

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
 Data File : VX012649.D
 Acq On : 25 Sep 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 25 23:02:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	201987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	346527	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	307162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	146716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	137597	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	5.48	113	102949	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	8.71	98	385389	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	154987	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	105111	46.258	ug/l	98
3) Chloromethane	1.32	50	115085	44.106	ug/l	97
4) Vinyl Chloride	1.40	62	119313	46.005	ug/l	97
5) Bromomethane	1.63	94	46795	45.891	ug/l	96
6) Chloroethane	1.71	64	79586	45.520	ug/l	98
7) Trichlorofluoromethane	1.92	101	174860	48.021	ug/l	100
8) Diethyl Ether	2.18	74	70747	47.410	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	102060	46.018	ug/l	94
10) Methyl Iodide	2.50	142	109534	47.189	ug/l	96
11) Tert butyl alcohol	3.03	59	173686	236.384	ug/l	99
12) 1,1-Dichloroethene	2.36	96	97328	44.816	ug/l	96
13) Acrolein	2.28	56	80314	198.421	ug/l	99
14) Allyl chloride	2.72	41	206756	47.986	ug/l	97
15) Acrylonitrile	3.13	53	333864	223.968	ug/l	99
16) Acetone	2.43	43	419841	269.481	ug/l	99
17) Carbon Disulfide	2.56	76	271970	44.671	ug/l	99
18) Methyl Acetate	2.76	43	163126	44.467	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	390926	47.557	ug/l	97
20) Methylene Chloride	2.84	84	120398	45.690	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	111100	46.177	ug/l	99
22) Diisopropyl ether	3.84	45	396407	47.613	ug/l	95
23) Vinyl Acetate	3.80	43	1747749	239.381	ug/l	99
24) 1,1-Dichloroethane	3.69	63	211690	46.776	ug/l	98
25) 2-Butanone	4.65	43	539987	241.725	ug/l	98
26) 2,2-Dichloropropane	4.56	77	192128	47.733	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	127810	45.783	ug/l	98
28) Bromochloromethane	5.00	49	77058	46.894	ug/l	99
29) Tetrahydrofuran	5.11	42	302858	222.434	ug/l	97
30) Chloroform	5.19	83	215362	46.514	ug/l	99
31) Cyclohexane	5.56	56	193947	47.372	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	192501	46.912	ug/l	99
36) 1,1-Dichloropropene	5.79	75	161806	48.443	ug/l	99
37) Ethyl Acetate	4.81	43	182540	46.746	ug/l	99
38) Carbon Tetrachloride	5.77	117	166709	49.133	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	196808	48.944	ug/l	99
40) Benzene	6.13	78	472274	48.055	ug/l	97
41) Methacrylonitrile	5.03	41	102988	47.006	ug/l	96
42) 1,2-Dichloroethane	6.18	62	180402	48.340	ug/l	99
43) Isopropyl Acetate	6.43	43	306660	46.959	ug/l	99
44) Trichloroethene	7.20	130	118563	47.191	ug/l	90
45) 1,2-Dichloropropane	7.50	63	120497	47.890	ug/l	99
46) Dibromomethane	7.65	93	80777	47.152	ug/l	96
47) Bromodichloromethane	7.89	83	167708	48.982	ug/l	98
48) Methyl methacrylate	7.76	41	149567	47.765	ug/l	95
49) 1,4-Dioxane	7.73	88	68234	960.735	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	937577	232.587	ug/l	97
52) Toluene	8.78	92	303590	49.150	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	190655	50.329	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	204487	49.440	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	119191	48.536	ug/l	97
56) Ethyl methacrylate	9.17	69	203758	49.389	ug/l	95
57) 1,3-Dichloropropane	9.36	76	205716	47.864	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	485820	262.340	ug/l	98
59) 2-Hexanone	9.48	43	769856	249.504	ug/l	96
60) Dibromochloromethane	9.57	129	124163	49.947	ug/l	99
61) 1,2-Dibromoethane	9.67	107	122640	47.987	ug/l	98
64) Tetrachloroethene	9.33	164	109632	51.192	ug/l	96
65) Chlorobenzene	10.14	112	311676	48.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	114291	48.768	ug/l	99
67) Ethyl Benzene	10.25	91	579443	49.391	ug/l	100
68) m/p-Xylenes	10.35	106	433725	98.693	ug/l	99
69) o-Xylene	10.70	106	210206	49.432	ug/l	98
70) Styrene	10.71	104	367735	51.585	ug/l	99
71) Bromoform	10.85	173	82467	50.536	ug/l #	98
73) Isopropylbenzene	11.01	105	569549	47.663	ug/l	100
74) N-amyl acetate	10.89	43	277205	48.626	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	185670	46.916	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	225481	58.099	ug/l	86
77) Bromobenzene	11.25	156	125719	46.485	ug/l	94
78) n-propylbenzene	11.35	91	657100	48.844	ug/l	99
79) 2-Chlorotoluene	11.42	91	399554	47.610	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	490934	48.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	65379	48.277	ug/l	98
82) 4-Chlorotoluene	11.51	91	466469	48.759	ug/l	97
83) tert-Butylbenzene	11.76	119	464350	48.038	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	491894	48.661	ug/l	99
85) sec-Butylbenzene	11.94	105	554536	49.323	ug/l	99
86) p-Isopropyltoluene	12.06	119	513347	50.602	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	235653	48.418	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	240823	48.966	ug/l	99
89) n-Butylbenzene	12.38	91	450482	50.393	ug/l	99
90) Hexachloroethane	12.59	117	88946	49.179	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	237395	48.720	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	47834	48.319	ug/l	96

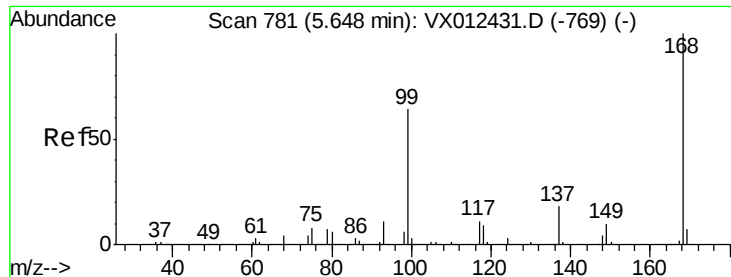
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	150773	50.738	ug/l	98
94) Hexachlorobutadiene	13.78	225	66066	51.679	ug/l	99
95) Naphthalene	13.83	128	551029	51.252	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	148244	49.801	ug/l	99

(#) = 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: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

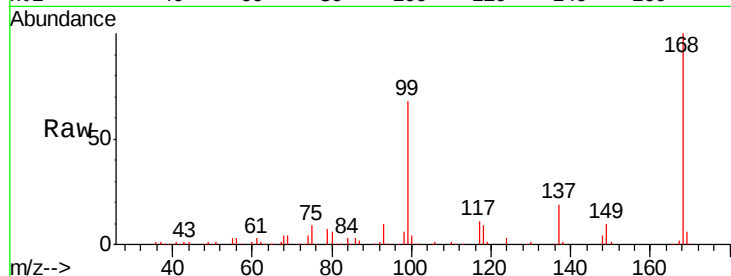
VSTDCCC050

Tgt Ion:168 Resp: 201987

Ion Ratio Lower Upper

168 100

99 68.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

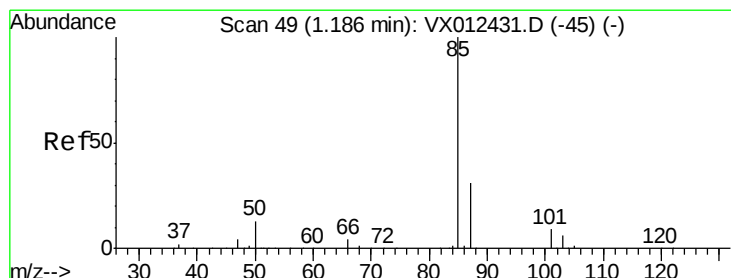
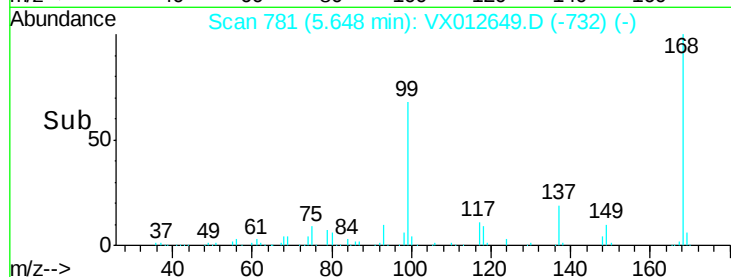
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.258 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012649.D

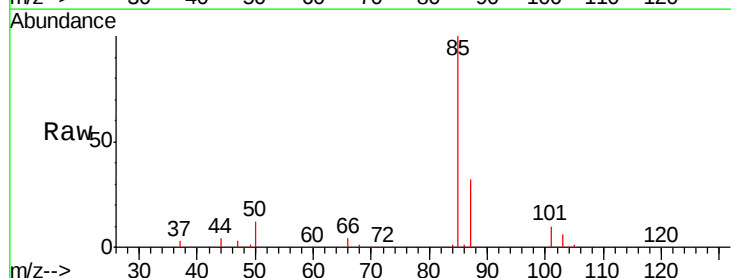
Acq: 25 Sep 2019 10:09

Tgt Ion: 85 Resp: 105111

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

60000

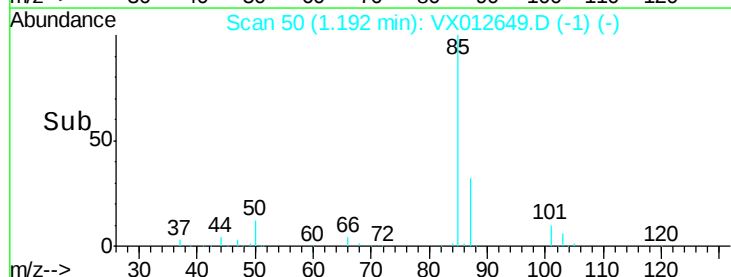
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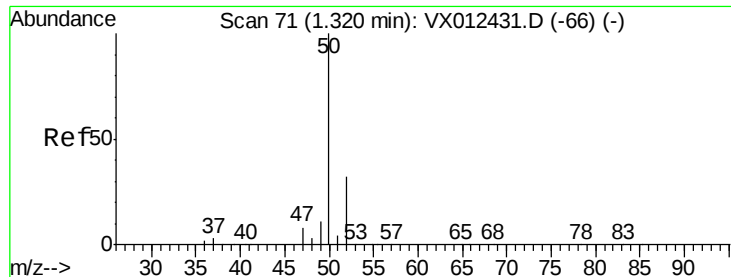
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Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 44.106 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

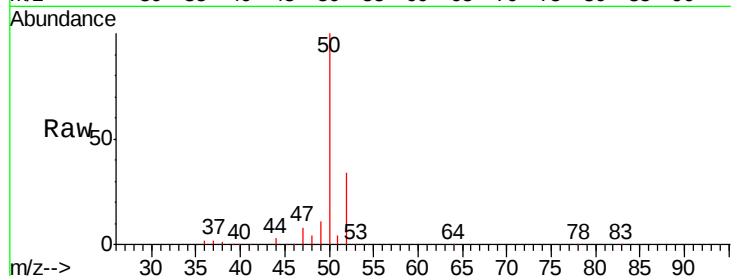
VSTDCCC050

Tgt Ion: 50 Resp: 115085

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

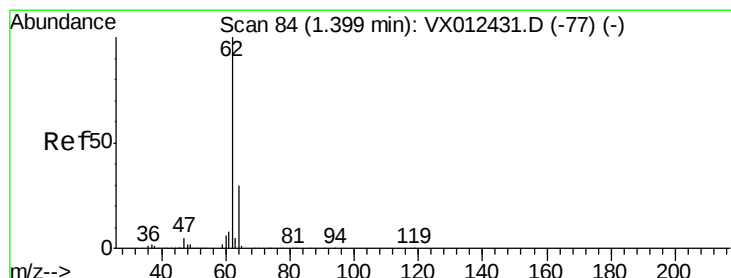
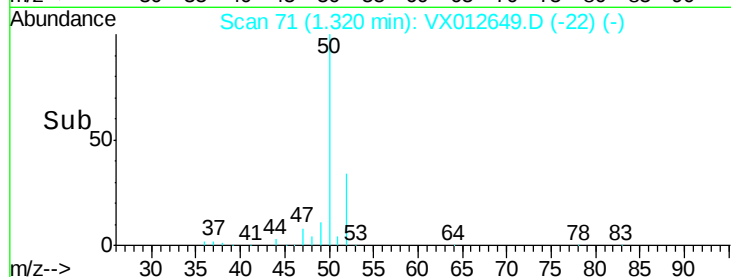
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Time-->



#4

Vinyl Chloride

Concen: 46.005 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012649.D

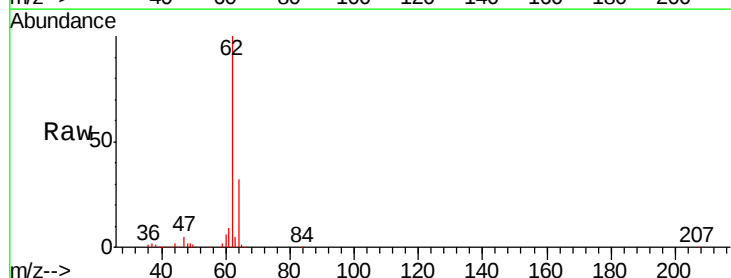
Acq: 25 Sep 2019 10:09

Tgt Ion: 62 Resp: 119313

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

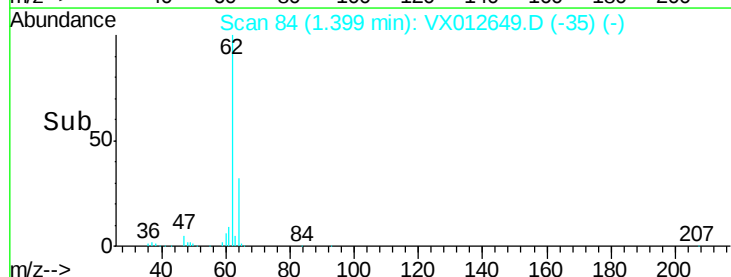
1.40

100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.891 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

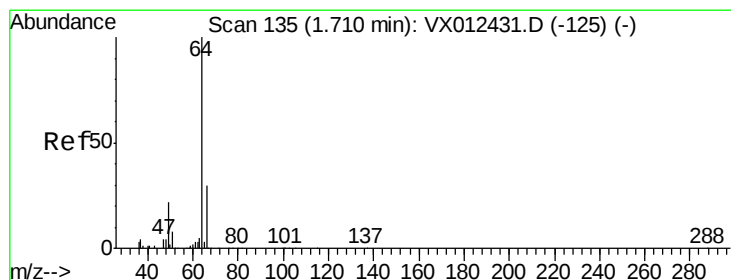
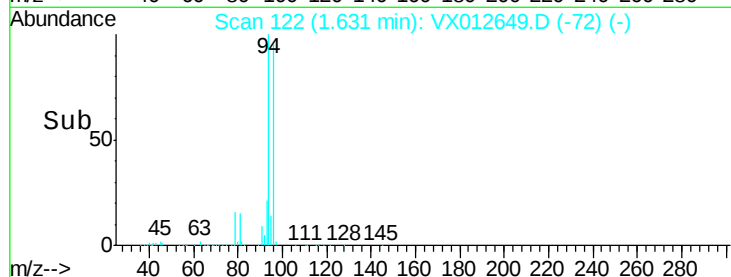
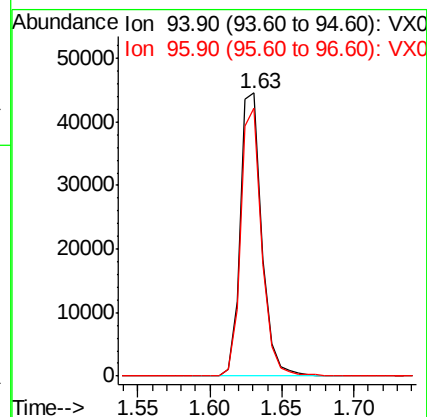
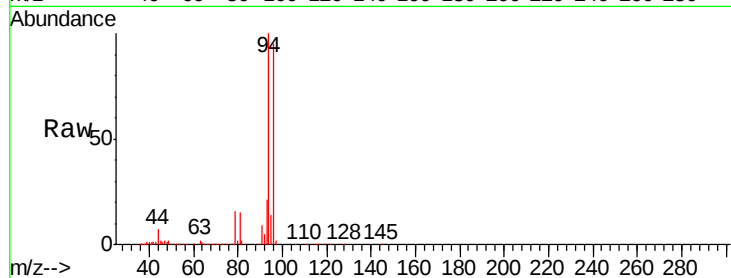
VSTDCCC050

Tgt Ion: 94 Resp: 46795

Ion Ratio Lower Upper

94 100

96 94.6 72.8 109.2



#6

Chloroethane

Concen: 45.520 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012649.D

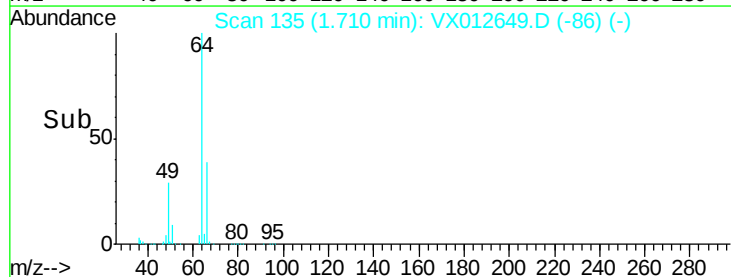
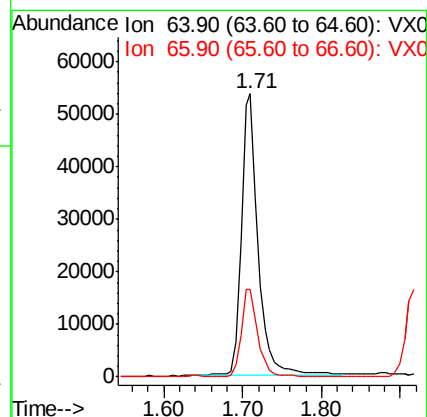
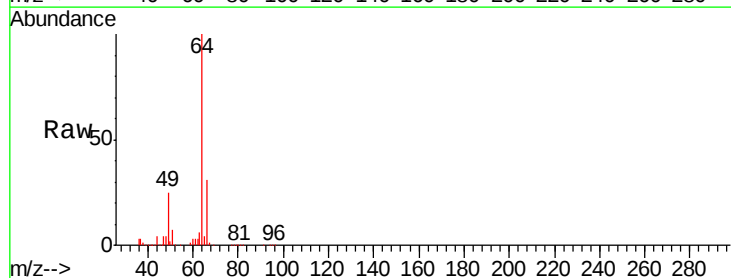
Acq: 25 Sep 2019 10:09

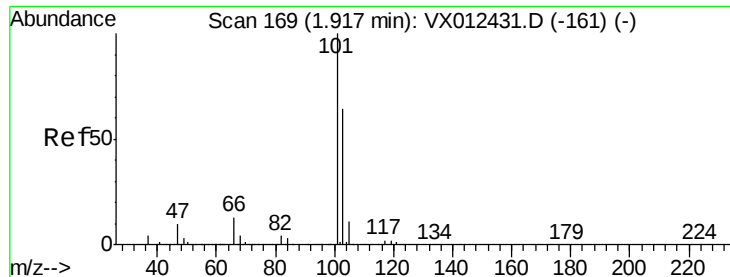
Tgt Ion: 64 Resp: 79586

Ion Ratio Lower Upper

64 100

66 31.1 24.0 36.0



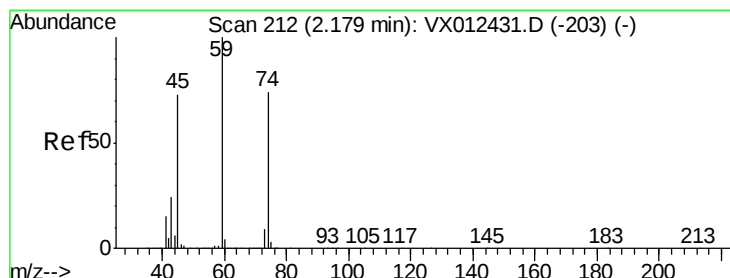
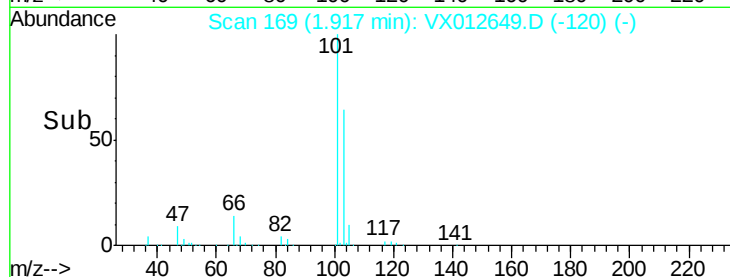
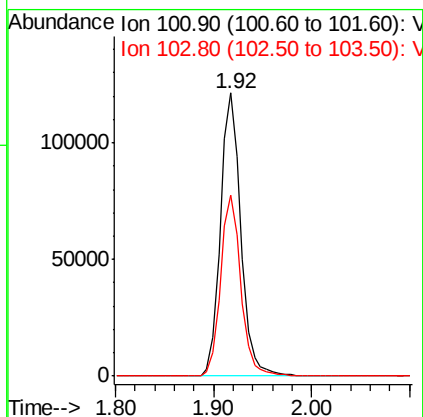
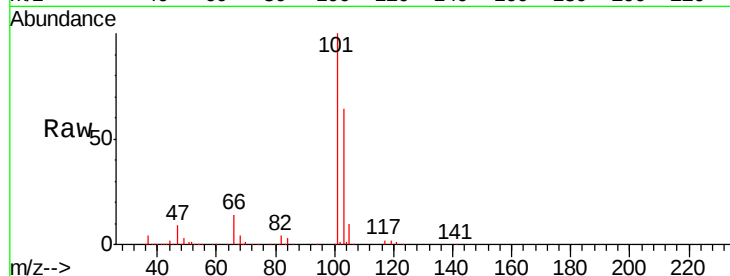


#7

Trichlorofluoromethane
 Concen: 48.021 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Instrument :
 MSVOA_X
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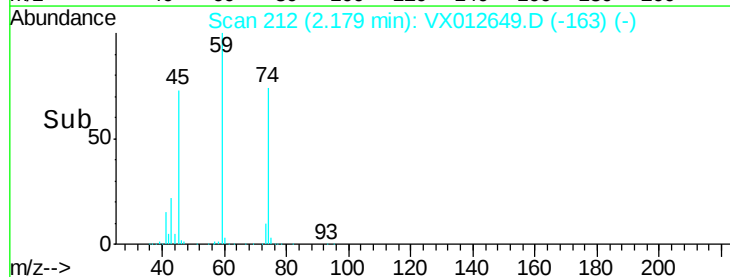
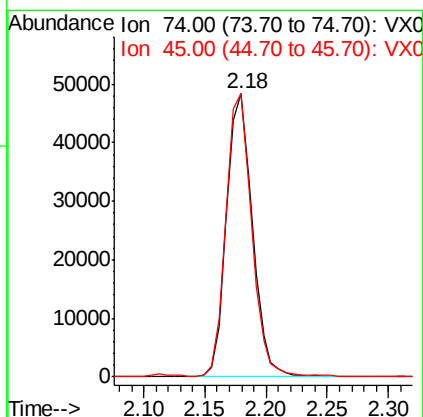
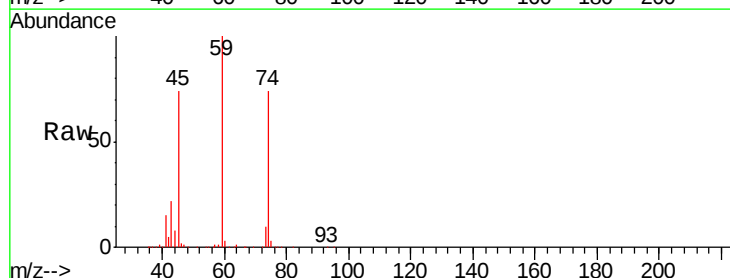
Tgt Ion: 101 Resp: 174860
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.0 76.4

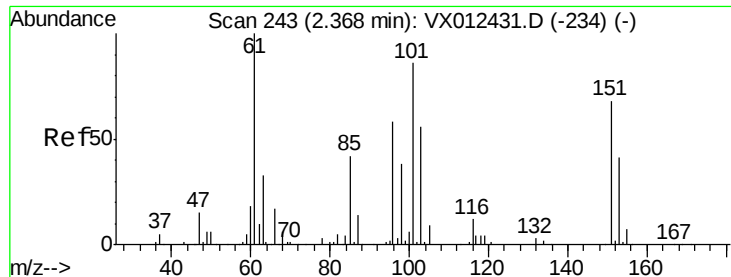


#8

Diethyl Ether
 Concen: 47.410 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion: 74 Resp: 70747
 Ion Ratio Lower Upper
 74 100
 45 99.6 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.018 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

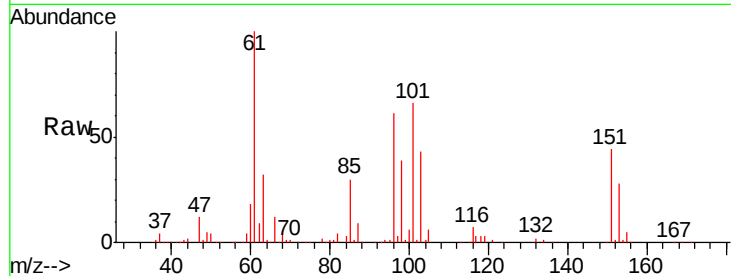
Tgt Ion:101 Resp: 102060

Ion Ratio Lower Upper

101 100

85 44.9 37.3 55.9

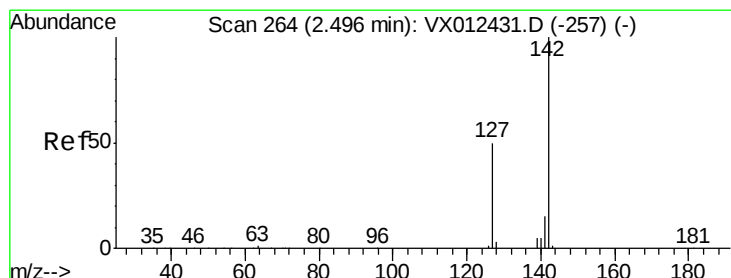
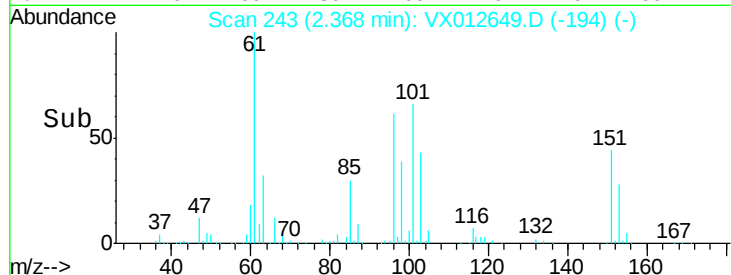
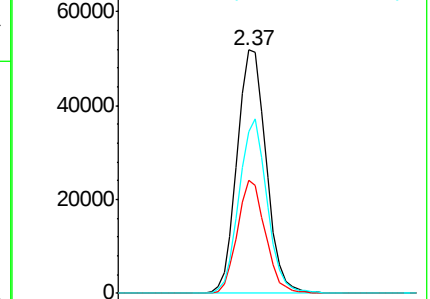
151 69.4 61.0 91.4



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: 47.189 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

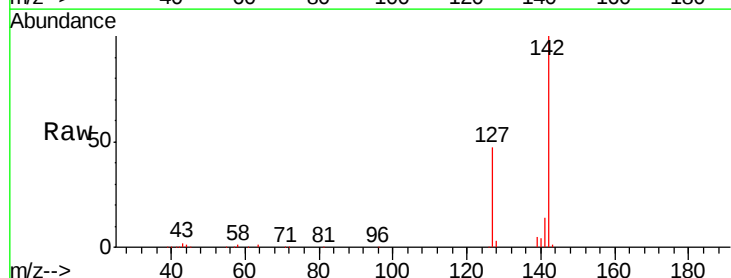
Tgt Ion:142 Resp: 109534

Ion Ratio Lower Upper

142 100

127 47.3 40.8 61.2

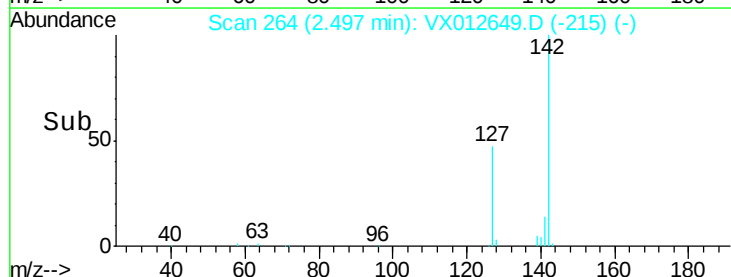
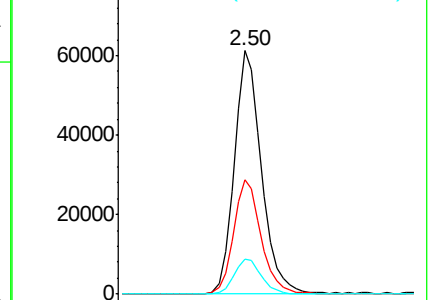
141 14.5 12.1 18.1

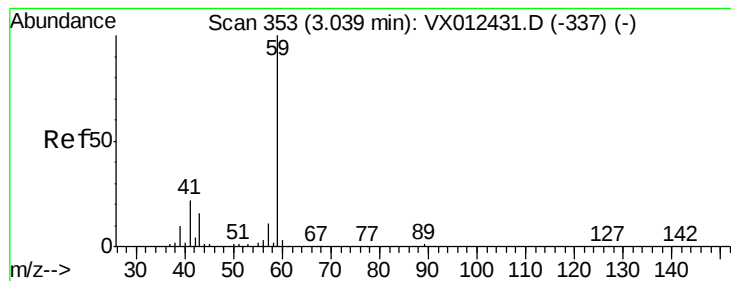


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



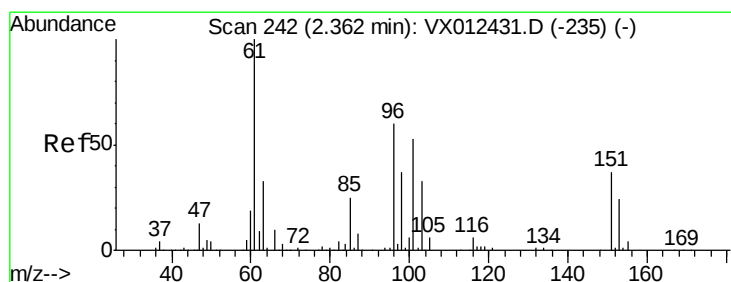
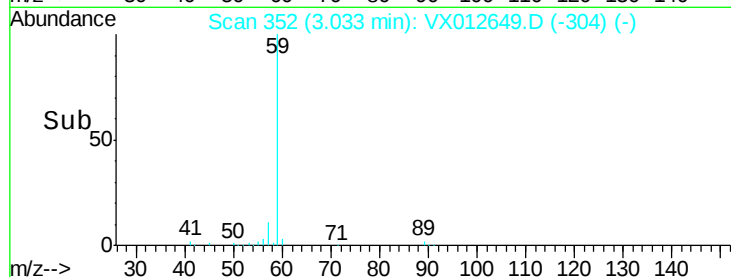
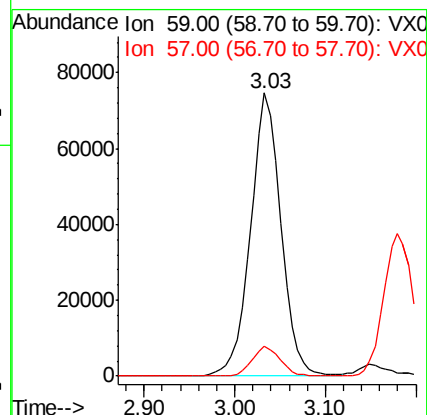
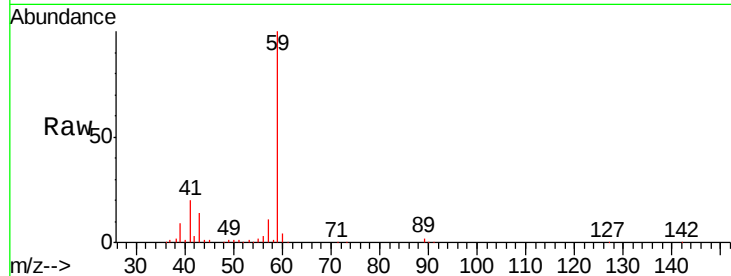


