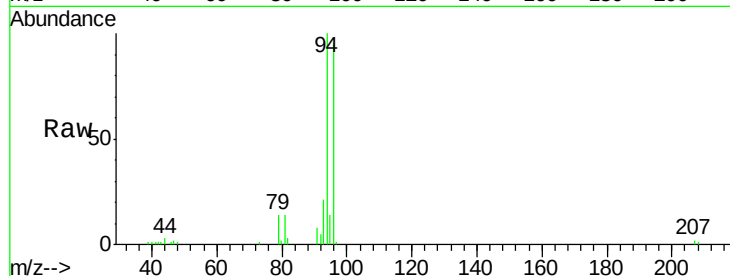
VSTDCCC050

Tgt Ion: 94 Resp: 58415

Ion Ratio Lower Upper

94 100

96 95.3 74.6 112.0

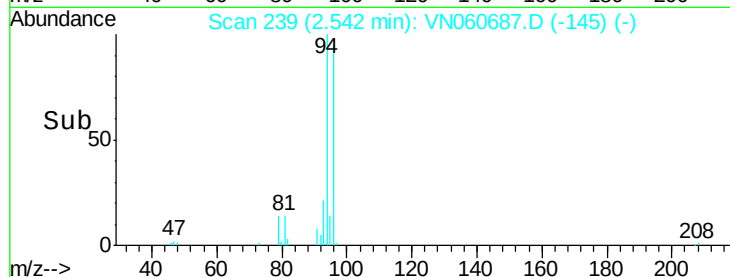


Abundance Ion 93.90 (93.60 to 94.60): VN060565.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060565.D (-223) (-)

2.54

Time-->

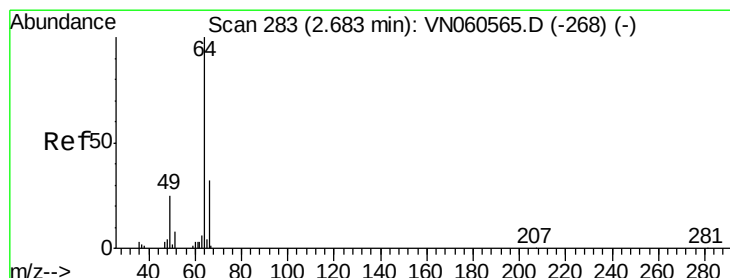


Abundance Ion 93.90 (93.60 to 94.60): VN060687.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060687.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 51.292 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060687.D

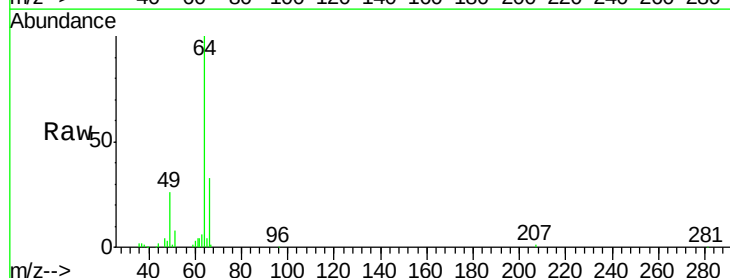
Acq: 25 Mar 2020 11:06

Tgt Ion: 64 Resp: 80398

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9

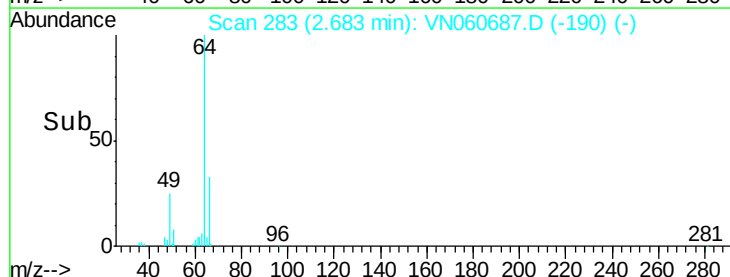


Abundance Ion 63.90 (63.60 to 64.60): VN060565.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN060565.D (-268) (-)

2.68

Time-->

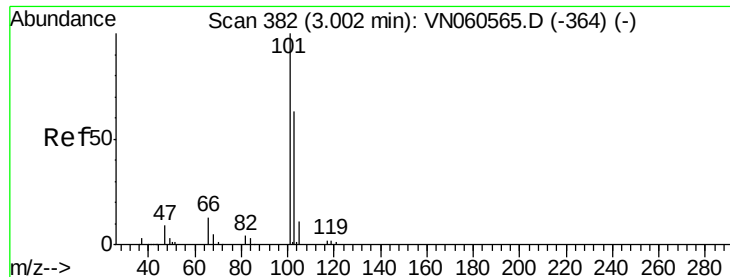


Abundance Ion 63.90 (63.60 to 64.60): VN060687.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060687.D (-190) (-)

2.68

Time-->

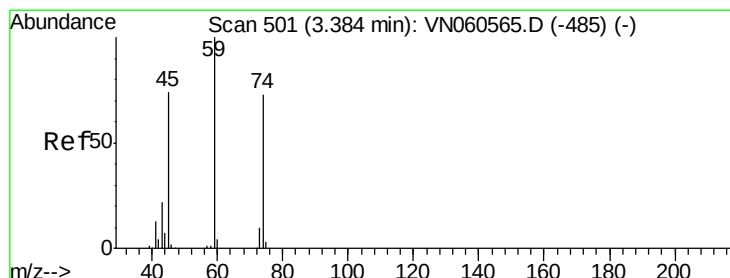
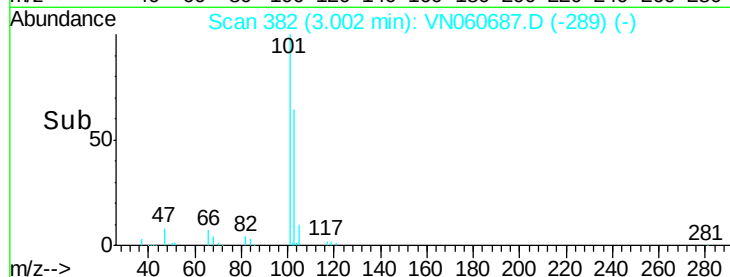
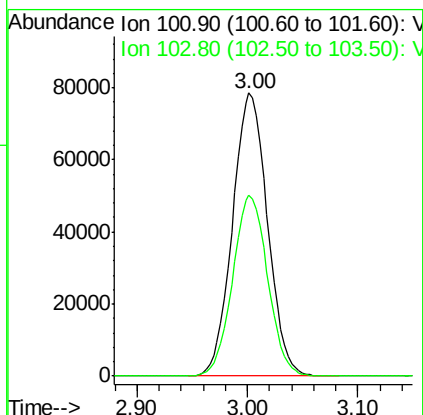
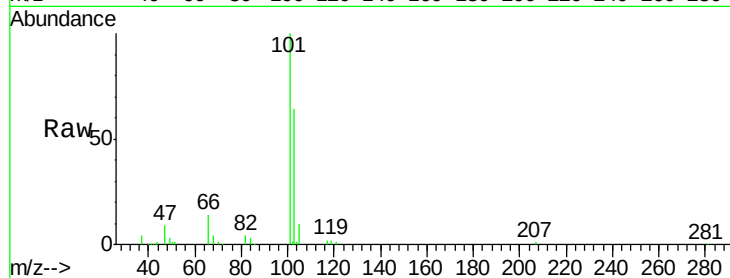


#7

Trichlorofluoromethane
 Concen: 51.492 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

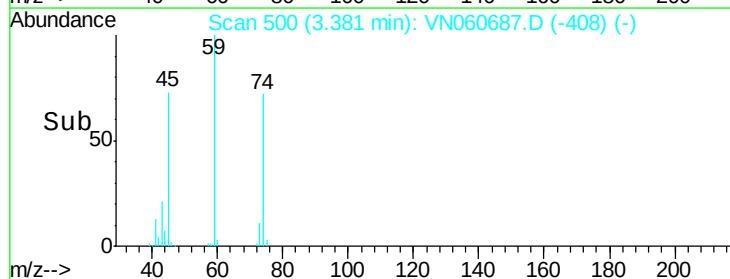
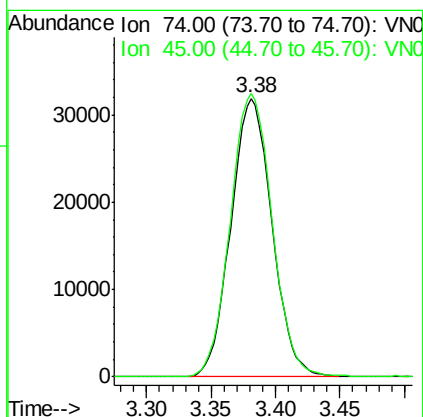
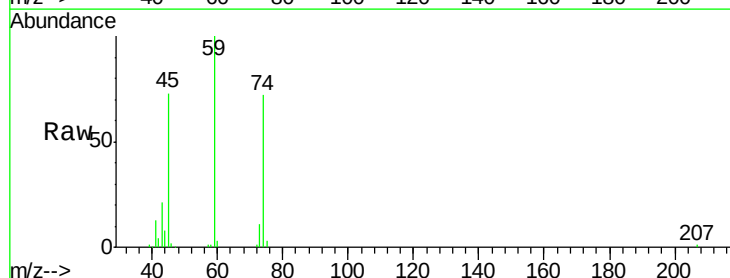
Tgt Ion: 101 Resp: 172599
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.6 76.0

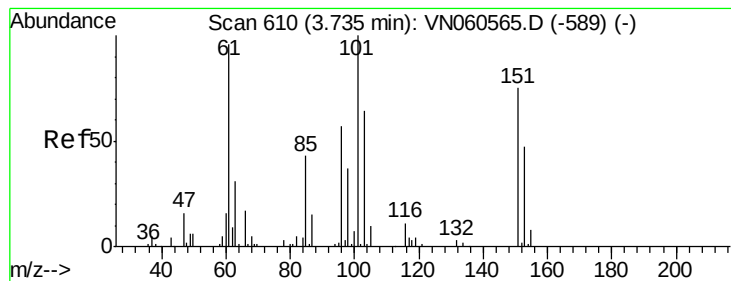


#8

Diethyl Ether
 Concen: 52.361 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 74 Resp: 70506
 Ion Ratio Lower Upper
 74 100
 45 103.8 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.433 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

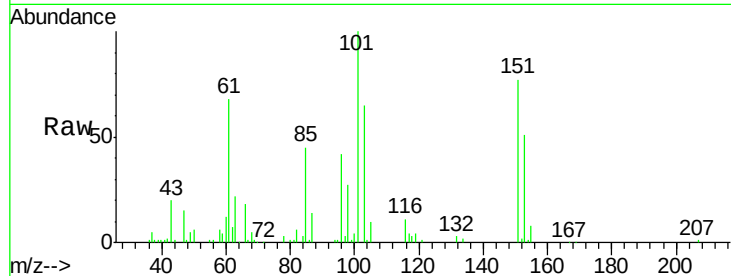
Tgt Ion:101 Resp: 103782

Ion Ratio Lower Upper

101 100

85 44.7 35.6 53.4

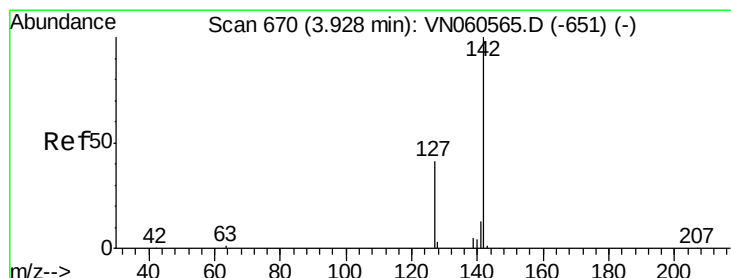
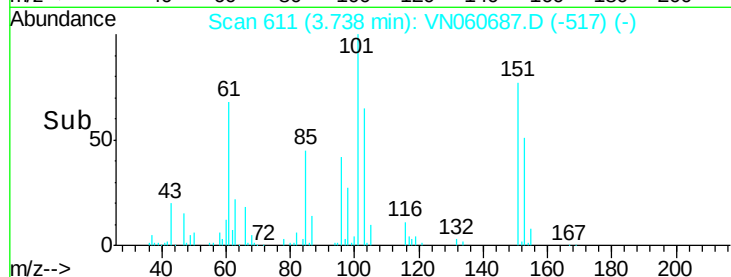
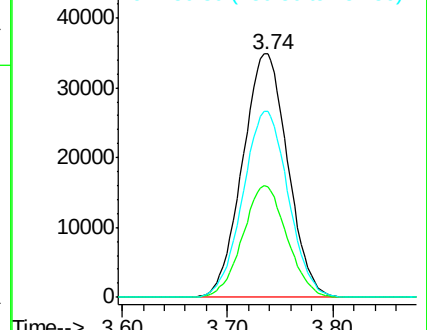
151 76.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.050 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

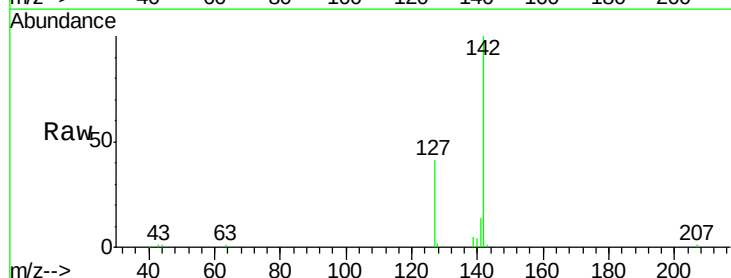
Tgt Ion:142 Resp: 89958

Ion Ratio Lower Upper

142 100

127 41.4 33.5 50.3

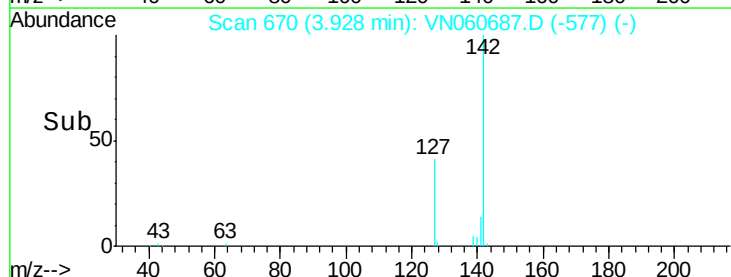
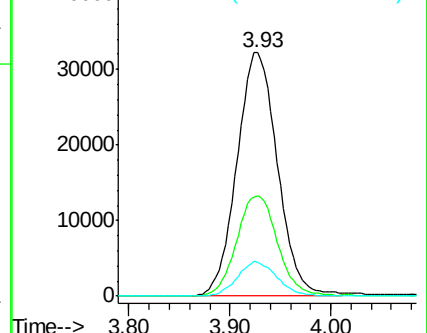
141 13.8 11.0 16.6

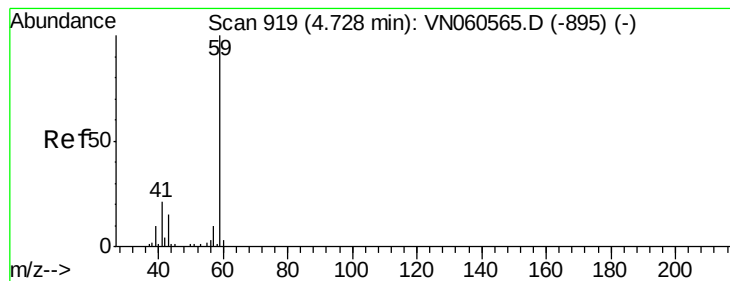


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



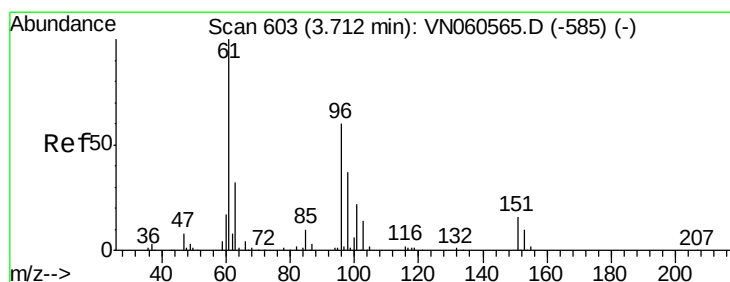
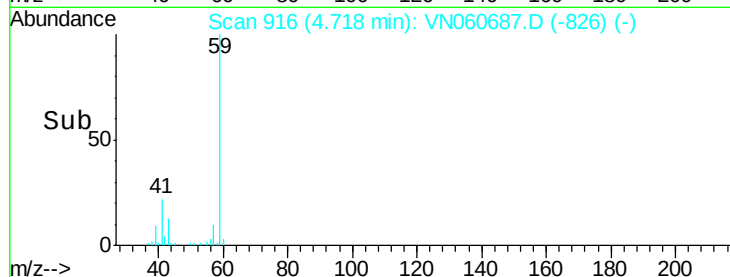
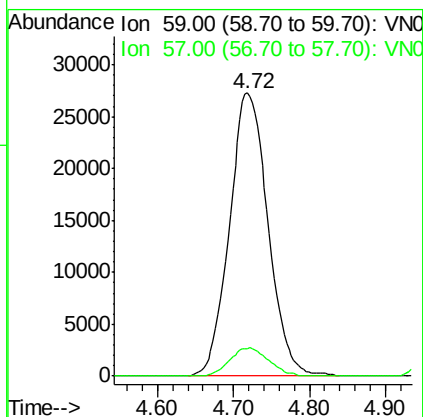
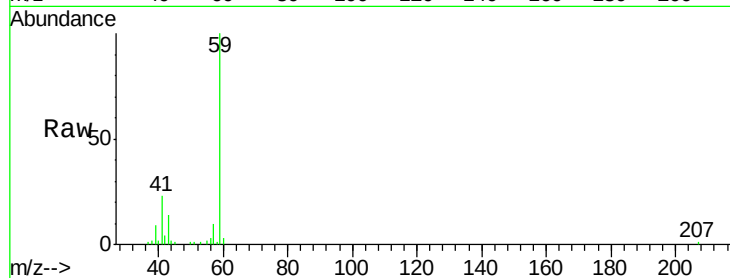


#11

Tert butyl alcohol
 Concen: 247.172 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

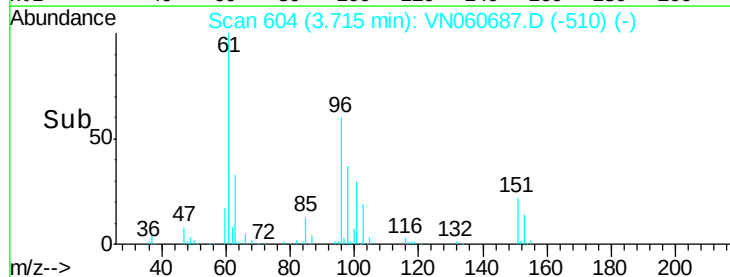
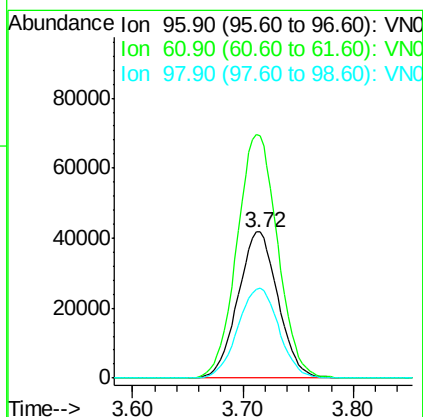
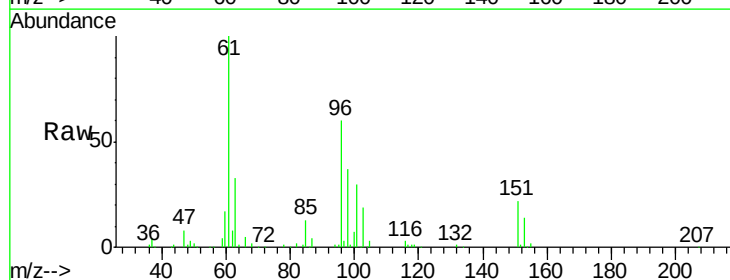
Tgt Ion: 59 Resp: 96066
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

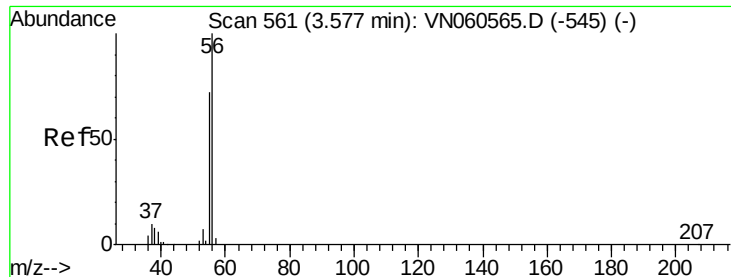


#12

1,1-Dichloroethene
 Concen: 50.337 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 96 Resp: 104917
 Ion Ratio Lower Upper
 96 100
 61 165.7 134.1 201.1
 98 61.7 49.9 74.9





#13

Acrolein

Concen: 352.714 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

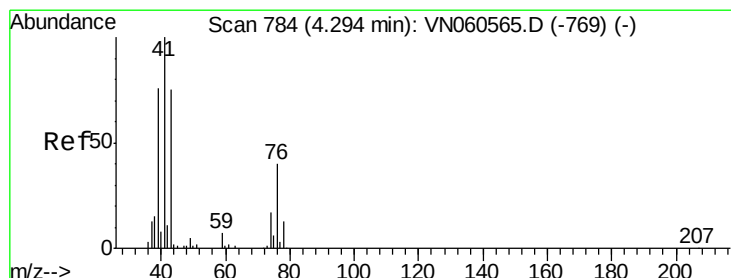
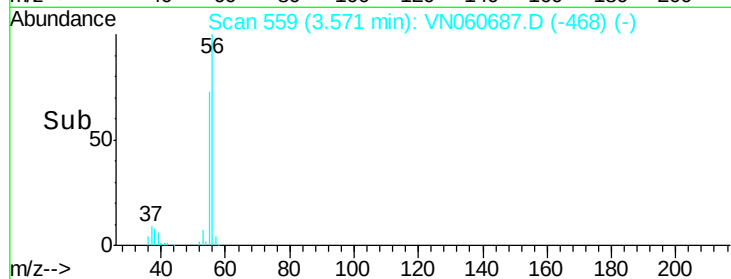
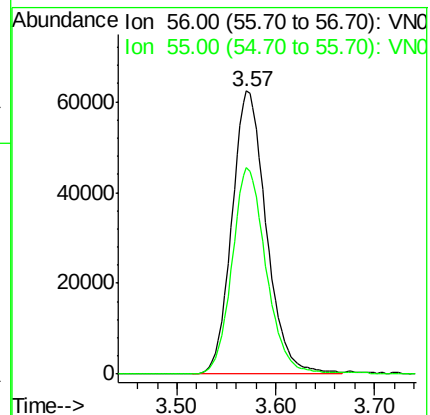
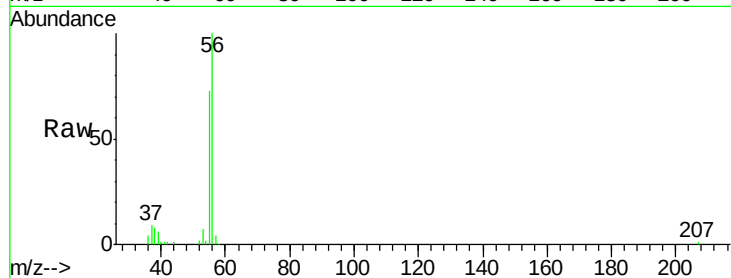
VSTDCCC050

Tgt Ion: 56 Resp: 151932

Ion Ratio Lower Upper

56 100

55 72.3 56.7 85.1



#14

Allyl chloride

Concen: 50.710 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

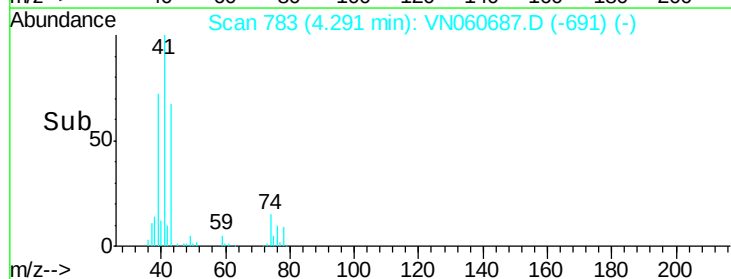
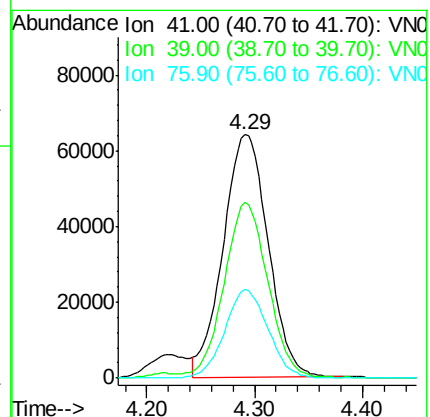
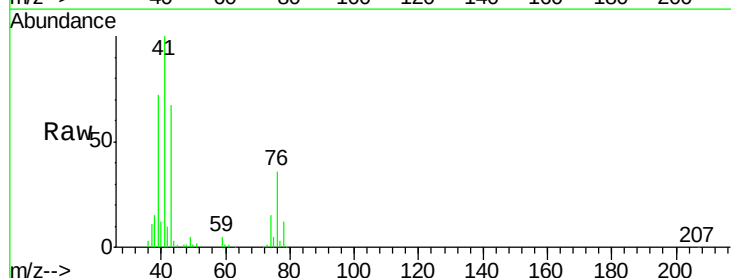
Tgt Ion: 41 Resp: 185895

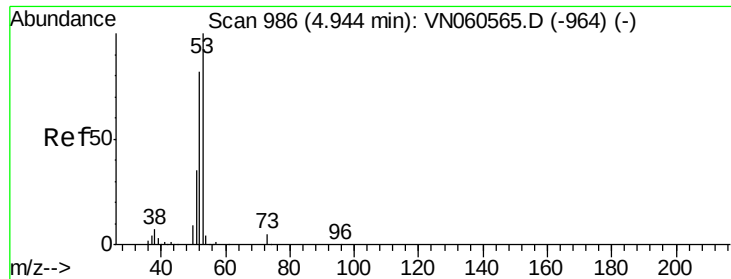
Ion Ratio Lower Upper

41 100

39 69.9 57.8 86.8

76 35.2 28.6 43.0





#15

Acrylonitrile

Concen: 259.385 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

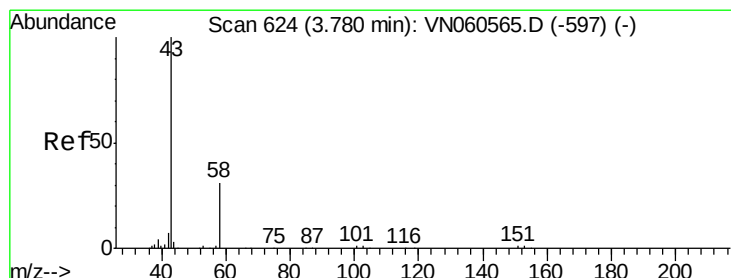
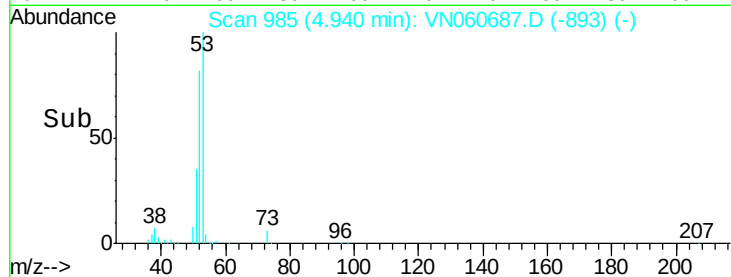
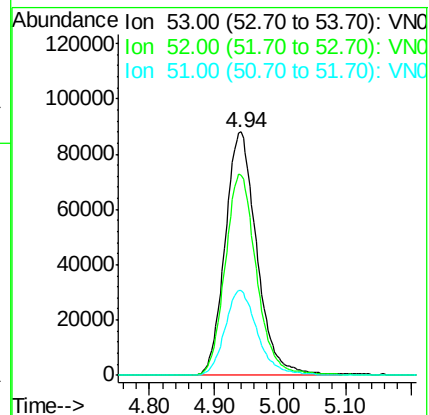
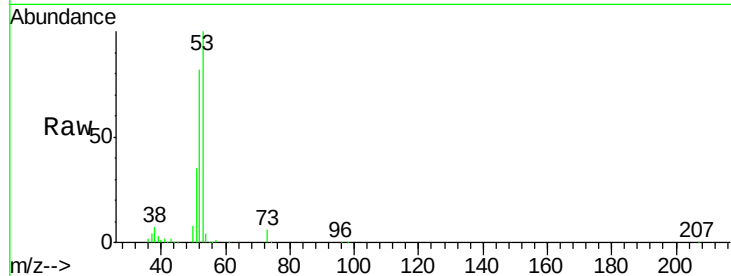
Tgt Ion: 53 Resp: 296450

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.4

51 36.0 28.7 43.1



#16

Acetone

Concen: 286.050 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN060687.D

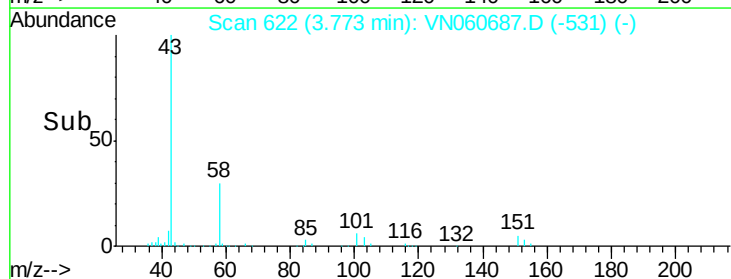
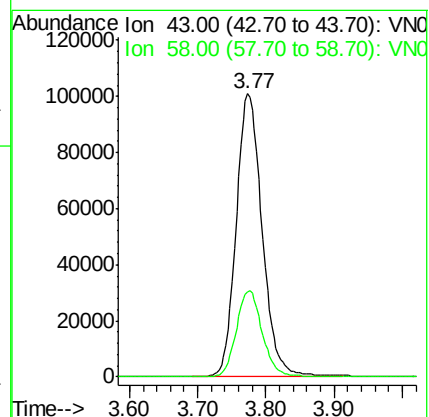
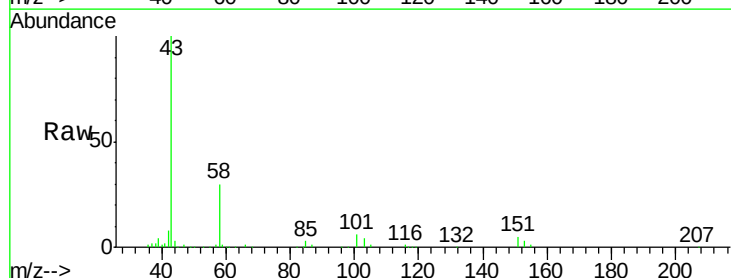
Acq: 25 Mar 2020 11:06

