

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013200.D
 Acq On : 24 Oct 2019 10:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 25 01:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	87706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	123090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	123806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	90482	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.48	113	74048	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	8.71	98	267913	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.13	95	107042	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	84956	48.005	ug/l	97
3) Chloromethane	1.32	50	70336	48.295	ug/l	99
4) Vinyl Chloride	1.40	62	74738	46.926	ug/l	100
5) Bromomethane	1.63	94	37138	43.994	ug/l	94
6) Chloroethane	1.71	64	47200	53.115	ug/l	98
7) Trichlorofluoromethane	1.92	101	127104	50.571	ug/l	99
8) Diethyl Ether	2.18	74	42042	48.775	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	77389	49.722	ug/l	99
10) Methyl Iodide	2.50	142	92136	47.200	ug/l	100
11) Tert butyl alcohol	3.03	59	93807	235.658	ug/l	99
12) 1,1-Dichloroethene	2.36	96	72803	48.728	ug/l	99
13) Acrolein	2.28	56	49578	230.354	ug/l	99
14) Allyl chloride	2.72	41	112655	47.894	ug/l	99
15) Acrylonitrile	3.13	53	189522	234.392	ug/l	100
16) Acetone	2.43	43	250731	290.120	ug/l	97
17) Carbon Disulfide	2.56	76	188745	46.989	ug/l	100
18) Methyl Acetate	2.76	43	89762	47.613	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	253486	48.179	ug/l	99
20) Methylene Chloride	2.84	84	81076	50.165	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	78642	50.583	ug/l	95
22) Diisopropyl ether	3.84	45	223201	48.531	ug/l	90
23) Vinyl Acetate	3.80	43	970832	248.354	ug/l	99
24) 1,1-Dichloroethane	3.69	63	136163	48.133	ug/l	98
25) 2-Butanone	4.65	43	293933	253.605	ug/l	100
26) 2,2-Dichloropropane	4.57	77	130293	49.836	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	88232	48.220	ug/l	98
28) Bromochloromethane	5.00	49	38014	52.114	ug/l	99
29) Tetrahydrofuran	5.11	42	158169	226.403	ug/l	99
30) Chloroform	5.20	83	145295	48.240	ug/l	99
31) Cyclohexane	5.57	56	119585	50.407	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	133922	50.008	ug/l	99
36) 1,1-Dichloropropene	5.78	75	111039	53.897	ug/l	99
37) Ethyl Acetate	4.81	43	98545	48.042	ug/l	99
38) Carbon Tetrachloride	5.77	117	117222	51.522	ug/l	97

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Quant Time: Oct 25 01:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	133325	50.595	ug/l	97
40) Benzene	6.13	78	307994	49.816	ug/l	98
41) Methacrylonitrile	5.03	41	55022	50.033	ug/l	99
42) 1,2-Dichloroethane	6.18	62	119875	51.425	ug/l	99
43) Isopropyl Acetate	6.43	43	169717	49.834	ug/l	99
44) Trichloroethene	7.20	130	86806	49.470	ug/l	97
45) 1,2-Dichloropropane	7.50	63	76788	49.588	ug/l	98
46) Dibromomethane	7.65	93	54427	48.784	ug/l	99
47) Bromodichloromethane	7.89	83	114052	52.457	ug/l	99
48) Methyl methacrylate	7.76	41	82893	49.246	ug/l	99
49) 1,4-Dioxane	7.73	88	41224	962.264	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	503651	242.625	ug/l	99
52) Toluene	8.78	92	202723	49.476	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	125729	54.417	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	135617	53.656	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	81279	50.174	ug/l	99
56) Ethyl methacrylate	9.17	69	127813	52.423	ug/l	99
57) 1,3-Dichloropropane	9.37	76	136686	50.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	268791	282.537	ug/l	100
59) 2-Hexanone	9.48	43	409875	256.331	ug/l	98
60) Dibromochloromethane	9.57	129	90104	53.082	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86278	50.169	ug/l	99
64) Tetrachloroethene	9.33	164	87569	57.618	ug/l	98
65) Chlorobenzene	10.14	112	216017	49.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	84608	52.847	ug/l	98
67) Ethyl Benzene	10.25	91	394848	50.891	ug/l	98
68) m/p-Xylenes	10.35	106	302339	103.112	ug/l	98
69) o-Xylene	10.70	106	142091	50.517	ug/l	100
70) Styrene	10.71	104	252045	52.040	ug/l	99
71) Bromoform	10.85	173	64713	55.319	ug/l	100
73) Isopropylbenzene	11.01	105	400804	49.806	ug/l	99
74) N-amyl acetate	10.89	43	145643	49.310	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	118143	48.350	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	141407	66.206	ug/l	86
77) Bromobenzene	11.25	156	95673	49.604	ug/l	97
78) n-propylbenzene	11.35	91	433411	49.582	ug/l	98
79) 2-Chlorotoluene	11.42	91	263785	47.761	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	335536	50.164	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	40220	51.746	ug/l	99
82) 4-Chlorotoluene	11.51	91	308000	49.218	ug/l	96
83) tert-Butylbenzene	11.76	119	325799	49.231	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	332896	49.341	ug/l	99
85) sec-Butylbenzene	11.94	105	370168	49.153	ug/l	100
86) p-Isopropyltoluene	12.06	119	367219	51.903	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	173139	49.690	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	174060	49.064	ug/l	98
89) n-Butylbenzene	12.39	91	300499	51.920	ug/l	99
90) Hexachloroethane	12.59	117	62337	52.612	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	169030	49.333	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30886	50.830	ug/l	96

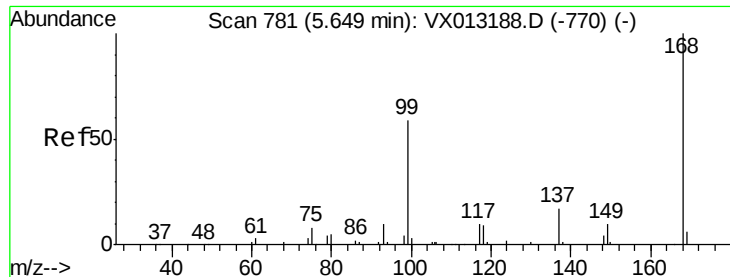
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	112922	52.338	ug/l	98
94) Hexachlorobutadiene	13.78	225	56281	50.428	ug/l	98
95) Naphthalene	13.83	128	352881	53.291	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	113684	53.323	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

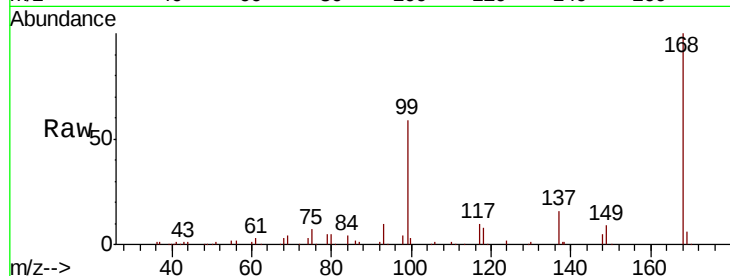
VSTDCCC050

Tot Ion:168 Resp: 87706

Ion Ratio Lower Upper

168 100

99 58.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

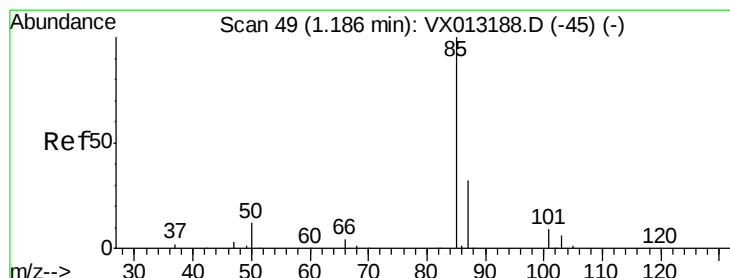
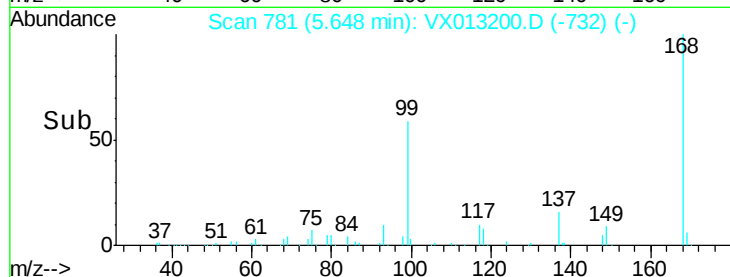
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.005 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013200.D

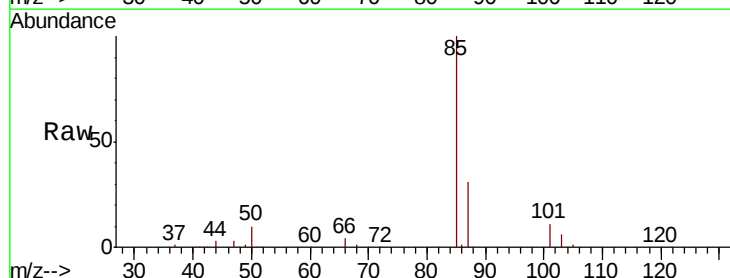
Acq: 24 Oct 2019 10:00

Tgt Ion: 85 Resp: 84956

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

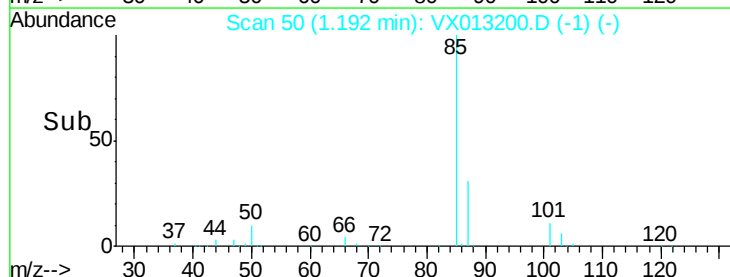
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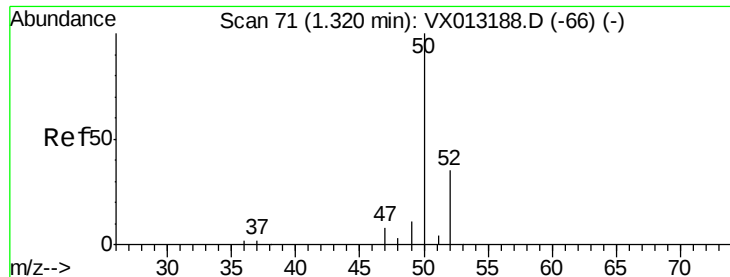
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.295 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

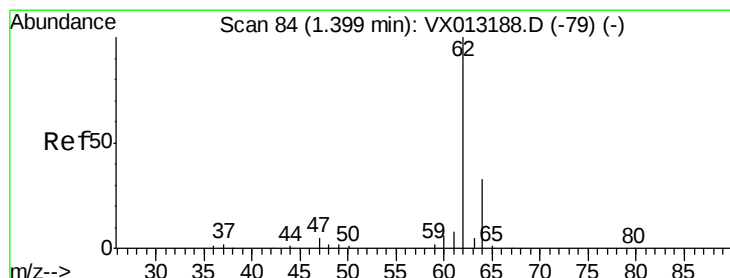
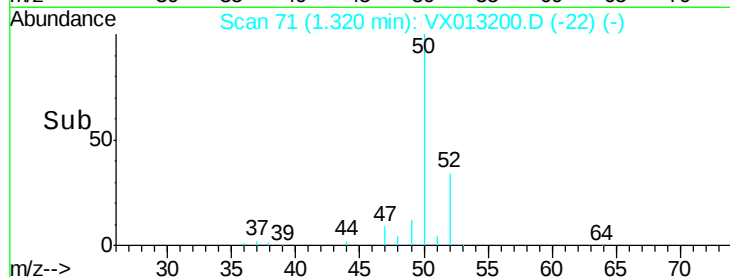
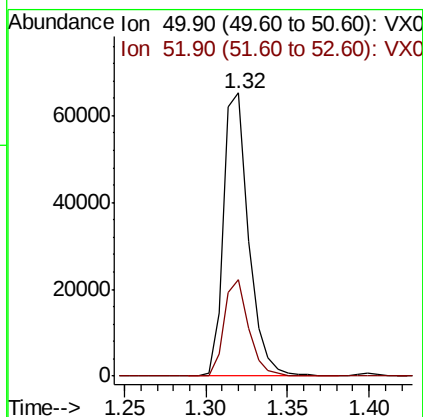
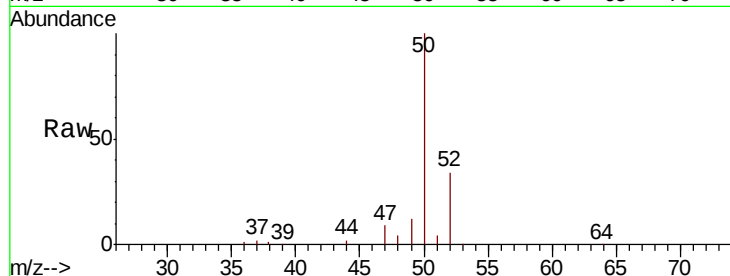
VSTDCCC050

Tot Ion: 50 Resp: 70336

Ion Ratio Lower Upper

50 100

52 34.3 27.8 41.6



#4

Vinyl Chloride

Concen: 46.926 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013200.D

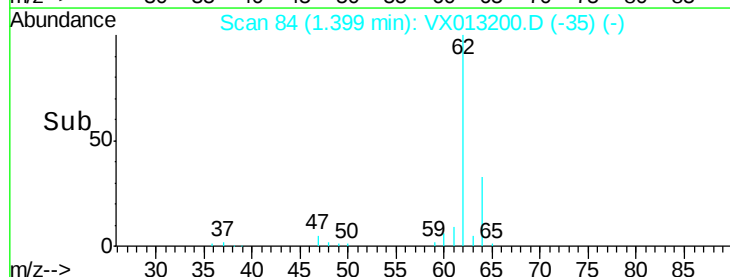
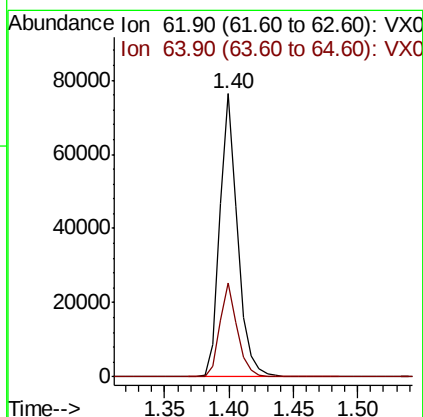
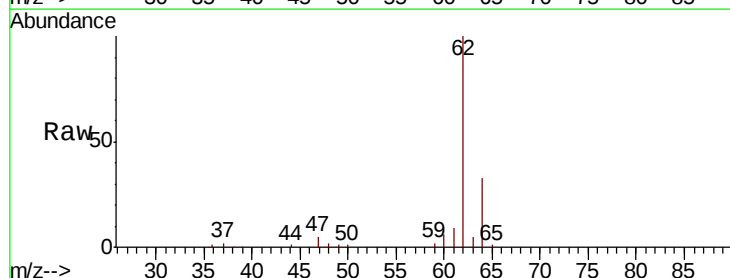
Acq: 24 Oct 2019 10:00

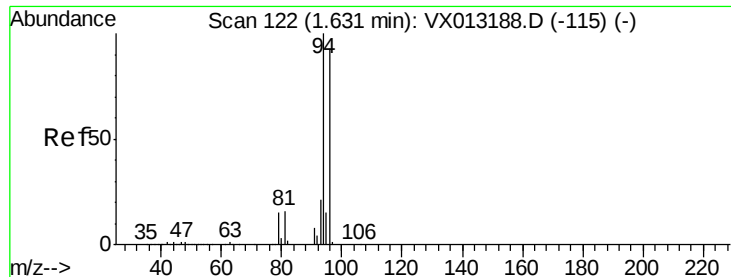
Tgt Ion: 62 Resp: 74738

Ion Ratio Lower Upper

62 100

64 33.0 26.4 39.6





#5

Bromomethane

Concen: 43.994 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

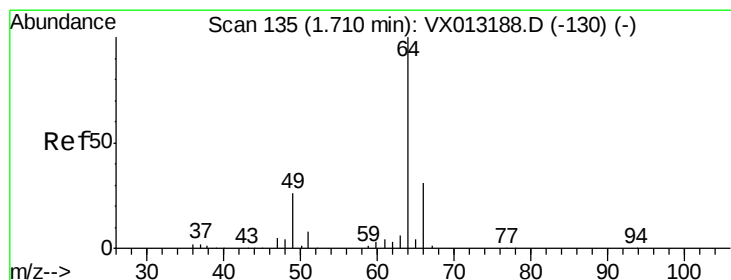
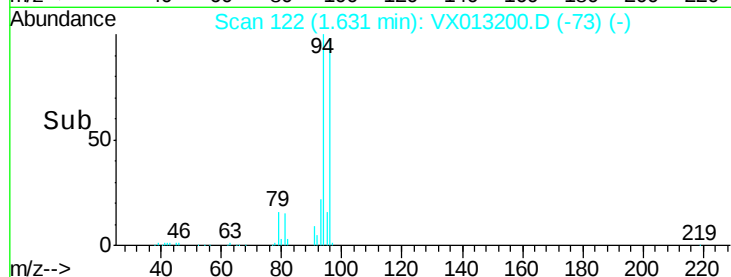
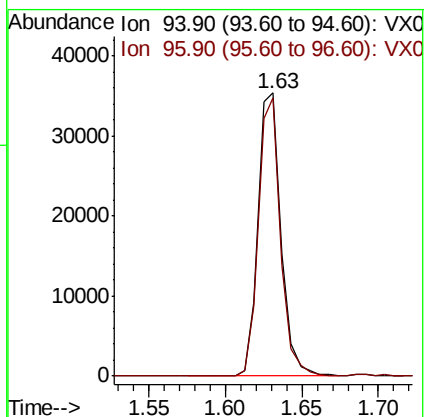
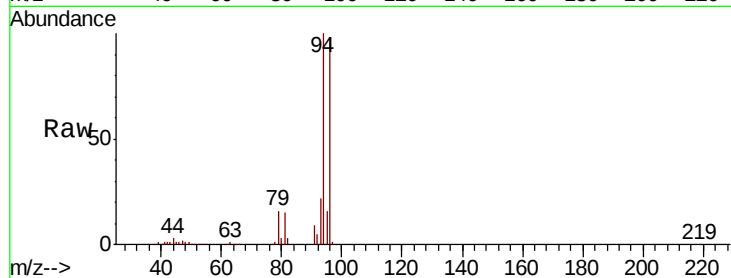
VSTDCCC050

Tot Ion: 94 Resp: 37138

Ion Ratio Lower Upper

94 100

96 98.4 74.2 111.2



#6

Chloroethane

Concen: 53.115 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013200.D

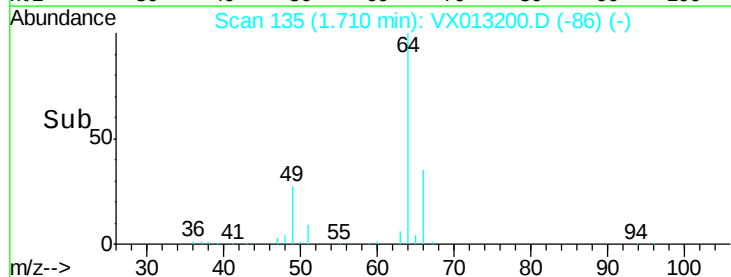
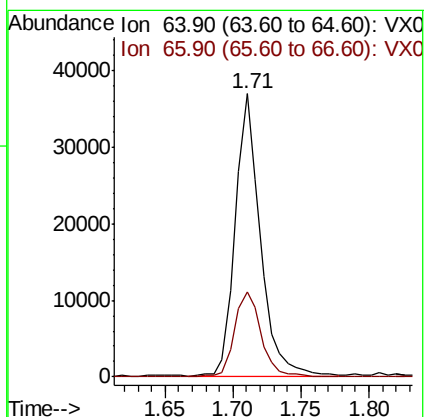
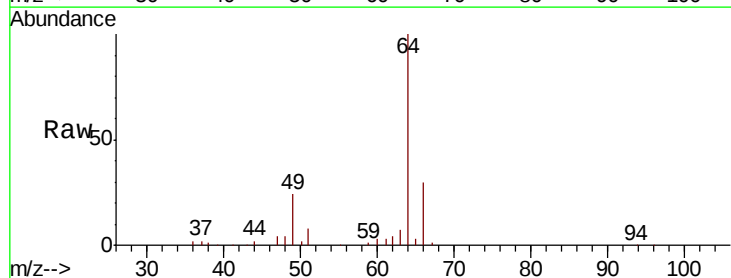
Acq: 24 Oct 2019 10:00

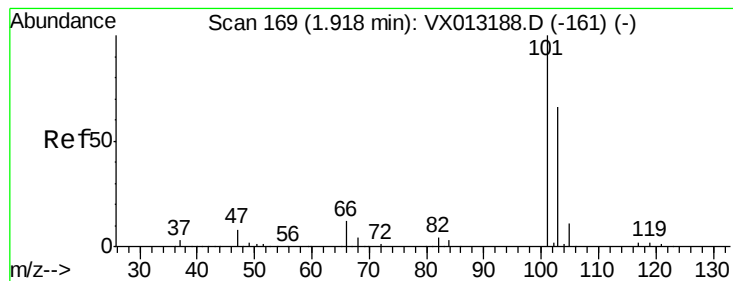
Tgt Ion: 64 Resp: 47200

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.6



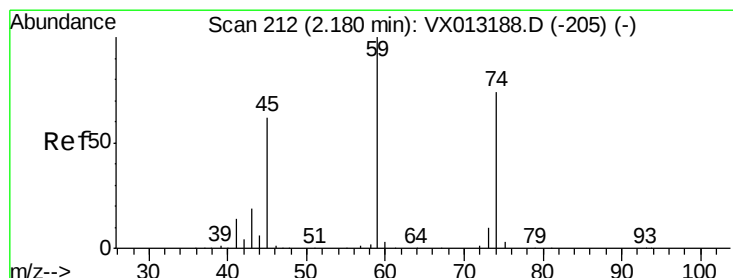
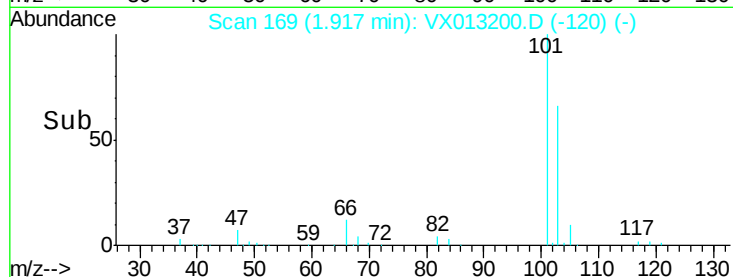
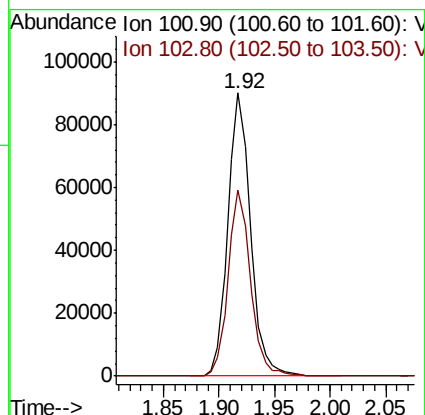
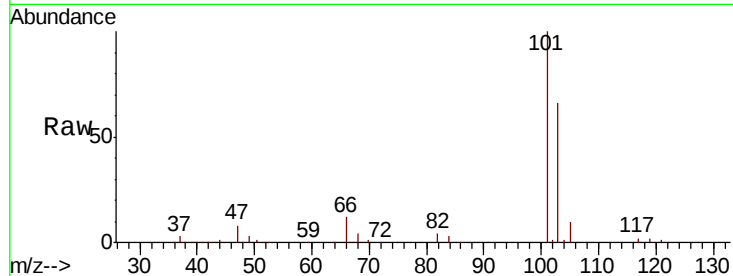


#7

Trichlorofluoromethane
 Concen: 50.571 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Instrument :
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 ClientSampleId :
 VSTDCCC050

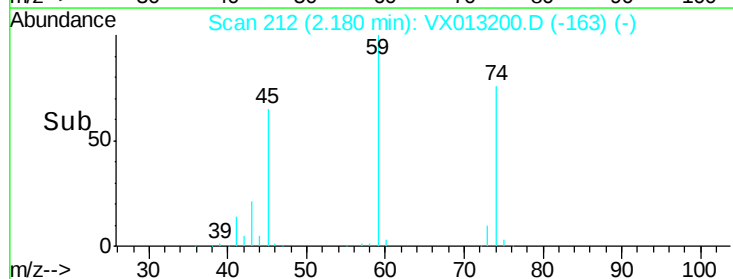
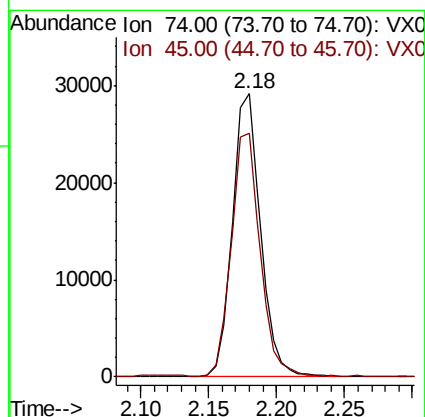
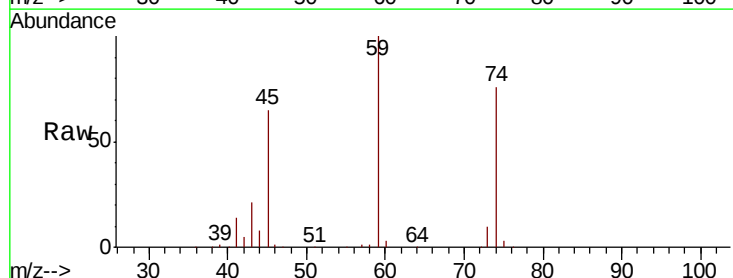
Tot Ion:101 Resp: 127104
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.0 79.6

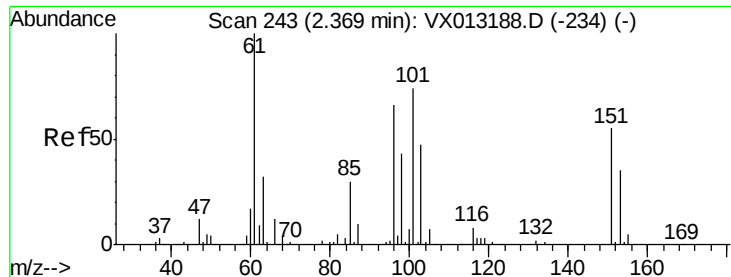


#8

Diethyl Ether
 Concen: 48.775 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion: 74 Resp: 42042
 Ion Ratio Lower Upper
 74 100
 45 88.9 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.722 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

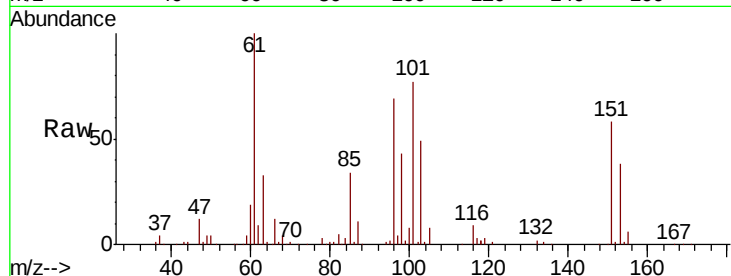
Tot Ion:101 Resp: 77389

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

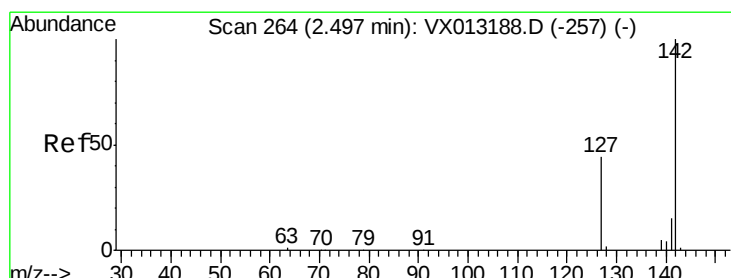
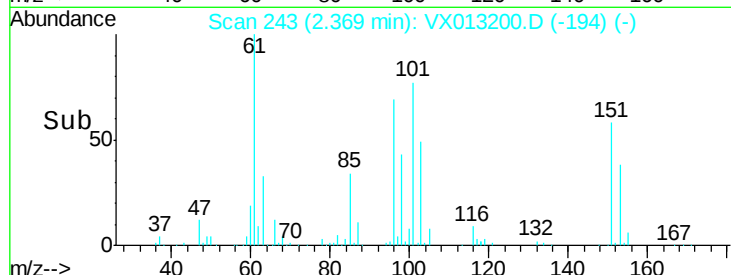
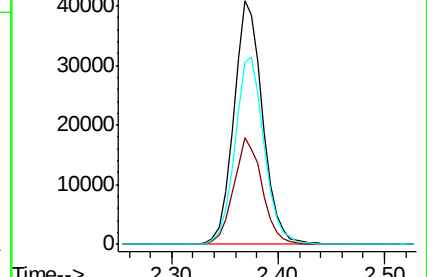
151 78.0 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.200 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

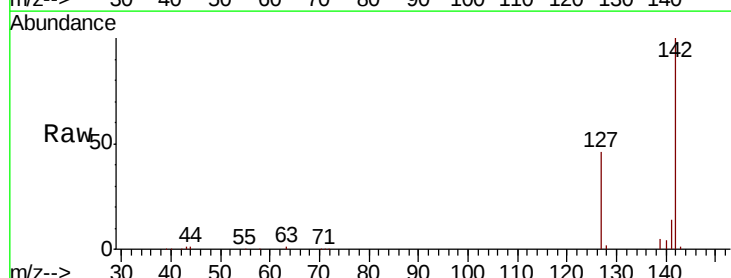
Tgt Ion:142 Resp: 92136

Ion Ratio Lower Upper

142 100

127 44.2 35.6 53.4

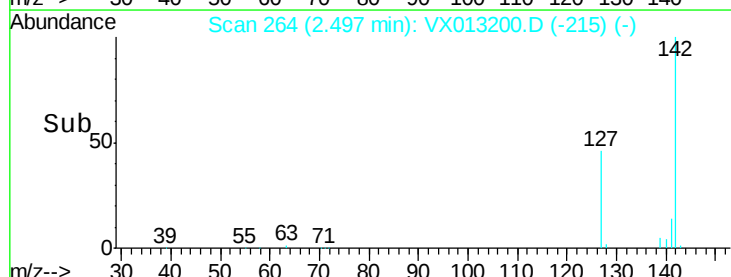
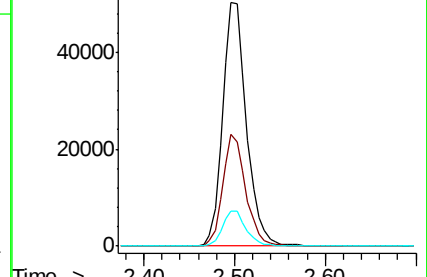
141 14.3 11.6 17.4