#11

Tert butyl alcohol
 Concen: 236.384 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

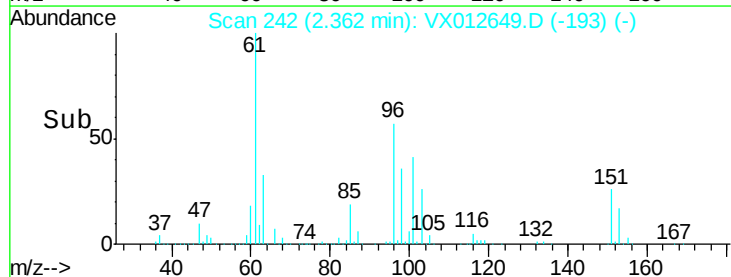
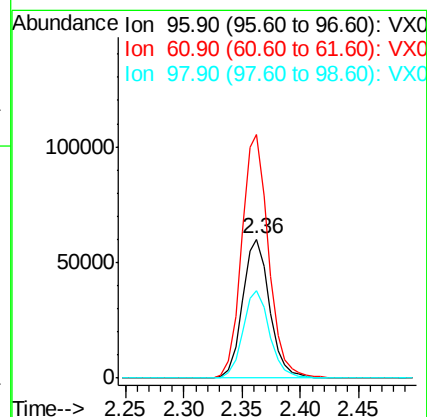
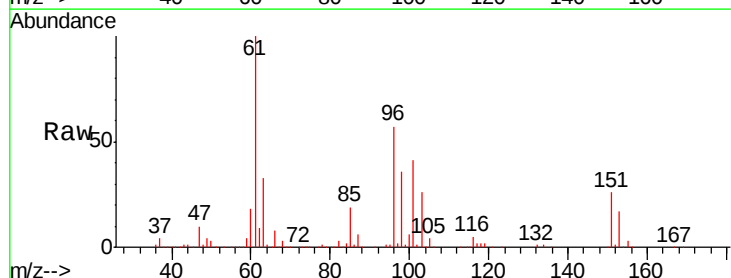
Tgt Ion: 59 Resp: 173686
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

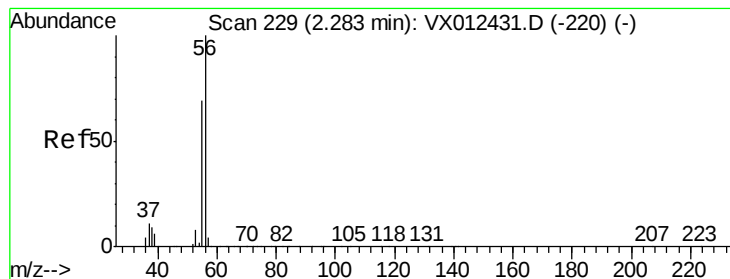


#12

1,1-Dichloroethene
 Concen: 44.816 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion: 96 Resp: 97328
 Ion Ratio Lower Upper
 96 100
 61 175.2 133.8 200.6
 98 62.5 49.9 74.9





#13

Acrolein

Concen: 198.421 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

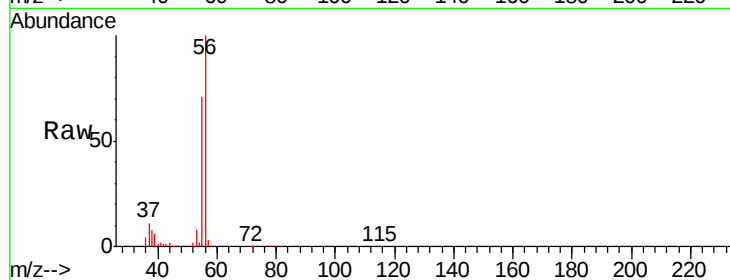
VSTDCCC050

Tgt Ion: 56 Resp: 80314

Ion Ratio Lower Upper

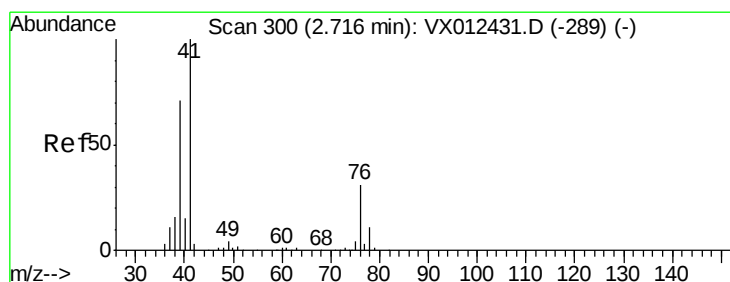
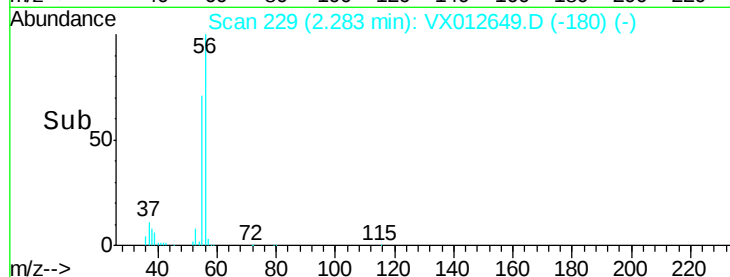
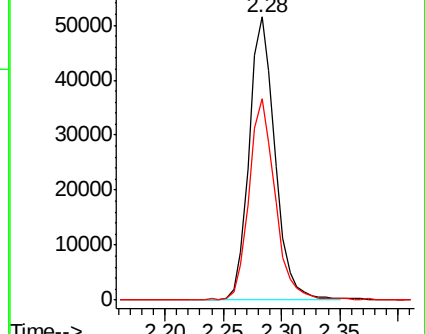
56 100

55 70.7 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.986 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

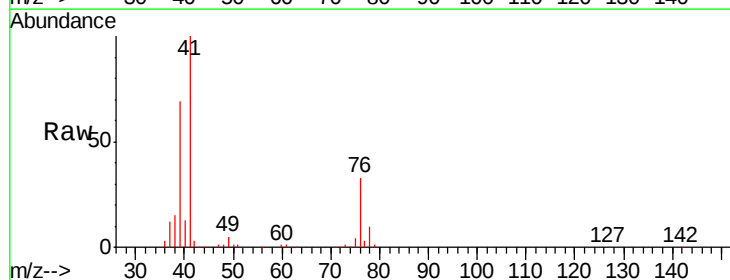
Tgt Ion: 41 Resp: 206756

Ion Ratio Lower Upper

41 100

39 65.3 51.3 76.9

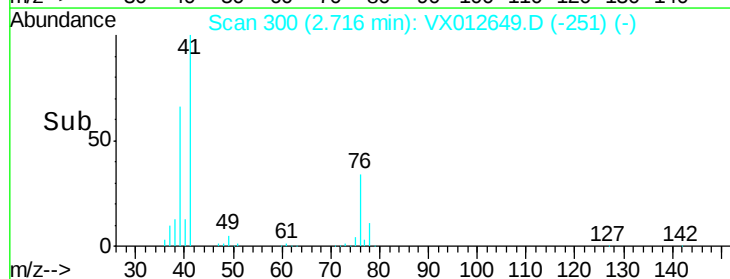
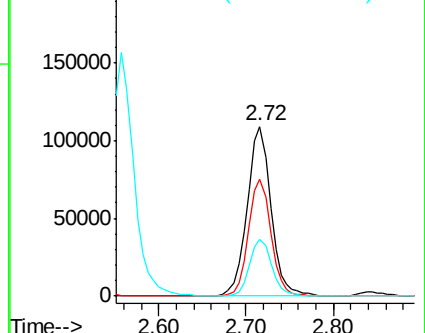
76 31.2 22.6 33.8

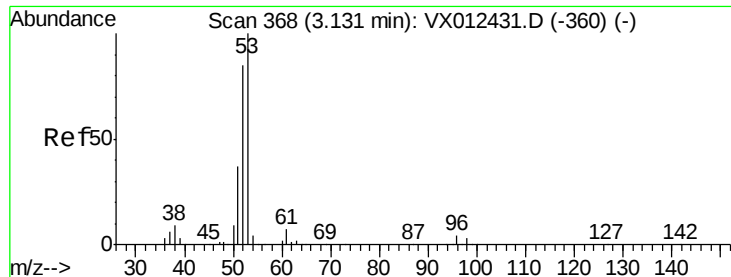


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 223.968 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

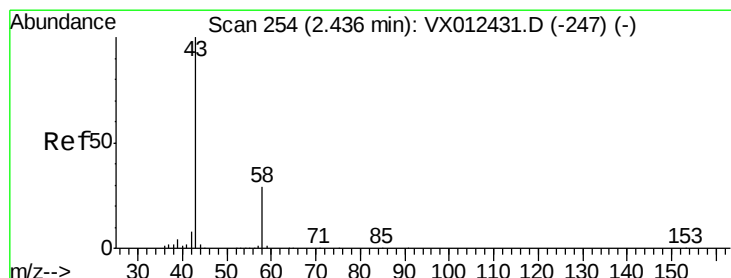
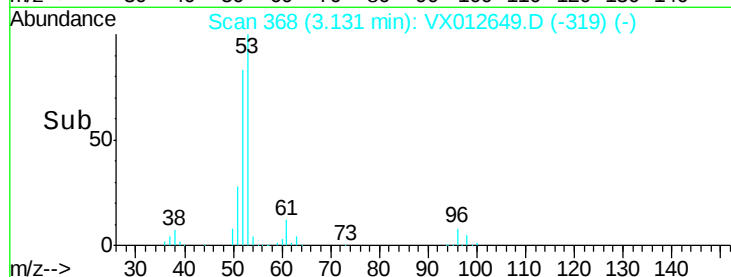
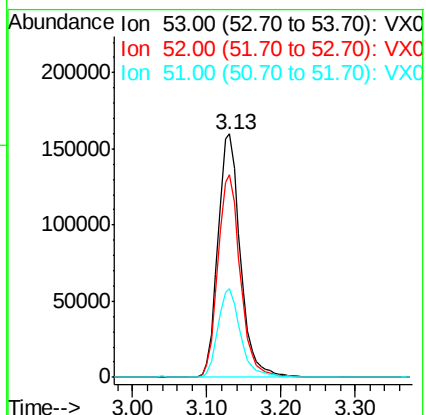
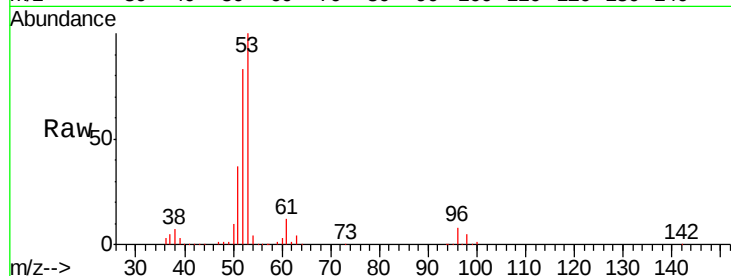
Tgt Ion: 53 Resp: 333864

Ion Ratio Lower Upper

53 100

52 82.8 67.0 100.4

51 36.7 29.6 44.4



#16

Acetone

Concen: 269.481 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012649.D

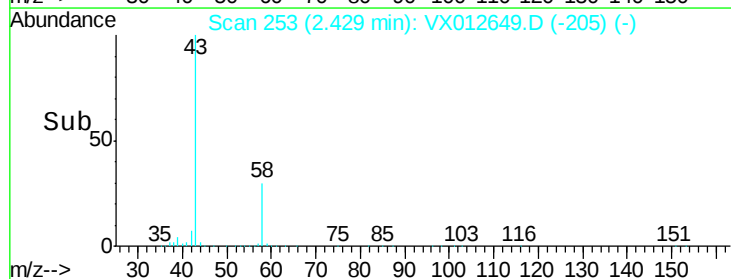
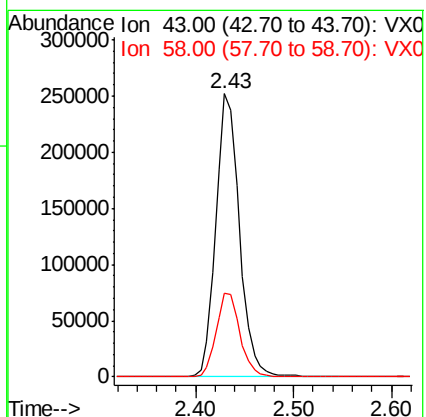
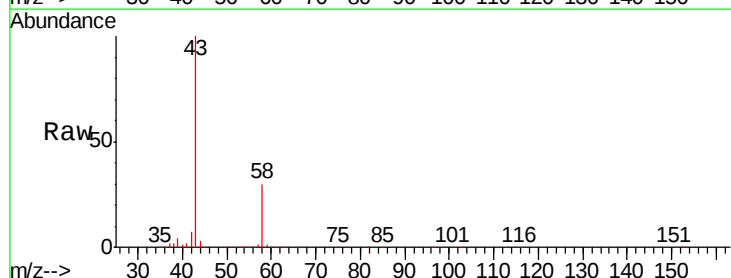
Acq: 25 Sep 2019 10:09

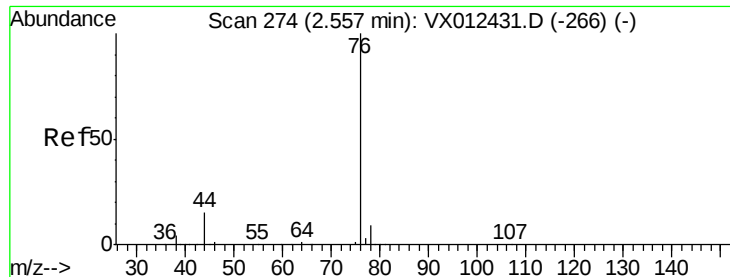
Tgt Ion: 43 Resp: 419841

Ion Ratio Lower Upper

43 100

58 29.5 23.3 34.9





#17

Carbon Disulfide

Concen: 44.671 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

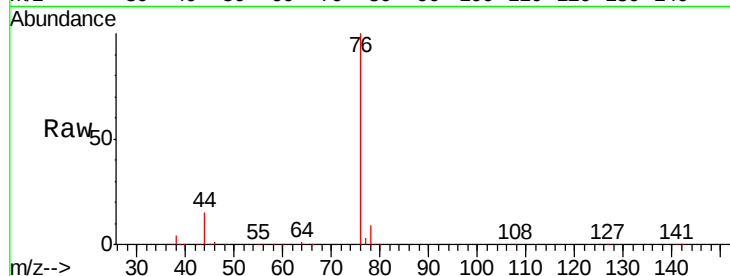
VSTDCCC050

Tgt Ion: 76 Resp: 271970

Ion Ratio Lower Upper

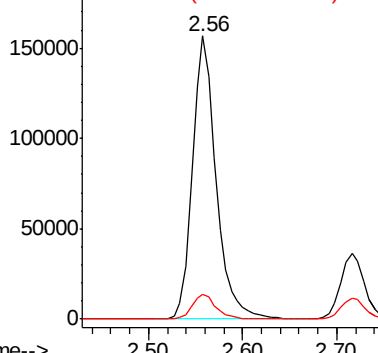
76 100

78 8.9 7.3 10.9

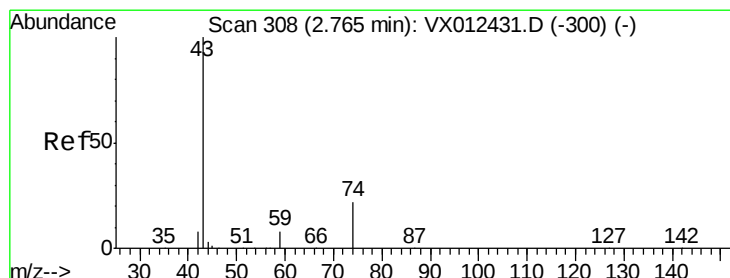
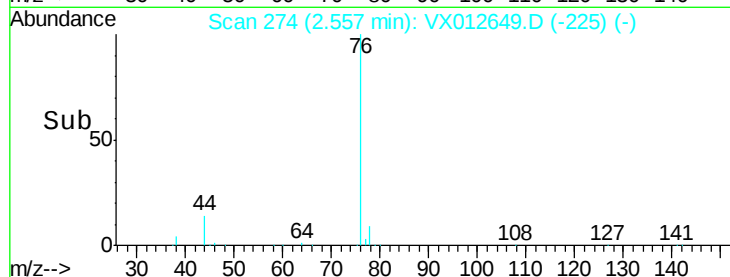


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 44.467 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012649.D

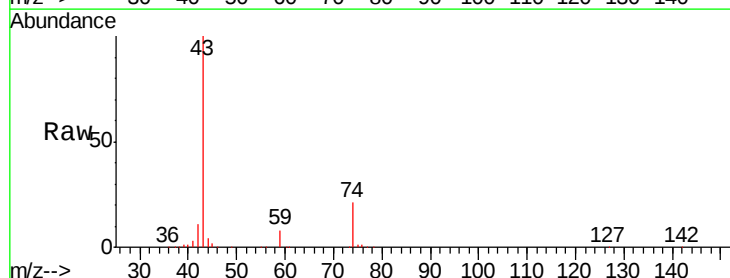
Acq: 25 Sep 2019 10:09

Tgt Ion: 43 Resp: 163126

Ion Ratio Lower Upper

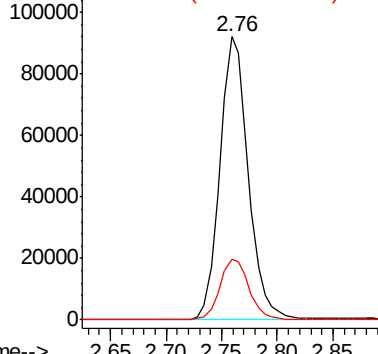
43 100

74 22.7 17.7 26.5

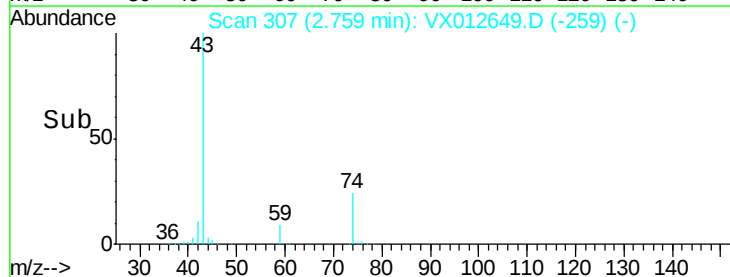


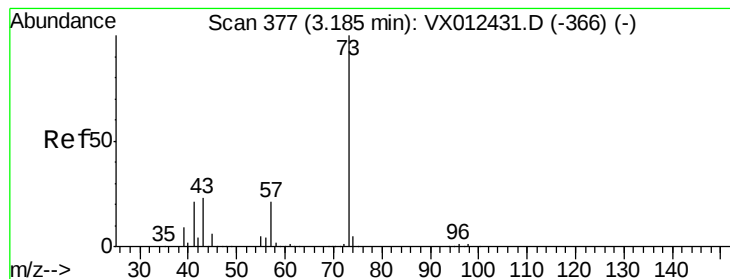
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





#19

Methyl tert-butyl Ether

Concen: 47.557 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

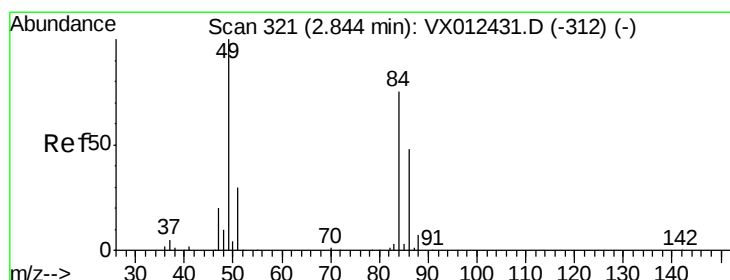
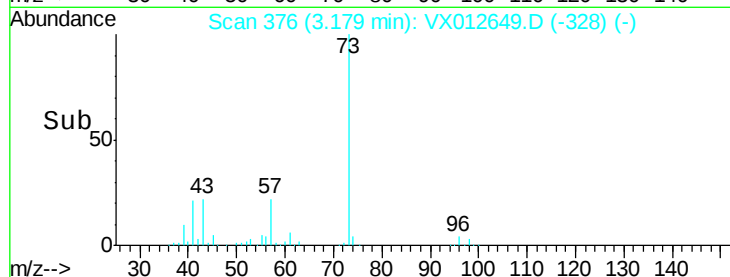
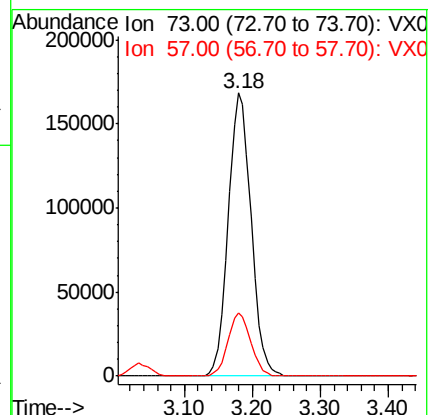
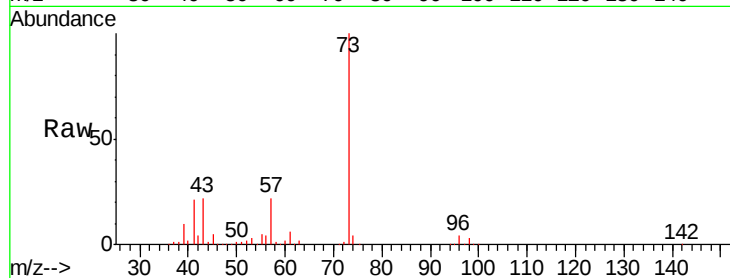
VSTDCCC050

Tgt Ion: 73 Resp: 390926

Ion Ratio Lower Upper

73 100

57 22.3 16.8 25.2



#20

Methylene Chloride

Concen: 45.690 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Tgt Ion: 84 Resp: 120398

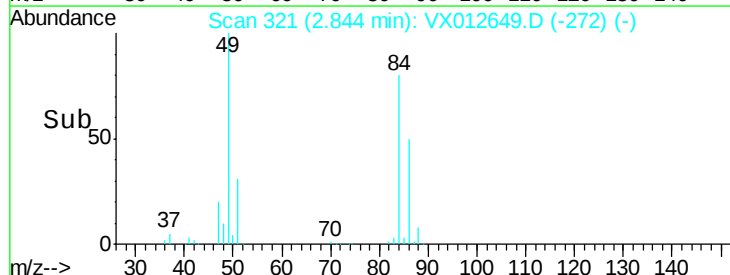
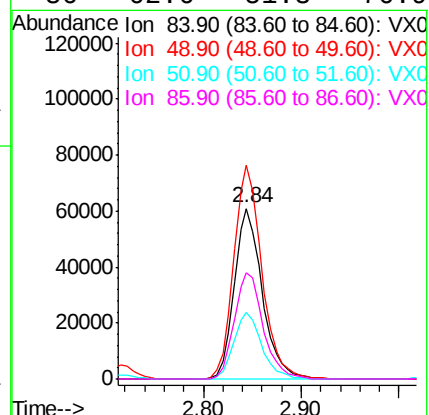
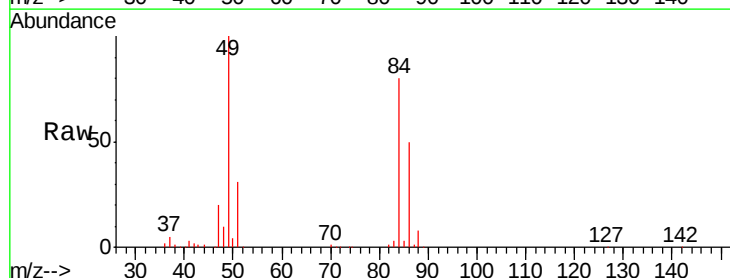
Ion Ratio Lower Upper

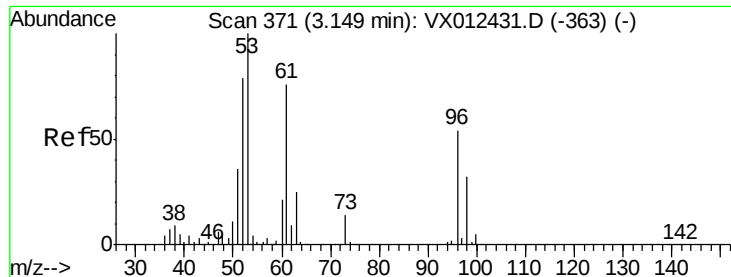
84 100

49 125.2 106.8 160.2

51 39.1 32.3 48.5

86 62.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 46.177 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

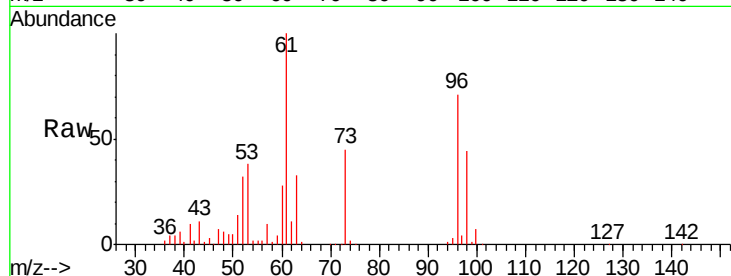
Tgt Ion: 96 Resp: 111100

Ion Ratio Lower Upper

96 100

61 140.4 112.0 168.0

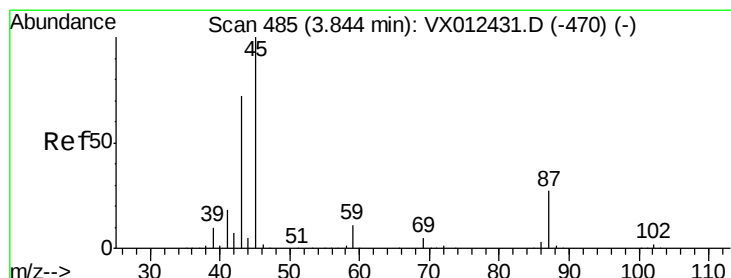
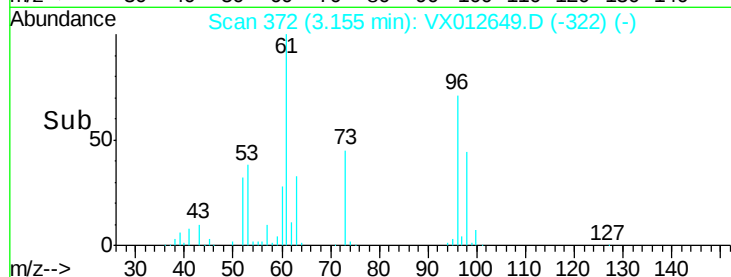
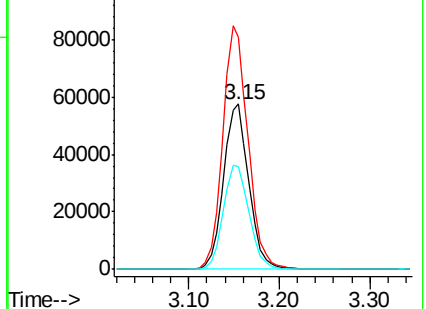
98 62.0 47.8 71.8



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: 47.613 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Tgt Ion: 45 Resp: 396407

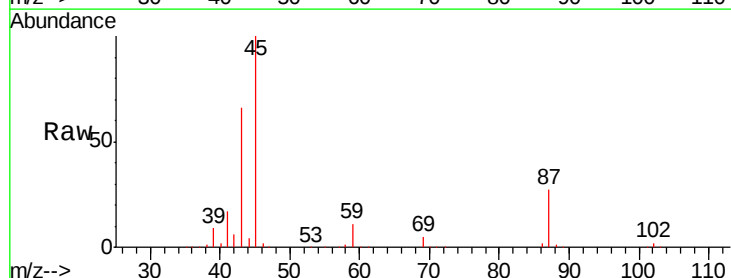
Ion Ratio Lower Upper

45 100

43 66.2 57.8 86.8

87 27.5 21.3 31.9

59 11.4 8.5 12.7

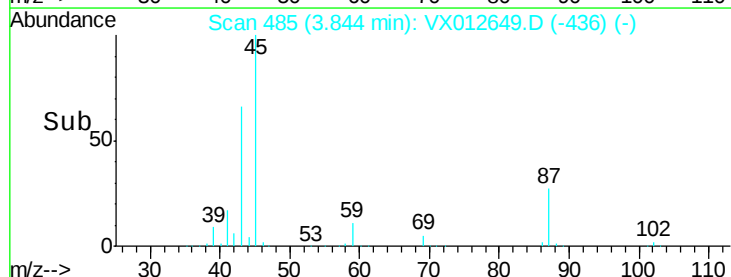
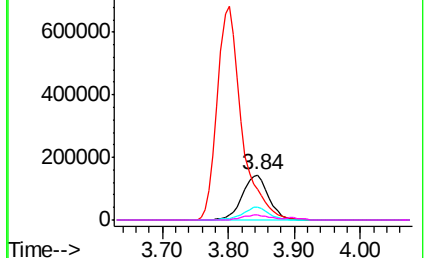


Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 239.381 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