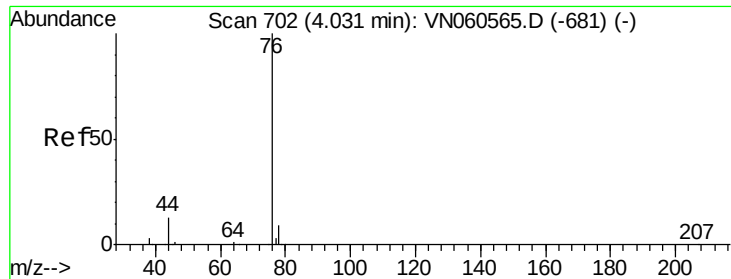
Tgt Ion: 43 Resp: 267773

Ion Ratio Lower Upper

43 100

58 30.1 25.1 37.7





#17

Carbon Disulfide

Concen: 49.689 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

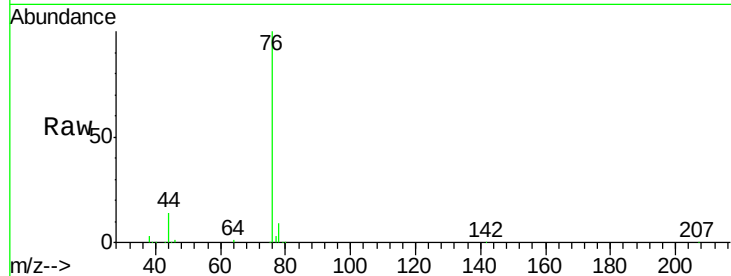
VSTDCCC050

Tgt Ion: 76 Resp: 314975

Ion Ratio Lower Upper

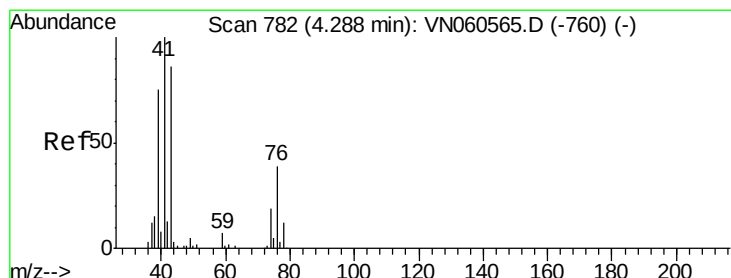
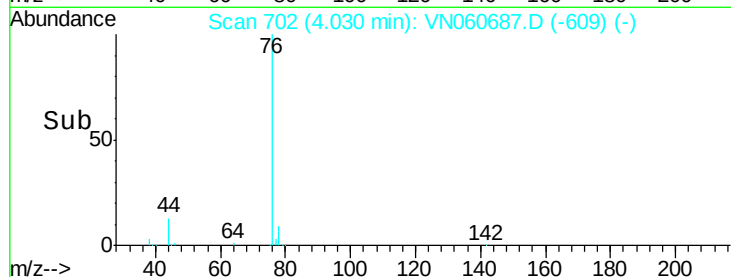
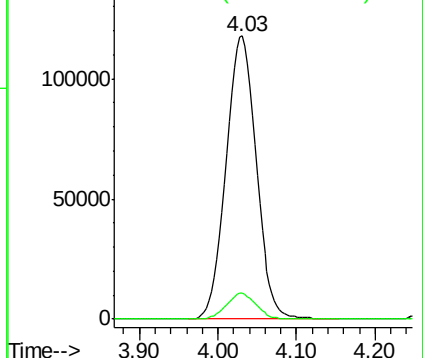
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.594 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060687.D

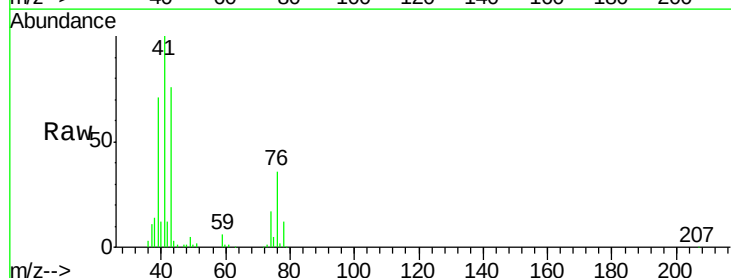
Acq: 25 Mar 2020 11:06

Tgt Ion: 43 Resp: 135944

Ion Ratio Lower Upper

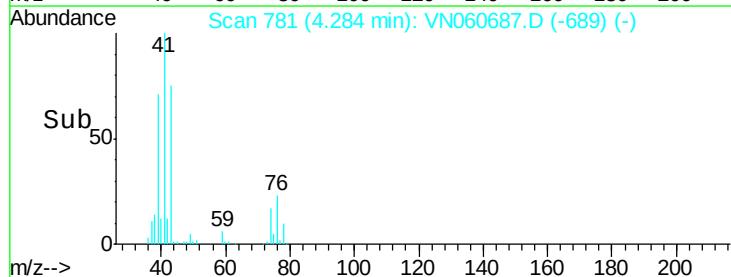
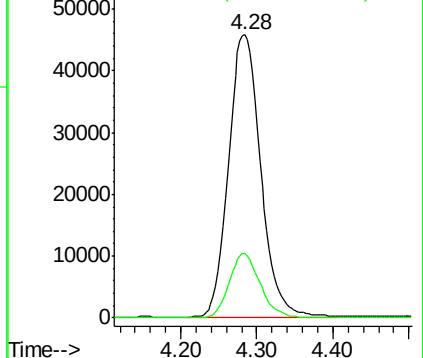
43 100

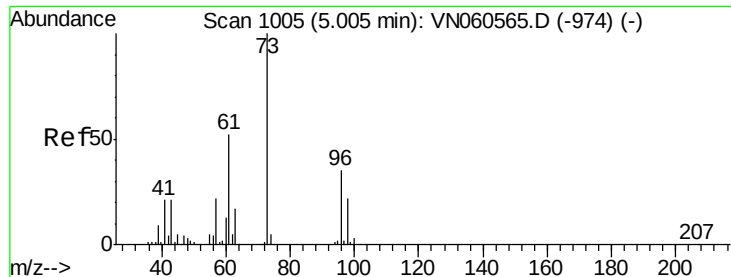
74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 50.588 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

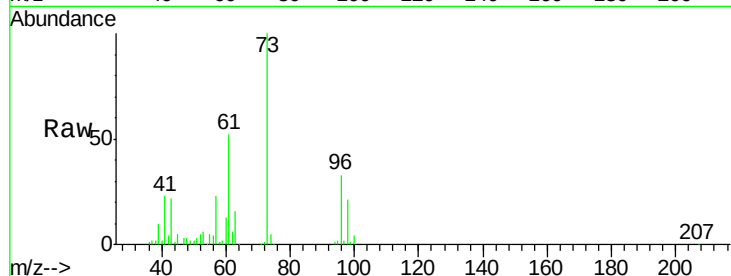
VSTDCCC050

Tgt Ion: 73 Resp: 362517

Ion Ratio Lower Upper

73 100

57 22.7 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) (-)

5.00

100000

80000

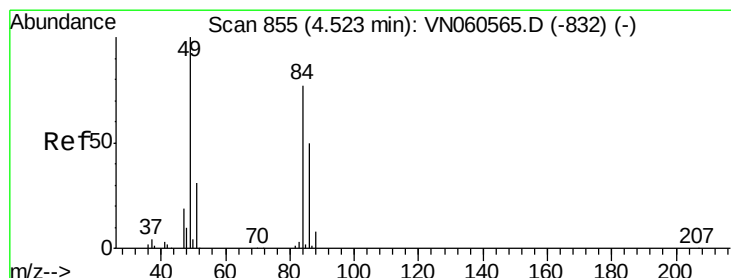
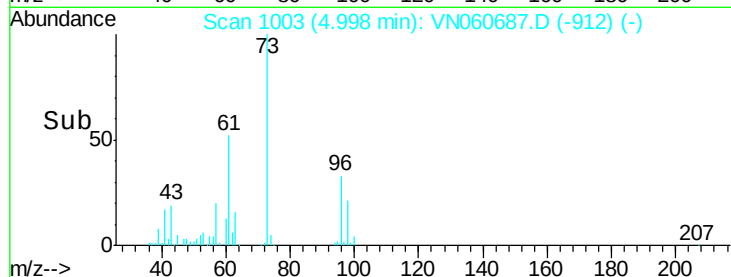
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 51.380 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Tgt Ion: 84 Resp: 118316

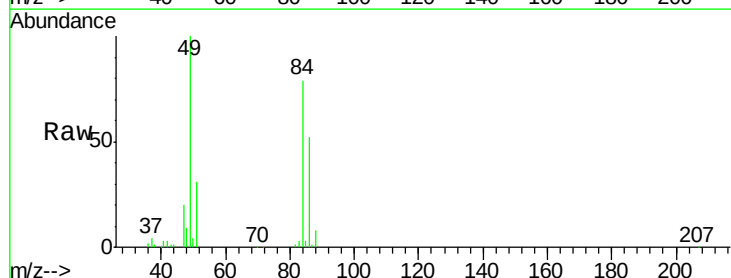
Ion Ratio Lower Upper

84 100

49 126.6 103.3 154.9

51 39.4 31.6 47.4

86 65.4 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) (-)

4.52

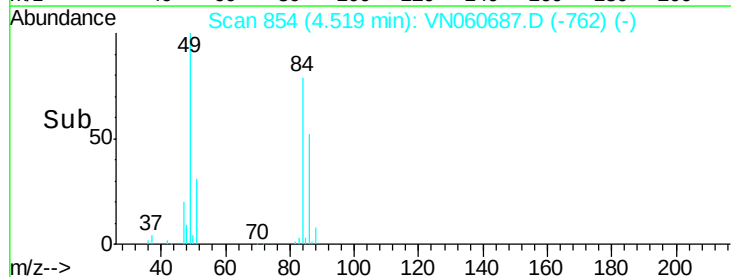
60000

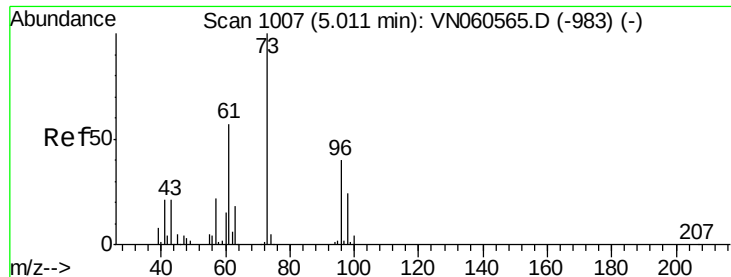
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.354 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

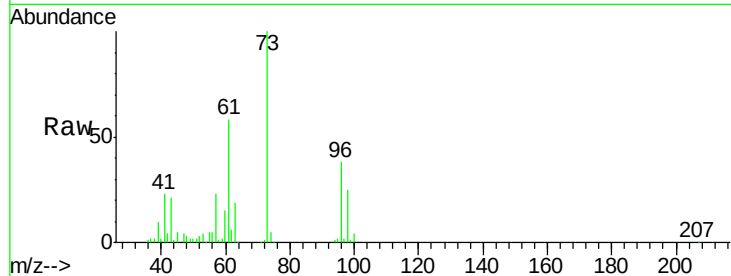
Tgt Ion: 96 Resp: 111857

Ion Ratio Lower Upper

96 100

61 152.3 114.4 171.6

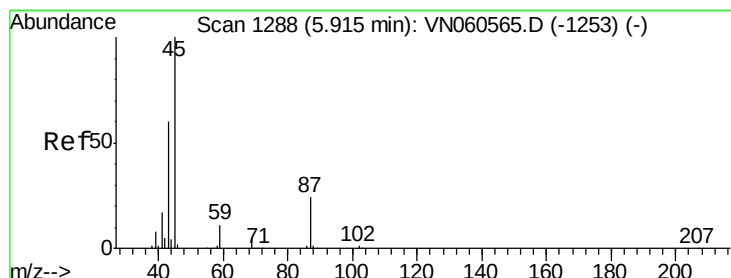
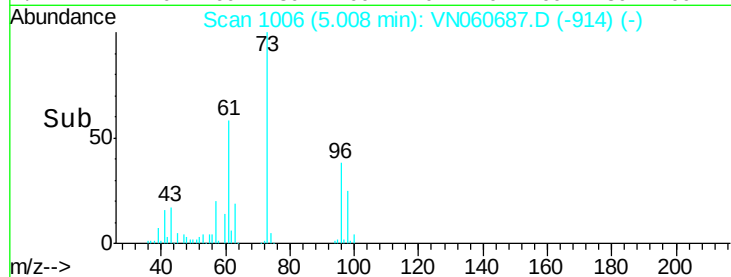
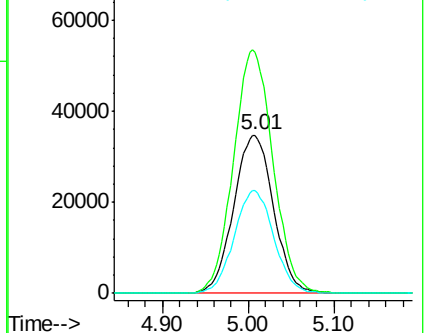
98 64.7 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060687.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN060687.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN060687.D (-983) (-)



#22

Diisopropyl ether

Concen: 52.847 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Tgt Ion: 45 Resp: 409283

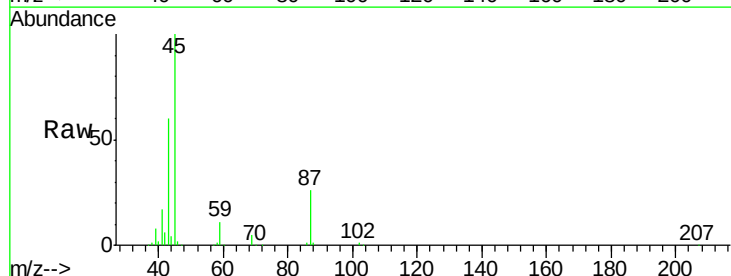
Ion Ratio Lower Upper

45 100

43 59.2 49.8 74.8

87 25.8 20.1 30.1

59 11.1 9.2 13.8

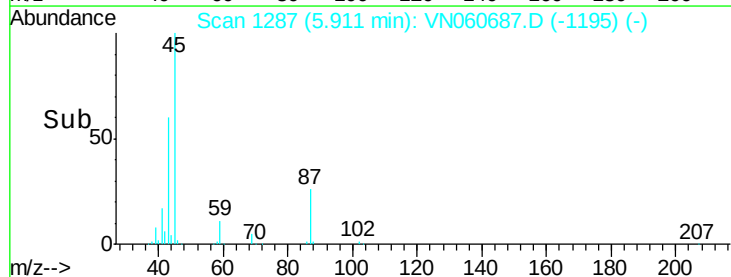
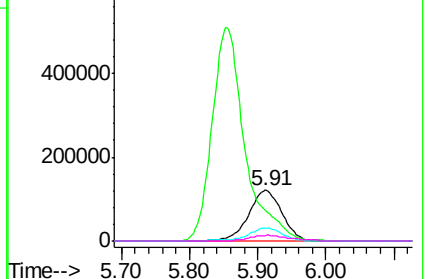


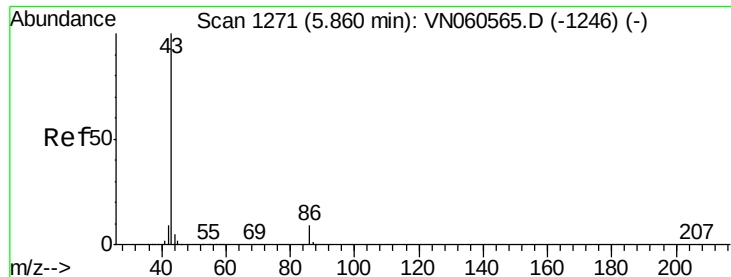
Abundance Ion 45.00 (44.70 to 45.70): VN060687.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060687.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060687.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060687.D (-1195) (-)

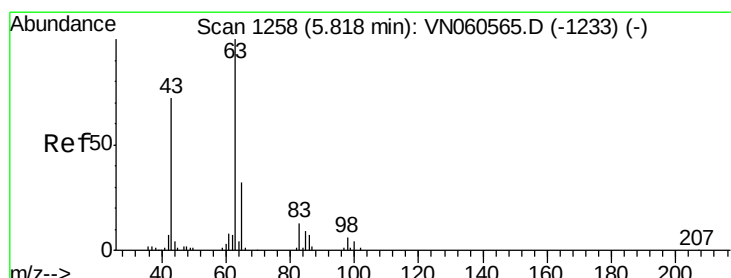
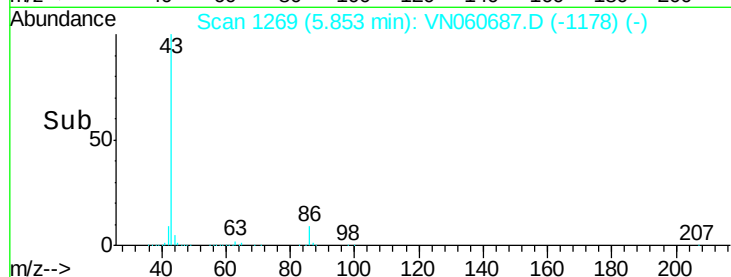
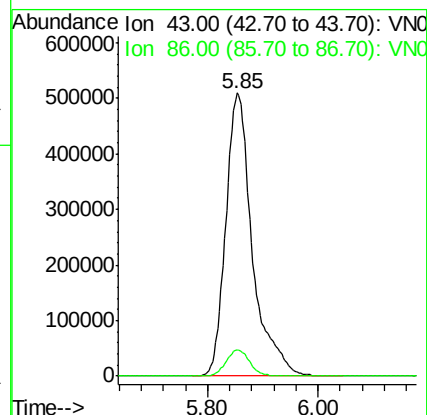
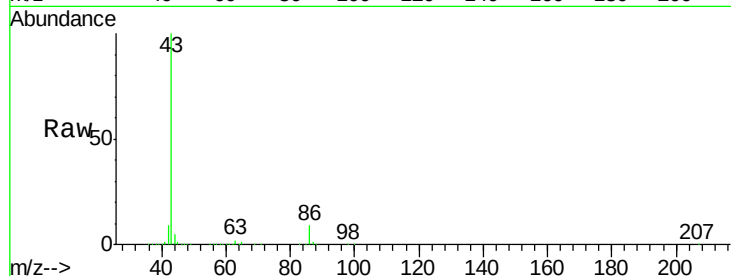




#23
 Vinyl Acetate
 Concen: 268.980 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

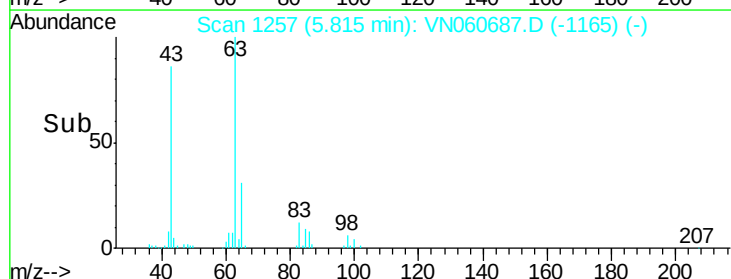
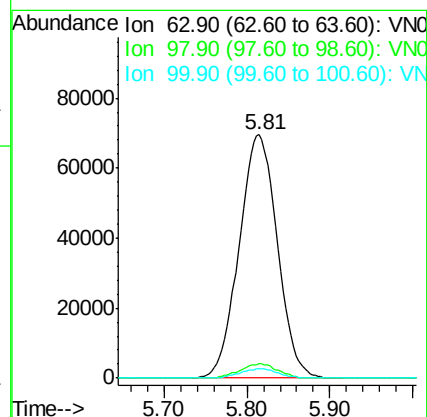
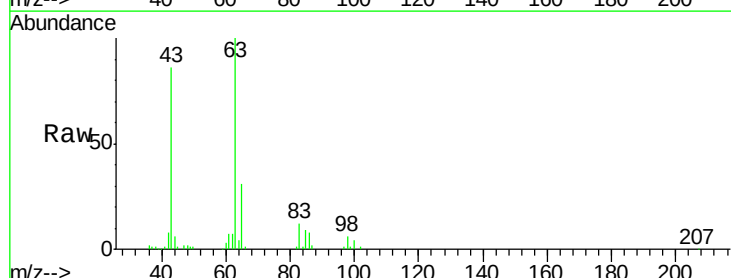
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

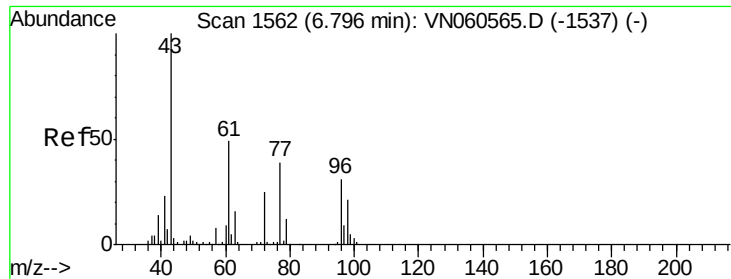
Tgt Ion: 43 Resp: 1699694
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 52.713 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 63 Resp: 222556
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.7
 100 3.9 1.8 5.5





#25

2-Butanone

Concen: 267.777 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

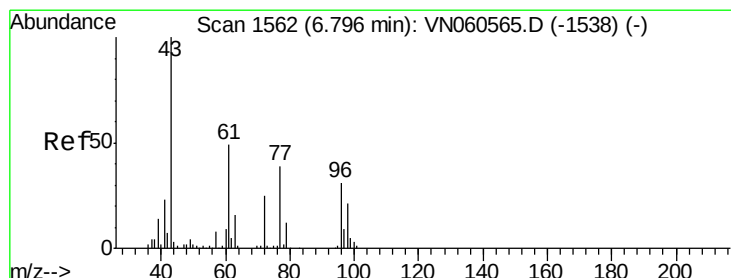
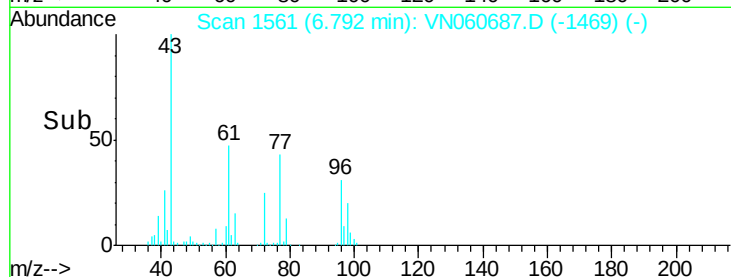
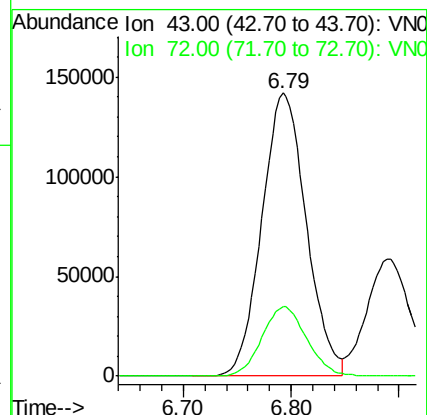
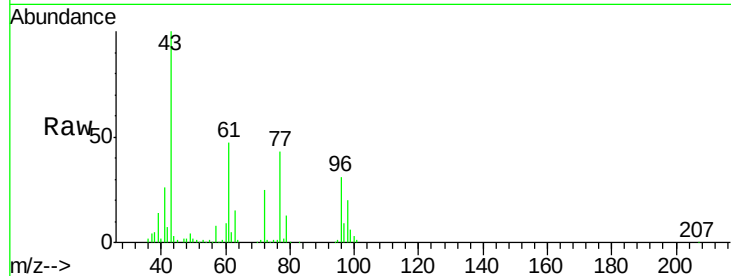
VSTDCCC050

Tgt Ion: 43 Resp: 405624

Ion Ratio Lower Upper

43 100

72 24.5 20.4 30.6



#26

2,2-Dichloropropane

Concen: 56.952 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060687.D

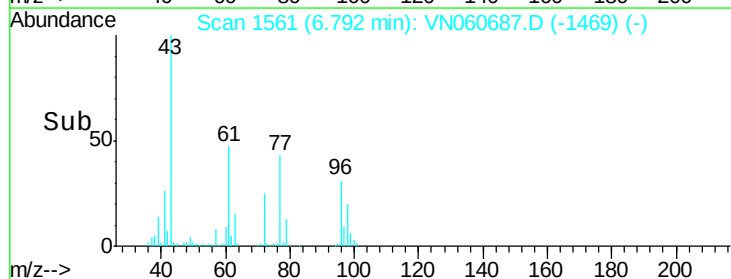
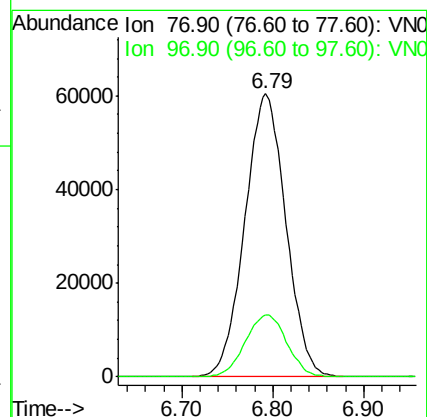
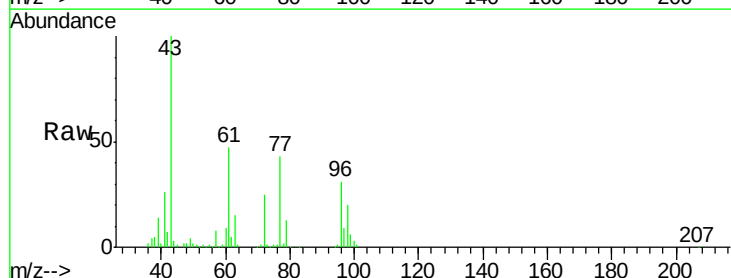
Acq: 25 Mar 2020 11:06

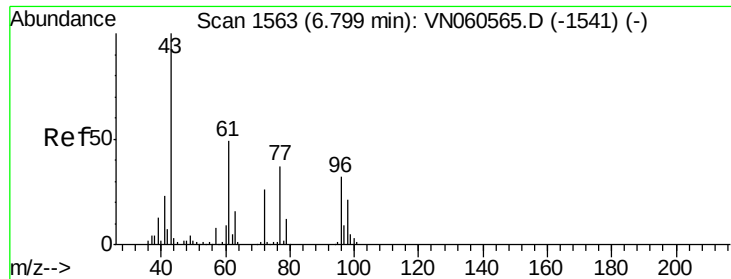
Tgt Ion: 77 Resp: 189184

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.1

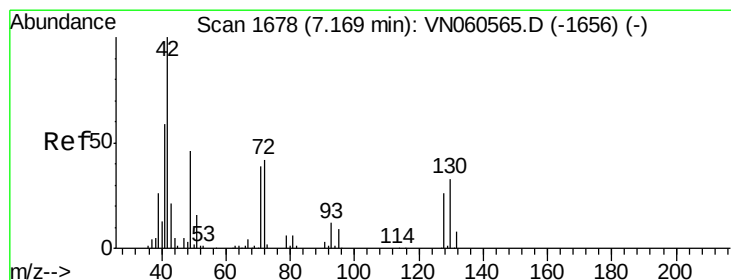
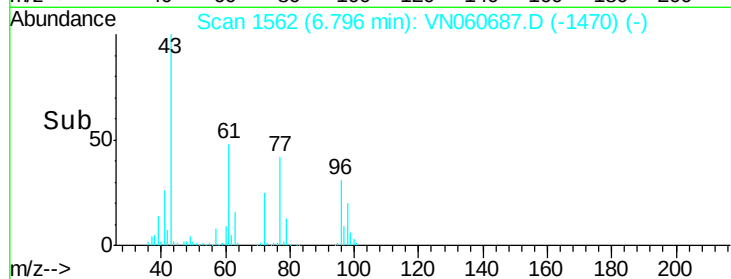
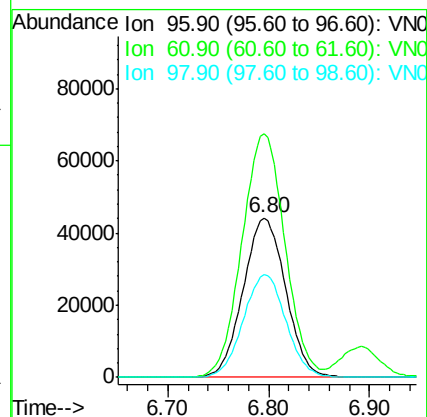
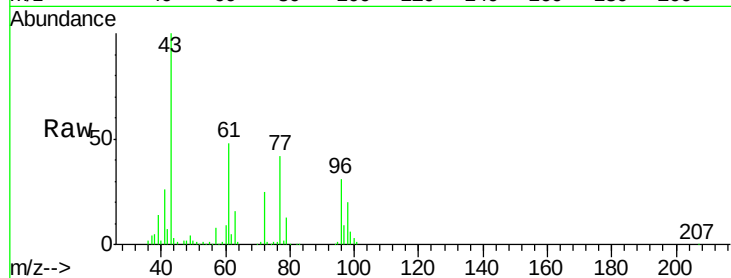




#27
 cis-1,2-Dichloroethene
 Concen: 51.115 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