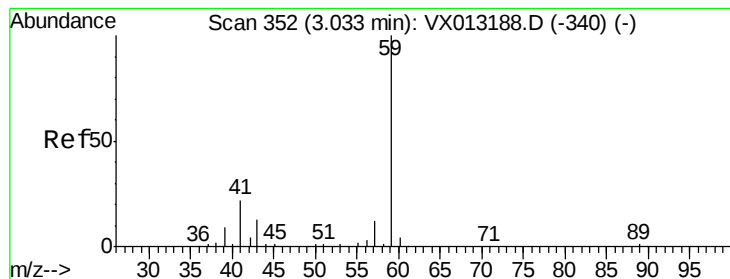


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



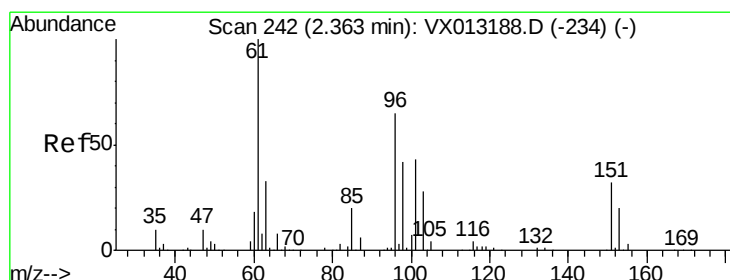
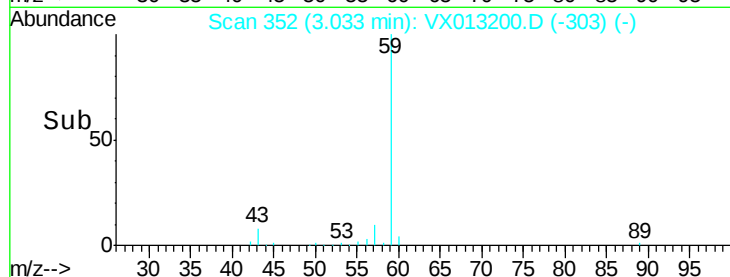
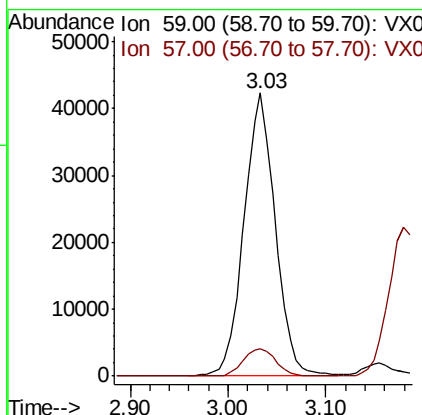
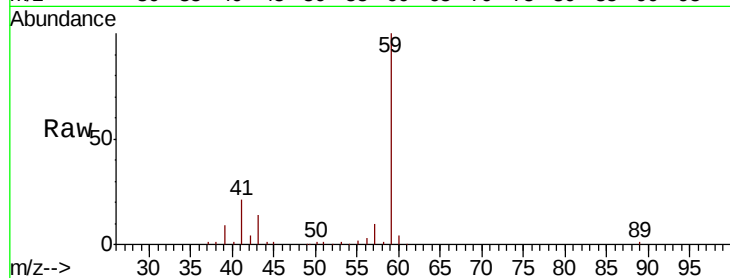


#11

Tert butyl alcohol
 Concen: 235.658 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

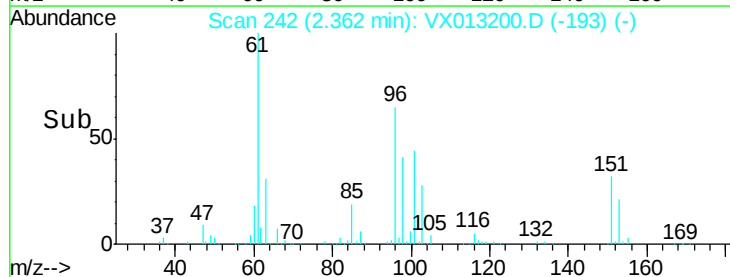
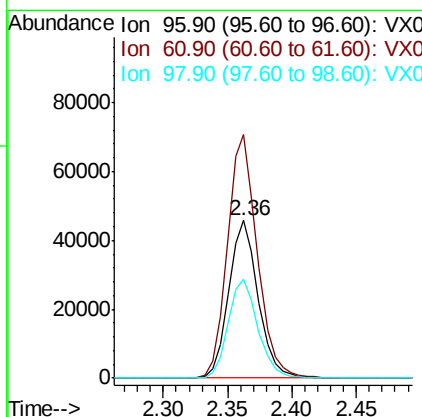
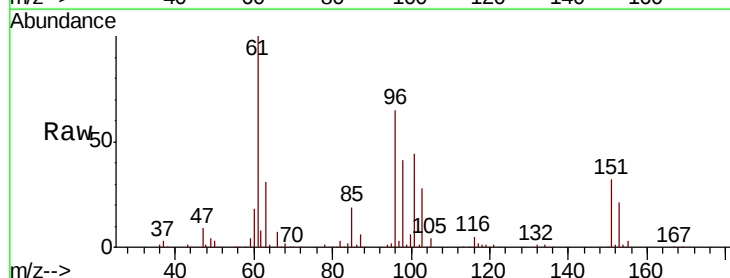
Tot Ion: 59 Resp: 93807
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

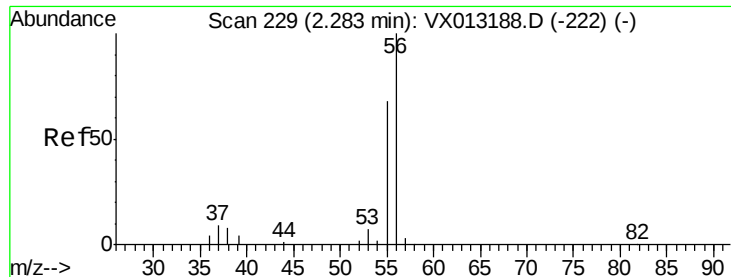


#12

1,1-Dichloroethene
 Concen: 48.728 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion: 96 Resp: 72803
 Ion Ratio Lower Upper
 96 100
 61 154.4 123.8 185.8
 98 62.7 51.6 77.4





#13

Acrolein

Concen: 230.354 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

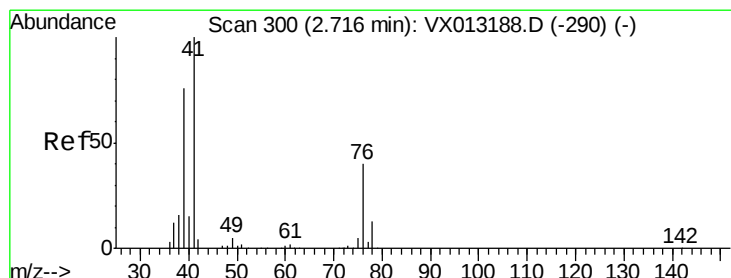
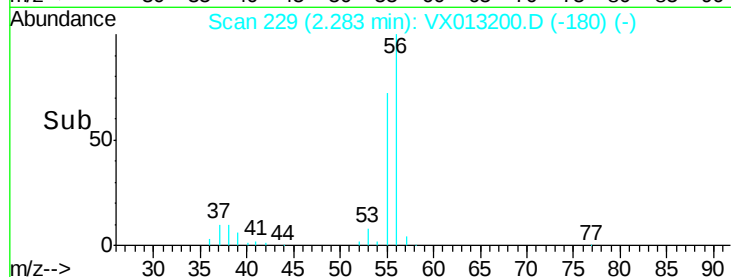
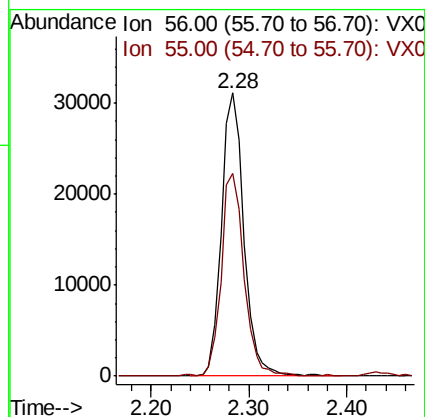
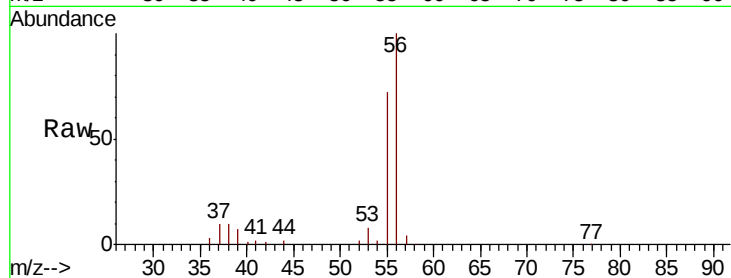
VSTDCCC050

Tot Ion: 56 Resp: 49578

Ion Ratio Lower Upper

56 100

55 72.8 58.9 88.3



#14

Allyl chloride

Concen: 47.894 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

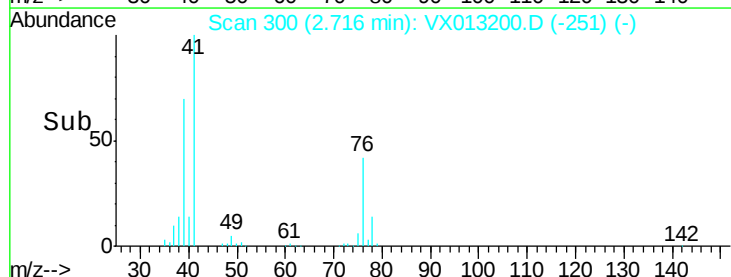
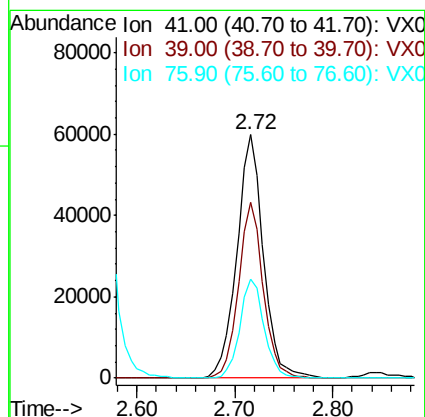
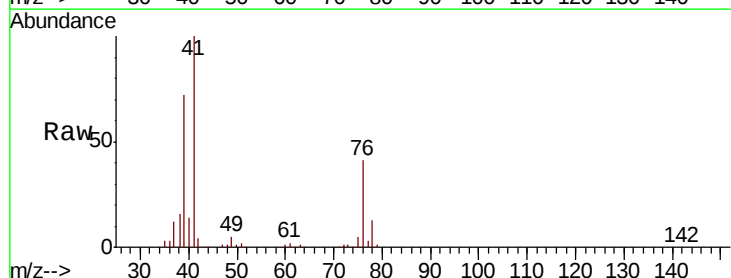
Tgt Ion: 41 Resp: 112655

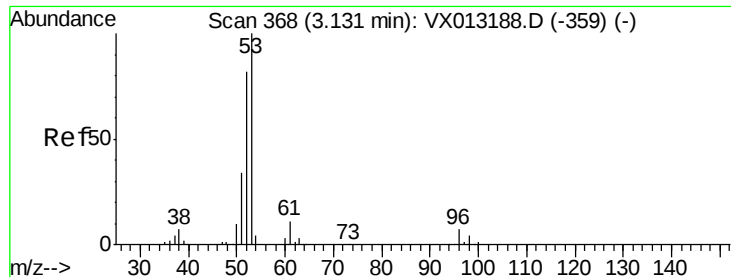
Ion Ratio Lower Upper

41 100

39 67.6 54.6 81.8

76 37.4 29.8 44.6





#15

Acrylonitrile

Concen: 234.392 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

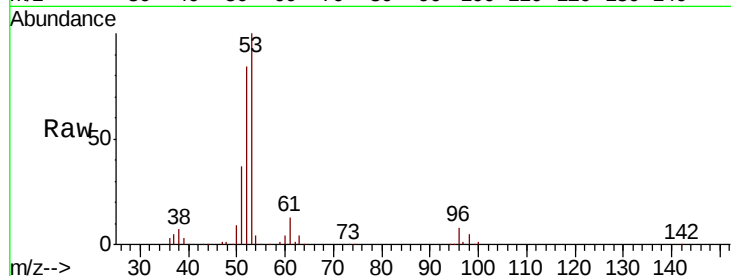
Tot Ion: 53 Resp: 189522

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

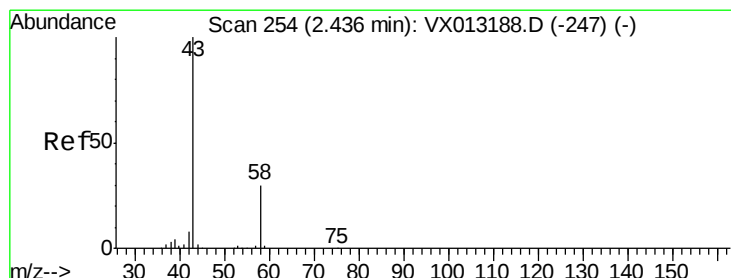
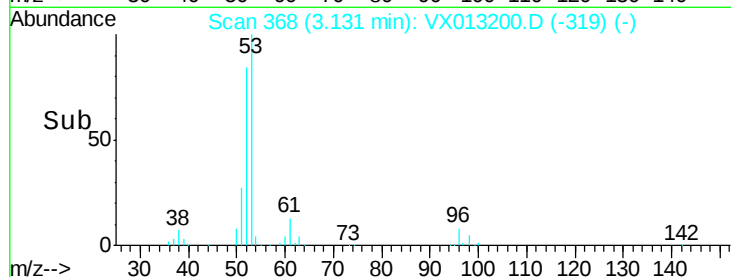
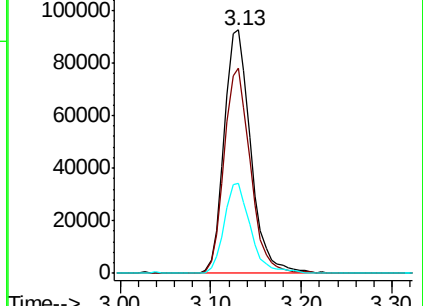
51 37.0 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 290.120 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013200.D

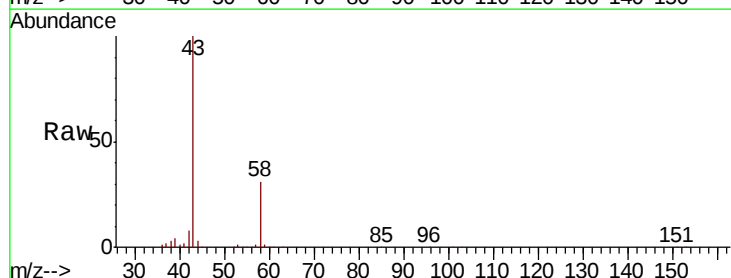
Acq: 24 Oct 2019 10:00

Tgt Ion: 43 Resp: 250731

Ion Ratio Lower Upper

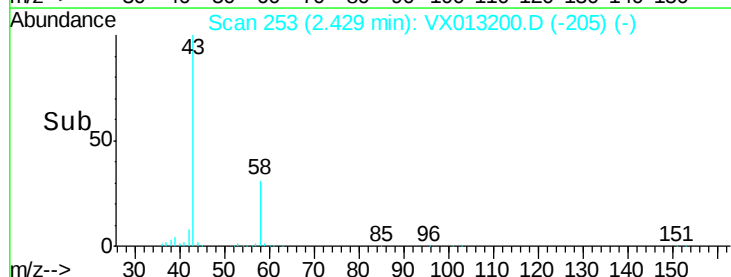
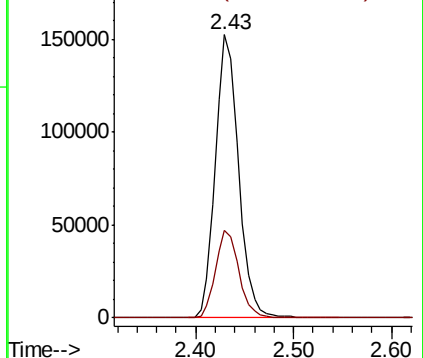
43 100

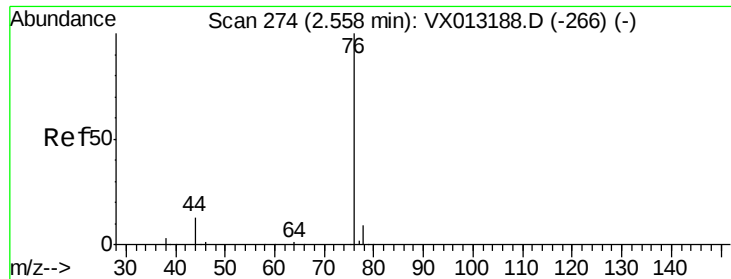
58 31.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

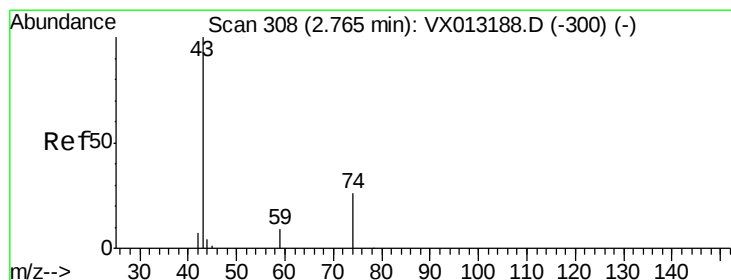
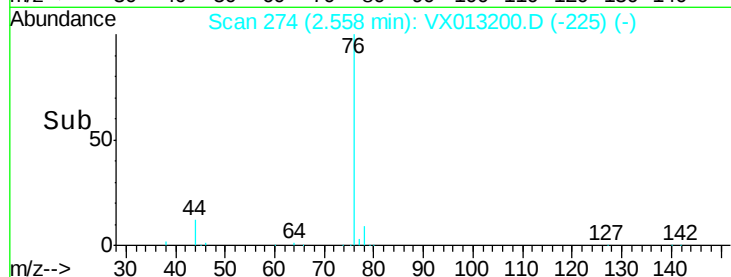
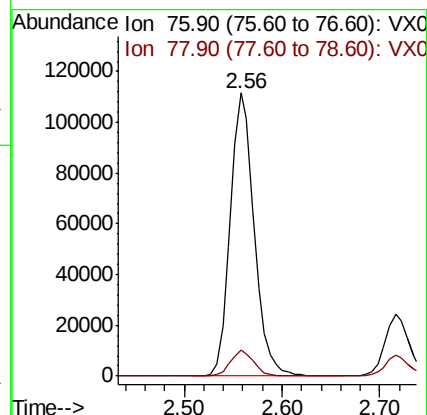
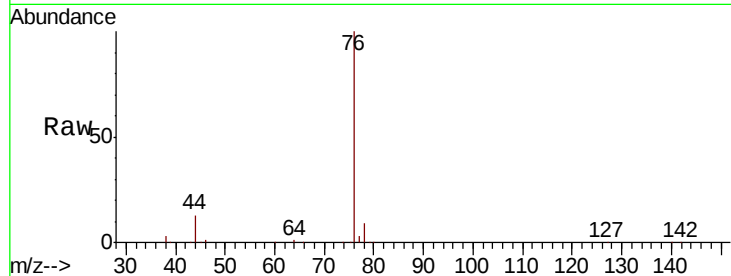




#17
Carbon Disulfide
Concen: 46.989 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

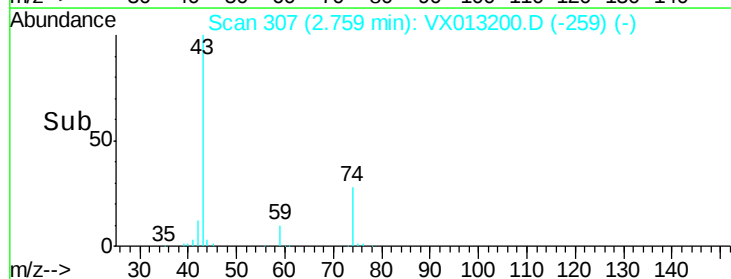
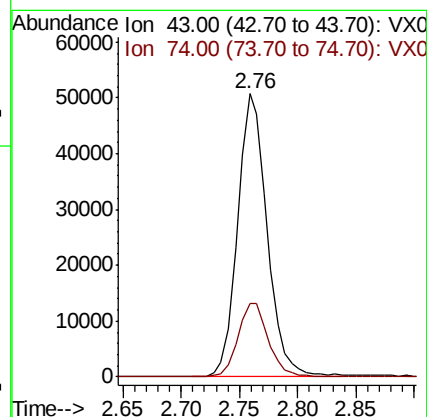
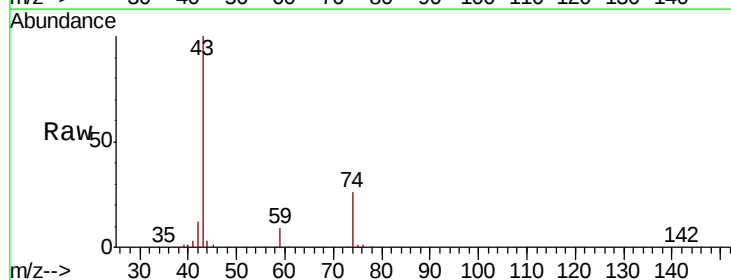
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

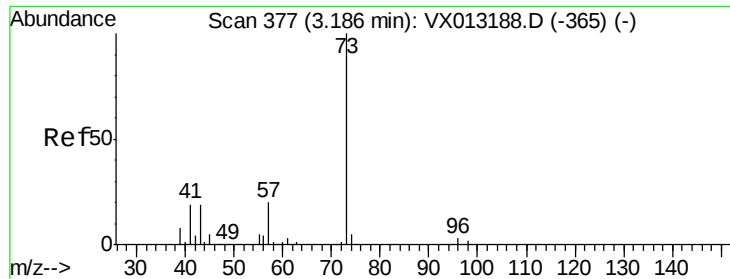
Tot Ion: 76 Resp: 188745
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 47.613 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 43 Resp: 89762
Ion Ratio Lower Upper
43 100
74 26.8 20.9 31.3

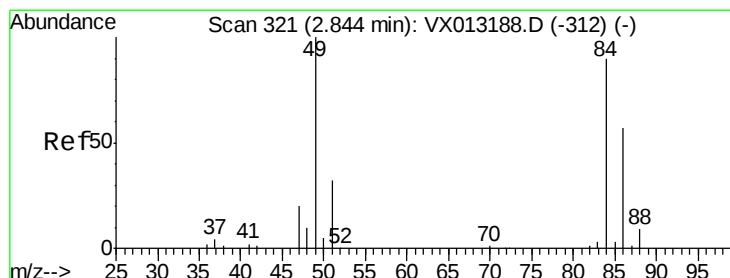
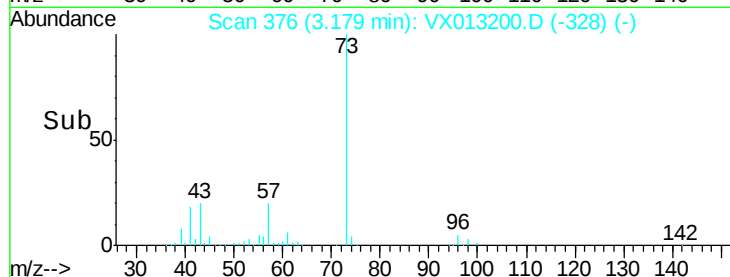
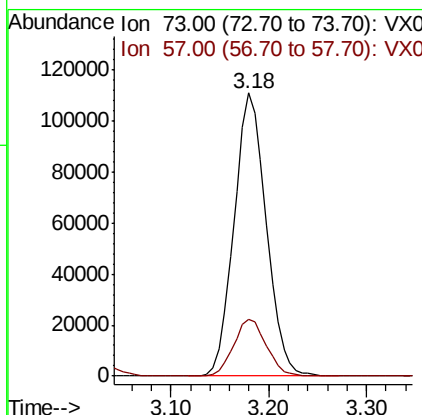
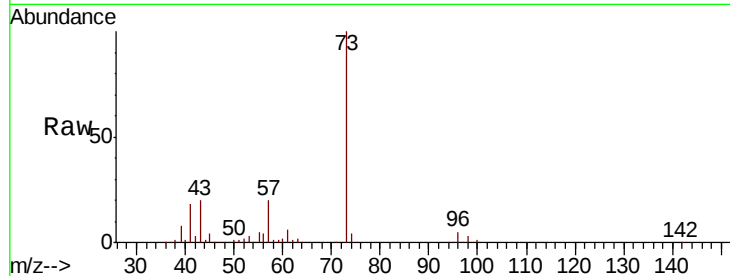




#19
Methyl tert-butyl Ether
Concen: 48.179 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

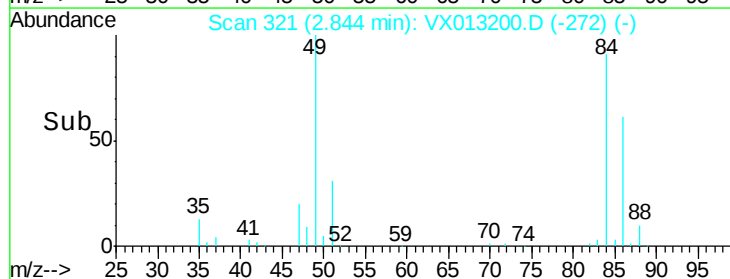
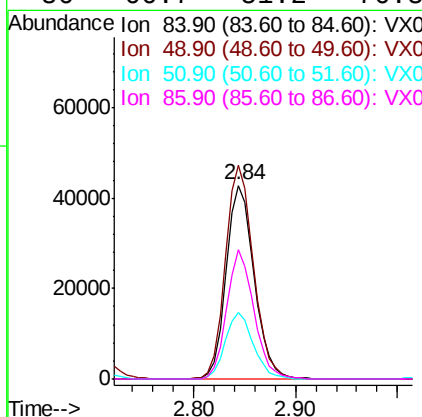
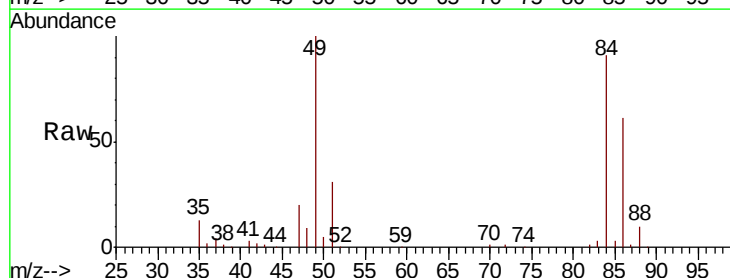
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

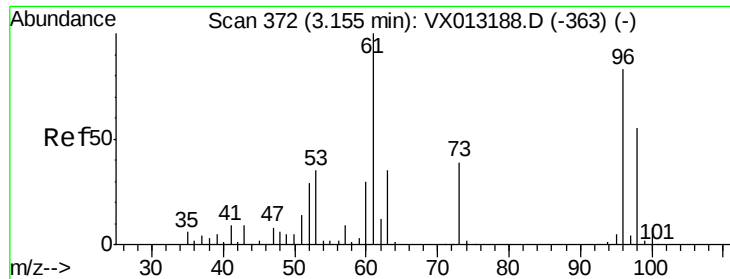
Tot Ion: 73 Resp: 253486
Ion Ratio Lower Upper
73 100
57 20.0 15.8 23.8



#20
Methylene Chloride
Concen: 50.165 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 84 Resp: 81076
Ion Ratio Lower Upper
84 100
49 110.2 89.2 133.8
51 34.2 28.8 43.2
86 66.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.583 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

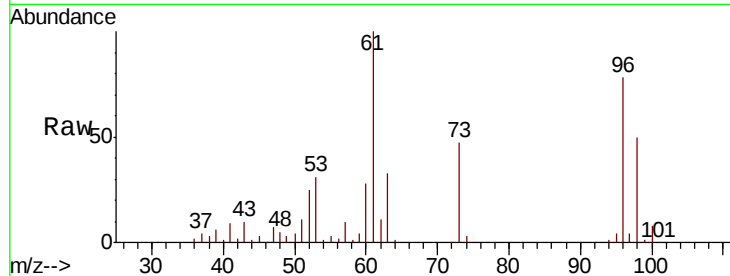
Tot Ion: 96 Resp: 78642

Ion Ratio Lower Upper

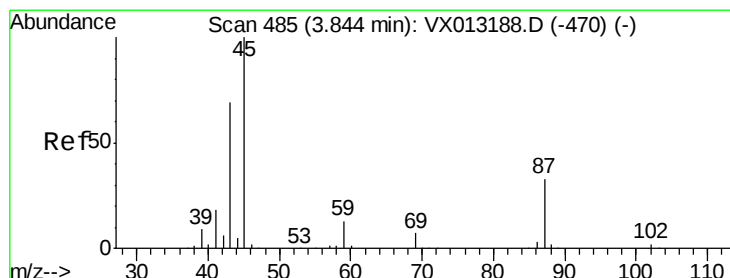
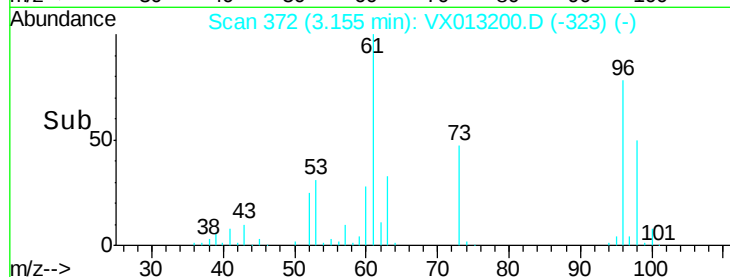
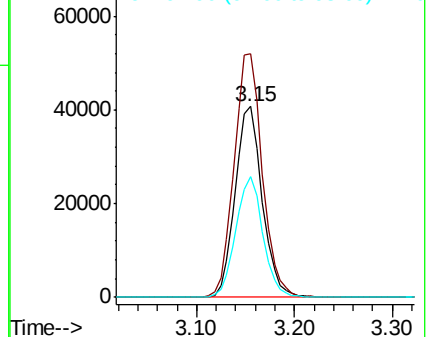
96 100

61 127.8 96.9 145.3

98 63.6 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.531 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Tgt Ion: 45 Resp: 223201

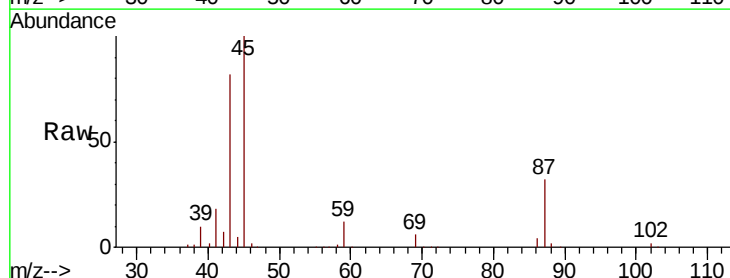
Ion Ratio Lower Upper

45 100

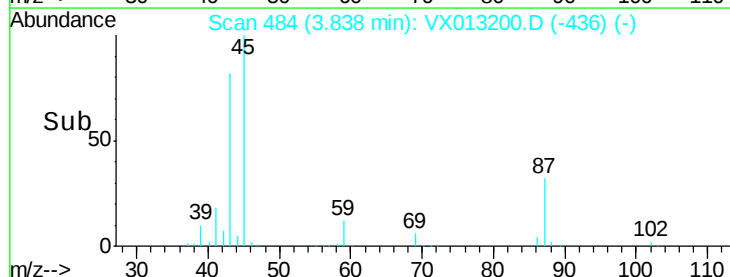
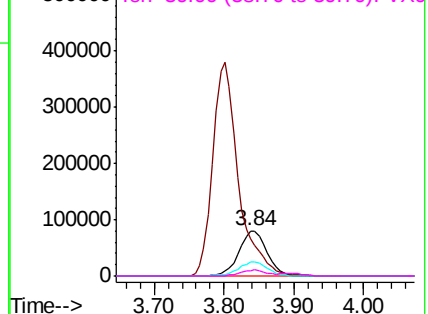
43 81.1 55.5 83.3

