

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009533.D
 Acq On : 13 May 2019 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 14 03:41:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	132338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113550	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	5.49	113	85212	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.71	98	343117	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.13	95	127625	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76473	45.539	ug/l	99
3) Chloromethane	1.32	50	108644	47.387	ug/l	99
4) Vinyl Chloride	1.41	62	109575	49.012	ug/l	98
5) Bromomethane	1.64	94	67891	50.594	ug/l	98
6) Chloroethane	1.71	64	69496	48.417	ug/l	99
7) Trichlorofluoromethane	1.92	101	139936	51.493	ug/l	100
8) Diethyl Ether	2.18	74	63667	49.459	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87692	51.386	ug/l	98
10) Methyl Iodide	2.51	142	100444	50.597	ug/l	100
11) Tert butyl alcohol	3.05	59	127291	221.052	ug/l	100
12) 1,1-Dichloroethene	2.37	96	86731	50.724	ug/l	98
13) Acrolein	2.29	56	127992	245.430	ug/l	99
14) Allyl chloride	2.73	41	204809	49.151	ug/l	100
15) Acrylonitrile	3.14	53	326900	232.178	ug/l	99
16) Acetone	2.44	43	325027	243.321	ug/l	98
17) Carbon Disulfide	2.57	76	248637	51.793	ug/l	99
18) Methyl Acetate	2.77	43	141493	44.540	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	331862	49.980	ug/l	98
20) Methylene Chloride	2.85	84	103064	47.652	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	94252	50.827	ug/l	97
22) Diisopropyl ether	3.85	45	398451	49.722	ug/l	94
23) Vinyl Acetate	3.81	43	1781016	259.544	ug/l	100
24) 1,1-Dichloroethane	3.69	63	194649	49.238	ug/l	99
25) 2-Butanone	4.67	43	497752	239.790	ug/l	100
26) 2,2-Dichloropropane	4.57	77	154695	52.572	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	111468	50.361	ug/l	98
28) Bromochloromethane	5.01	49	71547	44.668	ug/l	99
29) Tetrahydrofuran	5.12	42	316394	236.864	ug/l	100
30) Chloroform	5.21	83	179730	50.268	ug/l	100
31) Cyclohexane	5.57	56	191645	52.107	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	149950	50.380	ug/l	100
36) 1,1-Dichloropropene	5.79	75	140518	53.832	ug/l	99
37) Ethyl Acetate	4.82	43	183593	50.480	ug/l	99
38) Carbon Tetrachloride	5.78	117	128588	54.219	ug/l	99

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 VSTDCCC050

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	180727	56.377	ug/l	99
40) Benzene	6.13	78	421226	52.142	ug/l	100
41) Methacrylonitrile	5.04	41	106461	49.175	ug/l	99
42) 1,2-Dichloroethane	6.19	62	153132	52.843	ug/l	99
43) Isopropyl Acetate	6.44	43	300298	51.620	ug/l	100
44) Trichloroethene	7.21	130	103760	53.129	ug/l	97
45) 1,2-Dichloropropane	7.51	63	120150	52.525	ug/l	97
46) Dibromomethane	7.66	93	67771	51.019	ug/l	96
47) Bromodichloromethane	7.89	83	141855	53.536	ug/l	96
48) Methyl methacrylate	7.76	41	151241	52.402	ug/l	100
49) 1,4-Dioxane	7.74	88	51048	872.148	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	965856	254.011	ug/l	100
52) Toluene	8.78	92	261828	53.318	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	166785	55.752	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	184491	55.717	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	103173	51.499	ug/l	98
56) Ethyl methacrylate	9.18	69	189500	52.989	ug/l	99
57) 1,3-Dichloropropane	9.37	76	183664	52.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	485332	255.820	ug/l	99
59) 2-Hexanone	9.49	43	768453	257.320	ug/l	100
60) Dibromochloromethane	9.58	129	107260	54.817	ug/l	99
61) 1,2-Dibromoethane	9.67	107	107122	52.970	ug/l	99
64) Tetrachloroethene	9.34	164	95832	55.402	ug/l	98
65) Chlorobenzene	10.13	112	271841	53.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	98729	53.984	ug/l	100
67) Ethyl Benzene	10.25	91	510817	55.022	ug/l	100
68) m/p-Xylenes	10.35	106	377074	111.146	ug/l	98
69) o-Xylene	10.69	106	181661	54.271	ug/l	100
70) Styrene	10.71	104	323782	55.653	ug/l	100
71) Bromoform	10.85	173	83599	56.250	ug/l #	100
73) Isopropylbenzene	11.02	105	491171	51.039	ug/l	99
74) N-amyl acetate	10.90	43	281628	50.196	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	173636	48.400	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	209614	68.283	ug/l	81
77) Bromobenzene	11.25	156	121142	50.717	ug/l	99
78) n-propylbenzene	11.36	91	583944	53.132	ug/l	100
79) 2-Chlorotoluene	11.42	91	340185	50.171	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	426045	52.579	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63204	52.680	ug/l	100
82) 4-Chlorotoluene	11.51	91	398463	52.018	ug/l	100
83) tert-Butylbenzene	11.77	119	410049	52.020	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	426363	52.422	ug/l	99
85) sec-Butylbenzene	11.94	105	495842	53.058	ug/l	100
86) p-Isopropyltoluene	12.06	119	455970	54.273	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	223572	52.505	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	224253	52.238	ug/l	99
89) n-Butylbenzene	12.38	91	430143	56.646	ug/l	100
90) Hexachloroethane	12.59	117	76451	53.413	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	222003	51.188	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38217	47.488	ug/l	98

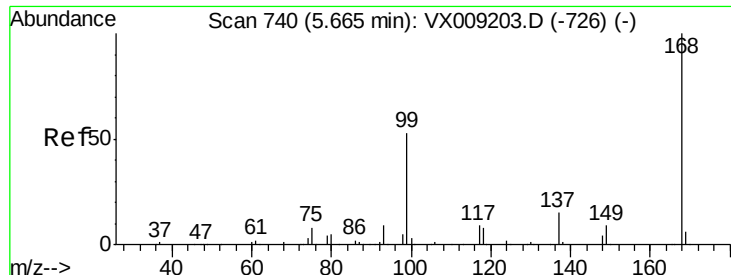
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	163579	55.155	ug/l	99
94) Hexachlorobutadiene	13.78	225	86232	56.937	ug/l	100
95) Naphthalene	13.83	128	490447	50.828	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161267	53.642	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

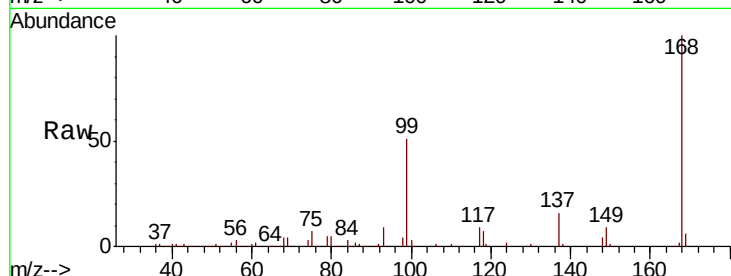
VSTDCCC050

Tot Ion:168 Resp: 182233

Ion Ratio Lower Upper

168 100

99 51.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

40000

20000

0

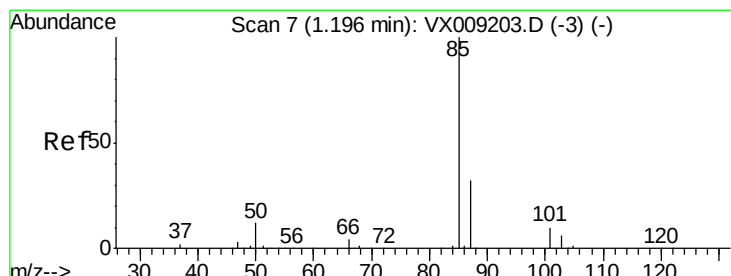
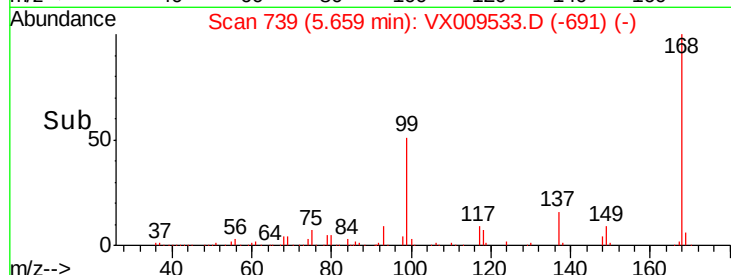
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 45.539 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009533.D

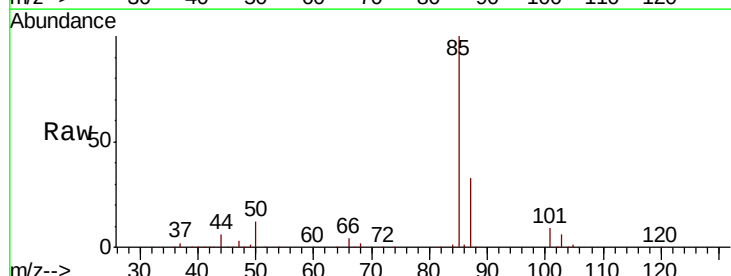
Acq: 13 May 2019 10:34

Tgt Ion: 85 Resp: 76473

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

40000

20000

0

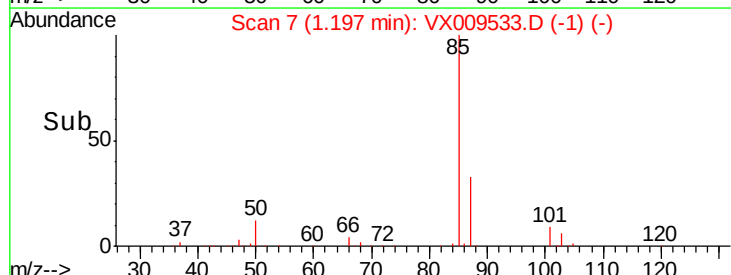
Time-->

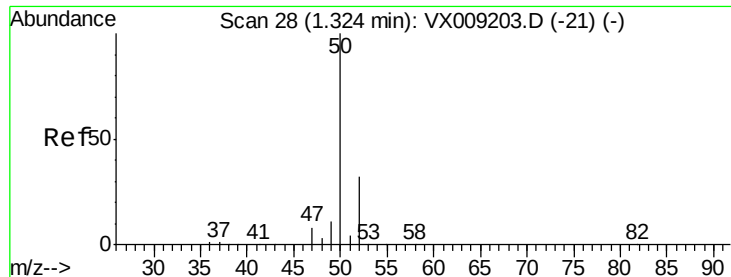
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 47.387 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

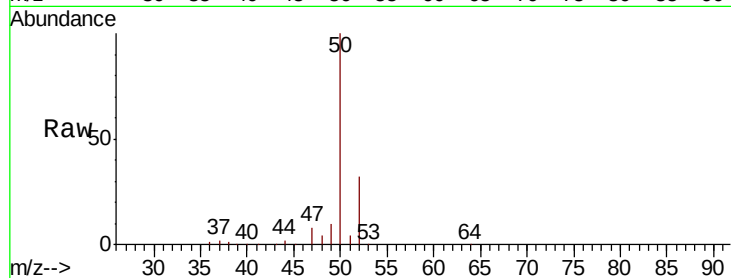
VSTDCCC050

Tot Ion: 50 Resp: 108644

Ion Ratio Lower Upper

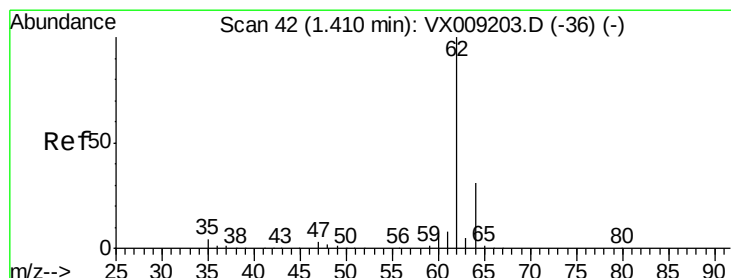
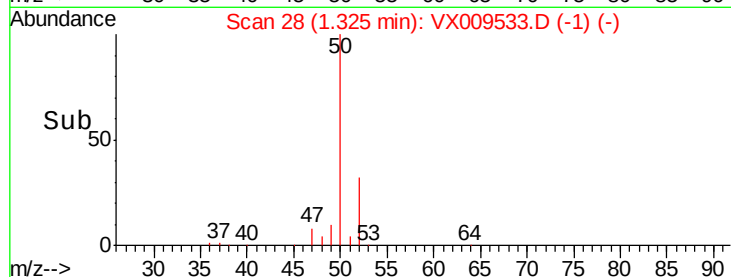
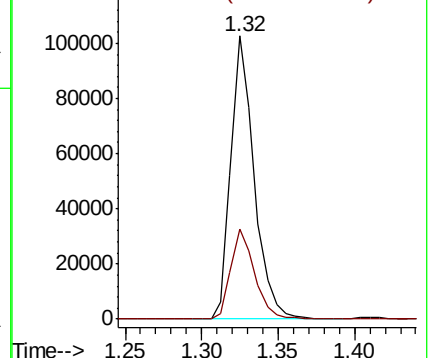
50 100

52 31.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.012 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009533.D

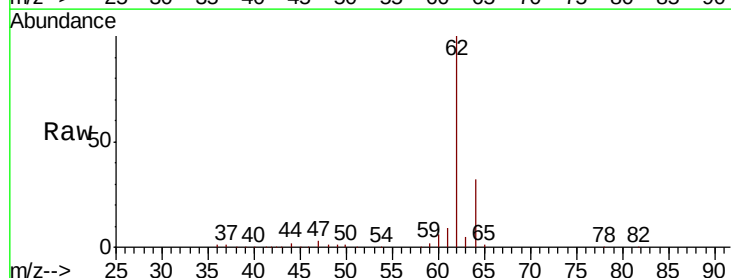
Acq: 13 May 2019 10:34

Tgt Ion: 62 Resp: 109575

Ion Ratio Lower Upper

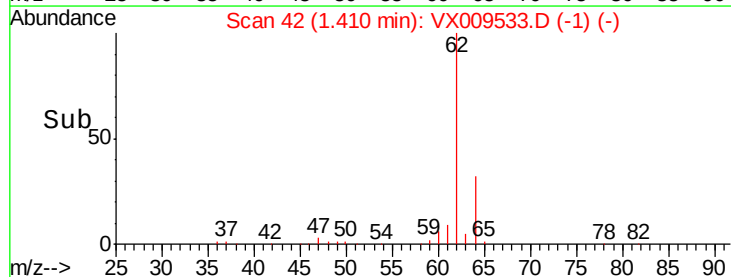
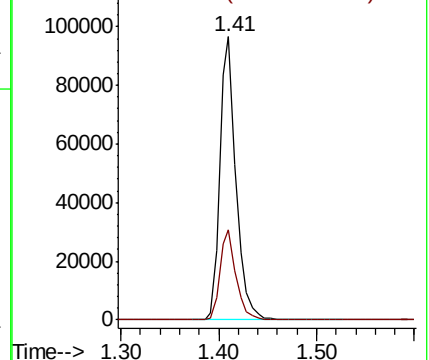
62 100

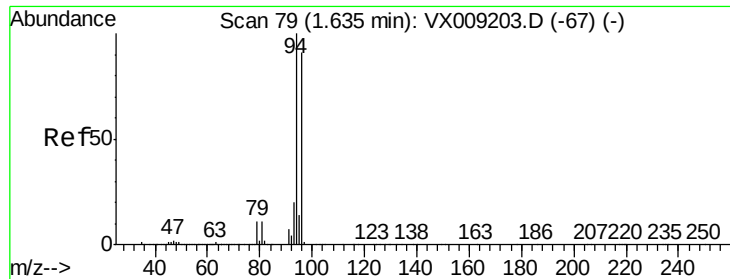
64 32.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.594 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

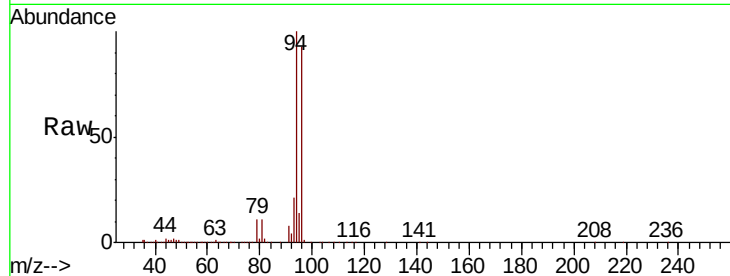
VSTDCCC050

Tot Ion: 94 Resp: 67891

Ion Ratio Lower Upper

94 100

96 93.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

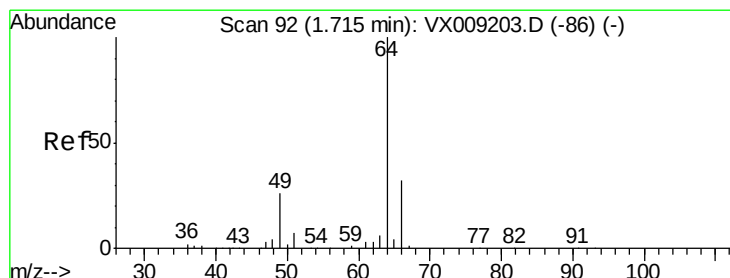
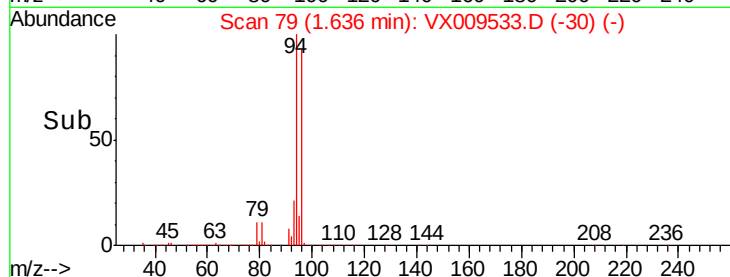
40000

20000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 48.417 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009533.D

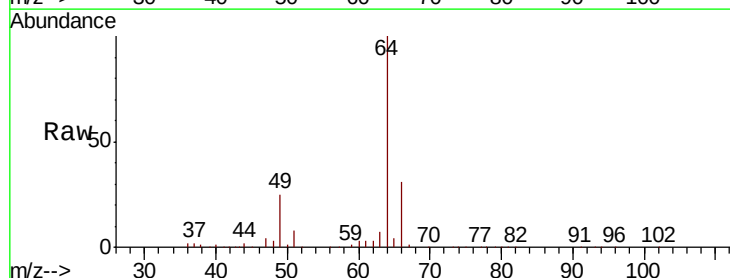
Acq: 13 May 2019 10:34

Tgt Ion: 64 Resp: 69496

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

30000

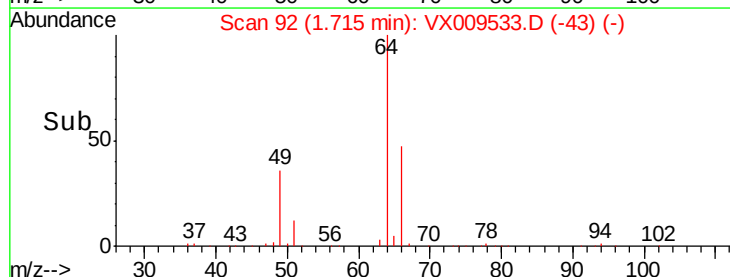
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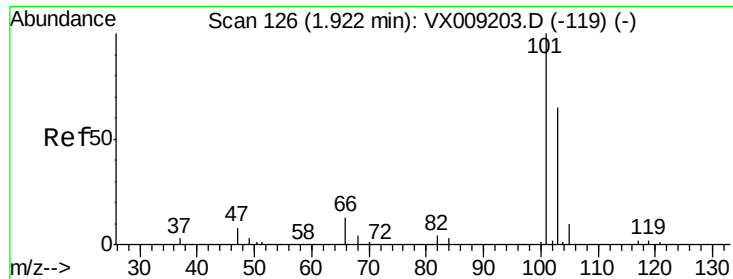
10000

0

Time-->

1.70 1.80



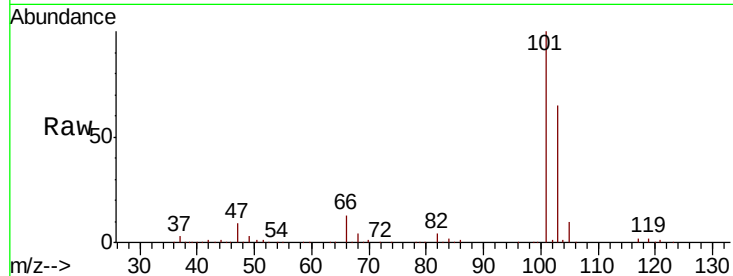


#7

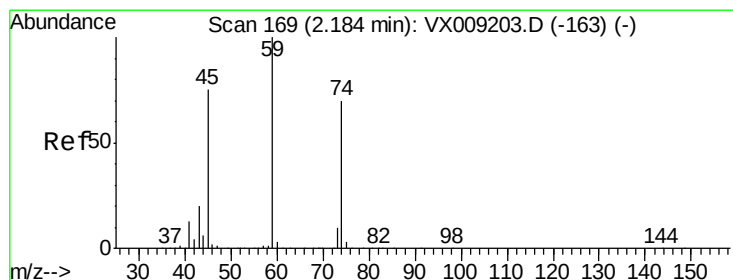
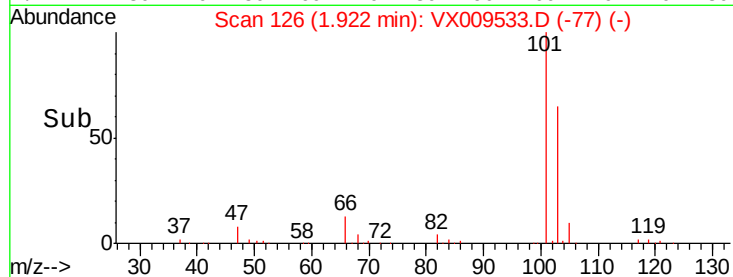
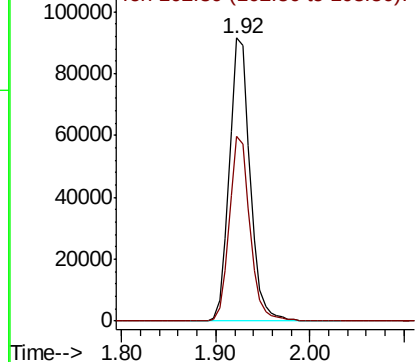
Trichlorofluoromethane
Concen: 51.493 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 139936
Ion Ratio Lower Upper
101 100
103 65.2 52.4 78.6