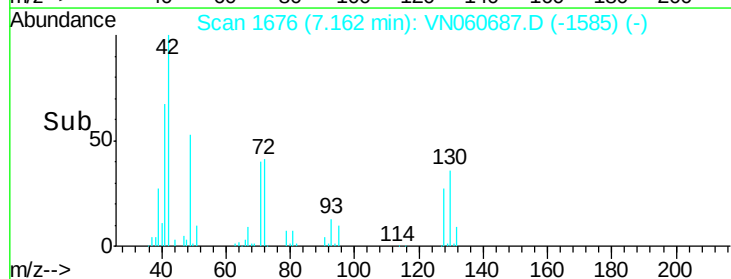
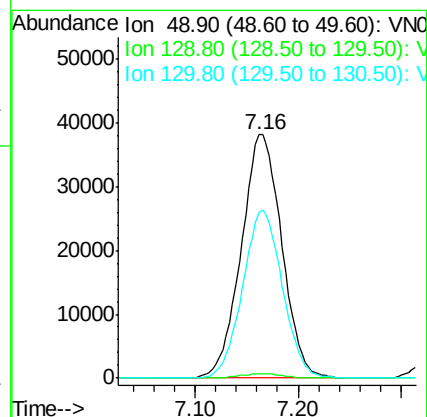
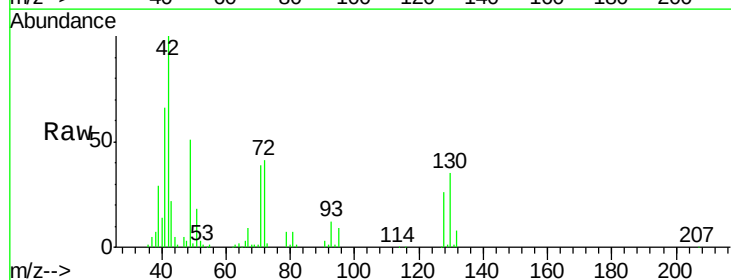
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

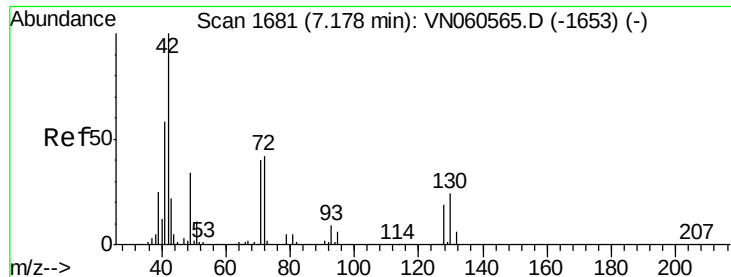
Tgt Ion: 96 Resp: 129031
 Ion Ratio Lower Upper
 96 100
 61 154.9 0.0 305.6
 98 64.7 0.0 127.6



#28
 Bromochloromethane
 Concen: 51.500 ug/l
 RT: 7.16 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 49 Resp: 104030
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.4
 130 67.7 55.0 82.4





#29

Tetrahydrofuran

Concen: 248.846 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

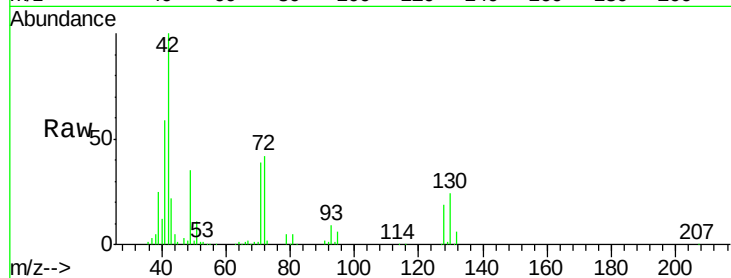
Tgt Ion: 42 Resp: 266706

Ion Ratio Lower Upper

42 100

72 40.6 33.2 49.8

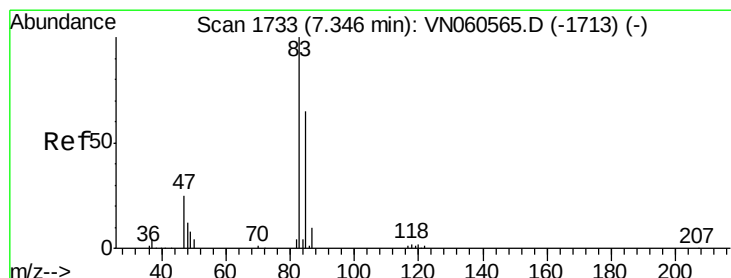
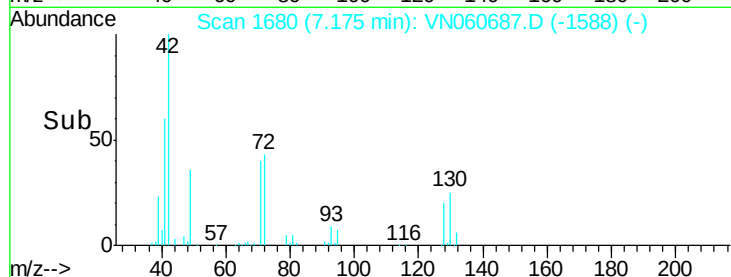
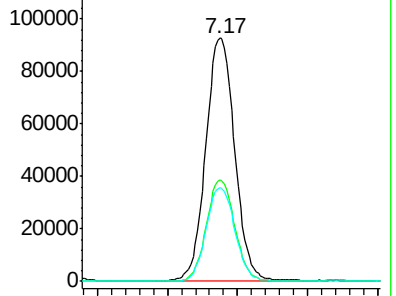
71 38.2 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN060565.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN060565.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN060565.D (-1653) (-)



#30

Chloroform

Concen: 51.670 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060687.D

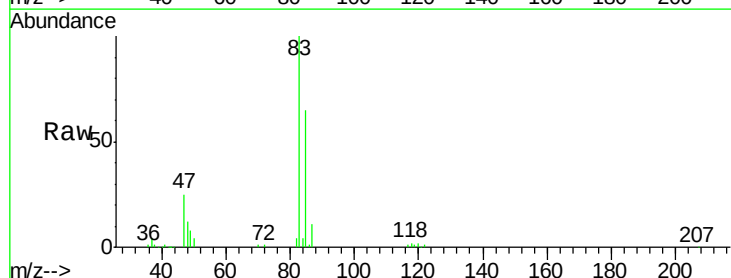
Acq: 25 Mar 2020 11:06

Tgt Ion: 83 Resp: 209134

Ion Ratio Lower Upper

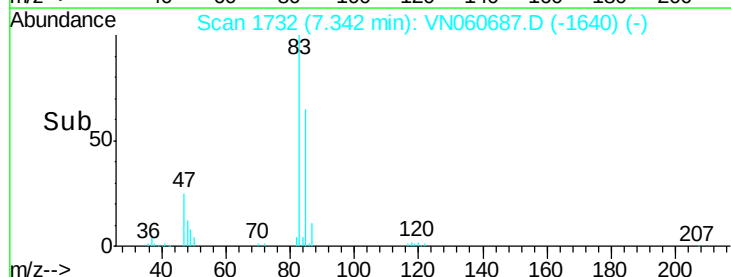
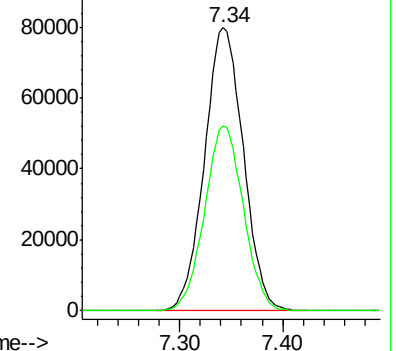
83 100

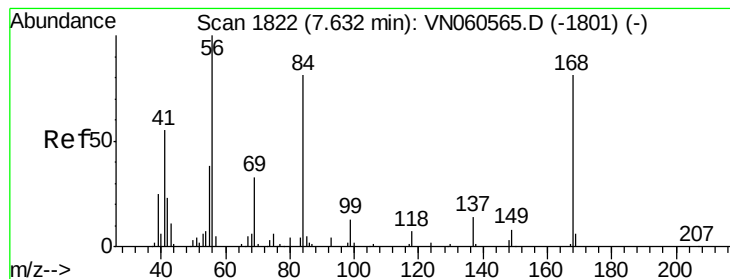
85 65.3 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-1713) (-)





#31

Cyclohexane

Concen: 49.203 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

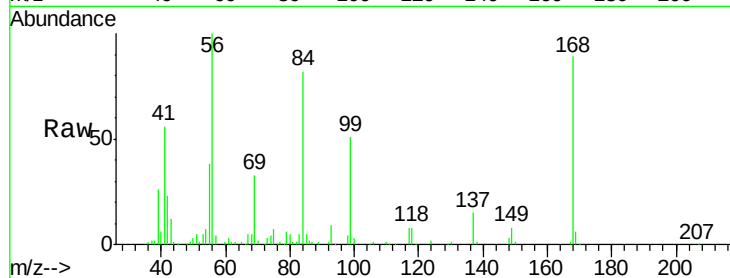
Tgt Ion: 56 Resp: 209430

Ion Ratio Lower Upper

56 100

69 33.0 26.6 40.0

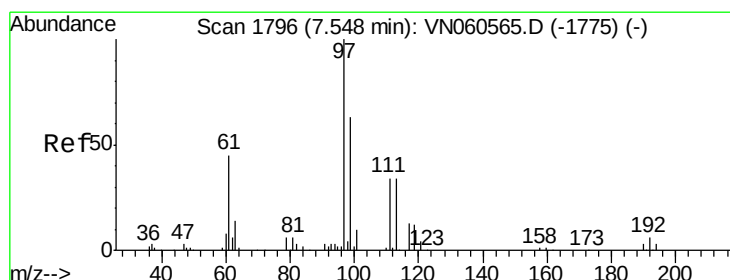
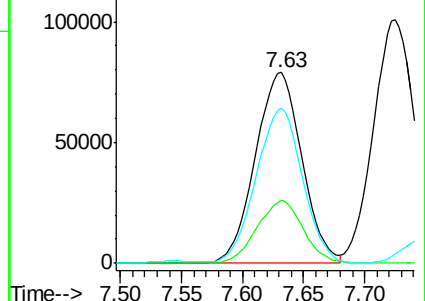
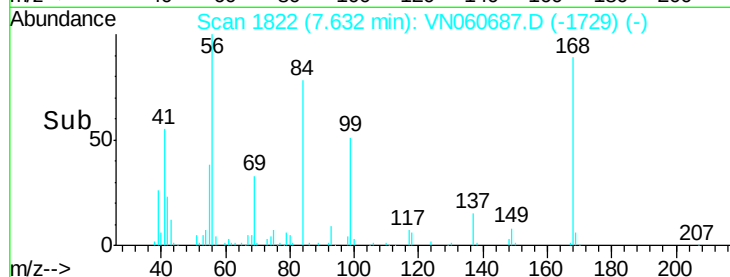
84 80.4 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060687.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060687.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060687.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 51.642 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

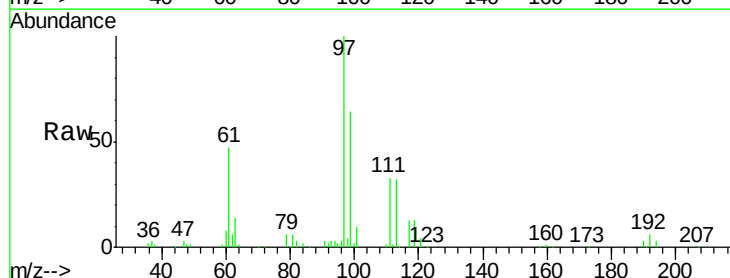
Tgt Ion: 97 Resp: 180190

Ion Ratio Lower Upper

97 100

99 64.8 50.6 75.8

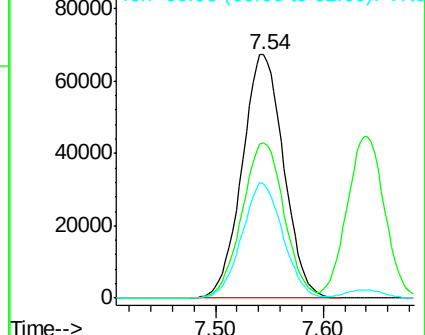
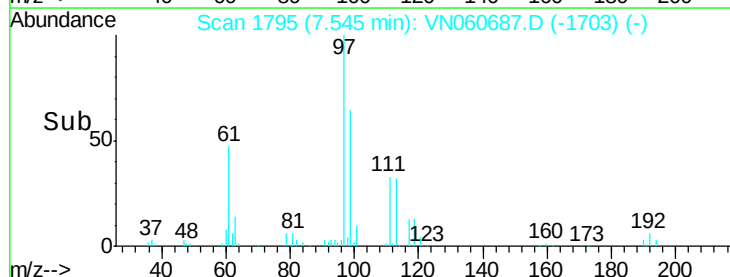
61 46.6 36.2 54.4

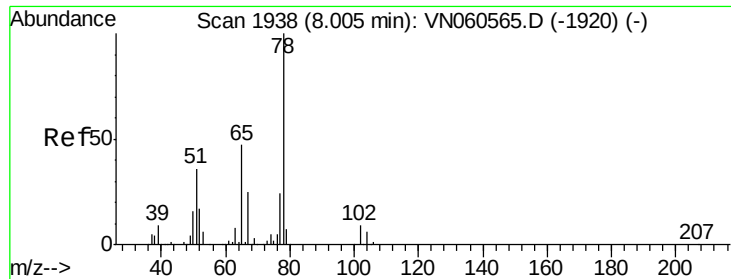


Abundance Ion 96.90 (96.60 to 97.60): VN060687.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060687.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060687.D (-1703) (-)

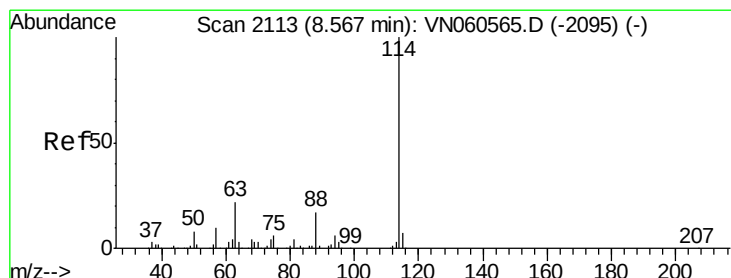
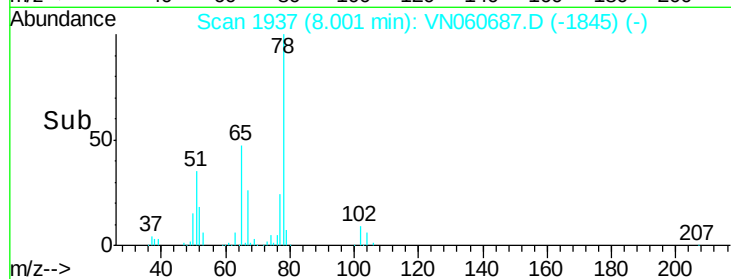
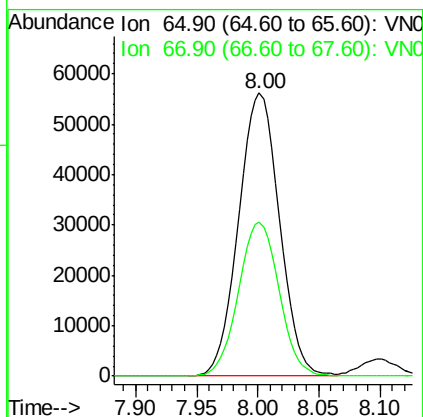
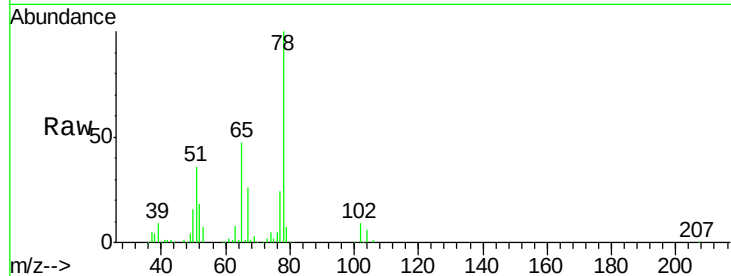




#33
 1,2-Dichloroethane-d4
 Concen: 49.318 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

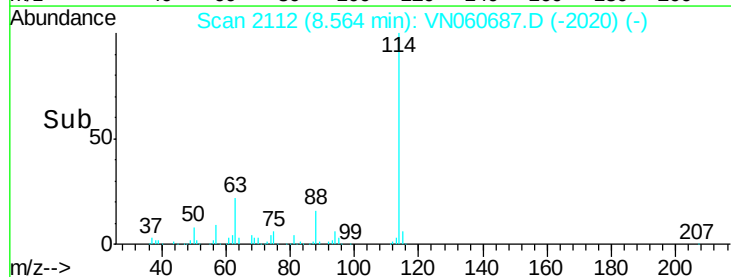
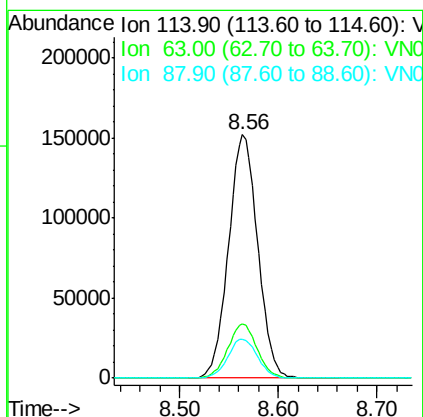
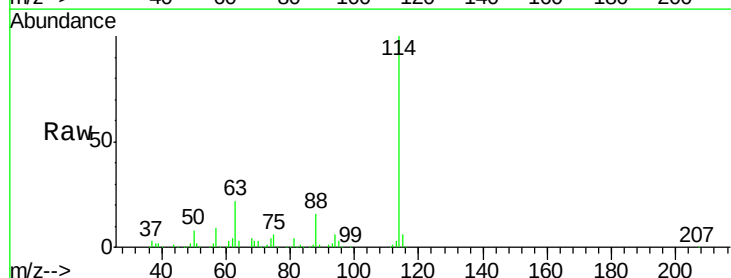
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

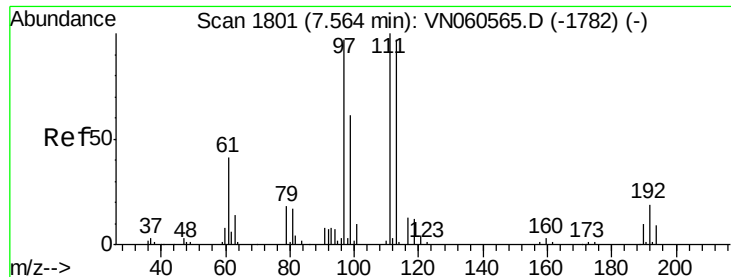
Tgt Ion: 65 Resp: 130335
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 114 Resp: 312816
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.1 0.0 33.0

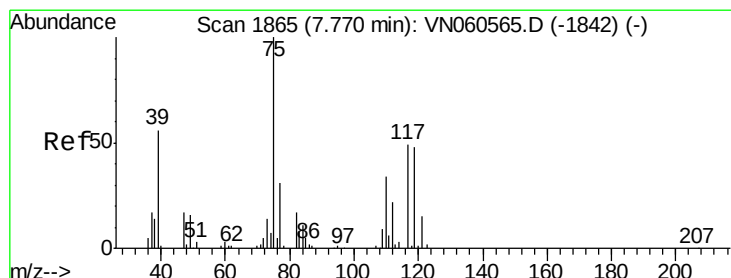
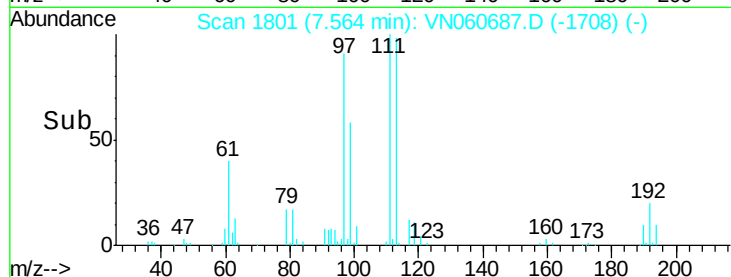
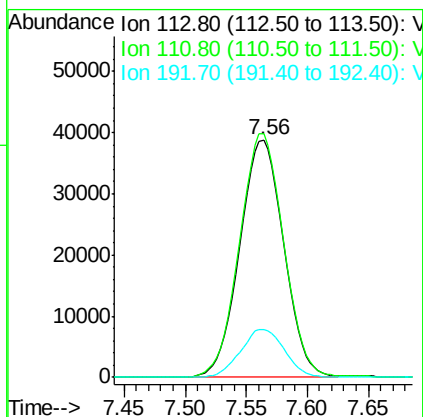
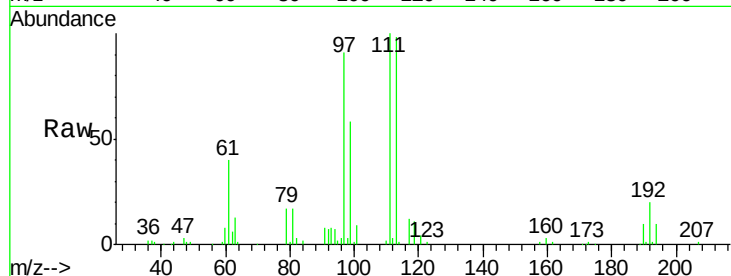




#35
Dibromofluoromethane
Concen: 51.281 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

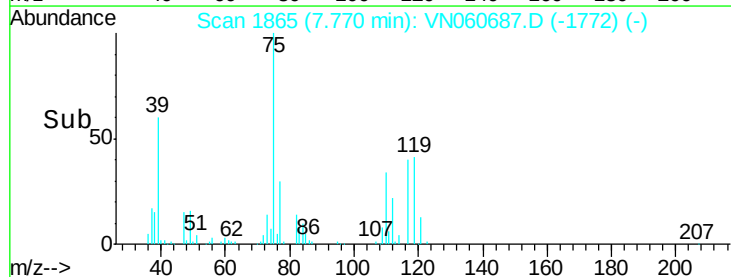
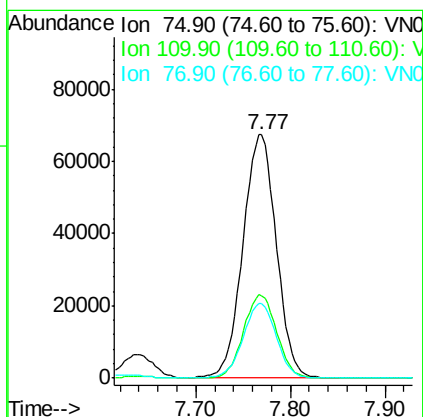
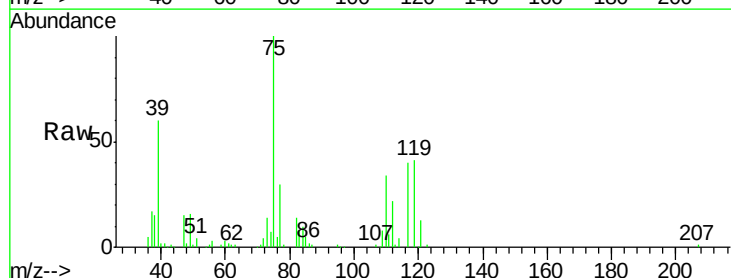
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

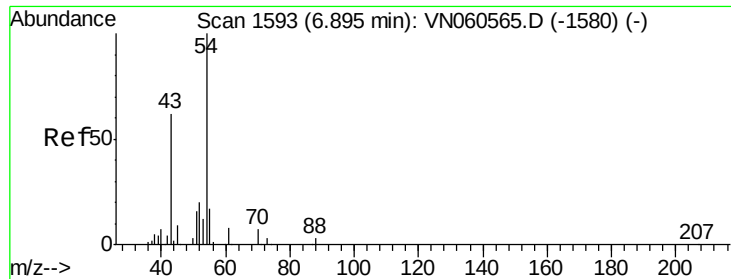
Tgt Ion:113 Resp: 96998
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 20.2 15.8 23.8



#36
1,1-Dichloropropene
Concen: 54.573 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion: 75 Resp: 165304
Ion Ratio Lower Upper
75 100
110 34.0 16.9 50.6
77 30.5 24.6 36.8

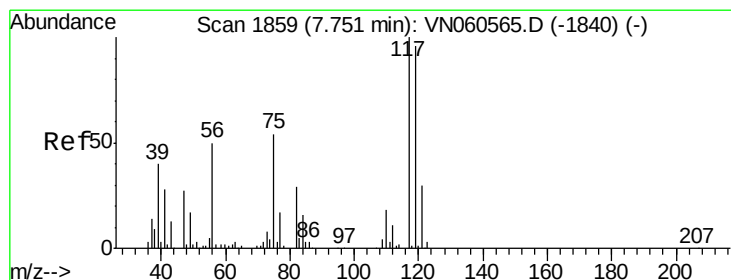
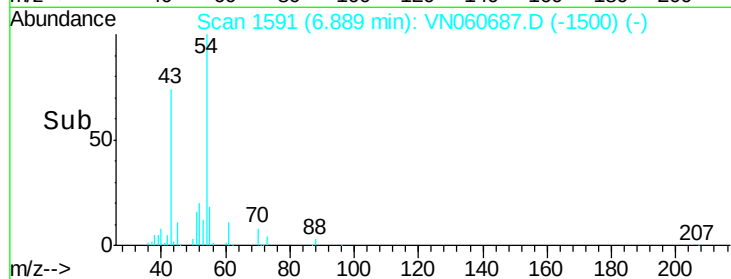
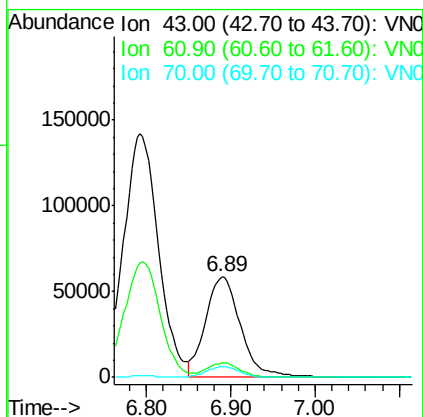
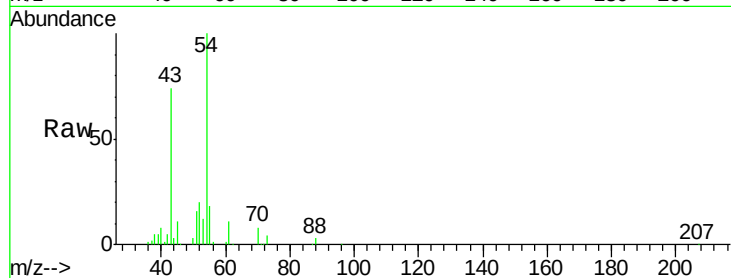




#37
 Ethyl Acetate
 Concen: 51.320 ug/l
 RT: 6.89 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

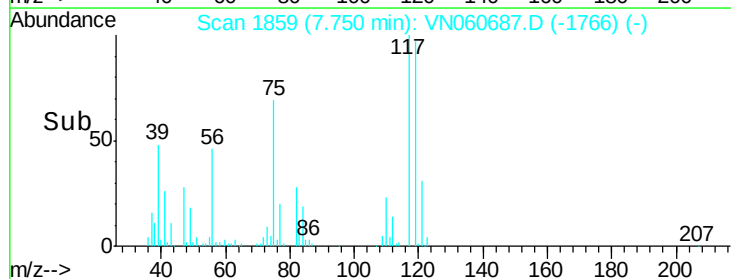
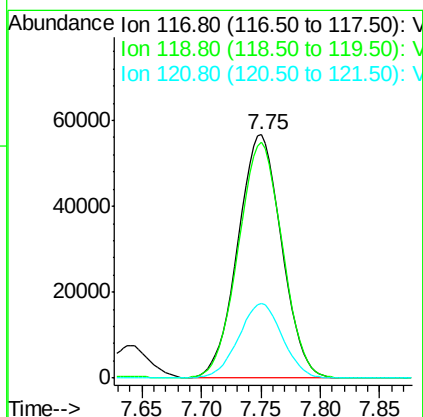
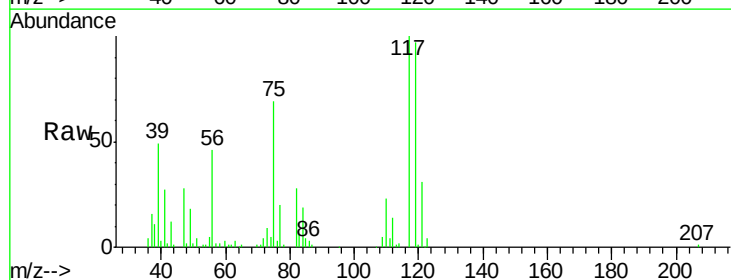
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

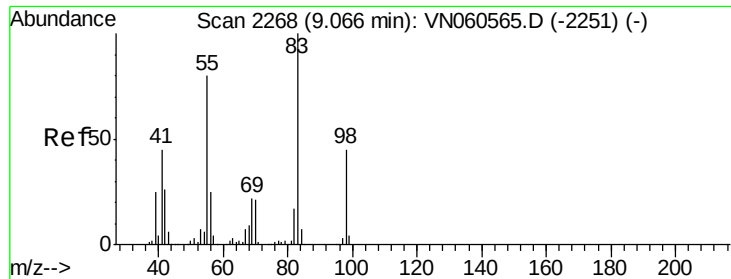
Tgt Ion: 43 Resp: 167968
 Ion Ratio Lower Upper
 43 100
 61 13.8 10.6 15.8
 70 10.3 7.9 11.9



#38
 Carbon Tetrachloride
 Concen: 53.300 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 117 Resp: 144697
 Ion Ratio Lower Upper
 117 100
 119 96.8 76.2 114.2
 121 30.8 23.7 35.5