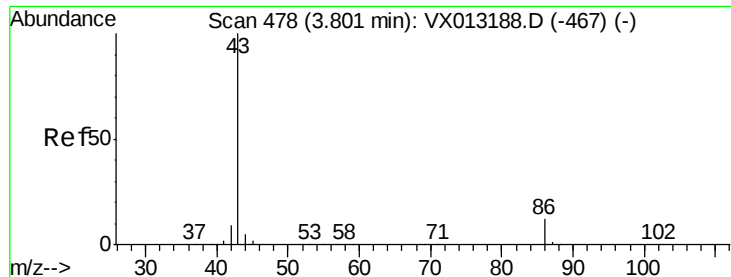
87 31.6 26.7 40.1

59 11.8 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 248.354 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

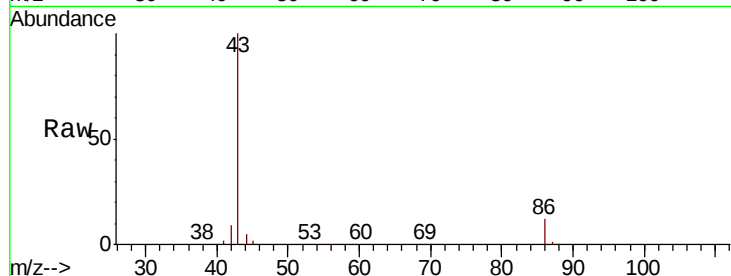
VSTDCCC050

Tot Ion: 43 Resp: 970832

Ion Ratio Lower Upper

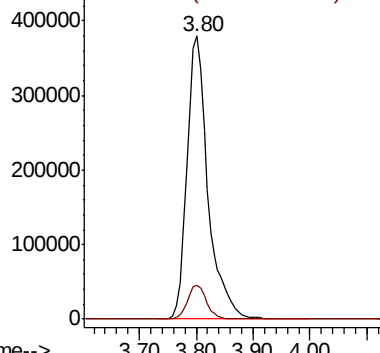
43 100

86 11.7 9.7 14.5

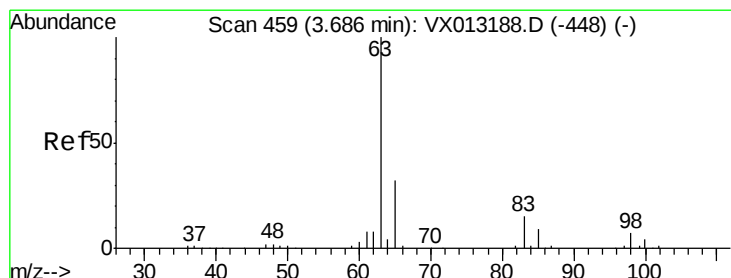
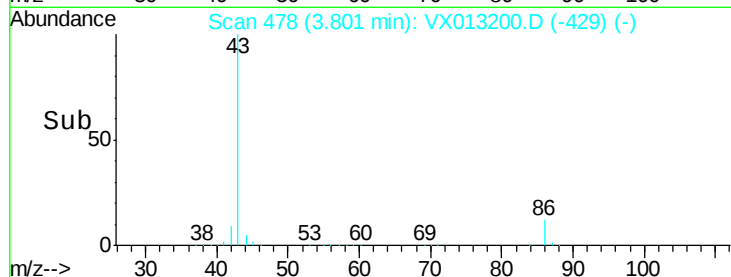


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 48.133 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

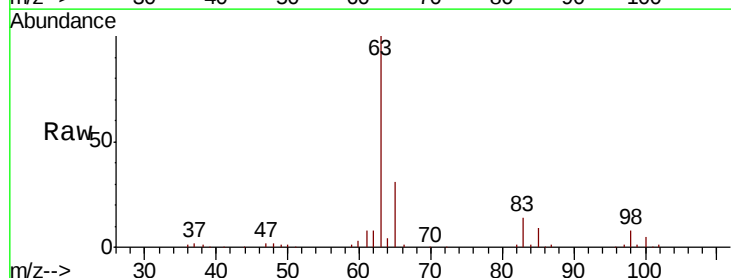
Tgt Ion: 63 Resp: 136163

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

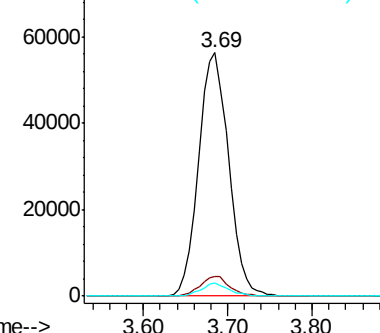
100 5.2 2.2 6.6



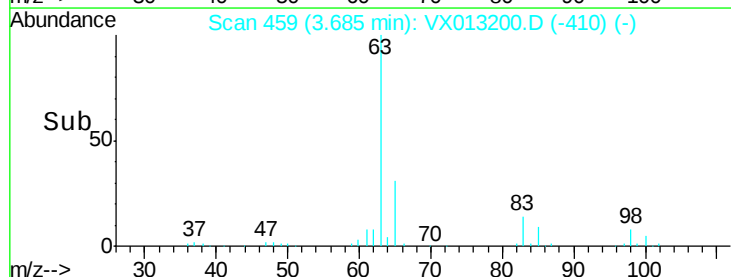
Abundance Ion 62.90 (62.60 to 63.60): VX0

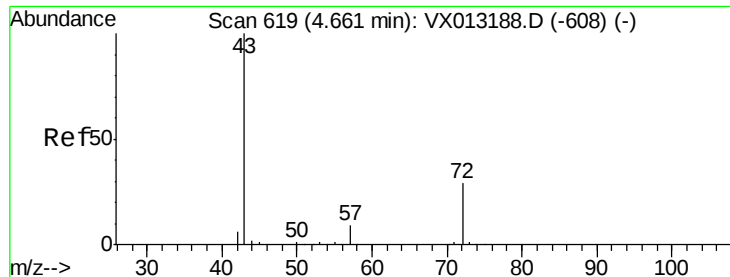
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 253.605 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

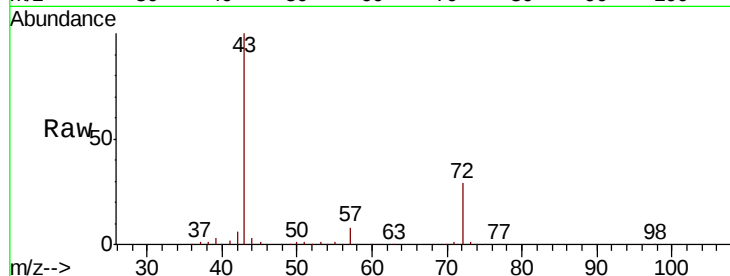
VSTDCCC050

Tot Ion: 43 Resp: 293933

Ion Ratio Lower Upper

43 100

72 29.4 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

0

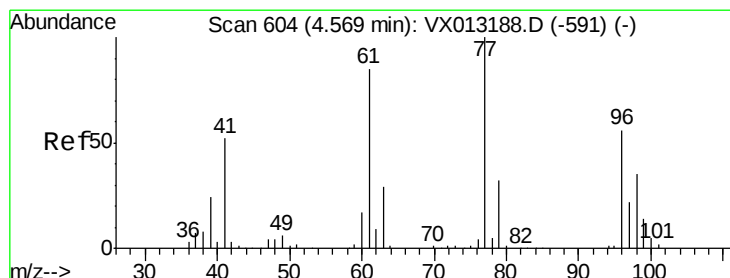
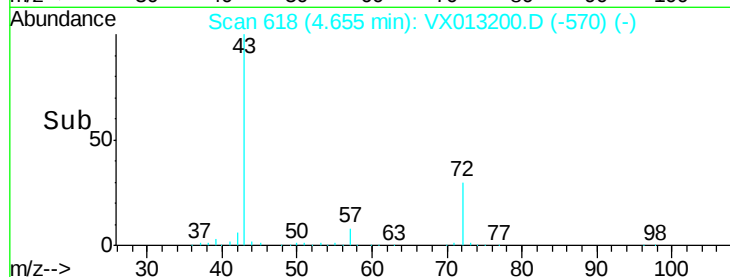
4.50

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.836 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013200.D

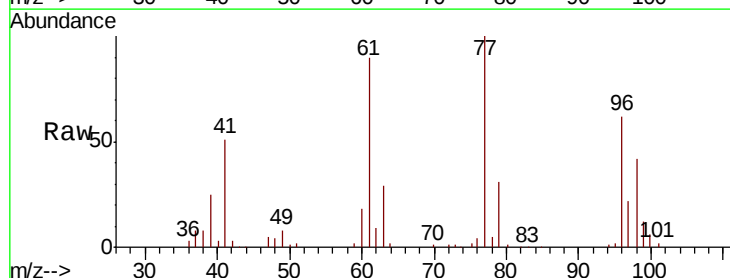
Acq: 24 Oct 2019 10:00

Tgt Ion: 77 Resp: 130293

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

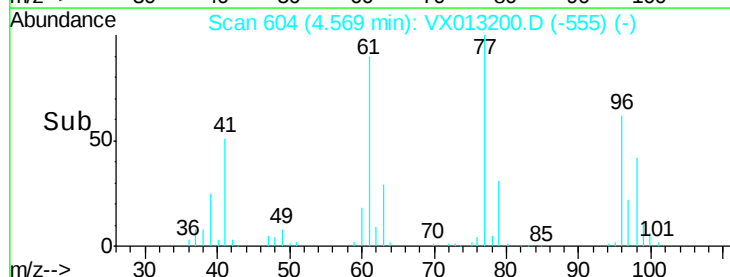
4.40

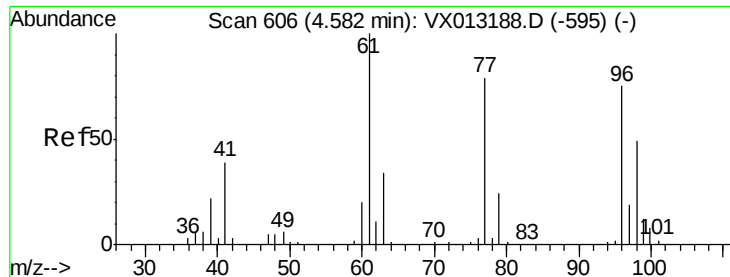
4.50

4.60

4.70

Time-->



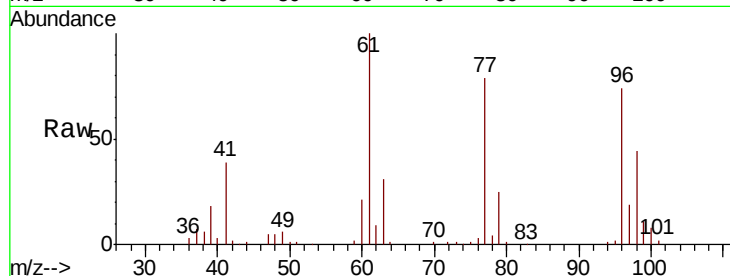


#27

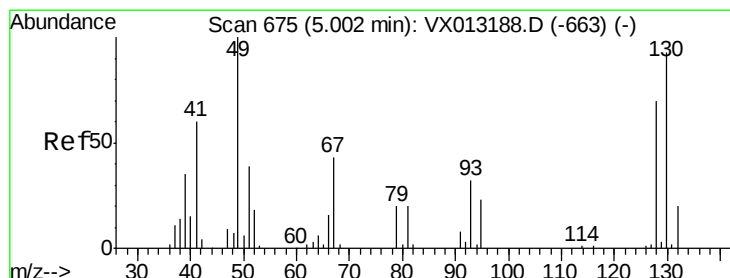
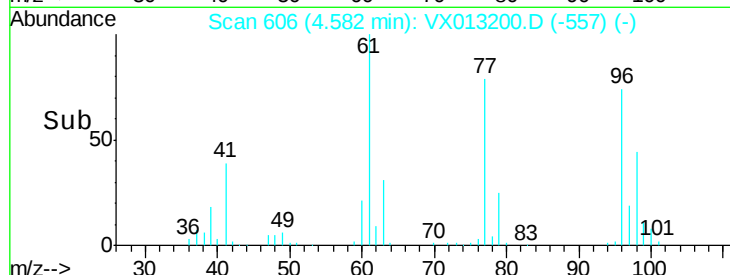
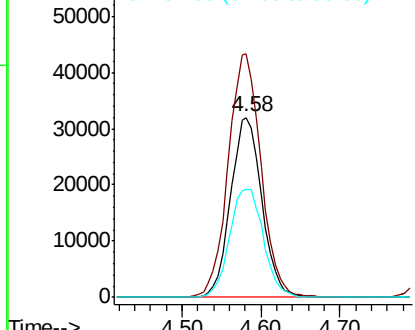
cis-1,2-Dichloroethene
Concen: 48.220 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 88232
Ion Ratio Lower Upper
96 100
61 141.8 0.0 290.4
98 65.0 0.0 130.4



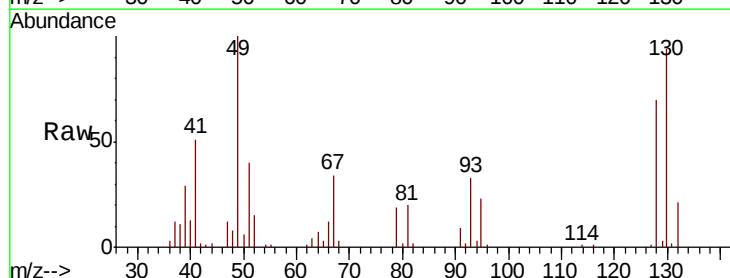
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



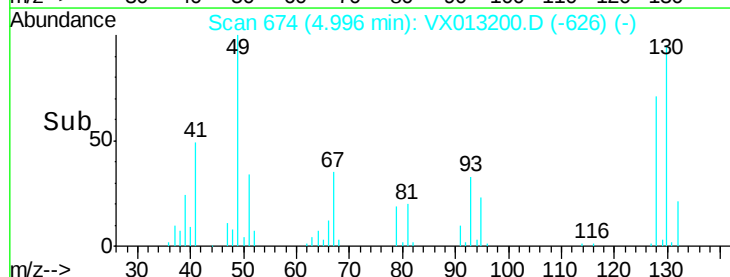
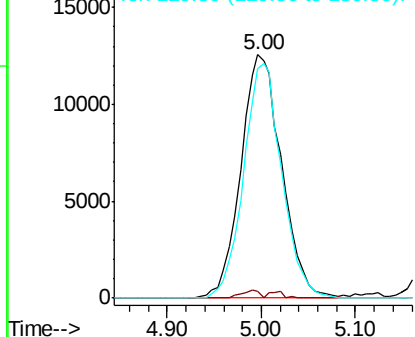
#28

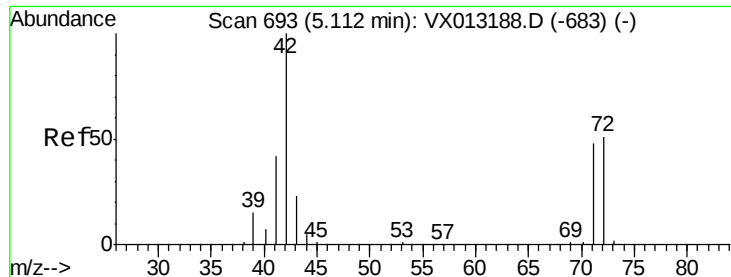
Bromochloromethane
Concen: 52.114 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 49 Resp: 38014
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.8
130 90.4 71.8 107.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

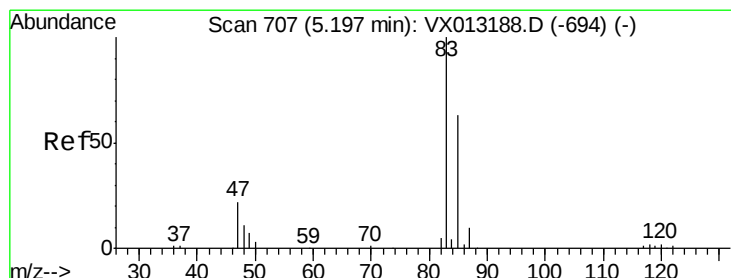
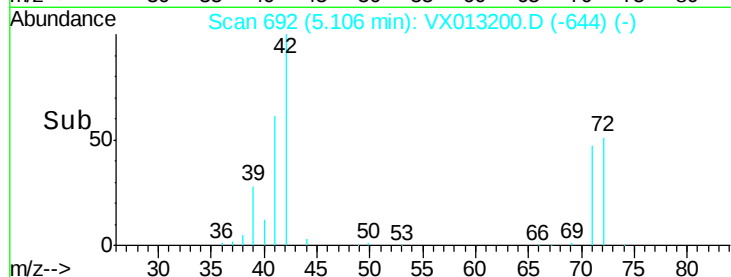
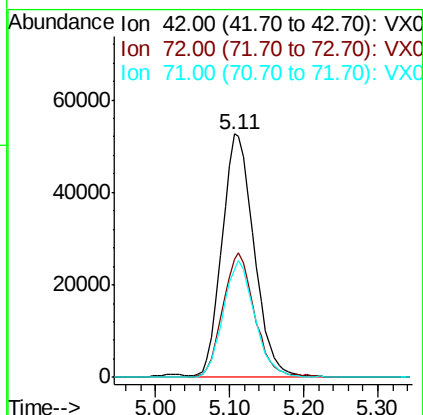
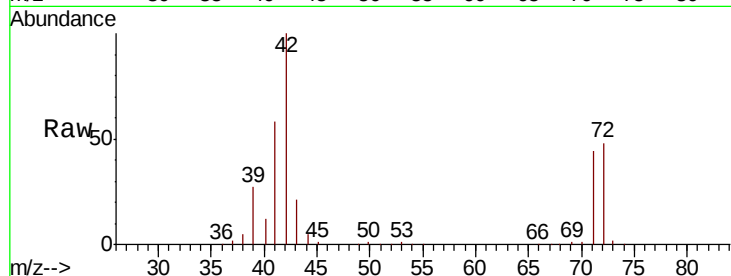




#29
Tetrahydrofuran
Concen: 226.403 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

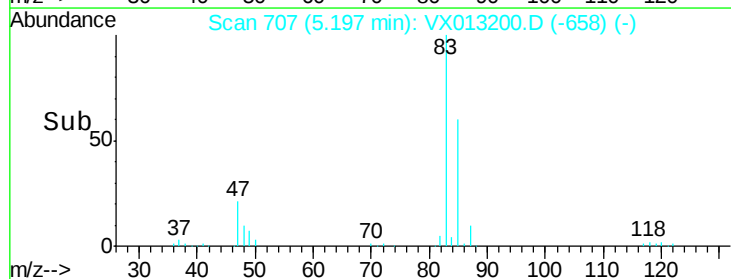
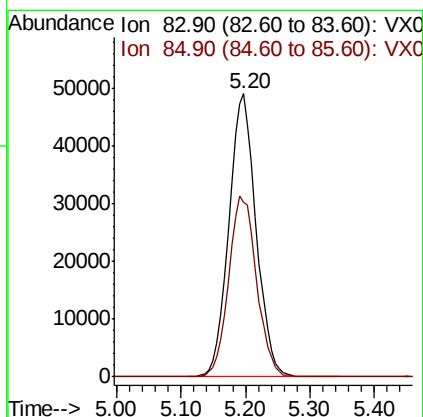
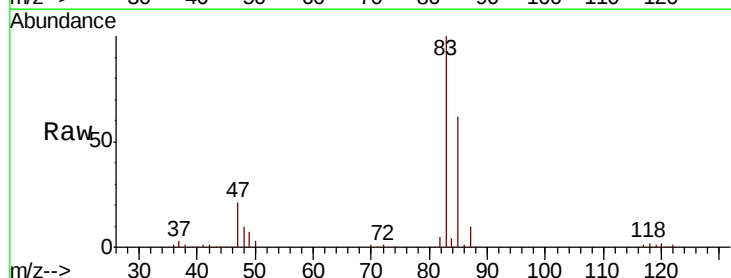
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

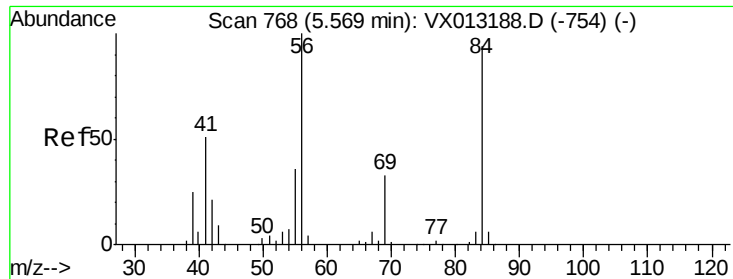
Tot Ion: 42 Resp: 158169
Ion Ratio Lower Upper
42 100
72 50.9 40.9 61.3
71 47.2 38.6 57.8



#30
Chloroform
Concen: 48.240 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 83 Resp: 145295
Ion Ratio Lower Upper
83 100
85 61.6 50.1 75.1

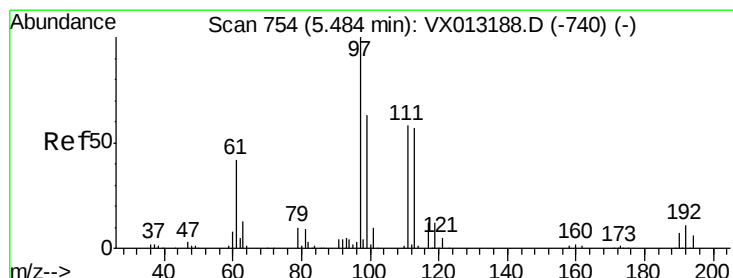
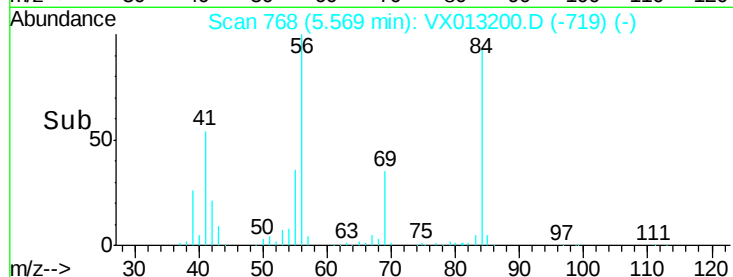
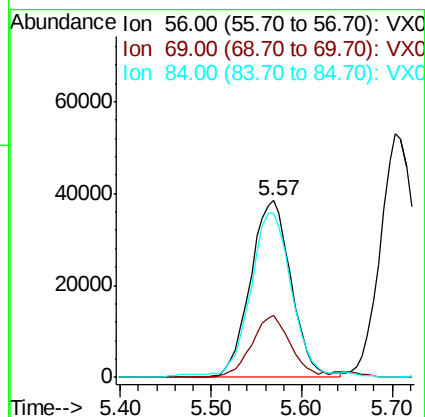
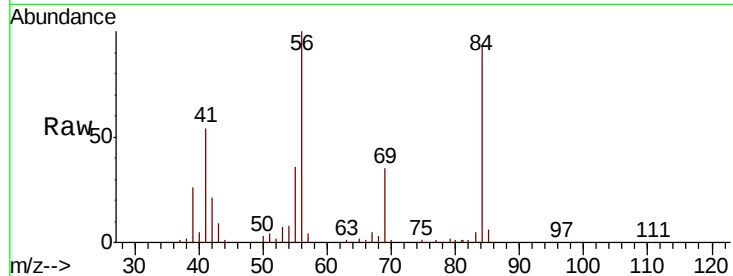




#31
Cyclohexane
Concen: 50.407 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

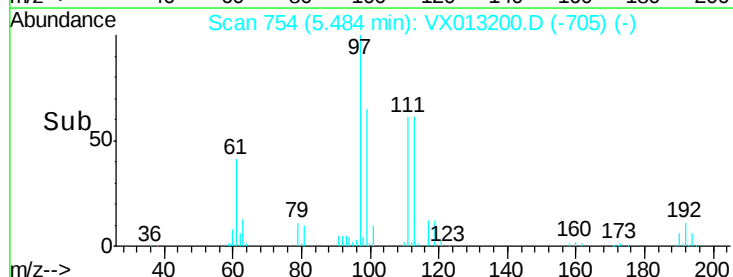
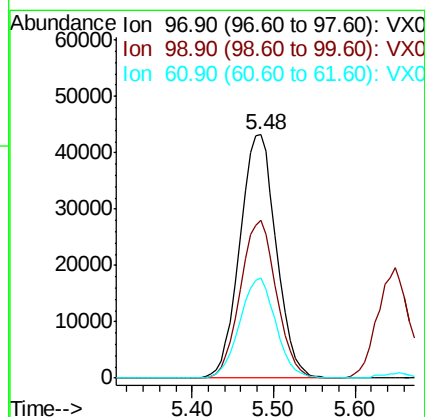
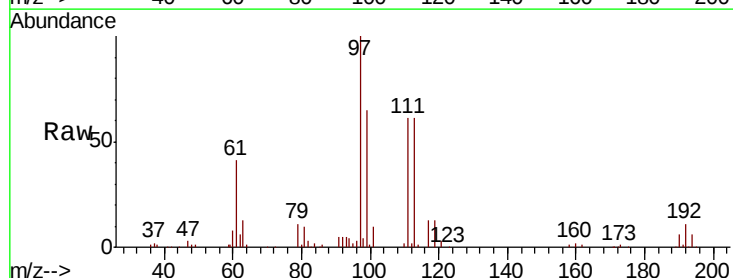
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

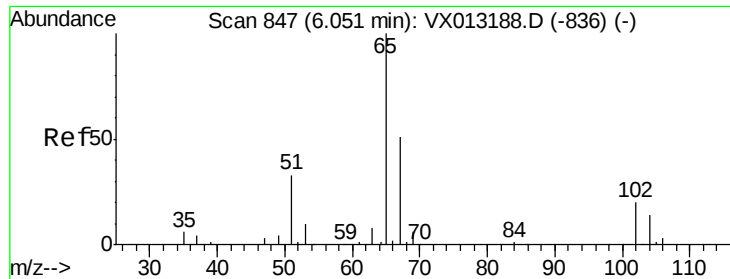
Tot Ion: 56 Resp: 119585
Ion Ratio Lower Upper
56 100
69 35.2 26.3 39.5
84 91.1 73.8 110.6



#32
1,1,1-Trichloroethane
Concen: 50.008 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 97 Resp: 133922
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 40.9 32.8 49.2

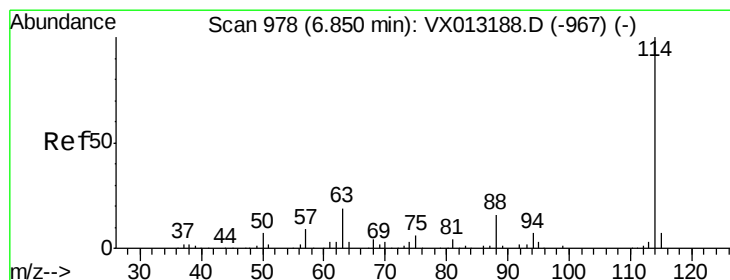
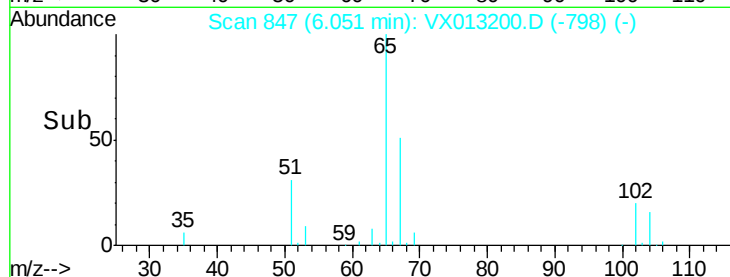
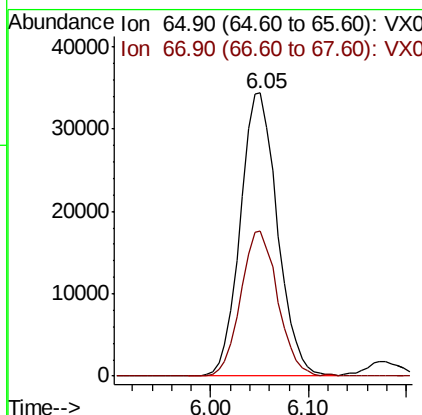
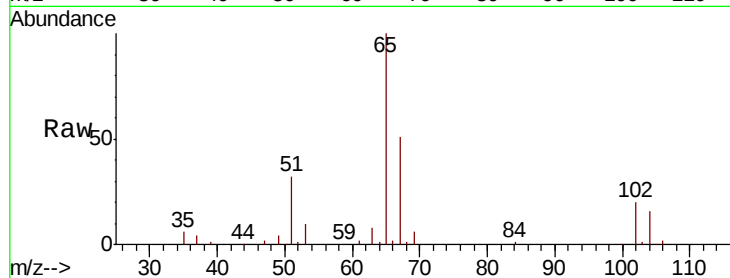




#33
 1,2-Dichloroethane-d4
 Concen: 49.325 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

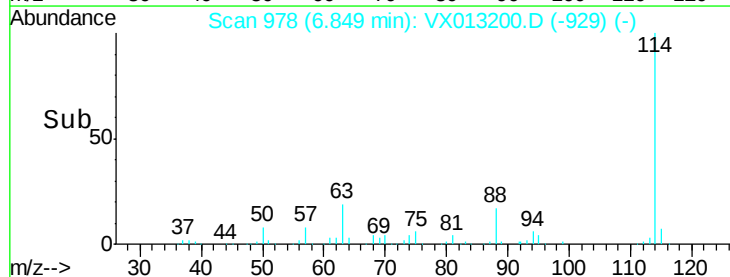
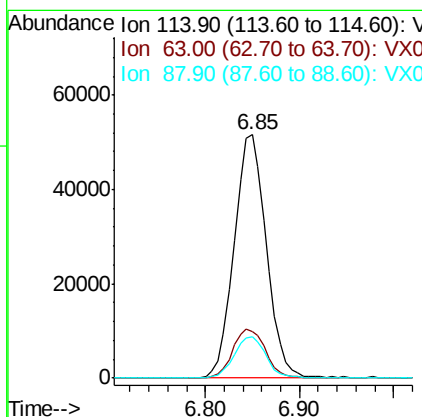
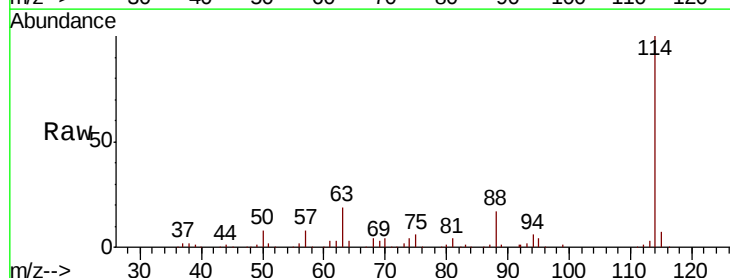
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

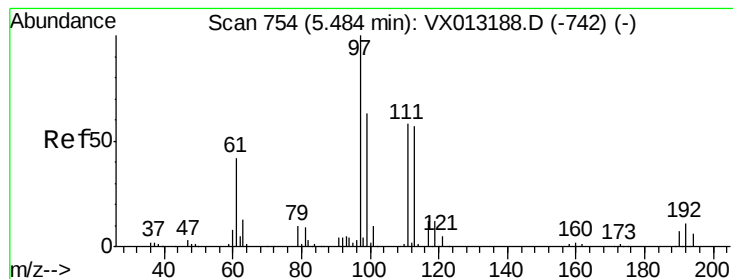
Tot Ion: 65 Resp: 90482
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion: 114 Resp: 123090
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 17.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.946 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