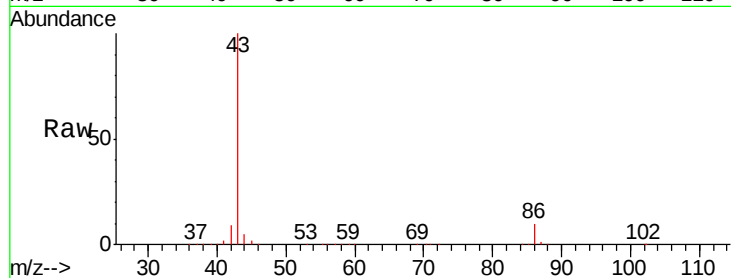
VSTDCCC050

Tgt Ion: 43 Resp: 1747749

Ion Ratio Lower Upper

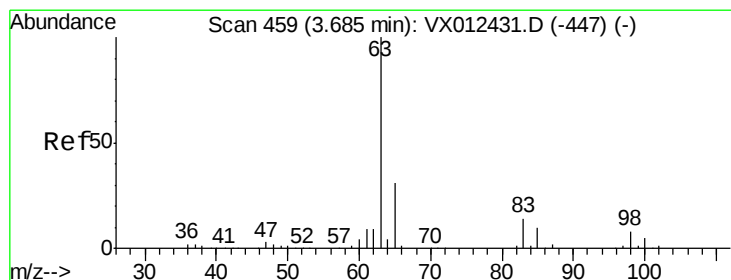
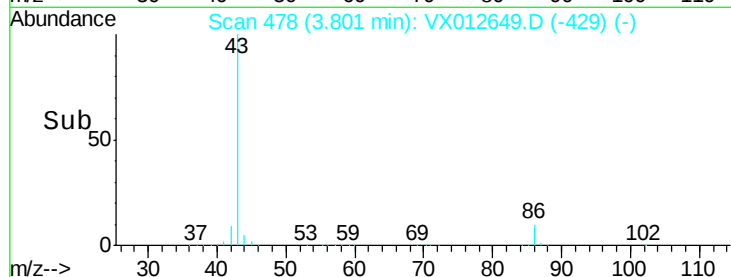
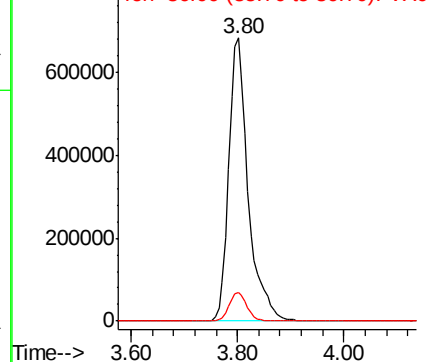
43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.776 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

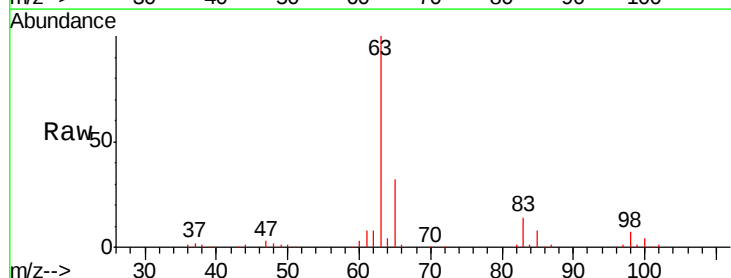
Tgt Ion: 63 Resp: 211690

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

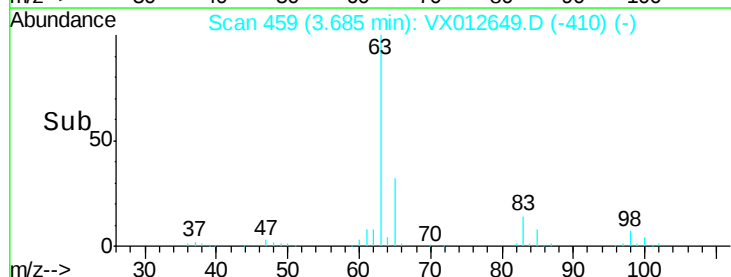
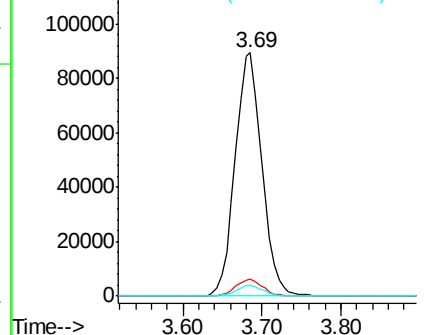
100 4.3 2.3 6.9

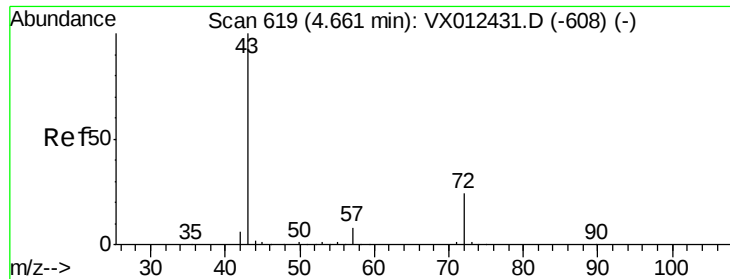


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 241.725 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

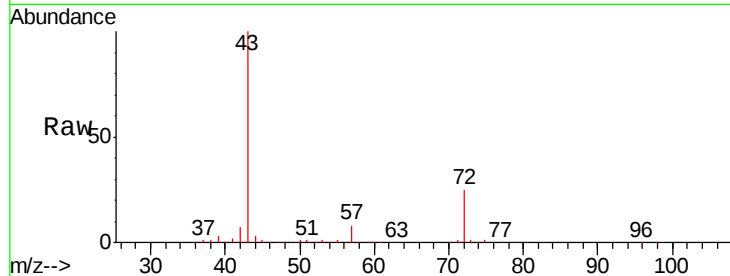
VSTDCCC050

Tgt Ion: 43 Resp: 539987

Ion Ratio Lower Upper

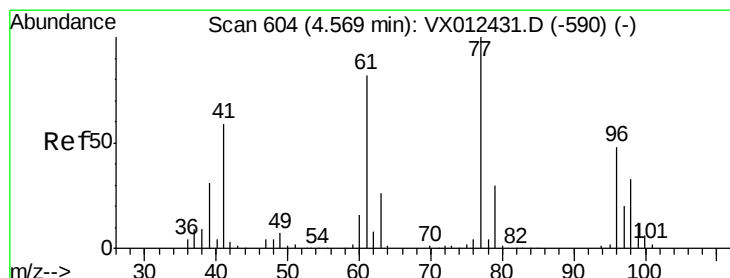
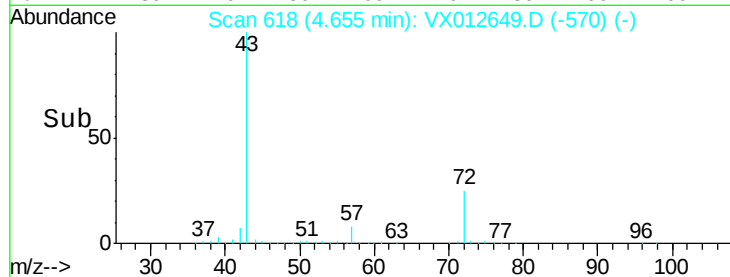
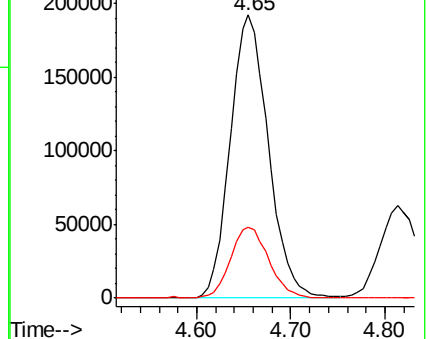
43 100

72 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.733 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012649.D

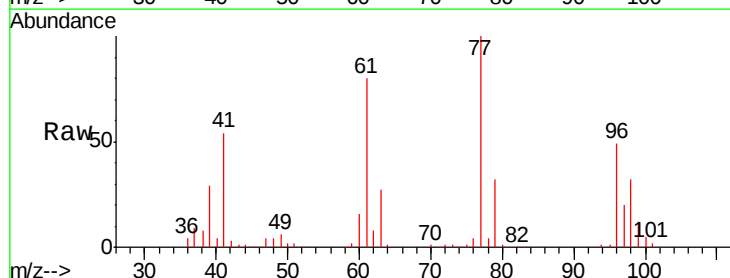
Acq: 25 Sep 2019 10:09

Tgt Ion: 77 Resp: 192128

Ion Ratio Lower Upper

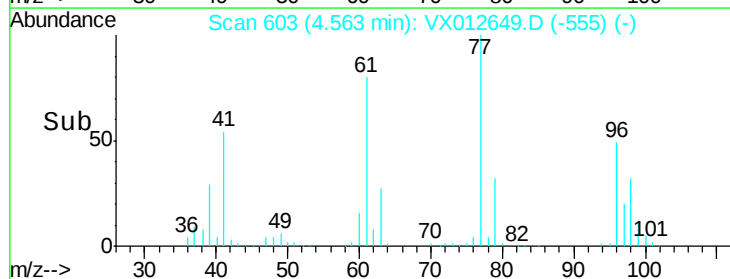
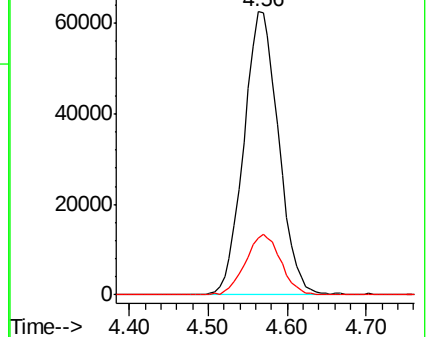
77 100

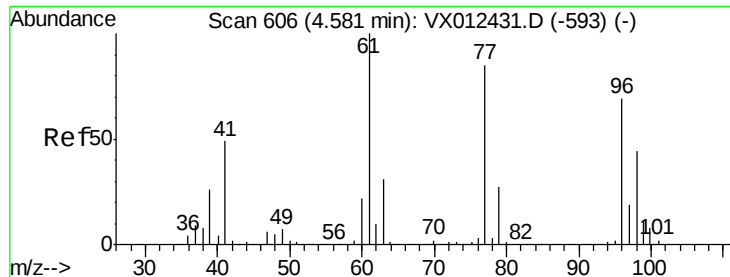
97 21.7 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



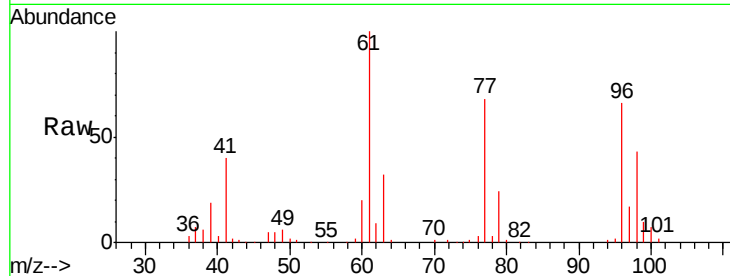


#27

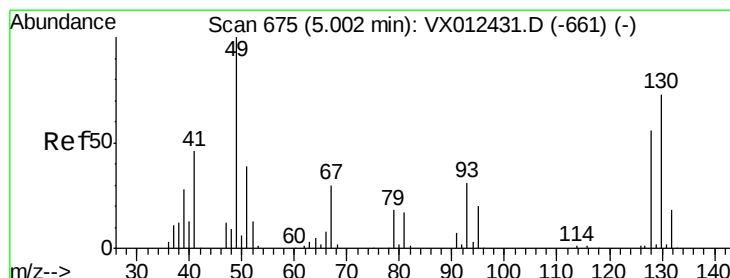
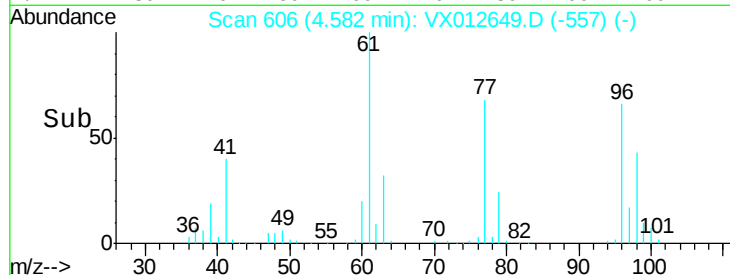
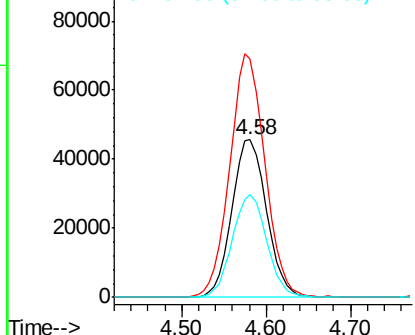
cis-1,2-Dichloroethene
Concen: 45.783 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 127810
Ion Ratio Lower Upper
96 100
61 156.3 0.0 319.4
98 64.5 0.0 130.6



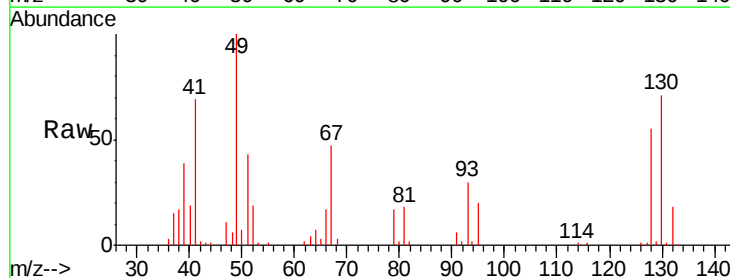
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



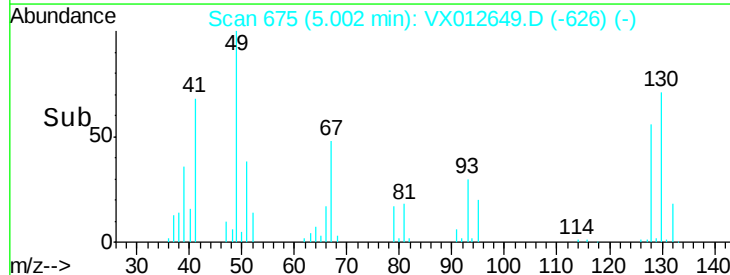
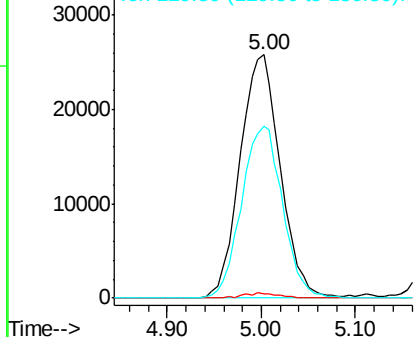
#28

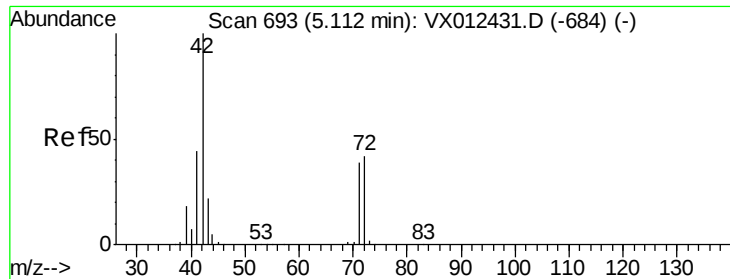
Bromochloromethane
Concen: 46.894 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 49 Resp: 77058
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 72.2 58.2 87.4



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

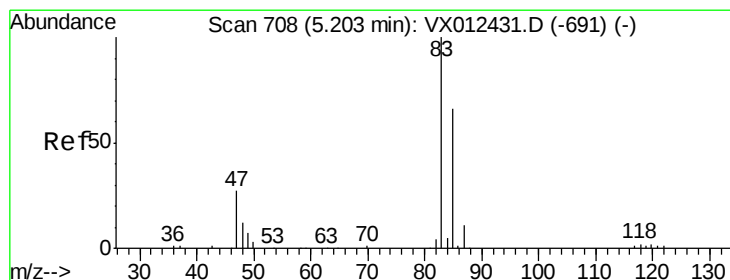
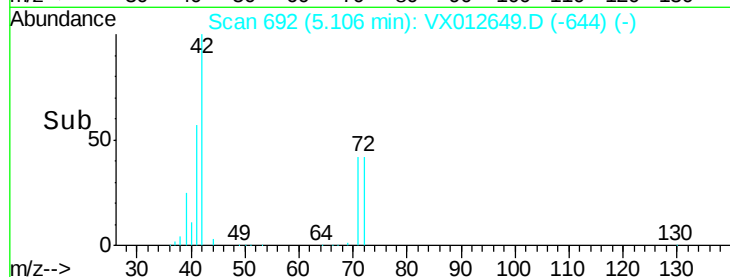
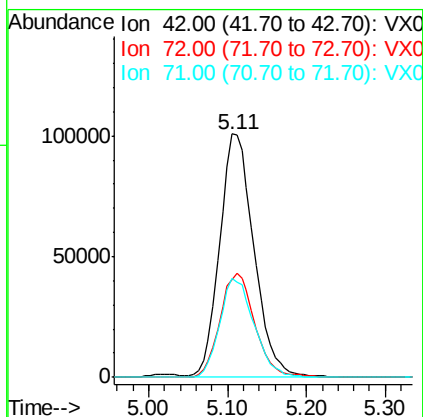
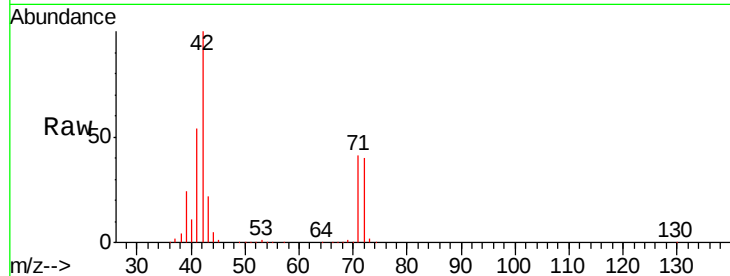




#29
Tetrahydrofuran
Concen: 222.434 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

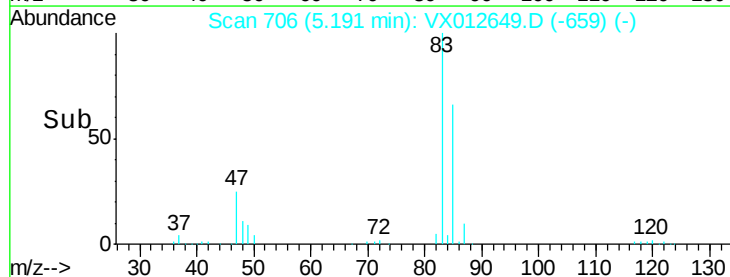
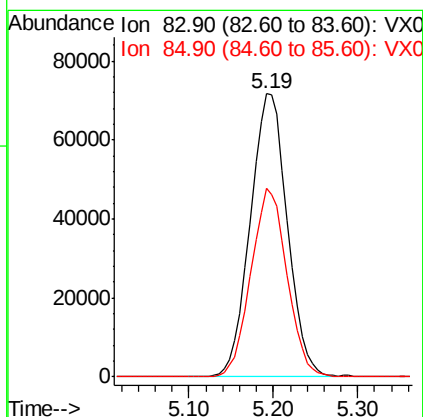
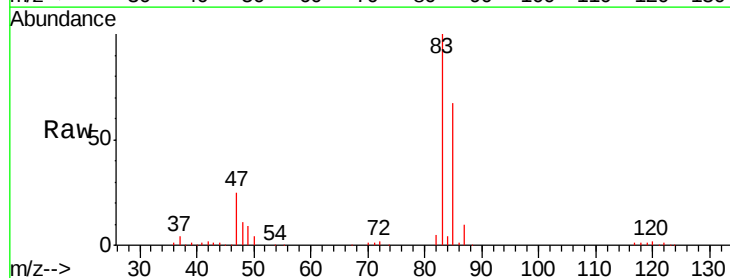
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

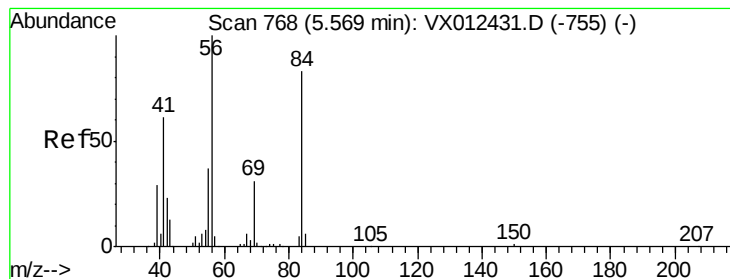
Tgt Ion: 42 Resp: 302858
Ion Ratio Lower Upper
42 100
72 44.0 34.0 51.0
71 41.2 31.5 47.3



#30
Chloroform
Concen: 46.514 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 83 Resp: 215362
Ion Ratio Lower Upper
83 100
85 66.8 53.0 79.4





#31

Cyclohexane

Concen: 47.372 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

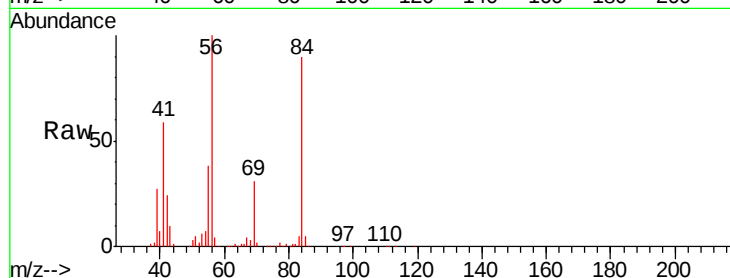
Tgt Ion: 56 Resp: 193947

Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.6

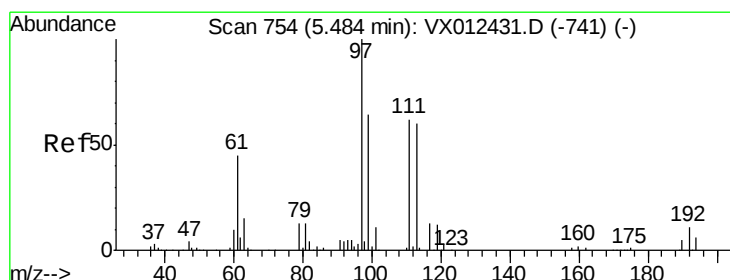
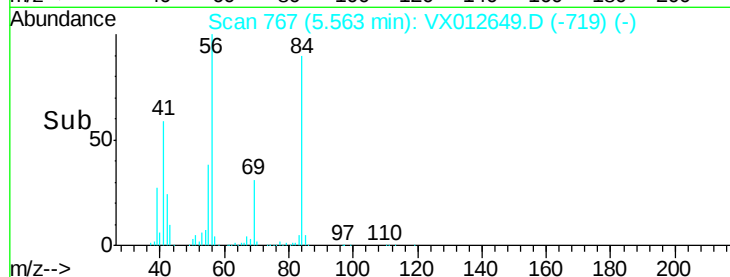
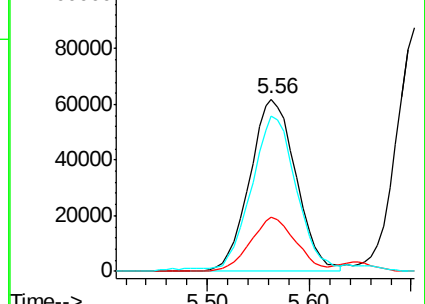
84 88.2 66.4 99.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 46.912 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

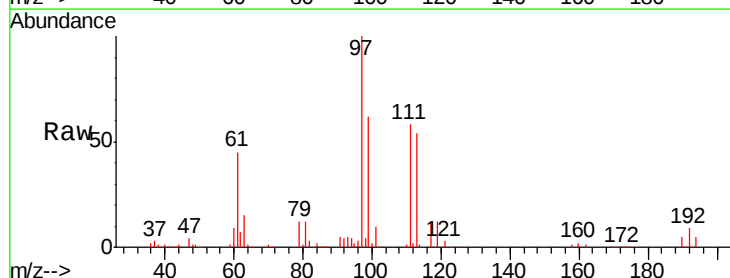
Tgt Ion: 97 Resp: 192501

Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

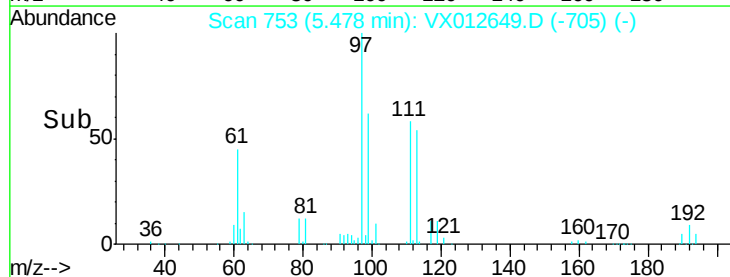
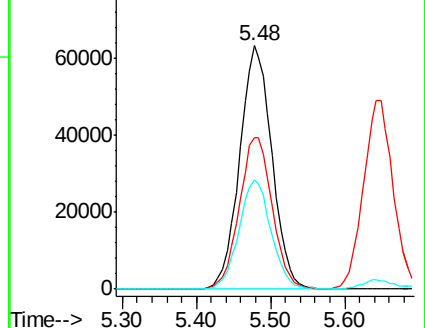
61 44.8 36.1 54.1

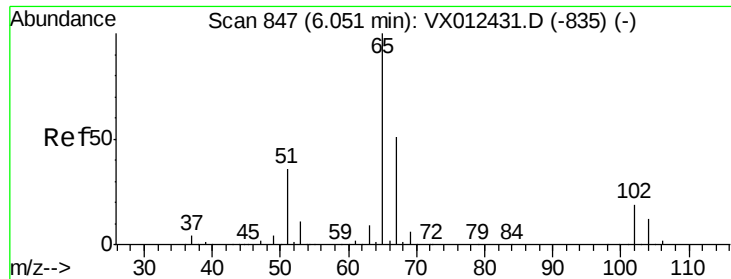


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

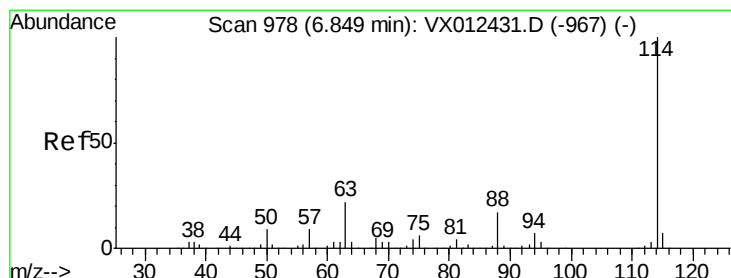
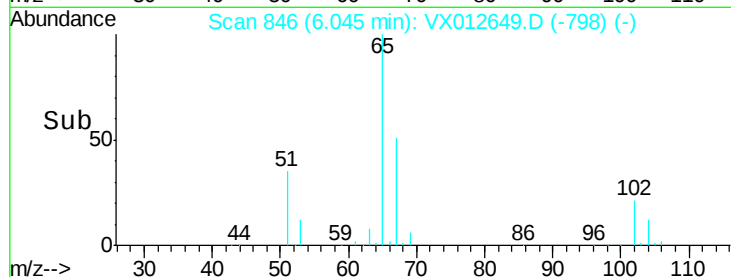
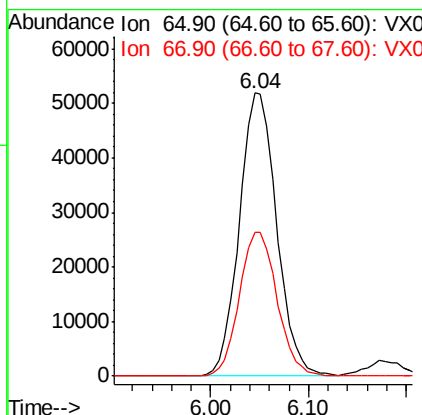
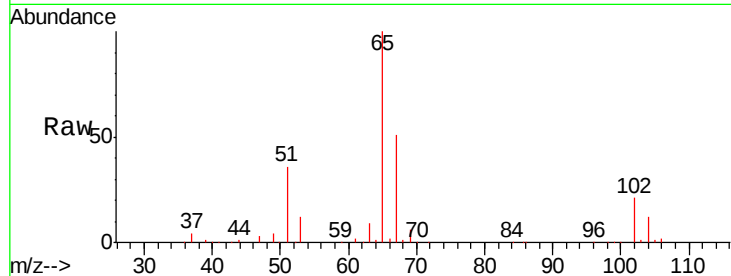




#33
 1,2-Dichloroethane-d4
 Concen: 46.781 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

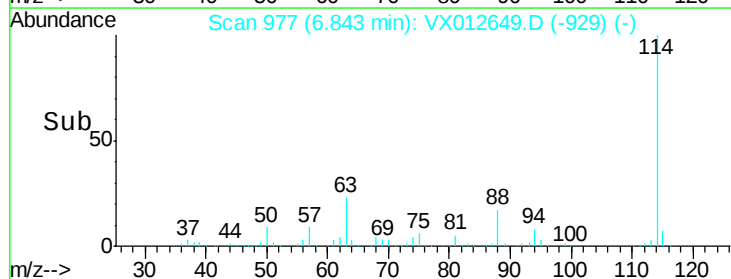
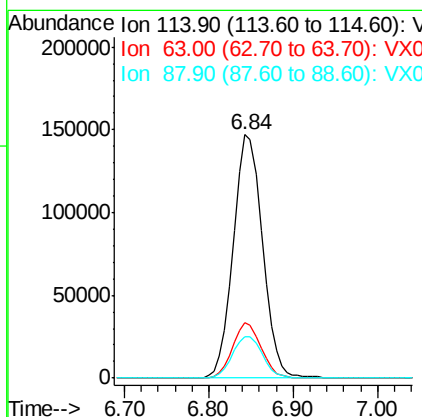
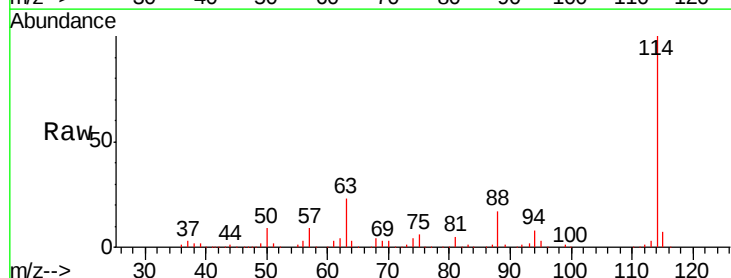
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

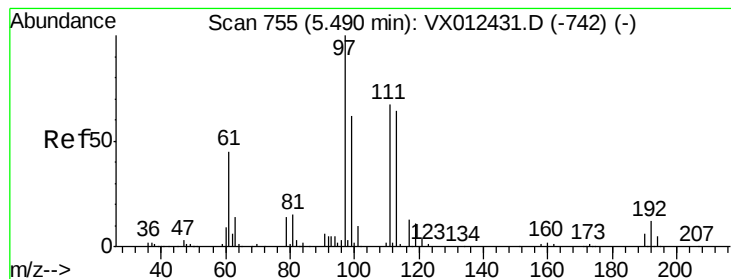
Tgt Ion: 65 Resp: 137597
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion: 114 Resp: 346527
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.2
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.885 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