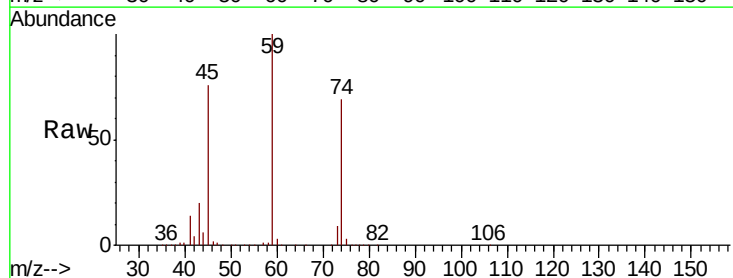
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



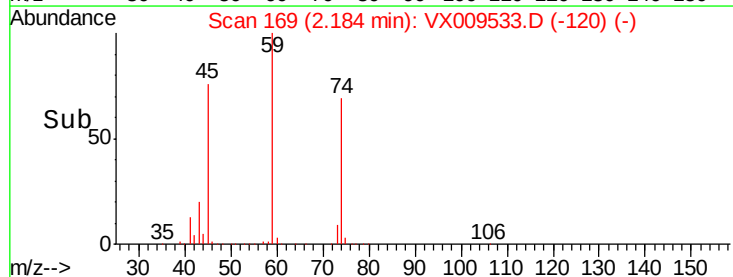
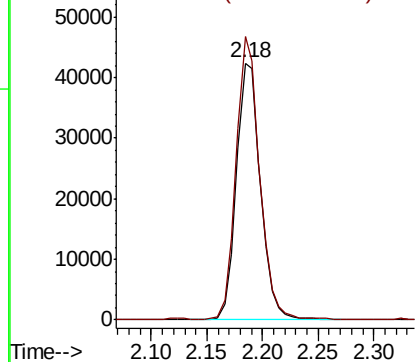
#8

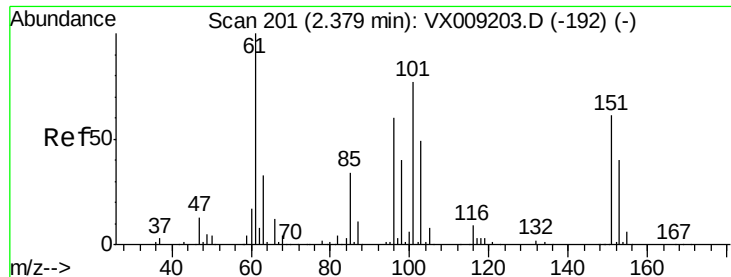
Diethyl Ether
Concen: 49.459 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 74 Resp: 63667
Ion Ratio Lower Upper
74 100
45 106.5 53.3 159.9



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.386 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

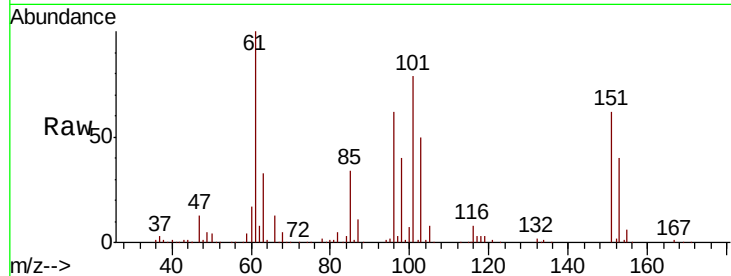
Tot Ion:101 Resp: 87692

Ion Ratio Lower Upper

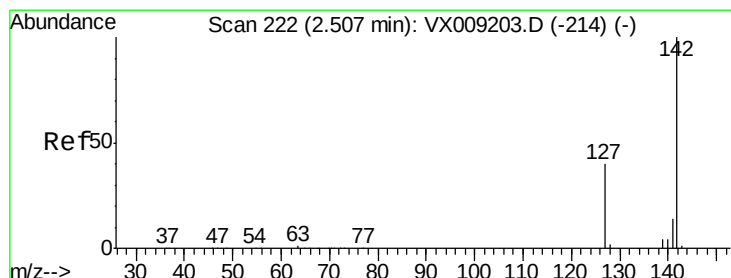
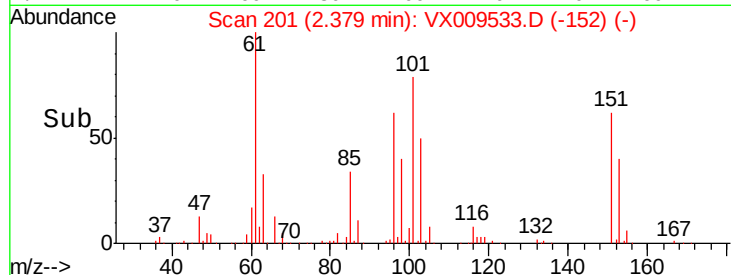
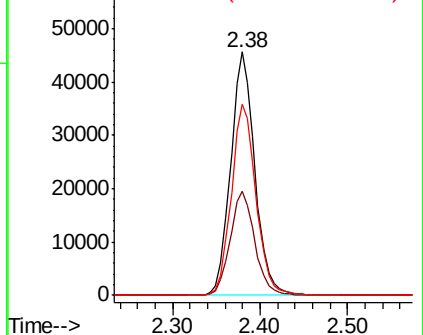
101 100

85 43.5 35.7 53.5

151 79.8 62.2 93.2



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: 50.597 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

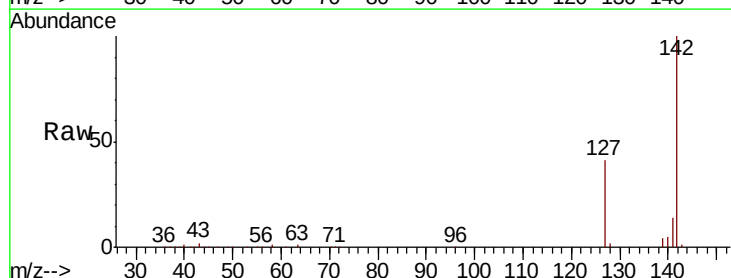
Tgt Ion:142 Resp: 100444

Ion Ratio Lower Upper

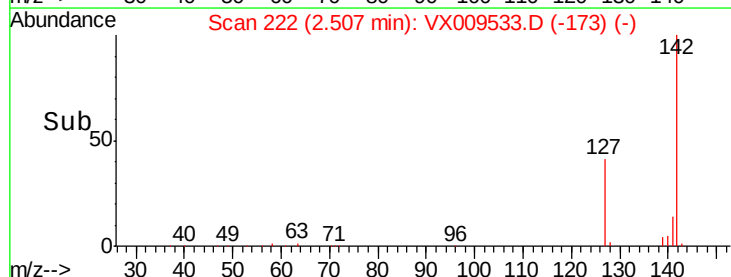
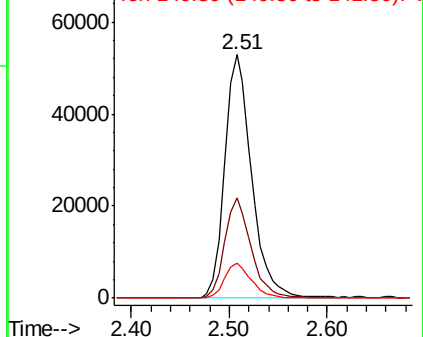
142 100

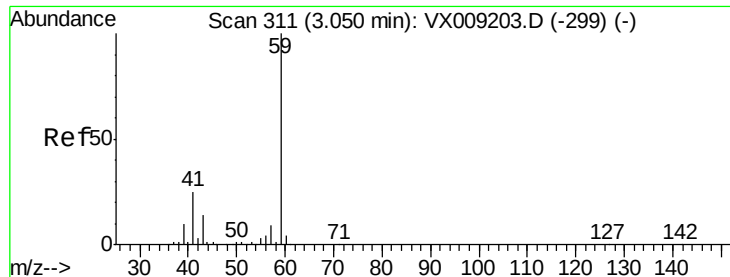
127 40.8 32.7 49.1

141 14.5 11.5 17.3



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

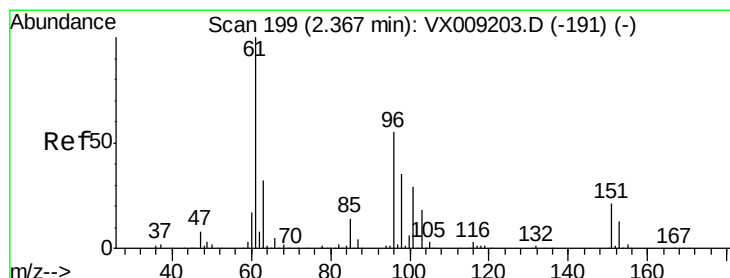
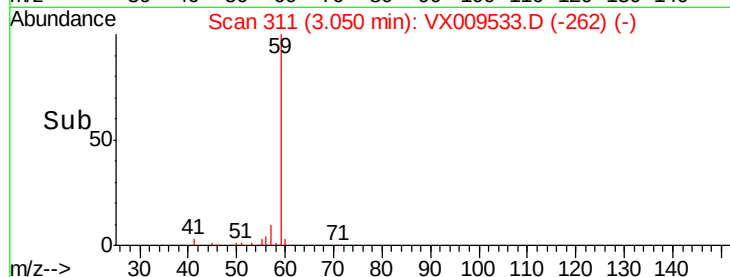
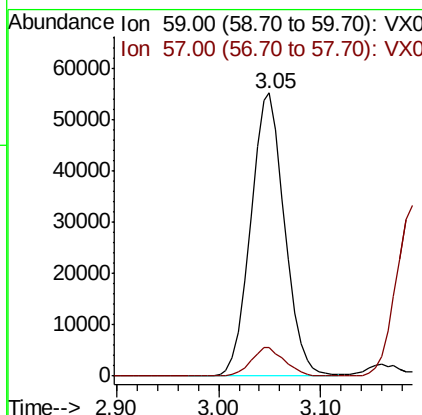
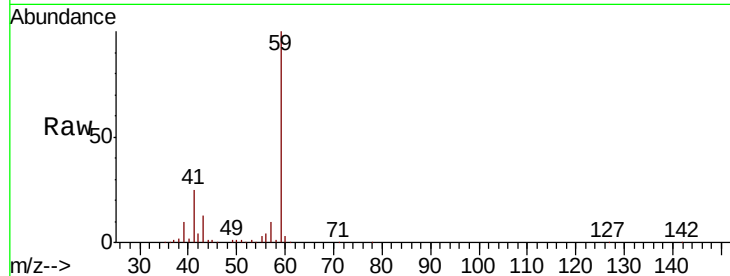




#11
Tert butyl alcohol
Concen: 221.052 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

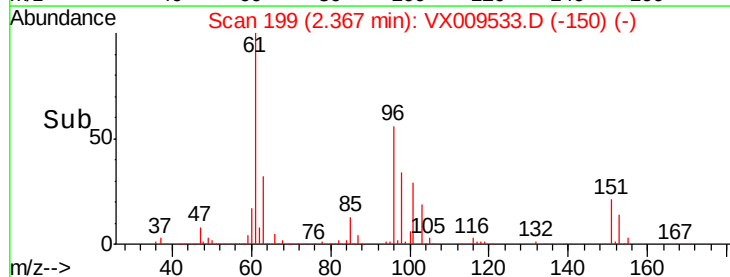
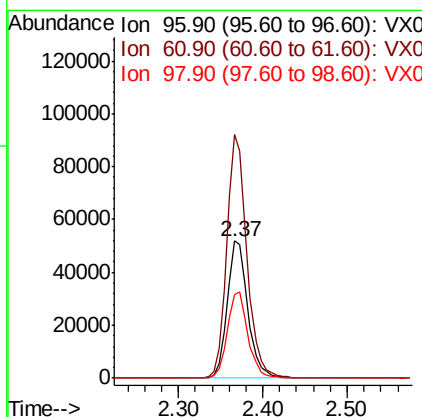
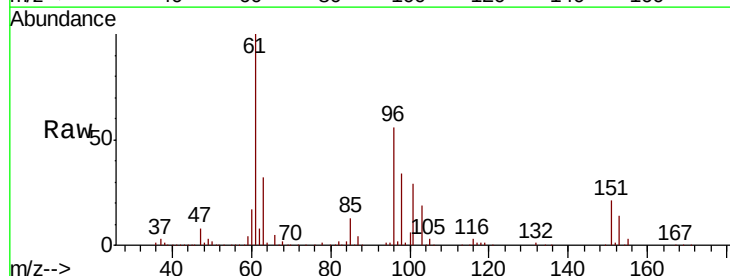
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

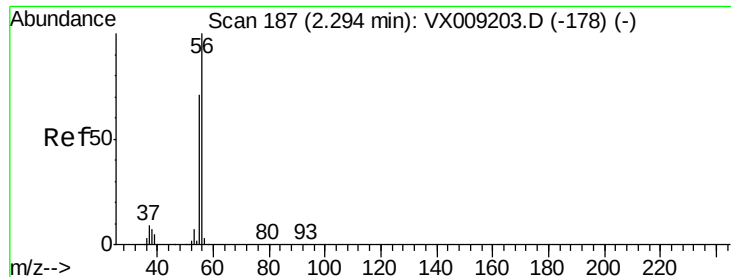
Tot Ion: 59 Resp: 127291
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.724 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 96 Resp: 86731
Ion Ratio Lower Upper
96 100
61 177.8 144.3 216.5
98 61.4 50.3 75.5





#13

Acrolein

Concen: 245.430 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

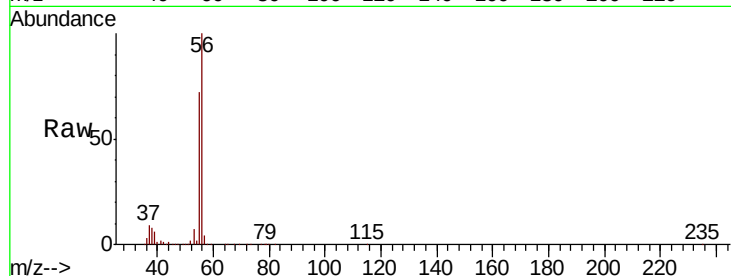
VSTDCCC050

Tot Ion: 56 Resp: 127992

Ion Ratio Lower Upper

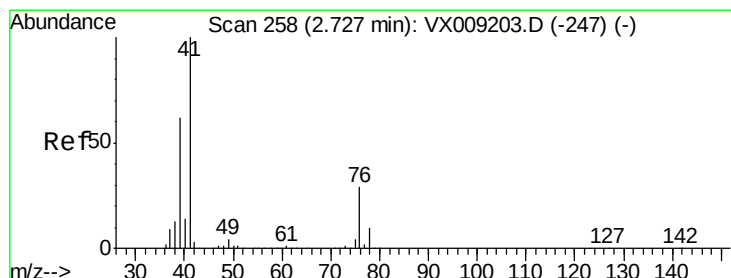
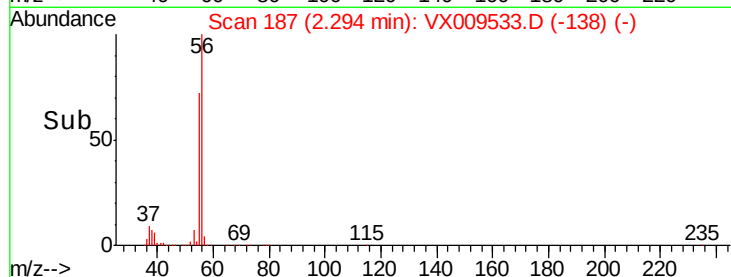
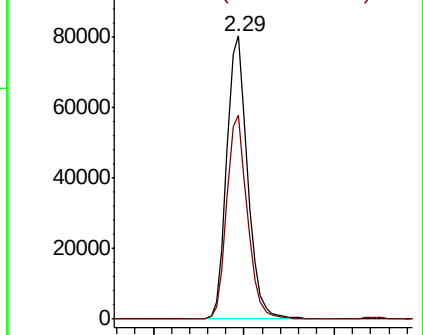
56 100

55 71.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.151 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

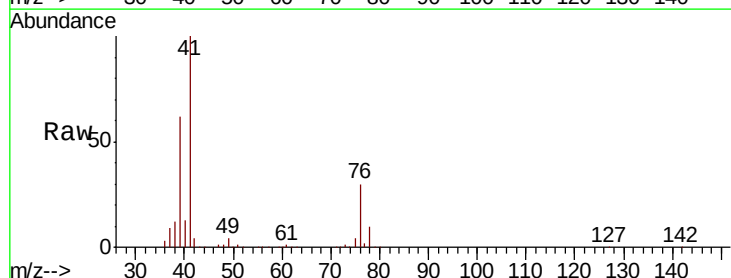
Tgt Ion: 41 Resp: 204809

Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

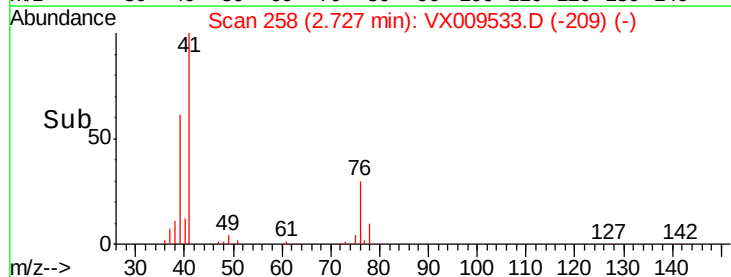
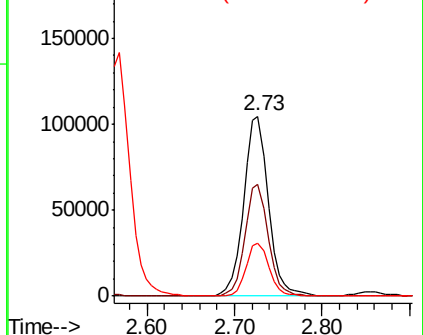
76 27.4 21.8 32.8

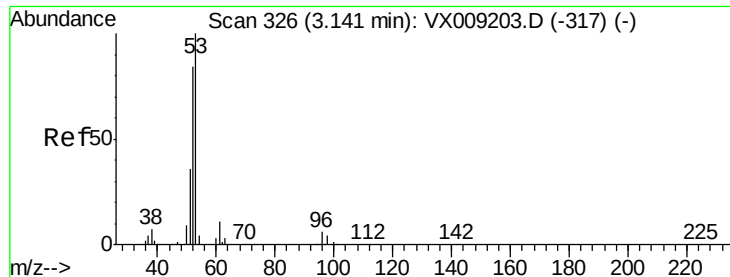


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 232.178 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

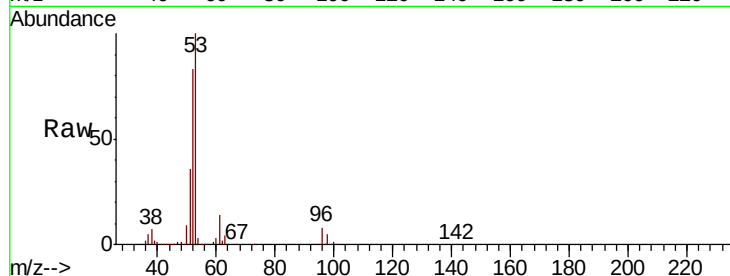
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 326900

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.9	100.3
51	36.1	28.2	42.2

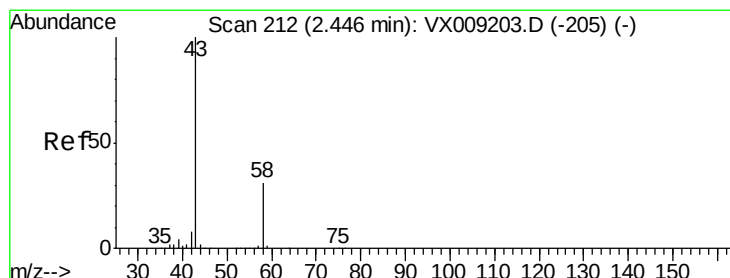
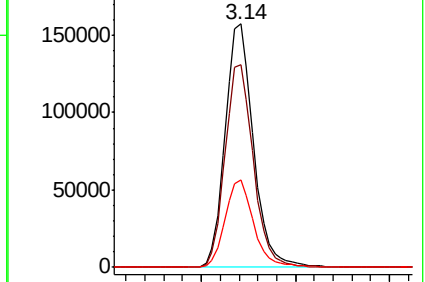
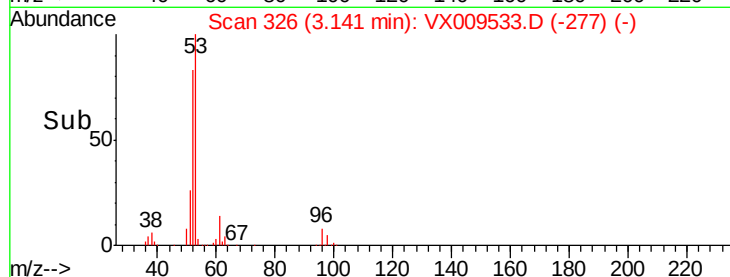