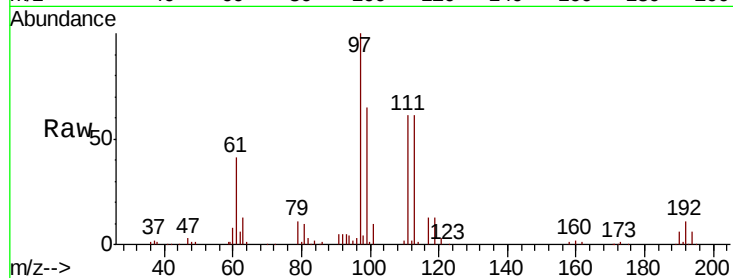
Tot Ion:113 Resp: 74048

Ion Ratio Lower Upper

113 100

111 100.8 80.3 120.5

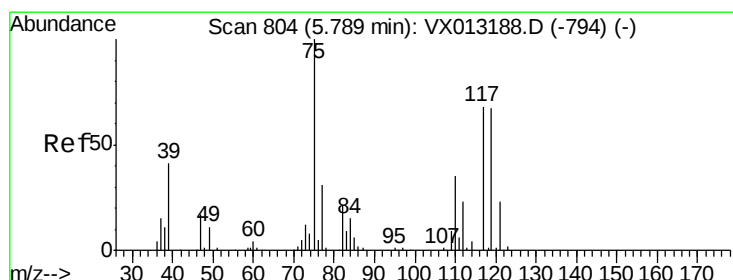
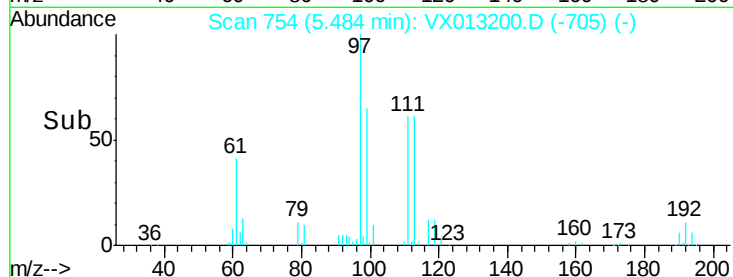
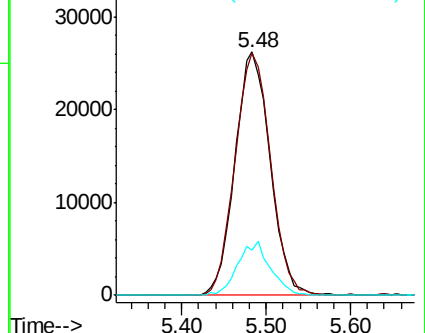
192 20.4 15.9 23.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.897 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

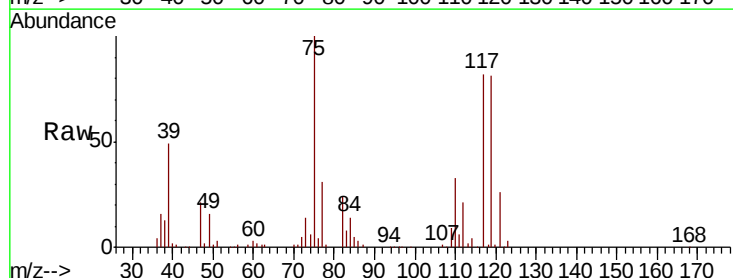
Tgt Ion: 75 Resp: 111039

Ion Ratio Lower Upper

75 100

110 35.0 17.6 52.9

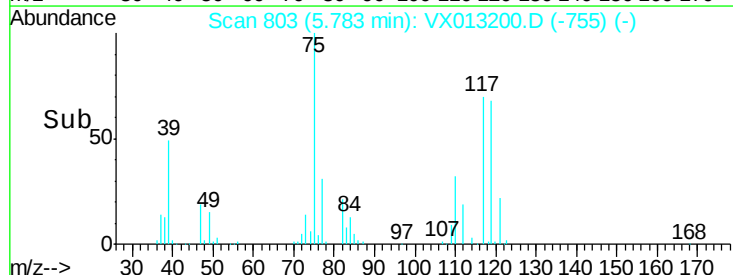
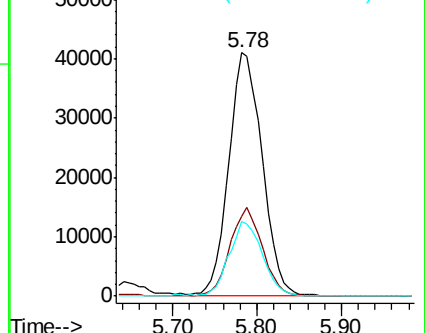
77 30.5 24.7 37.1

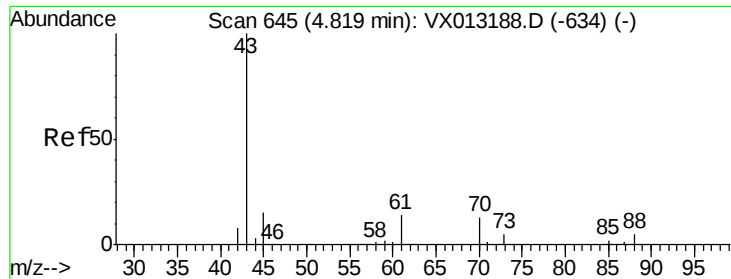


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

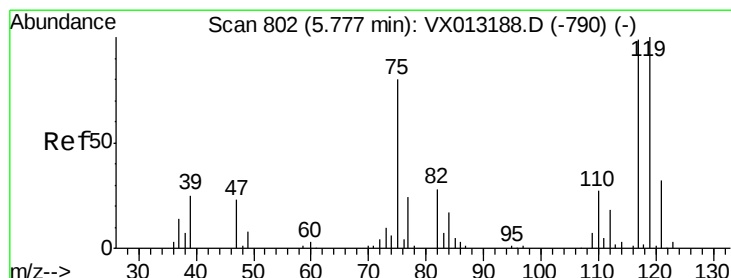
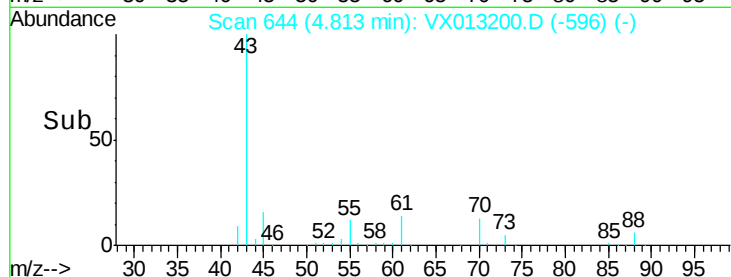
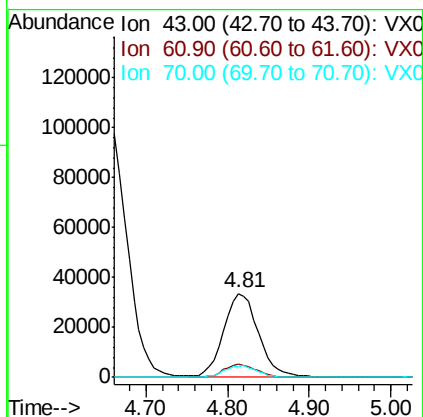
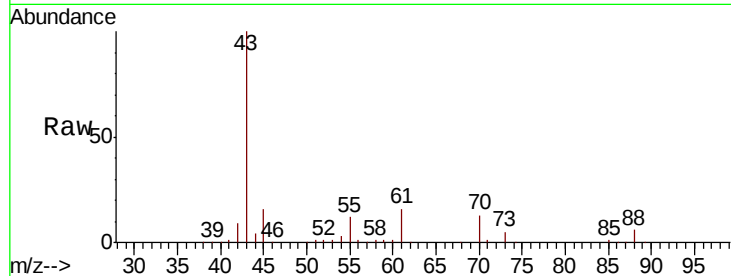




#37
Ethyl Acetate
Concen: 48.042 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

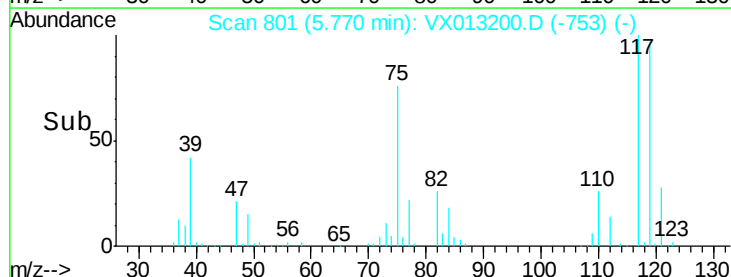
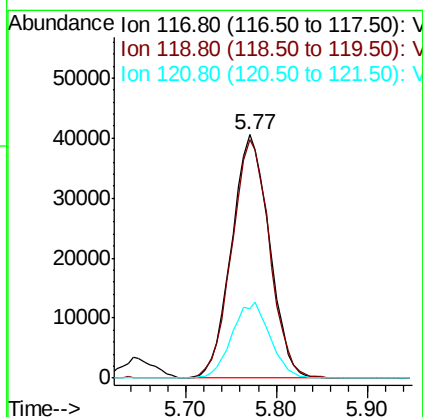
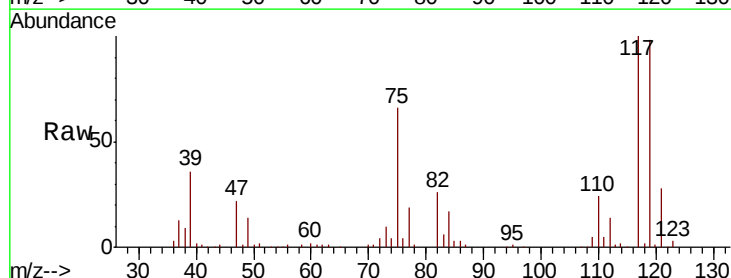
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

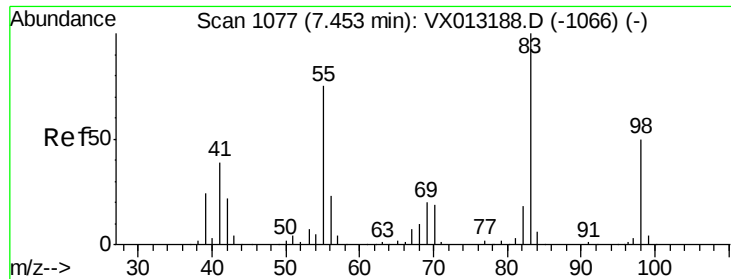
Tot Ion: 43 Resp: 98545
Ion Ratio Lower Upper
43 100
61 14.5 12.1 18.1
70 13.3 10.4 15.6



#38
Carbon Tetrachloride
Concen: 51.522 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 117 Resp: 117222
Ion Ratio Lower Upper
117 100
119 97.8 80.1 120.1
121 28.5 25.5 38.3

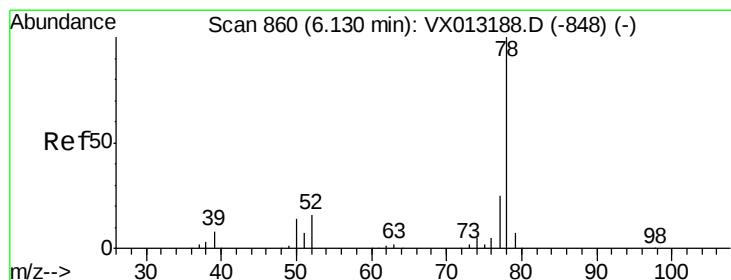
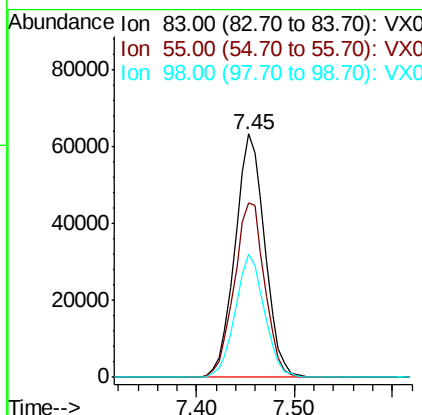
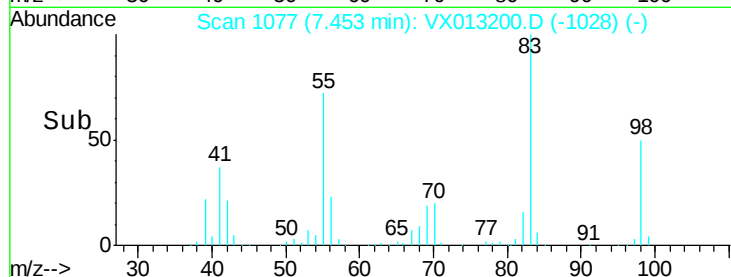
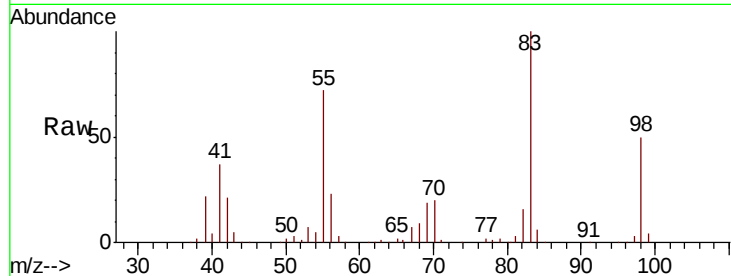




#39
Methvlcvclohexane
Concen: 50.595 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

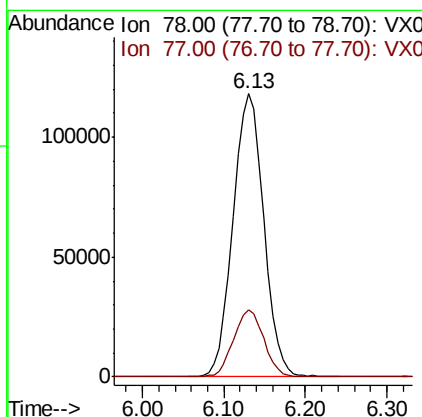
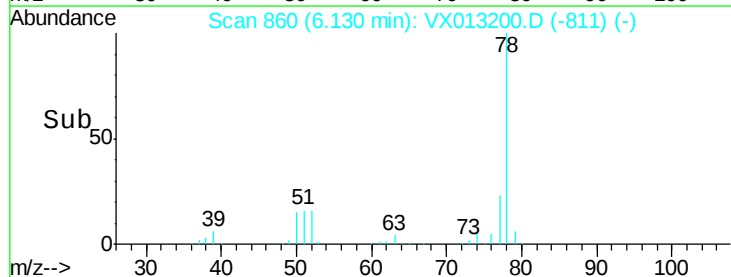
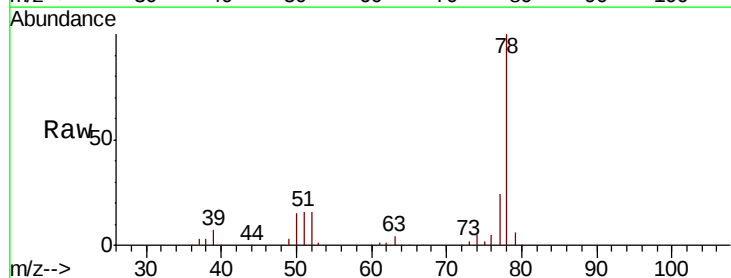
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

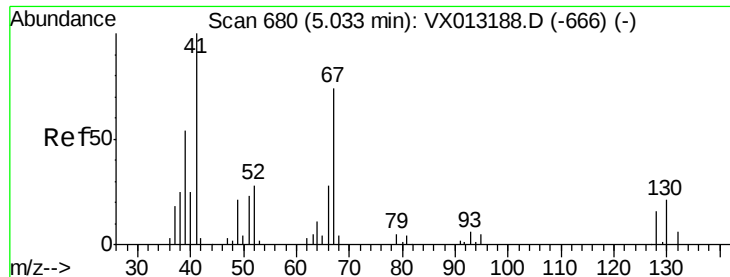
Tot Ion: 83 Resp: 133325
Ion Ratio Lower Upper
83 100
55 71.7 60.1 90.1
98 50.4 39.8 59.8



#40
Benzene
Concen: 49.816 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 78 Resp: 307994
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4





#41

Methacrylonitrile

Concen: 50.033 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 55022

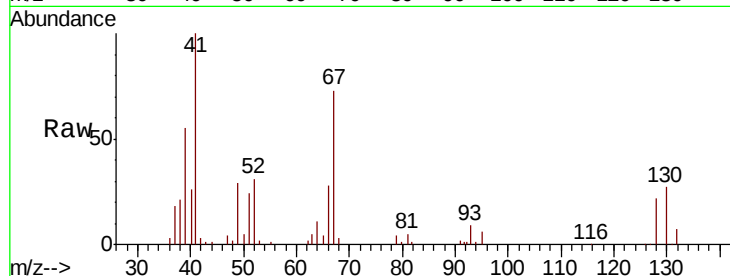
Ion Ratio Lower Upper

41 100

39 57.0 45.2 67.8

67 77.5 61.3 91.9

52 31.3 25.1 37.7

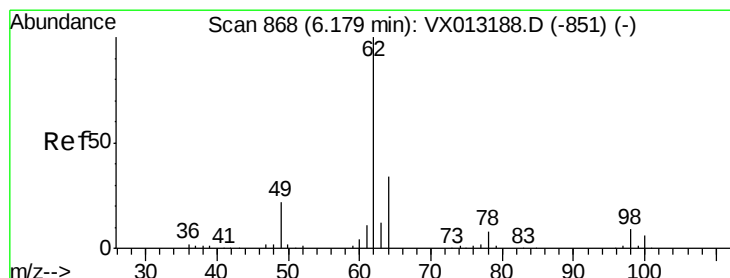
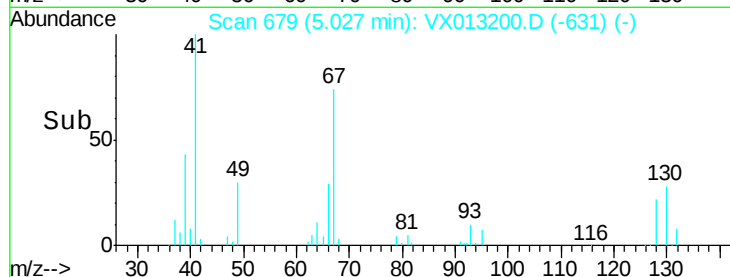
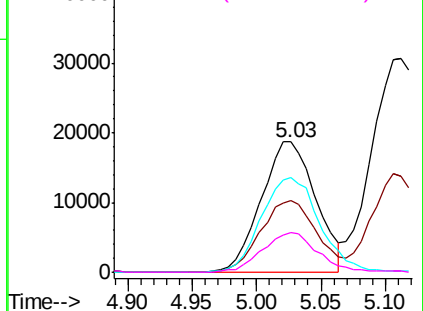


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.425 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX013200.D

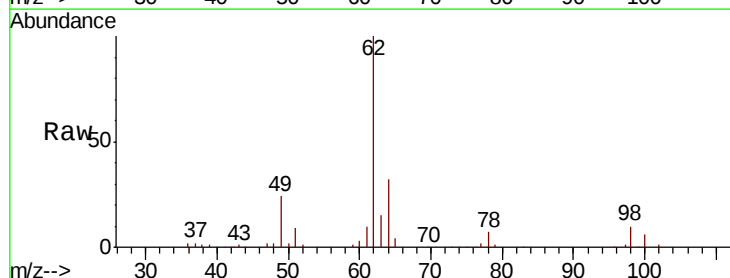
Acq: 24 Oct 2019 10:00

Tgt Ion: 62 Resp: 119875

Ion Ratio Lower Upper

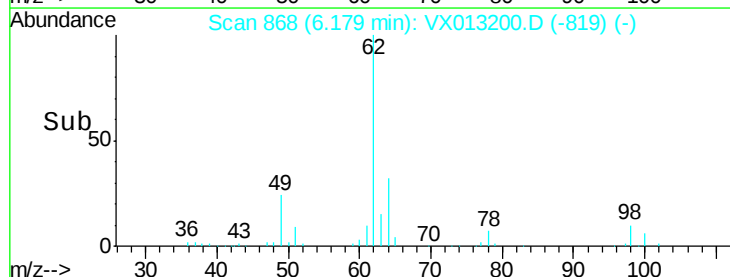
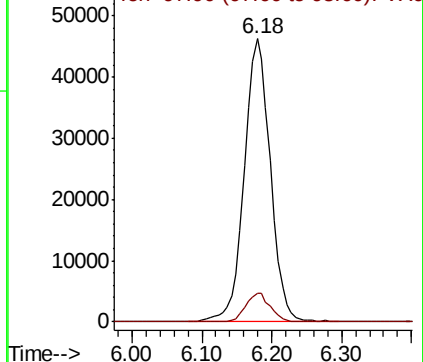
62 100

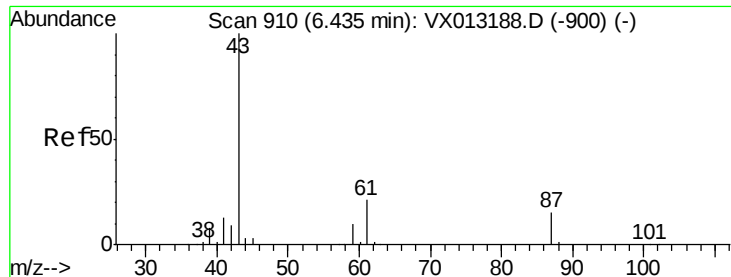
98 9.6 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.834 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

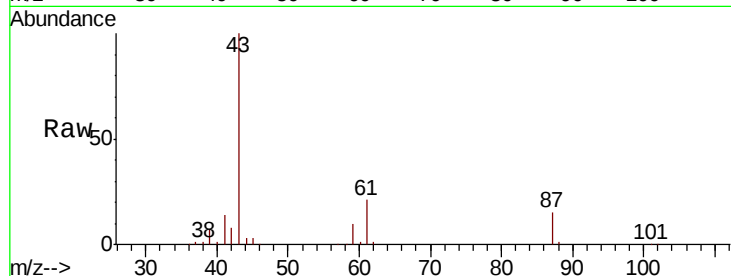
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 169717

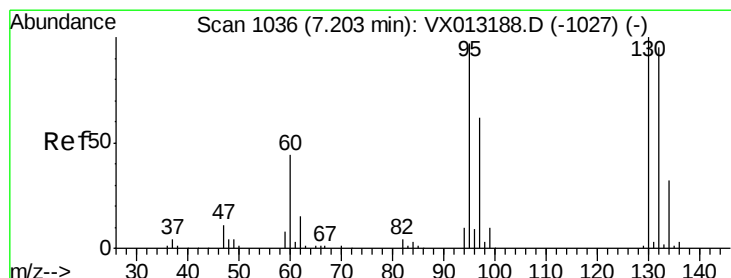
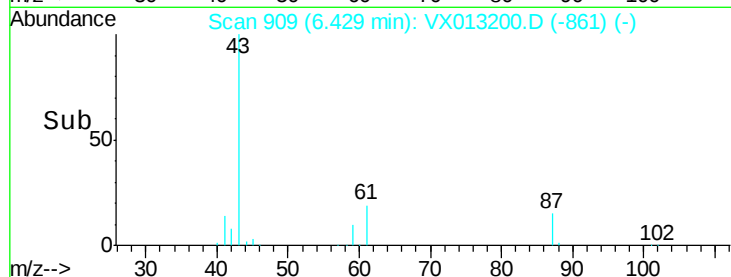
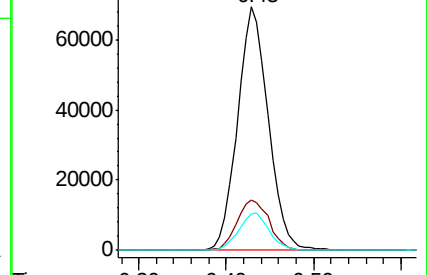
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.0	25.4
87	15.1	12.1	18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.470 ug/l

RT: 7.20 min Scan# 1036

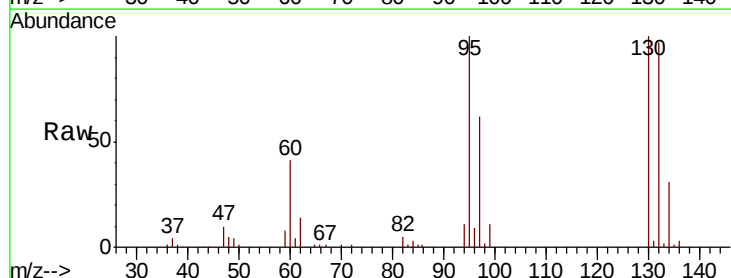
Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

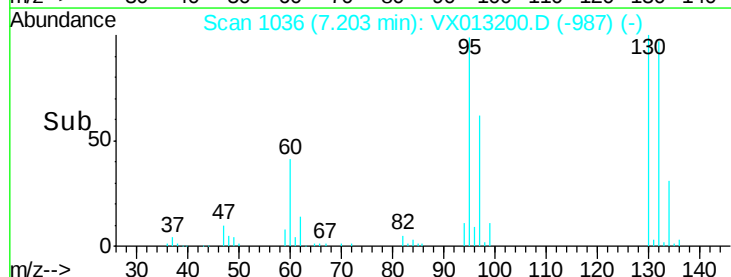
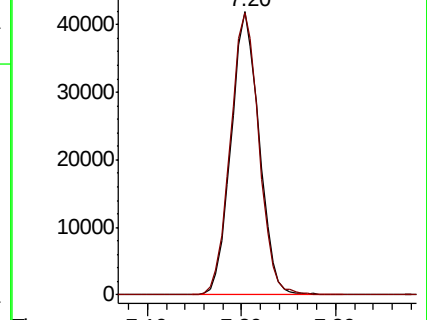
Tgt Ion: 130 Resp: 86806

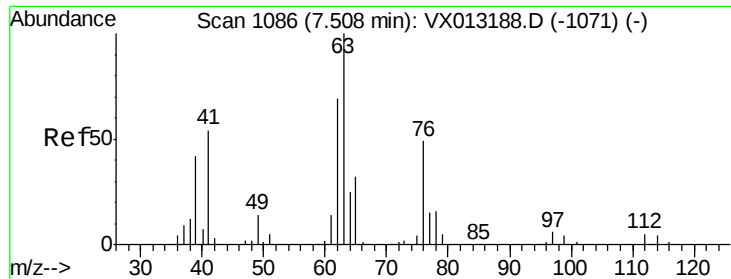
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.588 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

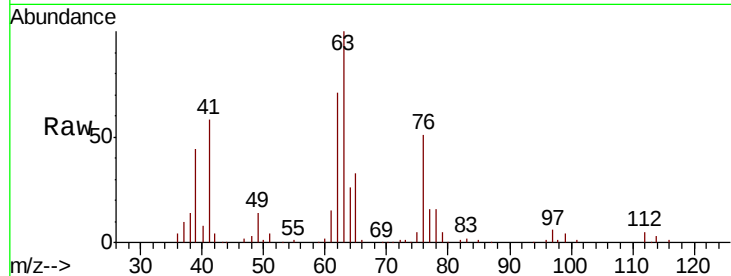
VSTDCCC050

Tot Ion: 63 Resp: 76788

Ion Ratio Lower Upper

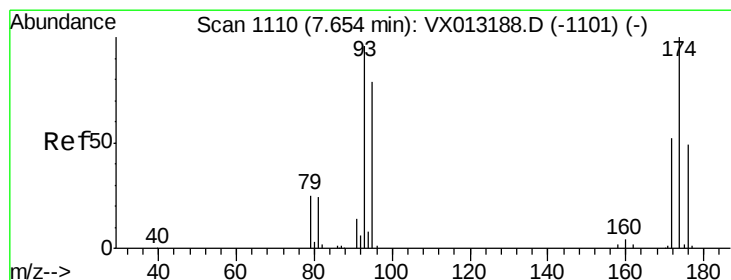
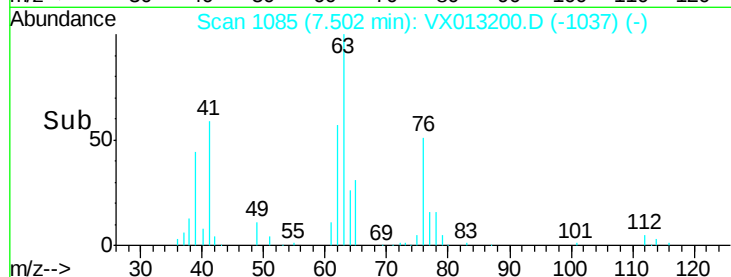
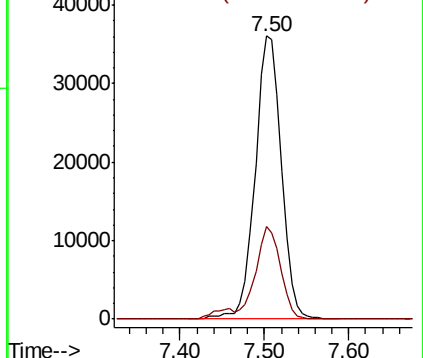
63 100

65 32.7 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.784 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

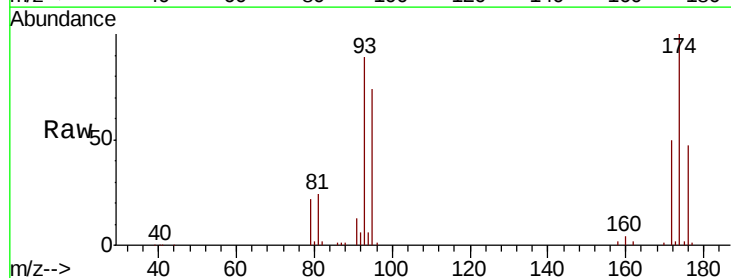
Tgt Ion: 93 Resp: 54427

Ion Ratio Lower Upper

93 100

95 85.0 66.2 99.4

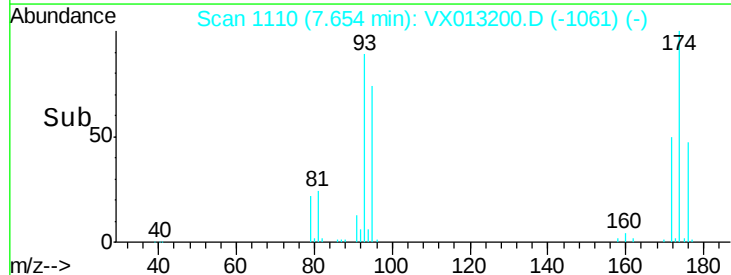
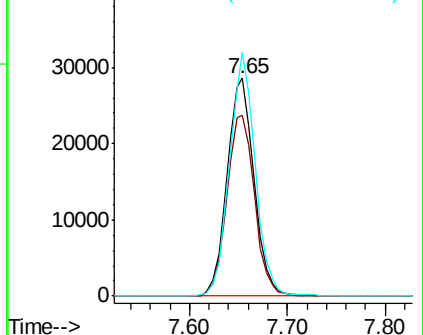
174 106.6 85.2 127.8

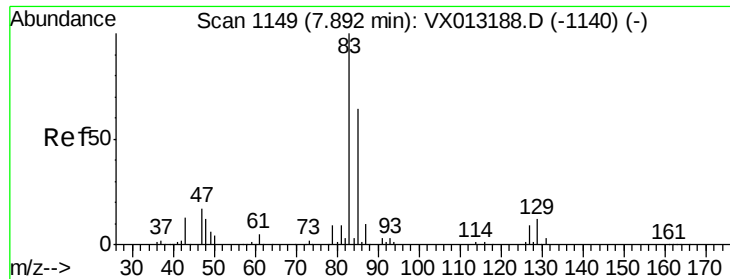


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.457 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