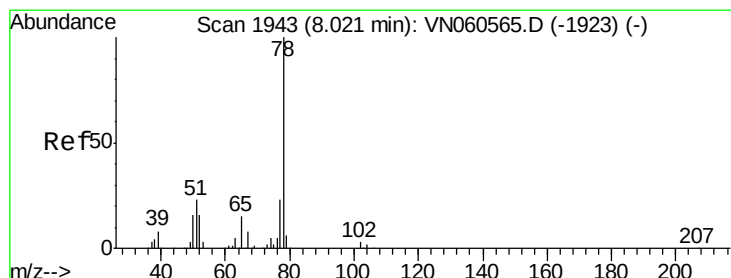
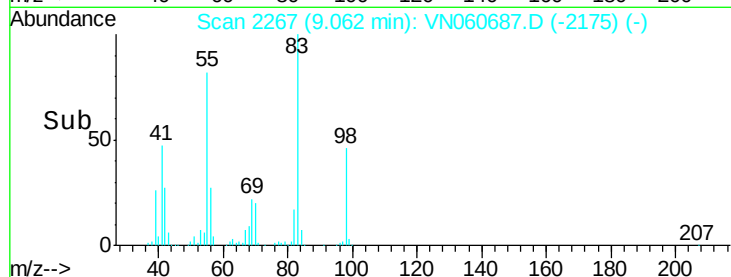
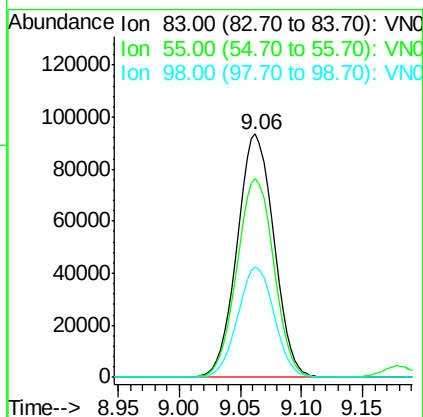
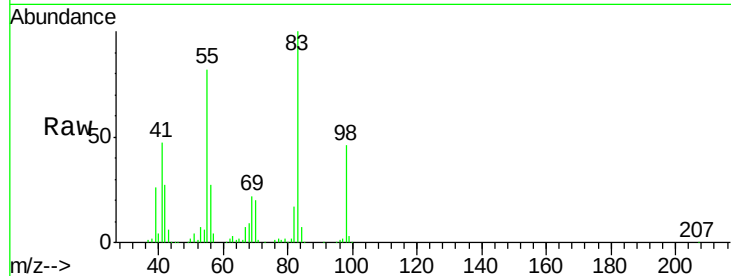




#39
Methylcyclohexane
Concen: 54.314 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

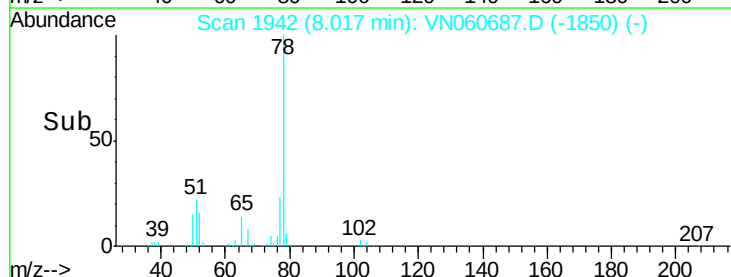
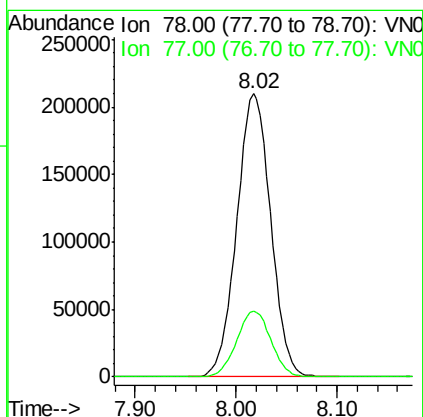
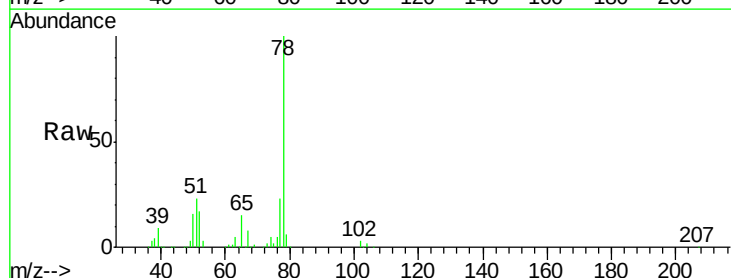
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

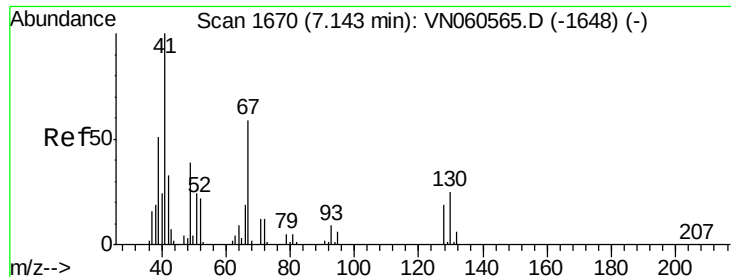
Tgt Ion: 83 Resp: 195509
Ion Ratio Lower Upper
83 100
55 81.5 63.6 95.4
98 45.5 36.0 54.0



#40
Benzene
Concen: 53.383 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion: 78 Resp: 488126
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0

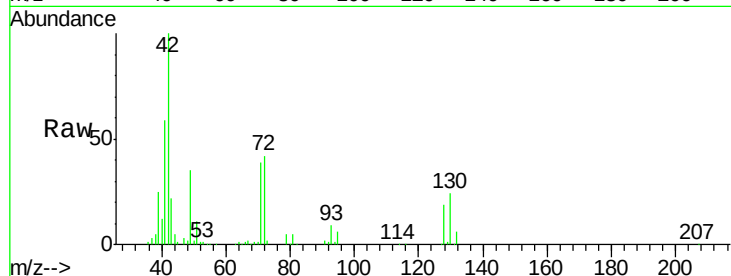




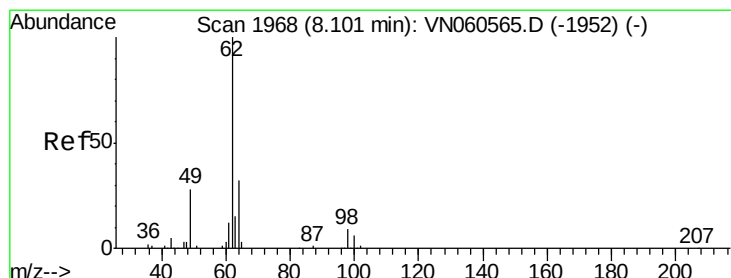
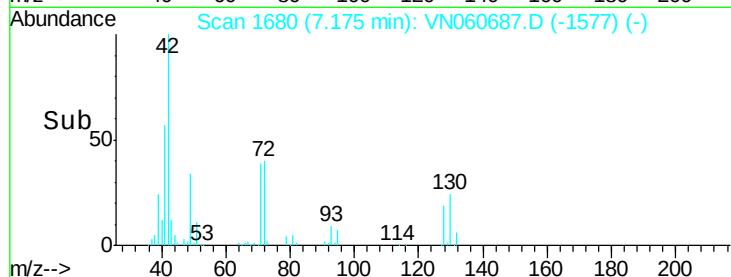
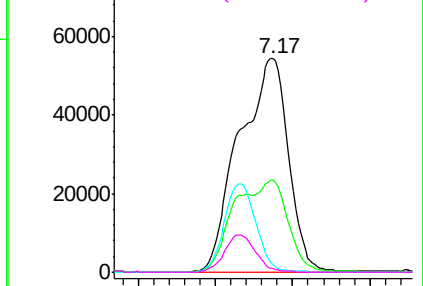
#41
Methacrylonitrile
Concen: 171.762 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	239916
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

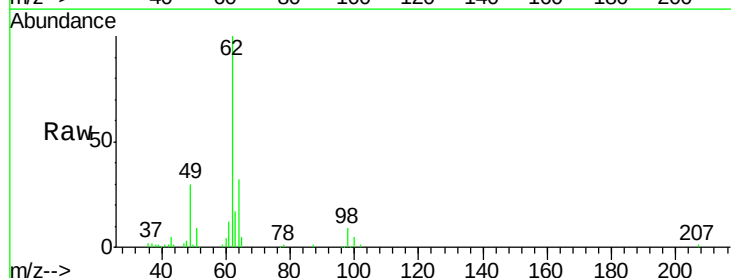


Abundance Ion 41.00 (40.70 to 41.70): VN060687.D (-1680) (-)

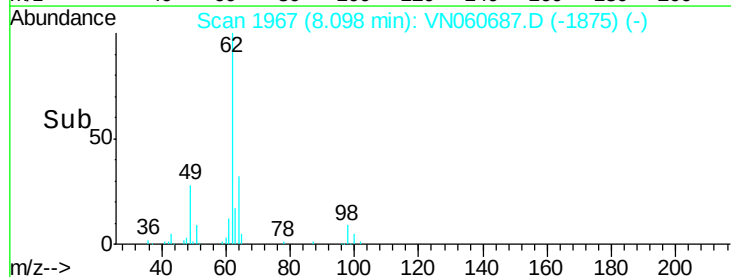
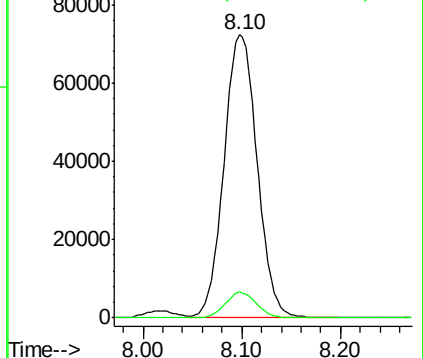


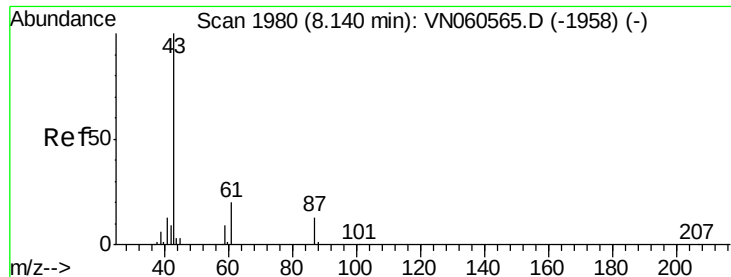
#42
1,2-Dichloroethane
Concen: 54.254 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion:	62	Resp:	169541
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060687.D (-1967) (-)





#43

Isopropyl Acetate

Concen: 53.273 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

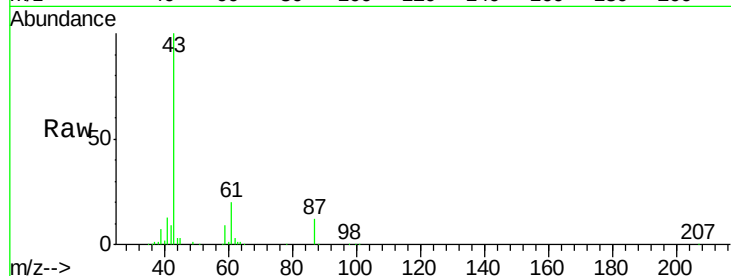
Tgt Ion: 43 Resp: 287549

Ion Ratio Lower Upper

43 100

61 25.3 20.7 31.1

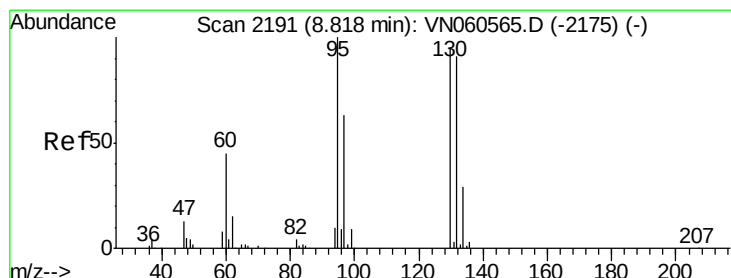
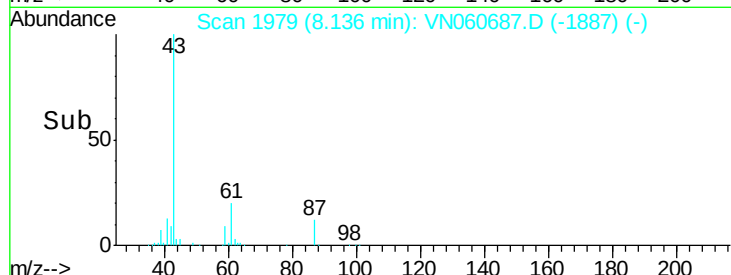
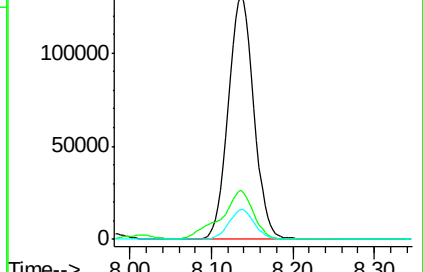
87 12.1 9.8 14.8



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: 54.130 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060687.D

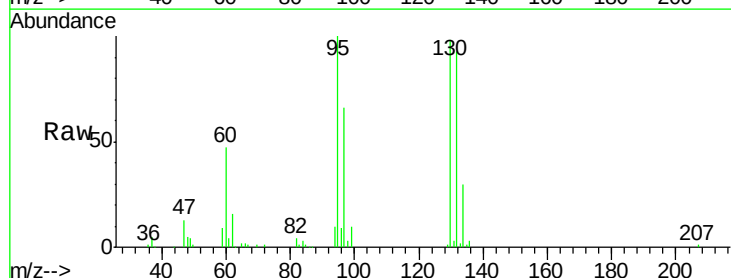
Acq: 25 Mar 2020 11:06

Tgt Ion: 130 Resp: 124773

Ion Ratio Lower Upper

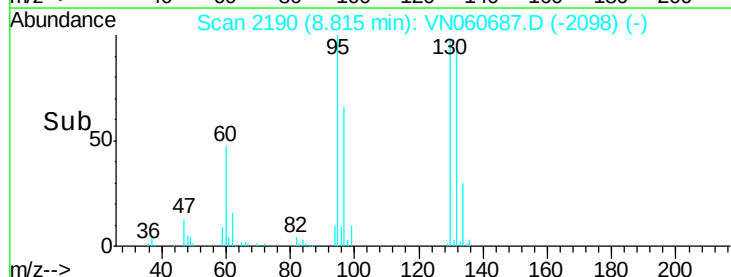
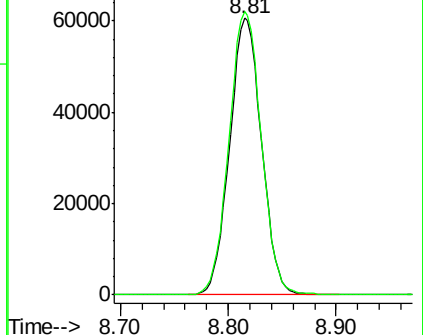
130 100

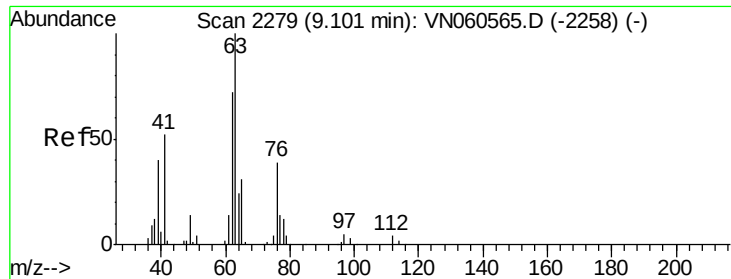
95 102.3 0.0 211.2



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

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

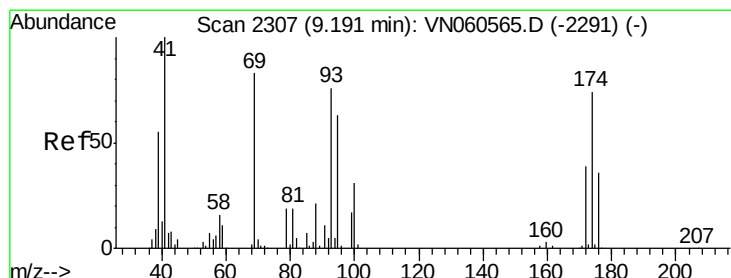
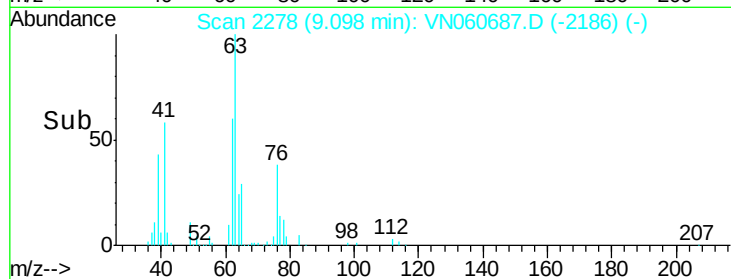
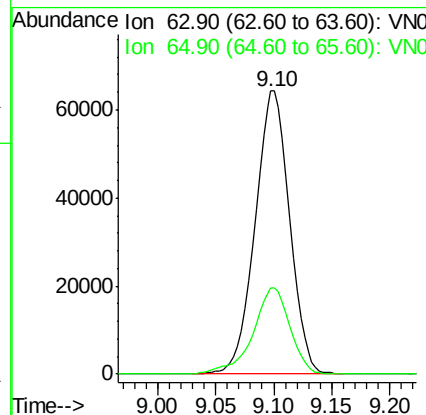
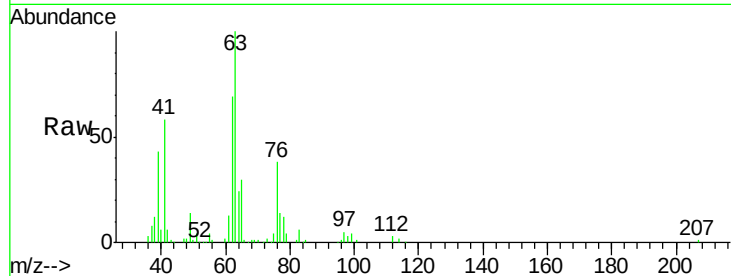




#45
 1,2-Dichloropropane
 Concen: 55.280 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

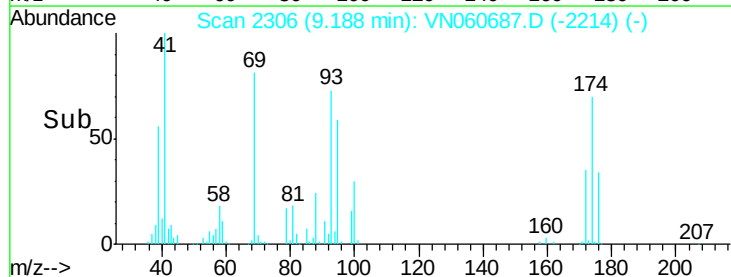
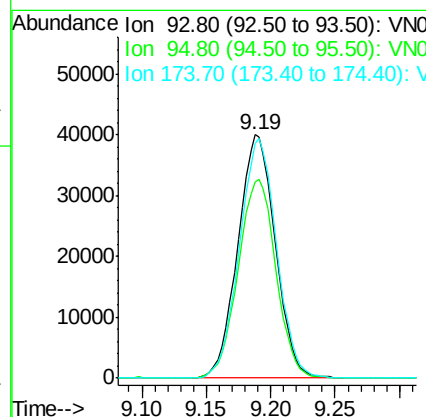
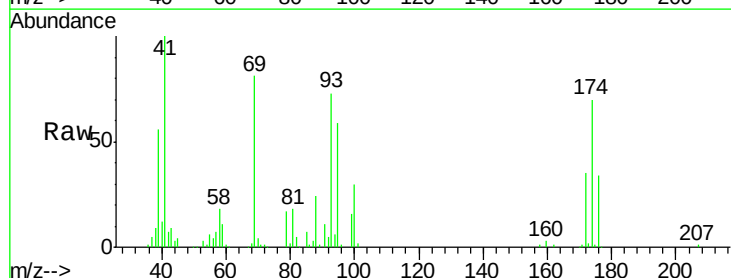
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

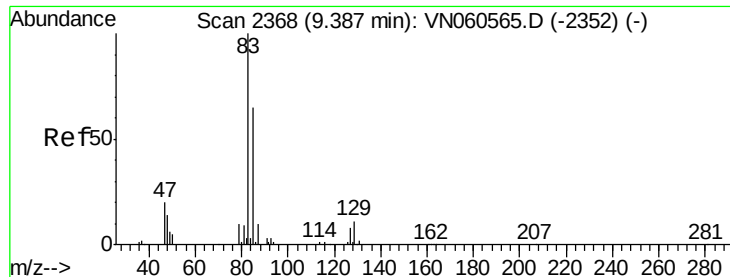
Tgt Ion: 63 Resp: 133378
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.4 38.0



#46
 Dibromomethane
 Concen: 55.356 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 93 Resp: 80746
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.2 99.4
 174 97.7 77.9 116.9





#47

Bromodichloromethane

Concen: 55.327 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

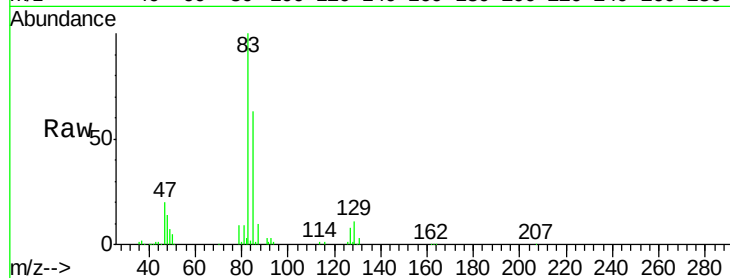
Tgt Ion: 83 Resp: 167702

Ion Ratio Lower Upper

83 100

85 62.7 51.8 77.6

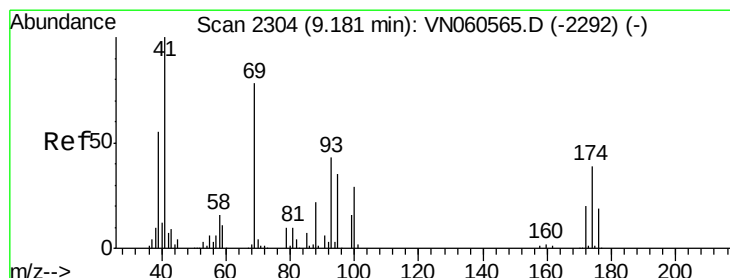
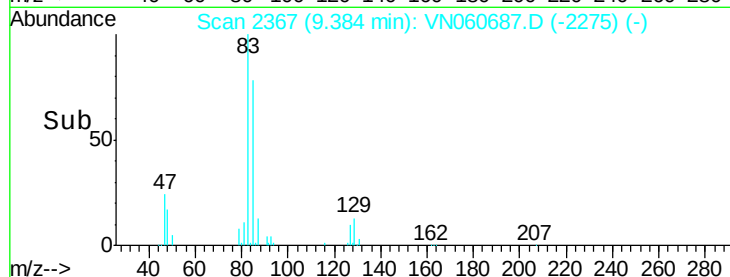
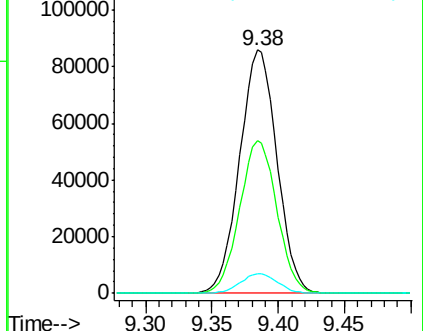
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060687.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060687.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060687.D (-2275) (-)



#48

Methyl methacrylate

Concen: 53.052 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

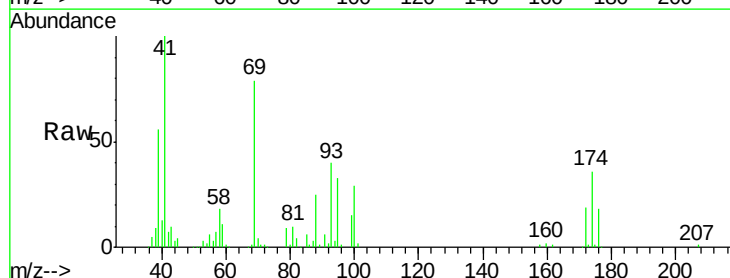
Tgt Ion: 41 Resp: 127495

Ion Ratio Lower Upper

41 100

69 81.8 65.4 98.0

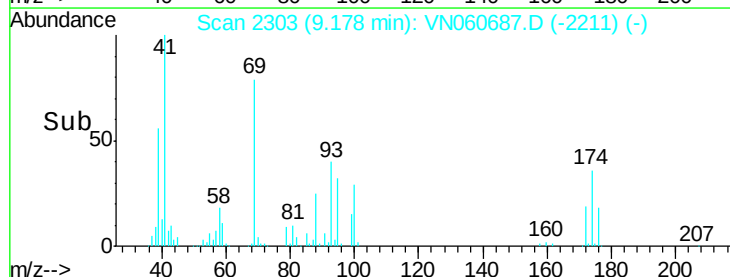
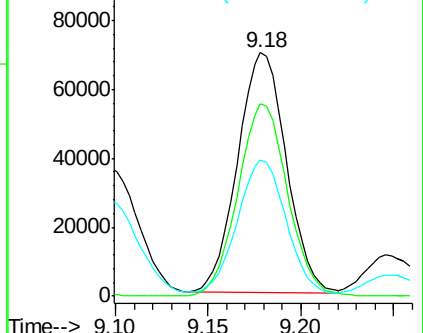
39 58.2 44.0 66.0

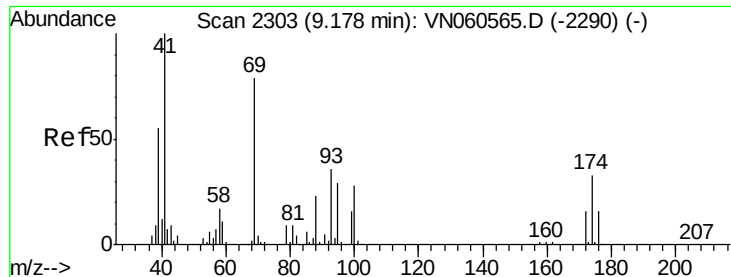


Abundance Ion 41.00 (40.70 to 41.70): VN060687.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060687.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060687.D (-2211) (-)

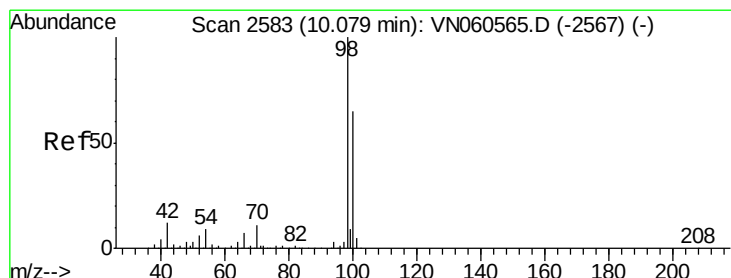
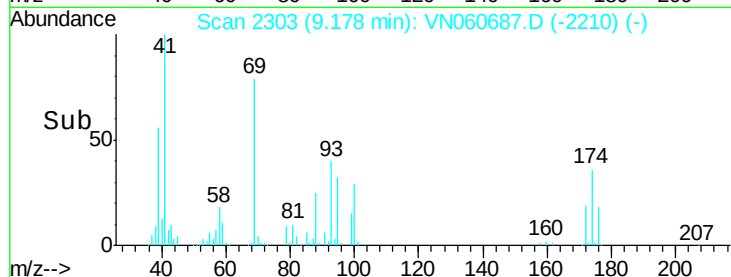
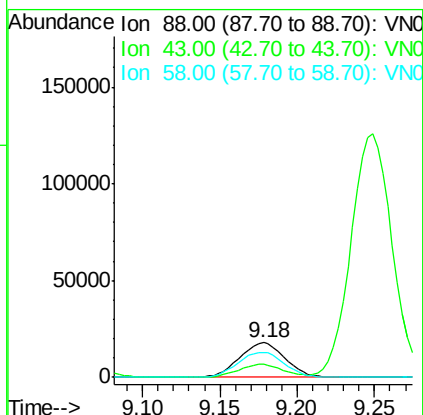
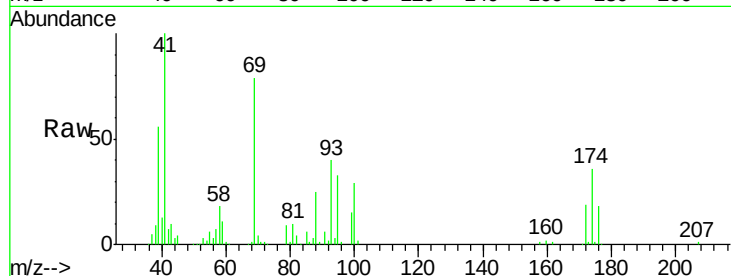




#49
 1,4-Dioxane
 Concen: 1280.486 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

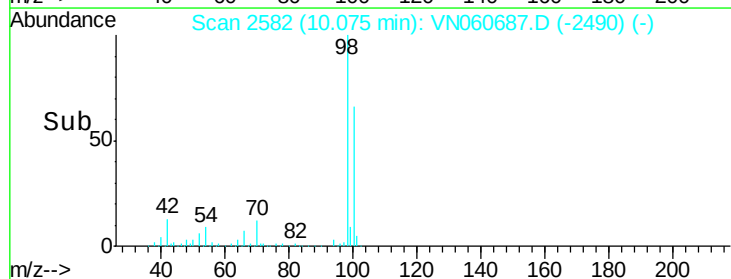
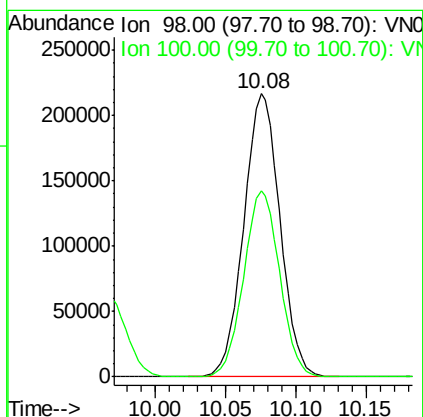
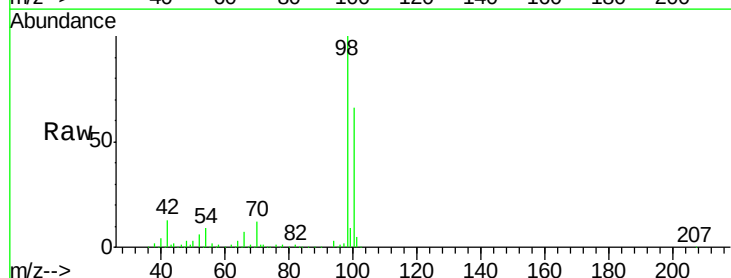
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