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 243.321 ug/l

RT: 2.44 min Scan# 211

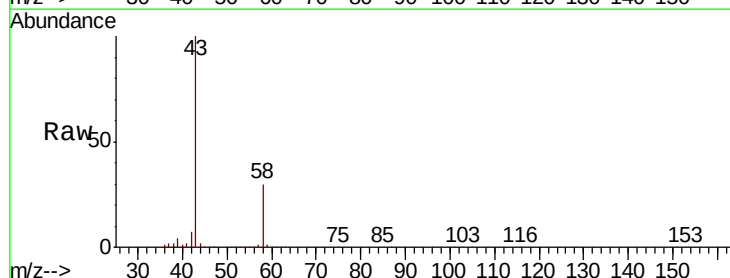
Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Tgt Ion: 43 Resp: 325027

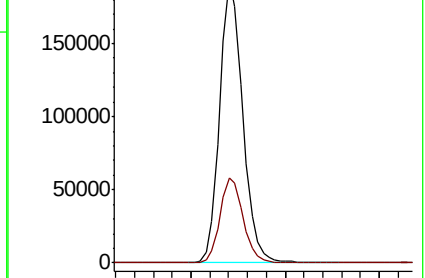
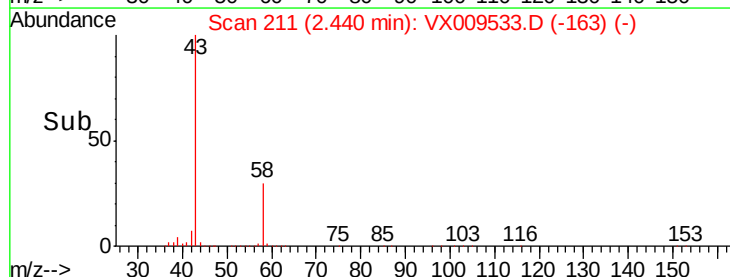
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.9	37.3

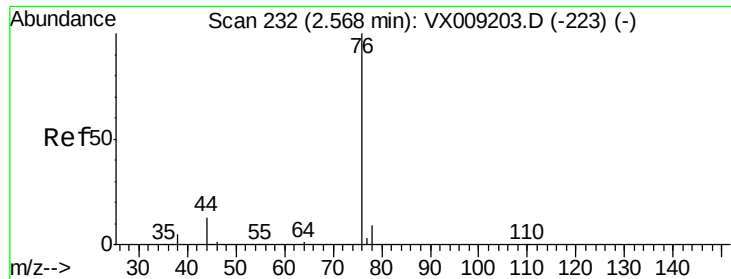


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 51.793 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

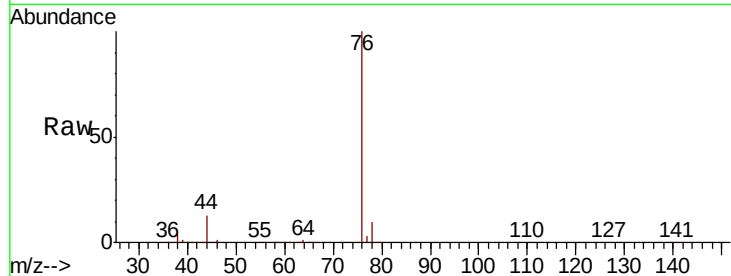
VSTDCCC050

Tot Ion: 76 Resp: 248637

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

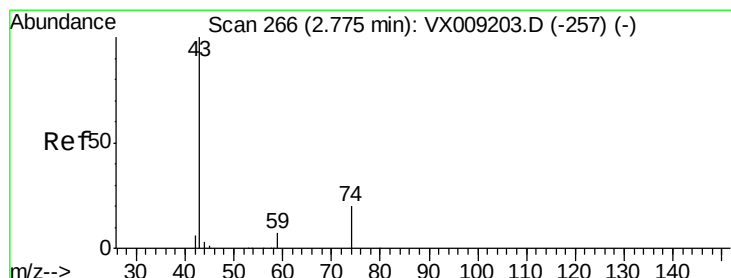
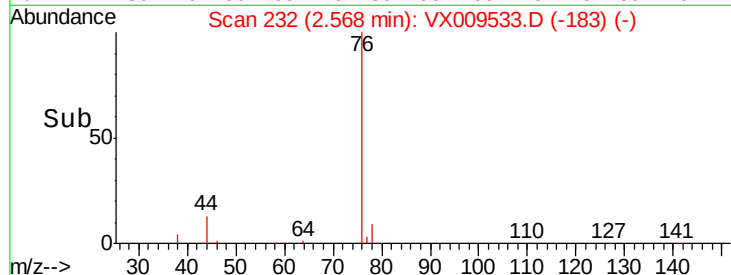
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 44.540 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009533.D

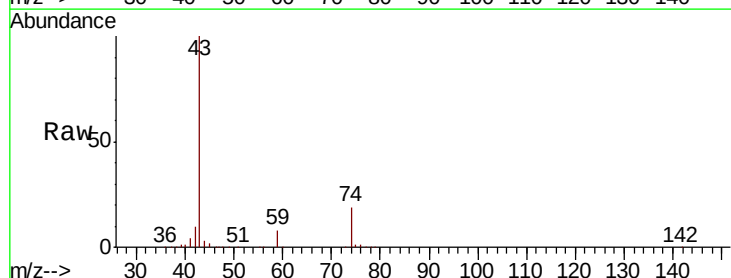
Acq: 13 May 2019 10:34

Tgt Ion: 43 Resp: 141493

Ion Ratio Lower Upper

43 100

74 20.2 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

60000

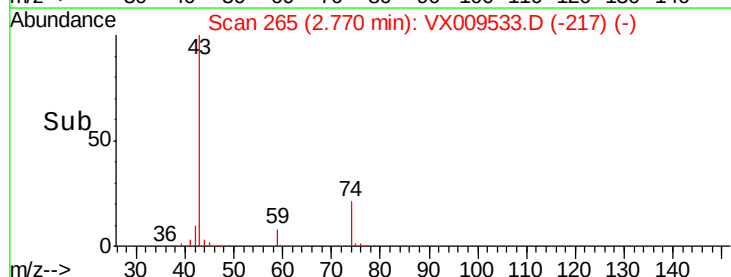
40000

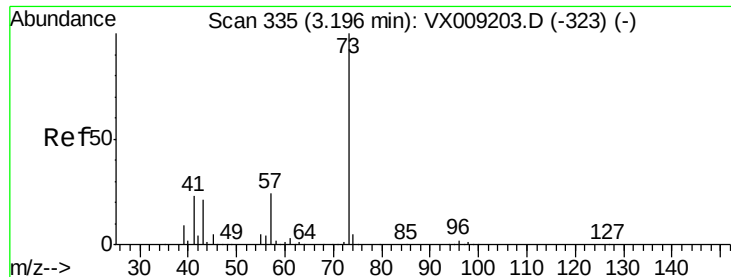
20000

0

Time-->

2.70 2.80 2.90

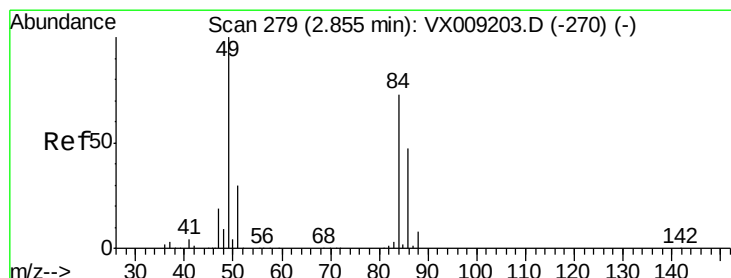
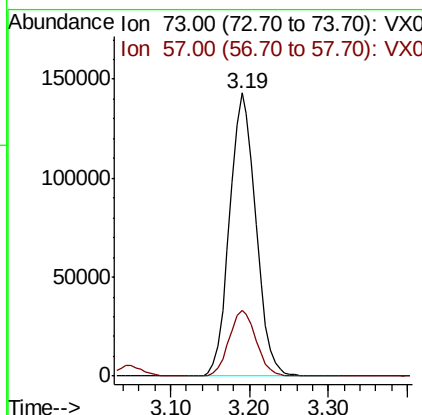
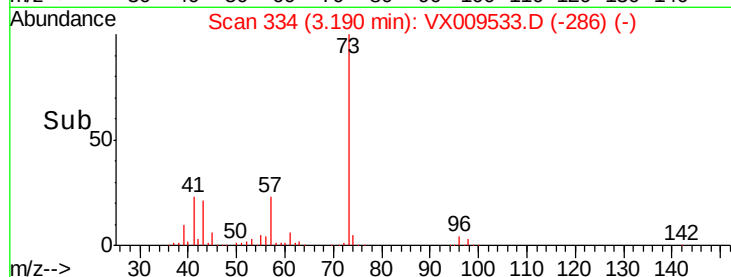
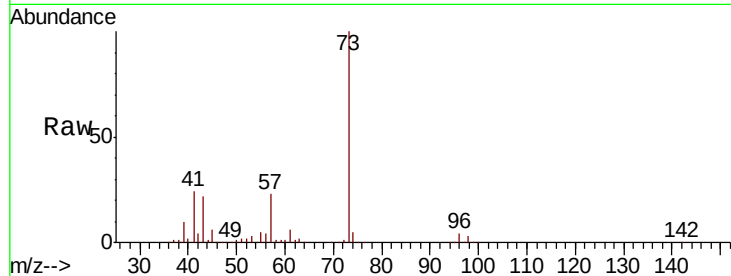




#19
Methyl tert-butyl Ether
Concen: 49.980 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

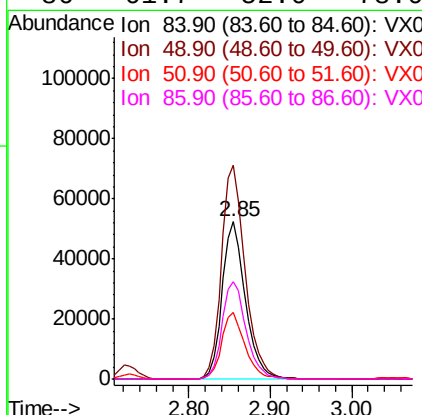
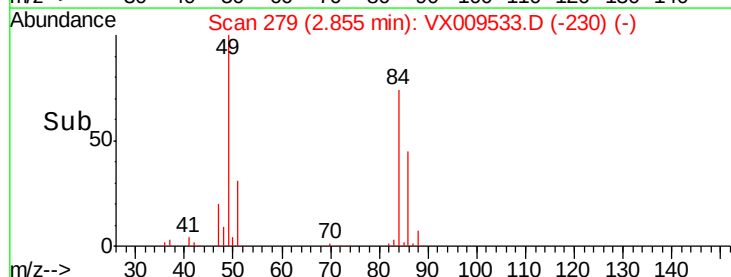
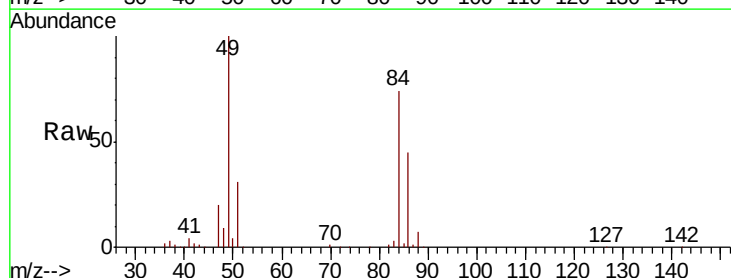
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

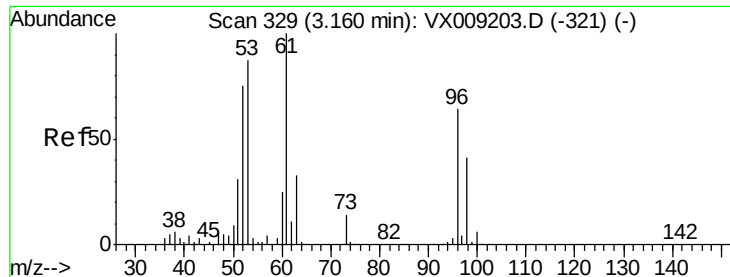
Tot Ion: 73 Resp: 331862
Ion Ratio Lower Upper
73 100
57 23.3 19.3 28.9



#20
Methylene Chloride
Concen: 47.652 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 84 Resp: 103064
Ion Ratio Lower Upper
84 100
49 135.6 109.9 164.9
51 42.5 32.7 49.1
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.827 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

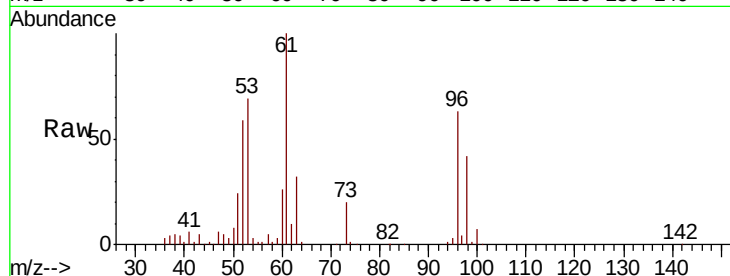
Tot Ion: 96 Resp: 94252

Ion Ratio Lower Upper

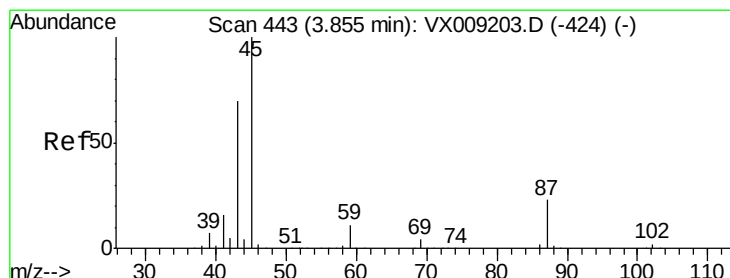
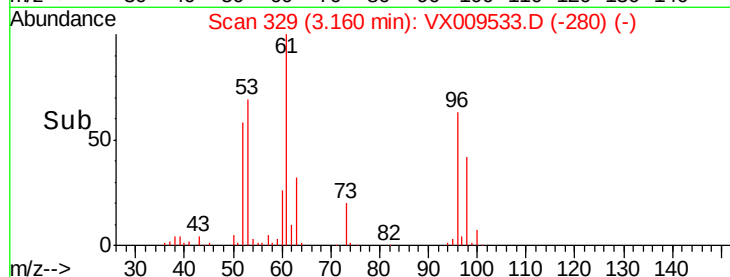
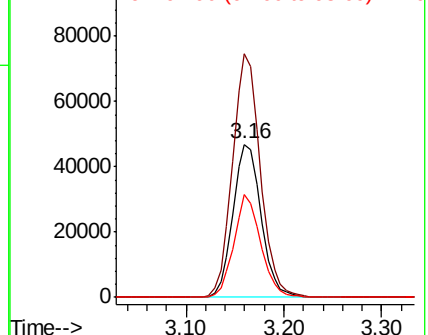
96 100

61 158.9 124.5 186.7

98 66.7 50.4 75.6



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



#22

Diisopropyl ether

Concen: 49.722 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Tgt Ion: 45 Resp: 398451

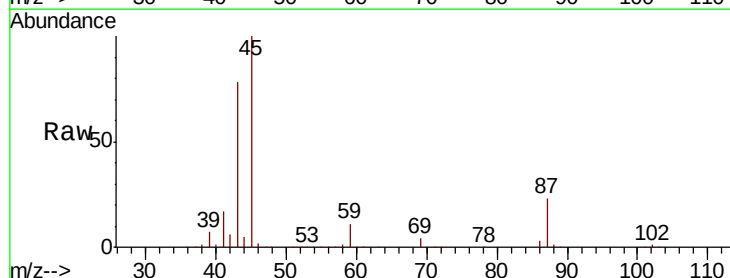
Ion Ratio Lower Upper

45 100

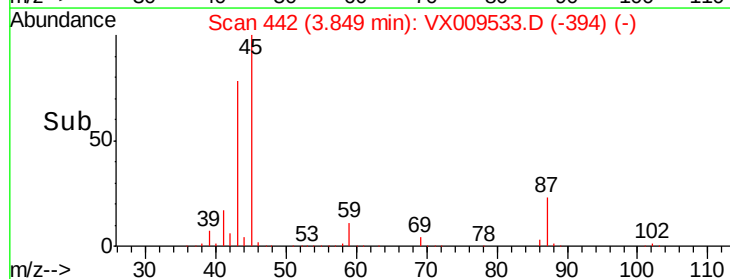
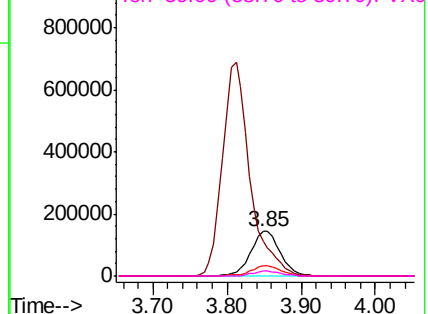
43 77.7 56.1 84.1

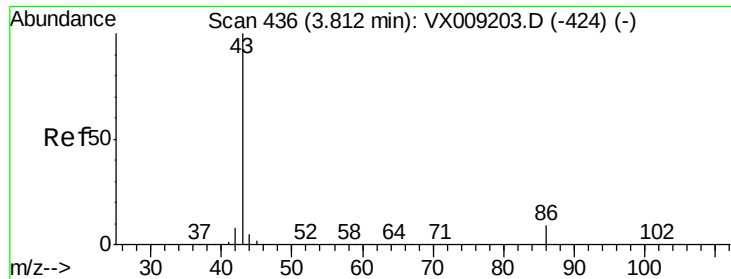
87 22.7 18.1 27.1

59 11.1 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: 259.544 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

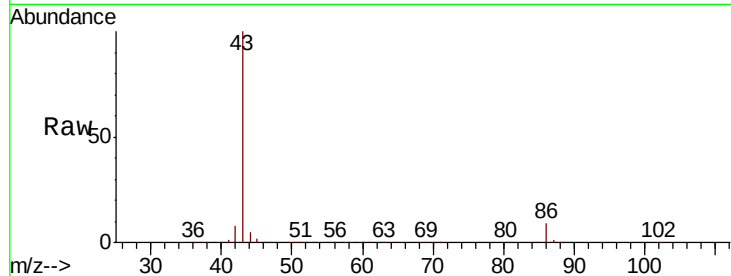
VSTDCCC050

Tot Ion: 43 Resp: 1781016

Ion Ratio Lower Upper

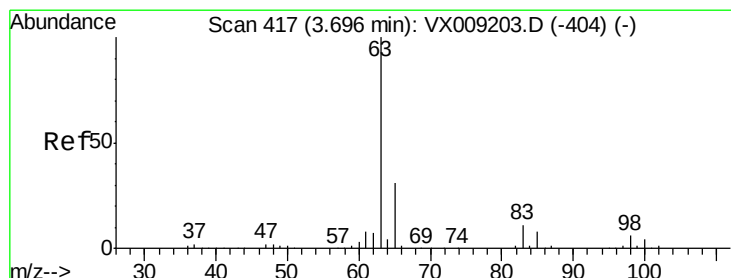
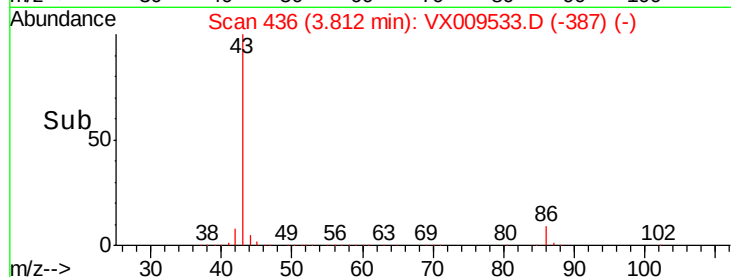
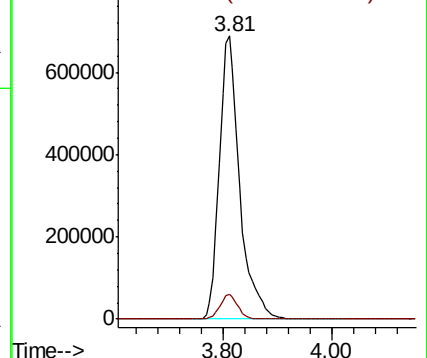
43 100

86 8.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.238 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

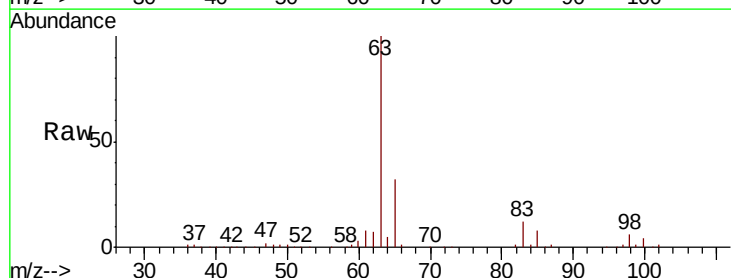
Tgt Ion: 63 Resp: 194649

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

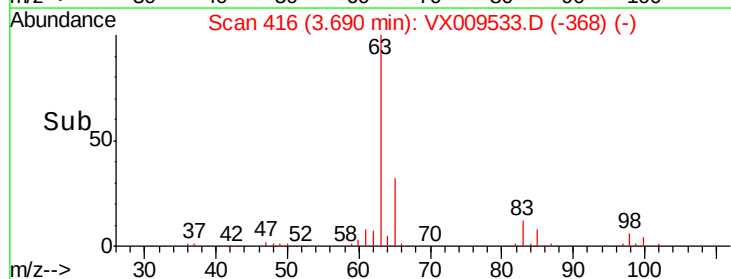
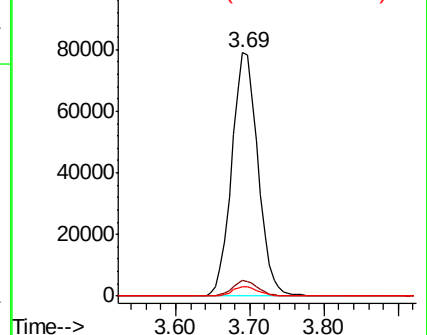
100 3.6 2.0 6.0