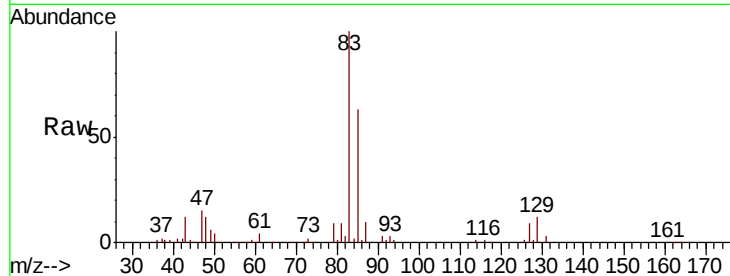
Tot Ion: 83 Resp: 114052

Ion Ratio Lower Upper

83 100

85 63.1 51.0 76.6

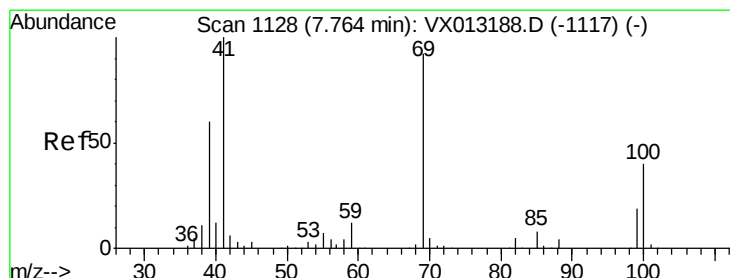
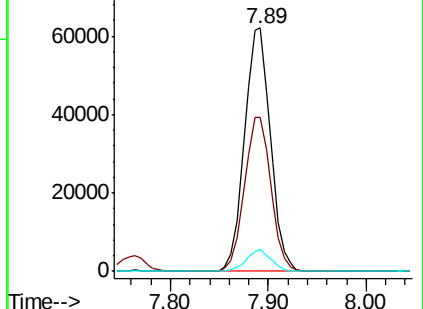
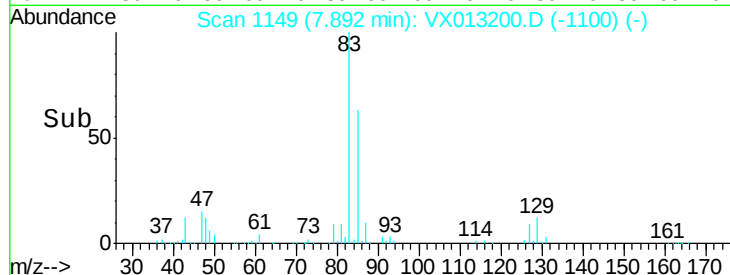
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.246 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

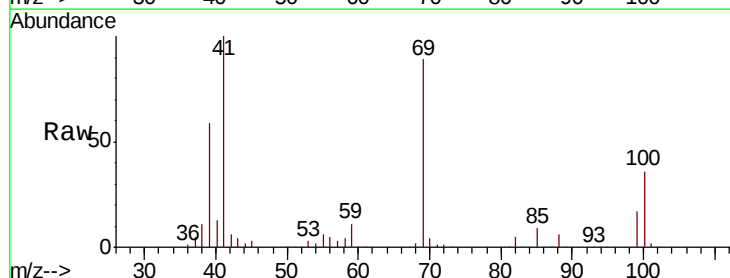
Tgt Ion: 41 Resp: 82893

Ion Ratio Lower Upper

41 100

69 89.4 72.0 108.0

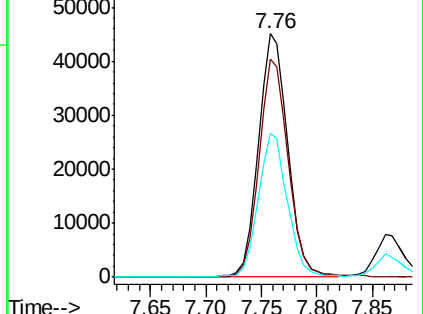
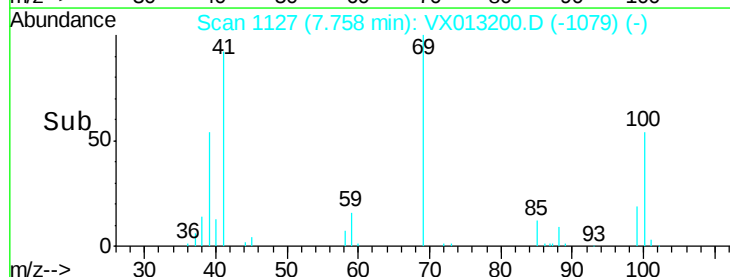
39 58.7 47.4 71.0

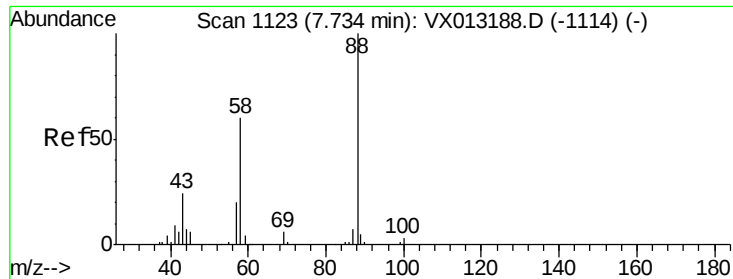


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 962.264 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

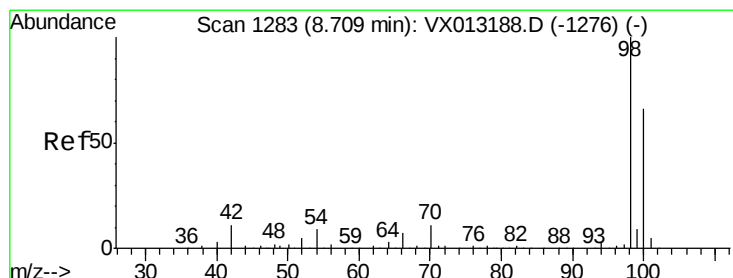
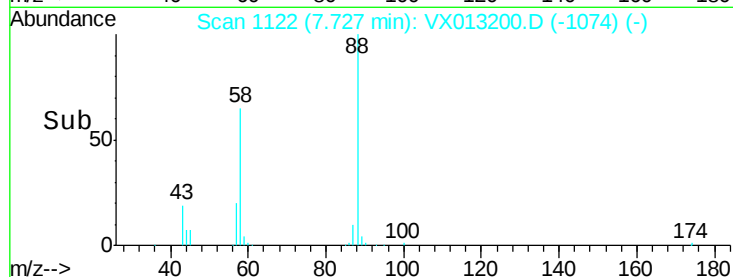
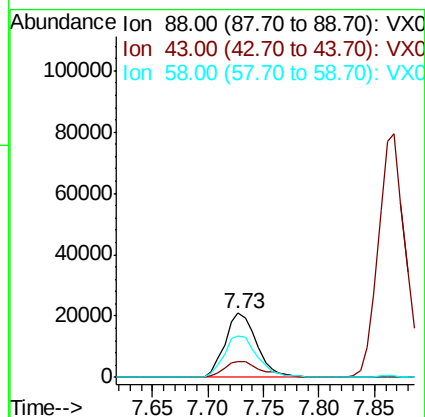
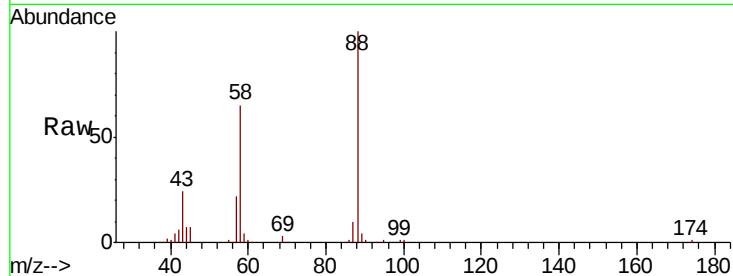
Tot Ion: 88 Resp: 41224

Ion Ratio Lower Upper

88 100

43 30.0 24.5 36.7

58 68.3 54.1 81.1



#50

Toluene-d8

Concen: 52.668 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013200.D

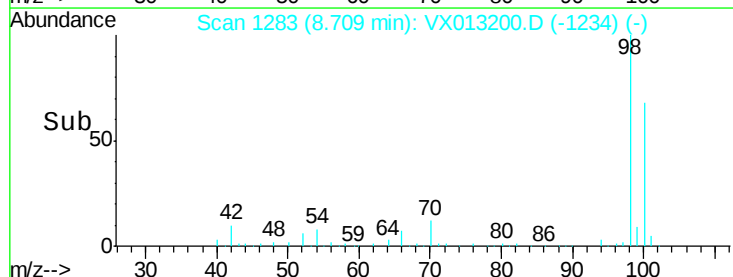
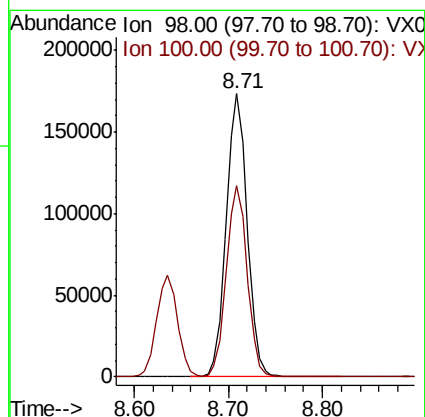
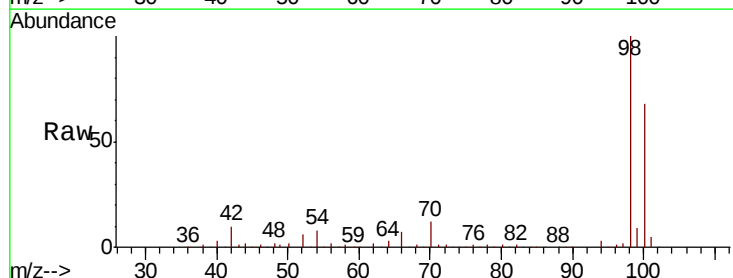
Acq: 24 Oct 2019 10:00

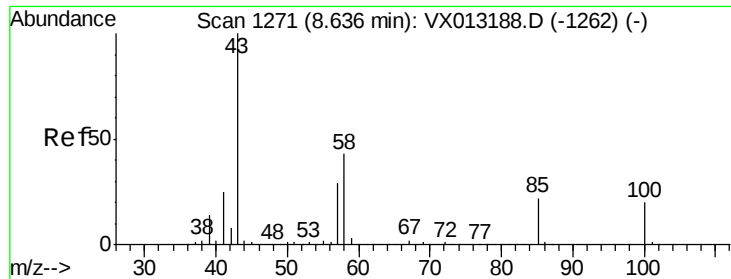
Tgt Ion: 98 Resp: 267913

Ion Ratio Lower Upper

98 100

100 67.1 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 242.625 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

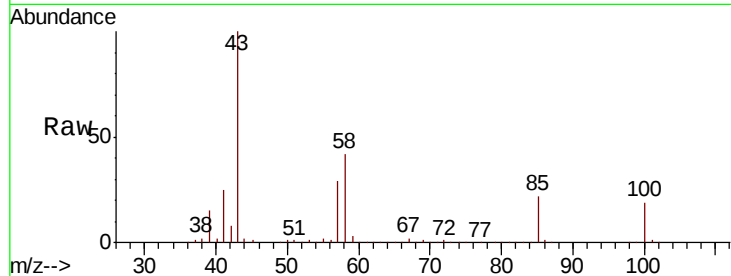
VSTDCCC050

Tot Ion: 43 Resp: 503651

Ion Ratio Lower Upper

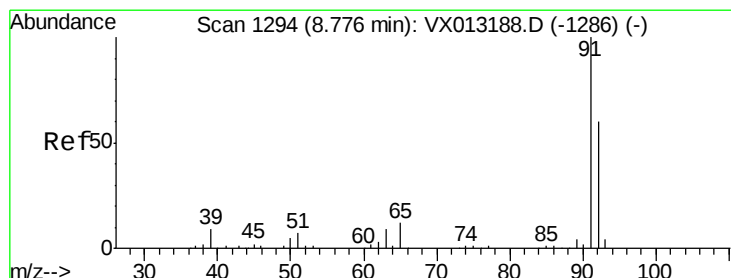
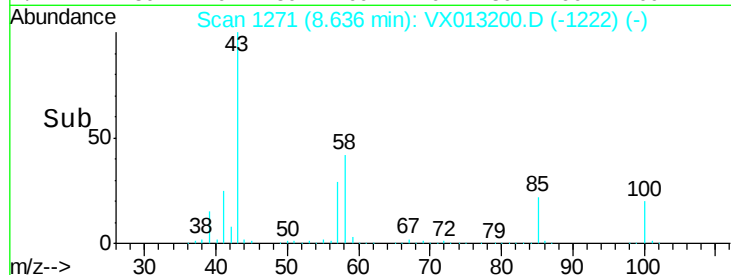
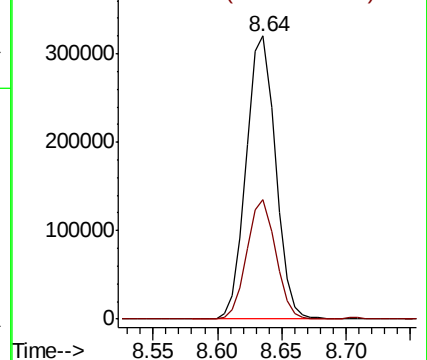
43 100

58 41.6 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.476 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013200.D

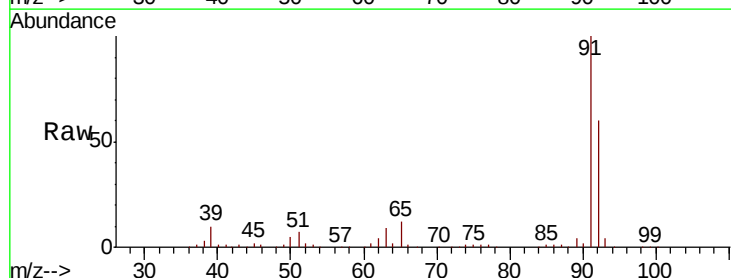
Acq: 24 Oct 2019 10:00

Tgt Ion: 92 Resp: 202723

Ion Ratio Lower Upper

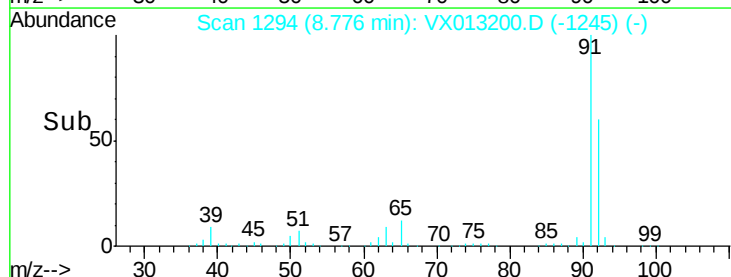
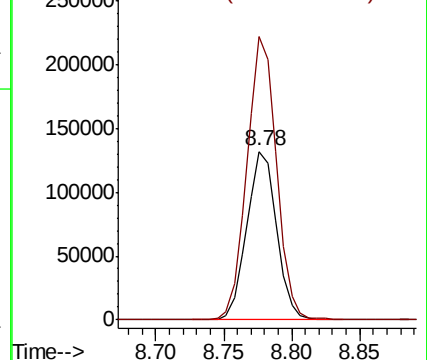
92 100

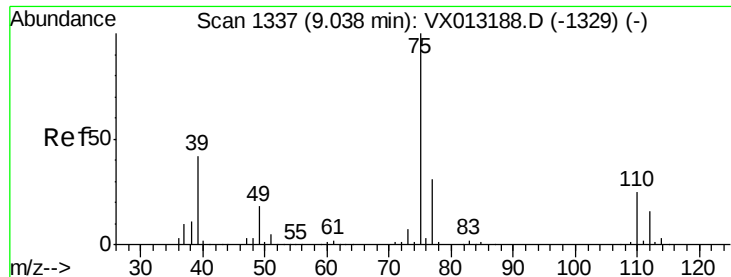
91 167.1 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

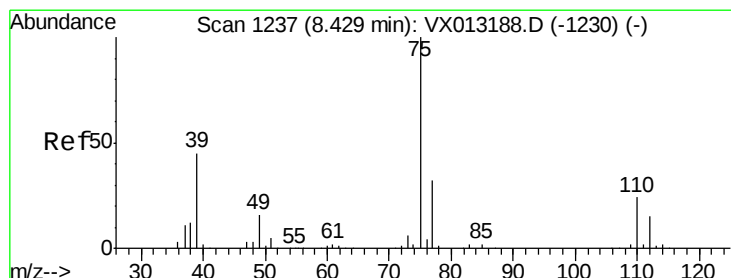
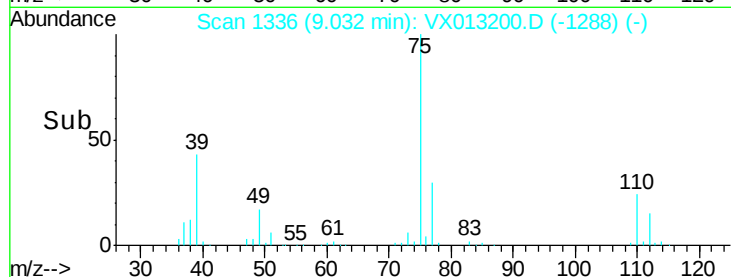
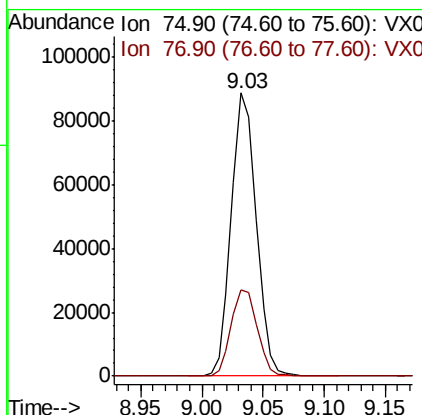
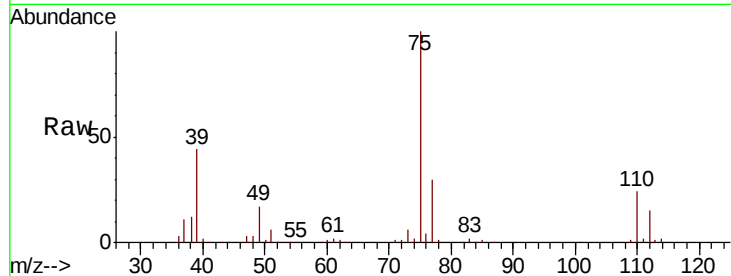




#53
 t-1,3-Dichloropropene
 Concen: 54.417 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

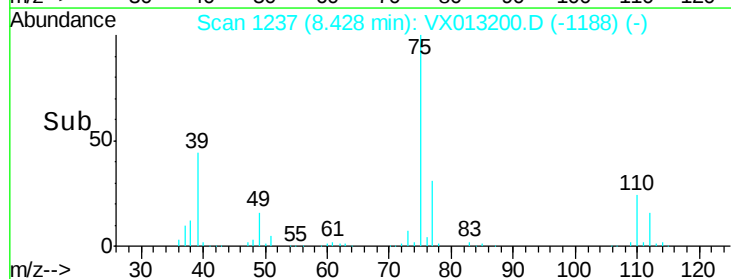
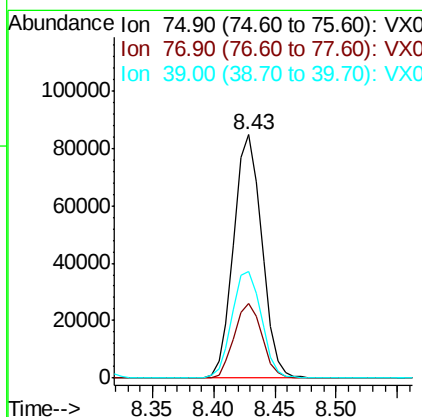
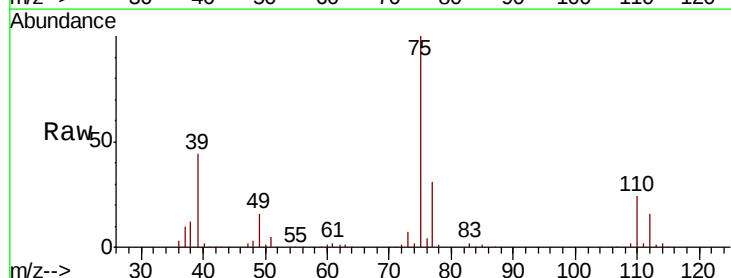
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

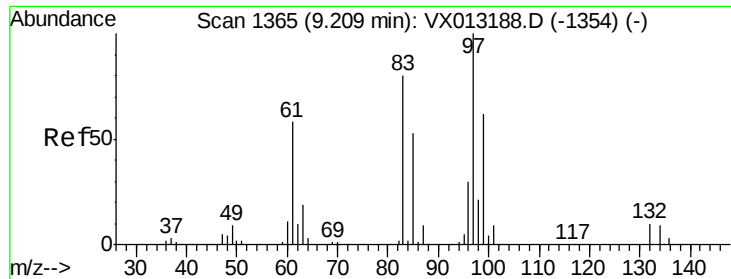
Tot Ion: 75 Resp: 125729
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 53.656 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion: 75 Resp: 135617
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.0
 39 43.8 36.2 54.4

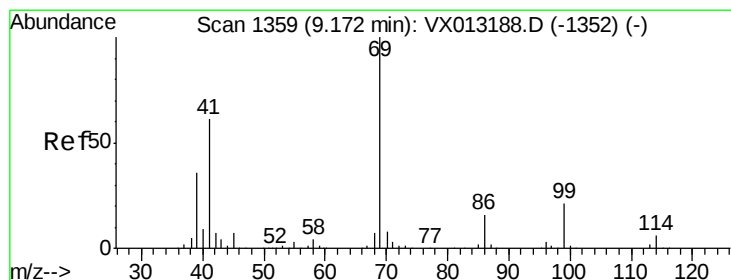
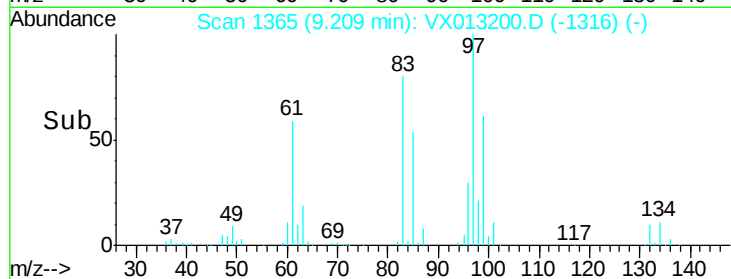
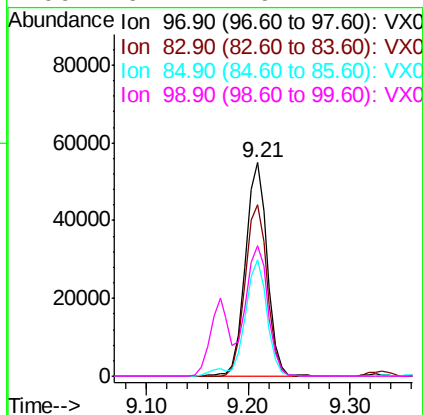
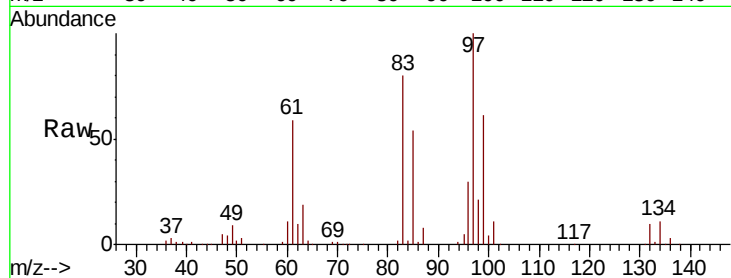




#55
 1,1,2-Trichloroethane
 Concen: 50.174 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

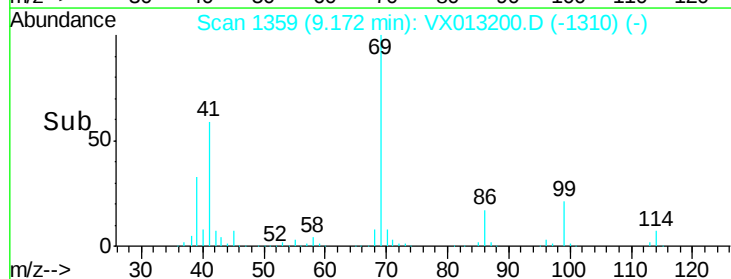
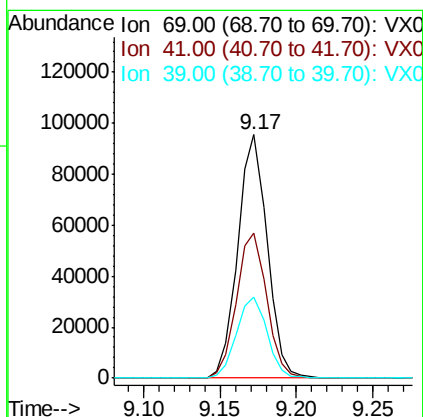
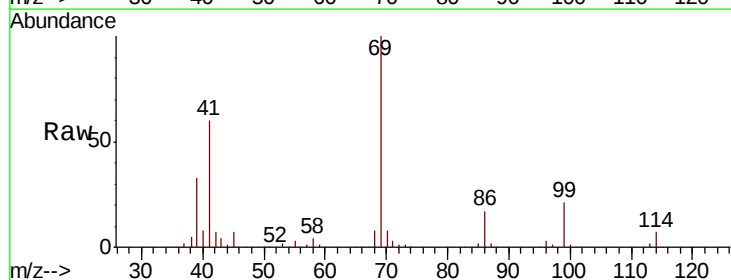
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

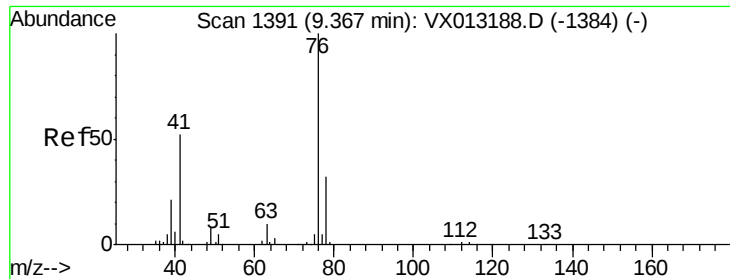
Tot Ion:	97	Resp:	81279
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.1	96.1
85	54.4	42.1	63.1
99	61.4	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 52.423 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion:	69	Resp:	127813
Ion	Ratio	Lower	Upper
69	100		
41	61.4	49.5	74.3
39	34.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 50.007 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

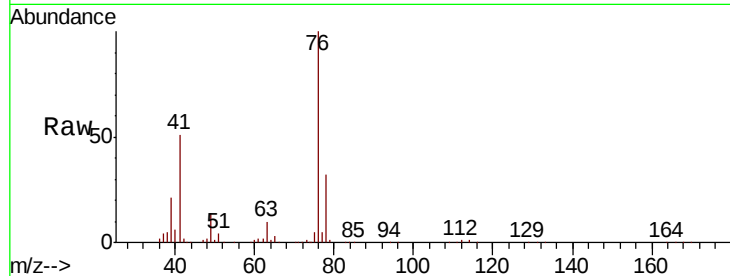
VSTDCCC050

Tot Ion: 76 Resp: 136686

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

60000

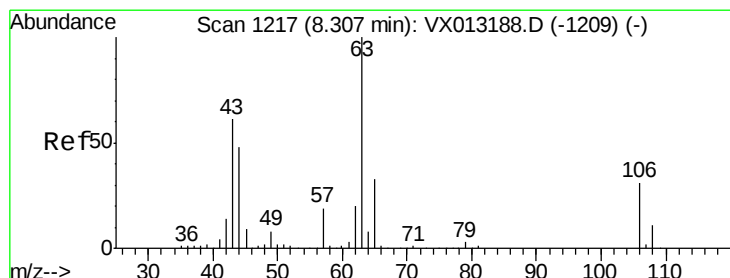
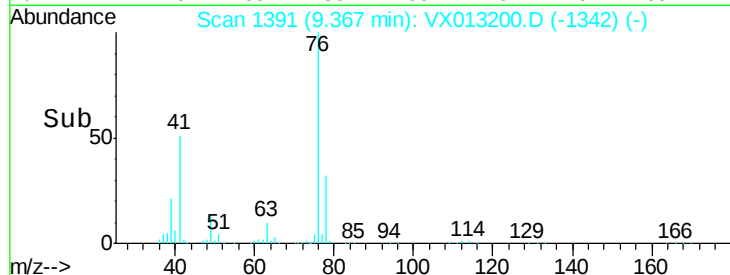
40000

20000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 282.537 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013200.D

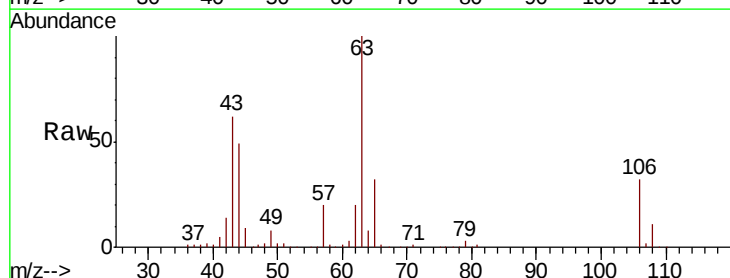
Acq: 24 Oct 2019 10:00

Tgt Ion: 63 Resp: 268791

Ion Ratio Lower Upper

63 100

106 31.8 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

200000

150000

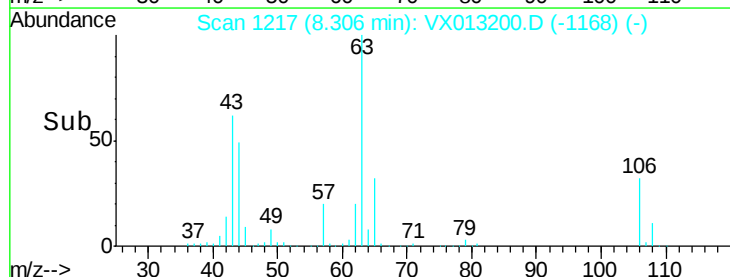
100000

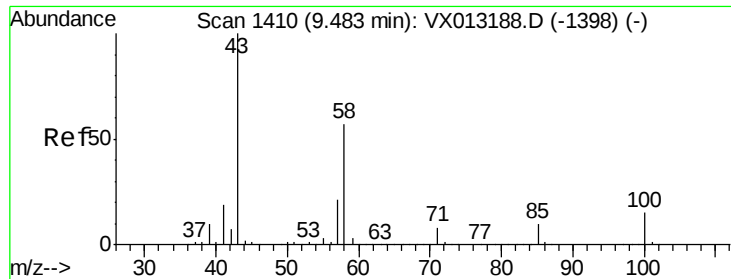
50000

0

8.20 8.30 8.40

Time-->

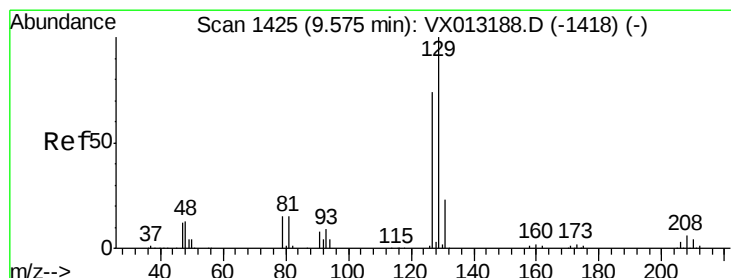
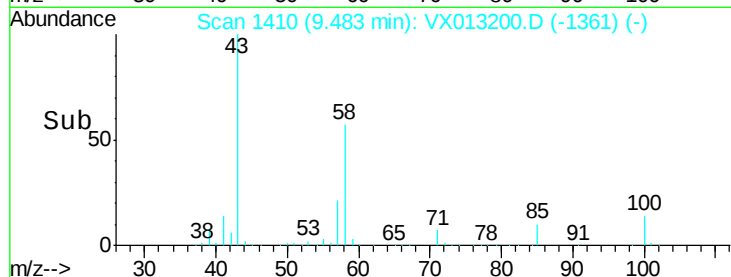
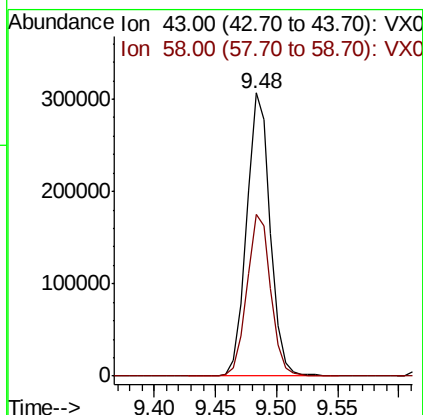
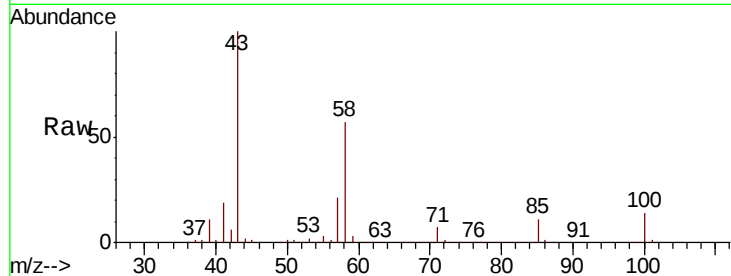