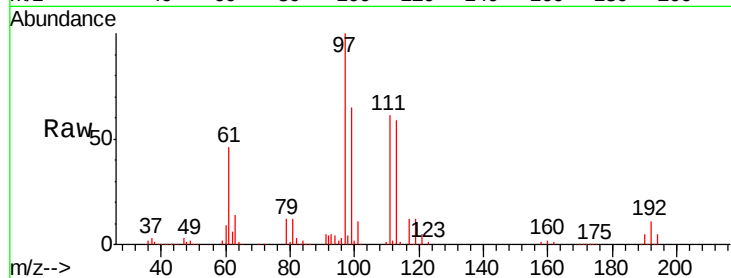
Tgt Ion: 113 Resp: 102949

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

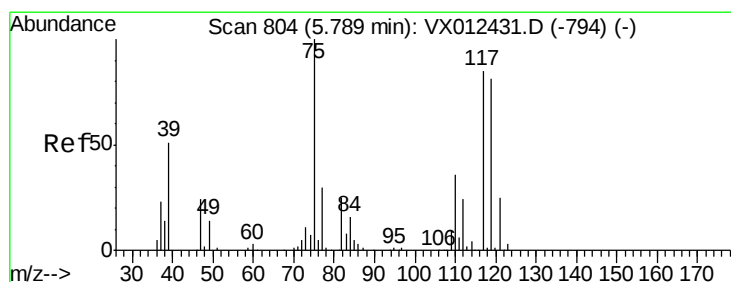
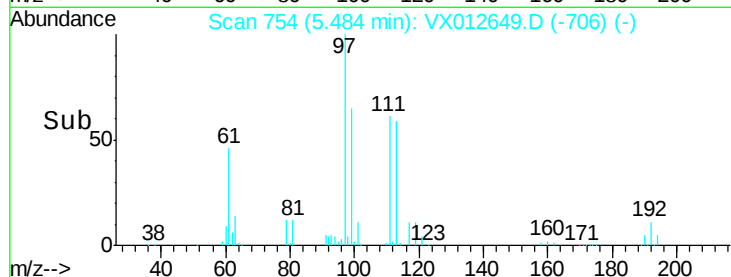
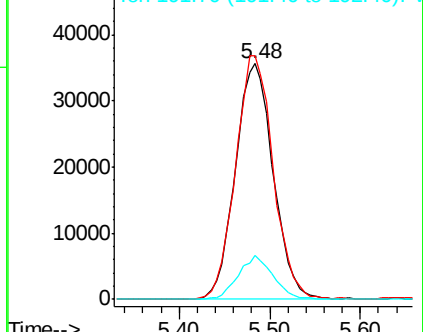
192 17.1 14.4 21.6



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: 48.443 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

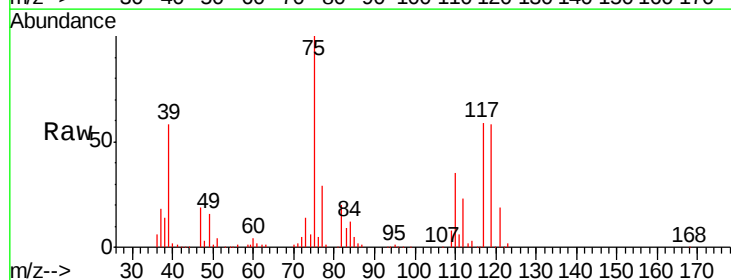
Tgt Ion: 75 Resp: 161806

Ion Ratio Lower Upper

75 100

110 34.1 16.7 50.0

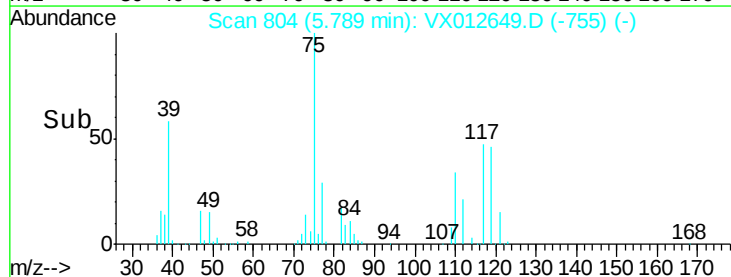
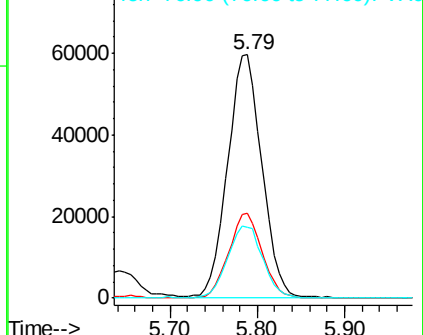
77 30.7 24.2 36.2

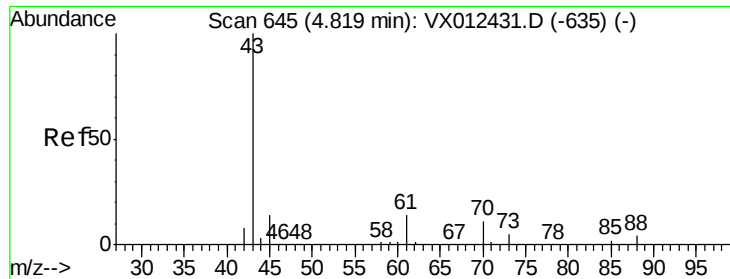


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

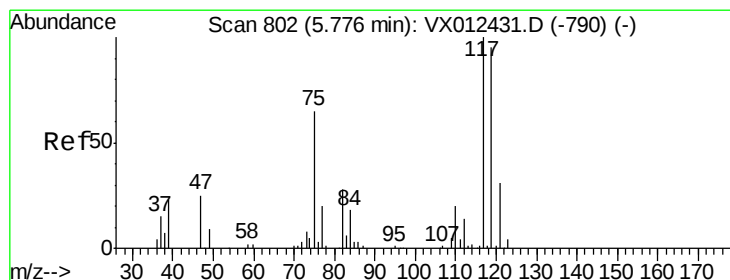
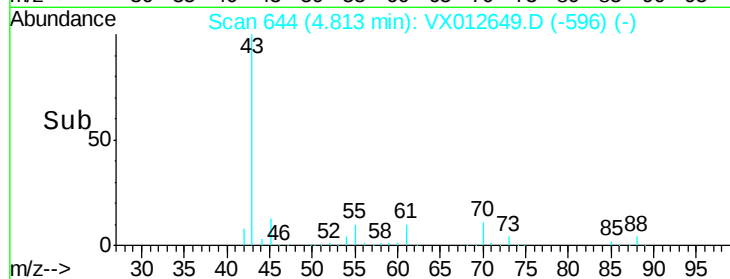
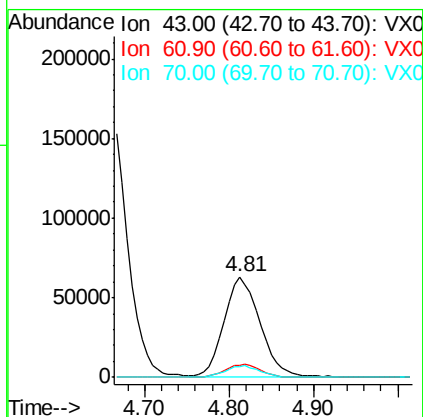
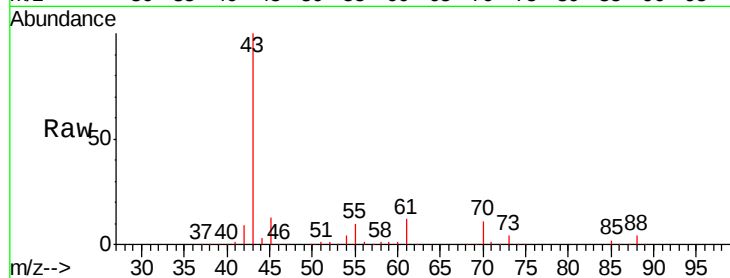




#37
Ethyl Acetate
Concen: 46.746 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

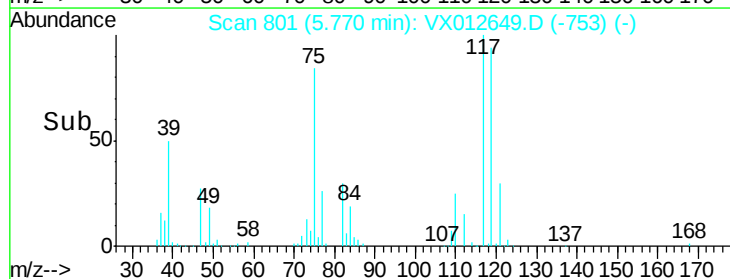
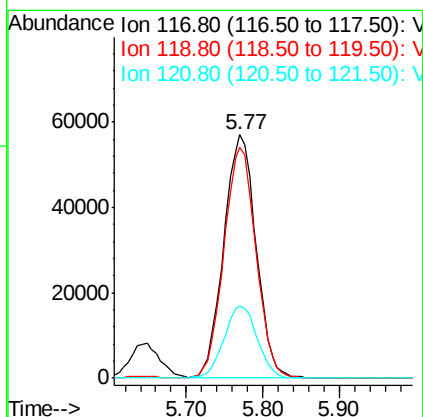
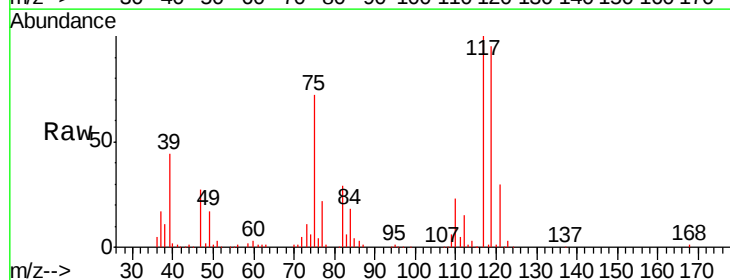
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

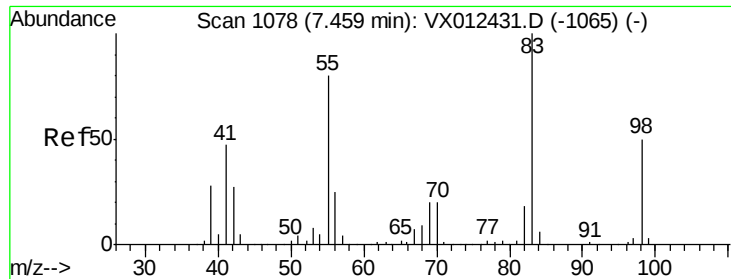
Tgt Ion: 43 Resp: 182540
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.4
70 11.5 8.7 13.1



#38
Carbon Tetrachloride
Concen: 49.133 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 117 Resp: 166709
Ion Ratio Lower Upper
117 100
119 94.5 75.7 113.5
121 29.6 24.2 36.4

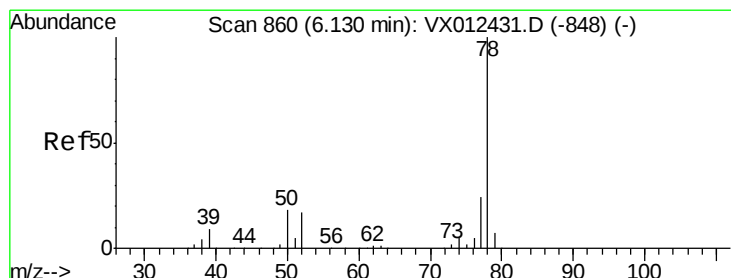
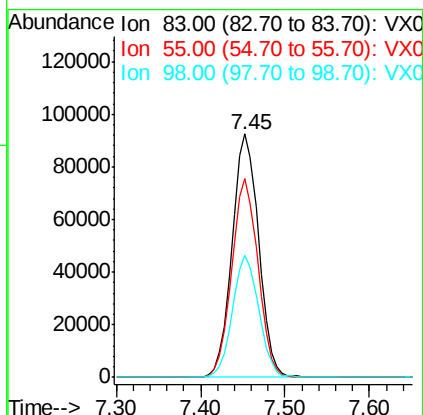
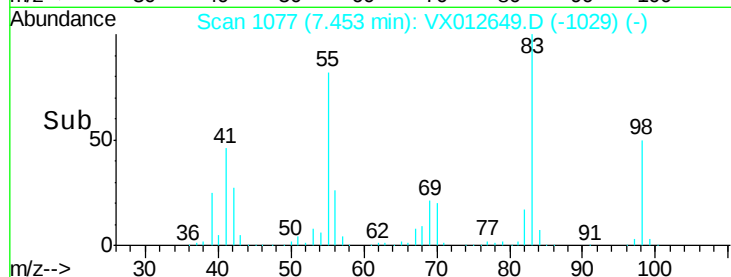
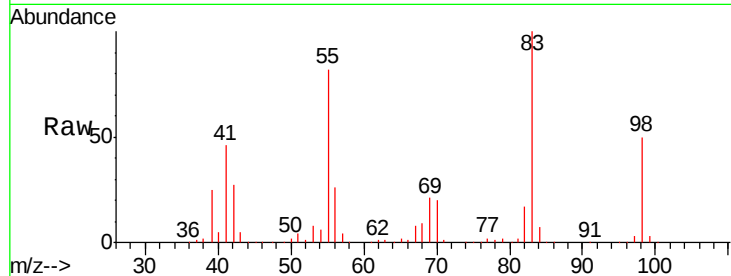




#39
Methylcyclohexane
Concen: 48.944 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

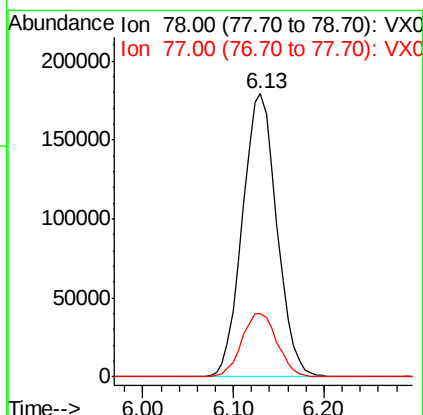
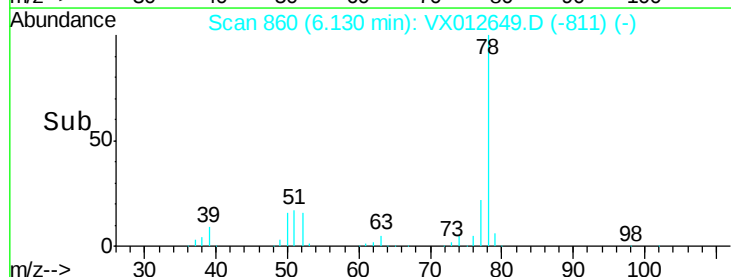
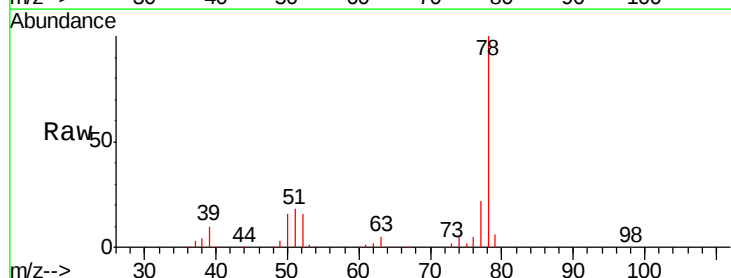
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

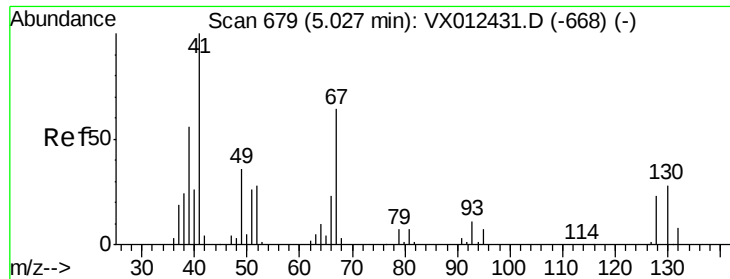
Tgt Ion: 83 Resp: 196808
Ion Ratio Lower Upper
83 100
55 81.8 64.4 96.6
98 50.3 40.1 60.1



#40
Benzene
Concen: 48.055 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 78 Resp: 472274
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8

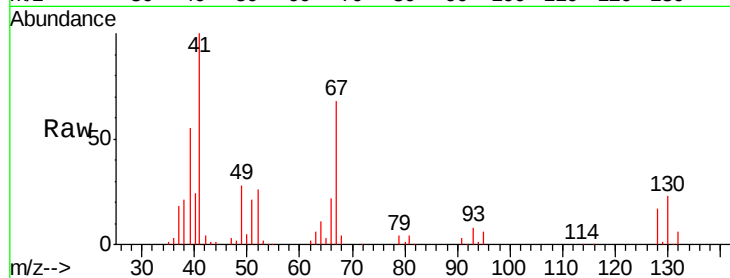




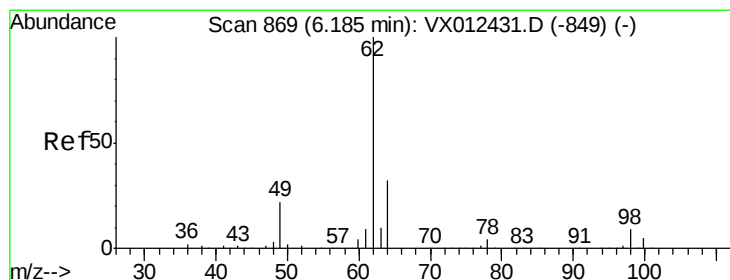
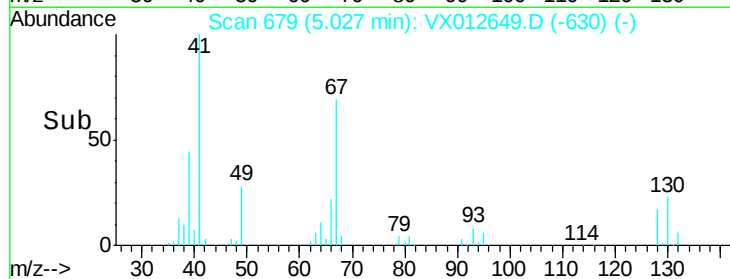
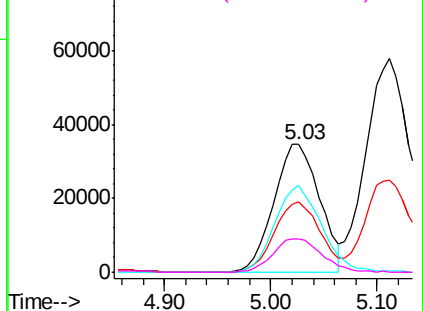
#41
Methacrylonitrile
Concen: 47.006 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	102988
Ion	Ratio	Lower	Upper
41	100		
39	54.3	46.0	69.0
67	69.0	52.2	78.2
52	28.2	22.7	34.1

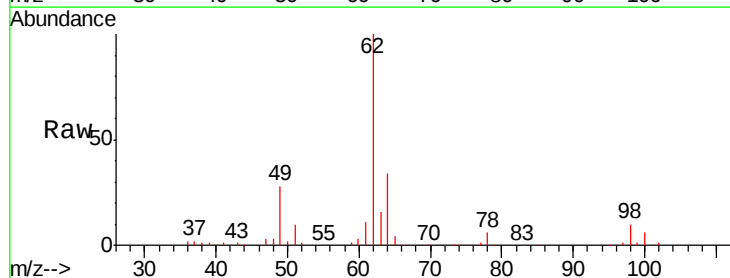


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

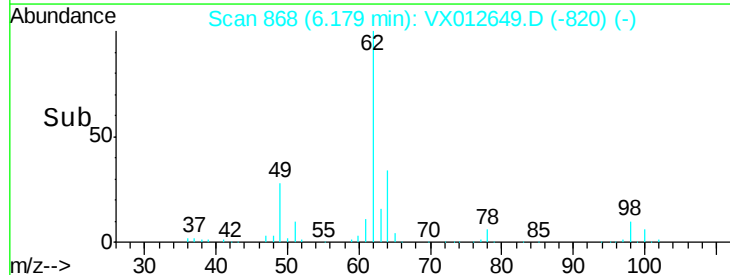
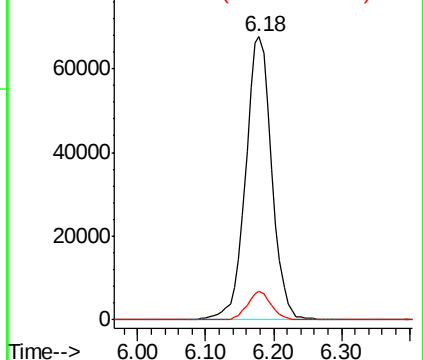


#42
1,2-Dichloroethane
Concen: 48.340 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion:	62	Resp:	180402
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.959 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

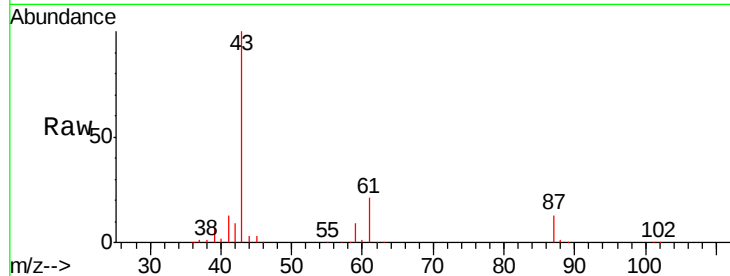
Tgt Ion: 43 Resp: 306660

Ion Ratio Lower Upper

43 100

61 19.8 15.4 23.0

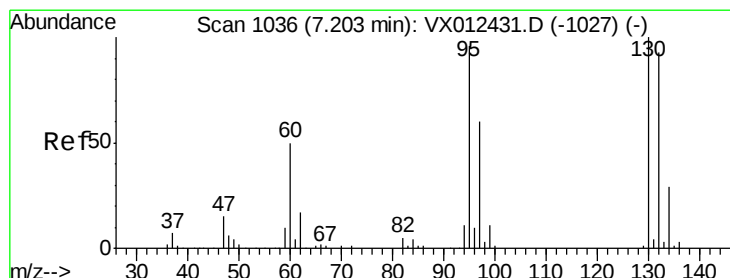
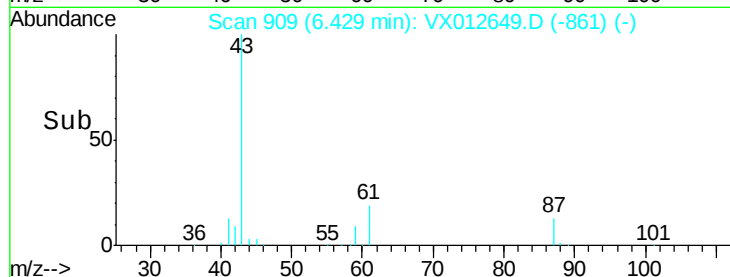
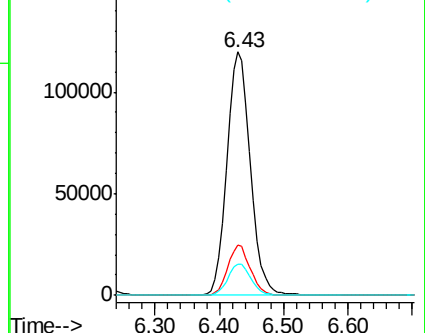
87 12.9 9.8 14.8



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: 47.191 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012649.D

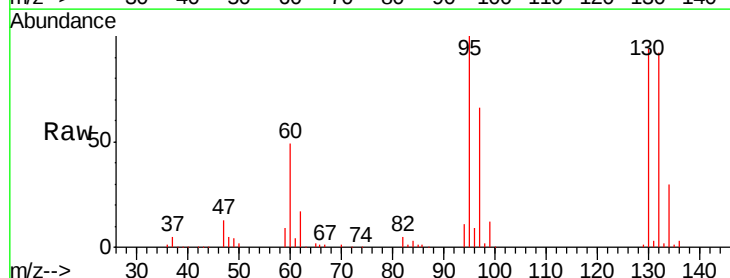
Acq: 25 Sep 2019 10:09

Tgt Ion: 130 Resp: 118563

Ion Ratio Lower Upper

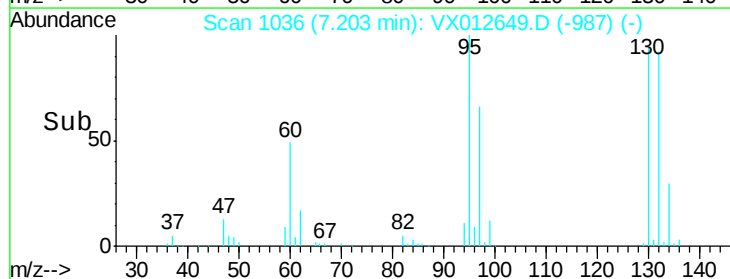
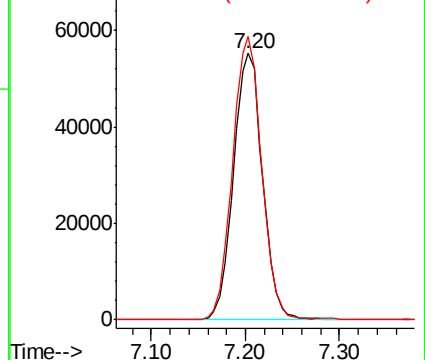
130 100

95 106.2 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.890 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

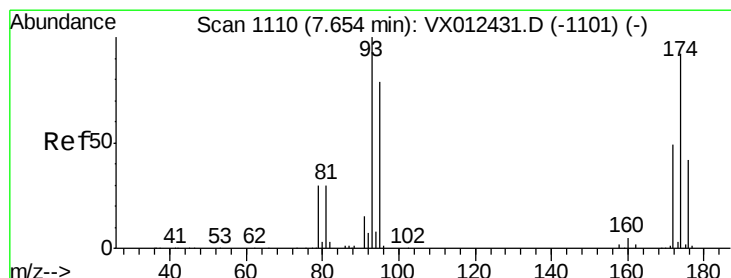
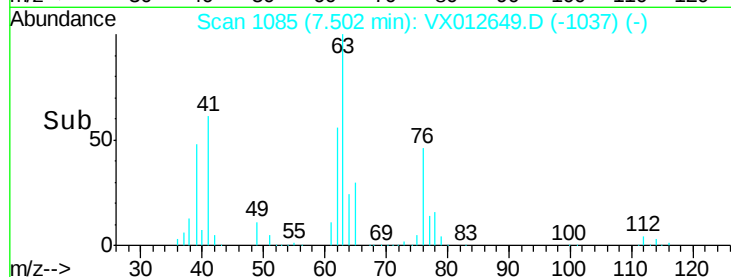
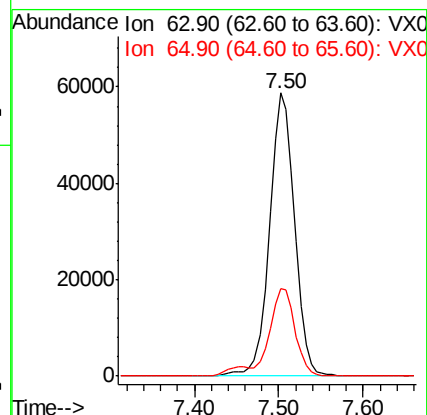
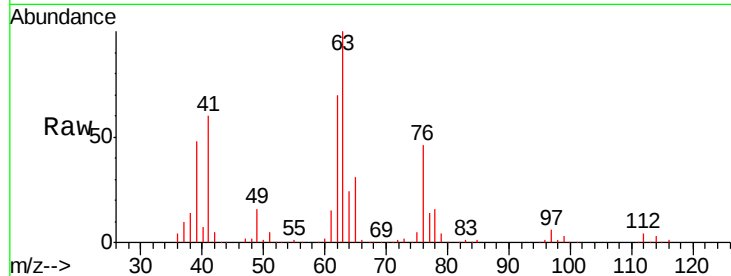
VSTDCCC050

Tgt Ion: 63 Resp: 120497

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



#46

Dibromomethane

Concen: 47.152 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

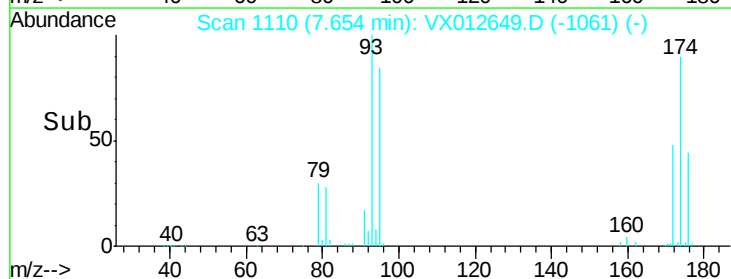
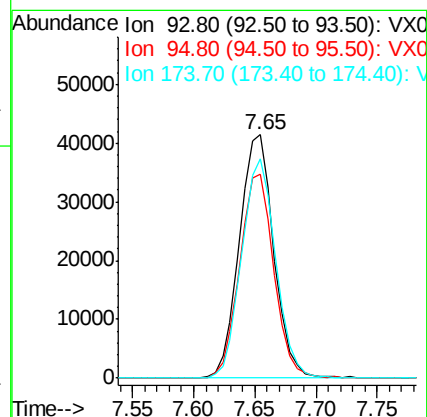
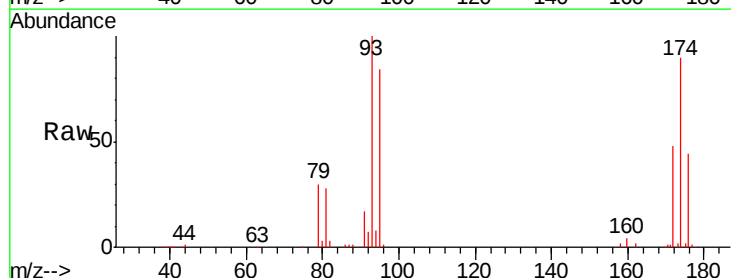
Tgt Ion: 93 Resp: 80777

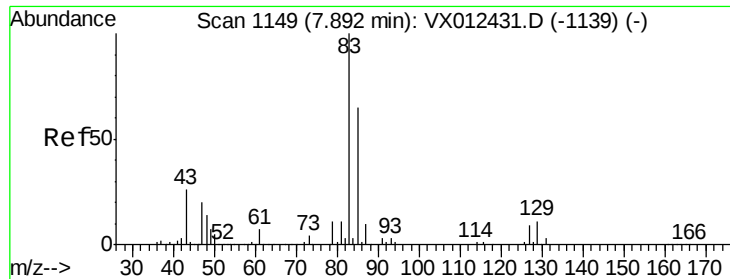
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 89.6 77.4 116.0





#47

Bromodichloromethane

Concen: 48.982 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

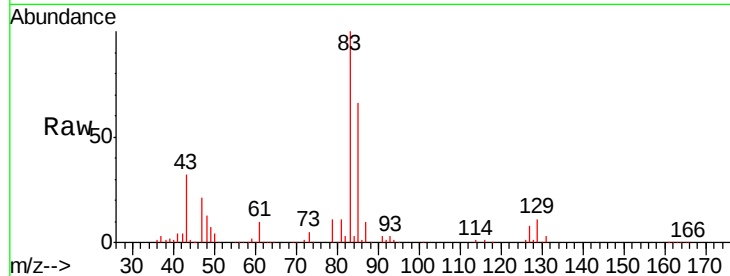
Tgt Ion: 83 Resp: 167708

Ion Ratio Lower Upper

83 100

85 66.0 51.8 77.6

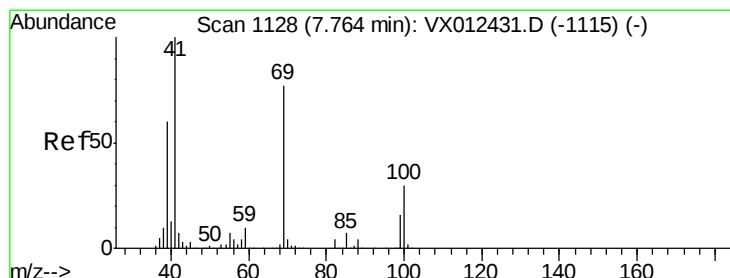
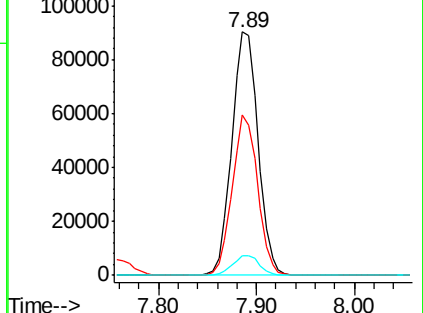
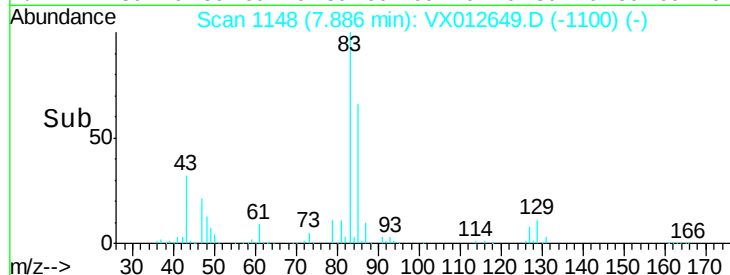
127 8.2 7.3 10.9