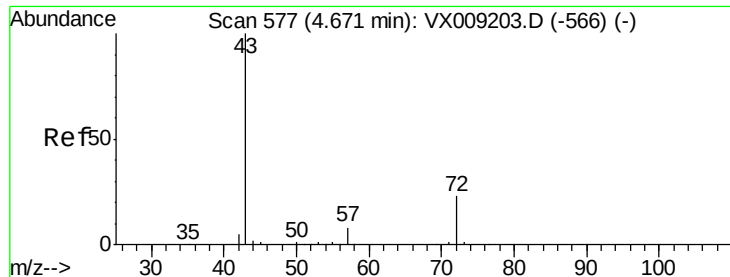


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 239.790 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

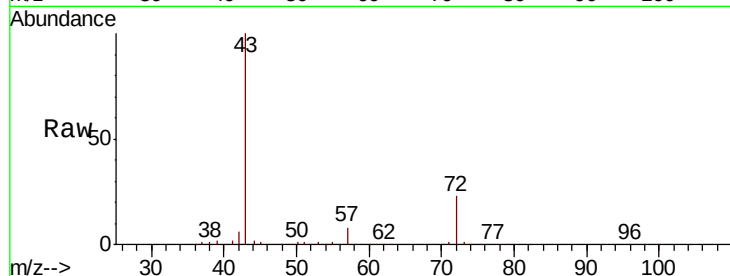
VSTDCCC050

Tot Ion: 43 Resp: 497752

Ion Ratio Lower Upper

43 100

72 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX009533.D (-528) (-)

Ion 72.00 (71.70 to 72.70): VX009533.D (-528) (-)

200000

150000

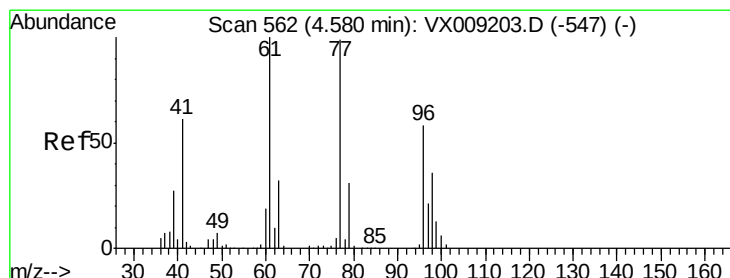
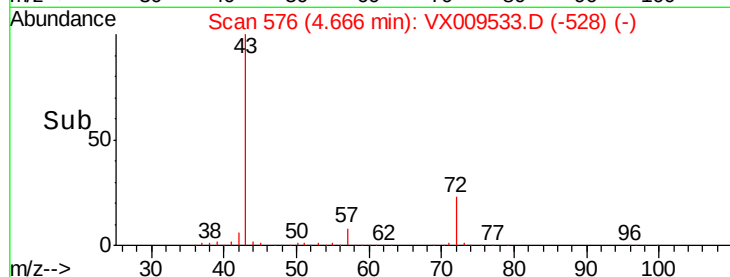
100000

50000

0

4.60 4.65 4.70 4.75 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 52.572 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009533.D

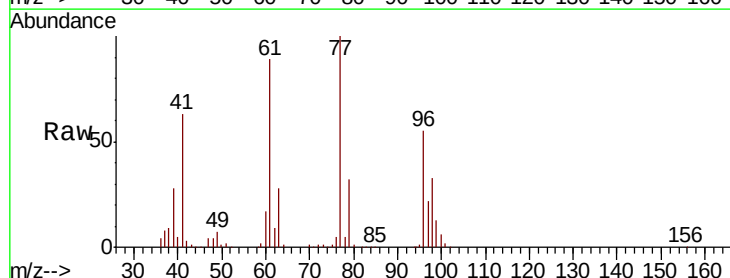
Acq: 13 May 2019 10:34

Tgt Ion: 77 Resp: 154695

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX009533.D (-513) (-)

Ion 96.90 (96.60 to 97.60): VX009533.D (-513) (-)

50000

40000

30000

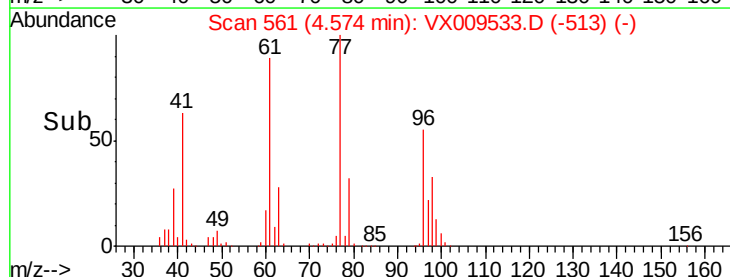
20000

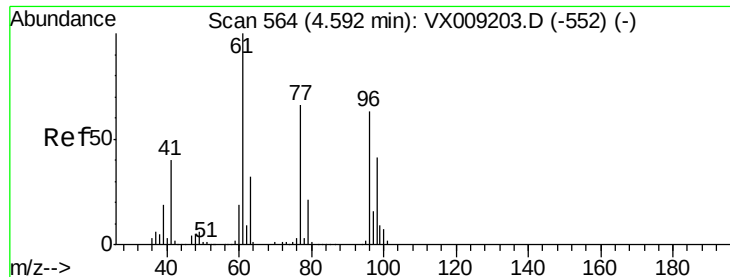
10000

0

4.40 4.50 4.60 4.70

Time-->



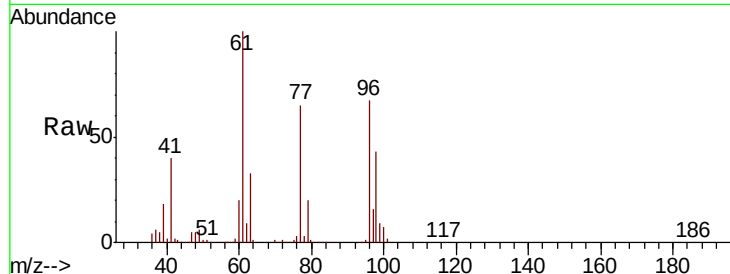


#27

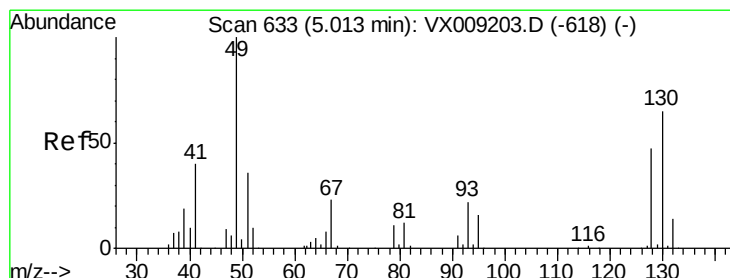
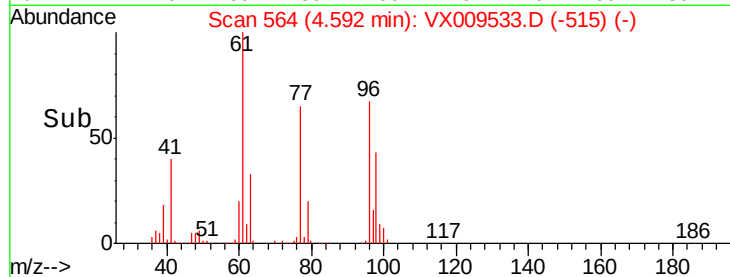
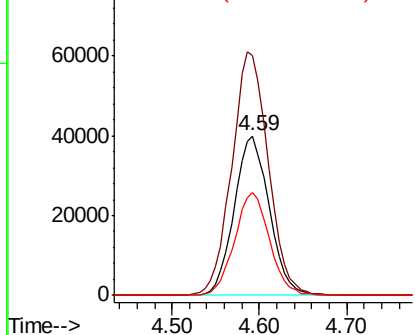
cis-1,2-Dichloroethene
 Concen: 50.361 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 111468
 Ion Ratio Lower Upper
 96 100
 61 159.1 0.0 324.0
 98 64.3 0.0 130.4



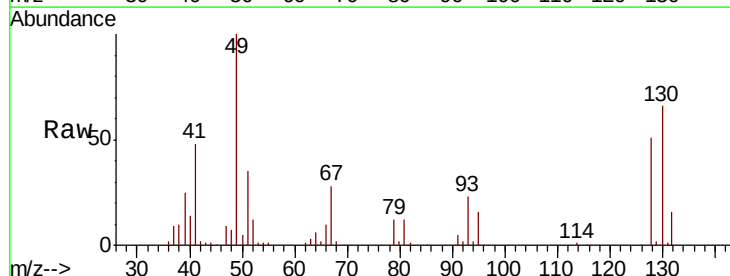
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



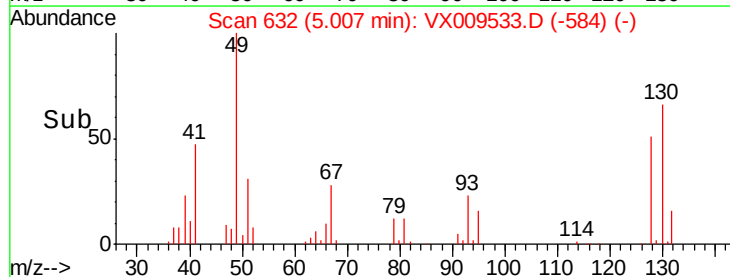
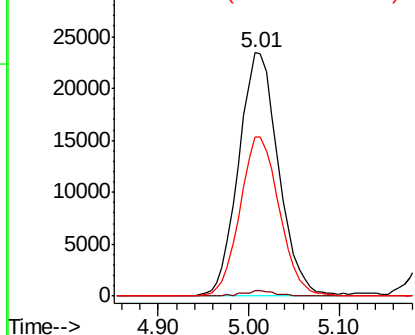
#28

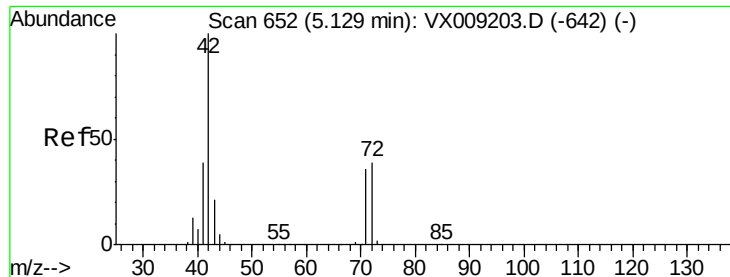
Bromochloromethane
 Concen: 44.668 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 49 Resp: 71547
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 64.8 51.2 76.8



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

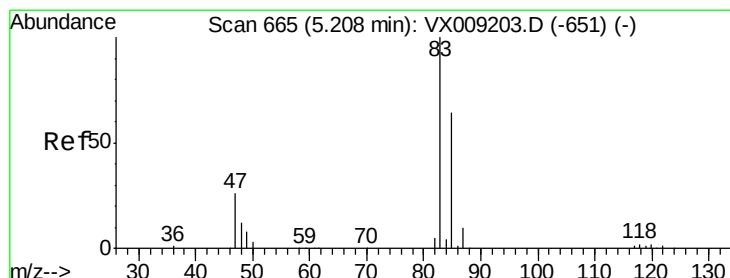
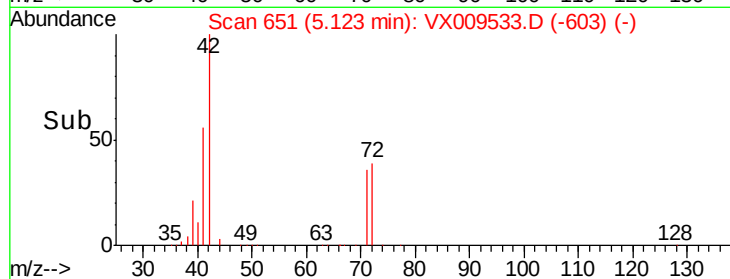
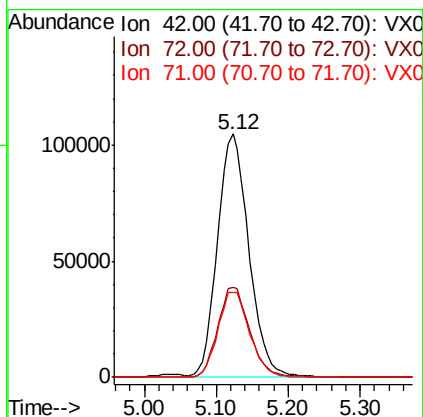
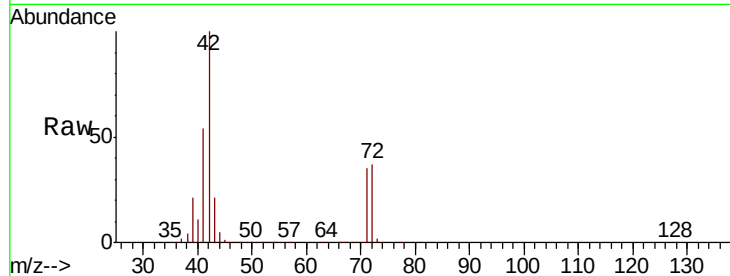




#29
Tetrahydrofuran
Concen: 236.864 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

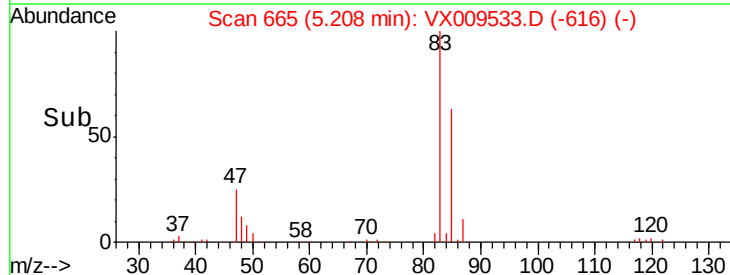
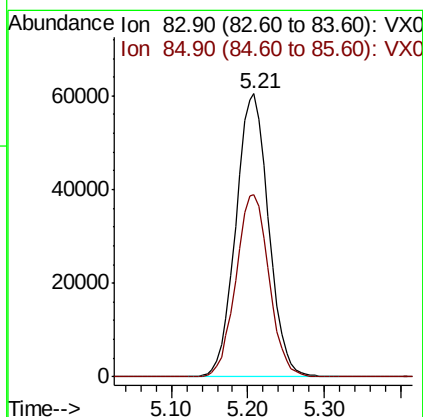
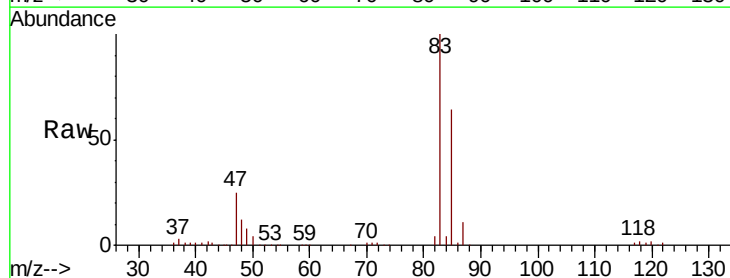
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

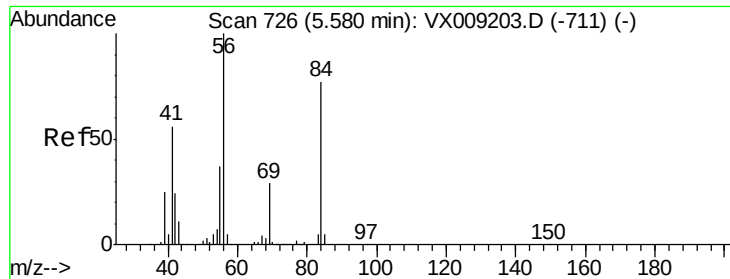
Tot Ion: 42 Resp: 316394
Ion Ratio Lower Upper
42 100
72 37.8 30.4 45.6
71 35.7 28.6 43.0



#30
Chloroform
Concen: 50.268 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 83 Resp: 179730
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3

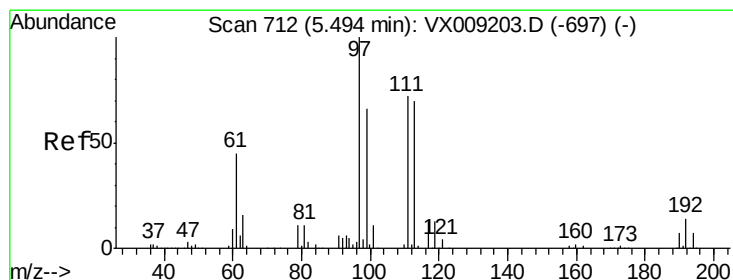
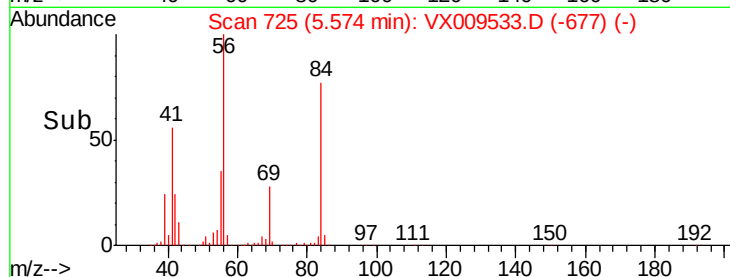
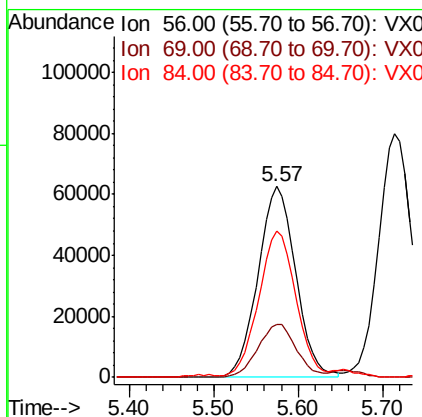
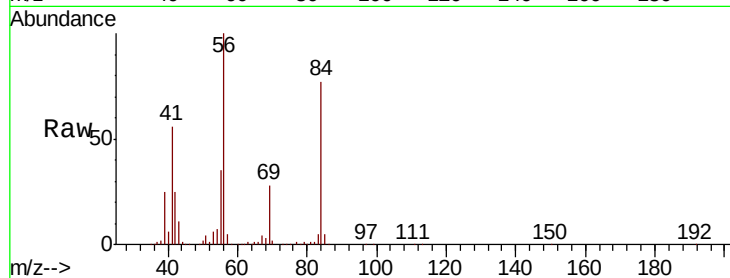




#31
Cyclohexane
Concen: 52.107 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

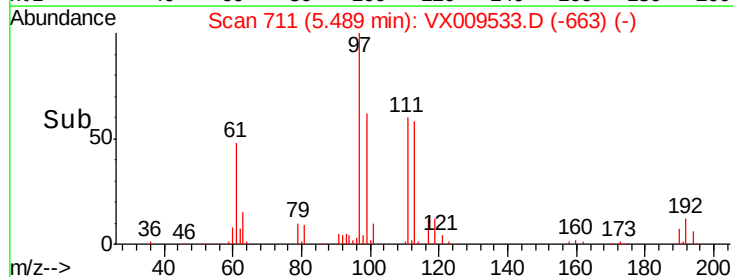
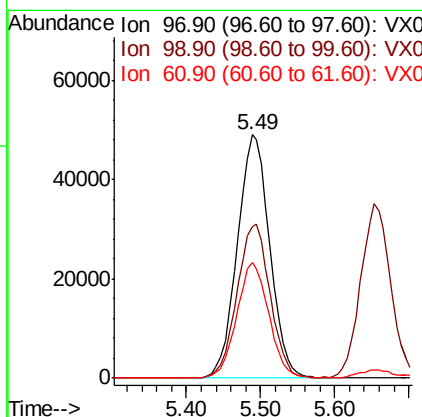
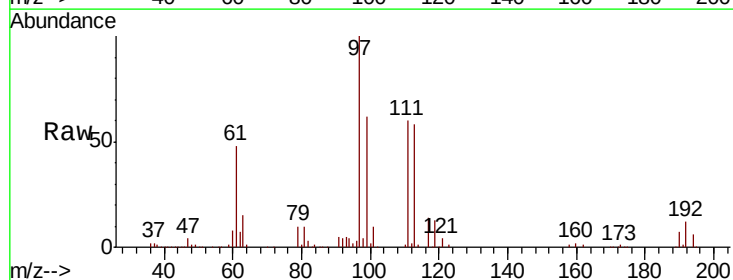
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

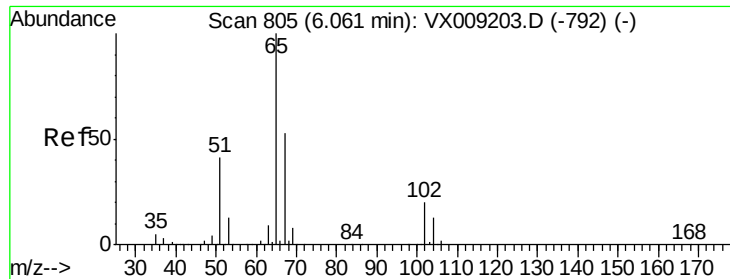
Tot Ion: 56 Resp: 191645
Ion Ratio Lower Upper
56 100
69 27.7 23.4 35.0
84 76.4 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 50.380 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 97 Resp: 149950
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 47.0 37.8 56.8