#59
2-Hexanone
Concen: 256.331 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

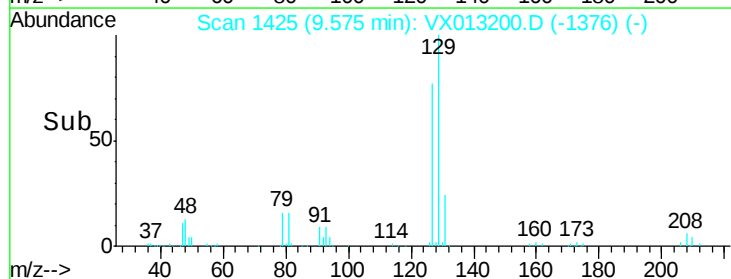
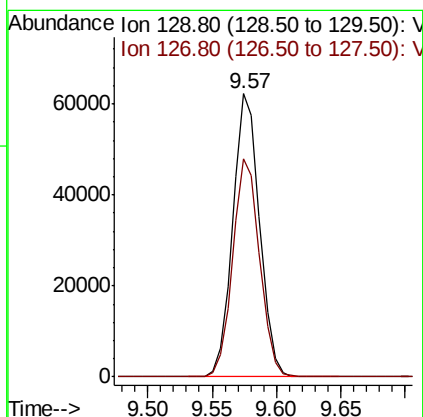
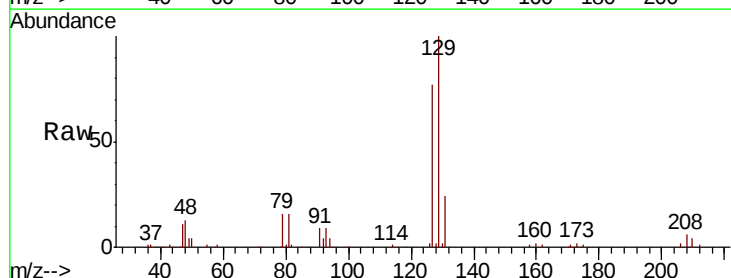
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

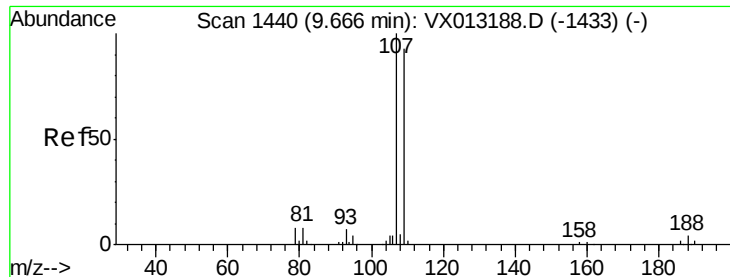
Tot Ion: 43 Resp: 409875
Ion Ratio Lower Upper
43 100
58 57.8 28.2 84.7



#60
Dibromochloromethane
Concen: 53.082 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion:129 Resp: 90104
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 50.169 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

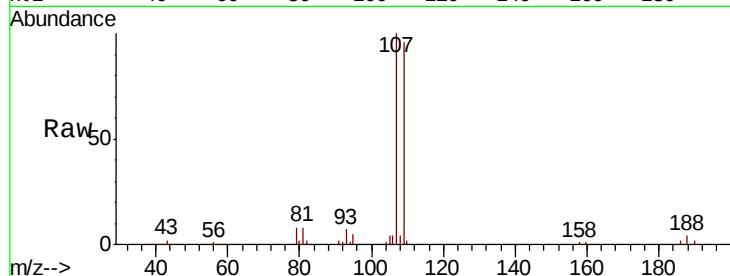
VSTDCCC050

Tot Ion:107 Resp: 86278

Ion Ratio Lower Upper

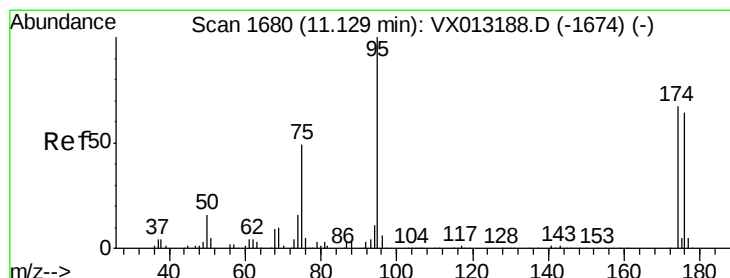
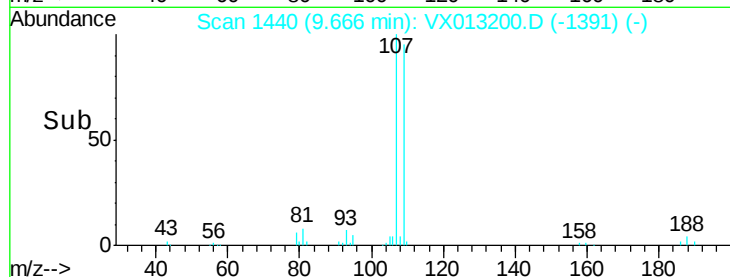
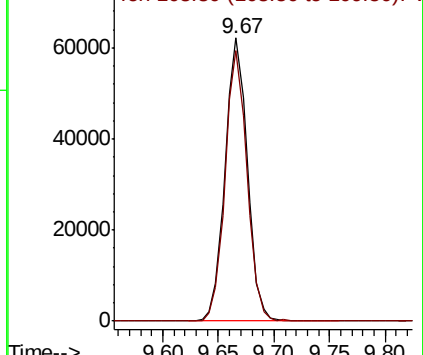
107 100

109 93.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.165 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

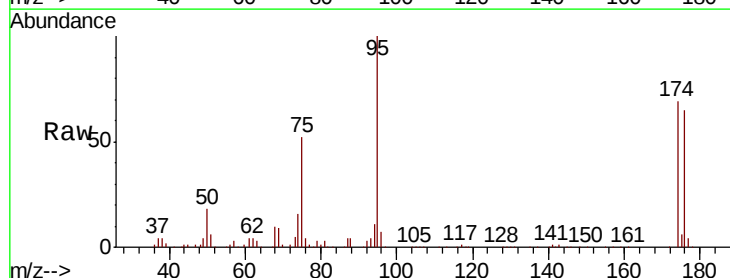
Tgt Ion: 95 Resp: 107042

Ion Ratio Lower Upper

95 100

174 76.1 0.0 152.4

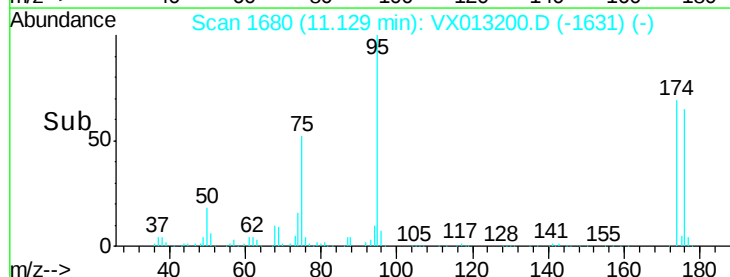
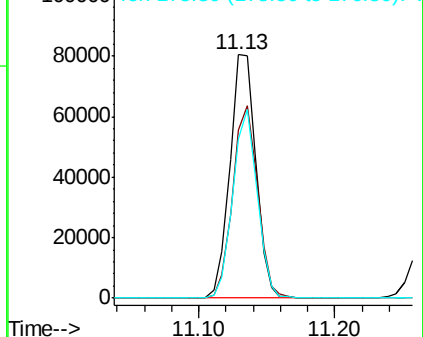
176 72.9 0.0 146.0

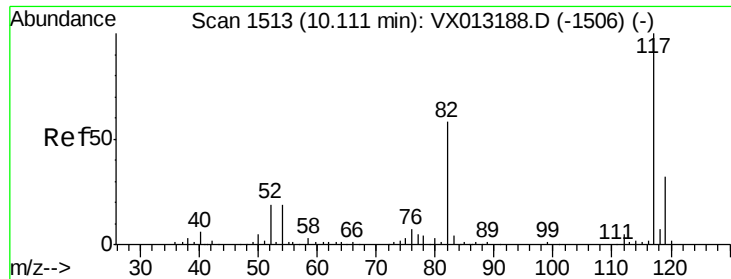


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

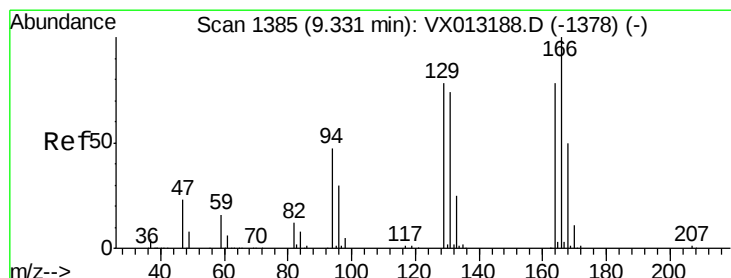
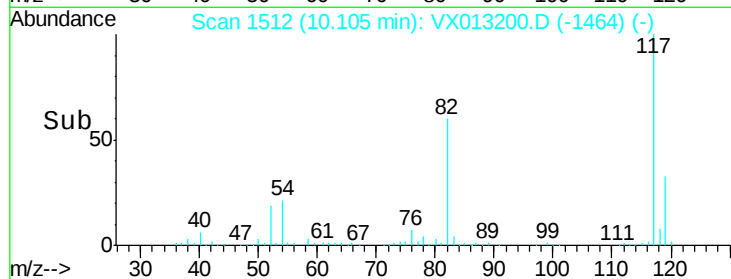
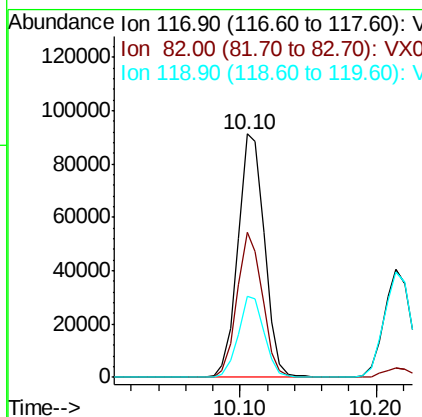
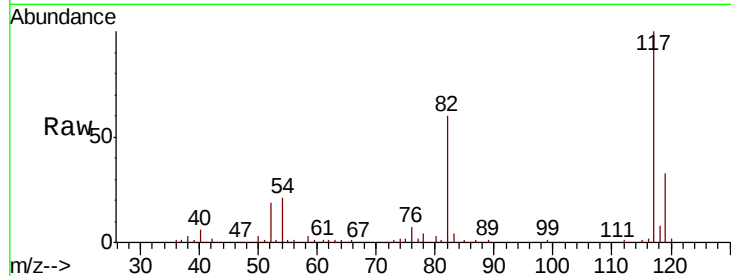




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

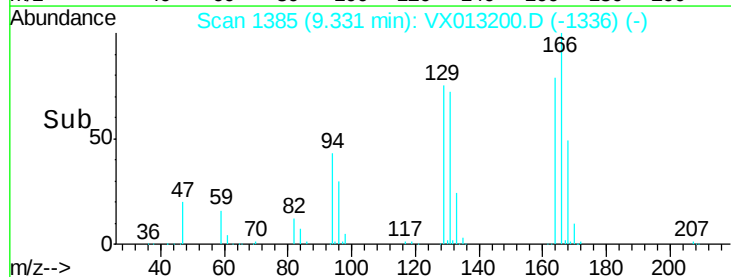
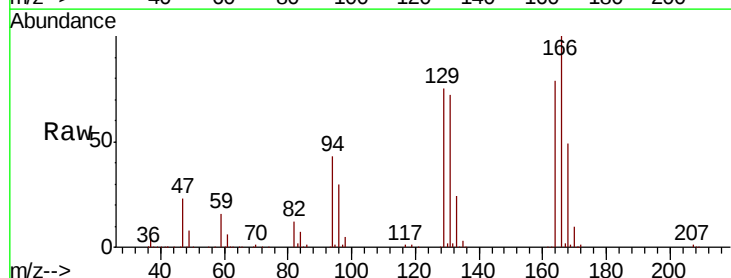
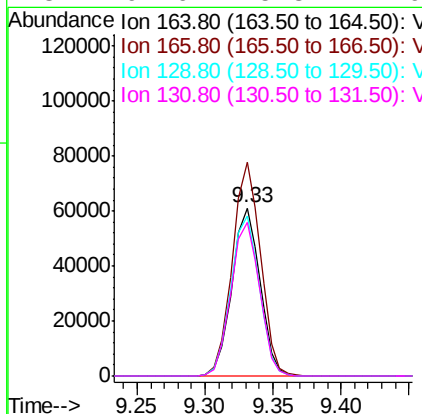
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

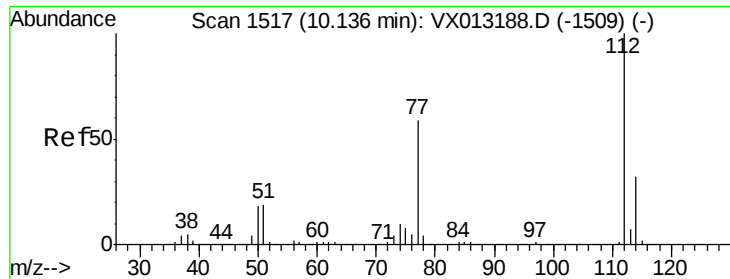
Tot Ion:117 Resp: 123806
Ion Ratio Lower Upper
117 100
82 59.6 46.5 69.7
119 33.2 25.2 37.8



#64
Tetrachloroethene
Concen: 57.618 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion:164 Resp: 87569
Ion Ratio Lower Upper
164 100
166 127.2 102.2 153.4
129 95.5 79.8 119.8
131 91.6 75.3 112.9

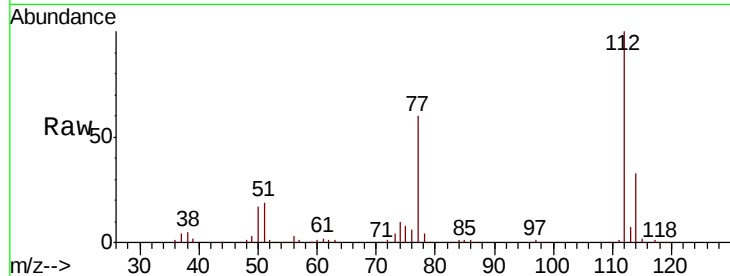




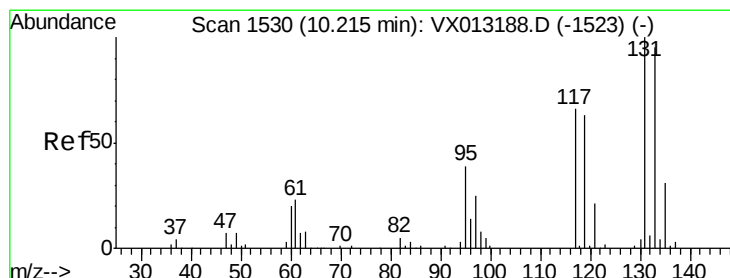
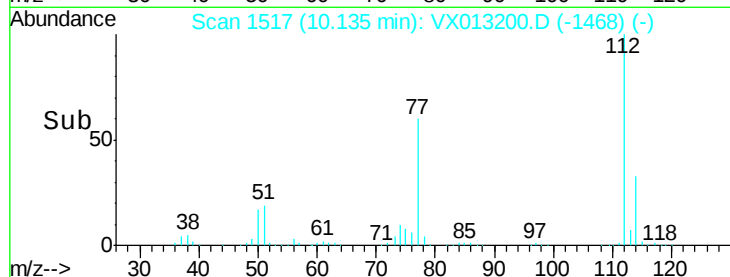
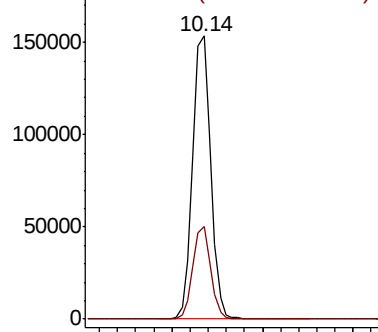
#65
Chlorobenzene
Concen: 49.843 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 216017
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

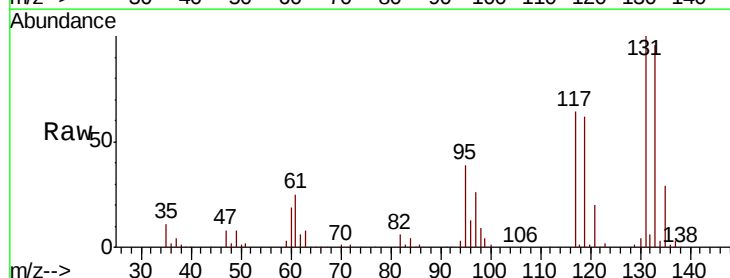


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

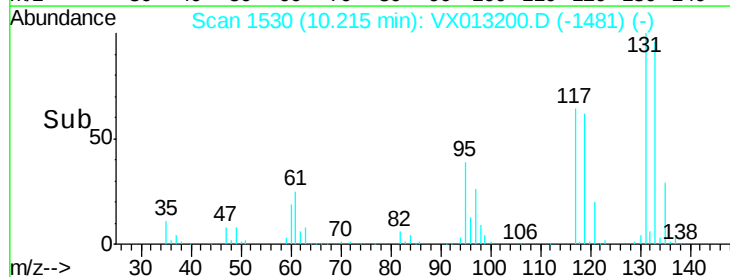
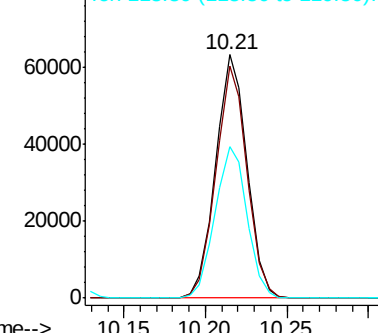


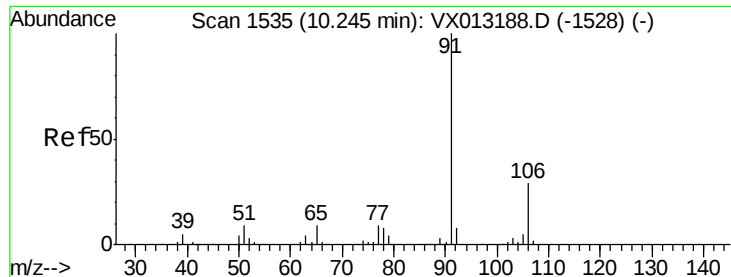
#66
1,1,1,2-Tetrachloroethane
Concen: 52.847 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion:131 Resp: 84608
Ion Ratio Lower Upper
131 100
133 94.7 48.4 145.2
119 63.8 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

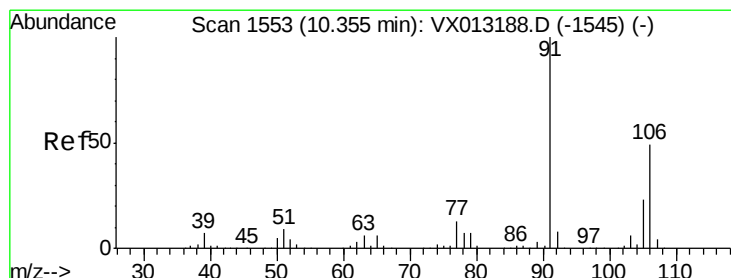
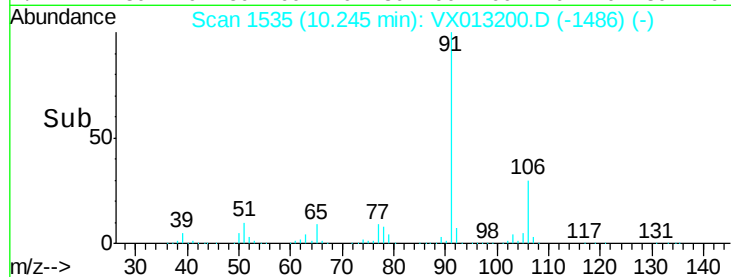
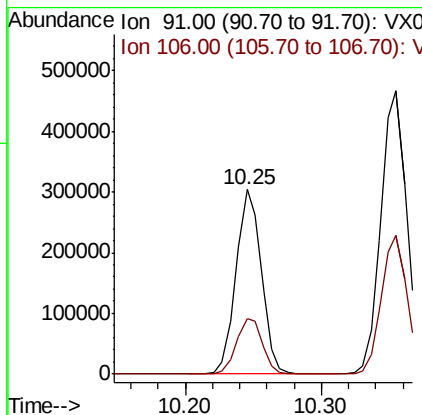
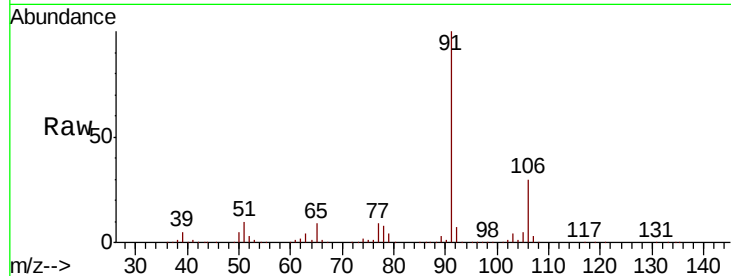




#67
Ethyl Benzene
Concen: 50.891 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

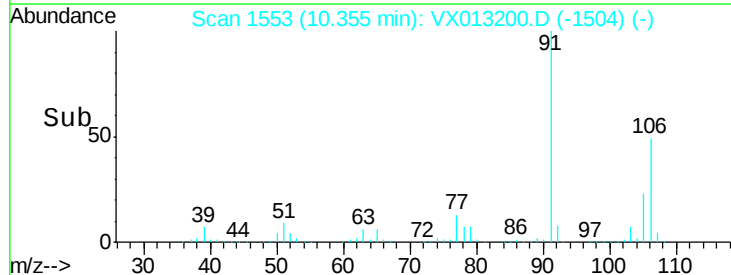
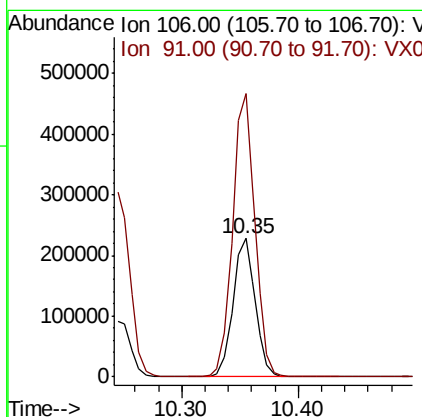
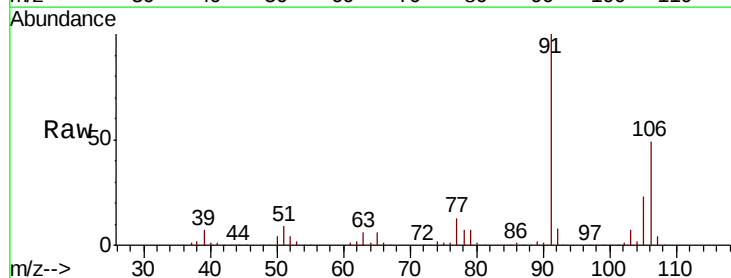
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

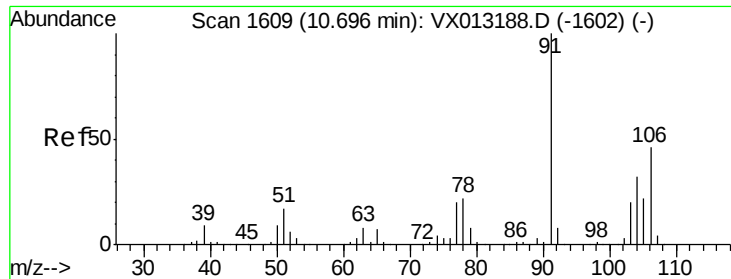
Tot Ion: 91 Resp: 394848
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3



#68
m/p-Xylenes
Concen: 103.112 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 106 Resp: 302339
Ion Ratio Lower Upper
106 100
91 205.6 166.8 250.2

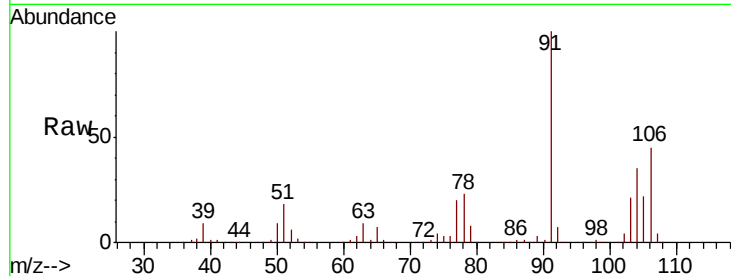




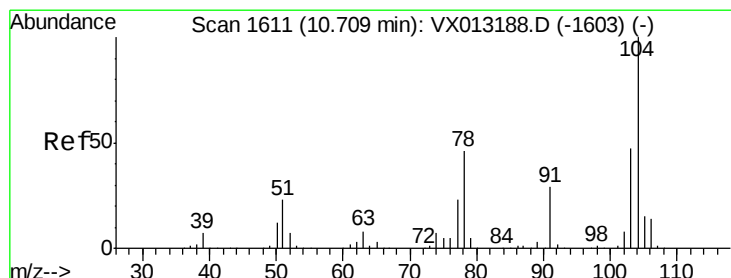
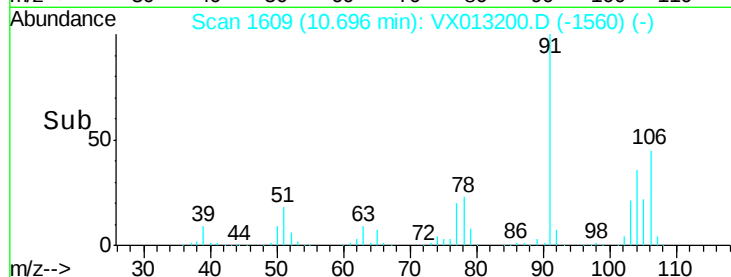
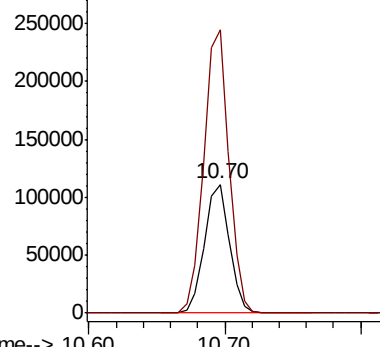
#69
o-Xylene
Concen: 50.517 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 142091
Ion Ratio Lower Upper
106 100
91 221.0 110.7 331.9

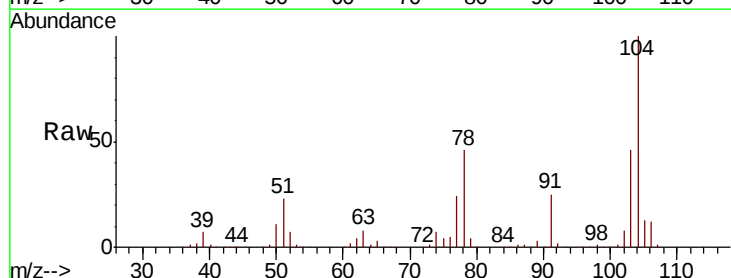


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

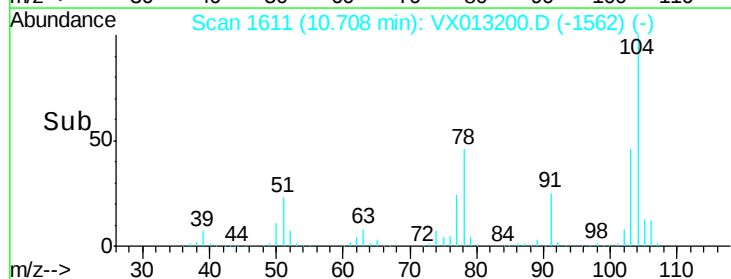
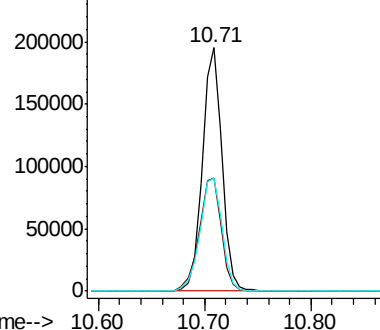


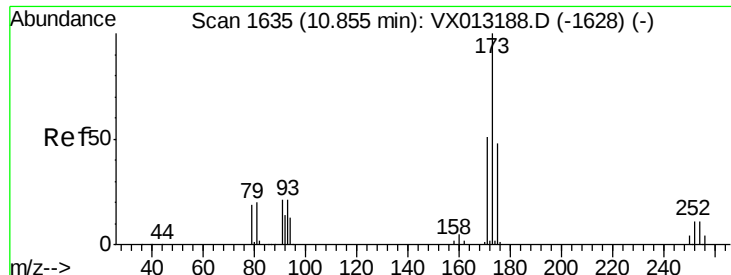
#70
Styrene
Concen: 52.040 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion:104 Resp: 252045
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.4
103 52.5 42.8 64.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 55.319 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

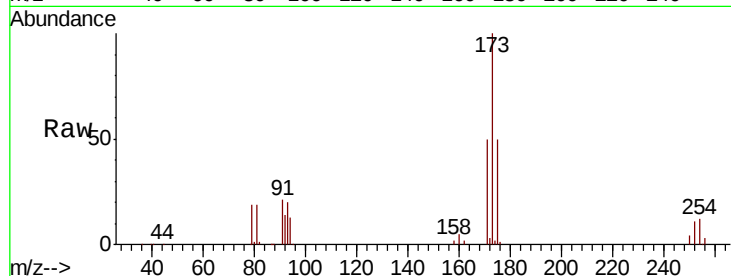
Tot Ion:173 Resp: 64713

Ion Ratio Lower Upper

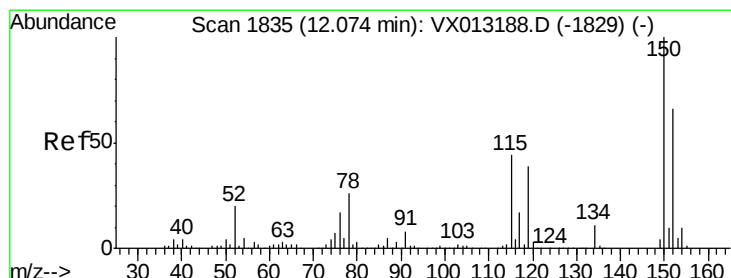
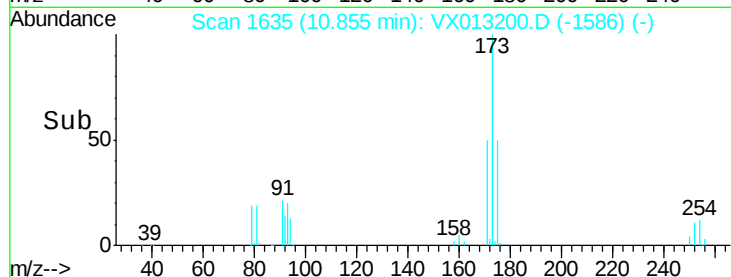
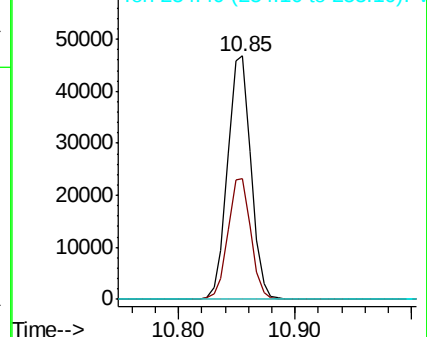
173 100