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: 47.765 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

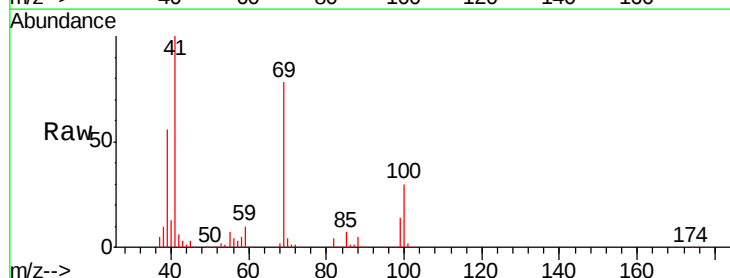
Tgt Ion: 41 Resp: 149567

Ion Ratio Lower Upper

41 100

69 79.9 59.9 89.9

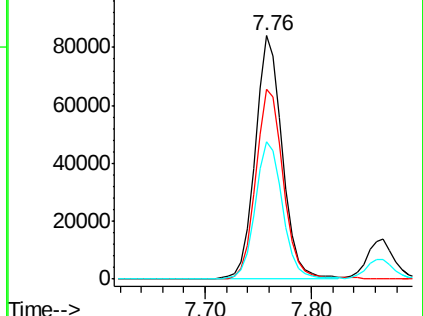
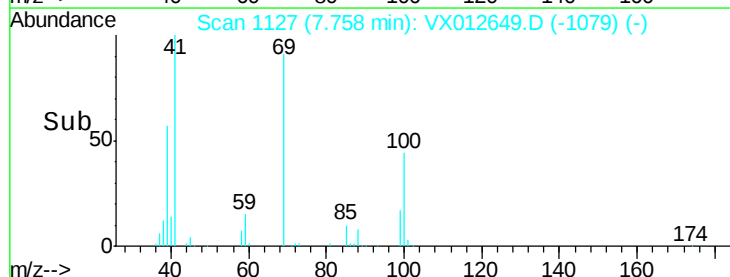
39 56.9 47.8 71.6

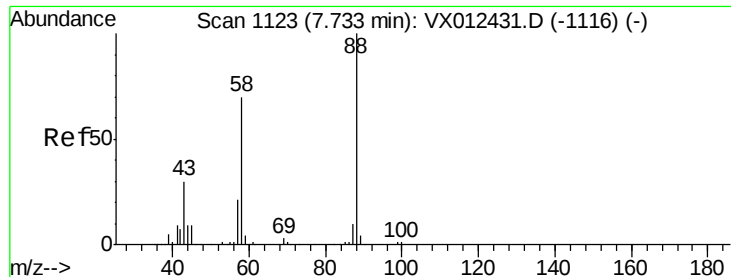


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

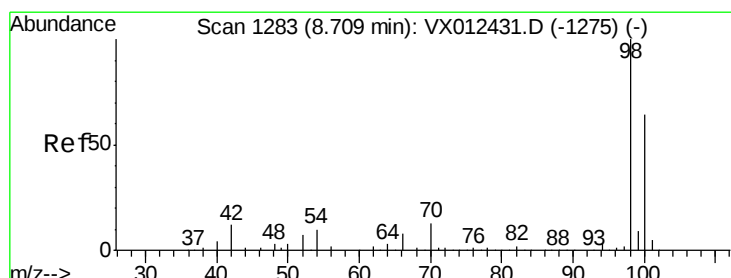
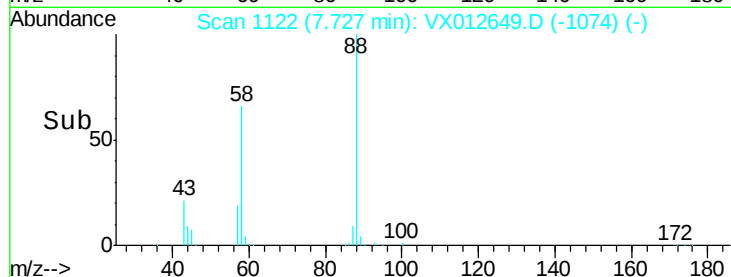
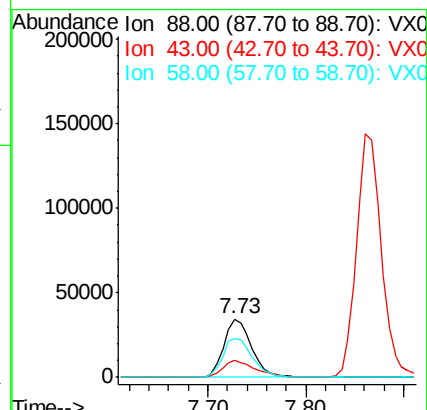
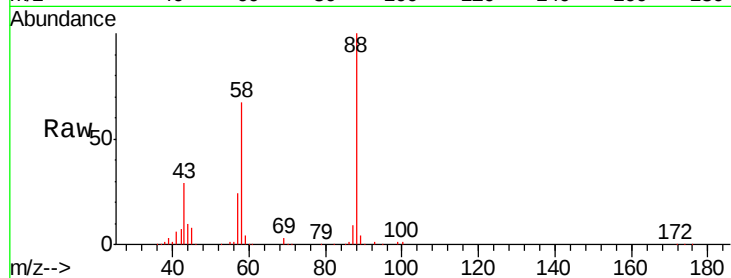




#49
1,4-Dioxane
Concen: 960.735 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

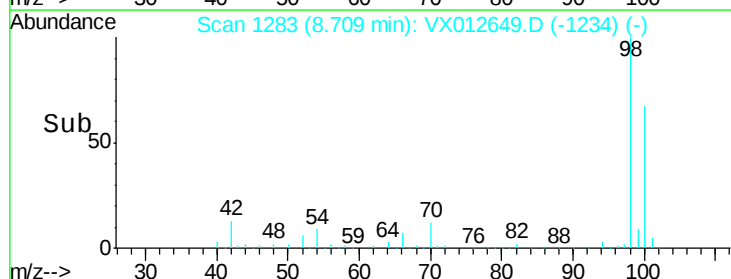
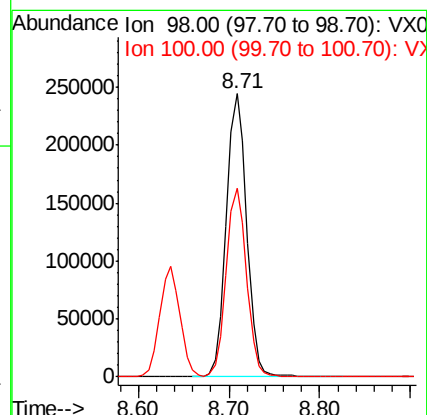
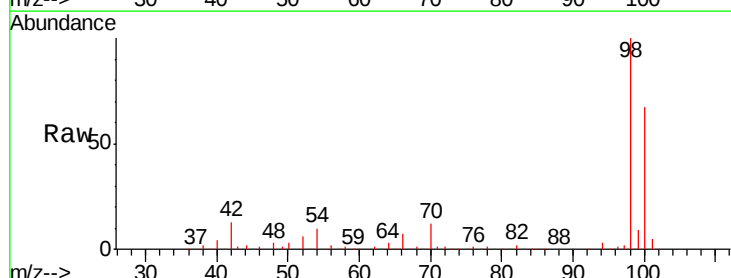
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

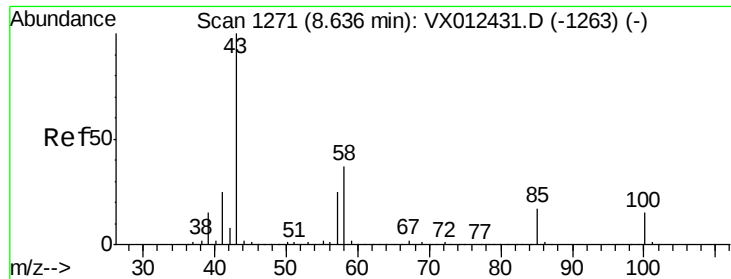
Tgt Ion: 88 Resp: 68234
Ion Ratio Lower Upper
88 100
43 33.8 29.4 44.0
58 71.8 57.5 86.3



#50
Toluene-d8
Concen: 48.492 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 98 Resp: 385389
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 232.587 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

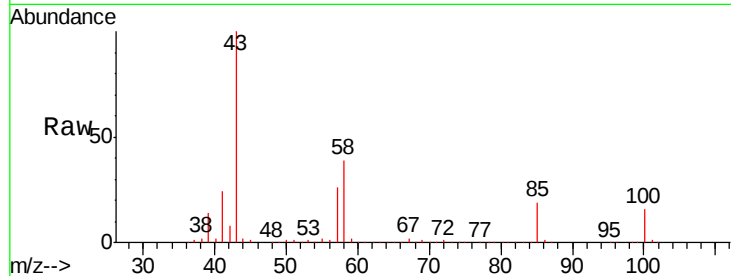
VSTDCCC050

Tgt Ion: 43 Resp: 937577

Ion Ratio Lower Upper

43 100

58 38.8 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

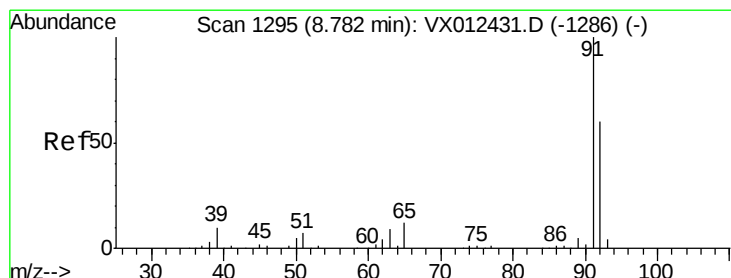
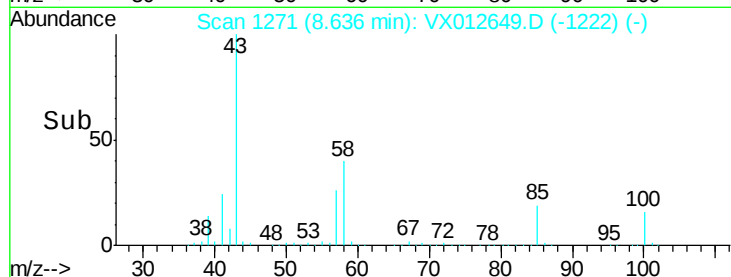
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.150 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012649.D

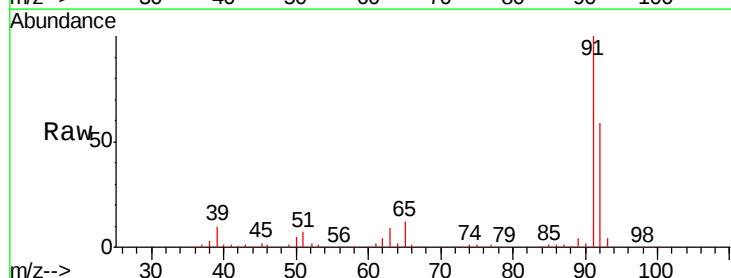
Acq: 25 Sep 2019 10:09

Tgt Ion: 92 Resp: 303590

Ion Ratio Lower Upper

92 100

91 165.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

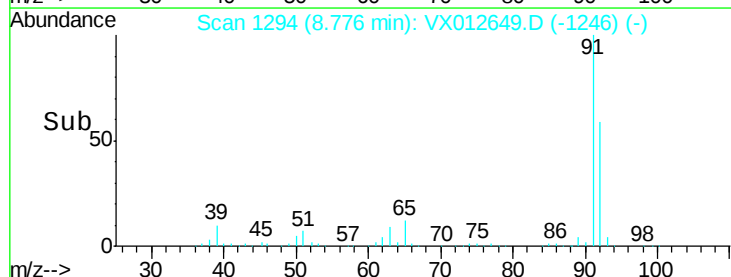
300000

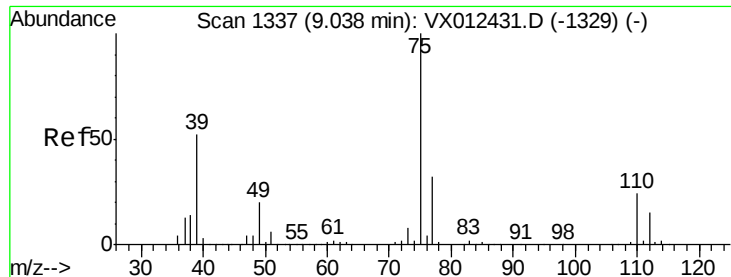
200000

100000

0

Time-->

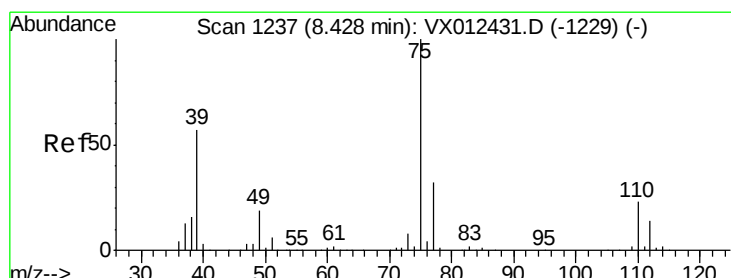
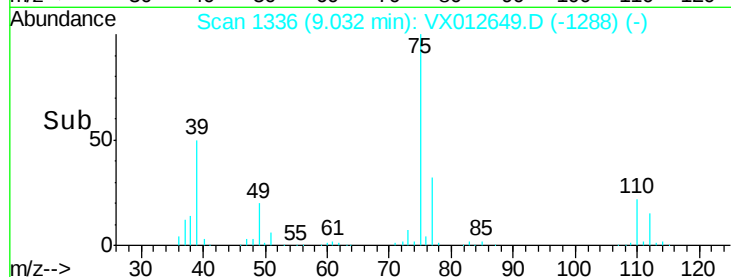
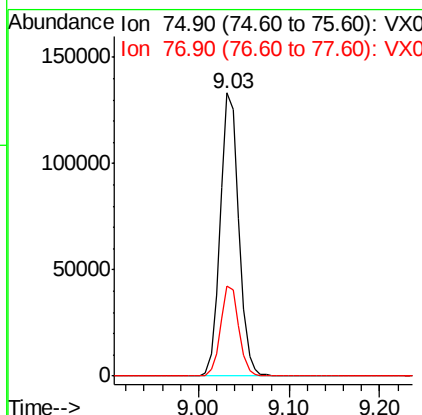
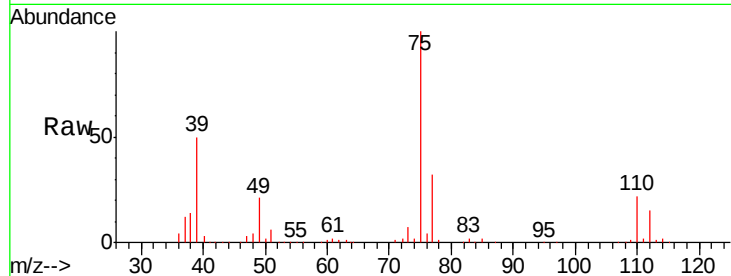




#53
t-1,3-Dichloropropene
Concen: 50.329 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

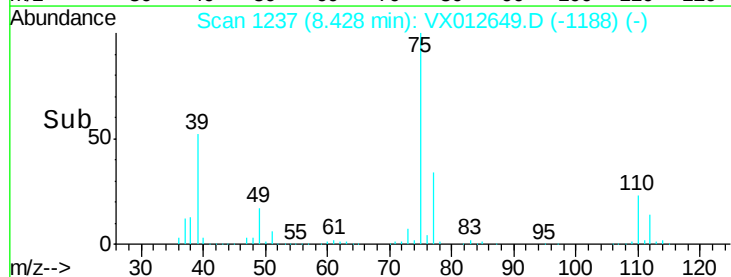
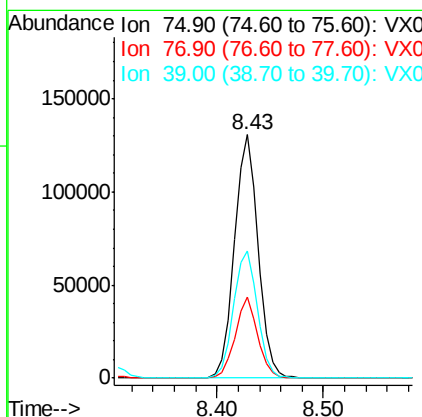
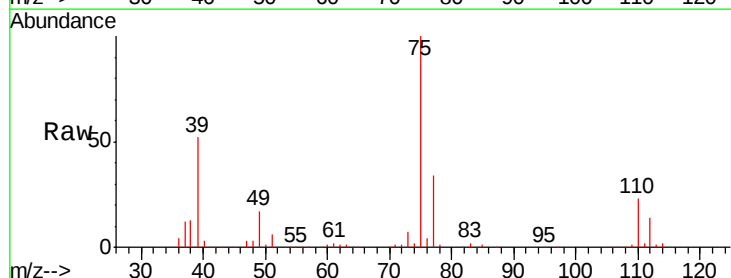
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

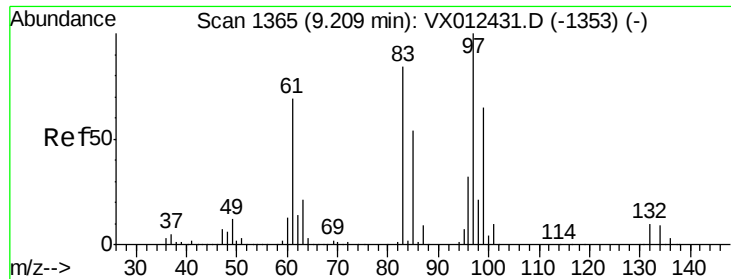
Tgt Ion: 75 Resp: 190655
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 49.440 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 75 Resp: 204487
Ion Ratio Lower Upper
75 100
77 33.5 25.8 38.8
39 52.2 45.5 68.3

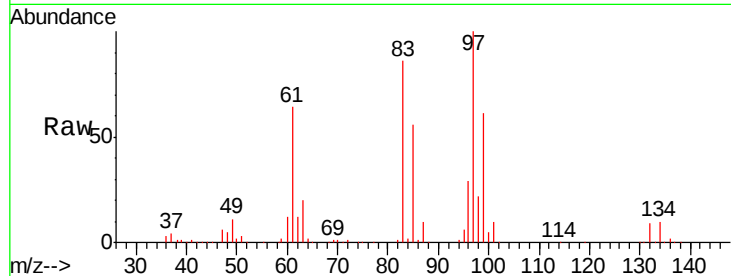




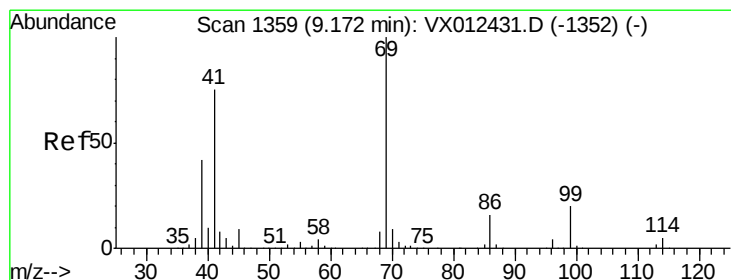
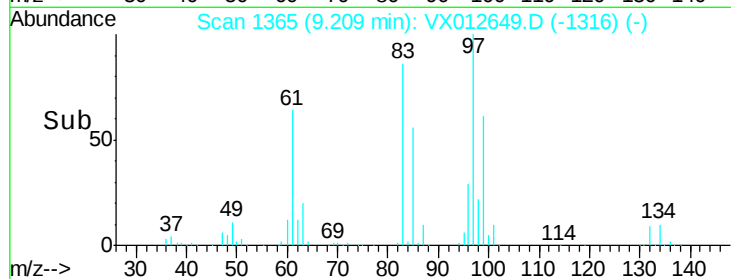
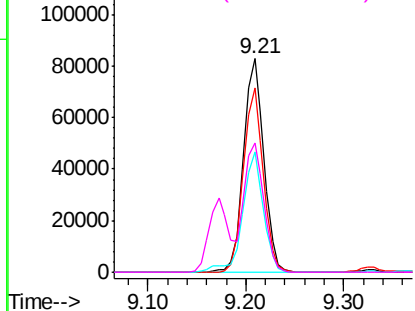
#55
 1,1,2-Trichloroethane
 Concen: 48.536 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	119191
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.4	101.2
85	56.1	43.5	65.3
99	60.8	51.8	77.8

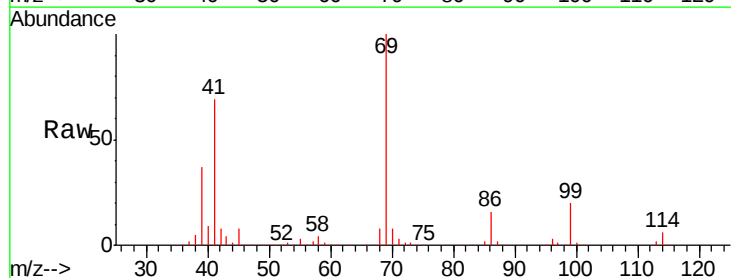


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

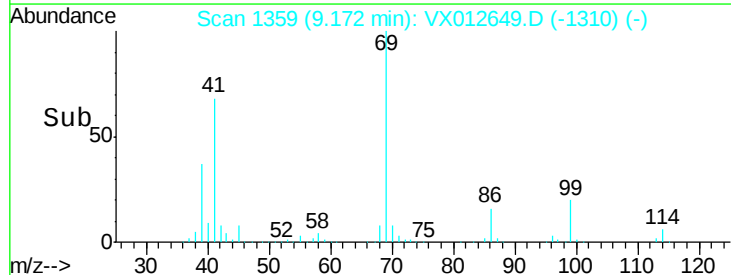
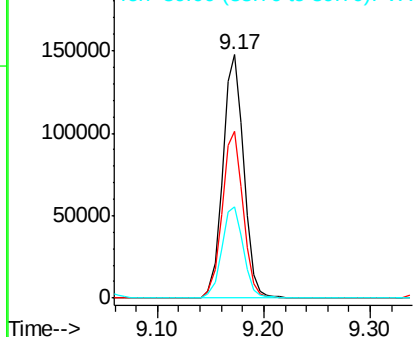


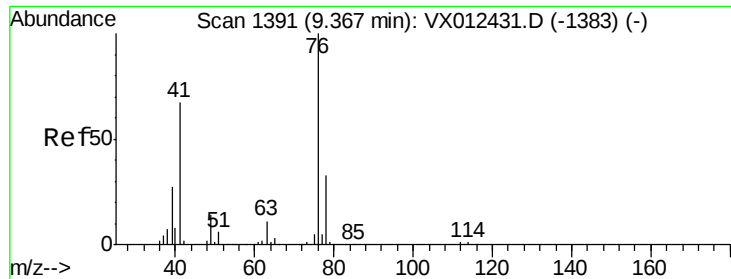
#56
 Ethyl methacrylate
 Concen: 49.389 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion:	69	Resp:	203758
Ion	Ratio	Lower	Upper
69	100		
41	68.8	58.4	87.6
39	38.4	33.4	50.0



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 47.864 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

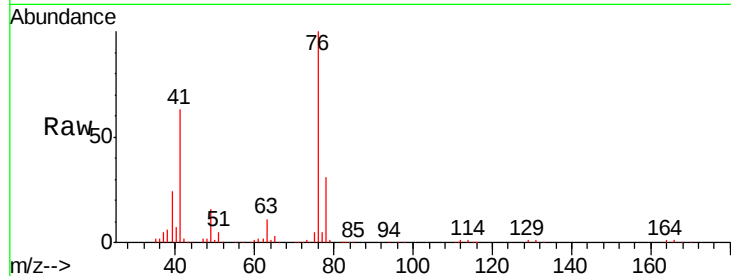
VSTDCCC050

Tgt Ion: 76 Resp: 205716

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.36

150000

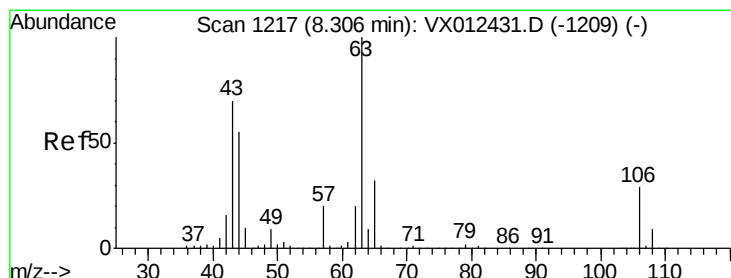
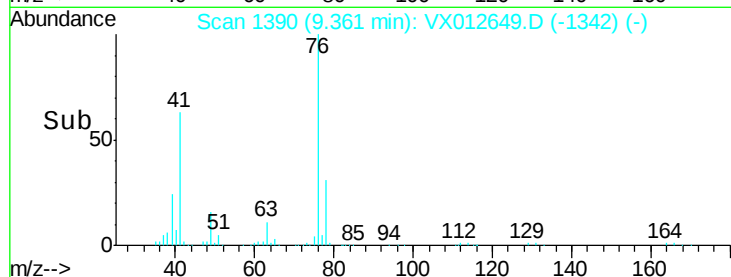
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 262.340 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012649.D

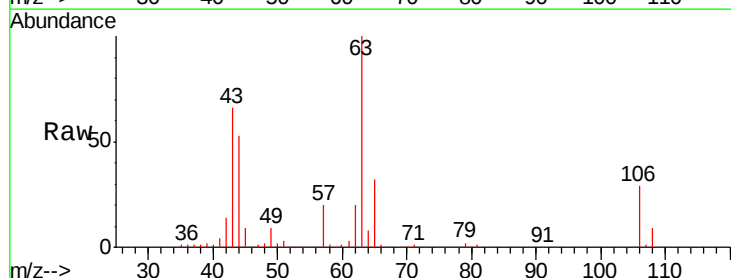
Acq: 25 Sep 2019 10:09

Tgt Ion: 63 Resp: 485820

Ion Ratio Lower Upper

63 100

106 28.5 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

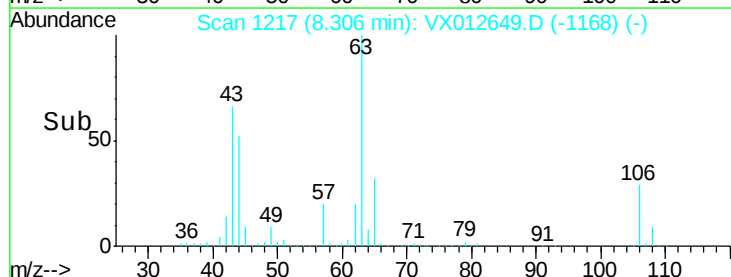
200000

100000

0

8.20 8.25 8.30 8.35 8.40

Time-->

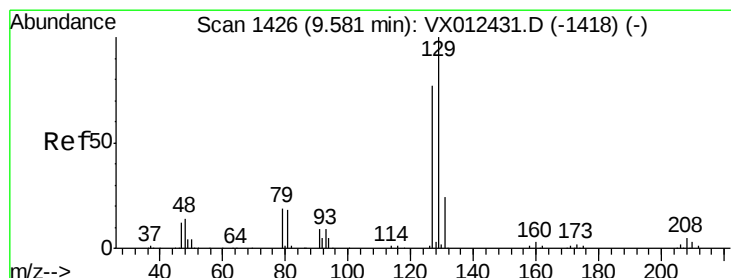
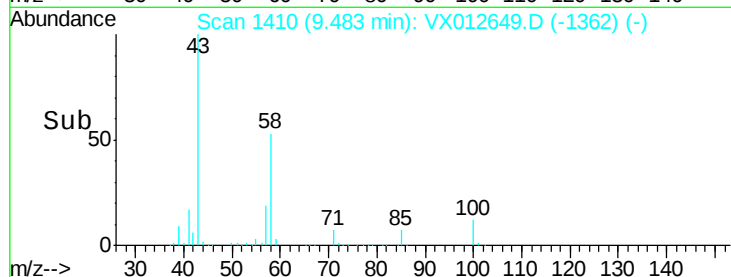
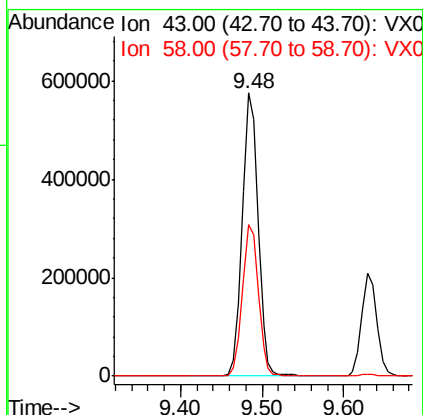
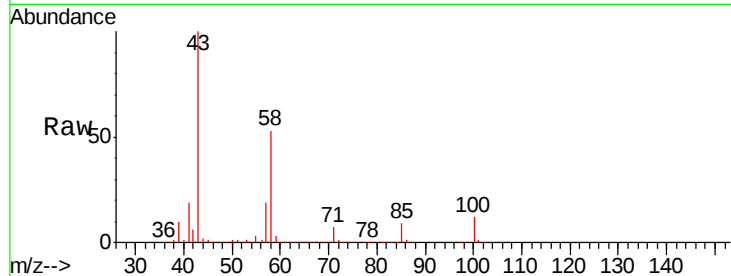




#59
2-Hexanone
Concen: 249.504 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

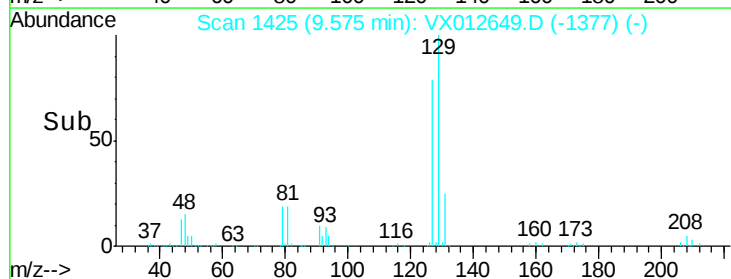
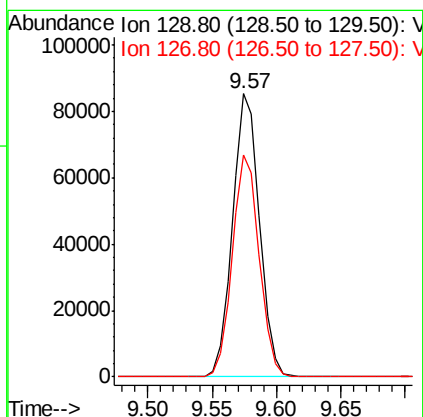
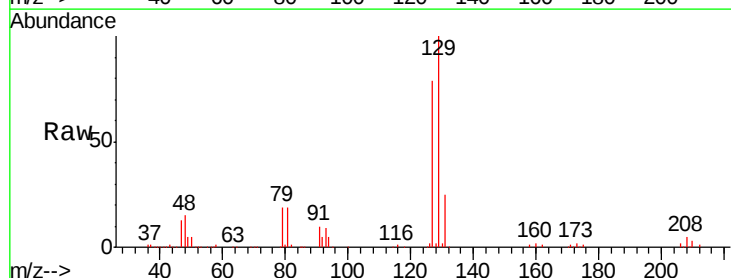
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