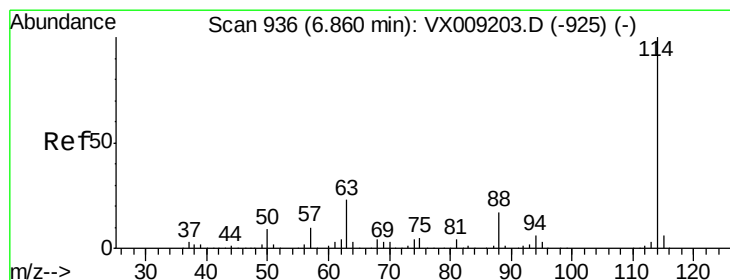
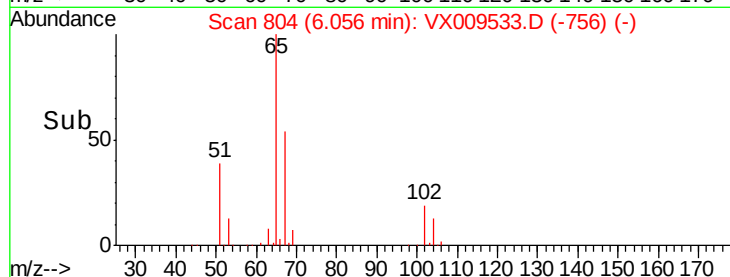
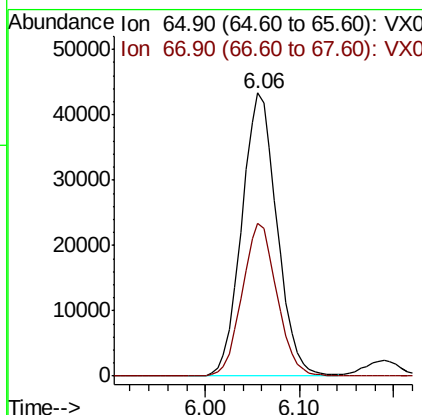
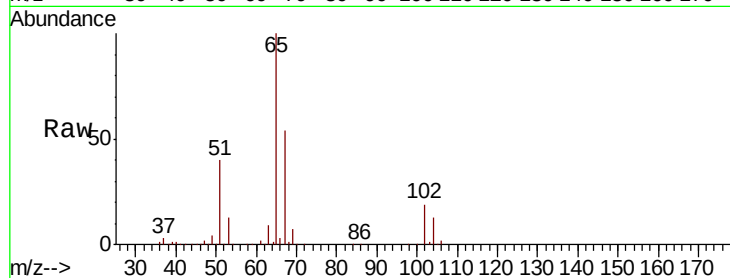




#33
 1,2-Dichloroethane-d4
 Concen: 45.645 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

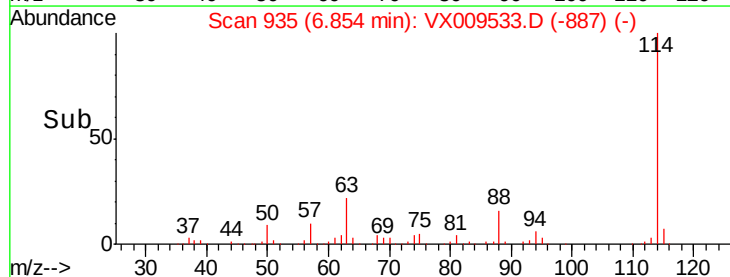
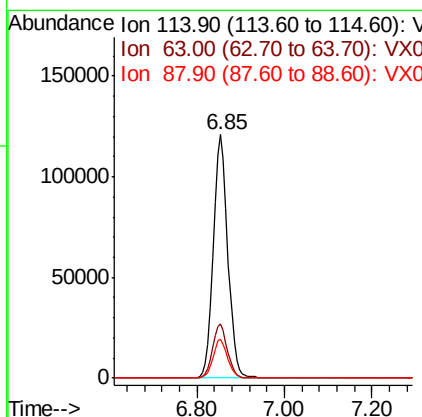
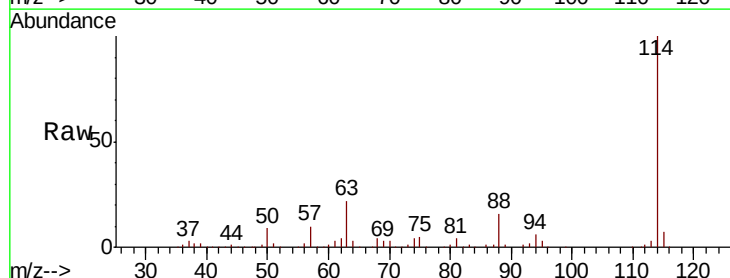
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

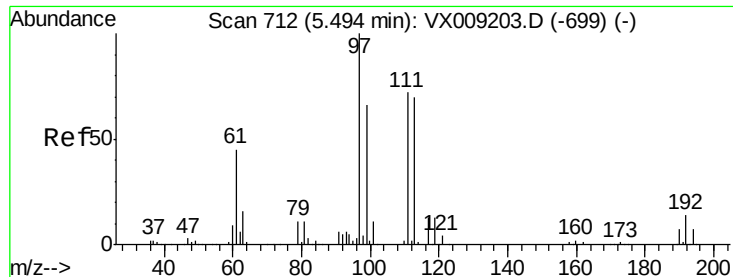
Tot Ion: 65 Resp: 113550
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 114 Resp: 280885
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.6
 88 16.2 0.0 33.2

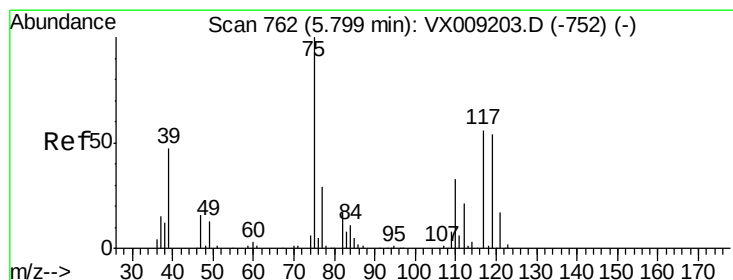
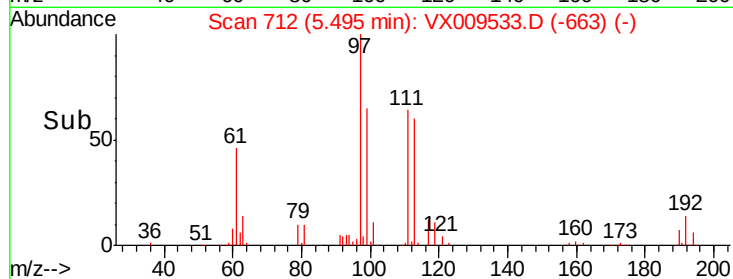
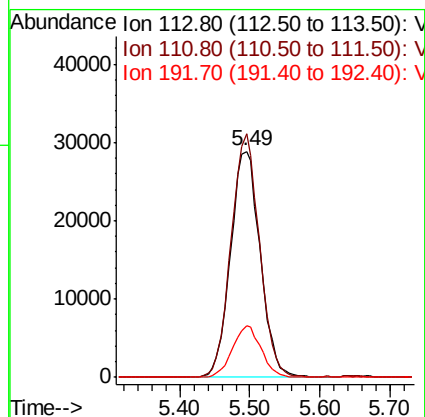
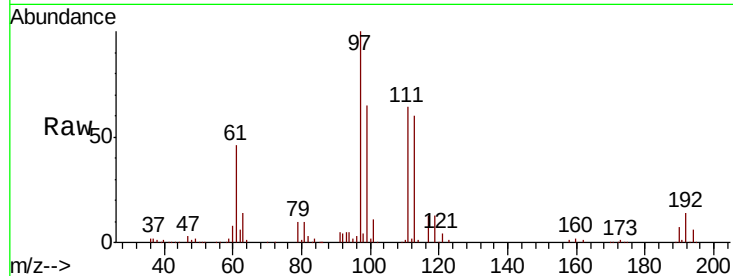




#35
 Dibromofluoromethane
 Concen: 48.258 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

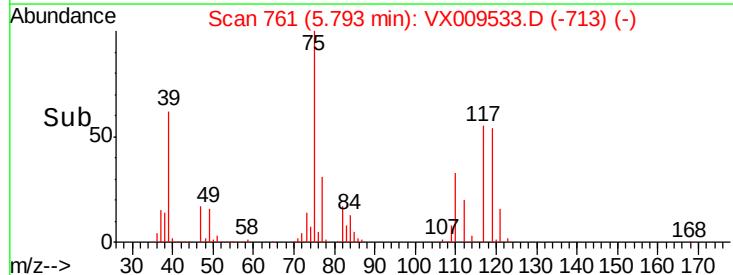
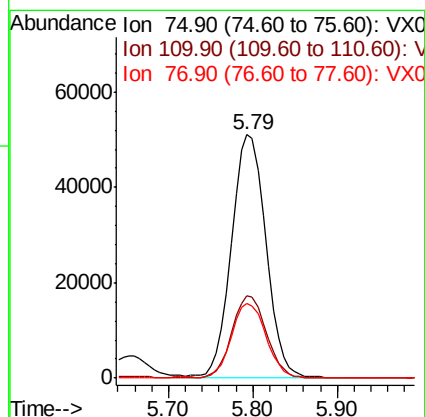
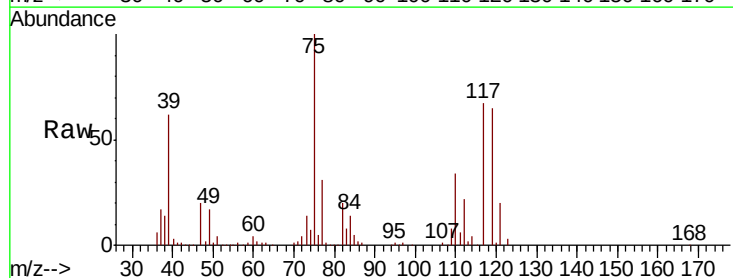
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

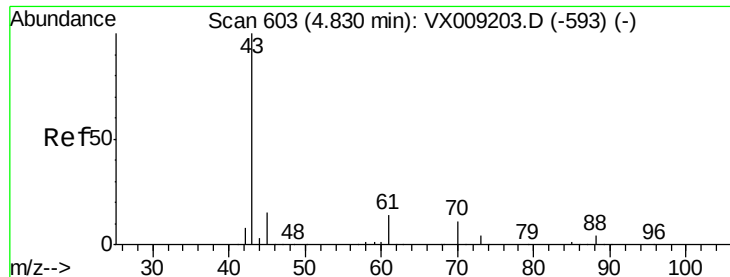
Tot Ion:113 Resp: 85212
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 53.832 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 75 Resp: 140518
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.9 50.6
 77 31.3 24.8 37.2





#37

Ethyl Acetate

Concen: 50.480 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

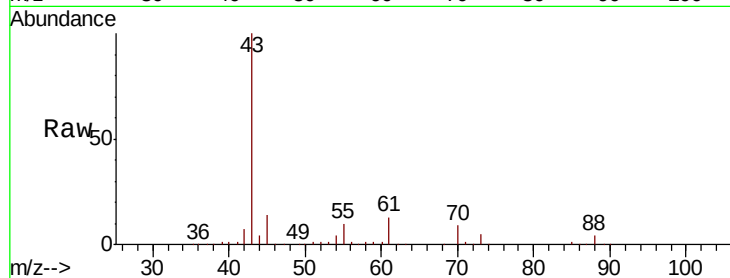
Tot Ion: 43 Resp: 183593

Ion Ratio Lower Upper

43 100

61 13.4 10.5 15.7

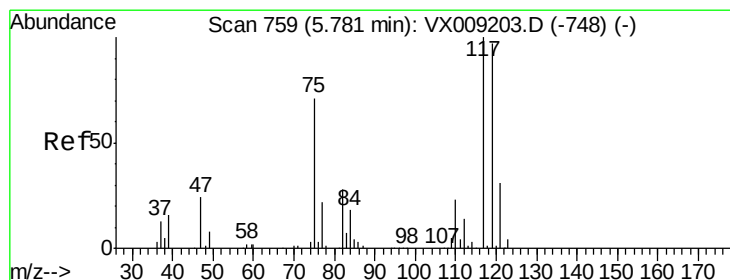
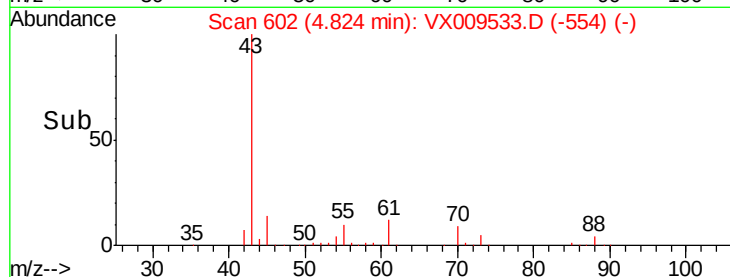
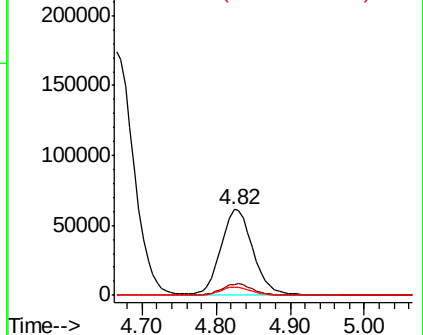
70 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 54.219 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

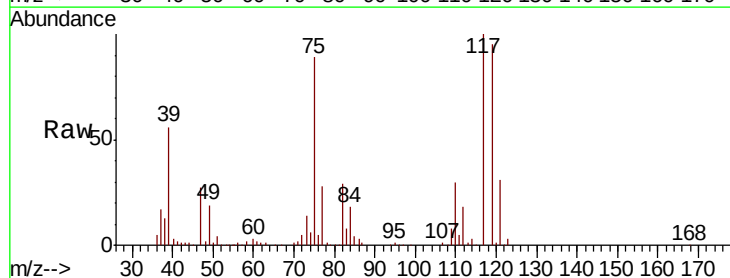
Tgt Ion: 117 Resp: 128588

Ion Ratio Lower Upper

117 100

119 95.4 77.5 116.3

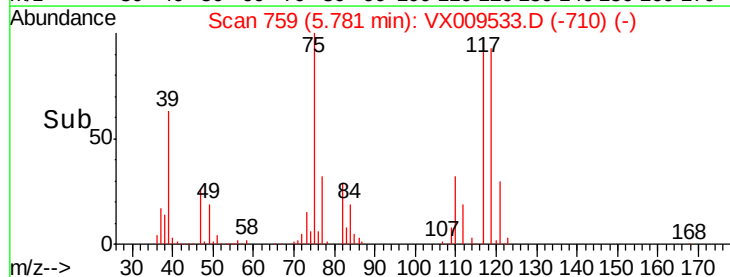
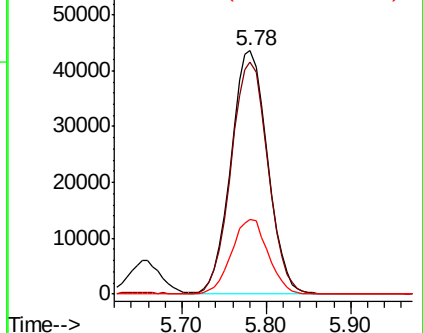
121 30.9 24.7 37.1

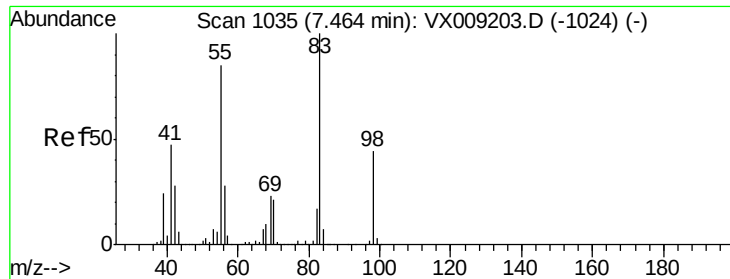


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

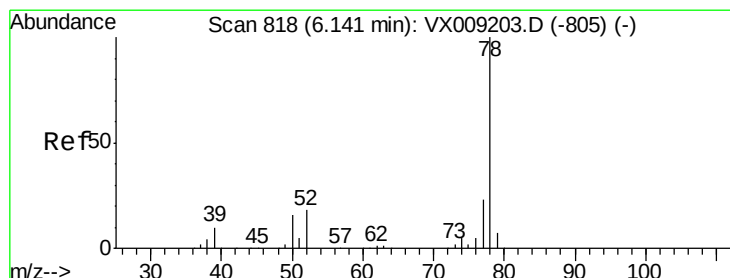
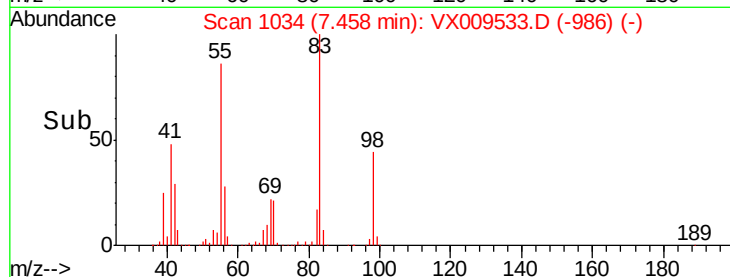
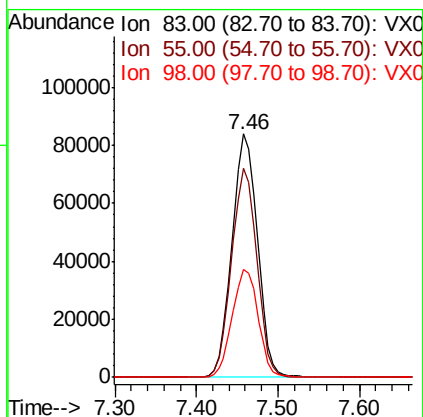
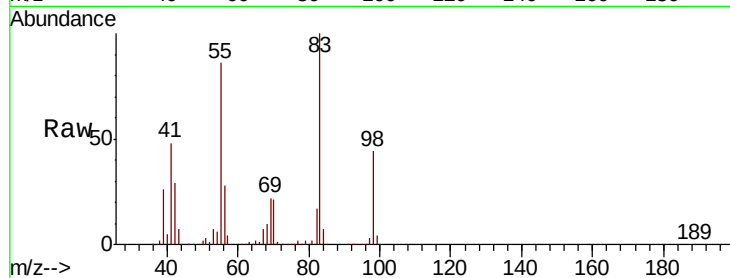




#39
Methylvlcyclohexane
Concen: 56.377 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

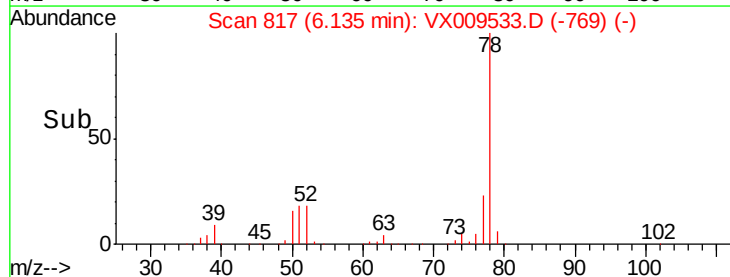
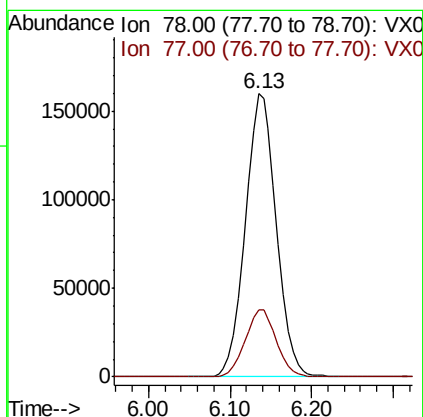
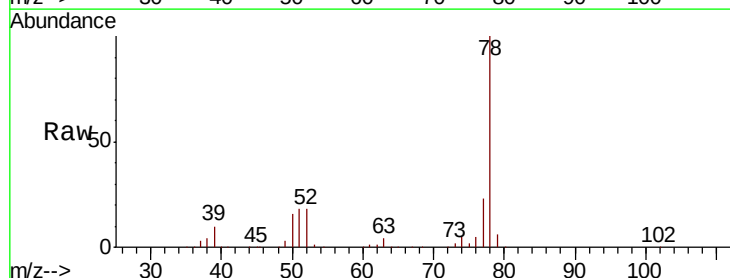
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

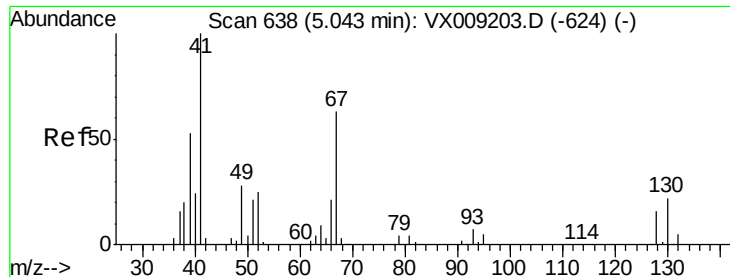
Tot Ion: 83 Resp: 180727
Ion Ratio Lower Upper
83 100
55 85.9 67.7 101.5
98 44.4 35.5 53.3



#40
Benzene
Concen: 52.142 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 78 Resp: 421226
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 49.175 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 106461