175 48.5 24.3 72.8

254 0.1 0.1 0.1



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

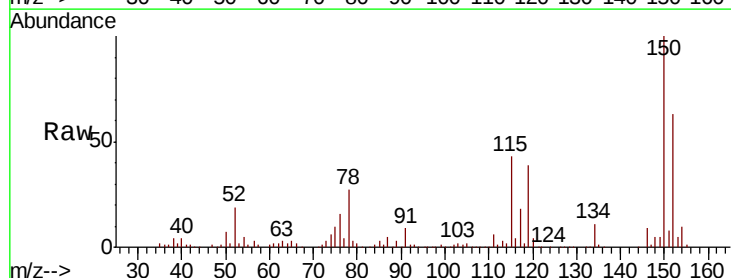
Tgt Ion:152 Resp: 88618

Ion Ratio Lower Upper

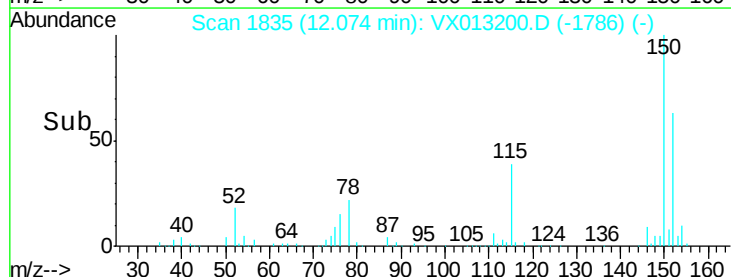
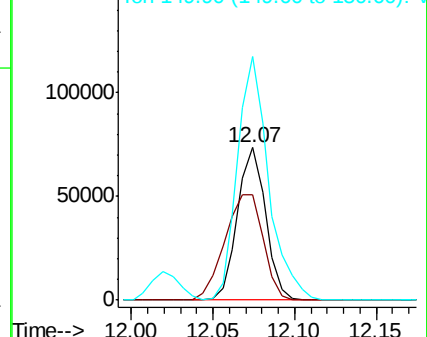
152 100

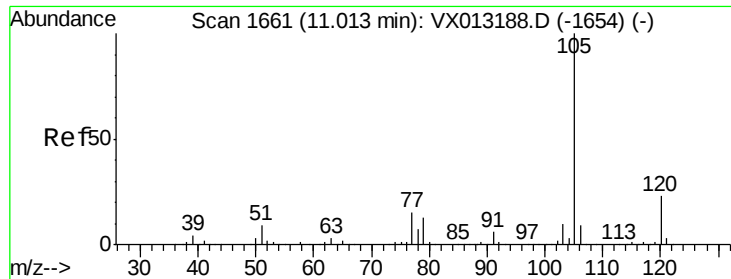
115 94.4 46.6 139.8

150 176.4 0.0 354.0



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: 49.806 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

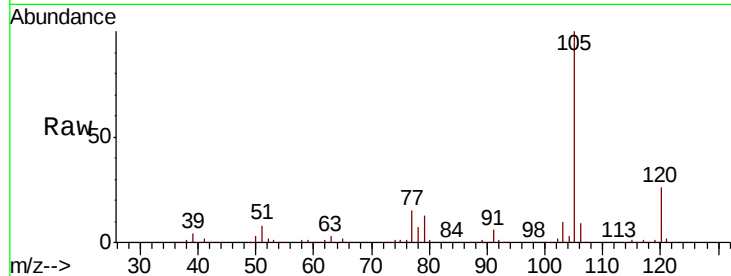
VSTDCCC050

Tot Ion:105 Resp: 400804

Ion Ratio Lower Upper

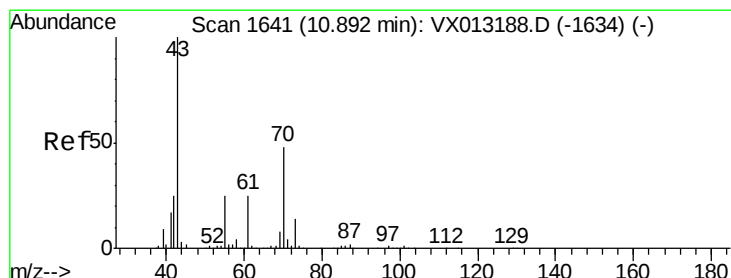
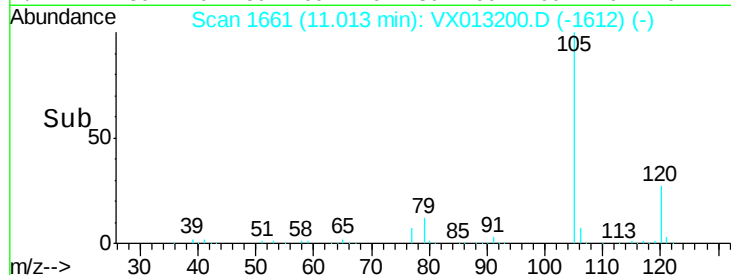
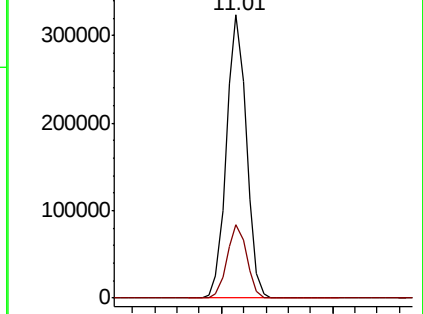
105 100

120 25.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.310 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Tgt Ion: 43 Resp: 145643

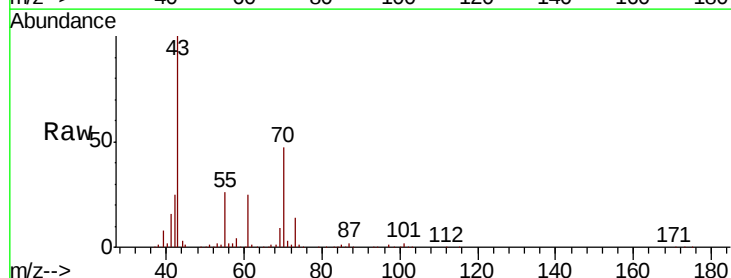
Ion Ratio Lower Upper

43 100

70 47.8 38.5 57.7

55 25.9 20.7 31.1

61 25.7 20.8 31.2

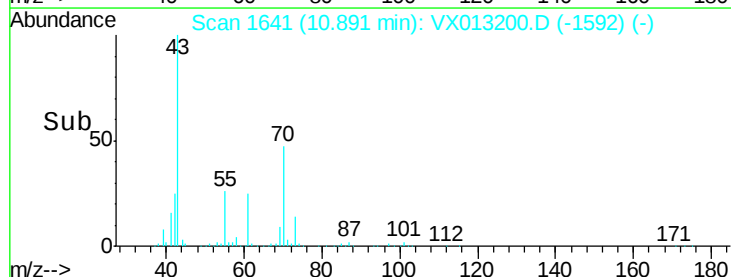
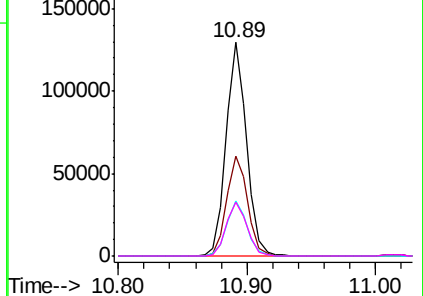


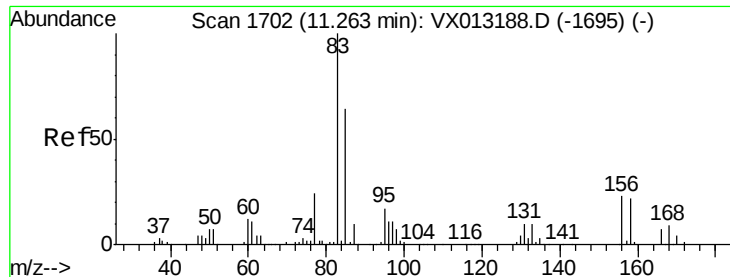
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.350 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

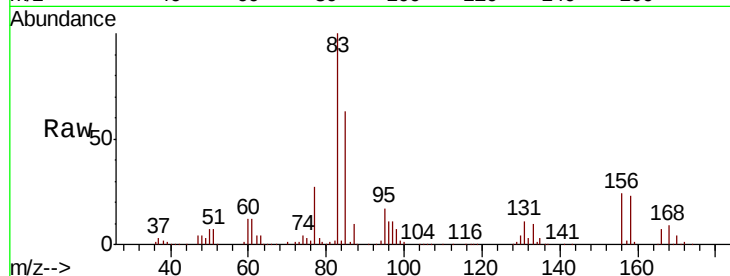
Tot Ion: 83 Resp: 118143

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

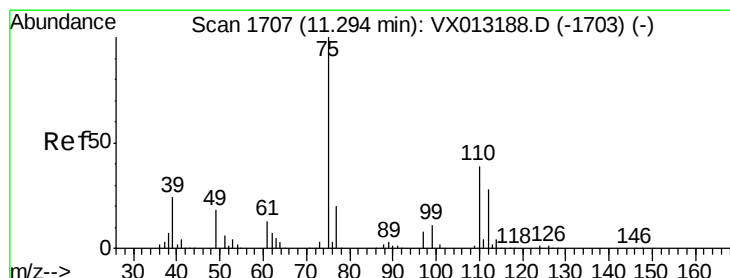
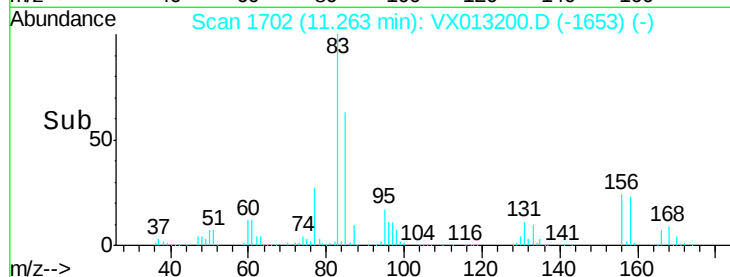
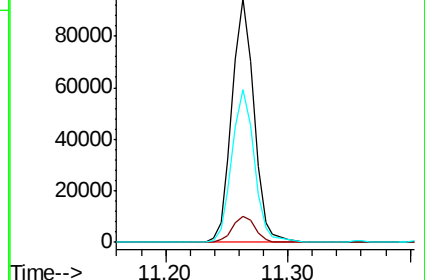
85 63.8 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 66.206 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013200.D

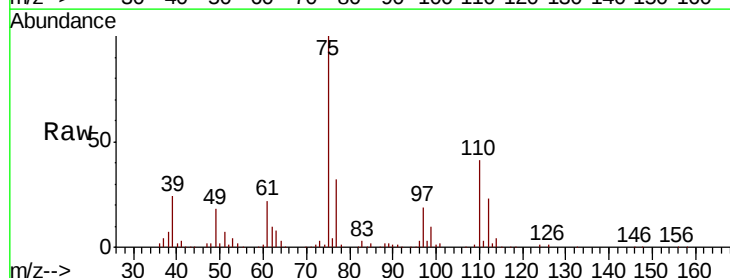
Acq: 24 Oct 2019 10:00

Tgt Ion: 75 Resp: 141407

Ion Ratio Lower Upper

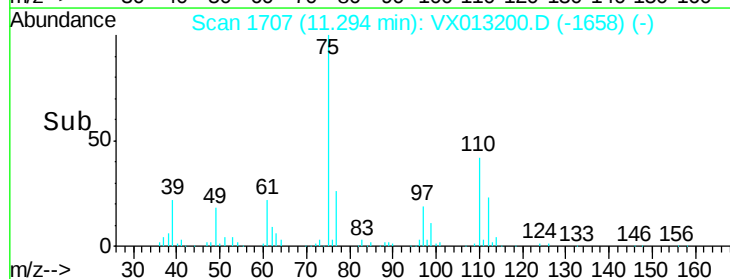
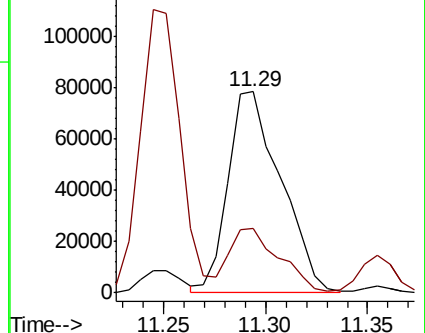
75 100

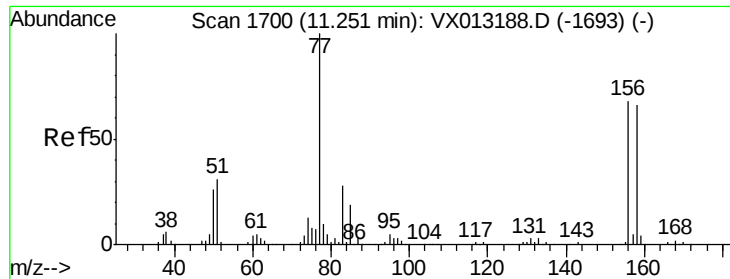
77 30.0 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.604 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

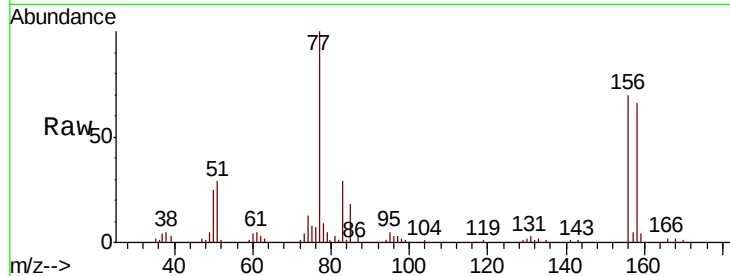
Tot Ion:156 Resp: 95673

Ion Ratio Lower Upper

156 100

77 158.0 81.7 245.1

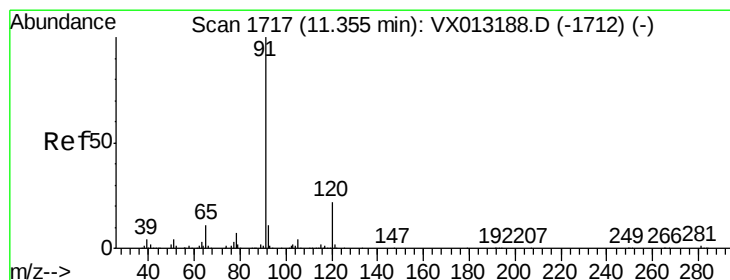
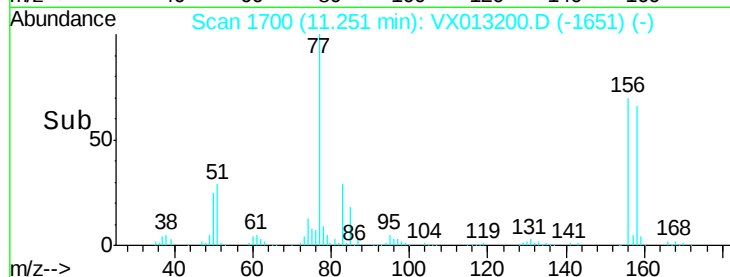
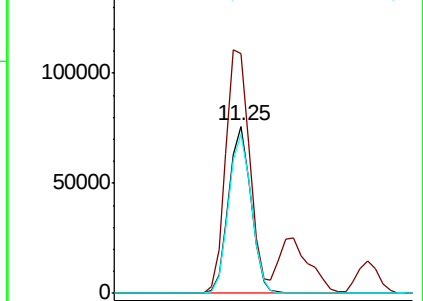
158 97.0 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.582 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013200.D

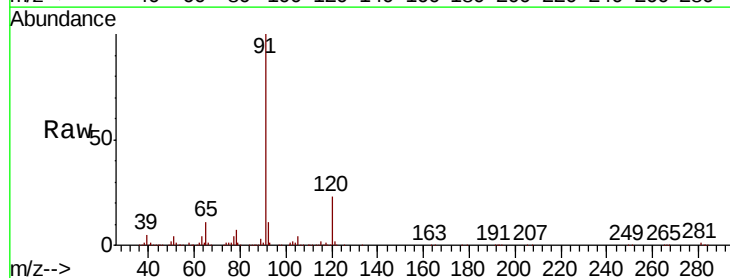
Acq: 24 Oct 2019 10:00

Tgt Ion: 91 Resp: 433411

Ion Ratio Lower Upper

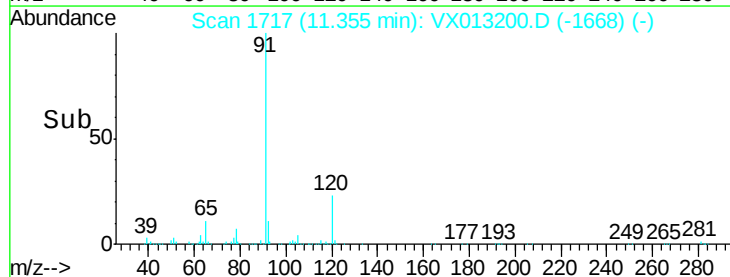
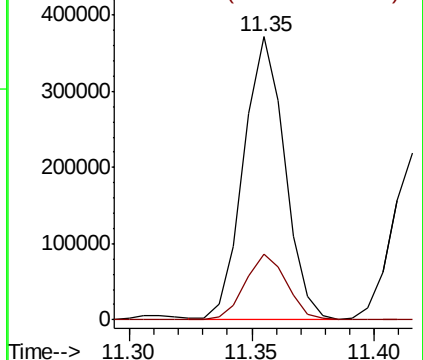
91 100

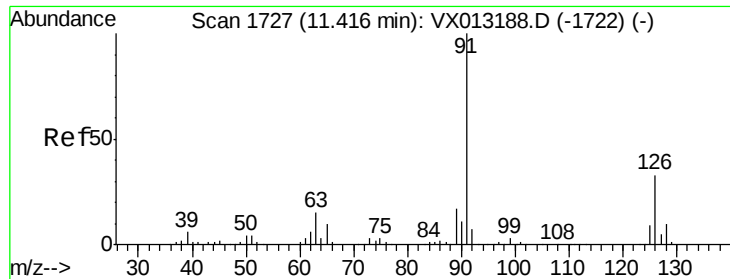
120 23.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

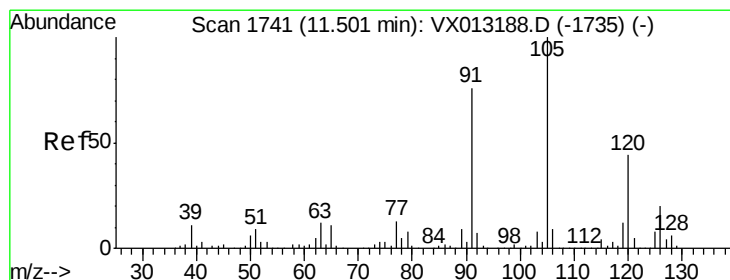
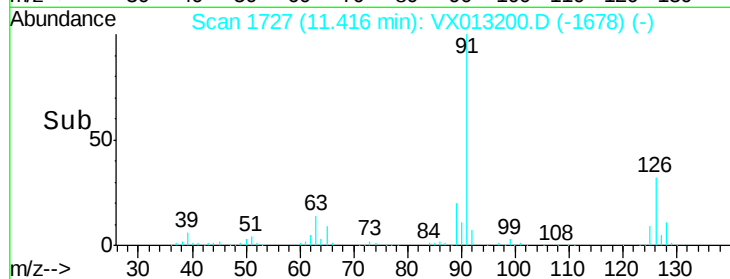
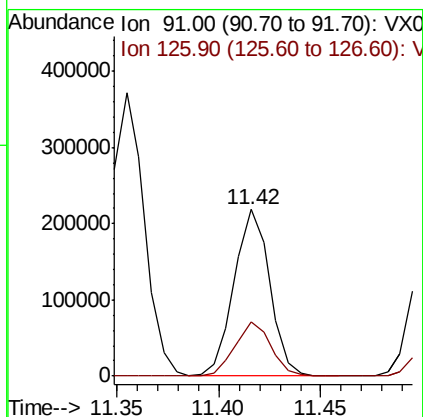
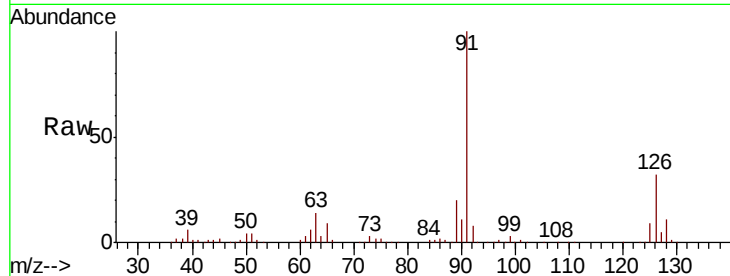




#79
 2-Chlorotoluene
 Concen: 47.761 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

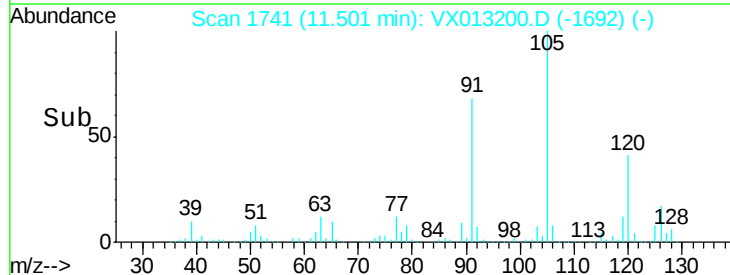
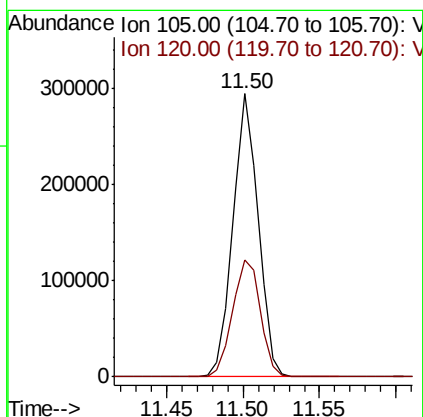
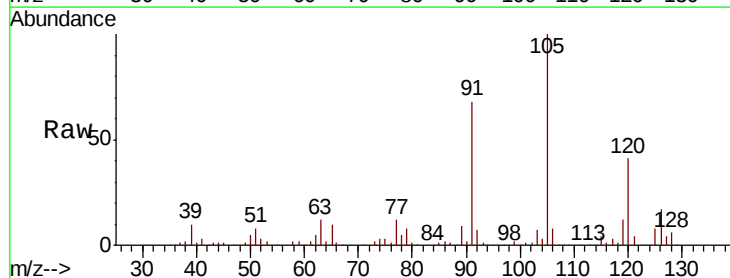
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

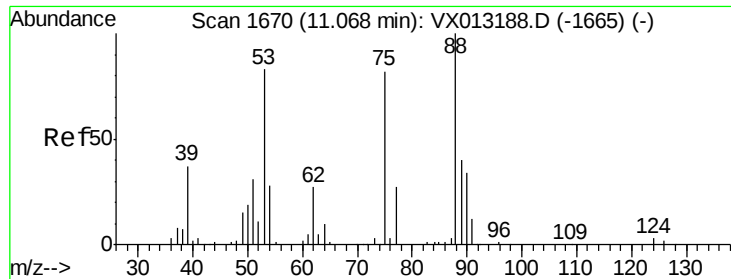
Tot Ion: 91 Resp: 263785
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.164 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion: 105 Resp: 335536
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.746 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

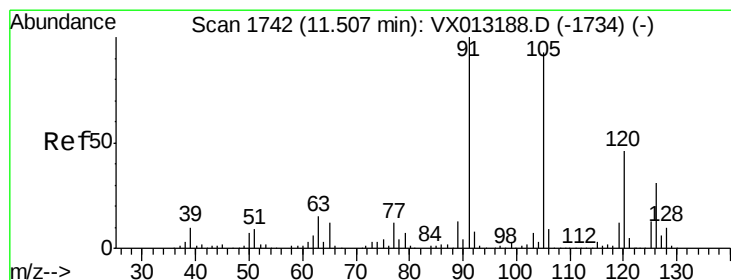
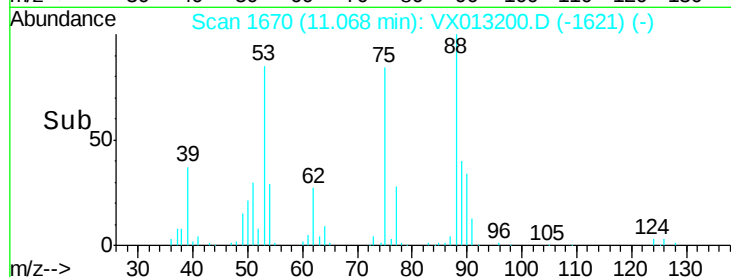
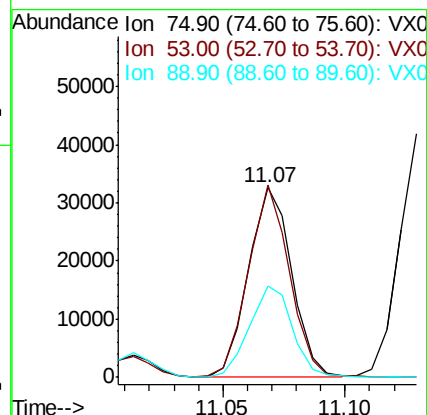
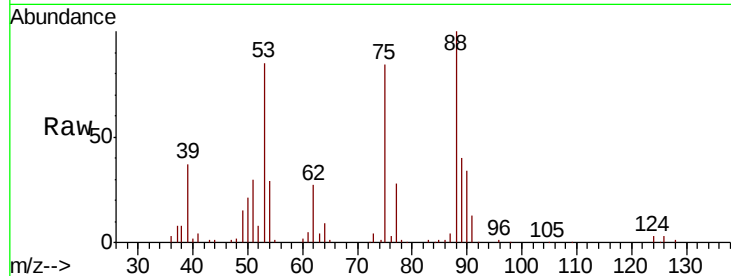
Tot Ion: 75 Resp: 40220

Ion Ratio Lower Upper

75 100

53 96.3 77.9 116.9

89 47.8 37.3 55.9



#82

4-Chlorotoluene

Concen: 49.218 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013200.D

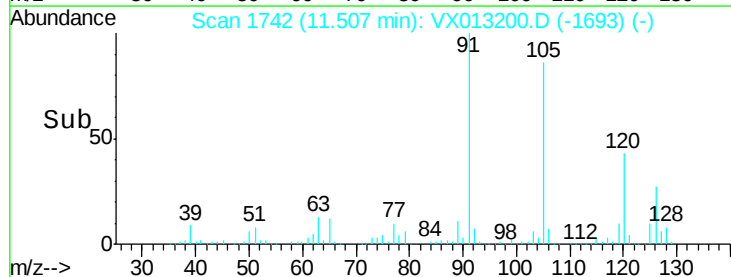
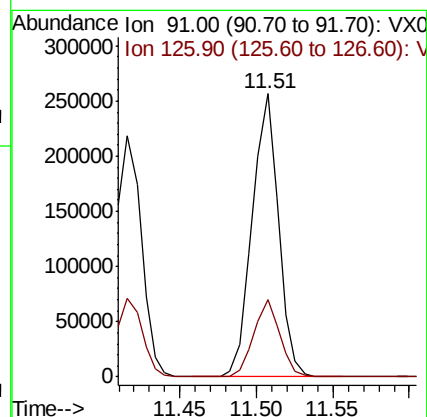
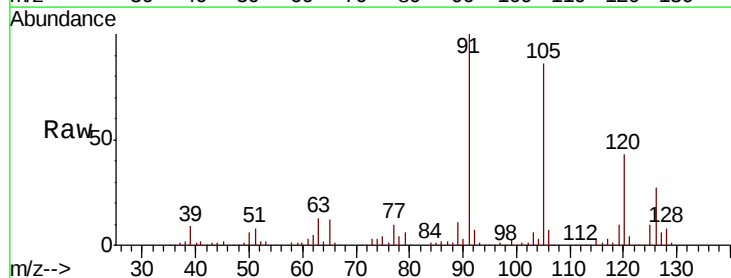
Acq: 24 Oct 2019 10:00

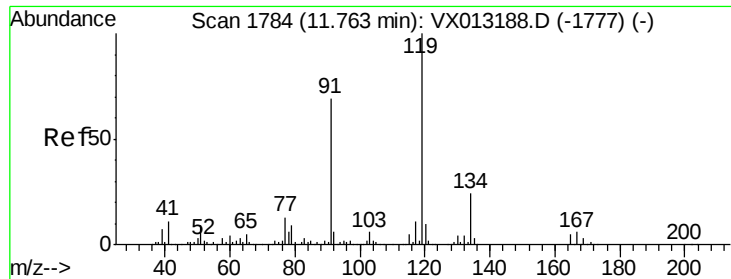
Tgt Ion: 91 Resp: 308000

Ion Ratio Lower Upper

91 100

126 27.2 14.6 44.0

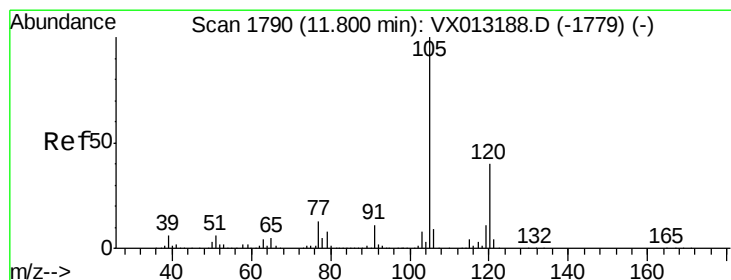
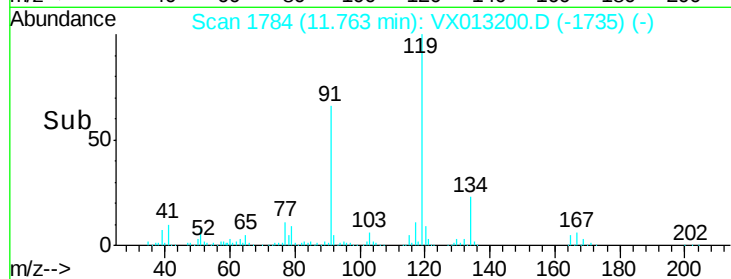
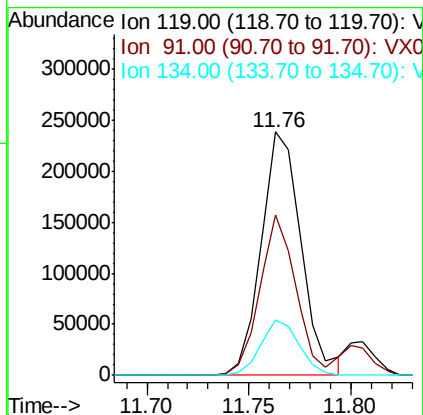
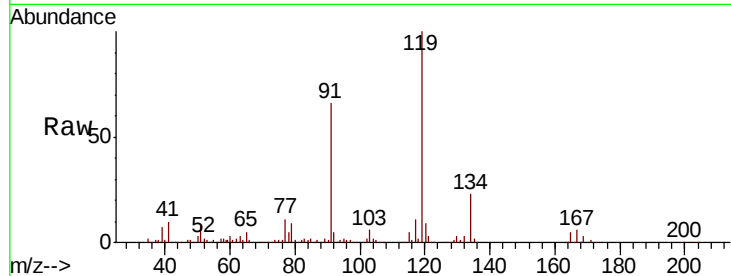