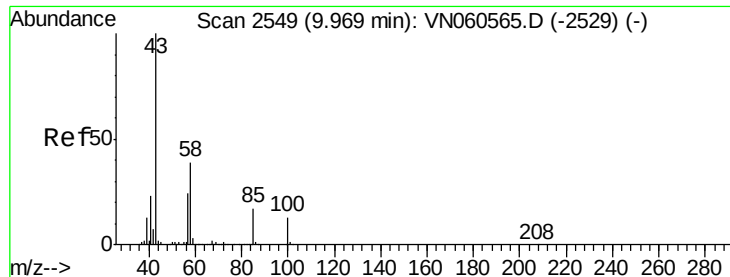
Tgt Ion: 88 Resp: 36577
 Ion Ratio Lower Upper
 88 100
 43 35.2 30.8 46.2
 58 74.0 59.8 89.8



#50
 Toluene-d8
 Concen: 50.392 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 98 Resp: 389333
 Ion Ratio Lower Upper
 98 100
 100 65.6 51.8 77.8

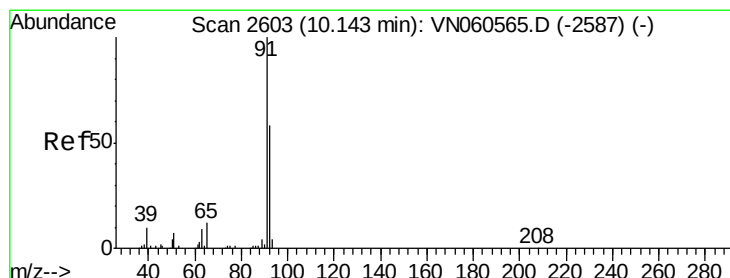
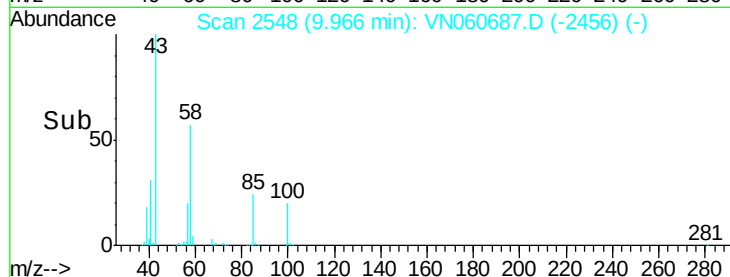
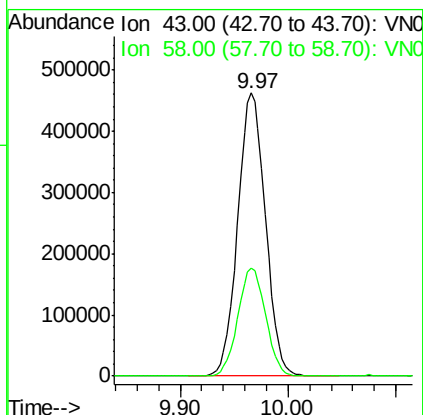
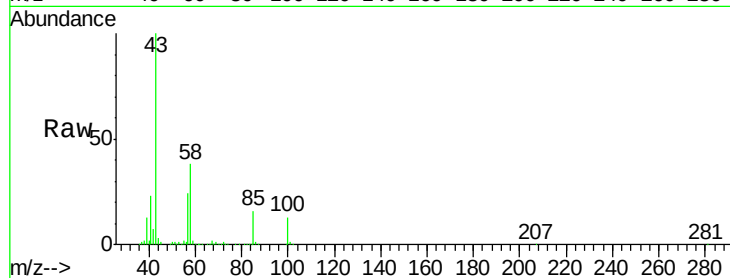




#51
 4-Methyl-2-Pentanone
 Concen: 269.003 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

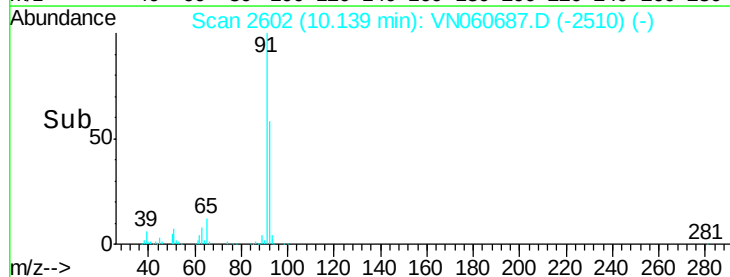
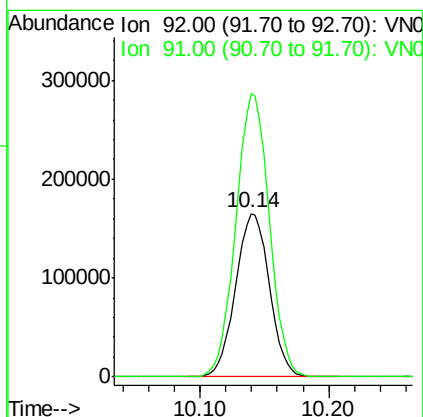
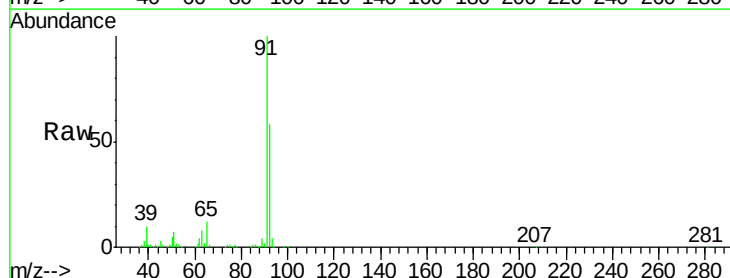
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

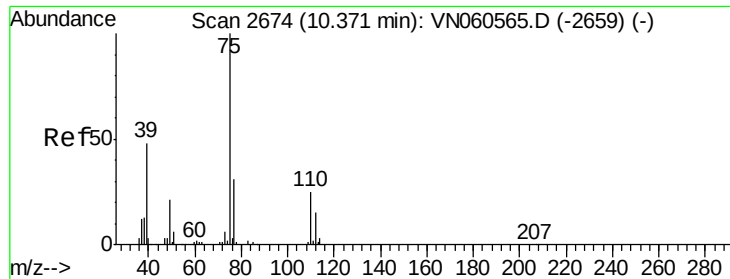
Tgt Ion: 43 Resp: 826249
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2



#52
 Toluene
 Concen: 54.445 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 92 Resp: 300663
 Ion Ratio Lower Upper
 92 100
 91 171.9 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 55.803 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

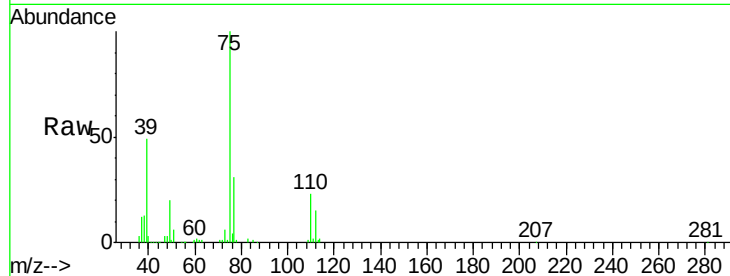
VSTDCCC050

Tgt Ion: 75 Resp: 194294

Ion Ratio Lower Upper

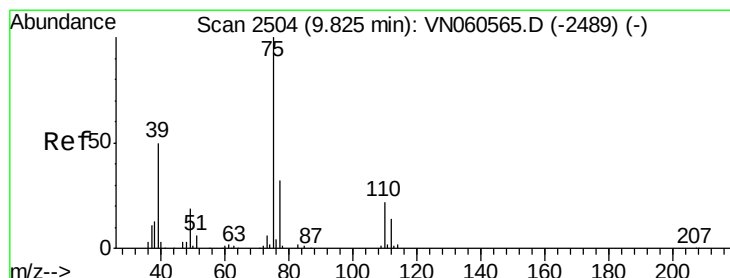
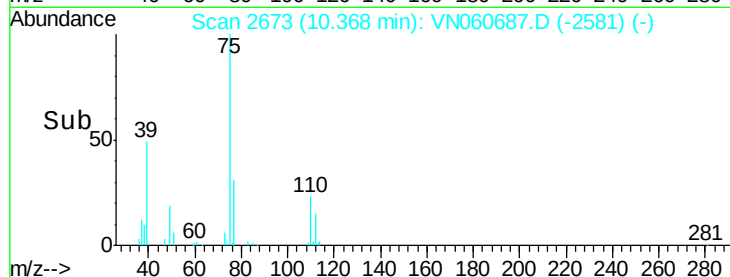
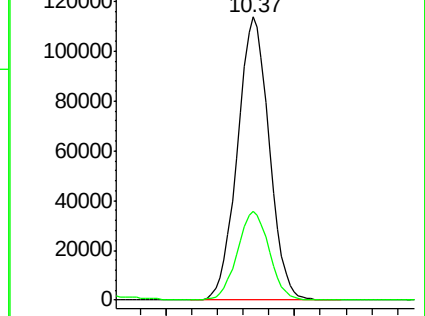
75 100

77 31.4 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: 54.937 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

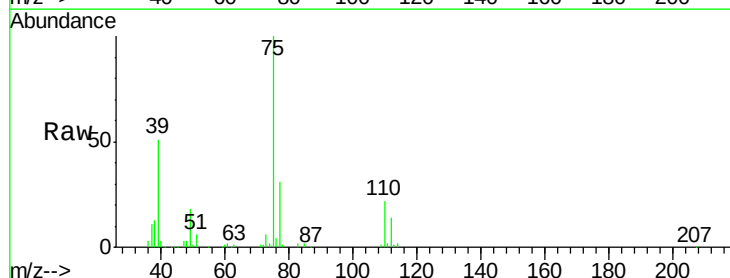
Tgt Ion: 75 Resp: 209844

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

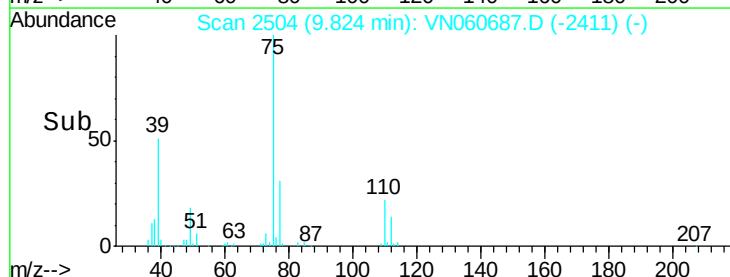
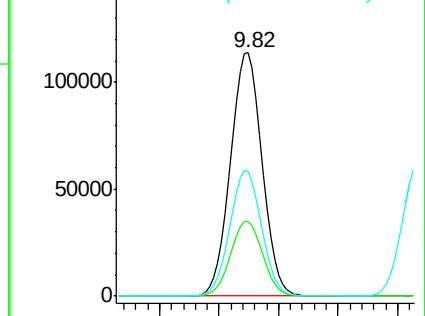
39 50.9 40.2 60.4

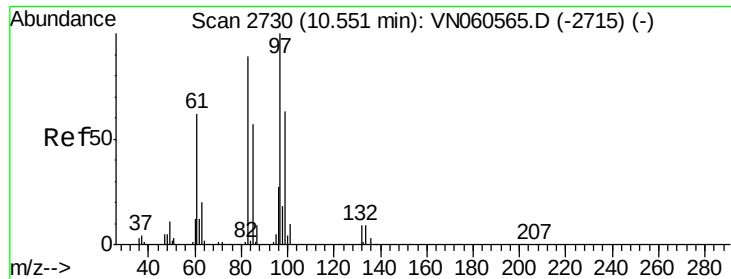


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

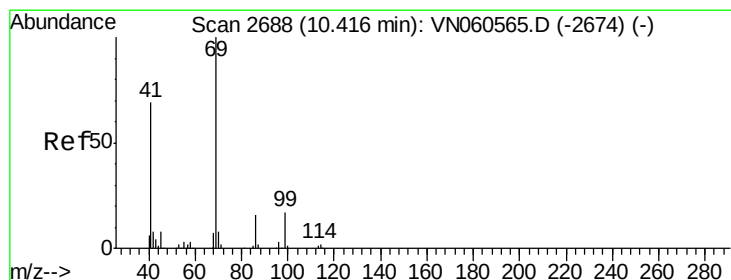
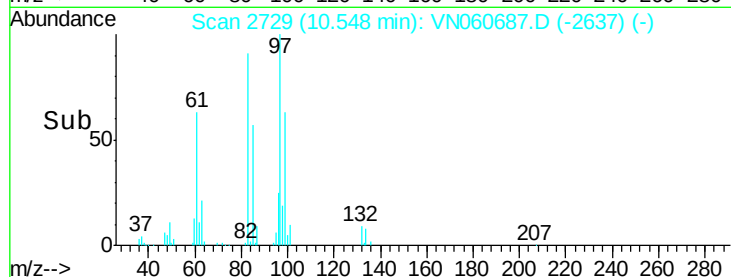
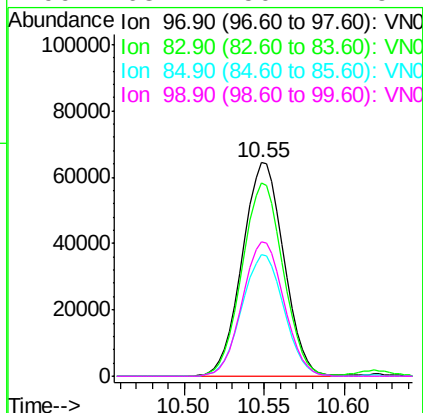
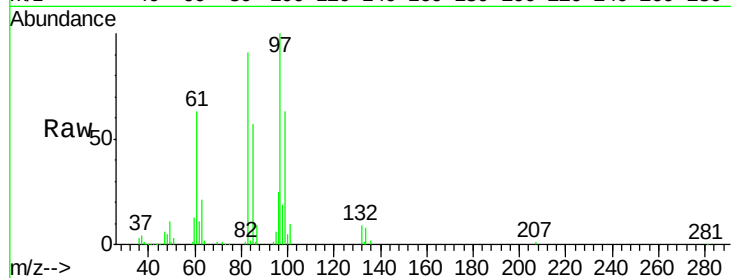




#55
 1,1,2-Trichloroethane
 Concen: 53.822 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

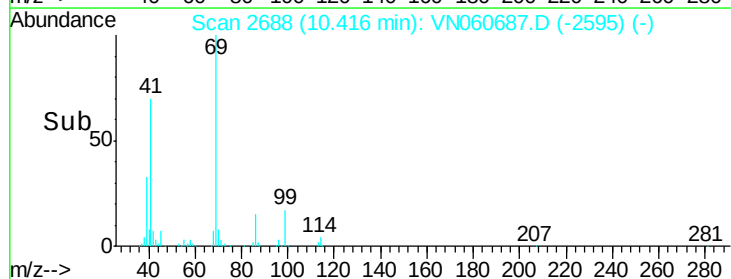
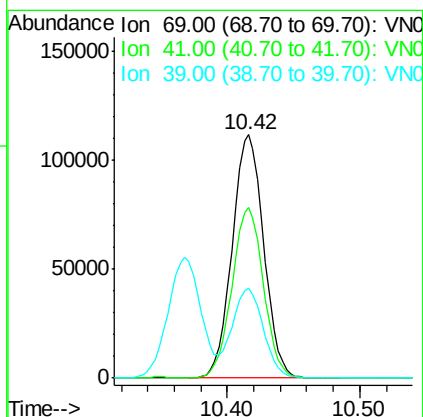
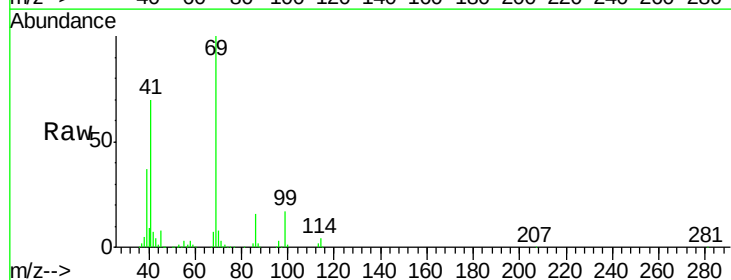
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

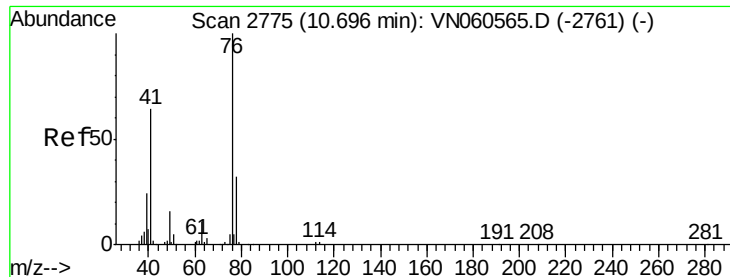
Tgt Ion: 97 Resp: 114345
 Ion Ratio Lower Upper
 97 100
 83 90.8 71.3 106.9
 85 56.9 45.2 67.8
 99 63.1 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 55.705 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 69 Resp: 184528
 Ion Ratio Lower Upper
 69 100
 41 70.1 55.4 83.2
 39 36.4 29.4 44.0

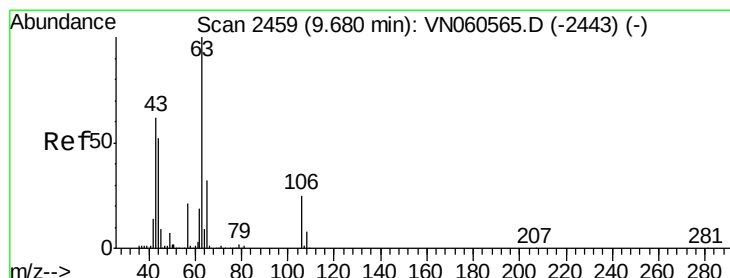
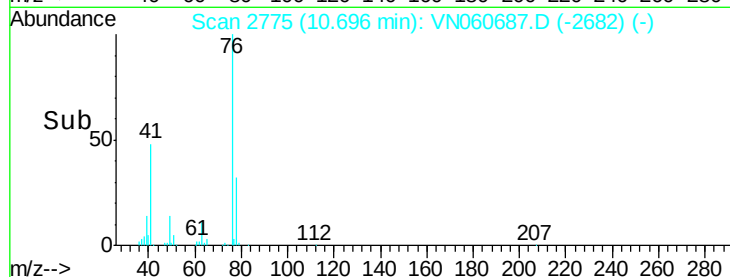
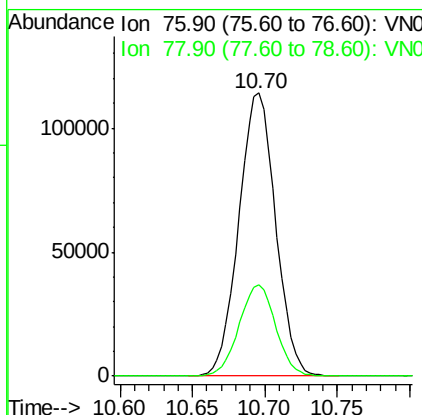
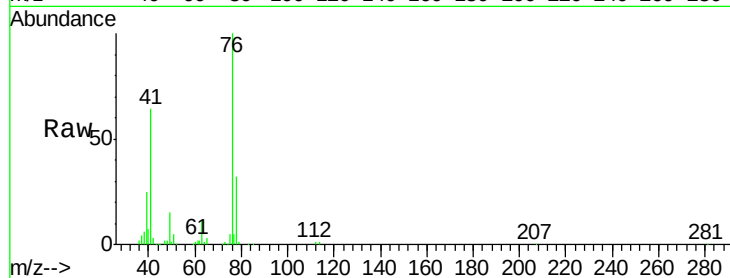




#57
 1,3-Dichloropropane
 Concen: 54.668 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

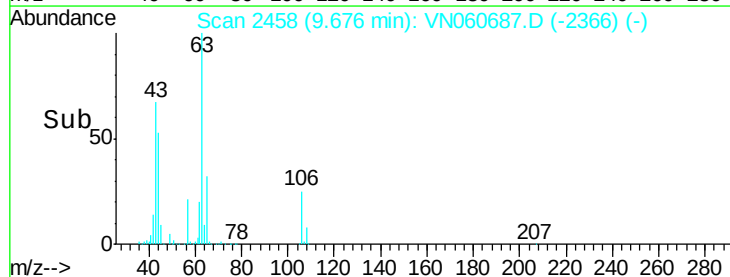
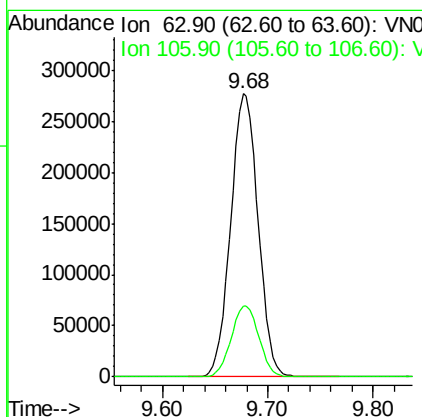
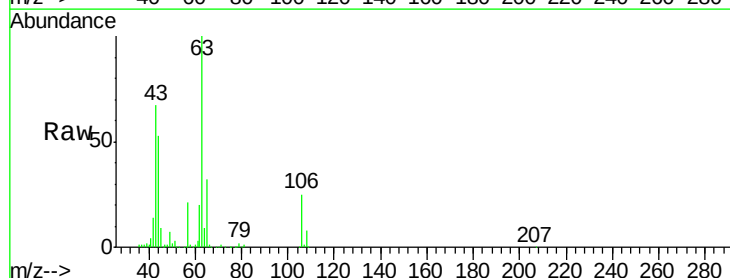
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

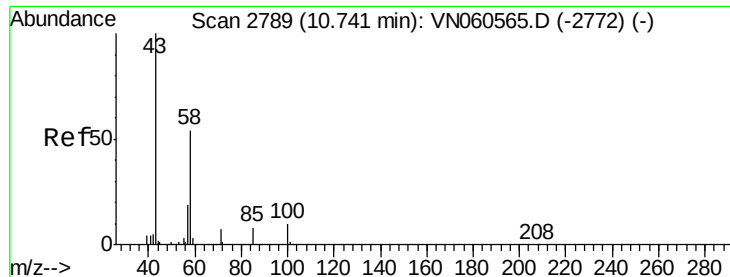
Tgt Ion: 76 Resp: 201543
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 302.197 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 63 Resp: 497536
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.0 30.0

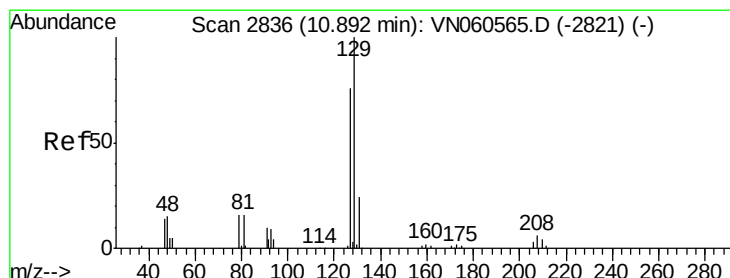
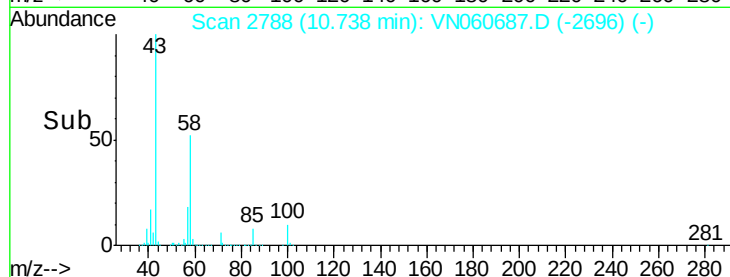
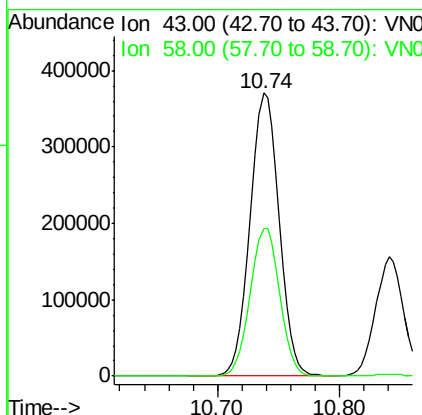
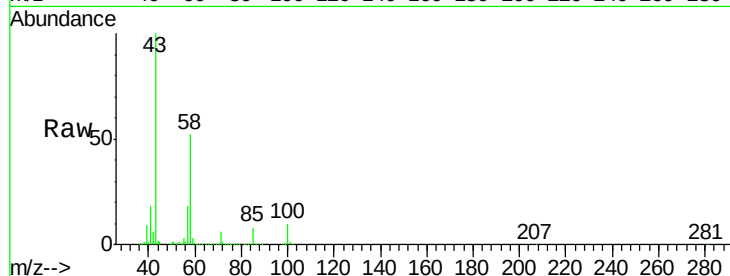




#59
2-Hexanone
Concen: 274.029 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

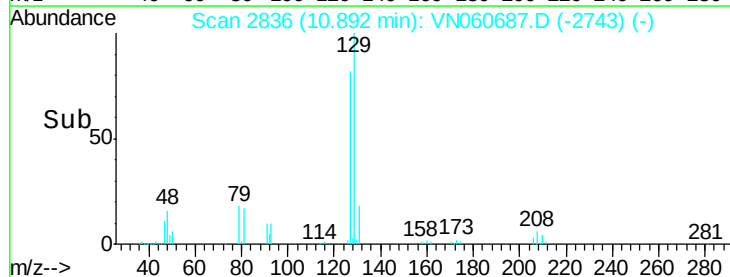
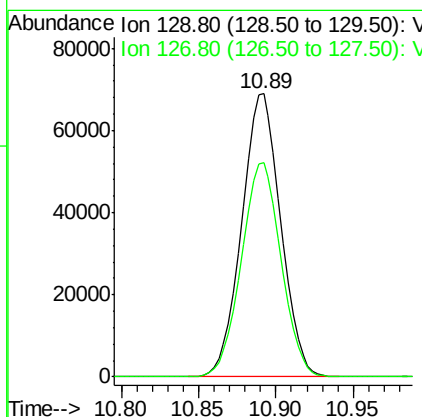
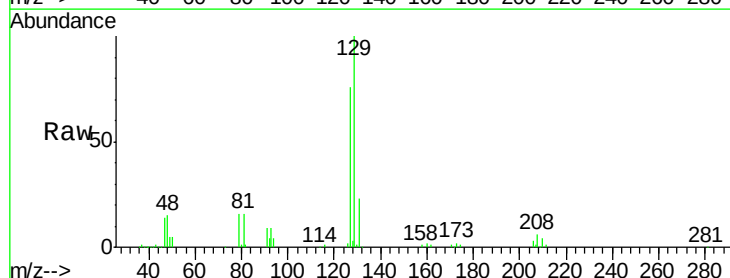
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

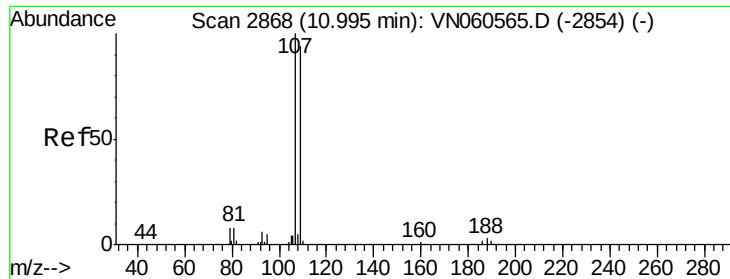
Tgt Ion: 43 Resp: 606311
Ion Ratio Lower Upper
43 100
58 53.1 26.7 80.1



#60
Dibromochloromethane
Concen: 55.137 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion: 129 Resp: 120998
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

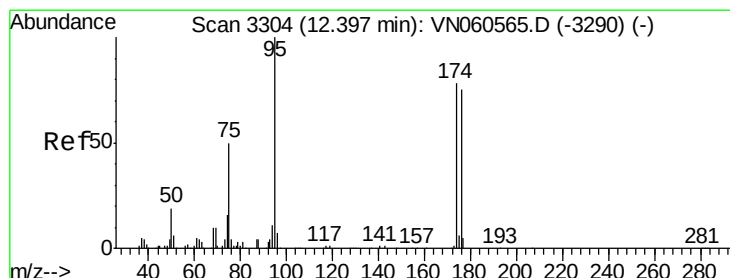
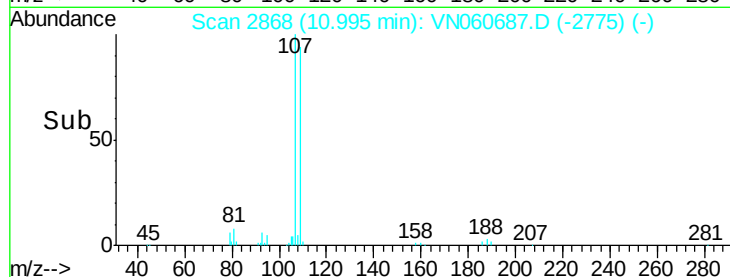
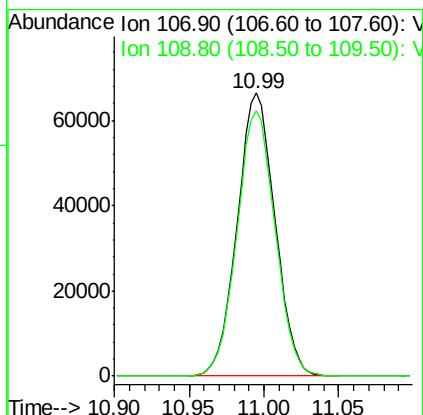
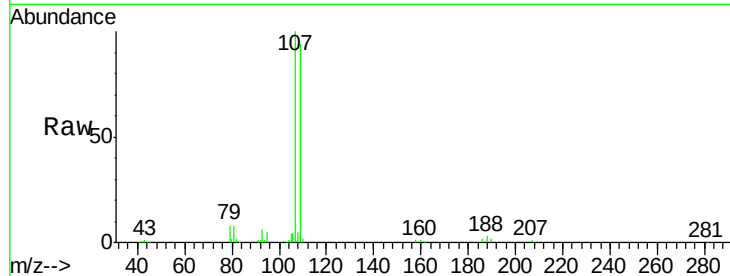