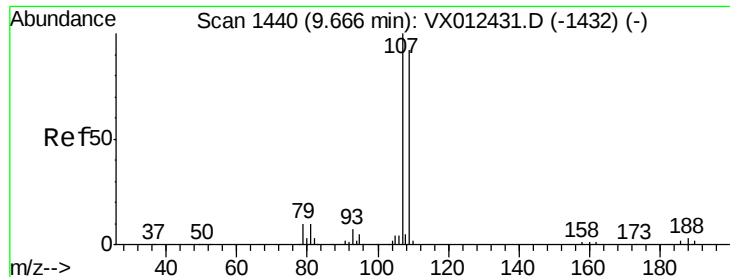
Tgt Ion: 43 Resp: 769856
Ion Ratio Lower Upper
43 100
58 54.2 25.7 77.1



#60
Dibromochloromethane
Concen: 49.947 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 129 Resp: 124163
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 47.987 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

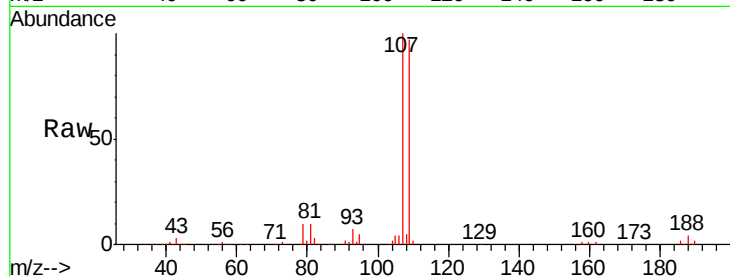
VSTDCCC050

Tgt Ion: 107 Resp: 122640

Ion Ratio Lower Upper

107 100

109 95.6 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

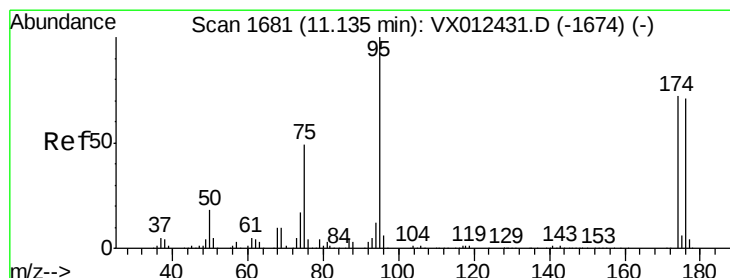
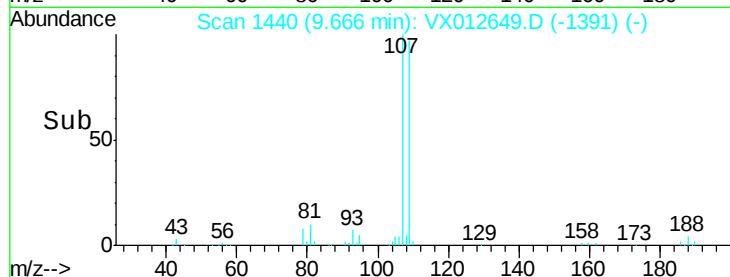
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.596 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

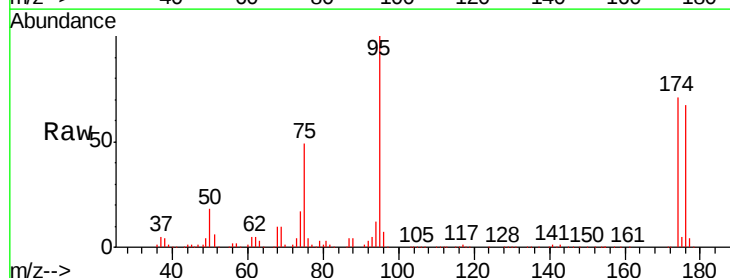
Tgt Ion: 95 Resp: 154987

Ion Ratio Lower Upper

95 100

174 67.2 0.0 140.0

176 63.7 0.0 135.4



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

11.14

150000

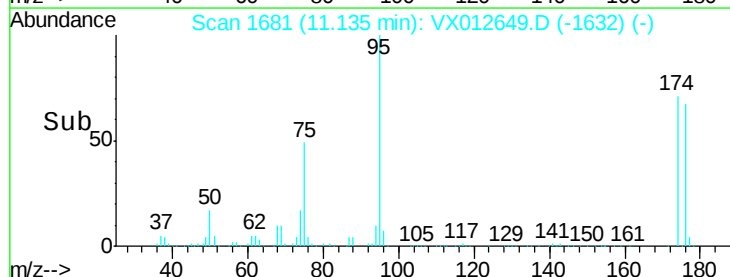
100000

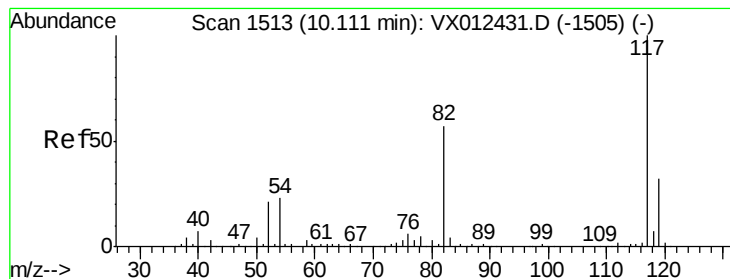
50000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

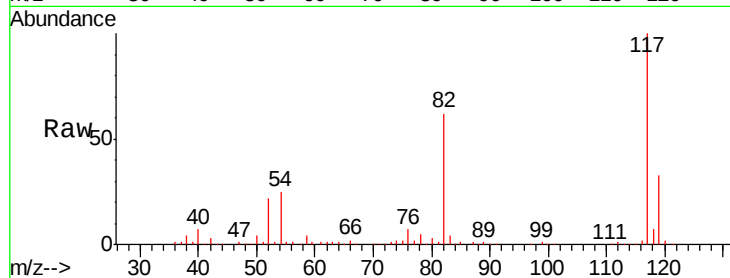
Tgt Ion:117 Resp: 307162

Ion Ratio Lower Upper

117 100

82 61.7 45.9 68.9

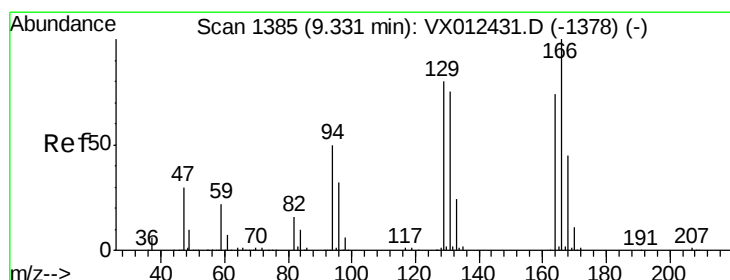
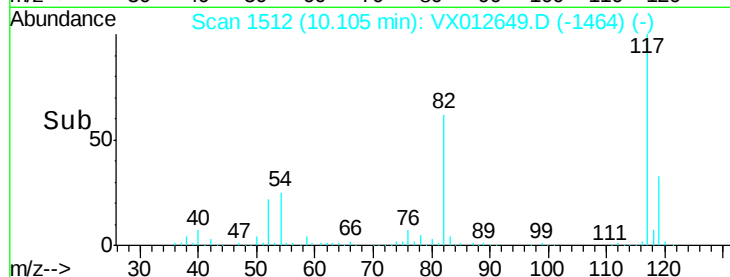
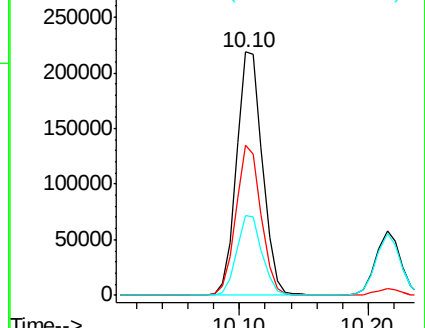
119 32.6 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.192 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Tgt Ion:164 Resp: 109632

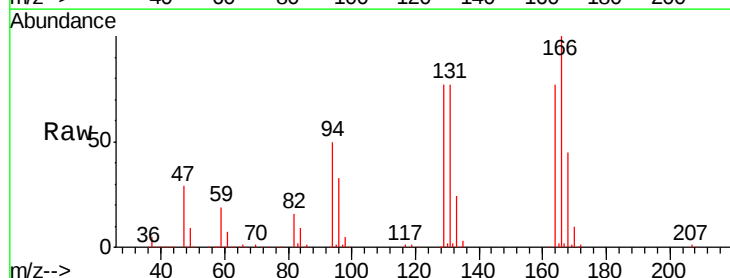
Ion Ratio Lower Upper

164 100

166 130.6 107.8 161.6

129 100.3 86.2 129.2

131 100.0 80.4 120.6

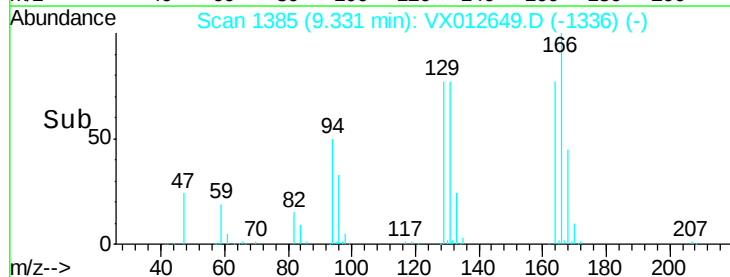
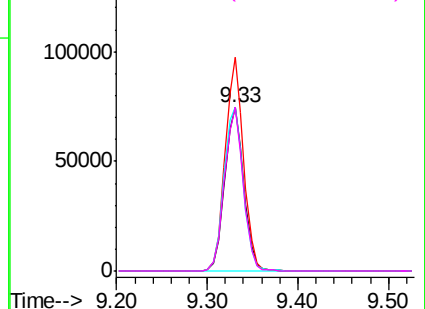


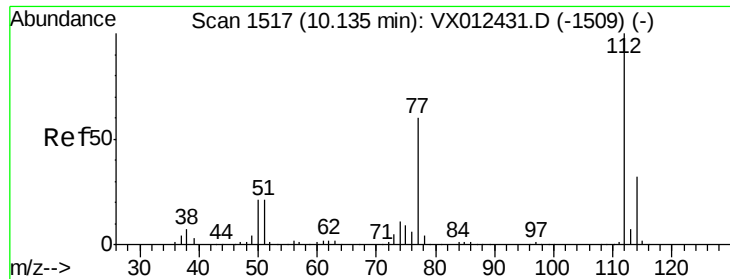
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.186 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

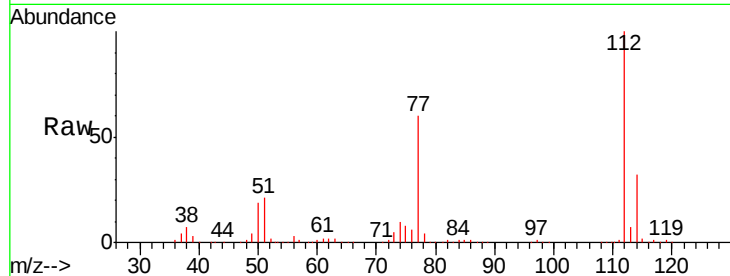
VSTDCCC050

Tgt Ion:112 Resp: 311676

Ion Ratio Lower Upper

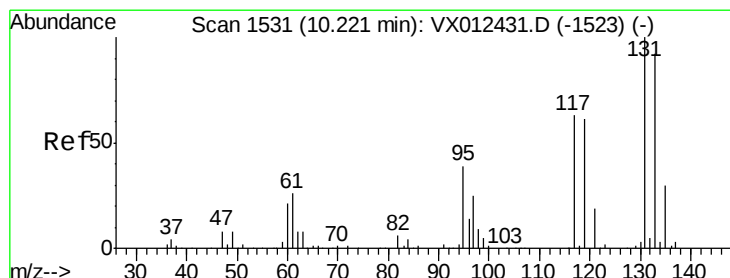
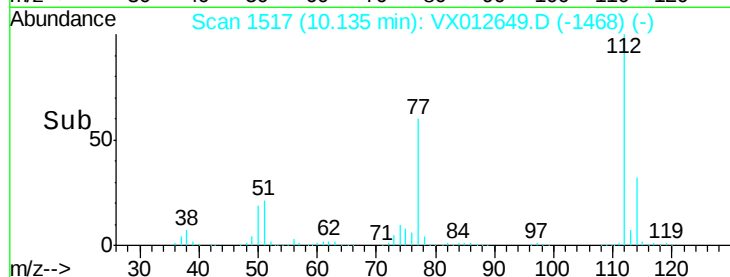
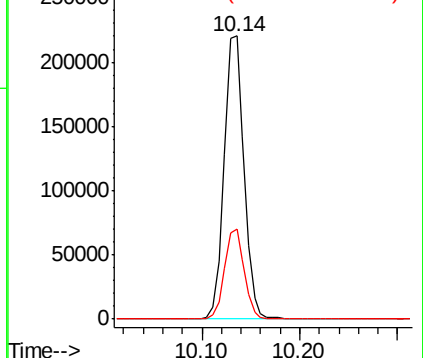
112 100

114 31.8 25.4 38.0



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: 48.768 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

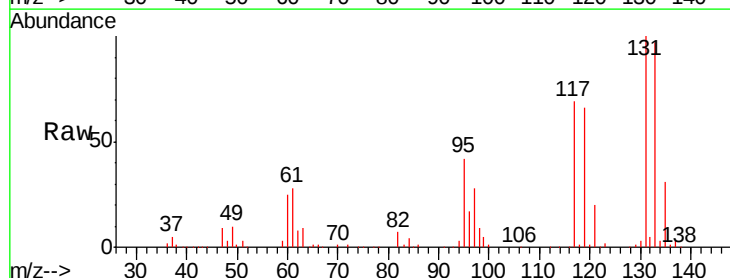
Tgt Ion:131 Resp: 114291

Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.9

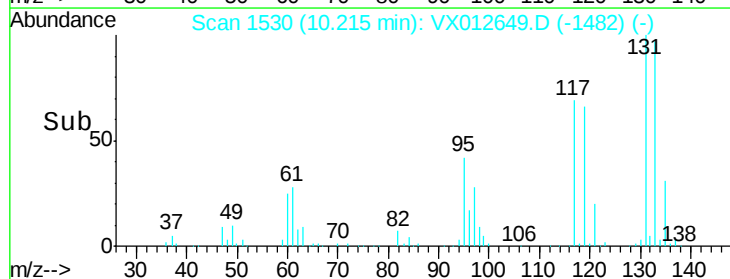
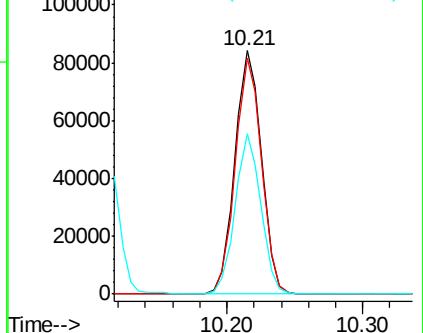
119 63.8 31.3 93.8

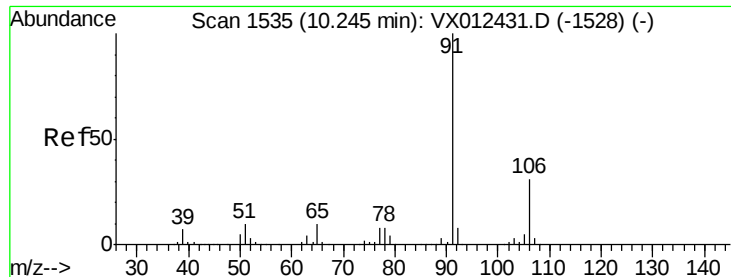


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.391 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

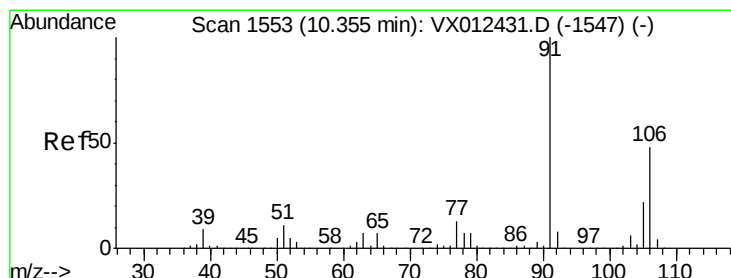
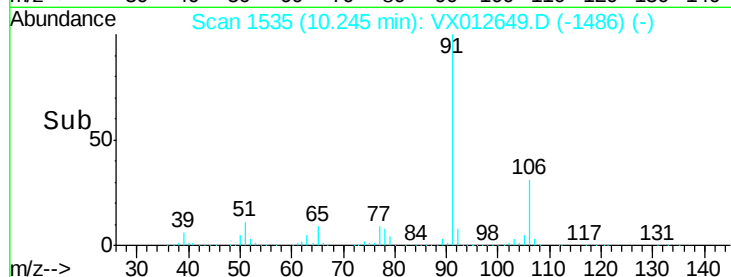
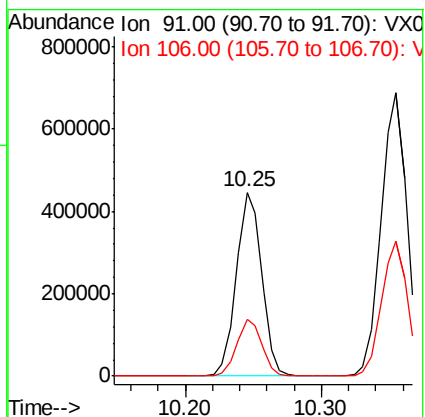
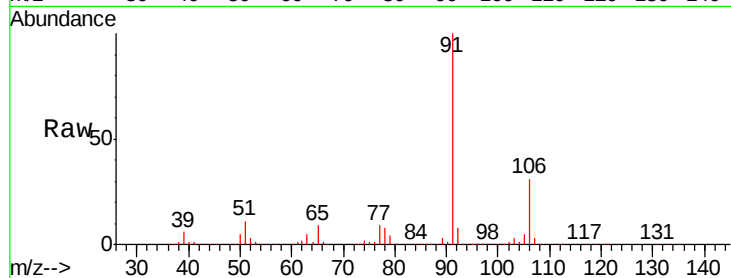
VSTDCCC050

Tgt Ion: 91 Resp: 579443

Ion Ratio Lower Upper

91 100

106 30.5 24.6 37.0



#68

m/p-Xylenes

Concen: 98.693 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012649.D

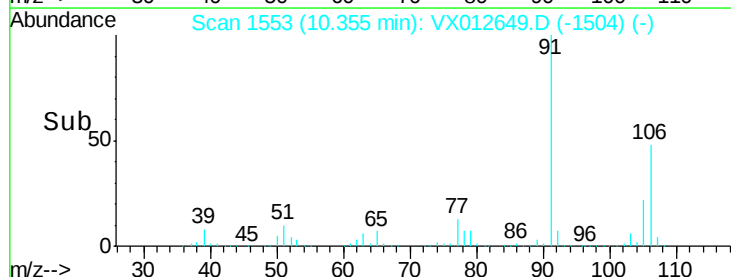
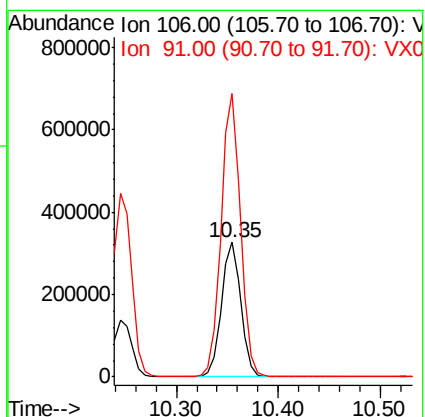
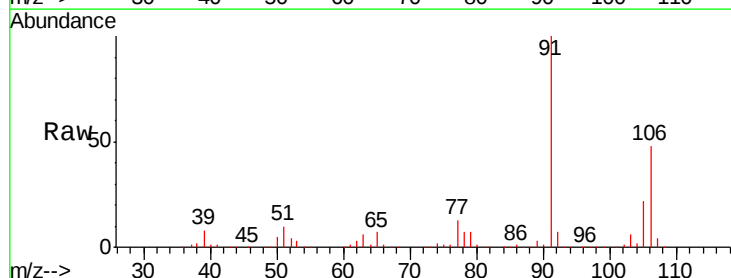
Acq: 25 Sep 2019 10:09

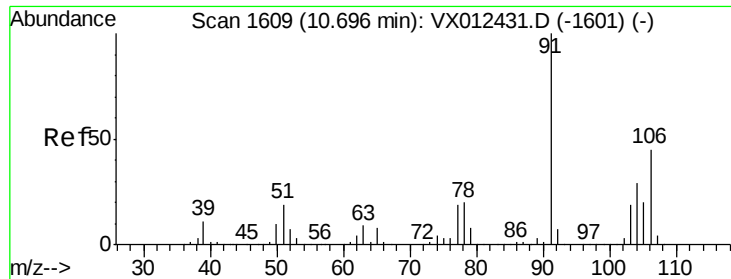
Tgt Ion: 106 Resp: 433725

Ion Ratio Lower Upper

106 100

91 210.3 166.6 250.0

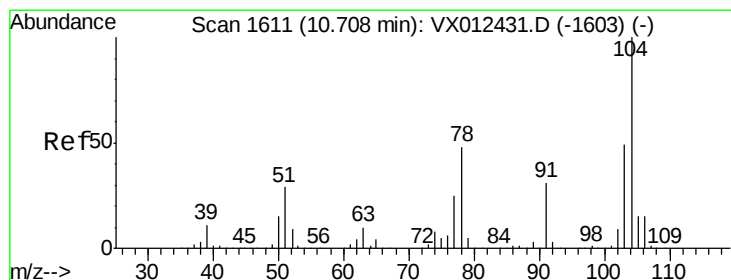
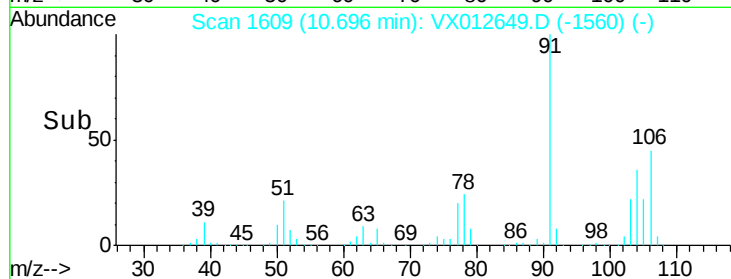
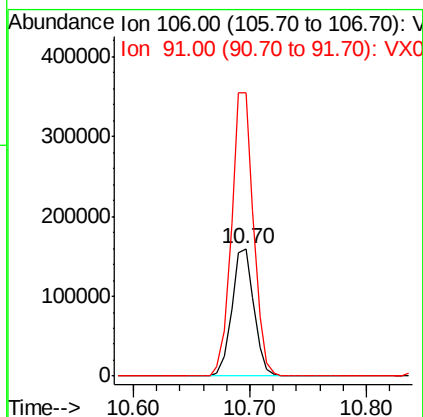
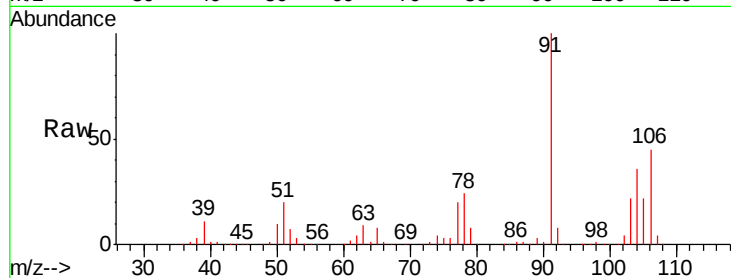




#69
o-Xylene
Concen: 49.432 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

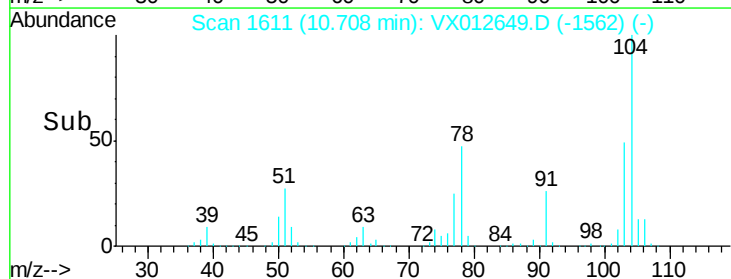
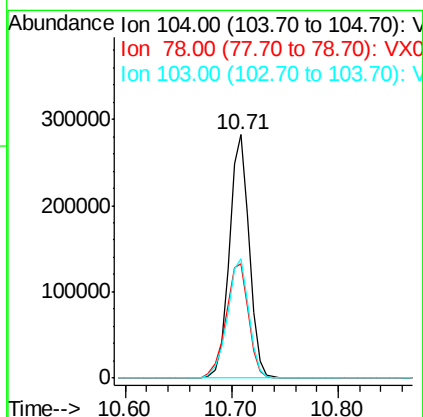
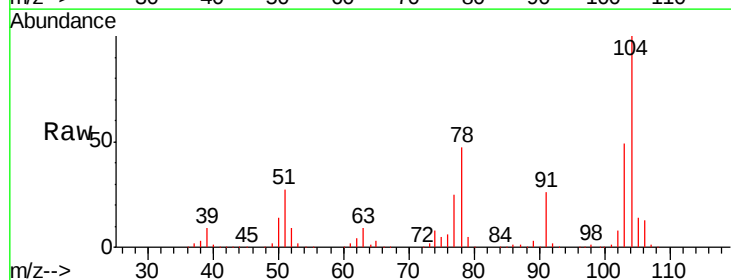
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

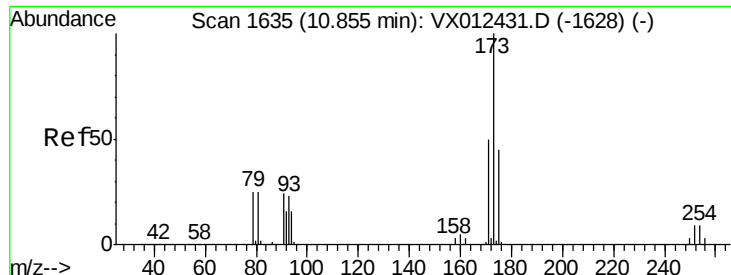
Tgt Ion:106 Resp: 210206
Ion Ratio Lower Upper
106 100
91 222.0 109.4 328.2



#70
Styrene
Concen: 51.585 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion:104 Resp: 367735
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.2
103 53.3 43.3 64.9





#71

Bromoform

Concen: 50.536 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

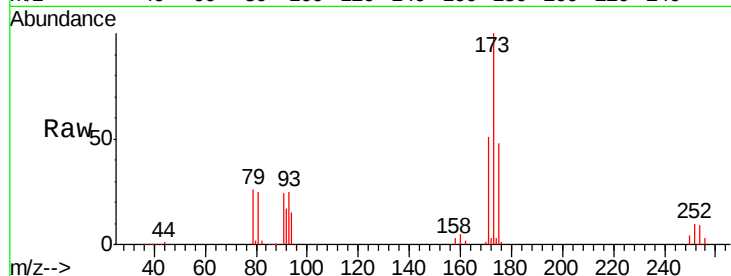
Tgt Ion:173 Resp: 82467

Ion Ratio Lower Upper

173 100

175 48.7 23.7 71.1

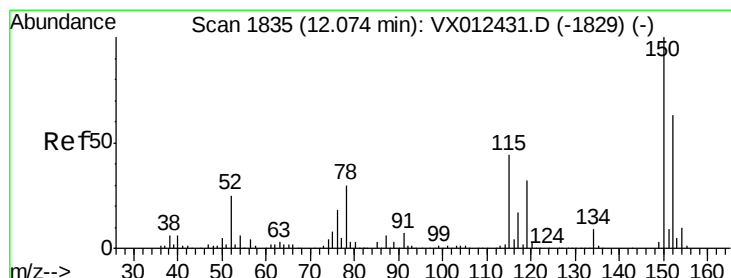
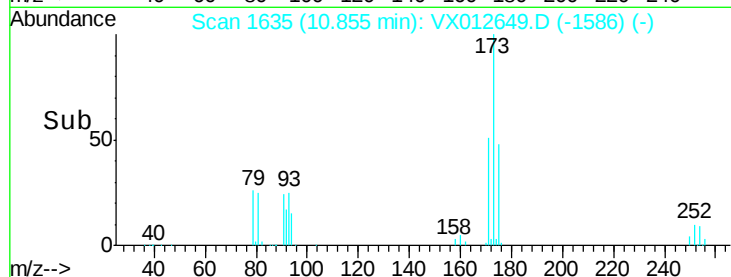
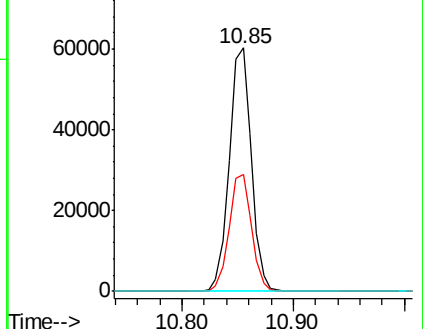
254 0.1 0.1 0.1#



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: VX012649.D

Acq: 25 Sep 2019 10:09

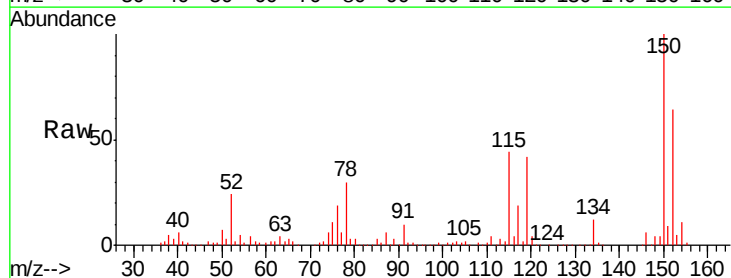
Tgt Ion:152 Resp: 146716

Ion Ratio Lower Upper

152 100

115 90.9 44.1 132.3

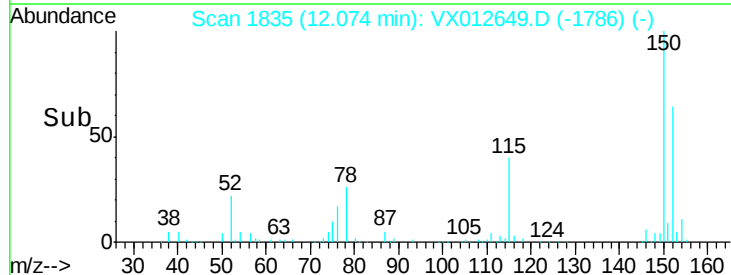
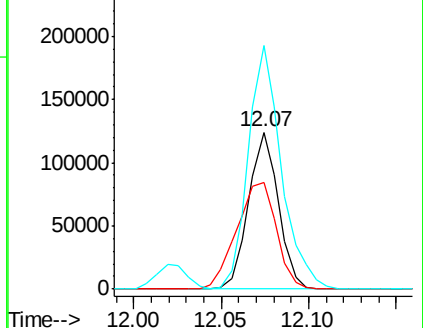
150 173.3 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.663 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