#83
tert-Butylbenzene
Concen: 49.231 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

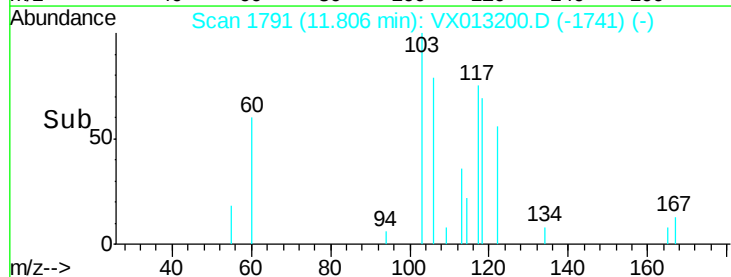
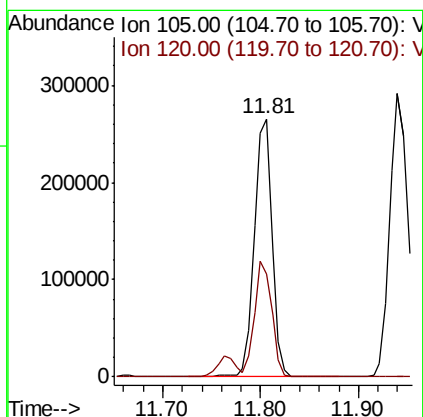
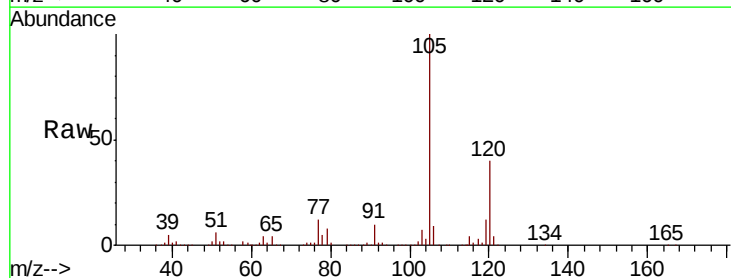
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

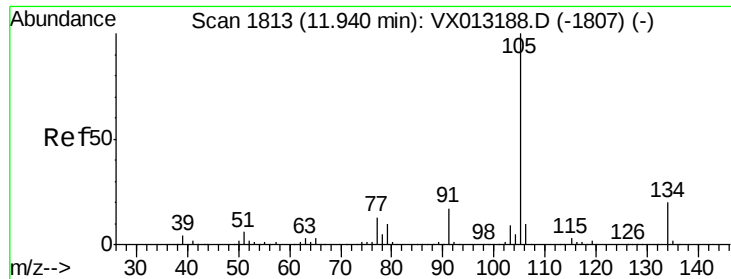
Tot Ion:119 Resp: 325799
Ion Ratio Lower Upper
119 100
91 59.4 30.8 92.4
134 21.7 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 49.341 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion:105 Resp: 332896
Ion Ratio Lower Upper
105 100
120 43.6 21.4 64.3





#85

sec-Butylbenzene

Concen: 49.153 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

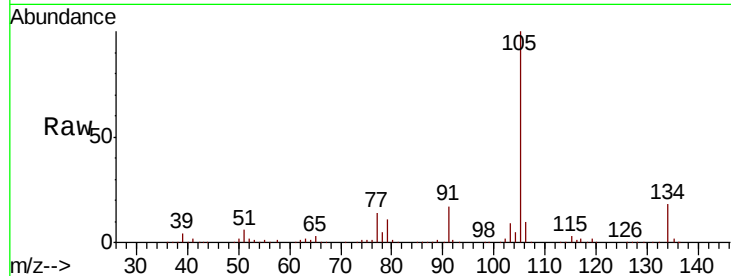
VSTDCCC050

Tot Ion:105 Resp: 370168

Ion Ratio Lower Upper

105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

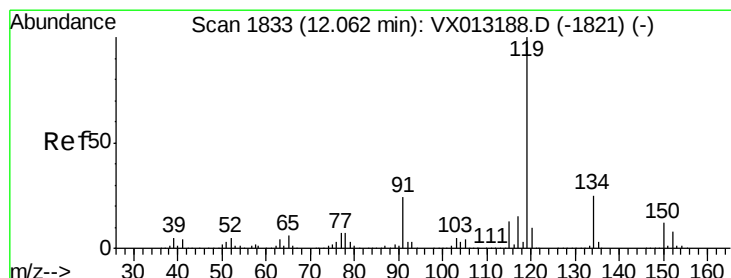
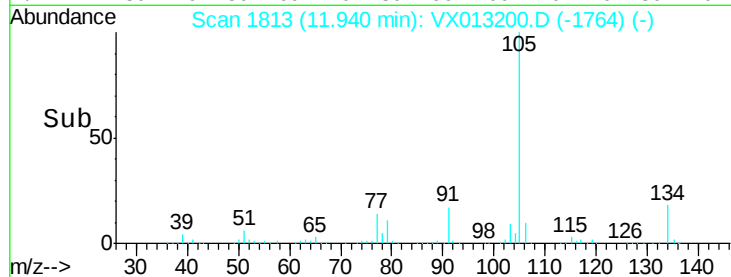
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.903 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

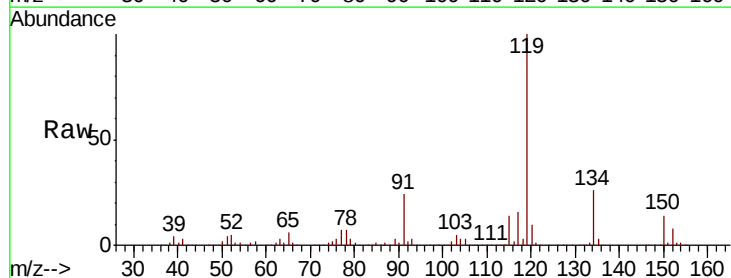
Tgt Ion:119 Resp: 367219

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 25.5 12.4 37.2



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): VX0

12.06

400000

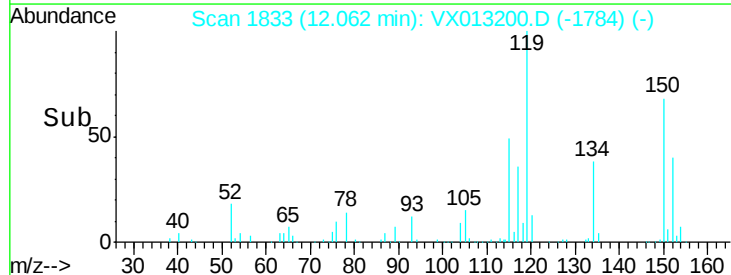
300000

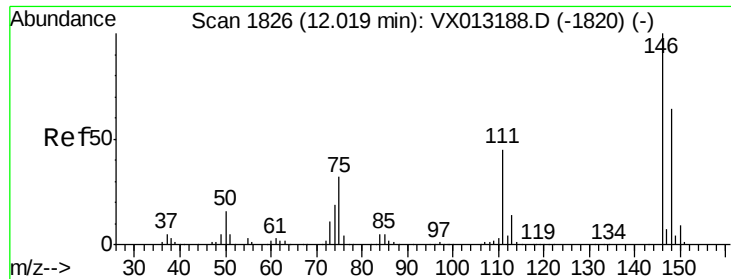
200000

100000

0

Time-->

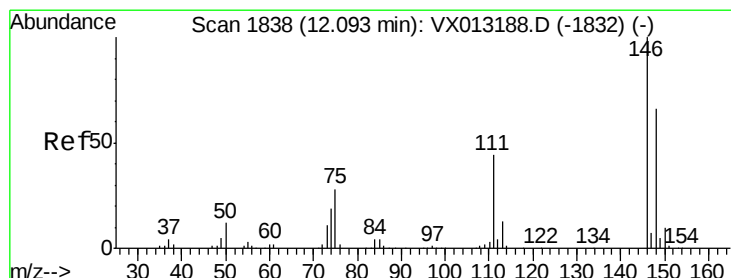
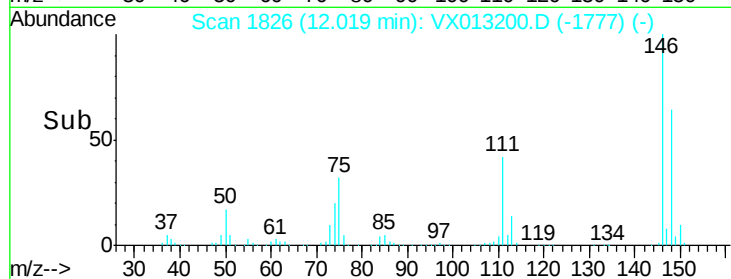
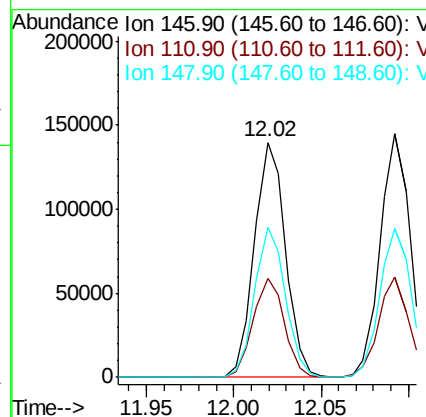
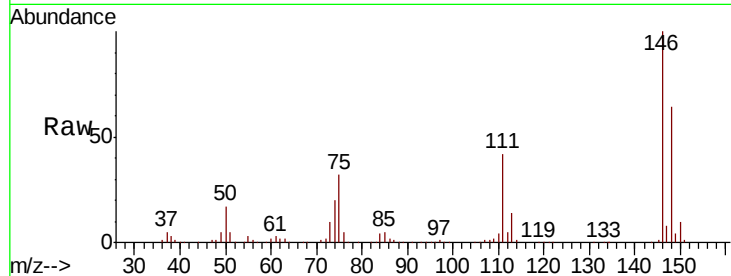




#87
 1,3-Dichlorobenzene
 Concen: 49.690 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

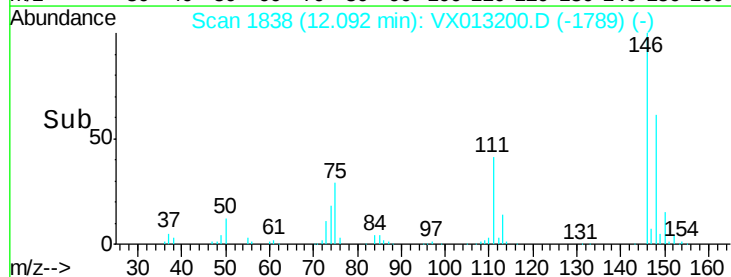
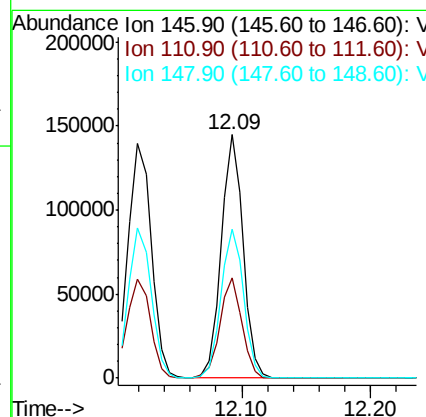
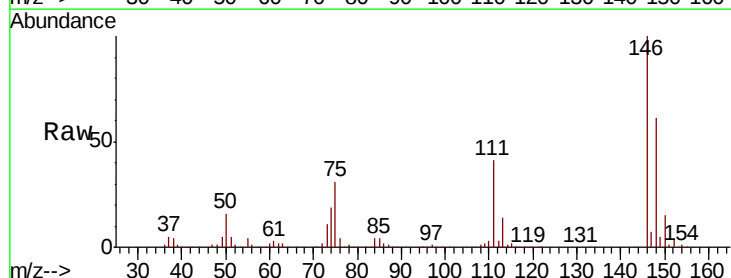
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

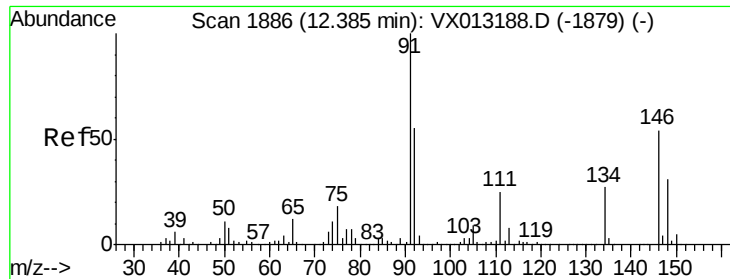
Tot Ion:146 Resp: 173139
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.3 63.9
 148 63.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 49.064 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion:146 Resp: 174060
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.3 63.9
 148 63.4 32.5 97.5

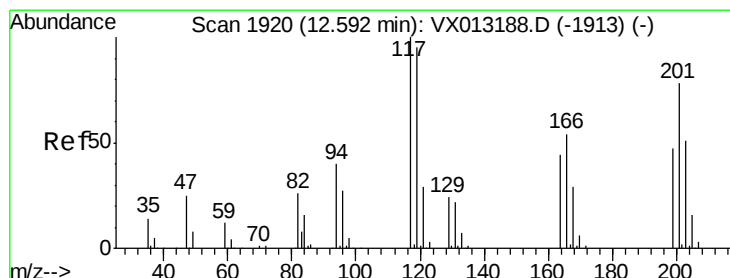
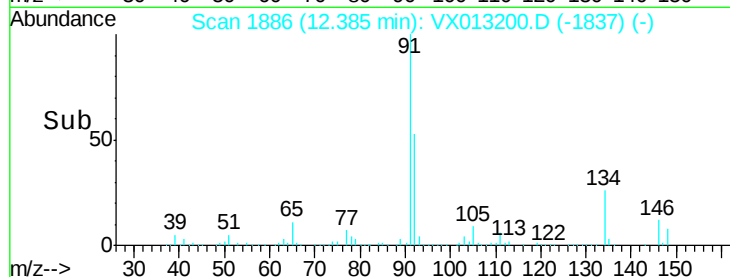
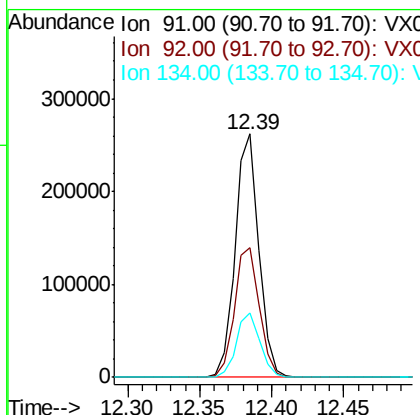
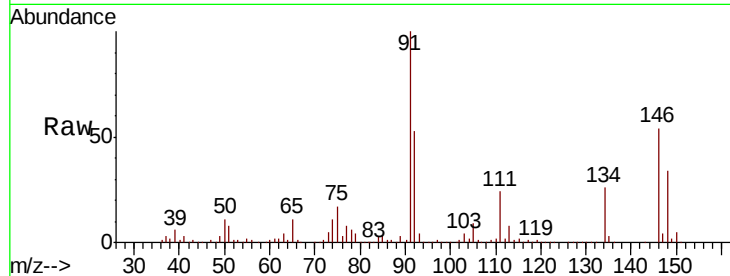




#89
n-Butylbenzene
Concen: 51.920 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

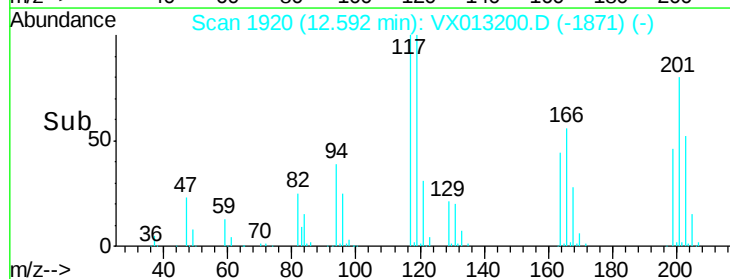
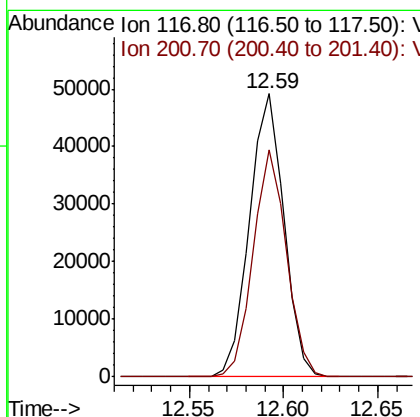
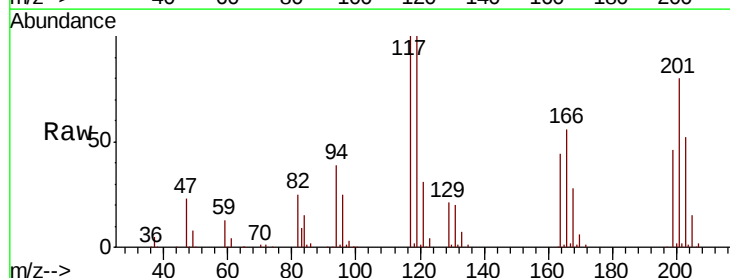
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

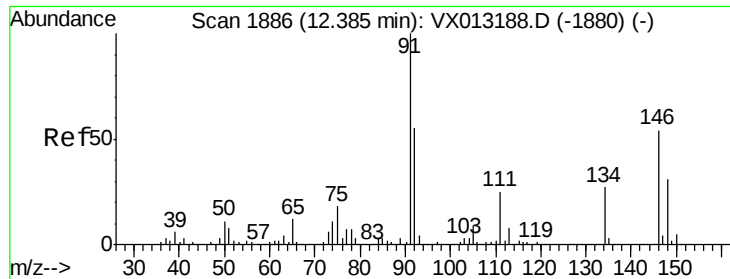
Tot Ion: 91 Resp: 300499
Ion Ratio Lower Upper
91 100
92 55.9 27.7 83.1
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 52.612 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion: 117 Resp: 62337
Ion Ratio Lower Upper
117 100
201 77.5 39.0 116.9





#91

1,2-Dichlorobenzene

Concen: 49.333 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

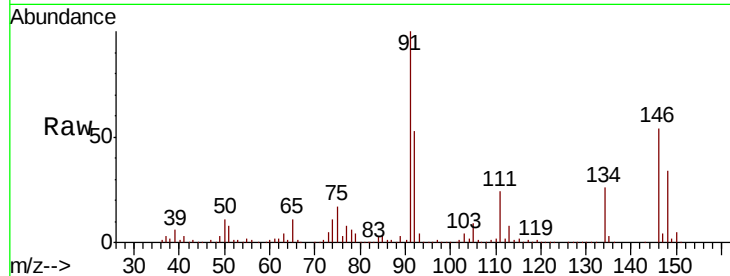
Tot Ion:146 Resp: 169030

Ion Ratio Lower Upper

146 100

111 44.5 22.9 68.8

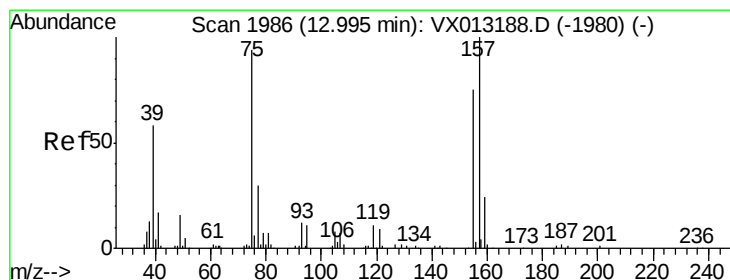
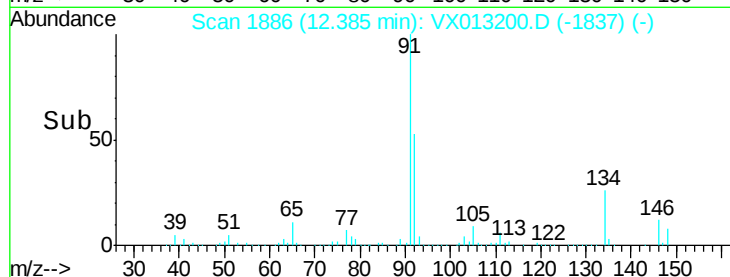
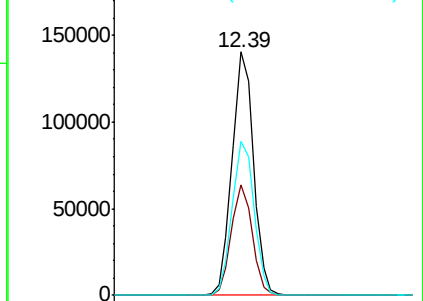
148 65.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.830 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013200.D

Acq: 24 Oct 2019 10:00

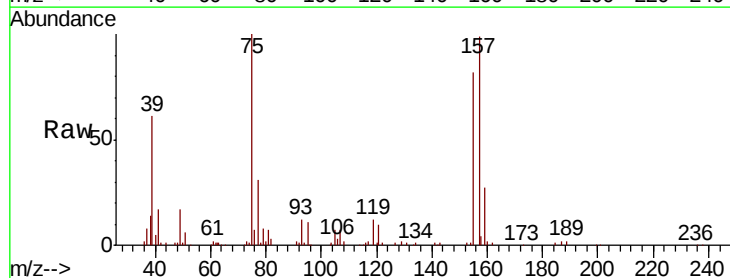
Tgt Ion: 75 Resp: 30886

Ion Ratio Lower Upper

75 100

155 82.4 42.8 128.4

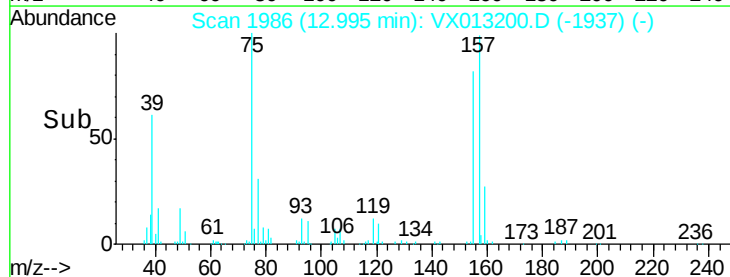
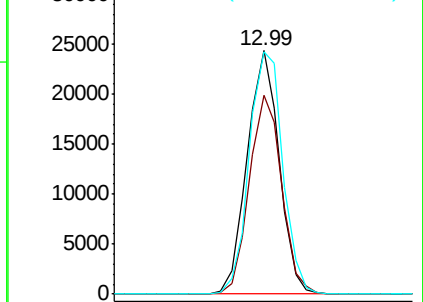
157 104.1 54.3 162.8

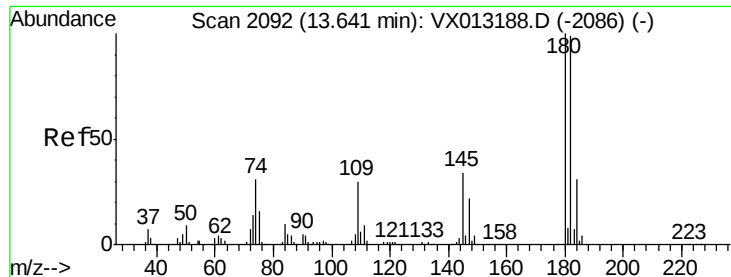


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

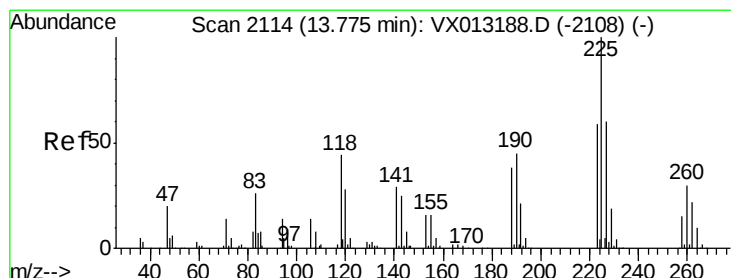
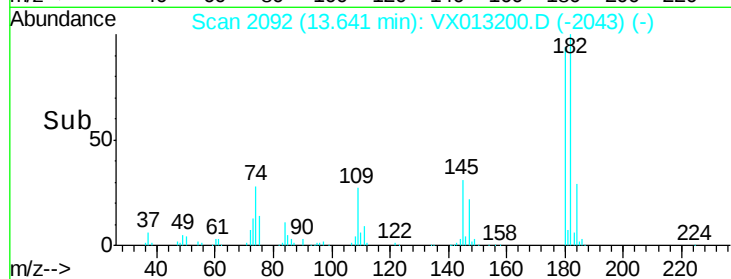
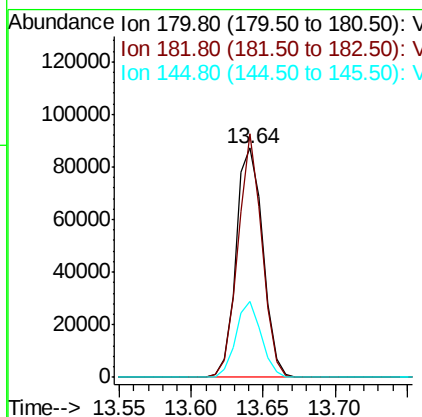
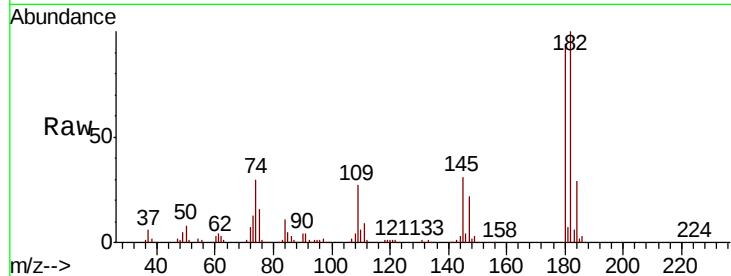




#93
 1,2,4-Trichlorobenzene
 Concen: 52.338 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

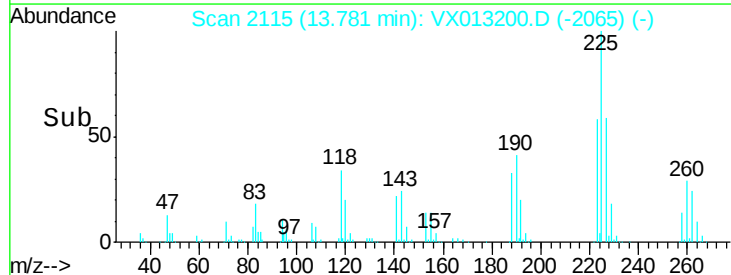
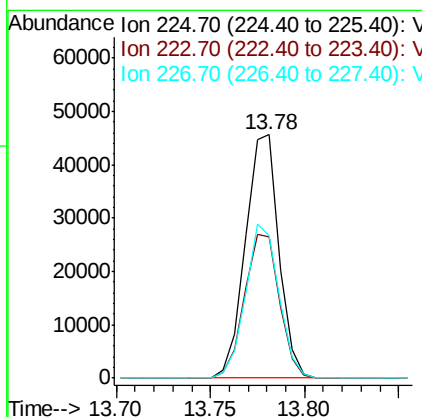
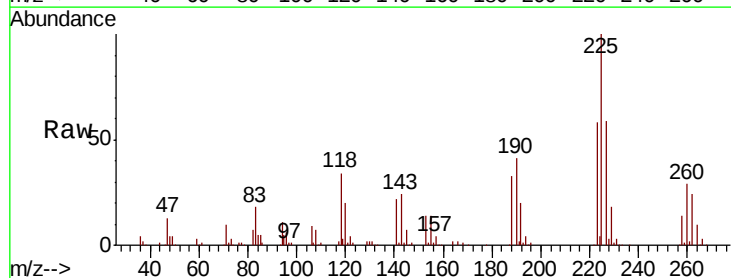
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

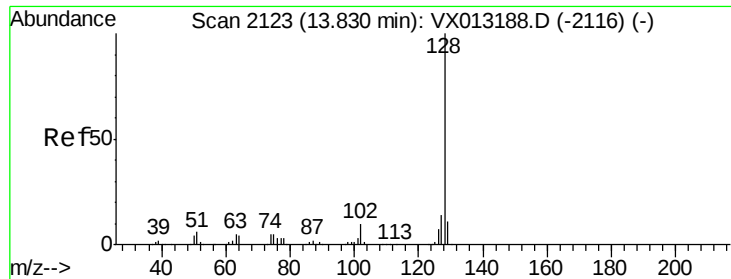
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	45.9	137.6
145	31.4	15.9	47.6



#94
 Hexachlorobutadiene
 Concen: 50.428 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013200.D
 Acq: 24 Oct 2019 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.5
227	62.9	30.3	90.9

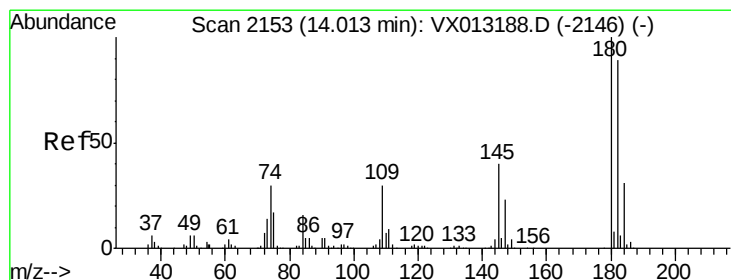
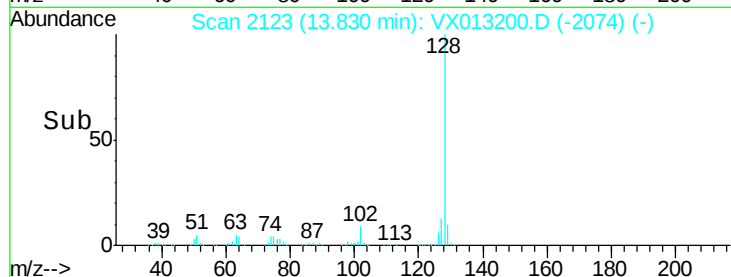
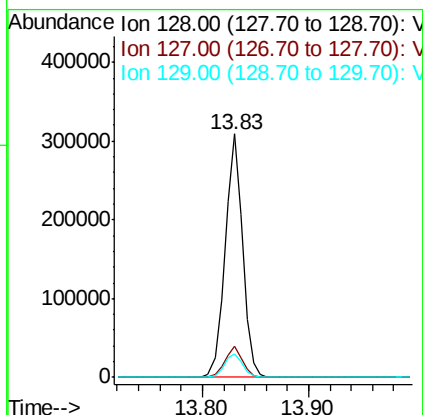
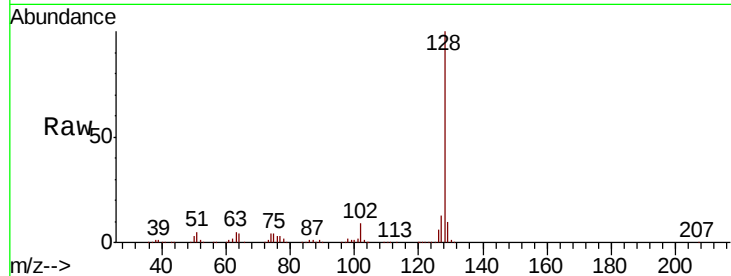




#95
Naphthalene
Concen: 53.291 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 352881
Ion Ratio Lower Upper
128 100
127 12.7 10.7 16.1
129 10.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.323 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013200.D
Acq: 24 Oct 2019 10:00

Tgt Ion:180 Resp: 113684
Ion Ratio Lower Upper
180 100
182 94.3 48.3 144.9
145 33.4 18.6 55.6