#61
 1,2-Dibromoethane
 Concen: 54.670 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

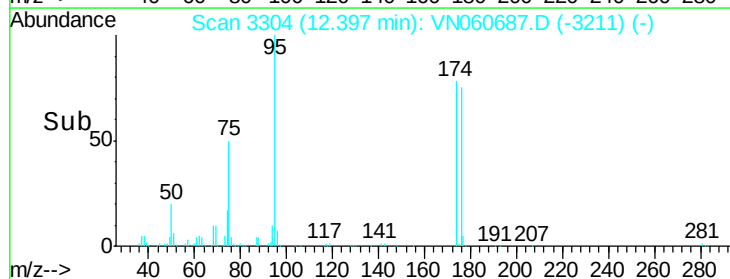
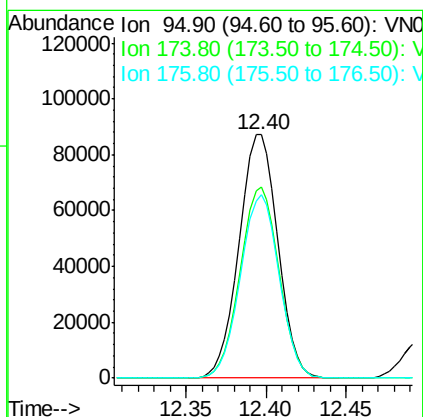
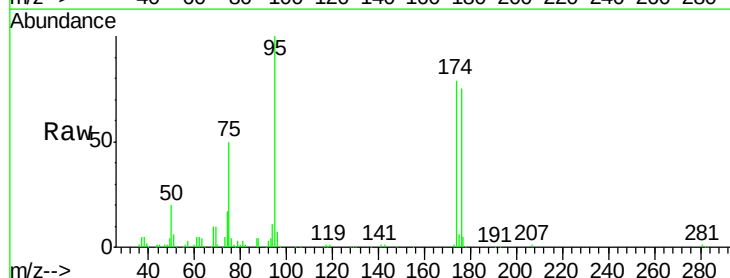
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

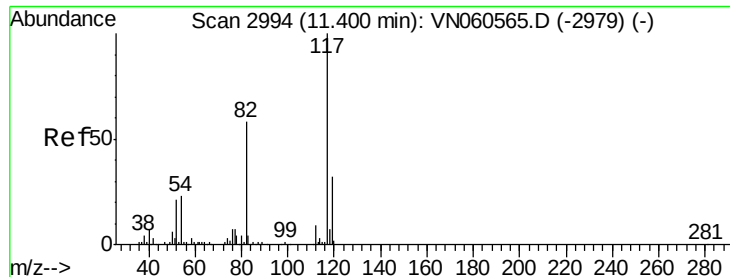
Tgt Ion: 107 Resp: 116791
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.814 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 95 Resp: 143880
 Ion Ratio Lower Upper
 95 100
 174 78.6 0.0 157.6
 176 75.2 0.0 150.6

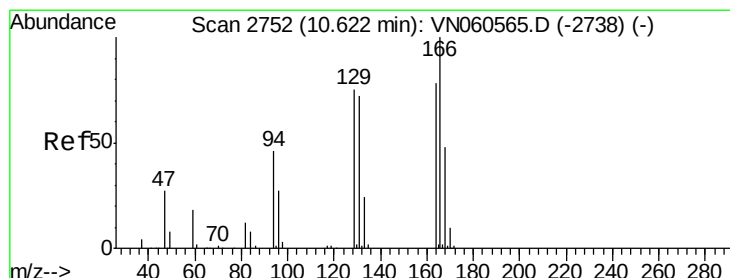
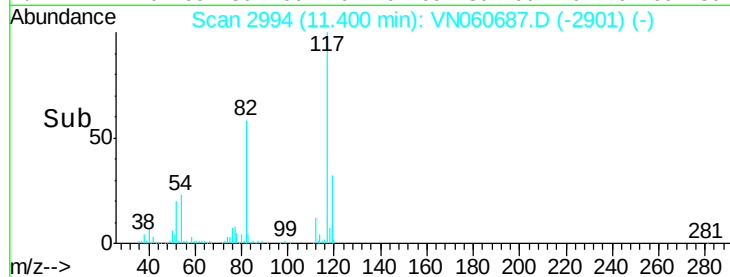
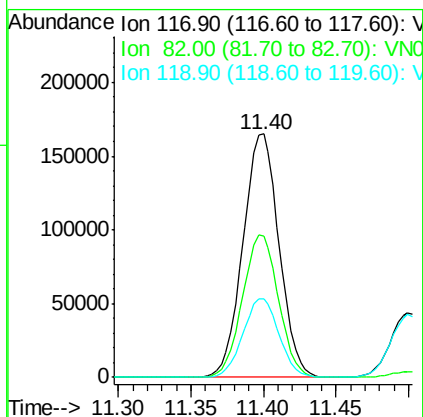
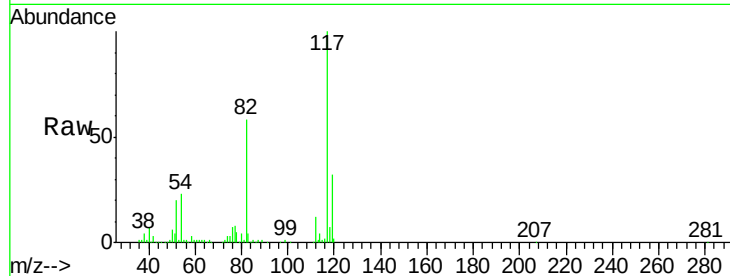




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

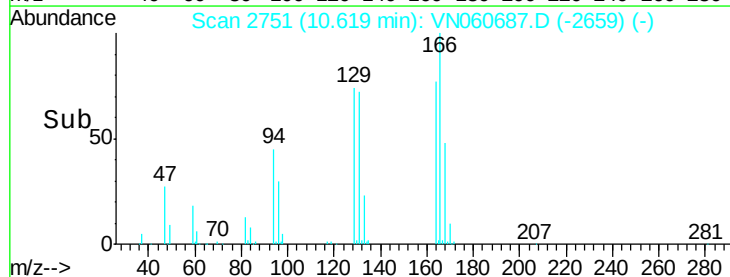
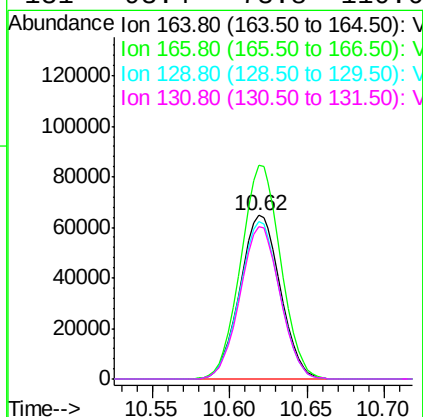
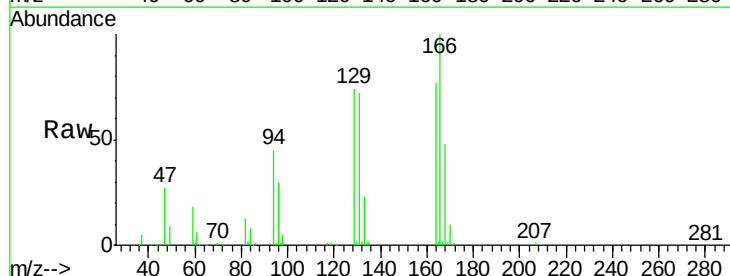
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

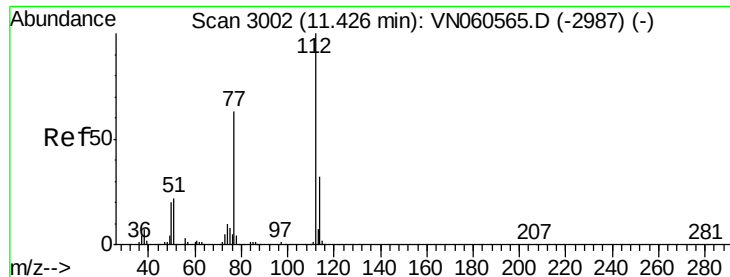
Tgt Ion:117 Resp: 285945
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 52.410 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion:164 Resp: 117929
Ion Ratio Lower Upper
164 100
166 130.5 102.7 154.1
129 96.1 77.2 115.8
131 93.4 73.8 110.6

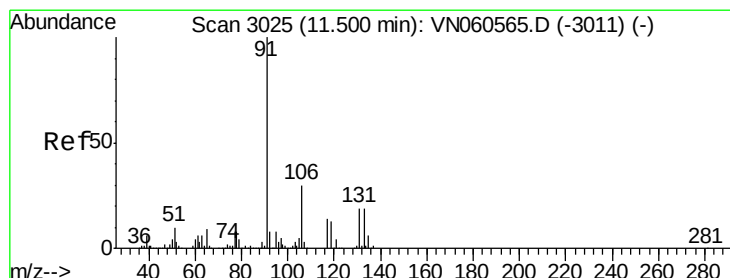
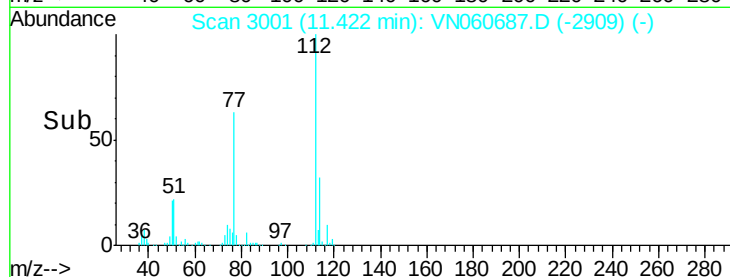
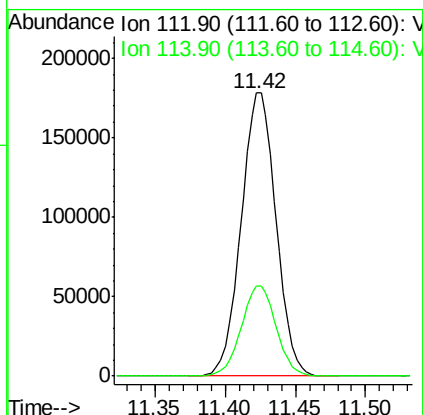
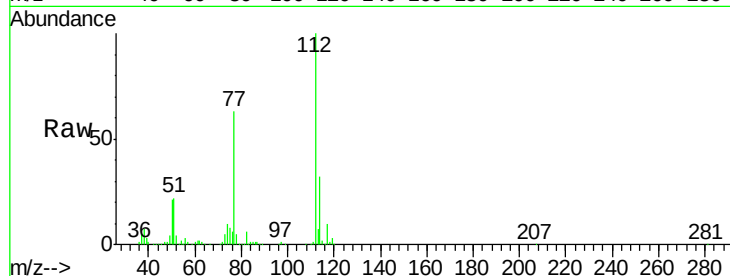




#65
Chlorobenzene
Concen: 54.382 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

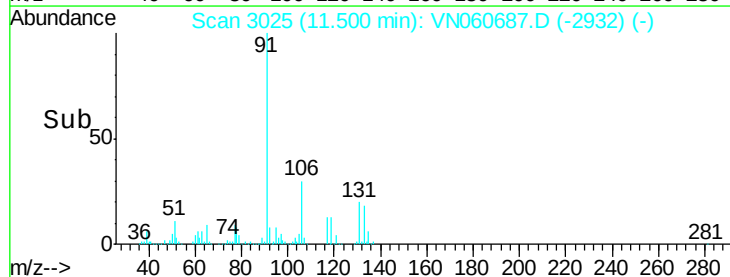
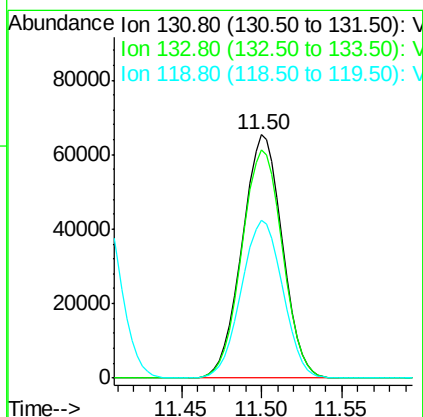
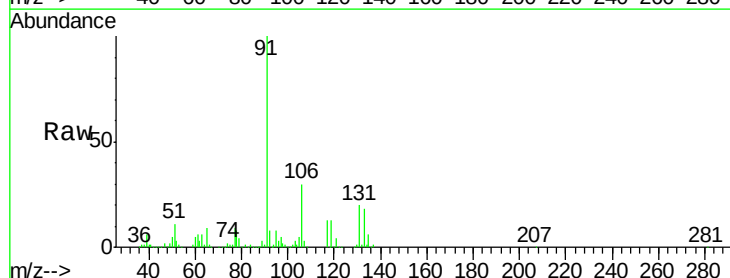
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

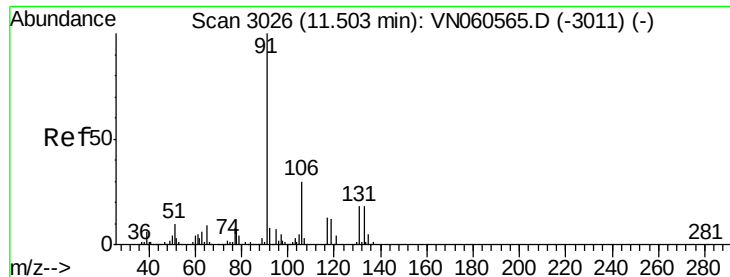
Tgt Ion:112 Resp: 308270
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.781 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion:131 Resp: 112432
Ion Ratio Lower Upper
131 100
133 95.1 48.9 146.8
119 66.6 33.9 101.7





#67

Ethyl Benzene

Concen: 54.779 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

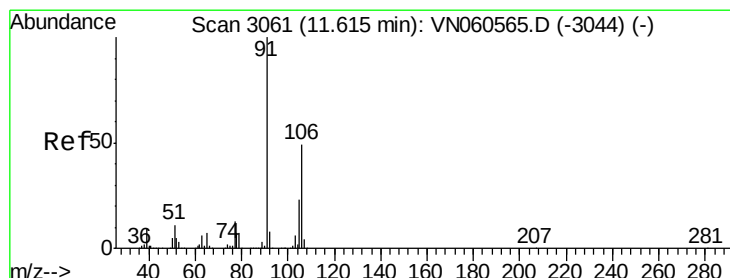
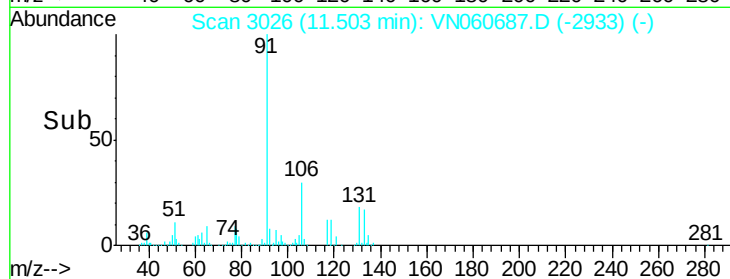
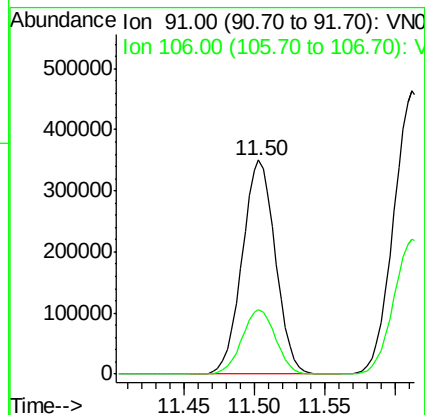
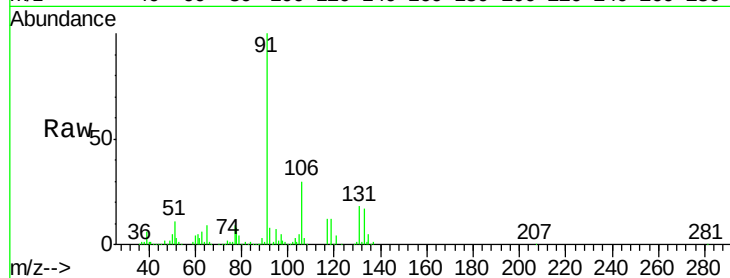
VSTDCCC050

Tgt Ion: 91 Resp: 577459

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2



#68

m/p-Xylenes

Concen: 109.055 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060687.D

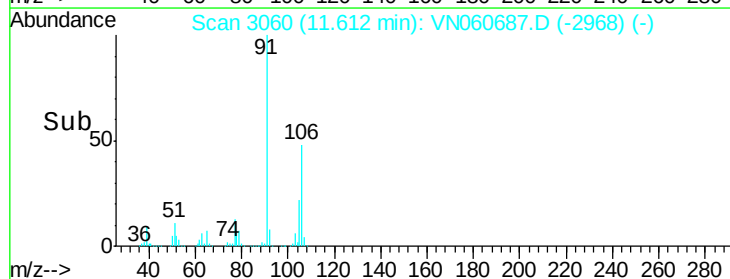
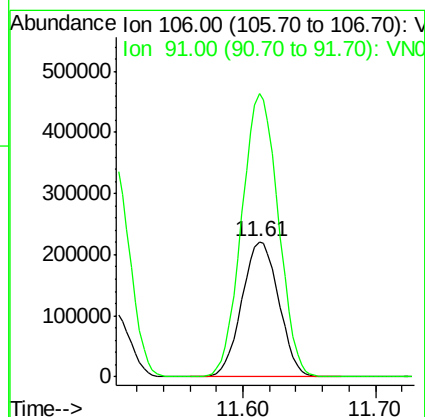
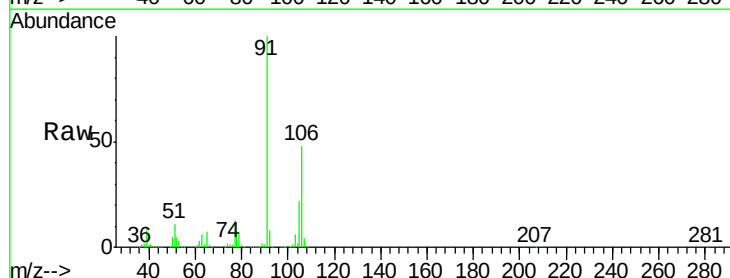
Acq: 25 Mar 2020 11:06

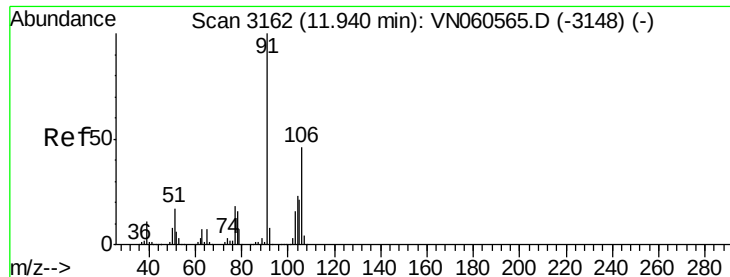
Tgt Ion: 106 Resp: 427203

Ion Ratio Lower Upper

106 100

91 208.0 165.0 247.4

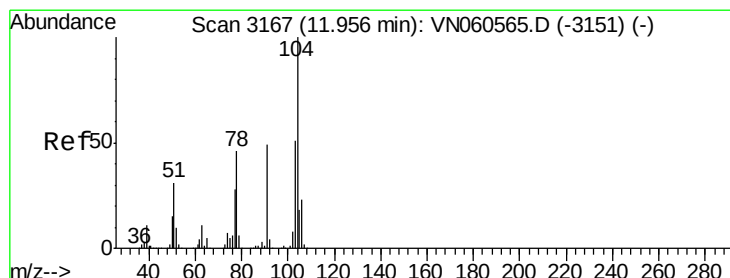
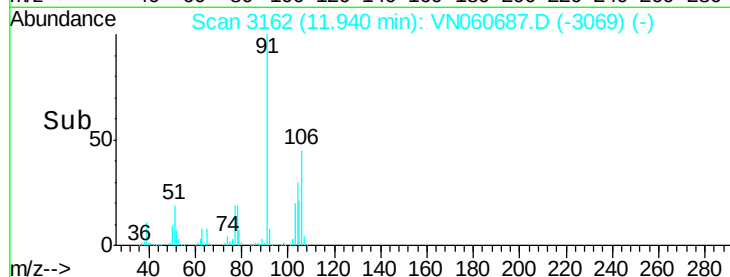
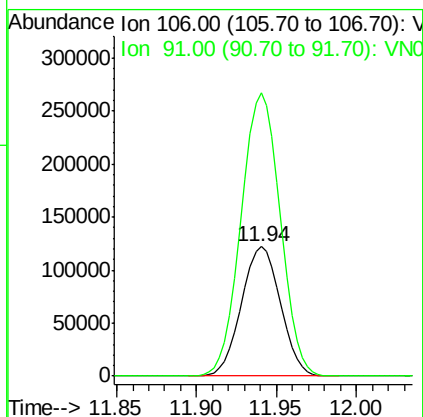
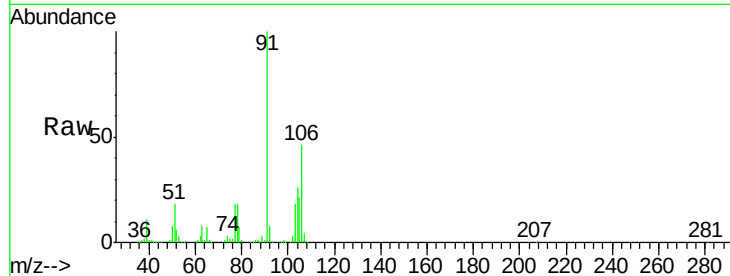




#69
o-Xylene
Concen: 54.347 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

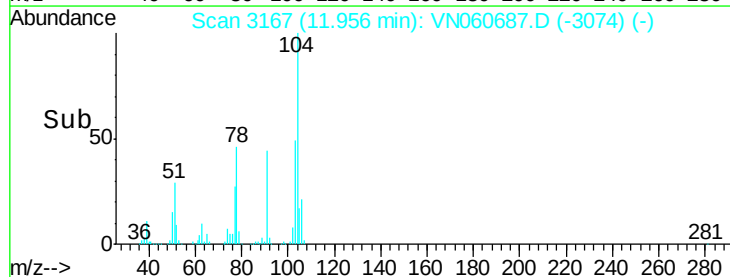
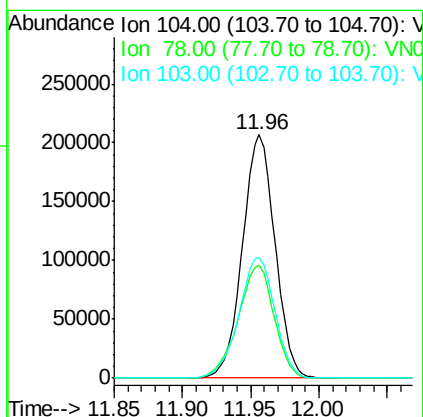
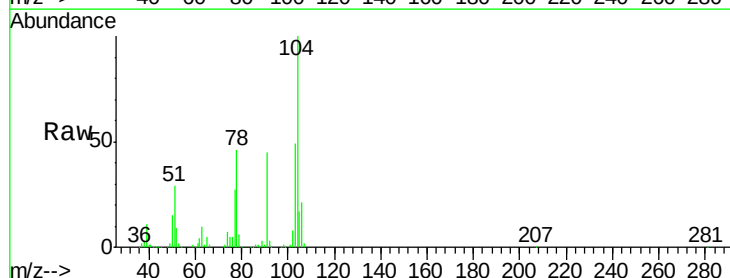
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

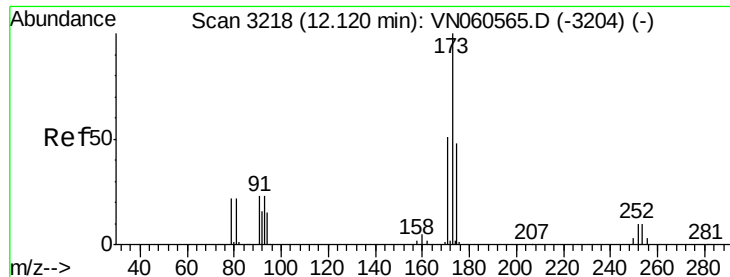
Tgt Ion:106 Resp: 203232
Ion Ratio Lower Upper
106 100
91 219.0 109.5 328.4



#70
Styrene
Concen: 56.053 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion:104 Resp: 342820
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 54.8 44.0 66.0





#71

Bromoform

Concen: 50.990 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

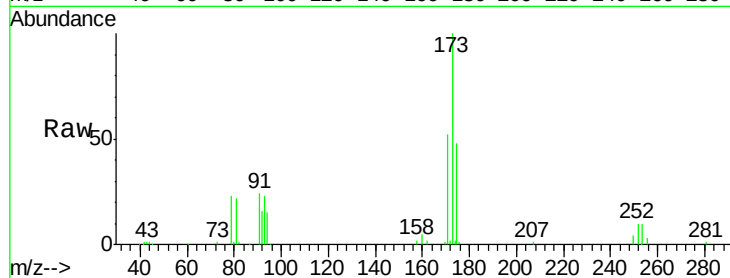
Tgt Ion:173 Resp: 87038

Ion Ratio Lower Upper

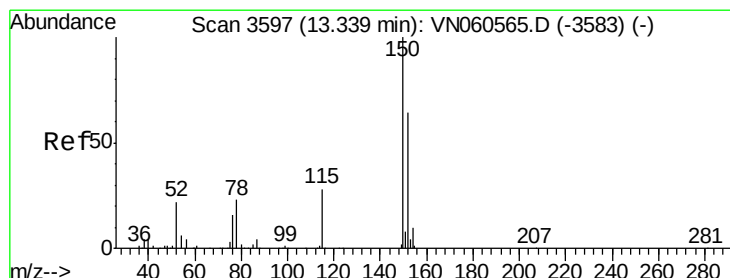
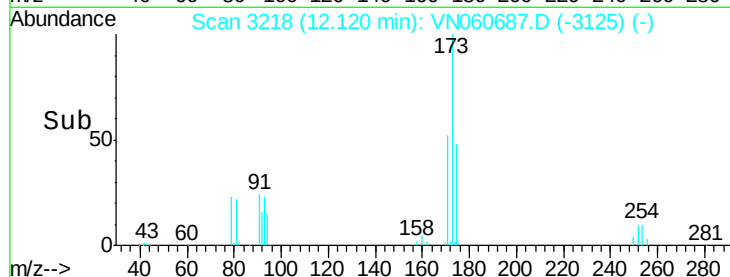
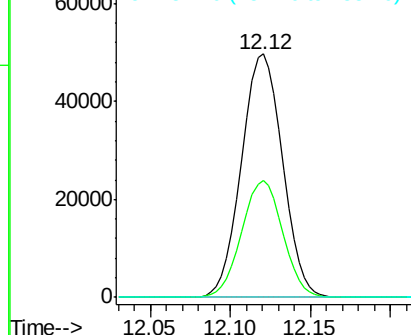
173 100

175 47.9 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: VN060687.D

Acq: 25 Mar 2020 11:06

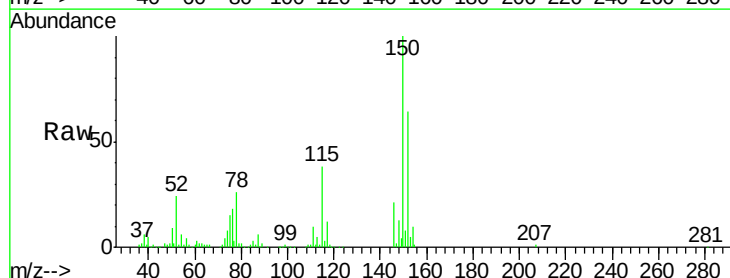
Tgt Ion:152 Resp: 140914

Ion Ratio Lower Upper

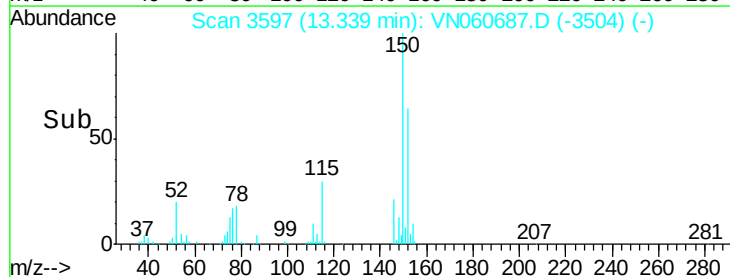
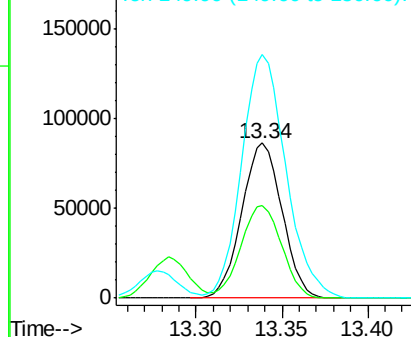
152 100

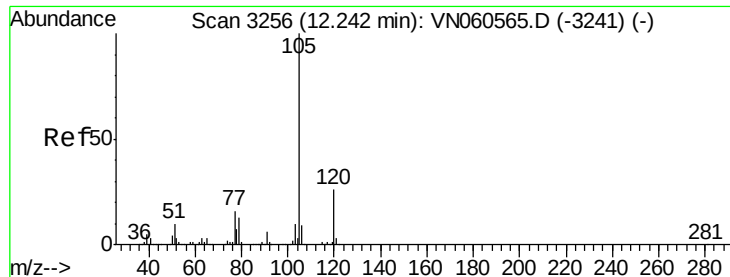
115 60.2 30.2 90.6

150 172.5 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: 51.767 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