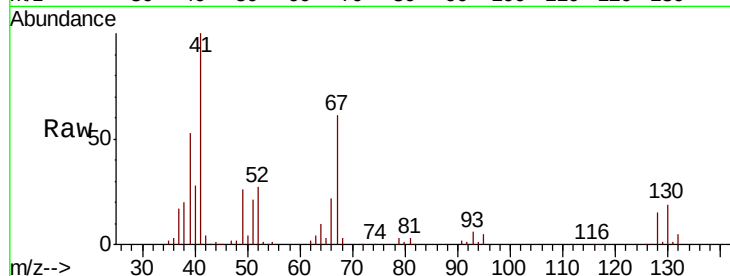
Ion Ratio Lower Upper

41 100

39 53.0 42.0 63.0

67 62.5 49.8 74.8

52 26.7 20.3 30.5

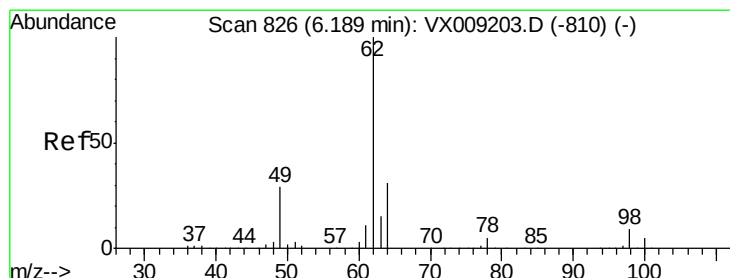
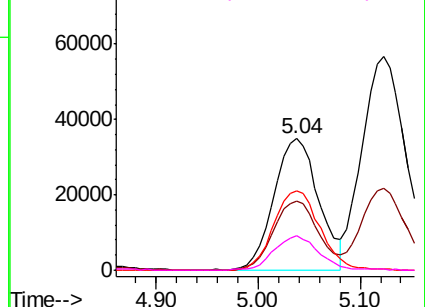
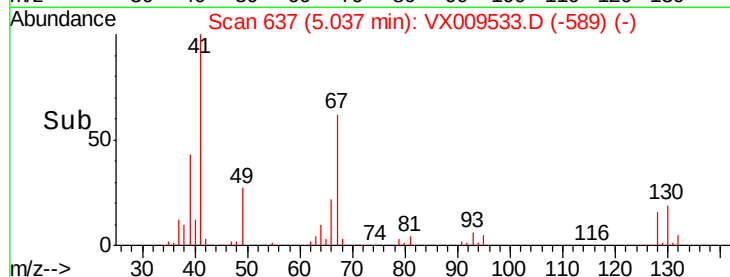


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 52.843 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009533.D

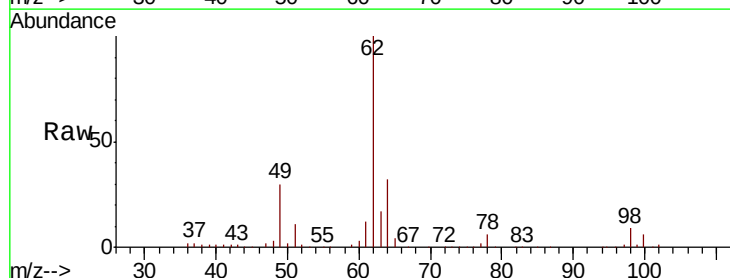
Acq: 13 May 2019 10:34

Tgt Ion: 62 Resp: 153132

Ion Ratio Lower Upper

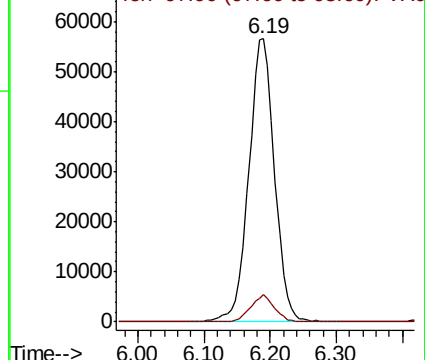
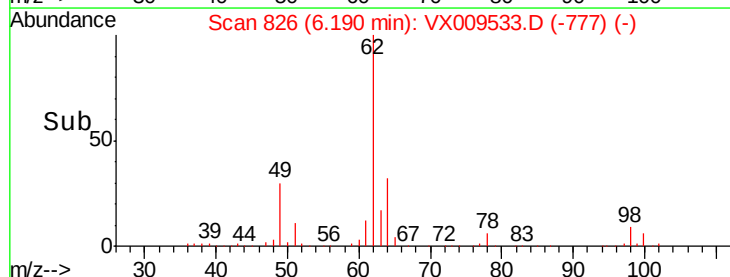
62 100

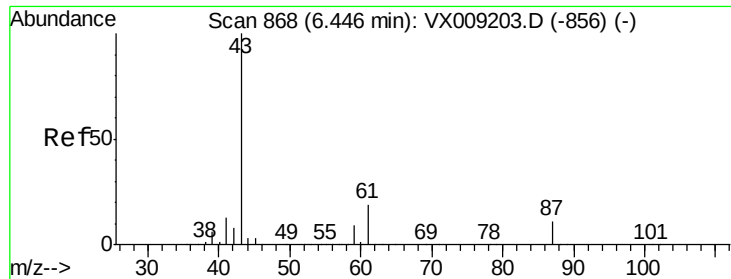
98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.620 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

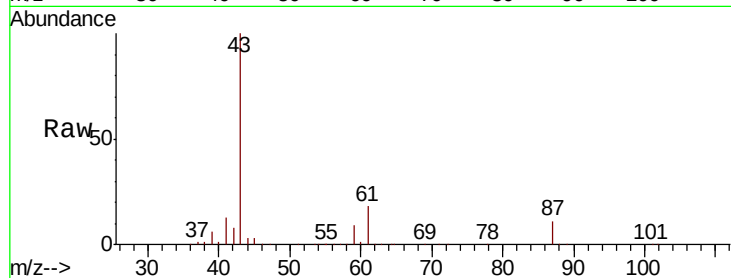
Tot Ion: 43 Resp: 300298

Ion Ratio Lower Upper

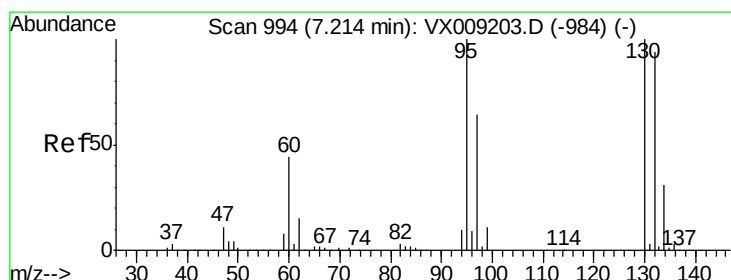
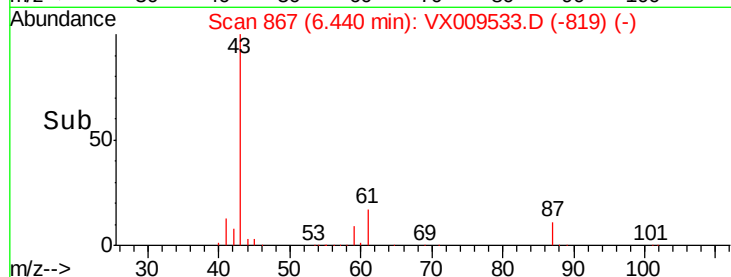
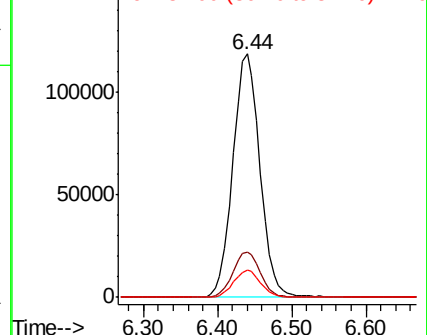
43 100

61 18.9 15.1 22.7

87 11.2 9.0 13.6



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: 53.129 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009533.D

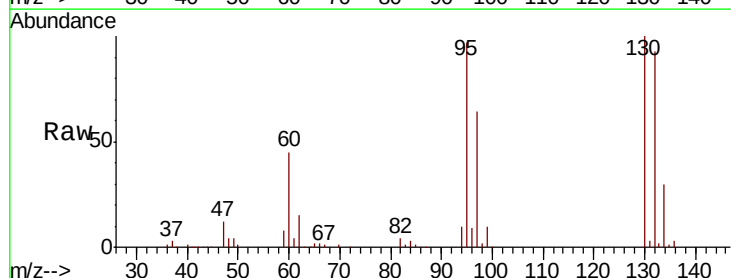
Acq: 13 May 2019 10:34

Tgt Ion:130 Resp: 103760

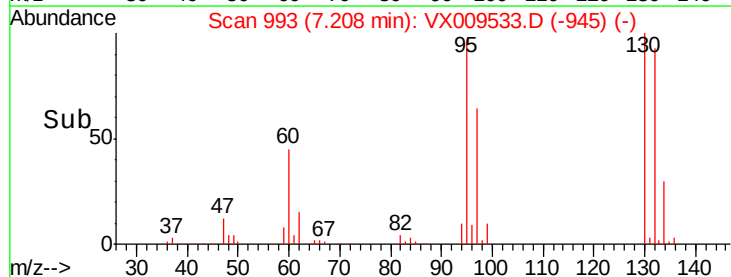
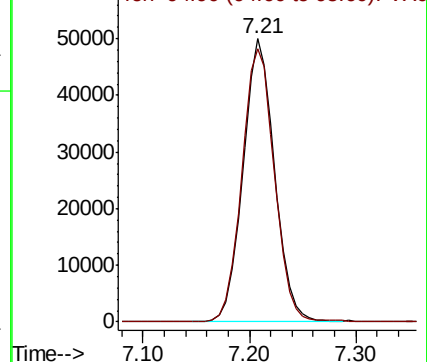
Ion Ratio Lower Upper

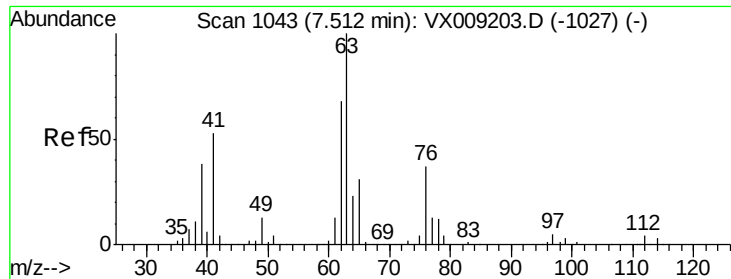
130 100

95 96.7 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

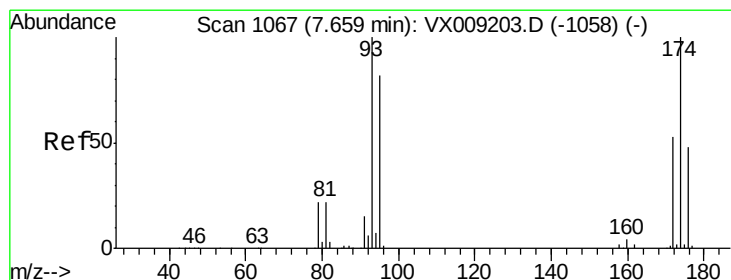
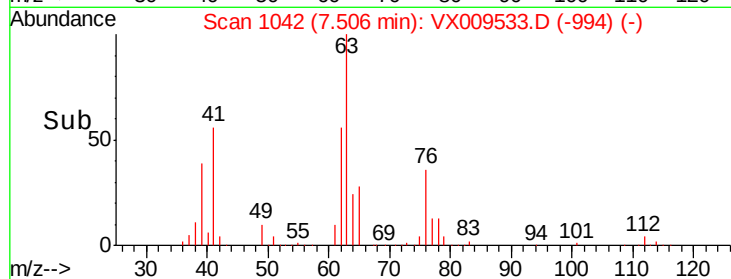
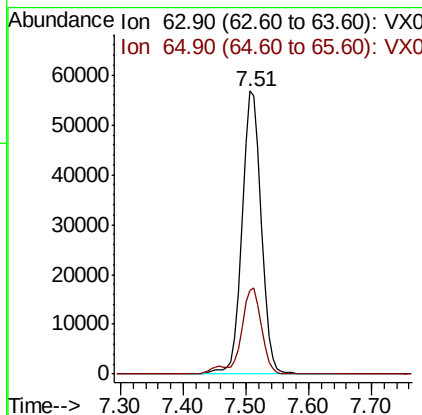
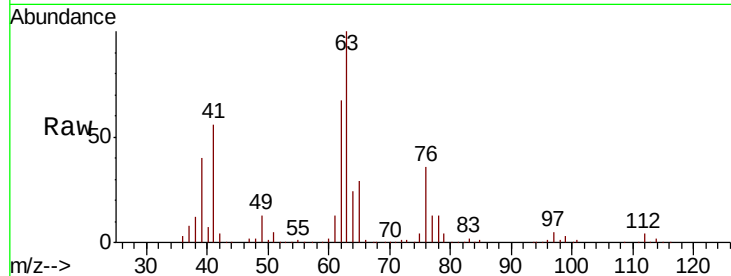




#45
 1,2-Dichloropropane
 Concen: 52.525 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

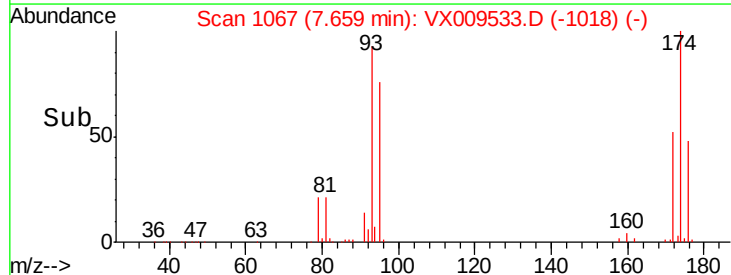
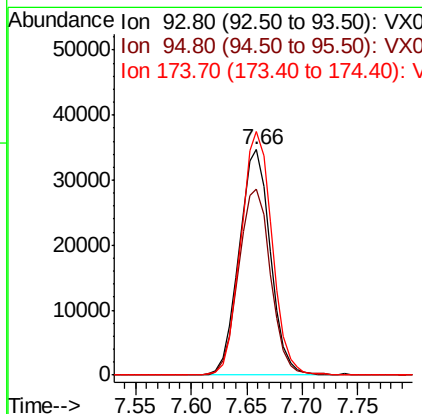
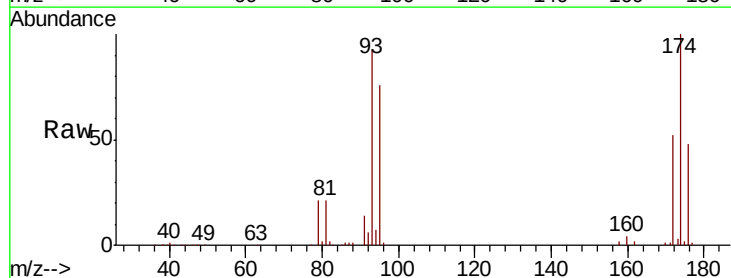
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

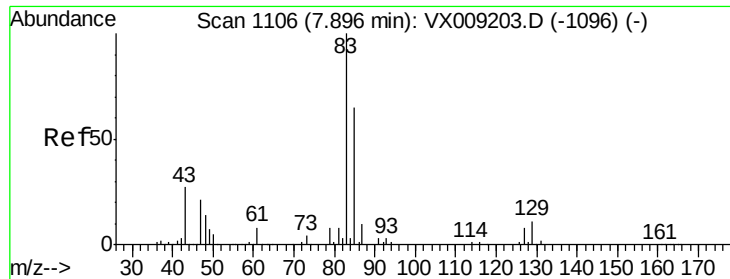
Tot Ion: 63 Resp: 120150
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.6



#46
 Dibromomethane
 Concen: 51.019 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 93 Resp: 67771
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.5 99.7
 174 108.1 82.1 123.1





#47

Bromodichloromethane

Concen: 53.536 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

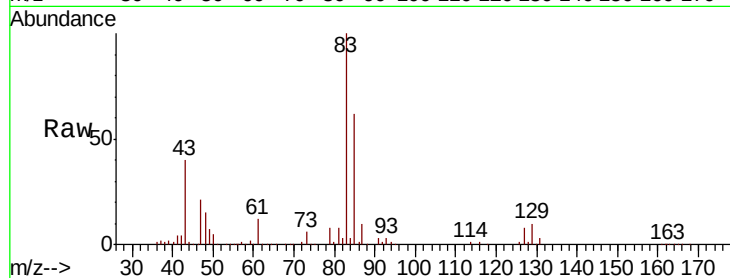
Tot Ion: 83 Resp: 141855

Ion Ratio Lower Upper

83 100

85 61.9 52.4 78.6

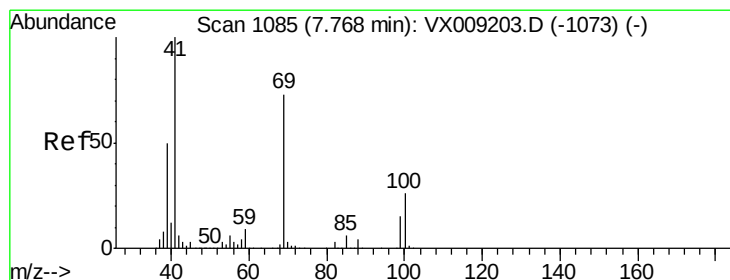
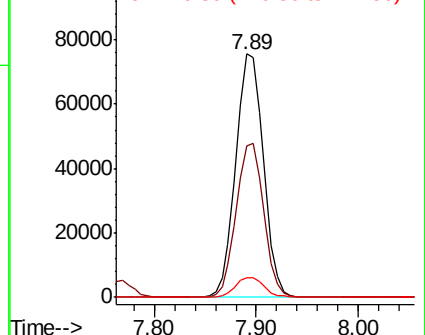
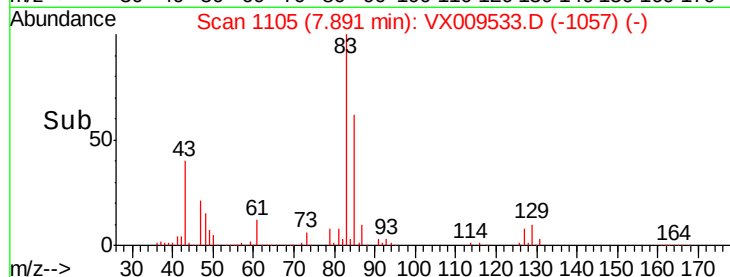
127 8.2 6.6 10.0



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: 52.402 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

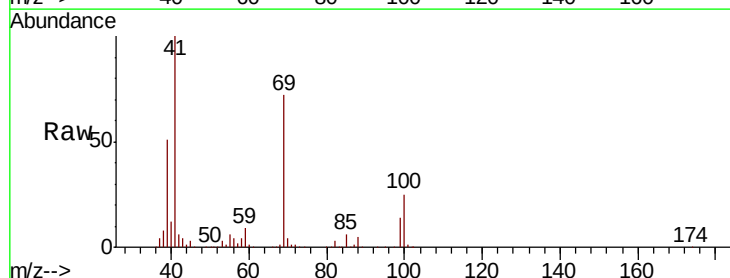
Tgt Ion: 41 Resp: 151241

Ion Ratio Lower Upper

41 100

69 73.5 59.1 88.7

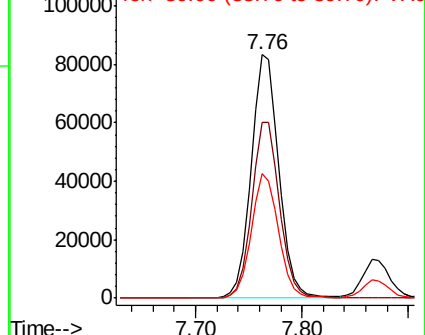
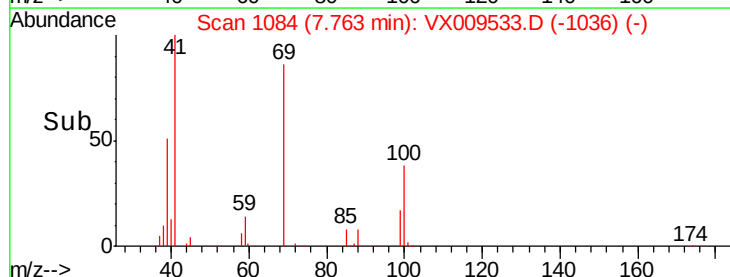
39 50.3 40.4 60.6