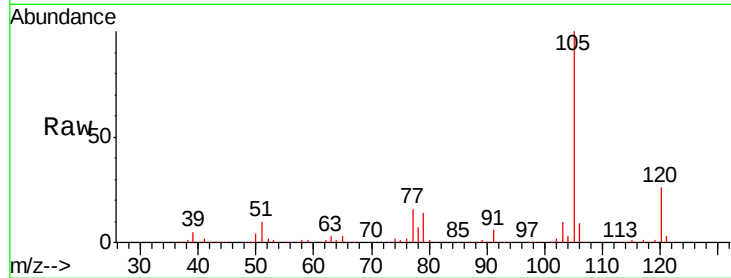
VSTDCCC050

Tgt Ion: 105 Resp: 569549

Ion Ratio Lower Upper

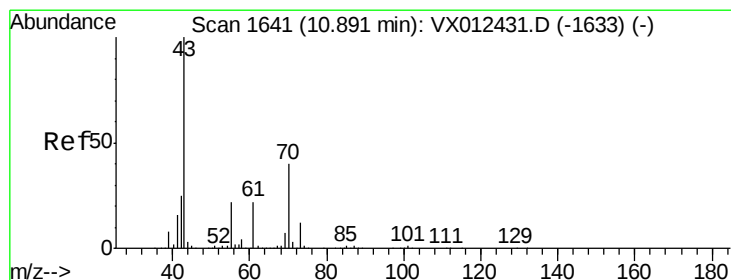
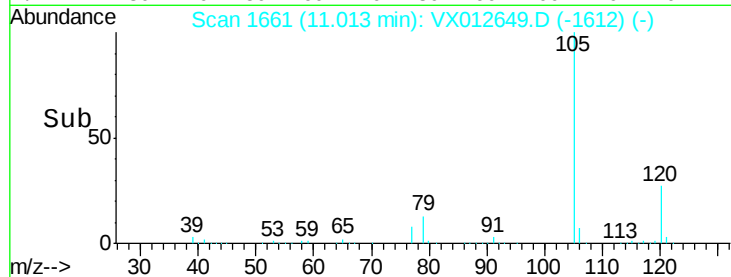
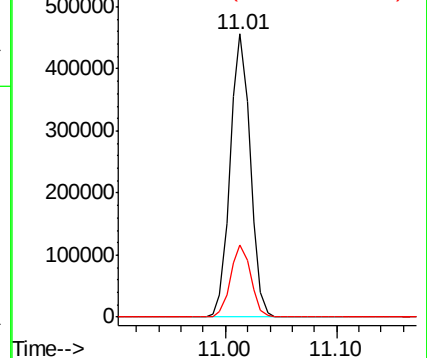
105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.626 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Tgt Ion: 43 Resp: 277205

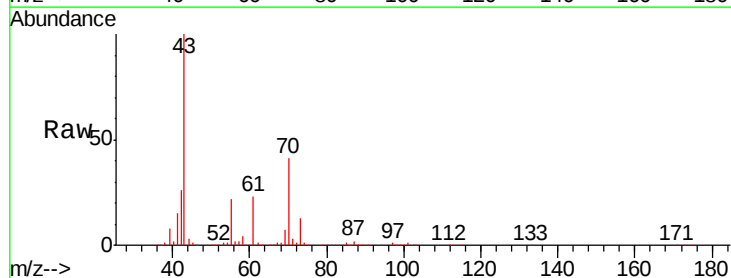
Ion Ratio Lower Upper

43 100

70 42.3 32.4 48.6

55 23.2 18.2 27.4

61 23.9 18.5 27.7

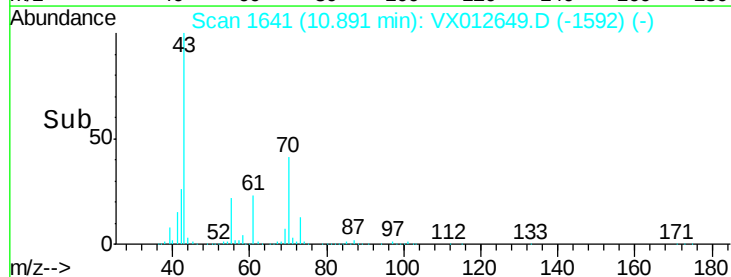
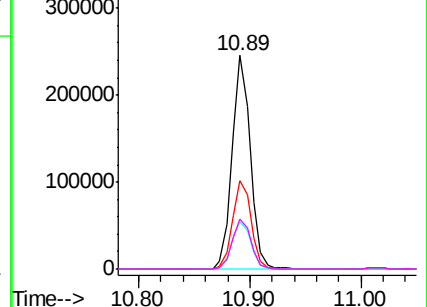


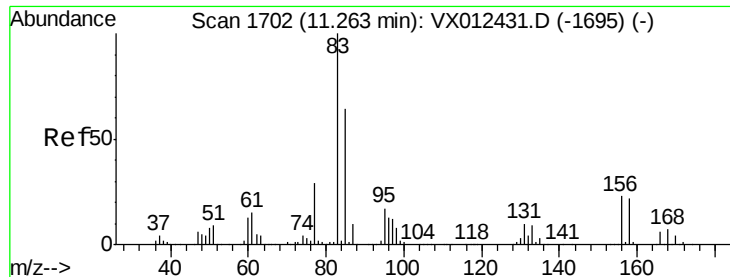
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 46.916 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

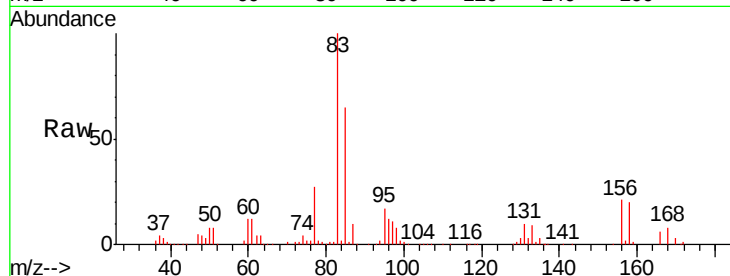
Tgt Ion: 83 Resp: 185670

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

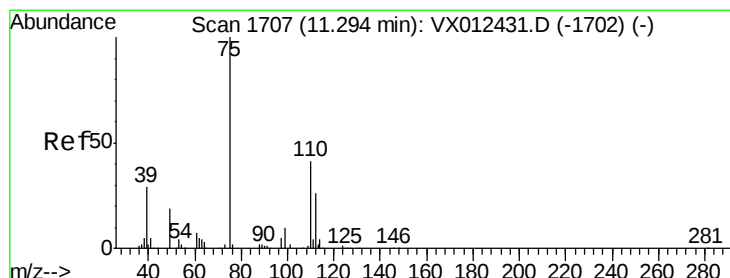
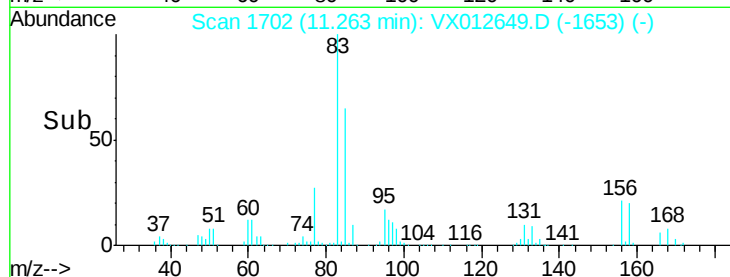
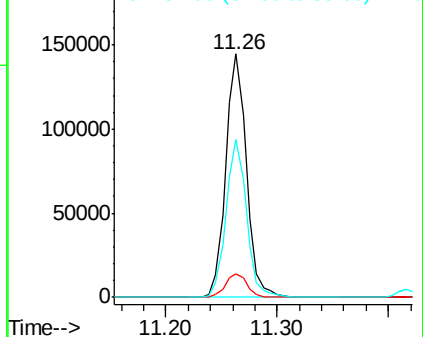
85 64.2 32.0 96.0



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: 58.099 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012649.D

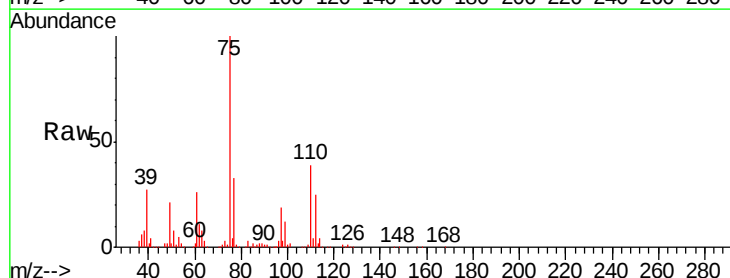
Acq: 25 Sep 2019 10:09

Tgt Ion: 75 Resp: 225481

Ion Ratio Lower Upper

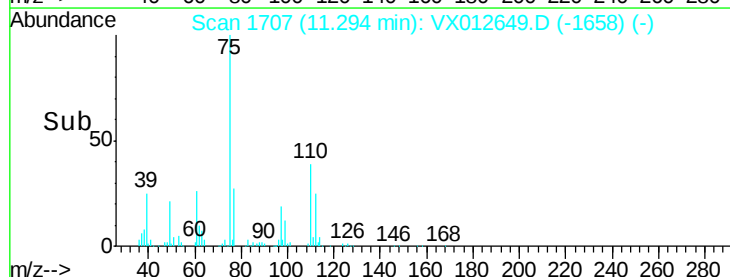
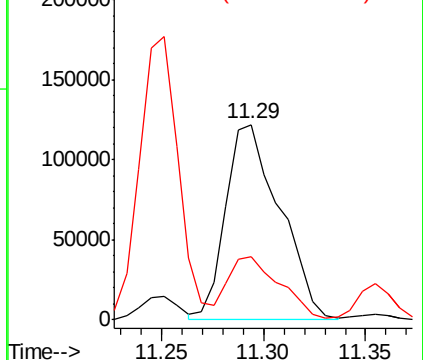
75 100

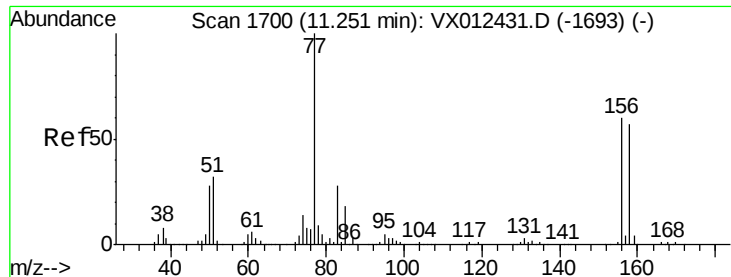
77 30.9 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.485 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

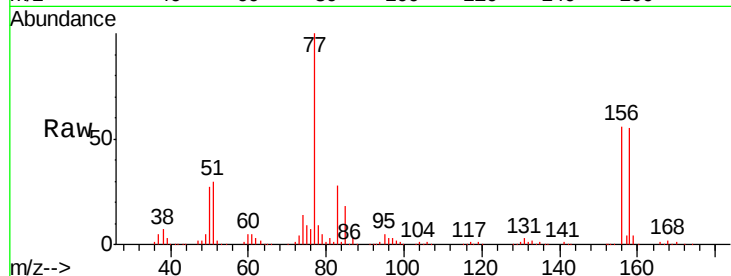
Tgt Ion:156 Resp: 125719

Ion Ratio Lower Upper

156 100

77 187.2 87.3 261.8

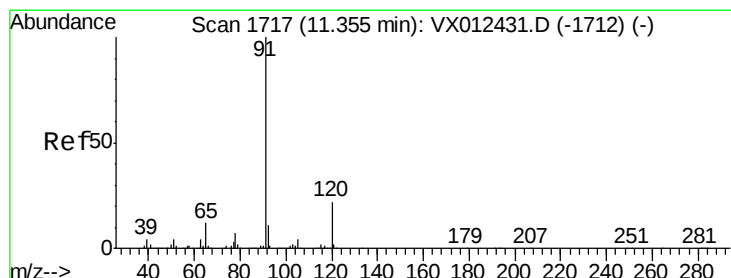
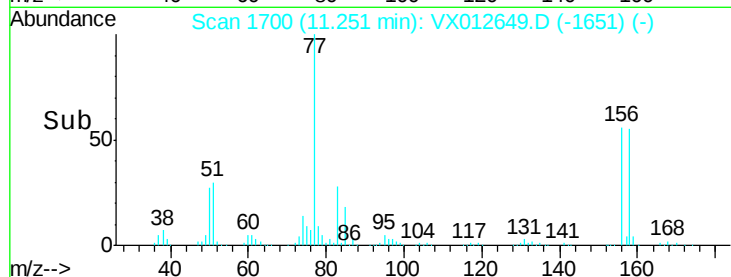
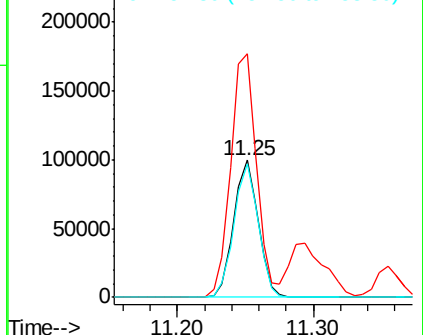
158 96.3 48.5 145.6



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: 48.844 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012649.D

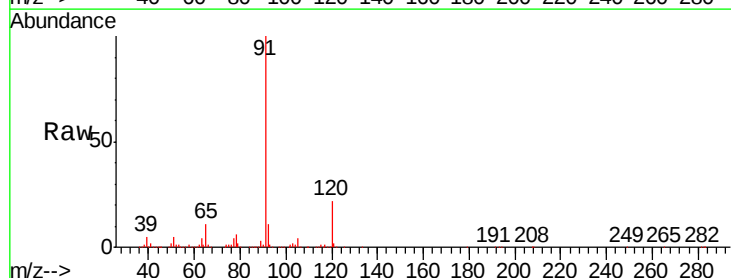
Acq: 25 Sep 2019 10:09

Tgt Ion: 91 Resp: 657100

Ion Ratio Lower Upper

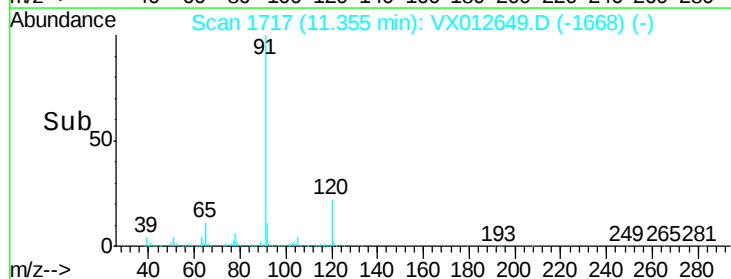
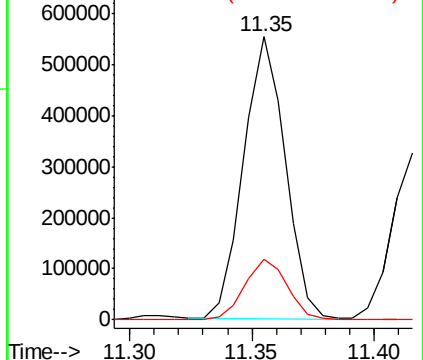
91 100

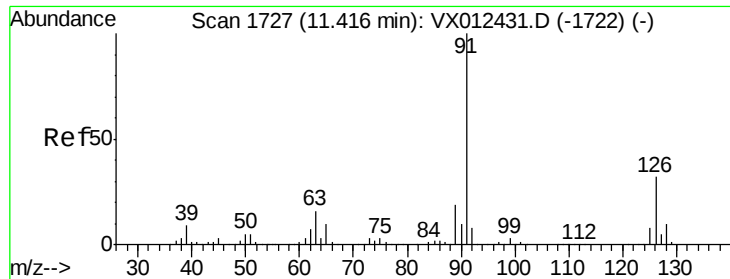
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

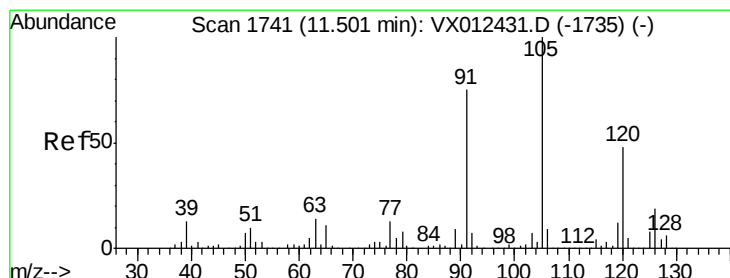
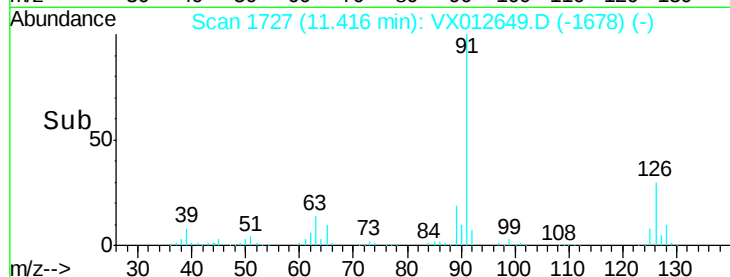
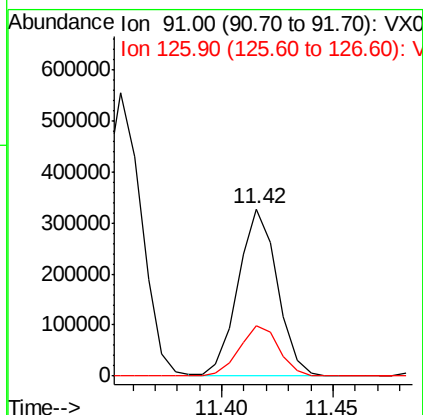
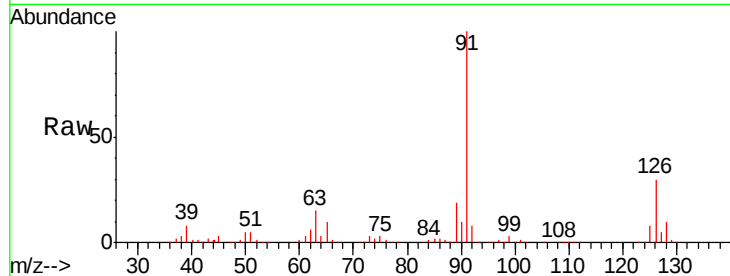




#79
 2-Chlorotoluene
 Concen: 47.610 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

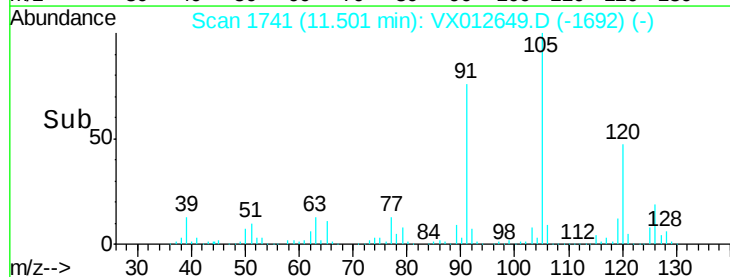
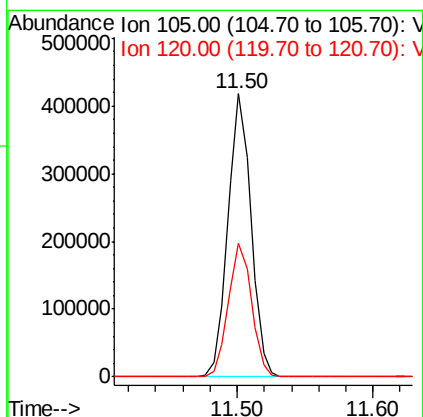
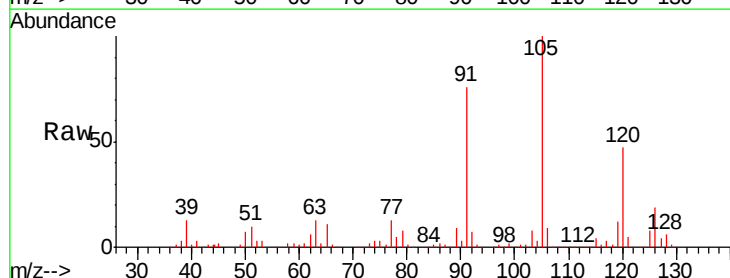
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

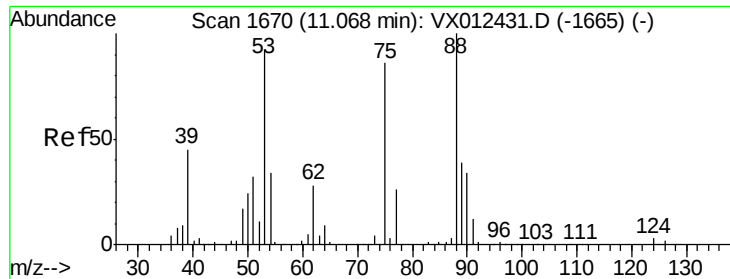
Tgt Ion: 91 Resp: 399554
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 48.992 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion: 105 Resp: 490934
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.8

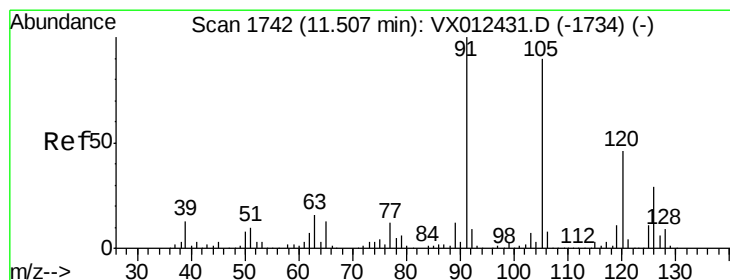
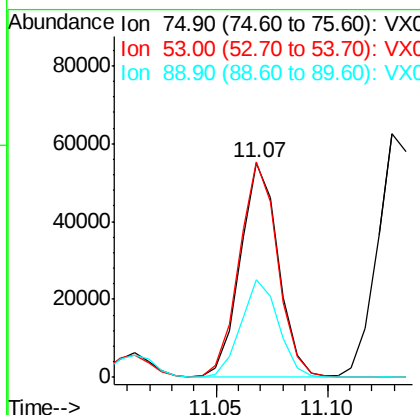
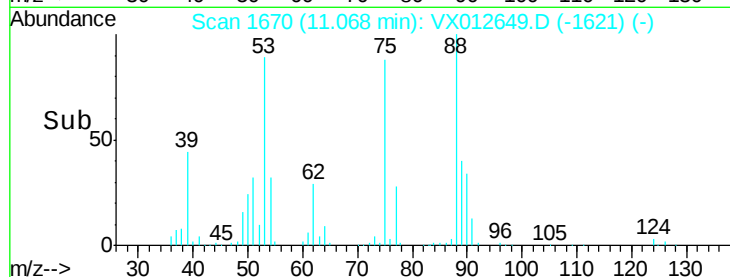
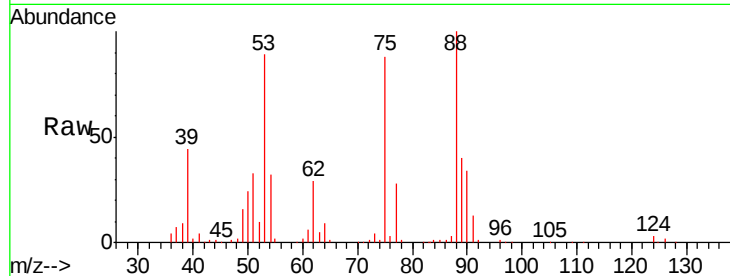




#81
trans-1,4-Dichloro-2-butene
Concen: 48.277 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

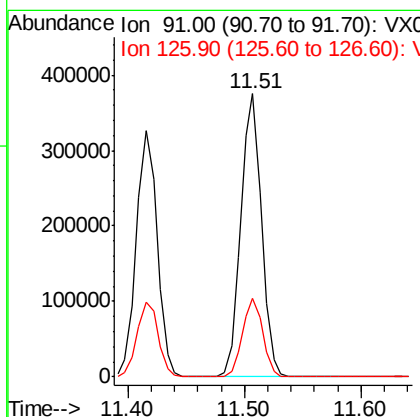
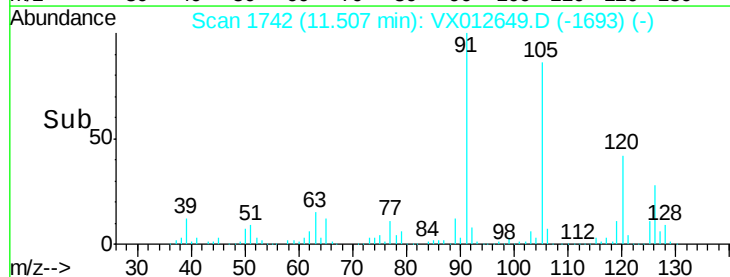
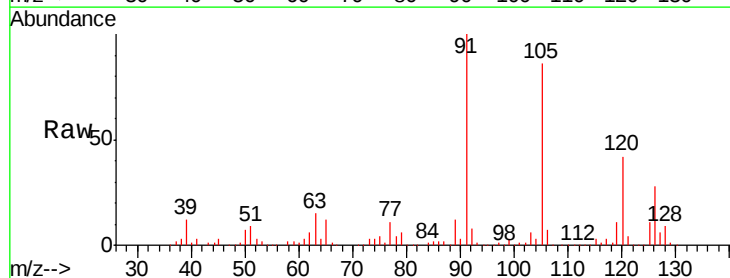
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

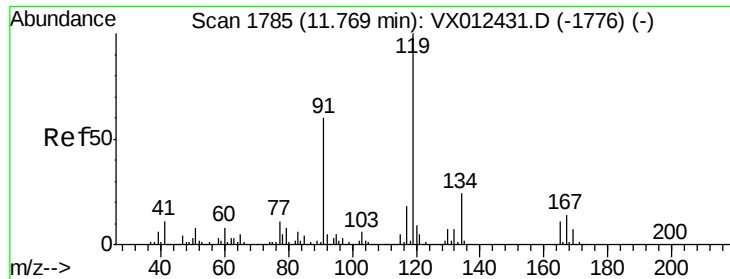
Tgt Ion: 75 Resp: 65379
Ion Ratio Lower Upper
75 100
53 102.0 83.6 125.4
89 45.3 36.3 54.5



#82
4-Chlorotoluene
Concen: 48.759 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012649.D
Acq: 25 Sep 2019 10:09

Tgt Ion: 91 Resp: 466469
Ion Ratio Lower Upper
91 100
126 27.3 14.4 43.0

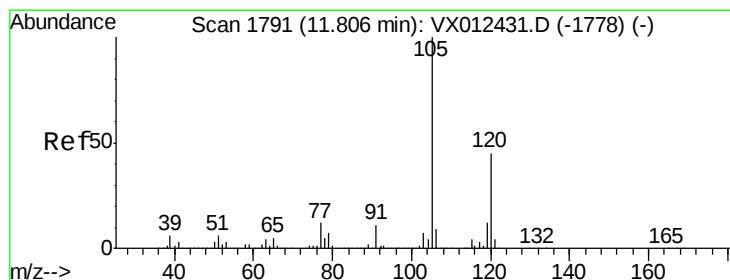
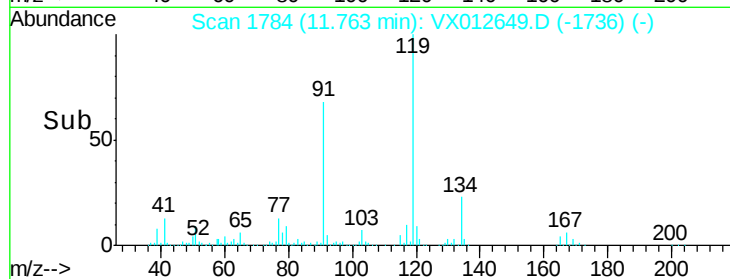
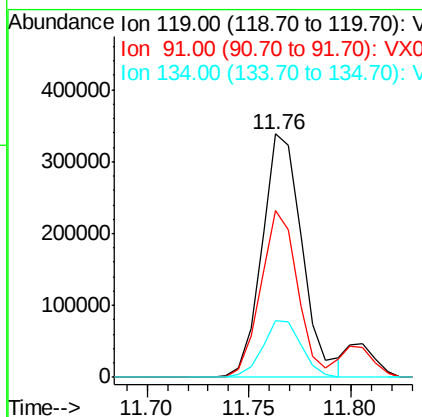
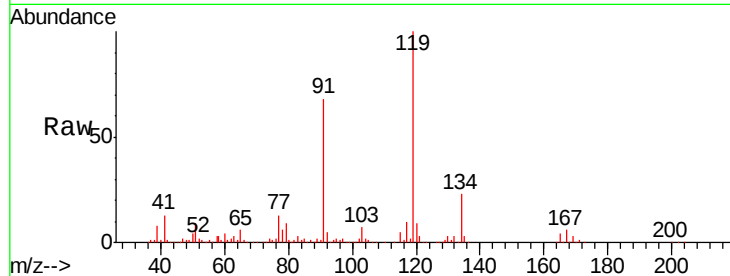




#83
 tert-Butylbenzene
 Concen: 48.038 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

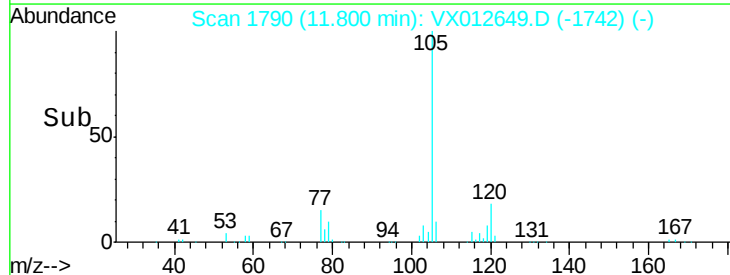
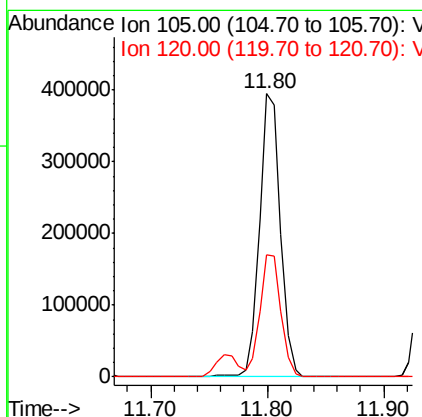
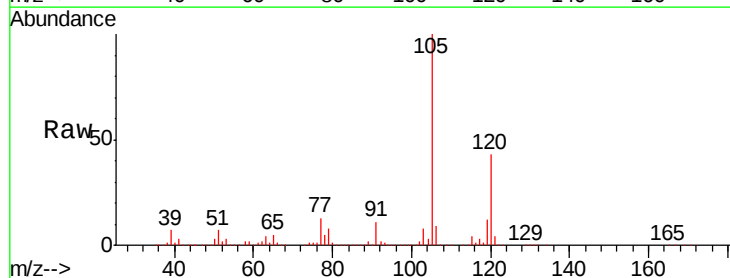
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