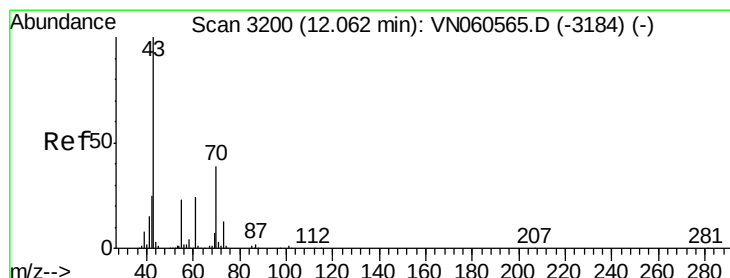
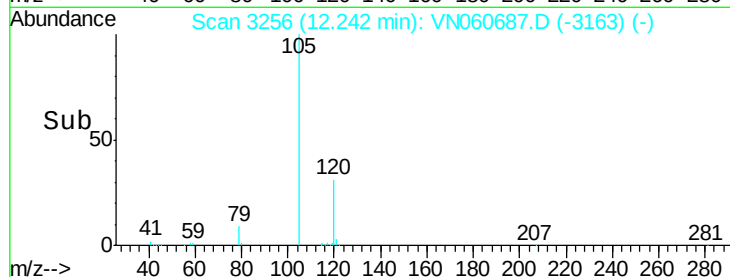
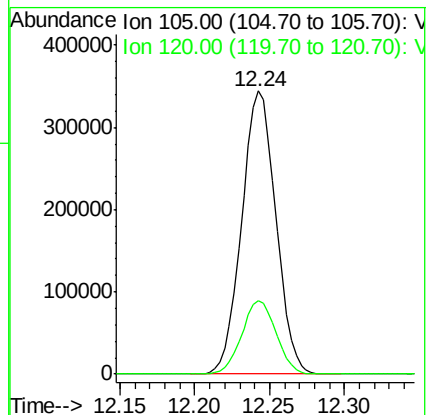
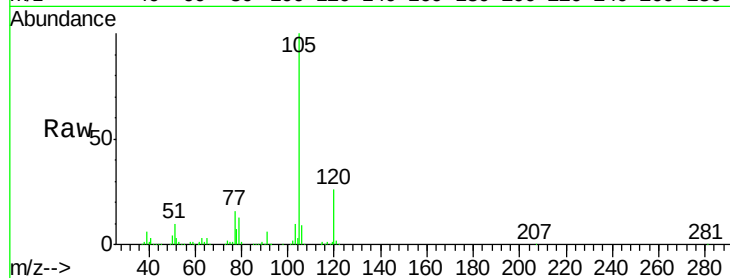
VSTDCCC050

Tgt Ion: 105 Resp: 547432

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



#74

N-ethyl acetate

Concen: 51.837 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Tgt Ion: 43 Resp: 253309

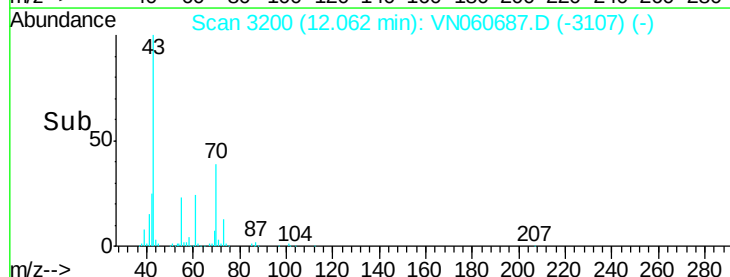
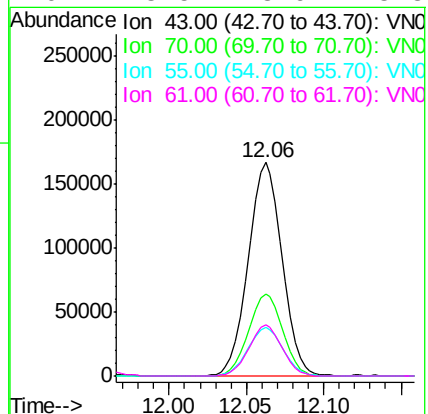
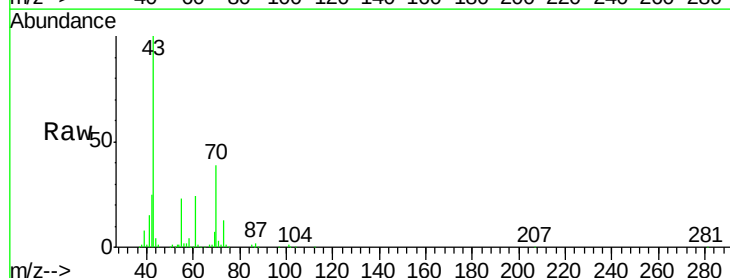
Ion Ratio Lower Upper

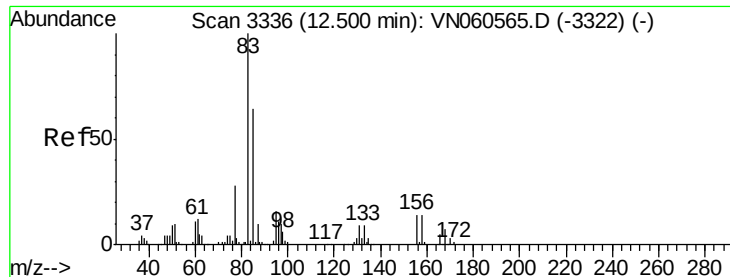
43 100

70 38.9 31.1 46.7

55 23.7 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.609 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

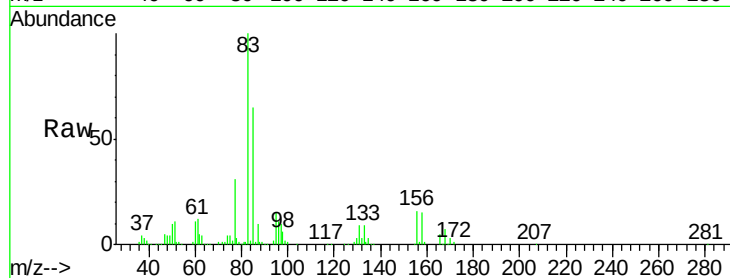
Tgt Ion: 83 Resp: 165043

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

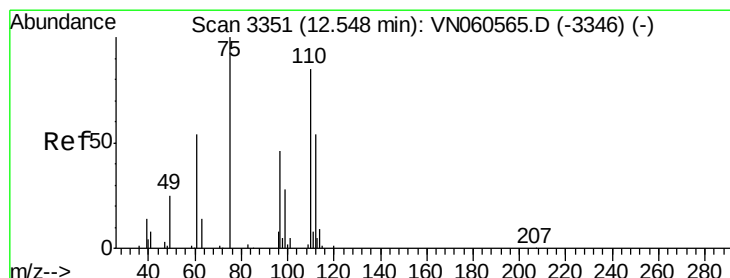
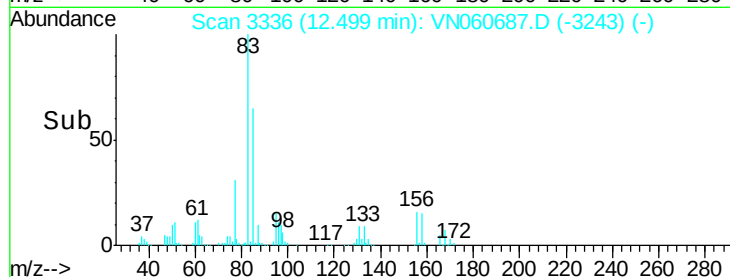
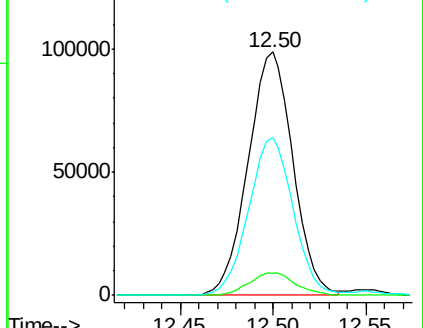
85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.546 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060687.D

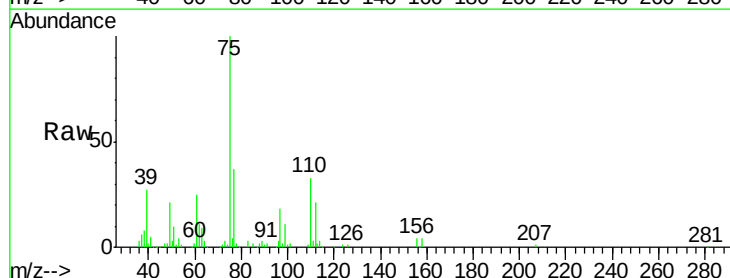
Acq: 25 Mar 2020 11:06

Tgt Ion: 75 Resp: 226668

Ion Ratio Lower Upper

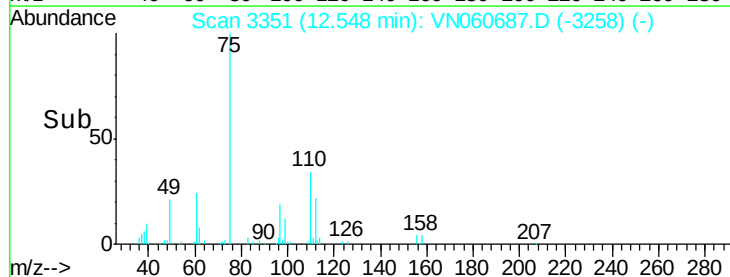
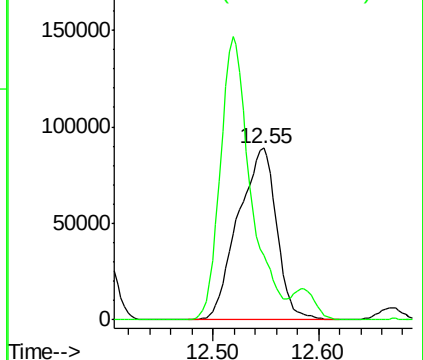
75 100

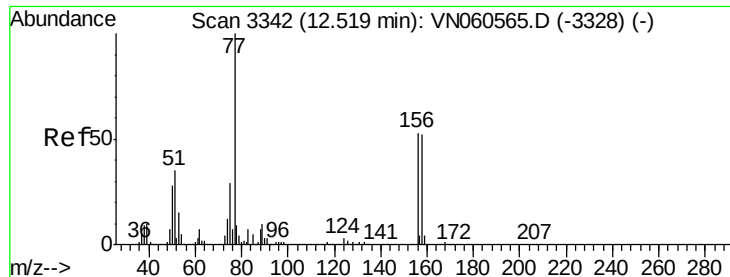
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.044 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

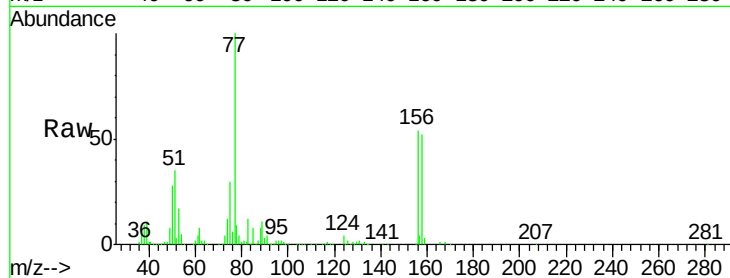
Tgt Ion:156 Resp: 132619

Ion Ratio Lower Upper

156 100

77 221.0 112.3 337.0

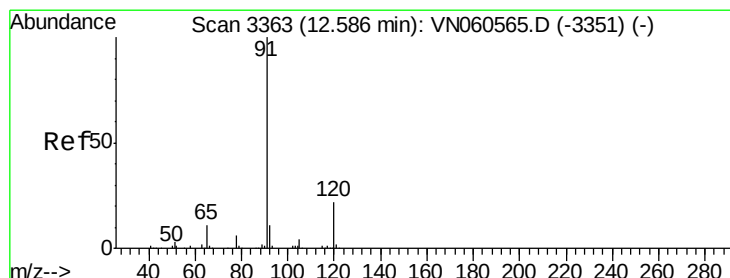
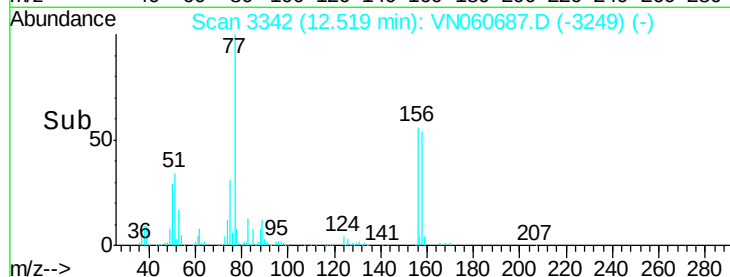
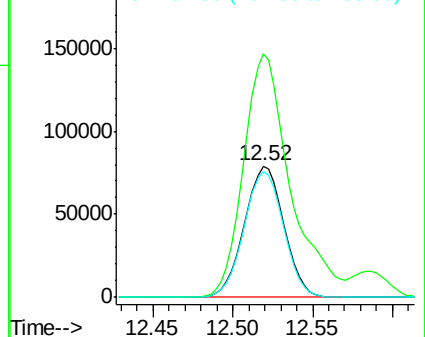
158 96.2 48.6 145.8



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: 52.618 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060687.D

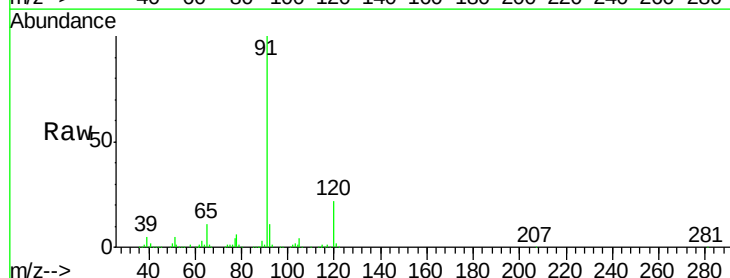
Acq: 25 Mar 2020 11:06

Tgt Ion: 91 Resp: 657402

Ion Ratio Lower Upper

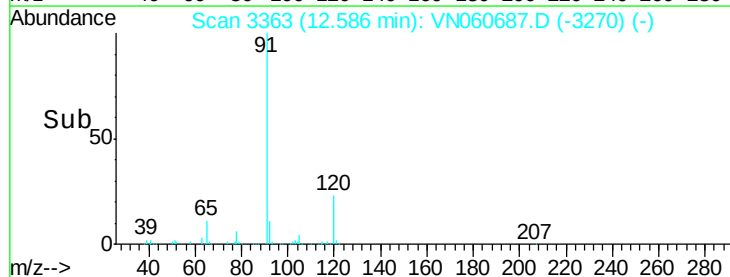
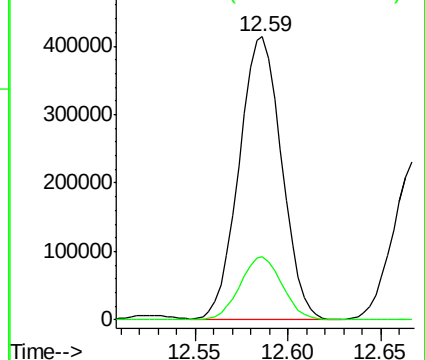
91 100

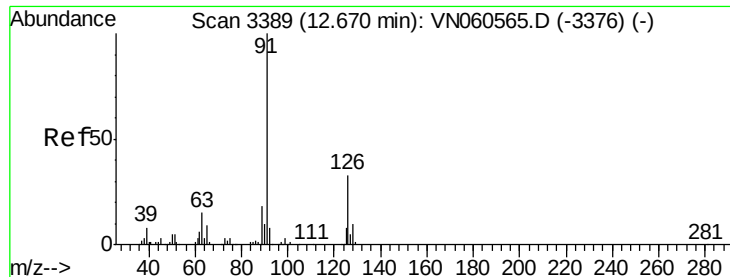
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.101 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

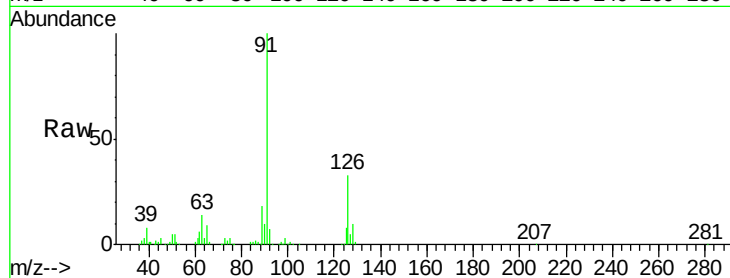
VSTDCCC050

Tgt Ion: 91 Resp: 381466

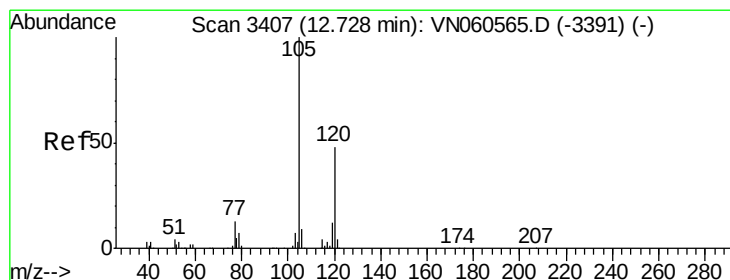
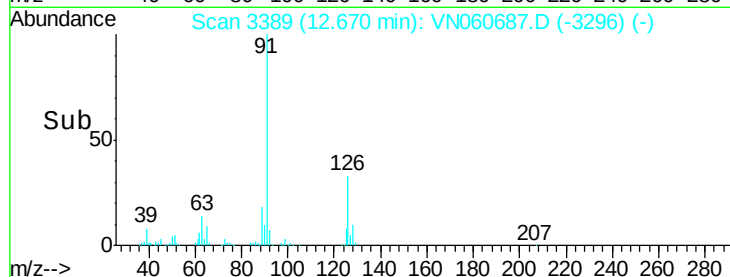
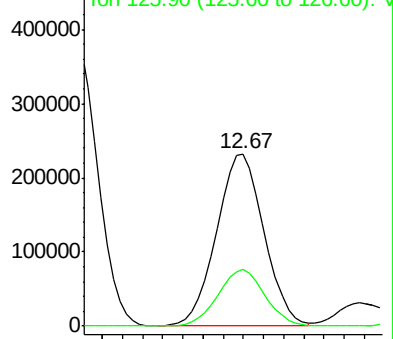
Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060687.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.468 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060687.D

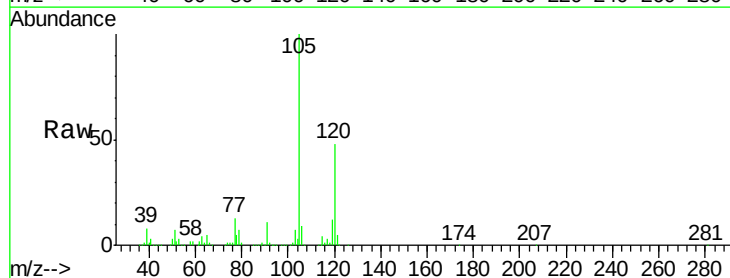
Acq: 25 Mar 2020 11:06

Tgt Ion: 105 Resp: 470856

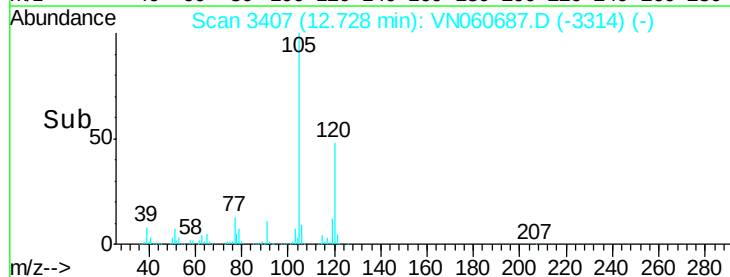
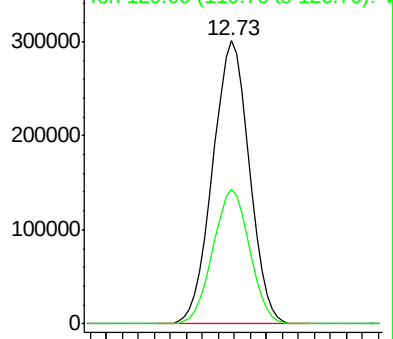
Ion Ratio Lower Upper

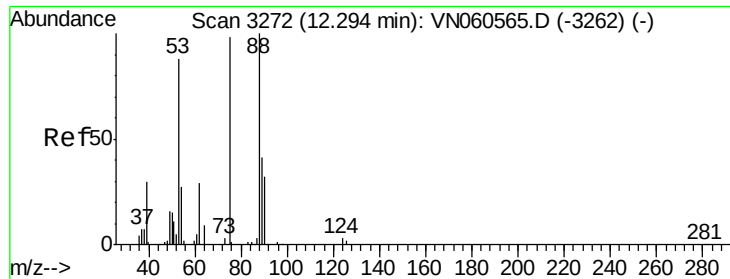
105 100

120 47.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060687.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.469 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

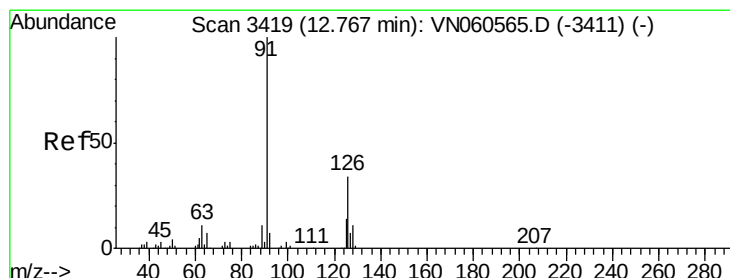
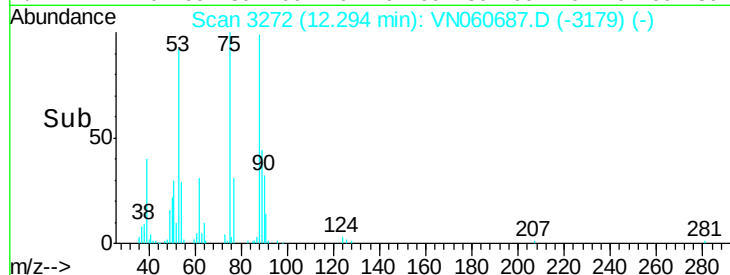
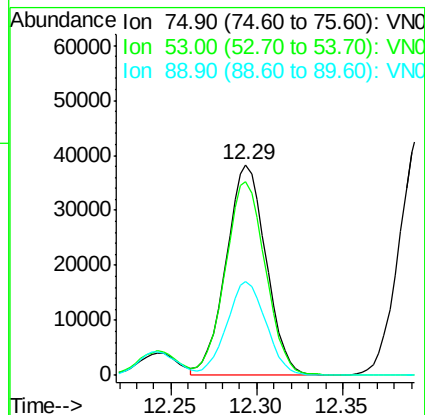
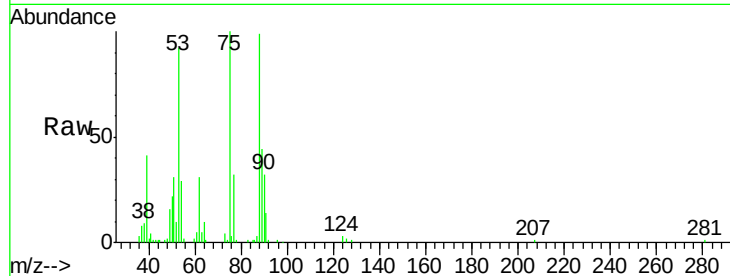
Tgt Ion: 75 Resp: 62119

Ion Ratio Lower Upper

75 100

53 92.8 73.0 109.4

89 43.7 34.8 52.2



#82

4-Chlorotoluene

Concen: 53.118 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060687.D

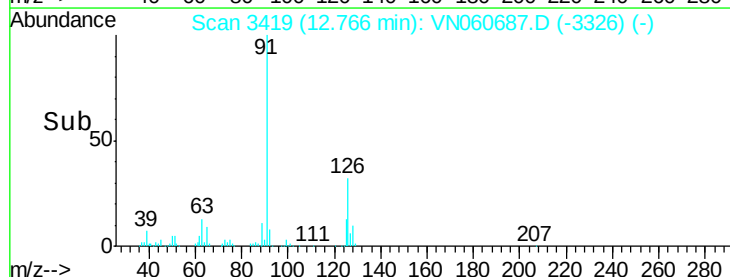
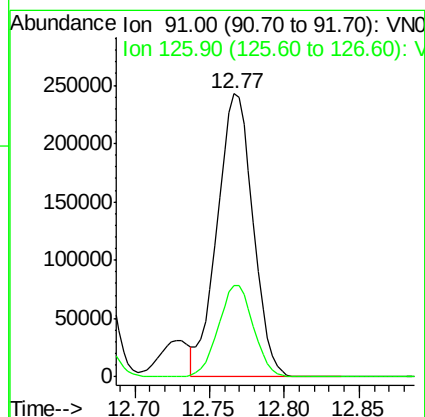
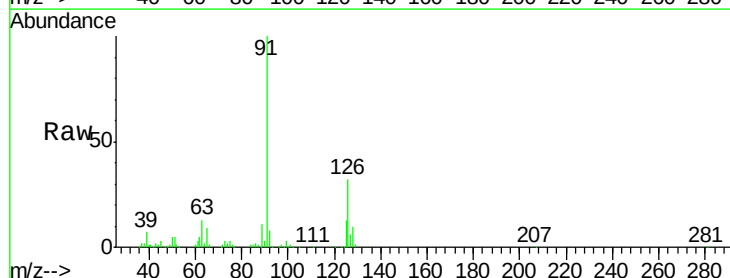
Acq: 25 Mar 2020 11:06

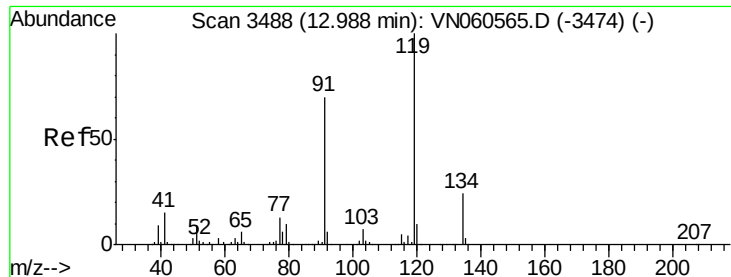
Tgt Ion: 91 Resp: 403859

Ion Ratio Lower Upper

91 100

126 31.7 16.2 48.5

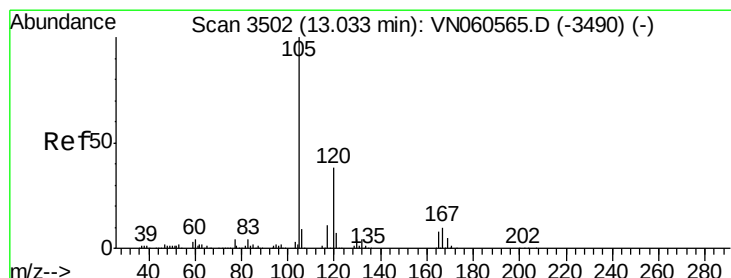
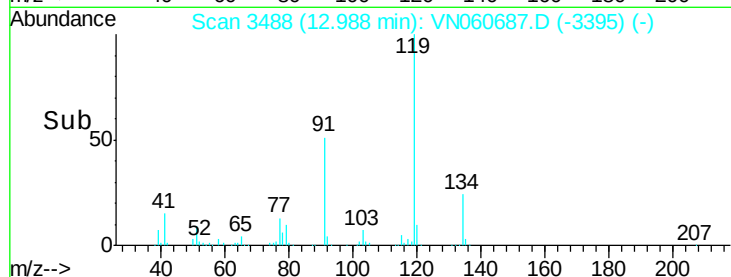
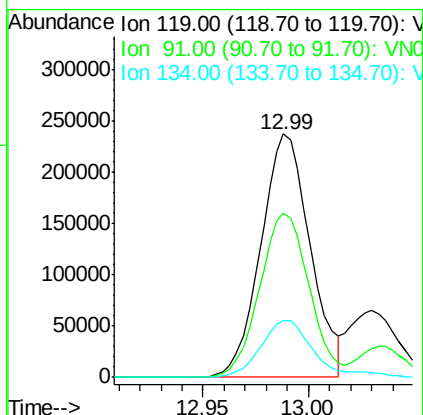
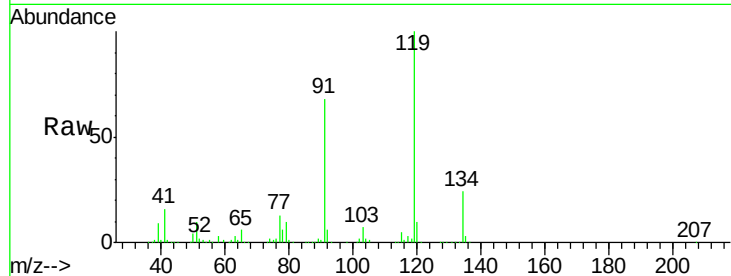




#83
 tert-Butylbenzene
 Concen: 51.927 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

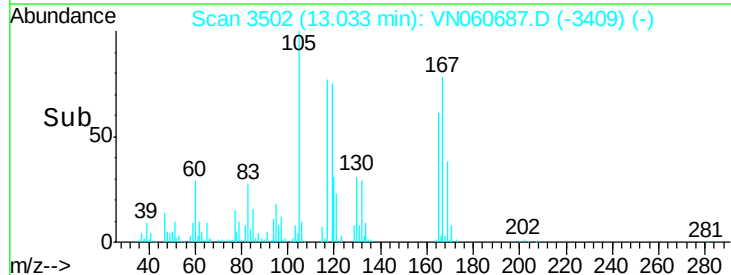
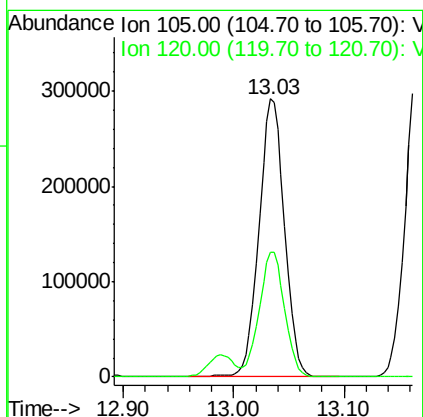
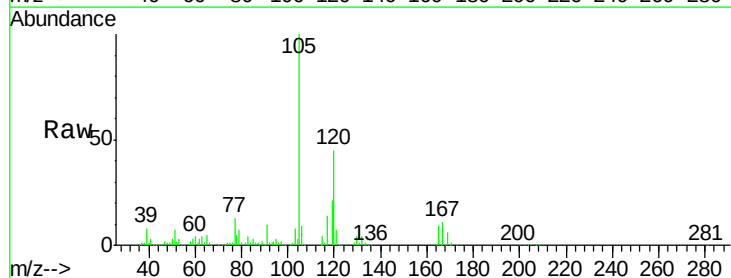
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