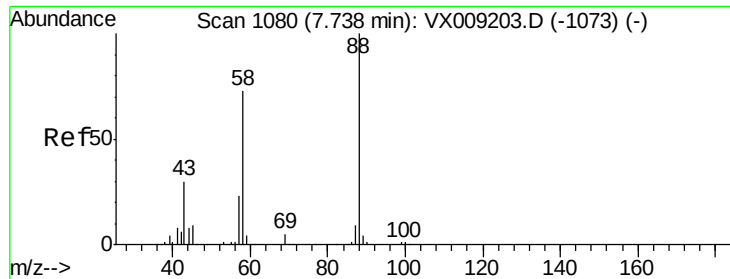


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

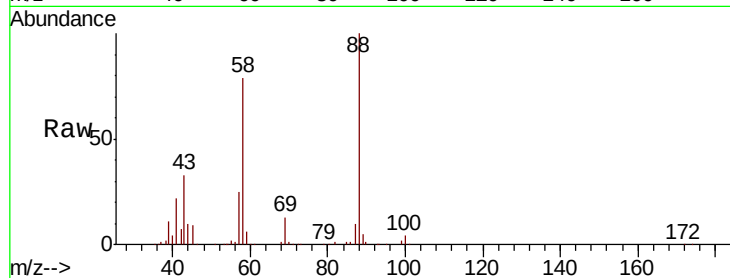




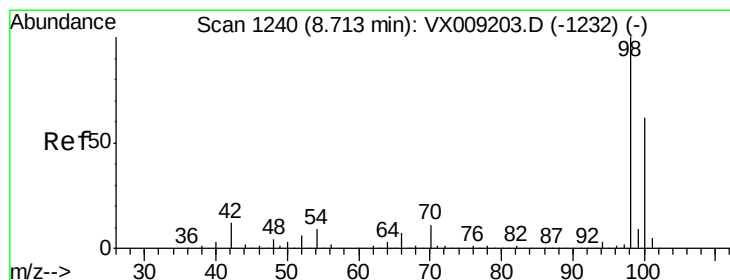
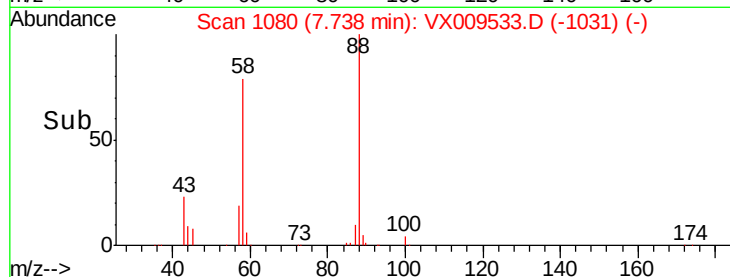
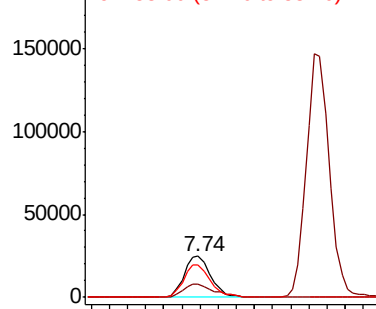
#49
1,4-Dioxane
Concen: 872.148 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 51048
Ion Ratio Lower Upper
88 100
43 36.2 28.6 42.8
58 79.5 61.7 92.5

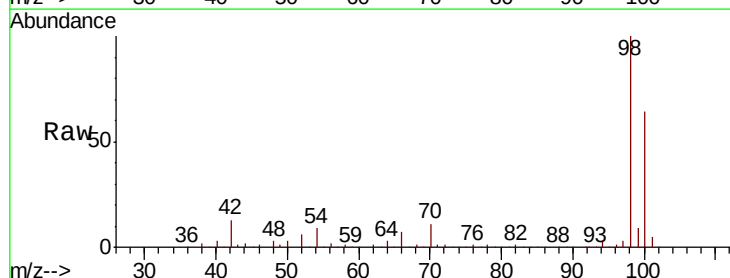


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

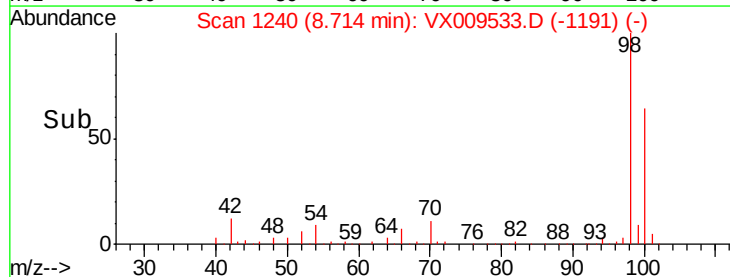
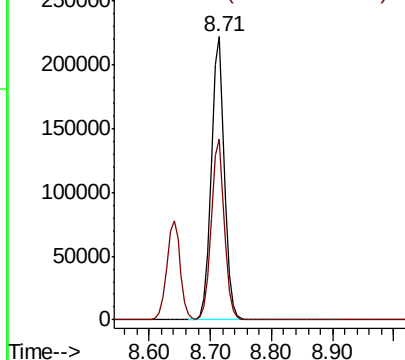


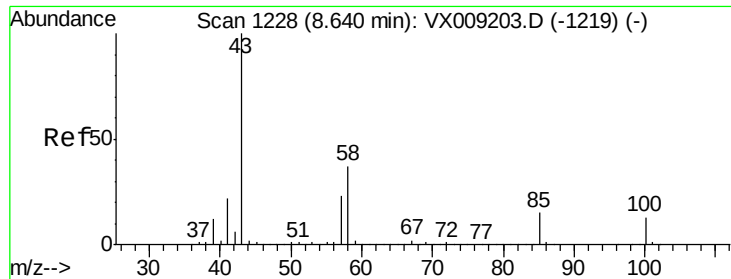
#50
Toluene-d8
Concen: 48.131 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 98 Resp: 343117
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 254.011 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

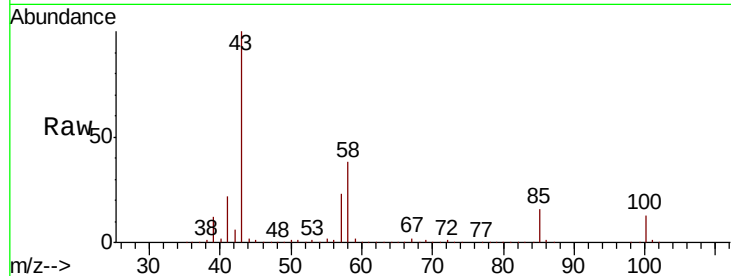
VSTDCCC050

Tot Ion: 43 Resp: 965856

Ion Ratio Lower Upper

43 100

58 37.0 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

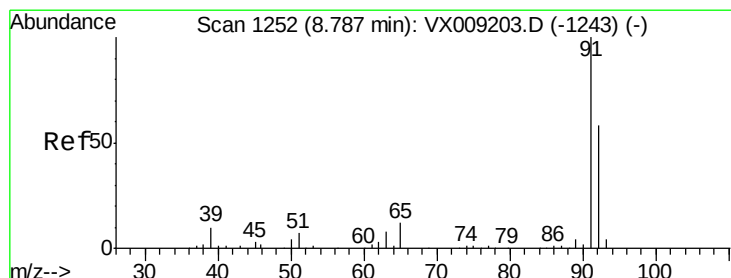
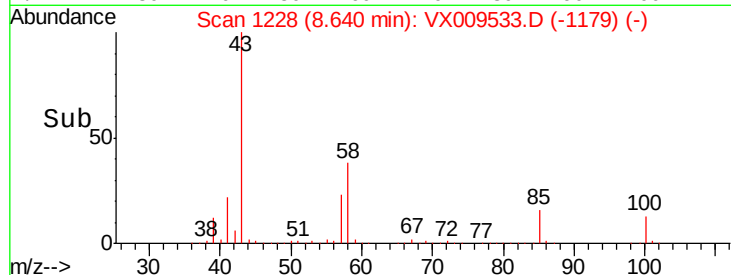
400000

200000

0

Time-->

8.55 8.60 8.65 8.70



#52

Toluene

Concen: 53.318 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009533.D

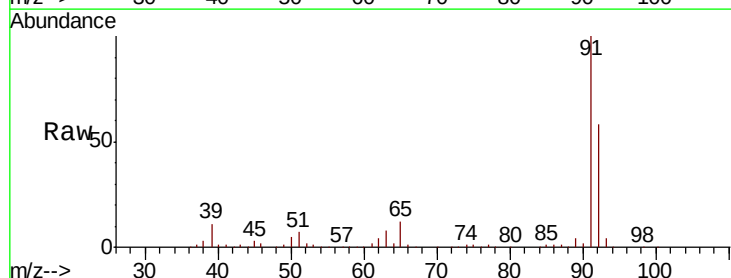
Acq: 13 May 2019 10:34

Tgt Ion: 92 Resp: 261828

Ion Ratio Lower Upper

92 100

91 173.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

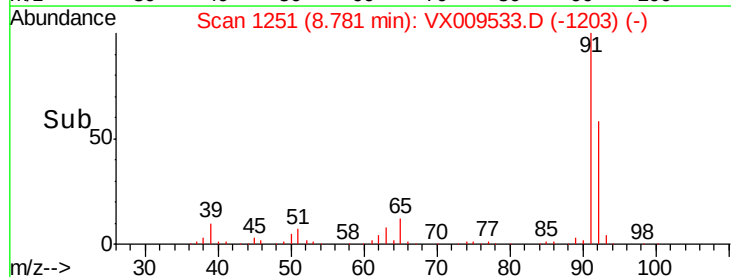
200000

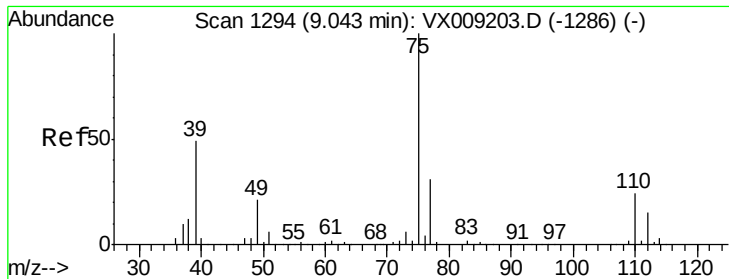
100000

0

Time-->

8.70 8.75 8.80 8.85

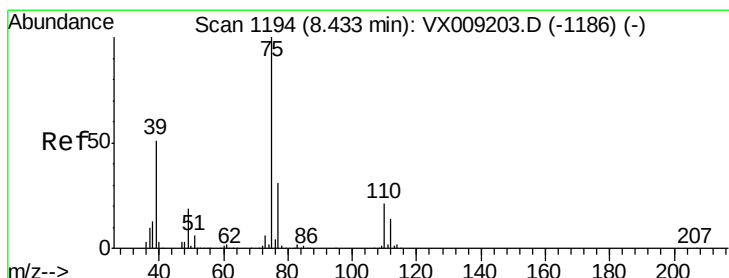
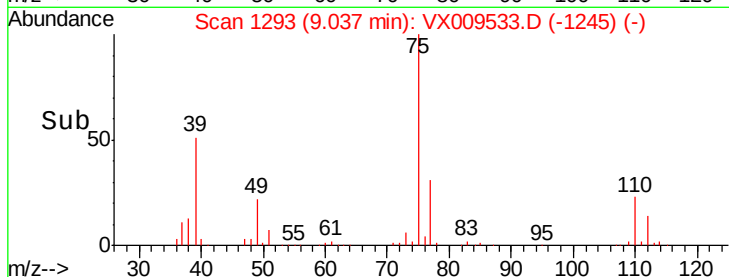
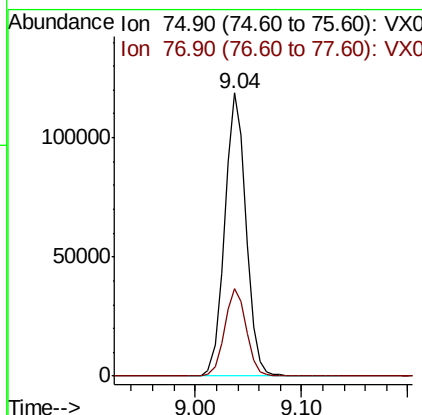
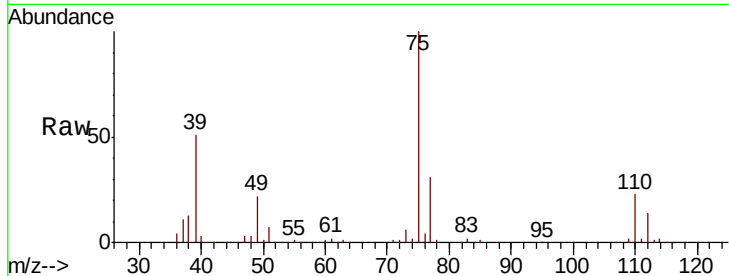




#53
 t-1,3-Dichloropropene
 Concen: 55.752 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

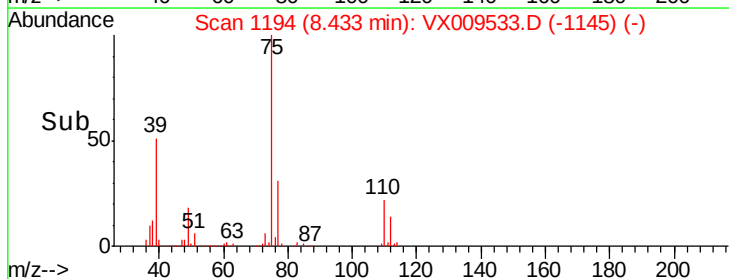
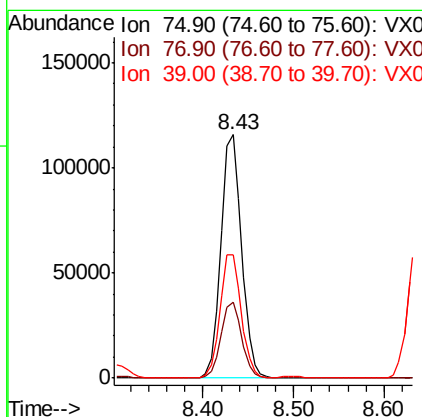
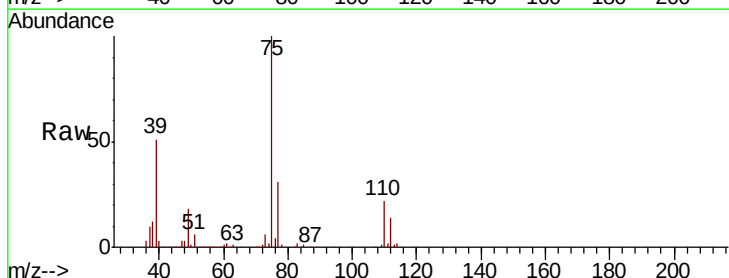
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

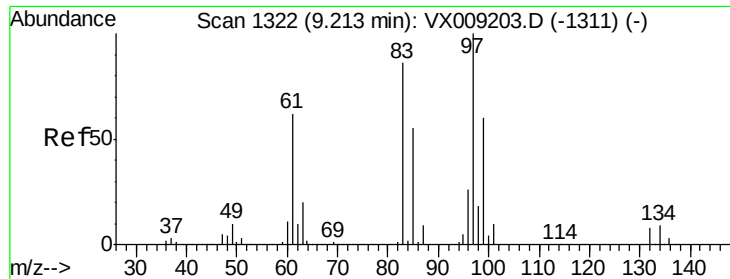
Tot Ion: 75 Resp: 166785
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 55.717 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 75 Resp: 184491
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 50.7 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 51.499 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 103173

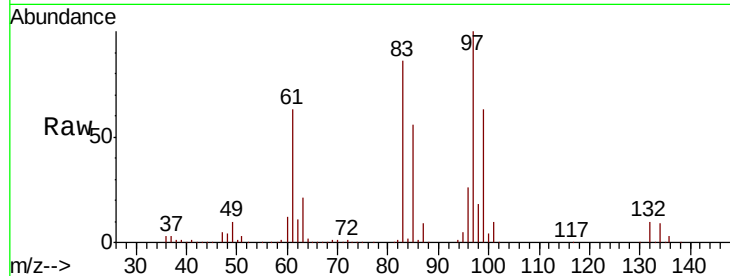
Ion Ratio Lower Upper

97 100

83 86.4 68.9 103.3

85 56.2 43.8 65.6

99 62.9 48.2 72.2

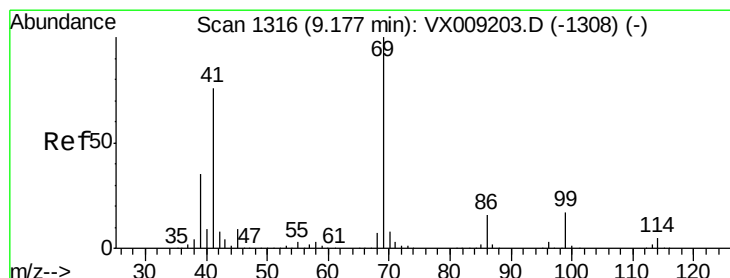
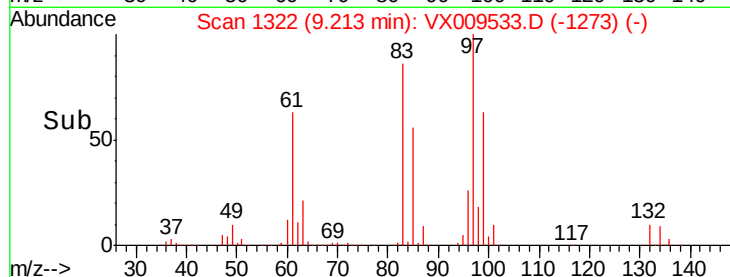
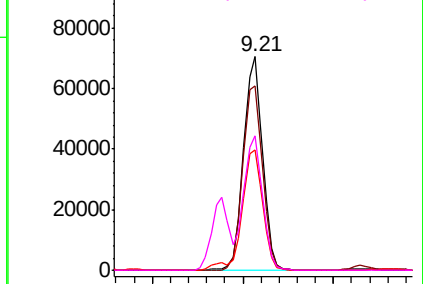


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 52.989 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

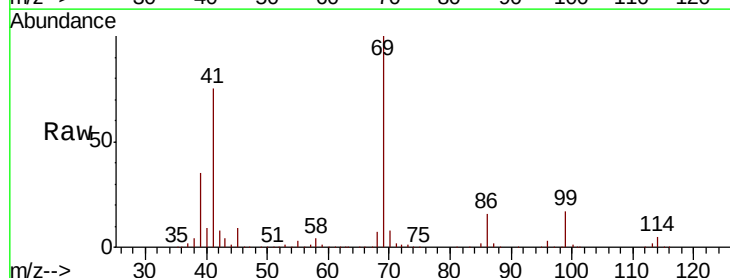
Tgt Ion: 69 Resp: 189500

Ion Ratio Lower Upper

69 100

41 76.6 60.6 90.8

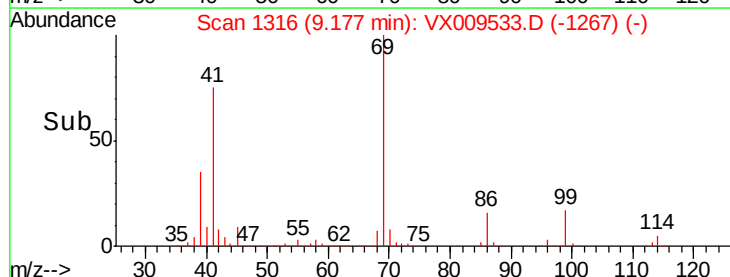
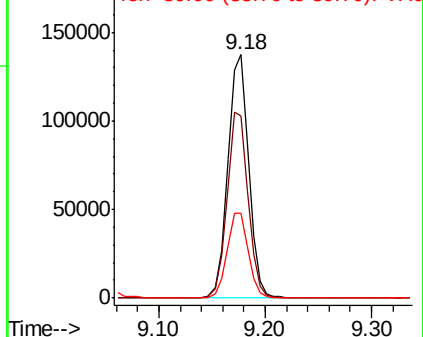
39 35.7 28.2 42.4

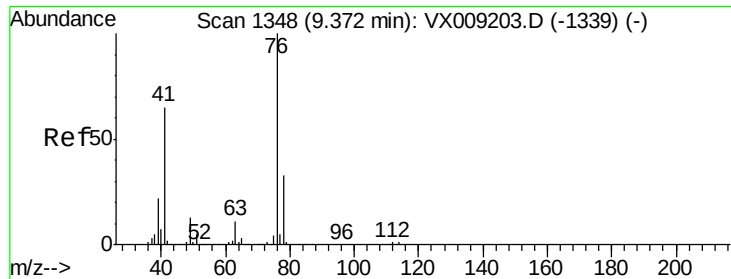


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

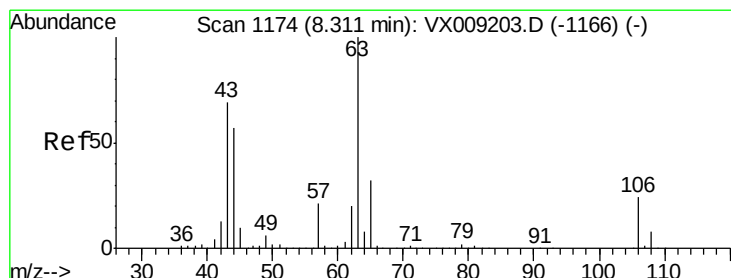
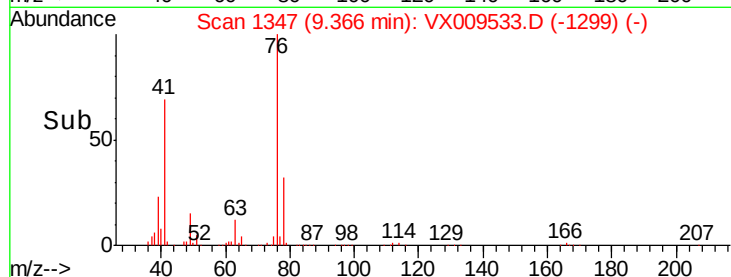
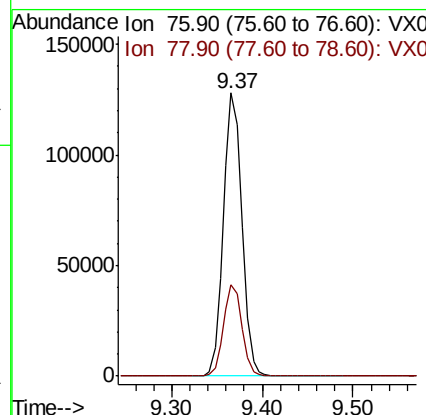
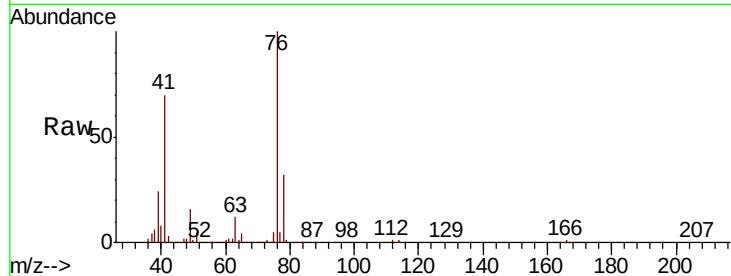