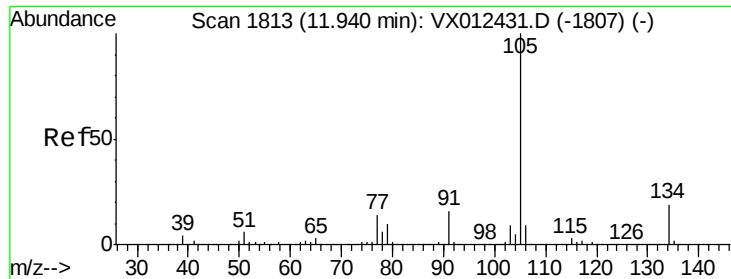
Tgt Ion:119 Resp: 464350
 Ion Ratio Lower Upper
 119 100
 91 62.7 30.0 90.0
 134 22.3 11.3 33.9



#84
 1,2,4-Trimethylbenzene
 Concen: 48.661 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion:105 Resp: 491894
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.2 66.6

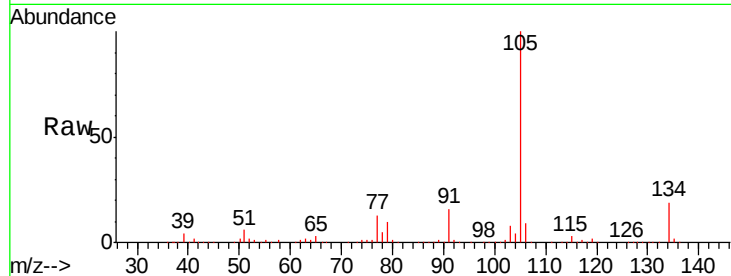




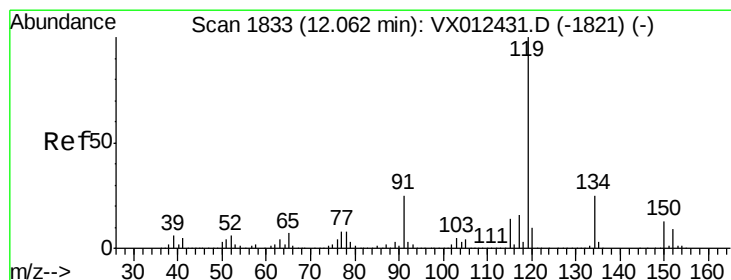
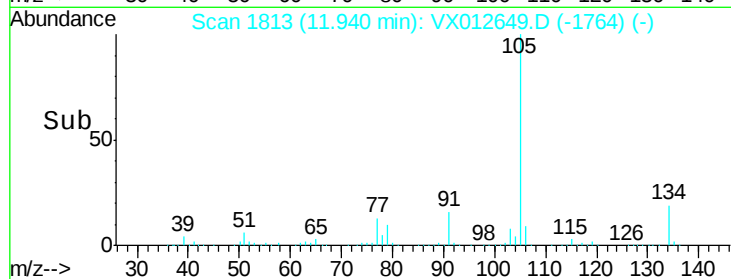
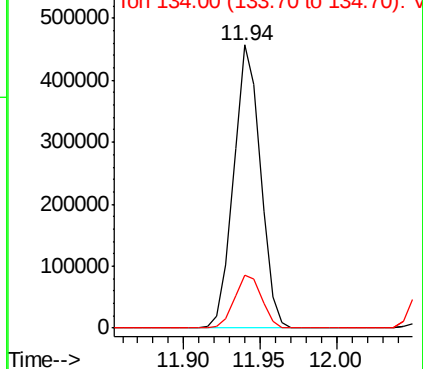
#85
 sec-Butylbenzene
 Concen: 49.323 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 554536
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.4

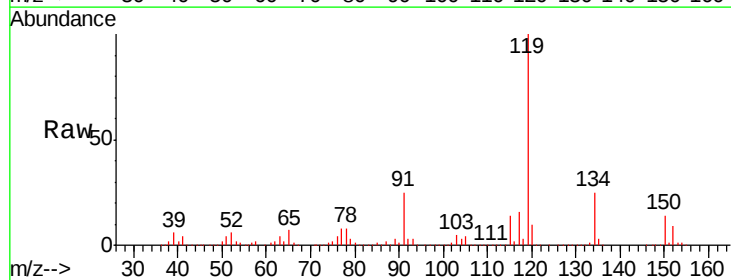


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

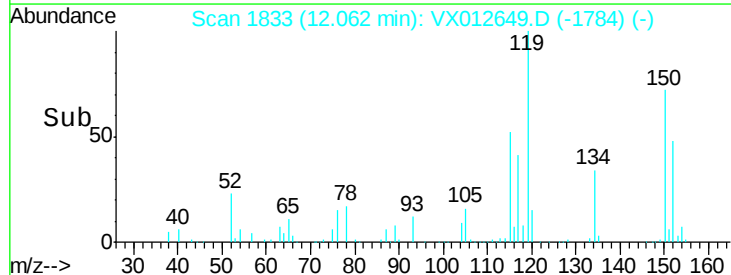
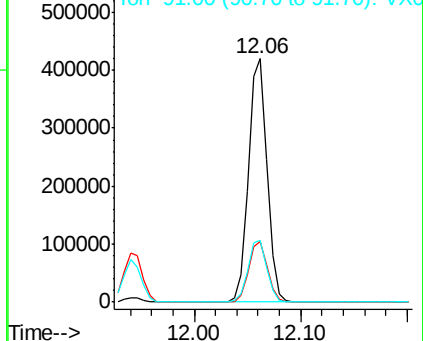


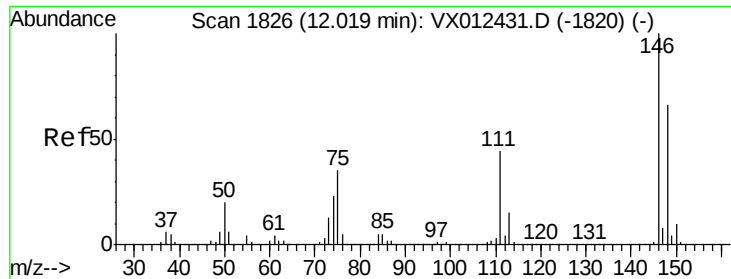
#86
 p-Isopropyltoluene
 Concen: 50.602 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion:119 Resp: 513347
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 26.0 12.8 38.4



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

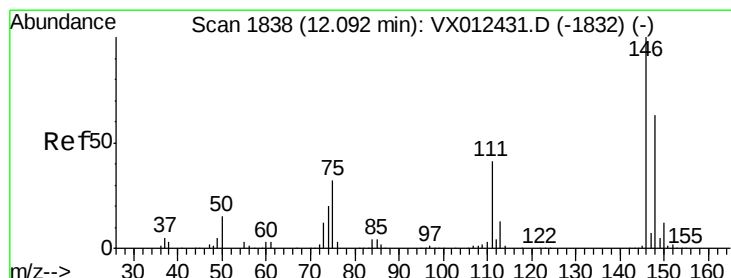
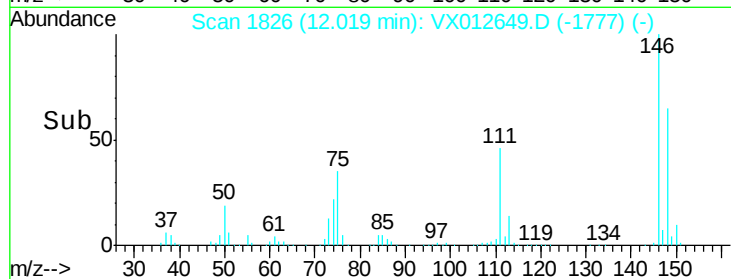
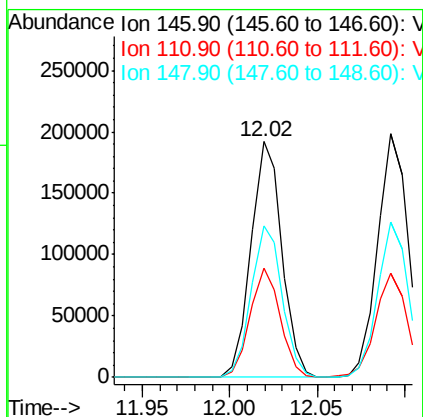
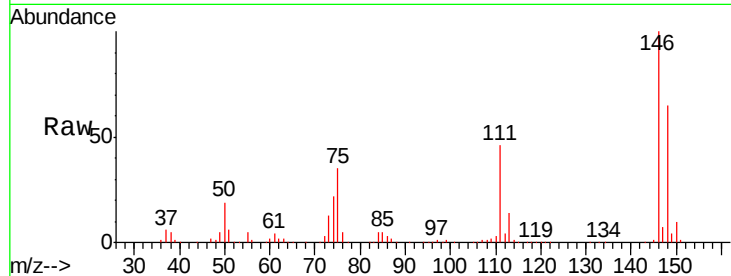




#87
 1,3-Dichlorobenzene
 Concen: 48.418 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

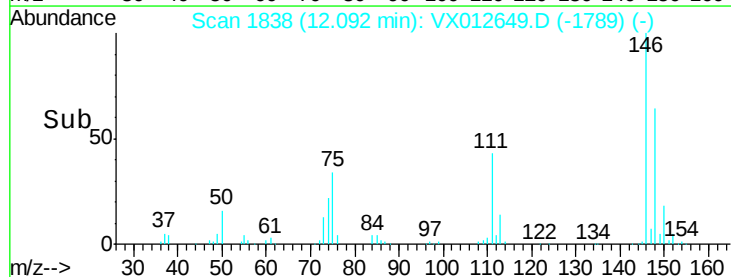
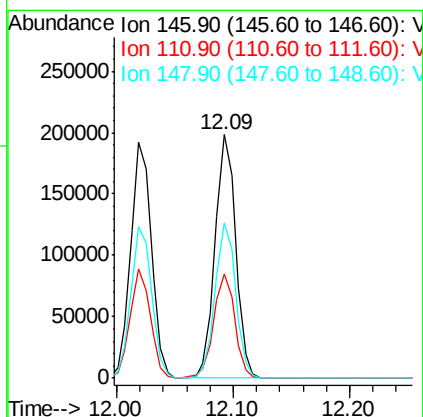
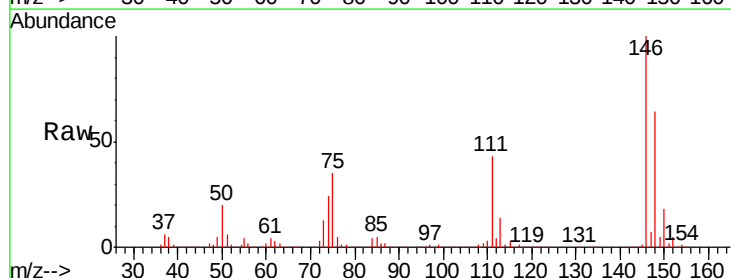
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

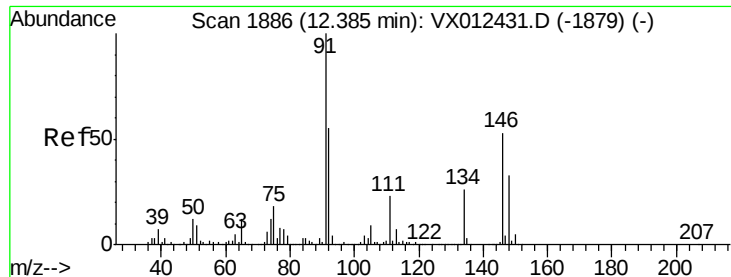
Tgt Ion:146 Resp: 235653
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.3 64.0
 148 64.4 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 48.966 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion:146 Resp: 240823
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.1 63.3
 148 63.5 32.1 96.5





#89

n-Butylbenzene

Concen: 50.393 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

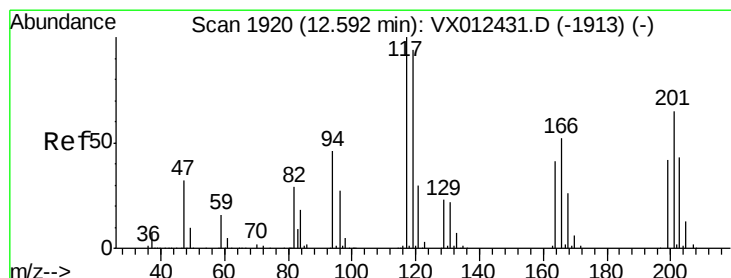
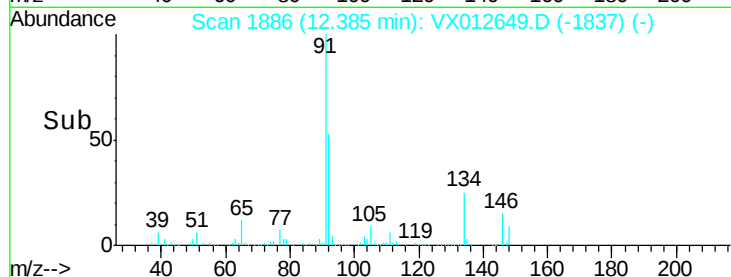
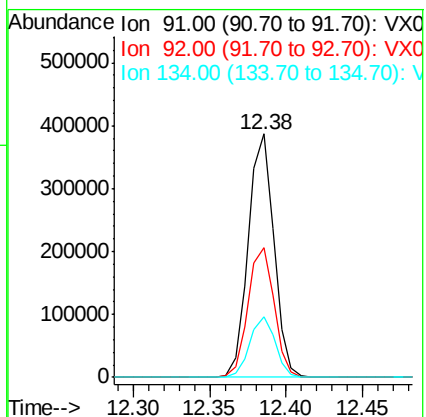
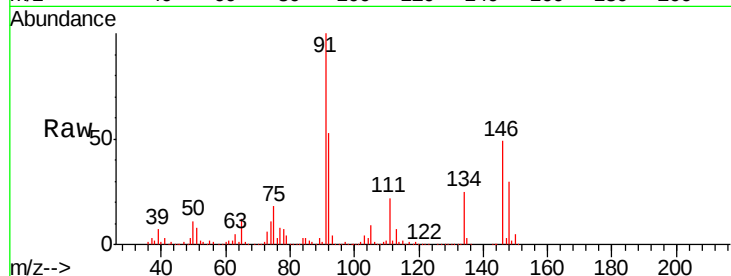
Tgt Ion: 91 Resp: 450482

Ion Ratio Lower Upper

91 100

92 54.5 27.7 83.0

134 24.9 12.9 38.6



#90

Hexachloroethane

Concen: 49.179 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012649.D

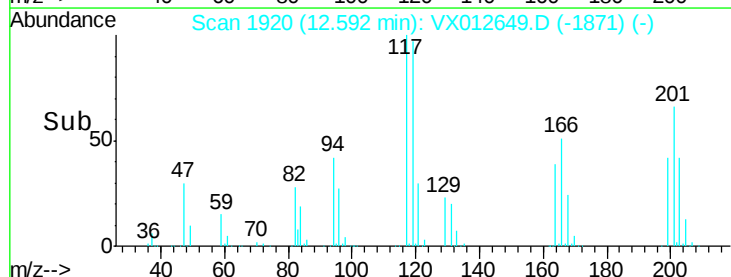
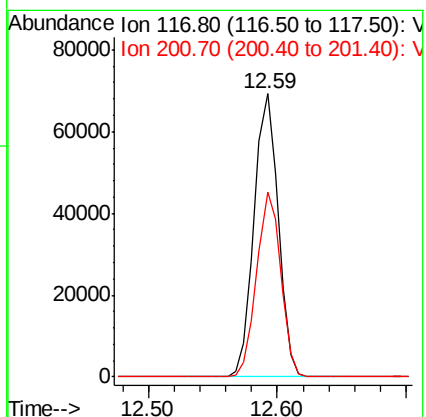
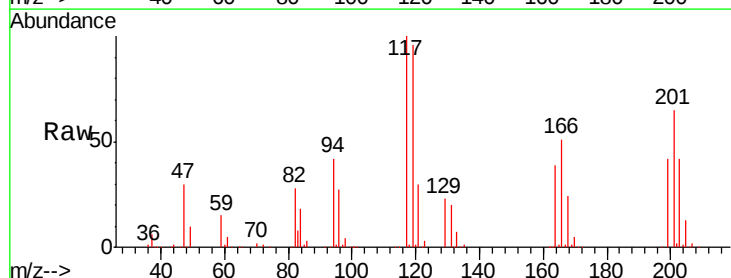
Acq: 25 Sep 2019 10:09

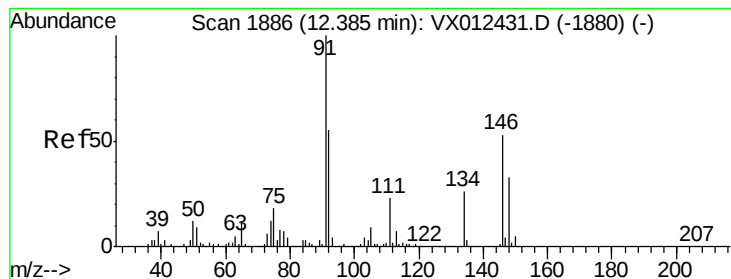
Tgt Ion: 117 Resp: 88946

Ion Ratio Lower Upper

117 100

201 65.3 33.3 99.8





#91

1,2-Dichlorobenzene

Concen: 48.720 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

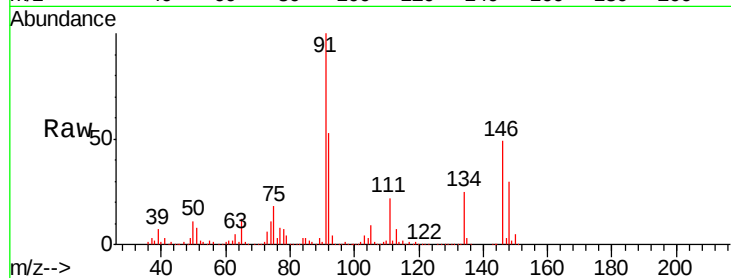
Tgt Ion:146 Resp: 237395

Ion Ratio Lower Upper

146 100

111 45.8 22.1 66.1

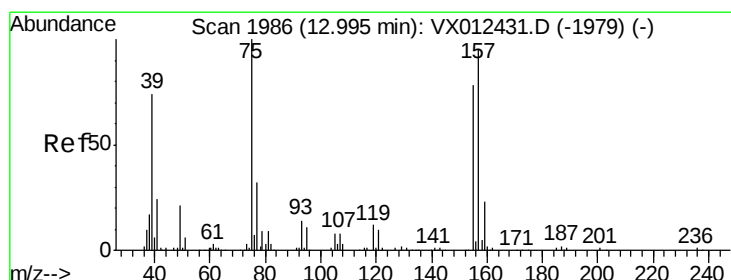
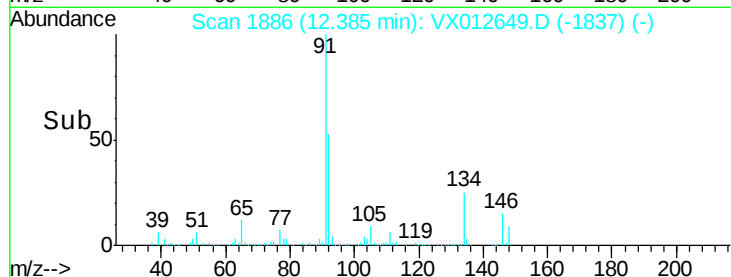
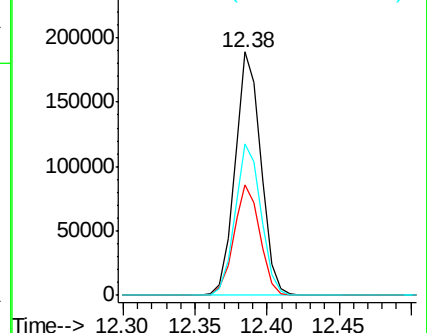
148 62.7 31.3 93.9



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: 48.319 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

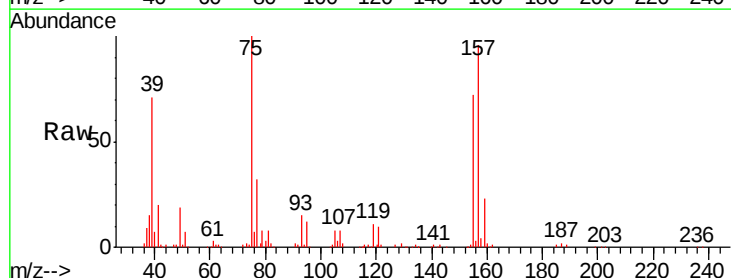
Tgt Ion: 75 Resp: 47834

Ion Ratio Lower Upper

75 100

155 75.2 38.6 115.8

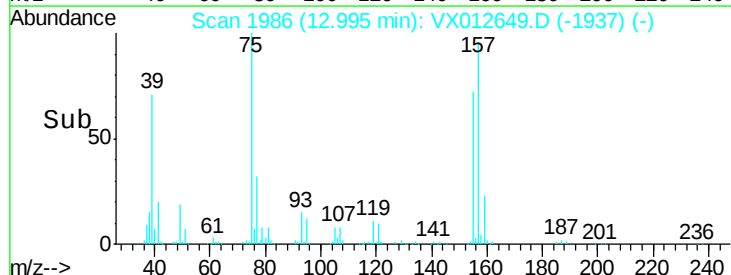
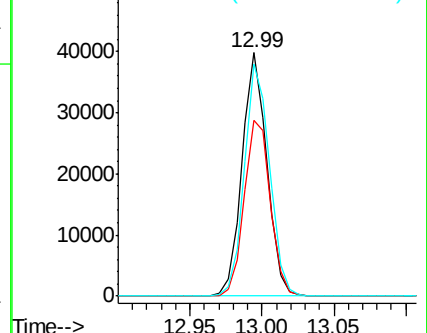
157 96.2 50.6 151.9

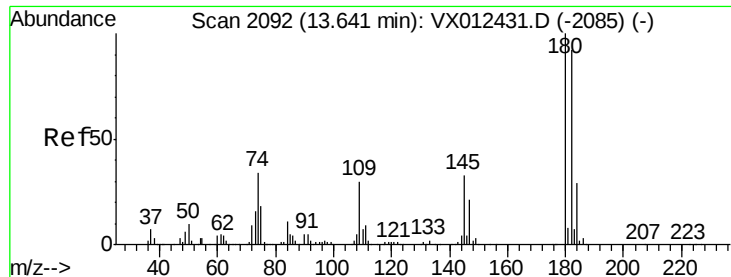


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

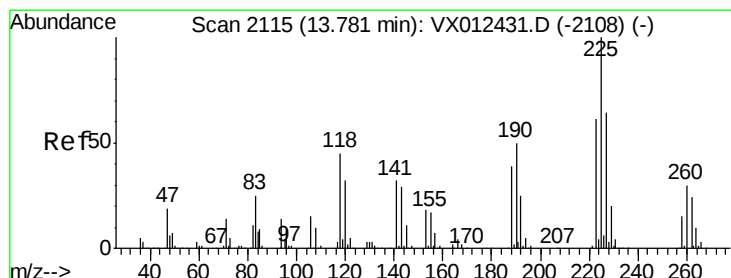
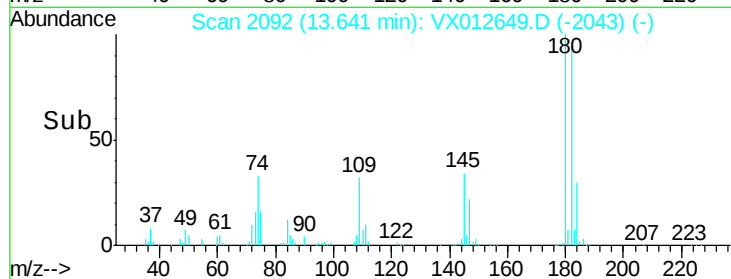
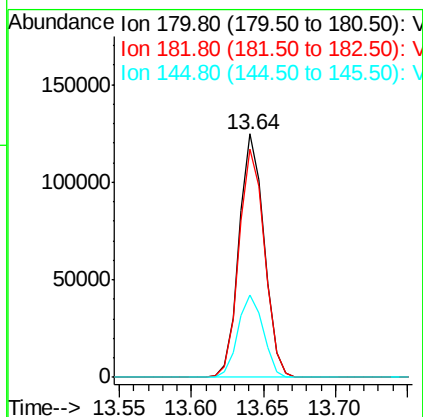
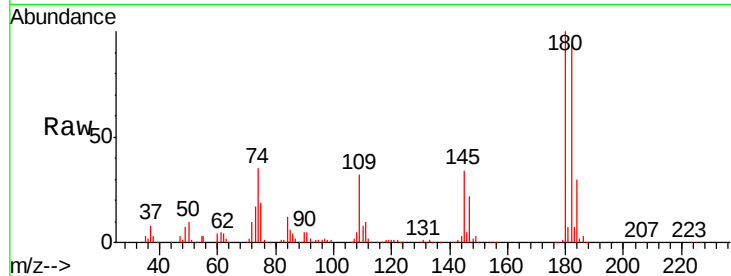




#93
 1,2,4-Trichlorobenzene
 Concen: 50.738 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

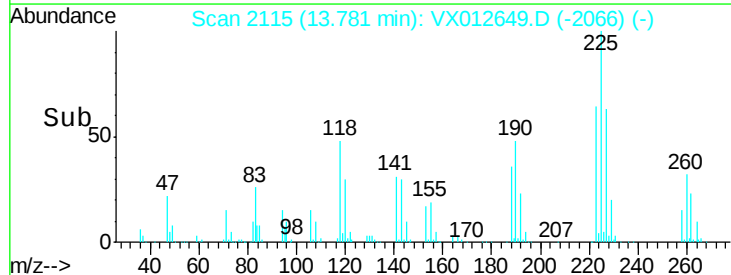
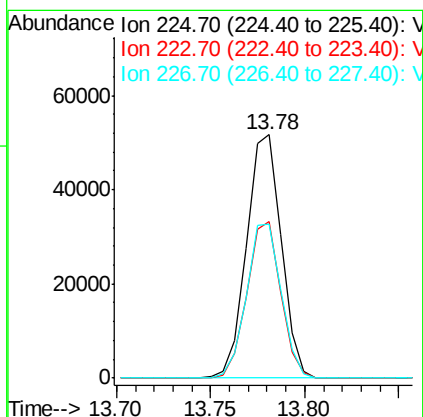
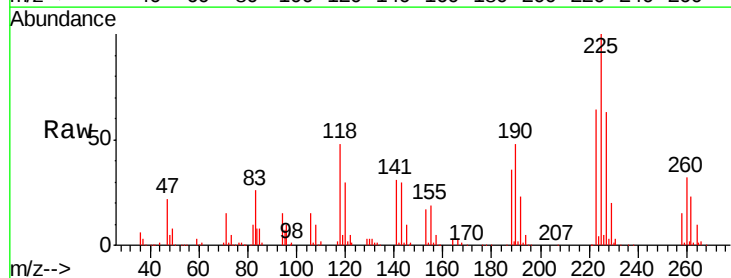
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

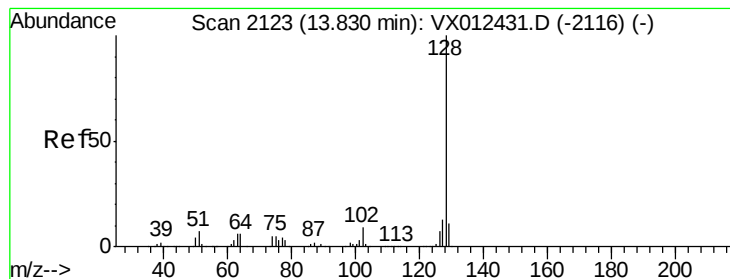
Tgt Ion:180 Resp: 150773
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.0 141.0
 145 34.4 16.8 50.4



#94
 Hexachlorobutadiene
 Concen: 51.679 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012649.D
 Acq: 25 Sep 2019 10:09

Tgt Ion:225 Resp: 66066
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.0 96.2
 227 63.2 31.9 95.5





#95

Naphthalene

Concen: 51.252 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

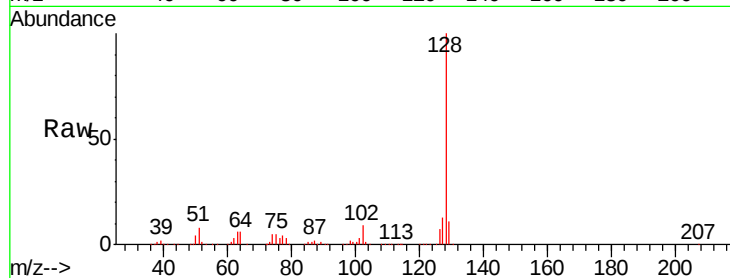
Tgt Ion:128 Resp: 551029

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

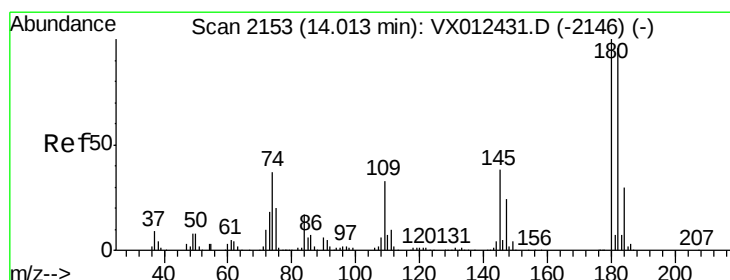
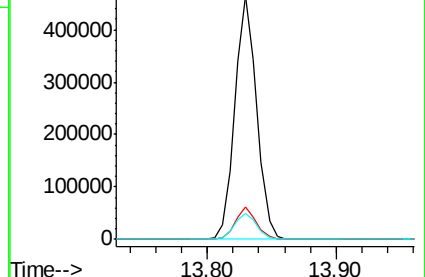
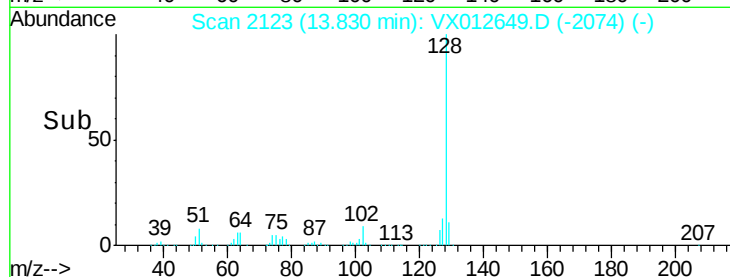
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.801 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012649.D

Acq: 25 Sep 2019 10:09

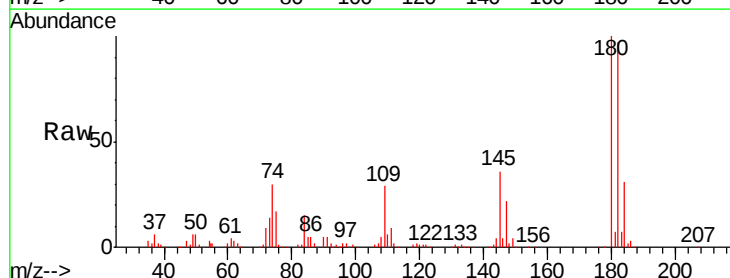
Tgt Ion:180 Resp: 148244

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.3

145 36.6 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