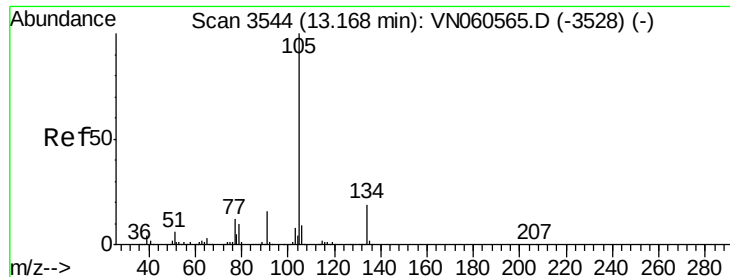
Tgt Ion:119 Resp: 386305
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.0 101.8
 134 25.2 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.518 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion:105 Resp: 466274
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 52.793 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

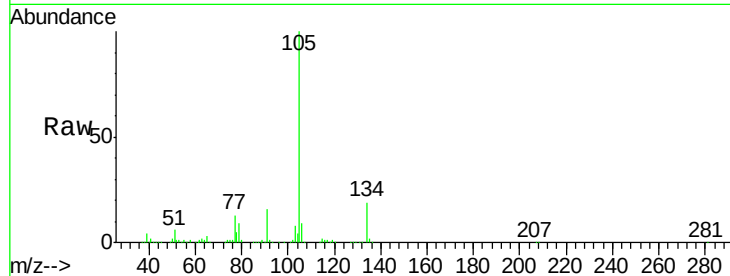
VSTDCCC050

Tgt Ion:105 Resp: 528128

Ion Ratio Lower Upper

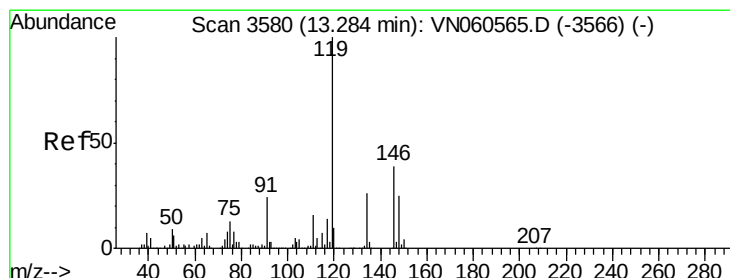
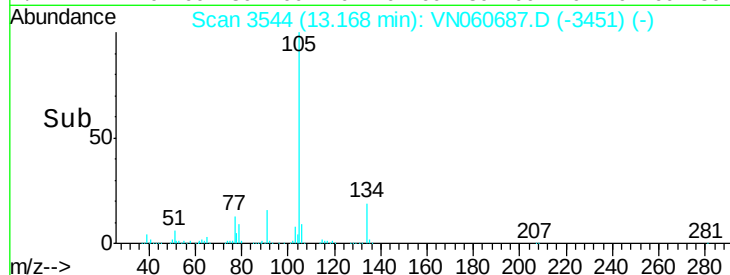
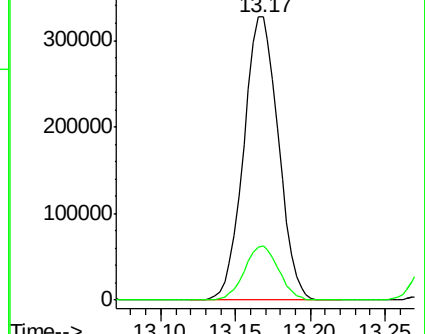
105 100

134 18.9 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: 52.958 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

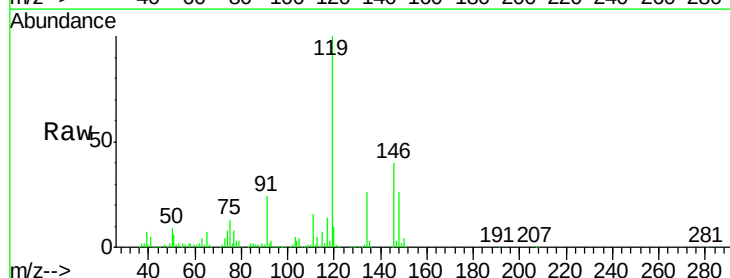
Tgt Ion:119 Resp: 476393

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

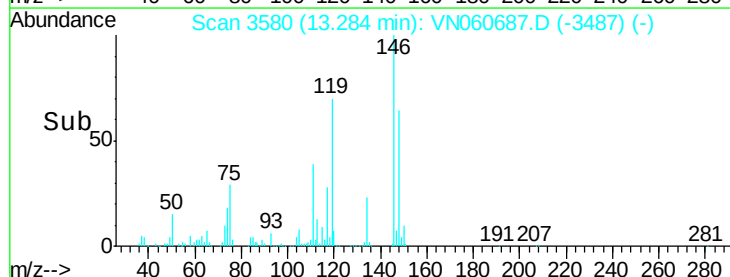
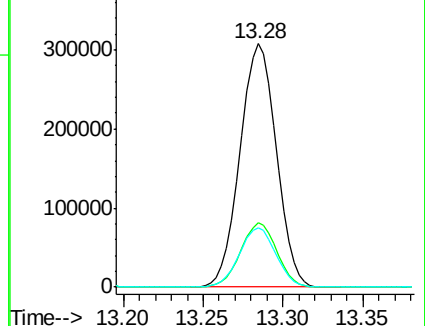
91 24.4 12.0 36.0

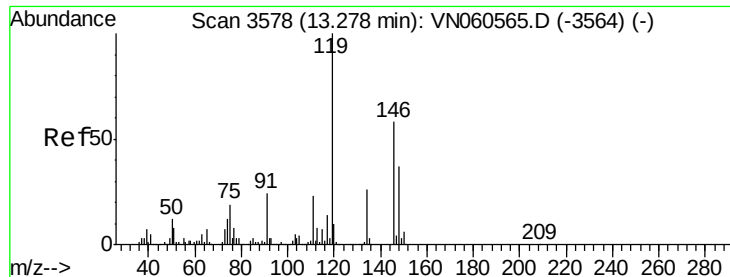


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.473 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

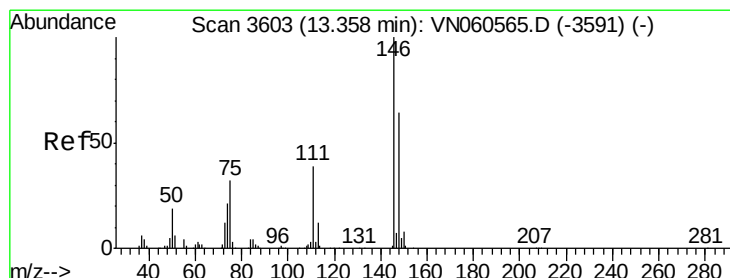
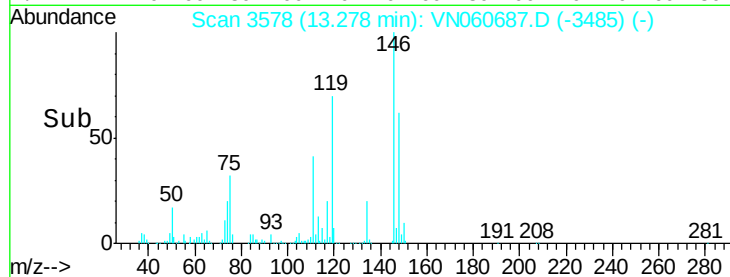
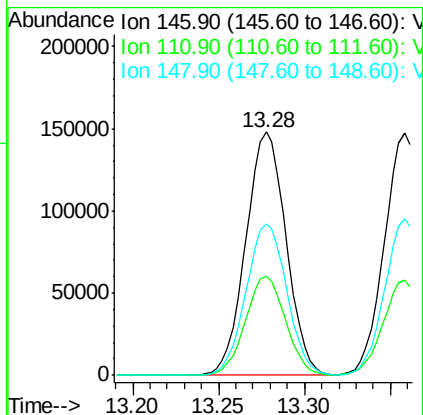
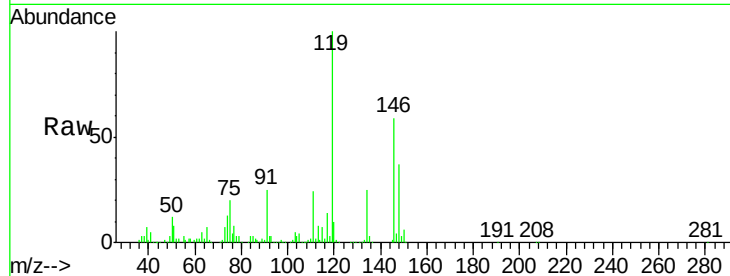
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	240326
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.1	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 52.902 ug/l

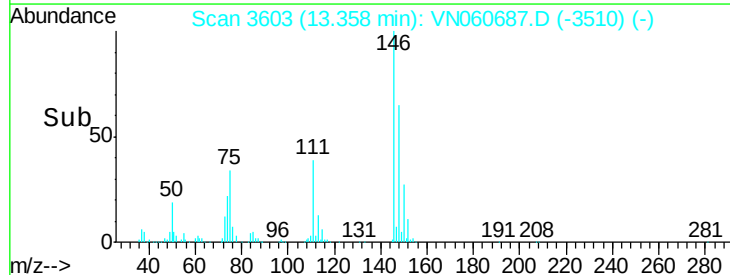
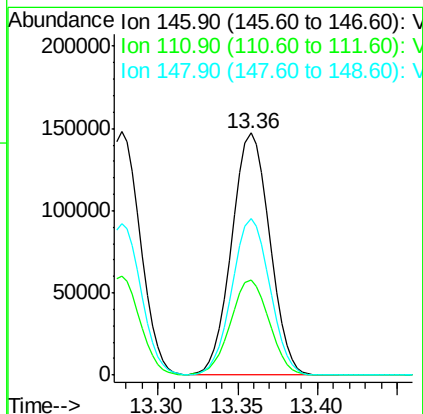
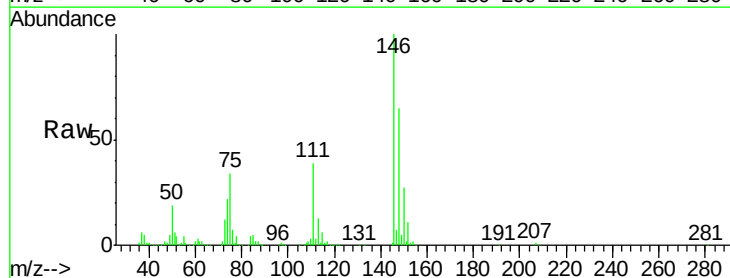
RT: 13.36 min Scan# 3603

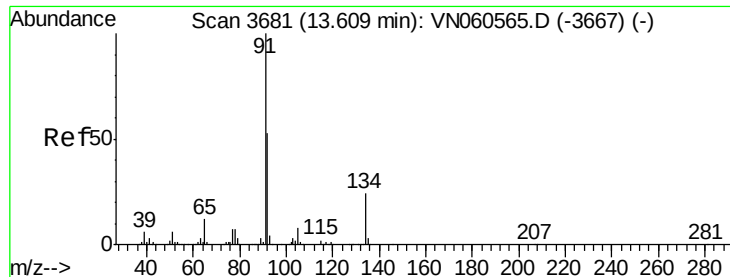
Delta R.T. -0.00 min

Lab File: VN060687.D

Acq: 25 Mar 2020 11:06

Tgt Ion:	146	Resp:	238874
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.4	32.1	96.3

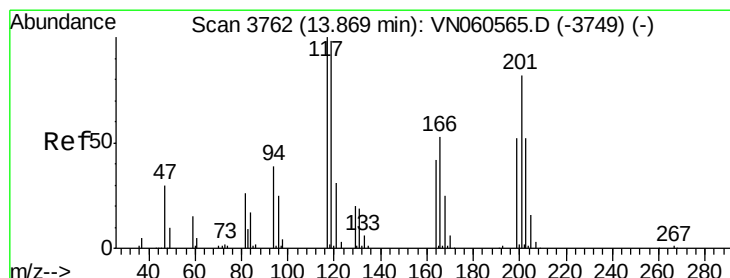
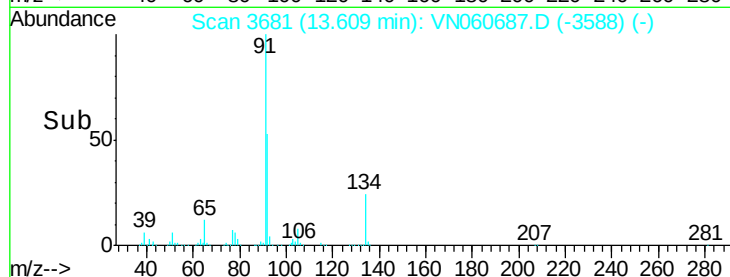
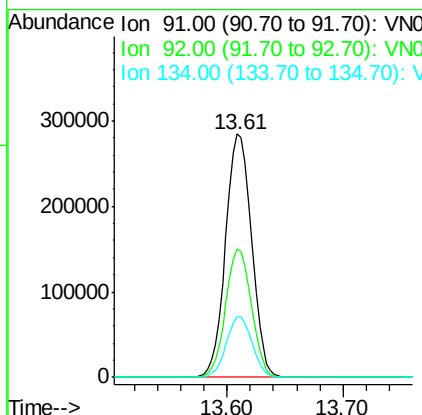
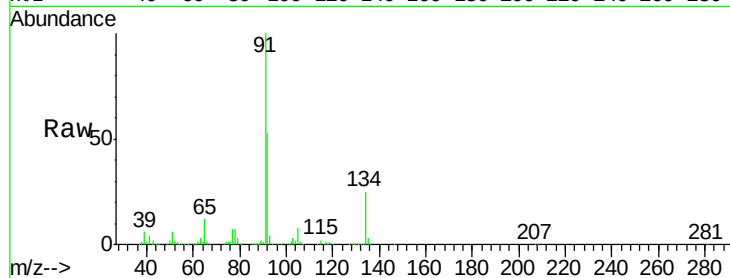




#89
n-Butylbenzene
Concen: 54.431 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

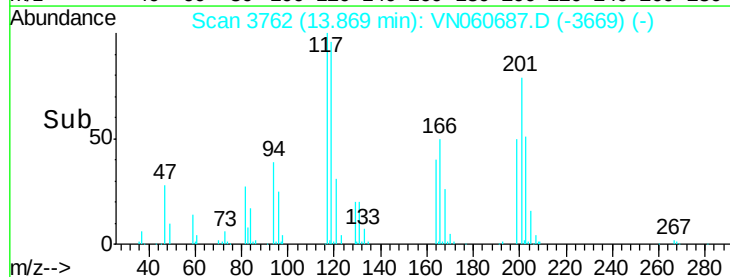
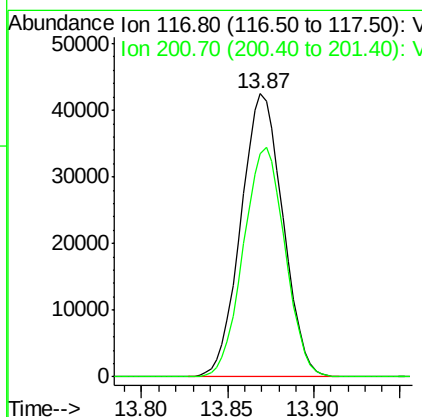
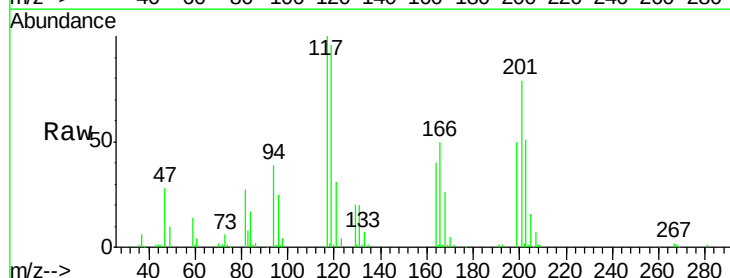
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

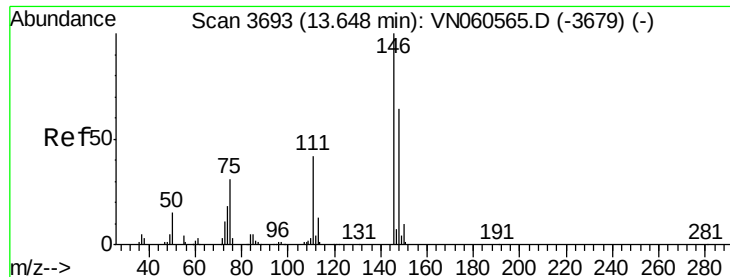
Tgt Ion: 91 Resp: 442079
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 24.6 12.3 36.9



#90
Hexachloroethane
Concen: 55.081 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion: 117 Resp: 72023
Ion Ratio Lower Upper
117 100
201 80.3 40.8 122.5

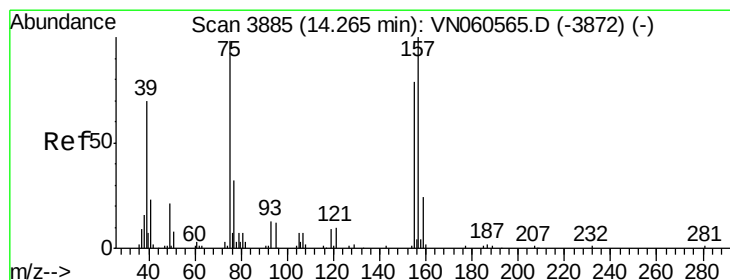
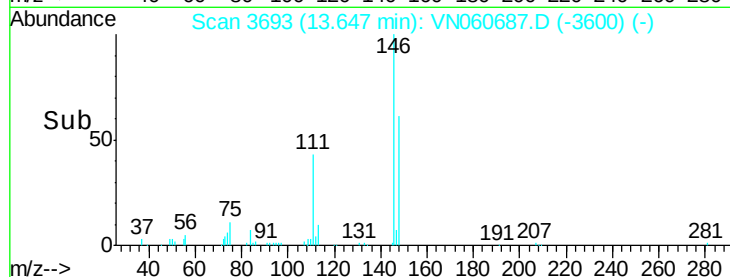
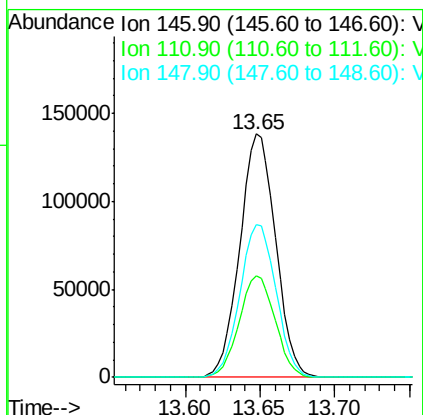
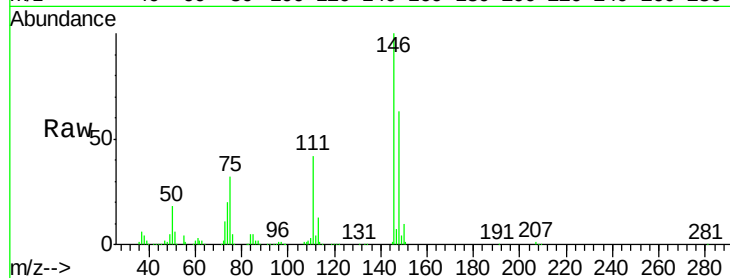




#91
 1,2-Dichlorobenzene
 Concen: 53.656 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

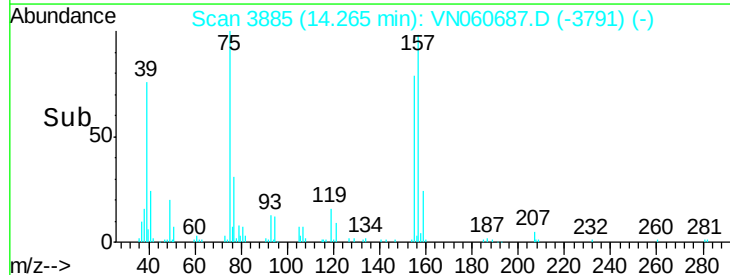
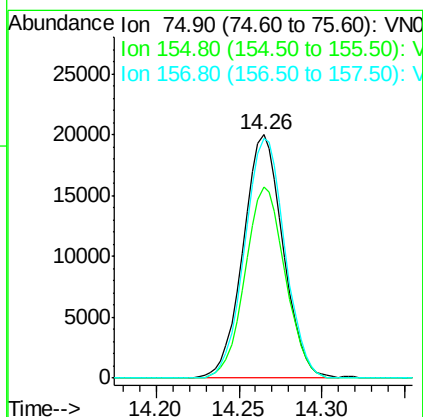
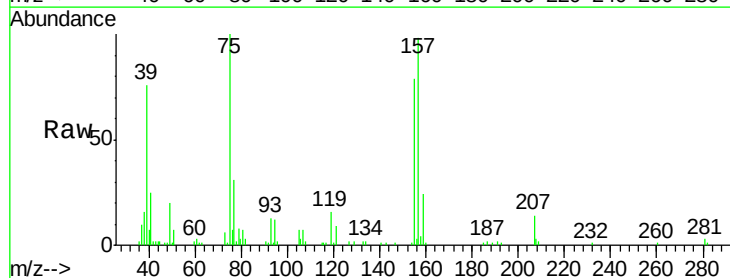
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

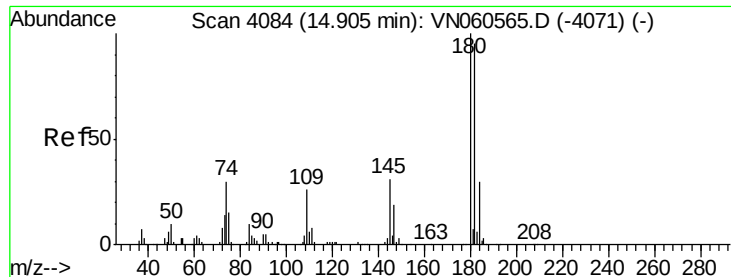
Tgt Ion: 146 Resp: 230582
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.0 63.0
 148 63.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.011 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion: 75 Resp: 33499
 Ion Ratio Lower Upper
 75 100
 155 78.4 40.7 122.1
 157 98.8 51.5 154.7

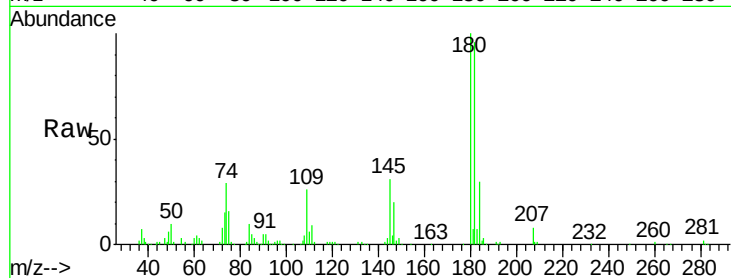




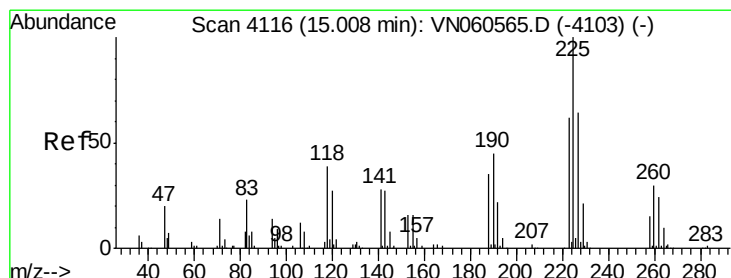
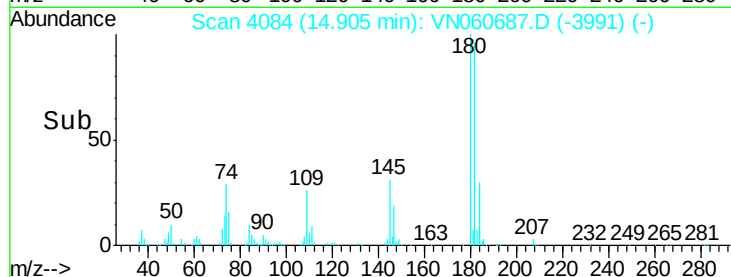
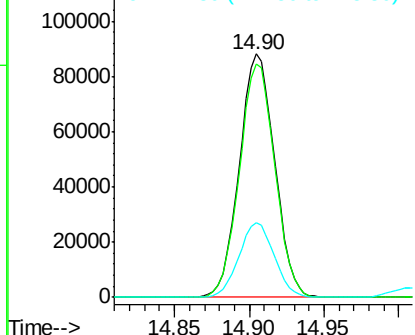
#93
 1,2,4-Trichlorobenzene
 Concen: 54.883 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 144837
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.9 143.8
 145 30.6 15.4 46.2

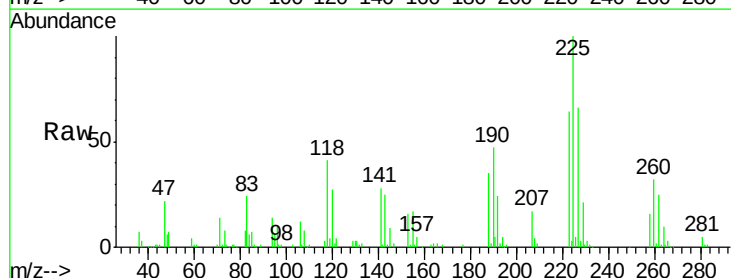


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

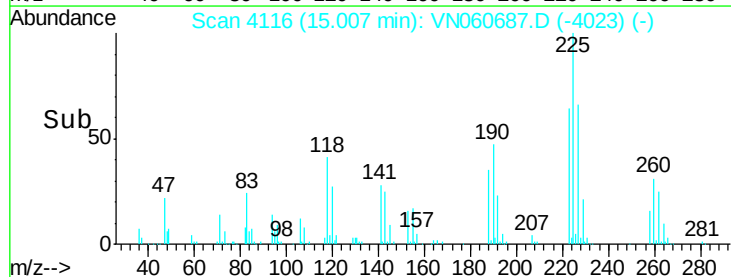
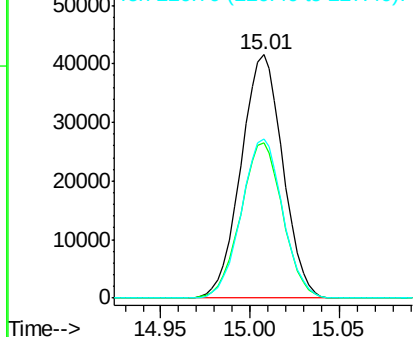


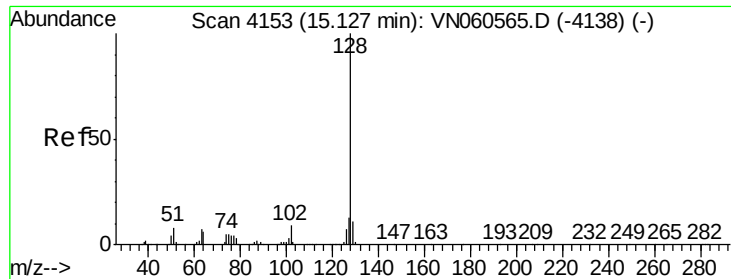
#94
 Hexachlorobutadiene
 Concen: 52.697 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060687.D
 Acq: 25 Mar 2020 11:06

Tgt Ion:225 Resp: 68175
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.6 95.0
 227 64.5 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

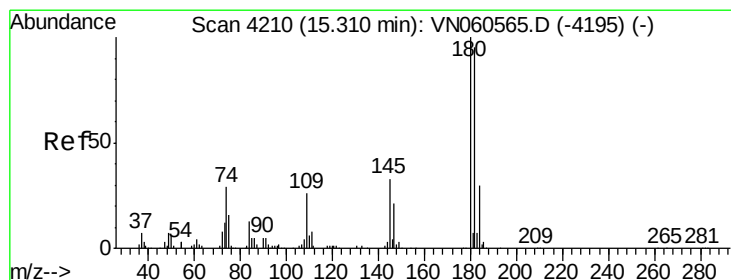
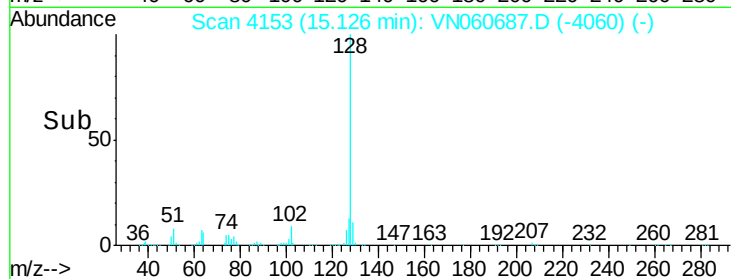
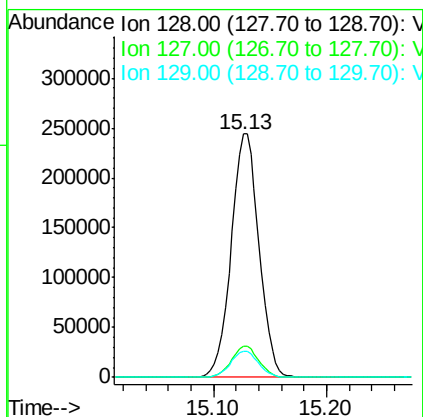
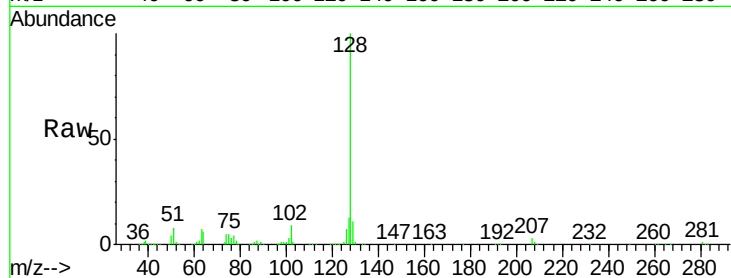




#95
Naphthalene
Concen: 52.441 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 416255
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.844 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060687.D
Acq: 25 Mar 2020 11:06

Tgt Ion:180 Resp: 137361
Ion Ratio Lower Upper
180 100
182 93.5 47.5 142.6
145 31.9 16.3 48.8