#57
 1,3-Dichloropropane
 Concen: 52.096 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

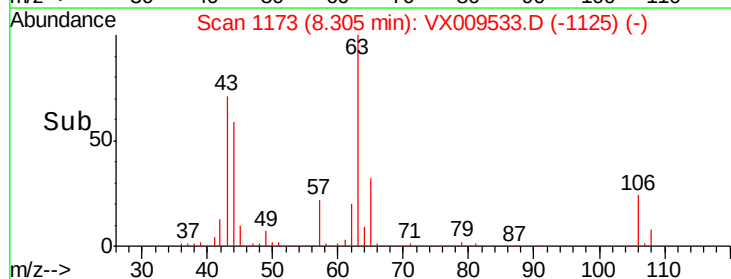
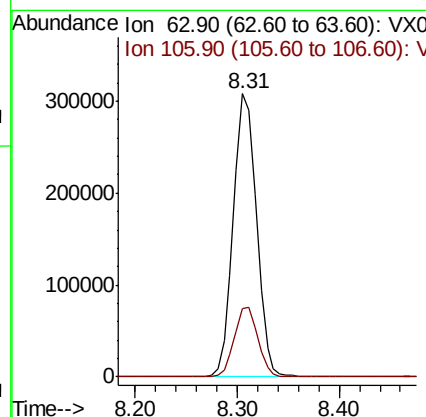
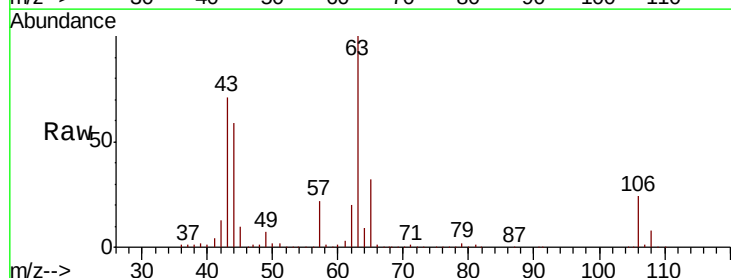
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

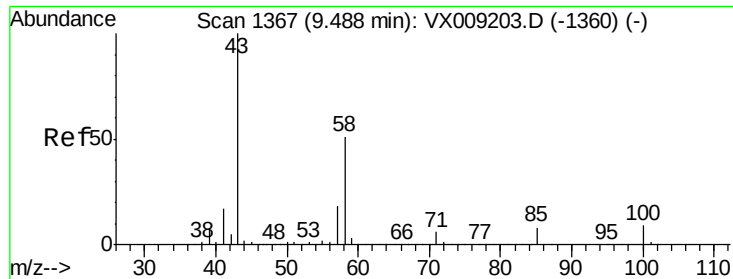
Tot Ion: 76 Resp: 183664
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.820 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 63 Resp: 485332
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5

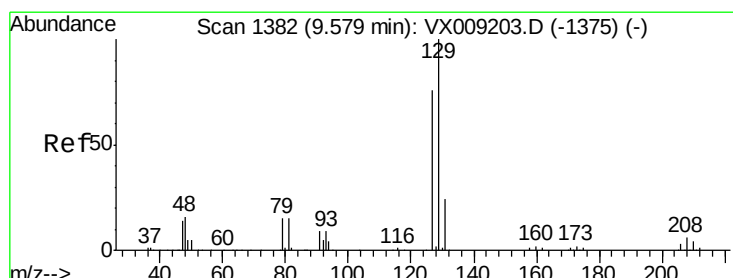
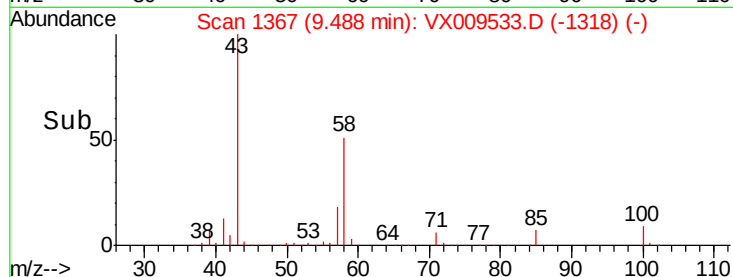
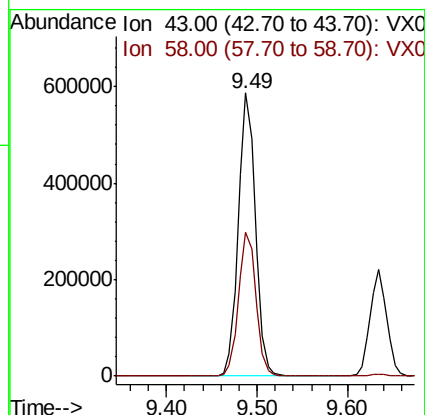
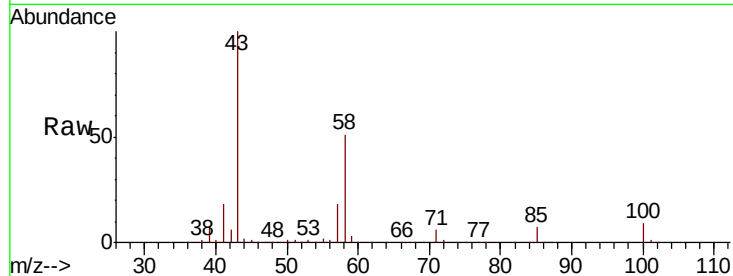




#59
2-Hexanone
Concen: 257.320 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

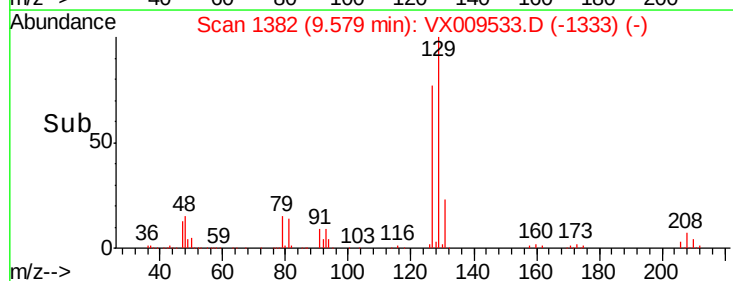
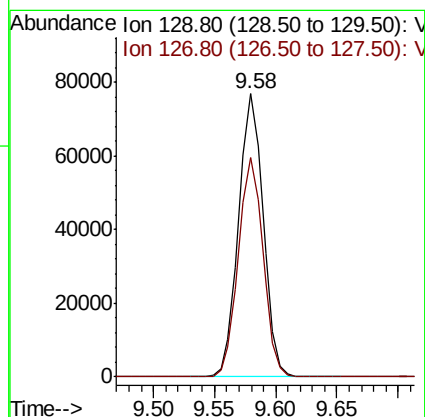
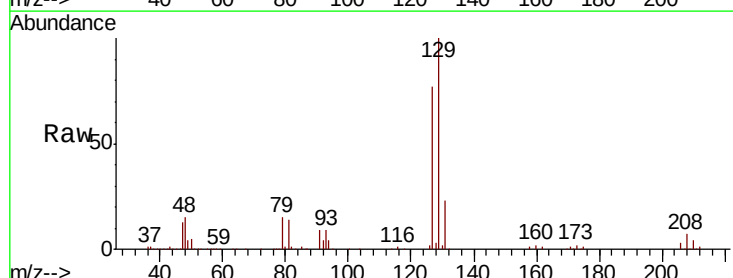
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

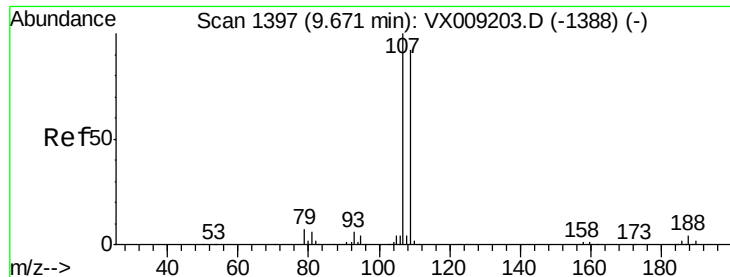
Tot Ion: 43 Resp: 768453
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7



#60
Dibromochloromethane
Concen: 54.817 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 129 Resp: 107260
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.970 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

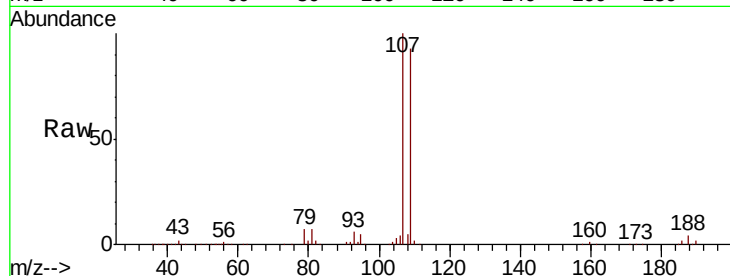
VSTDCCC050

Tot Ion:107 Resp: 107122

Ion Ratio Lower Upper

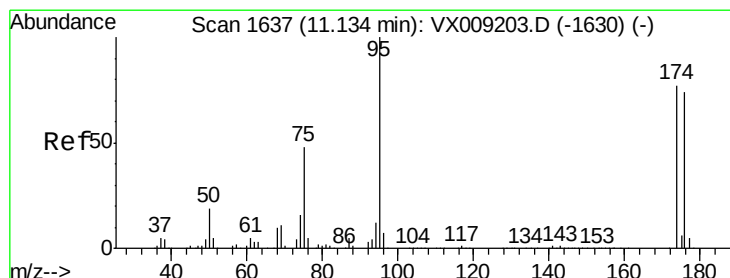
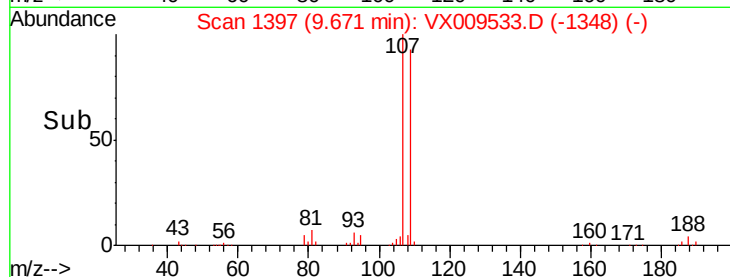
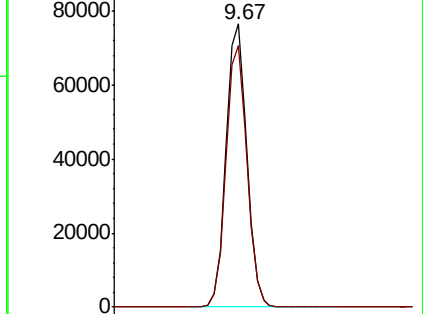
107 100

109 93.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.270 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

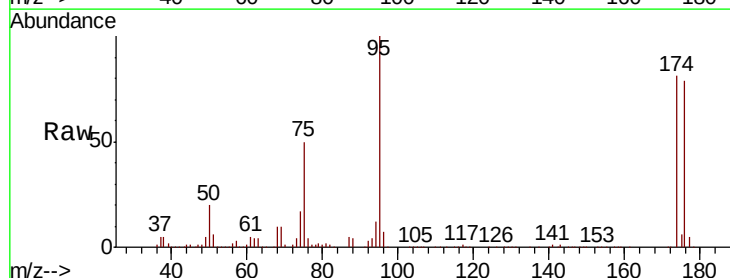
Tgt Ion: 95 Resp: 127625

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.6

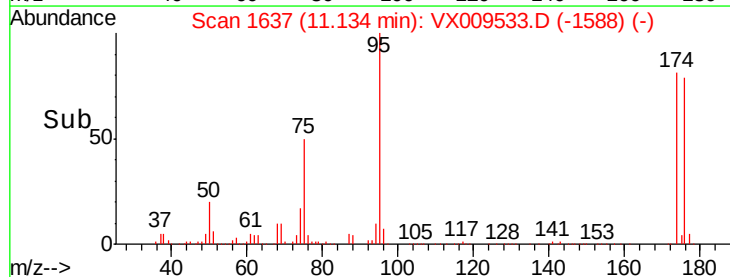
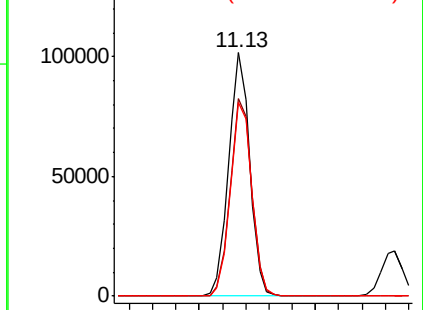
176 81.5 0.0 159.2

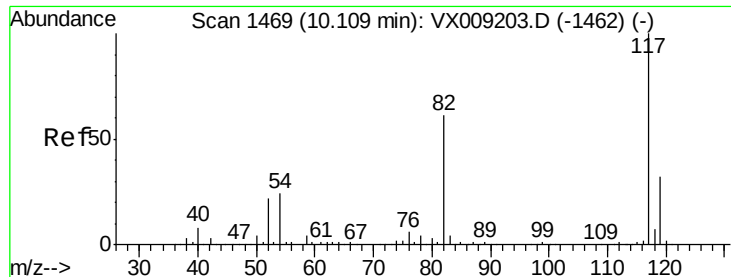


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

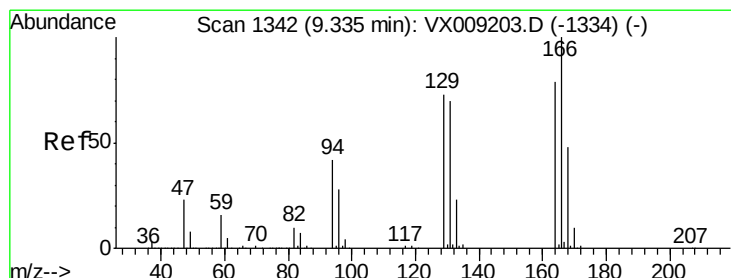
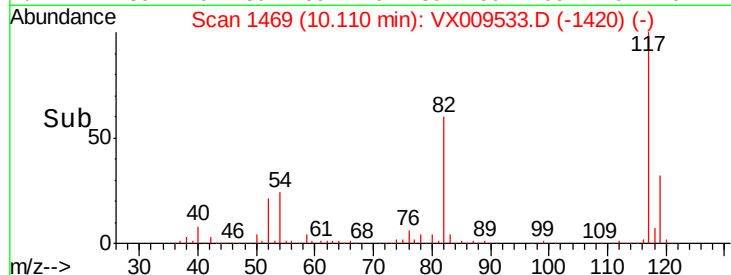
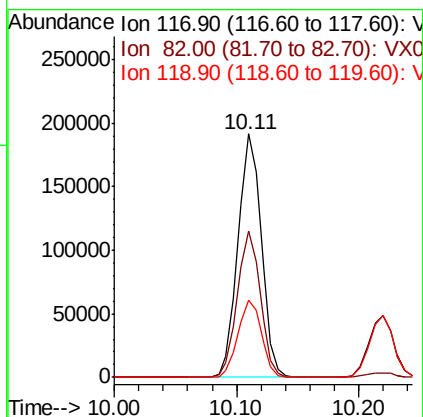
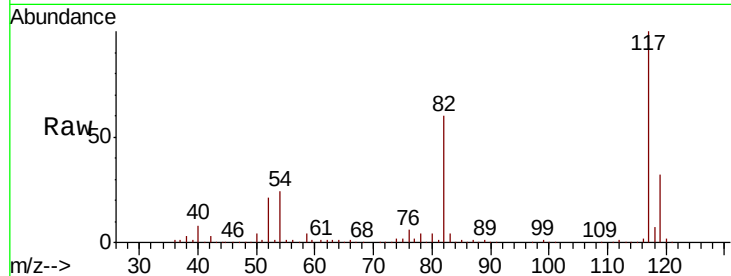




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

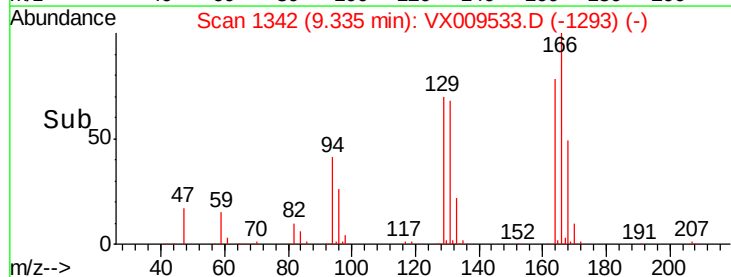
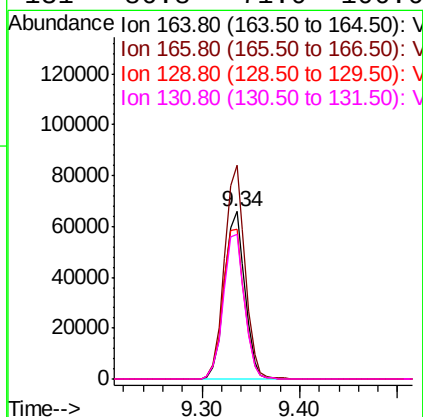
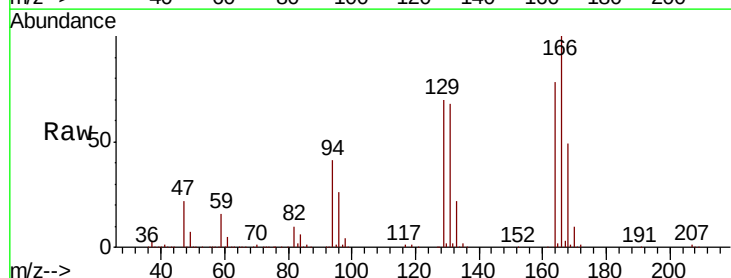
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

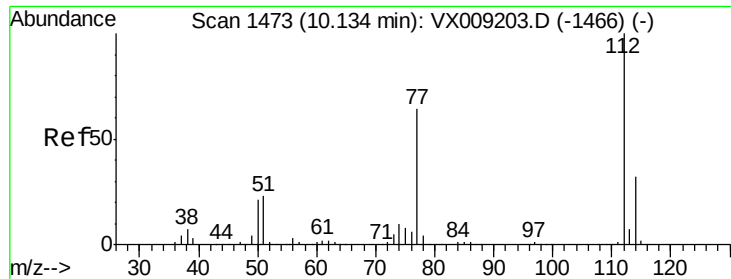
Tot Ion:117 Resp: 252169
Ion Ratio Lower Upper
117 100
82 60.3 48.8 73.2
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 55.402 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion:164 Resp: 95832
Ion Ratio Lower Upper
164 100
166 127.8 101.2 151.8
129 89.3 74.3 111.5
131 86.8 71.0 106.6

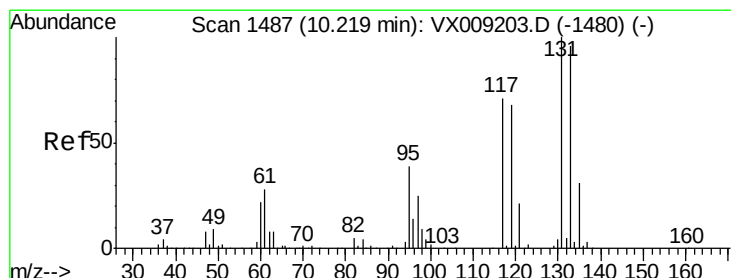
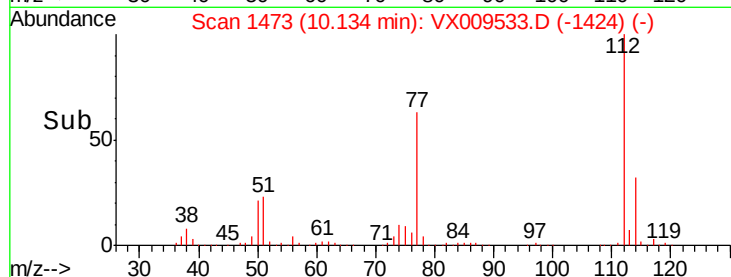
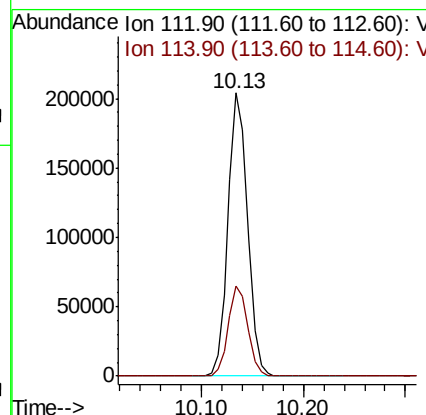
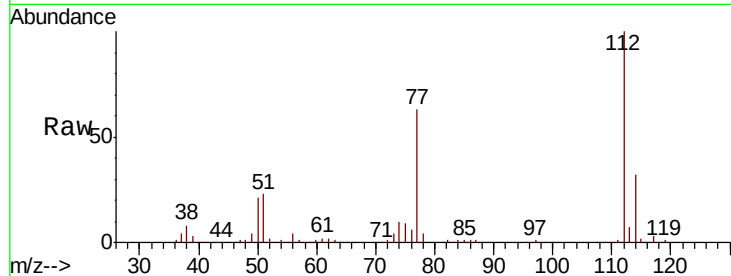




#65
Chlorobenzene
Concen: 53.888 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

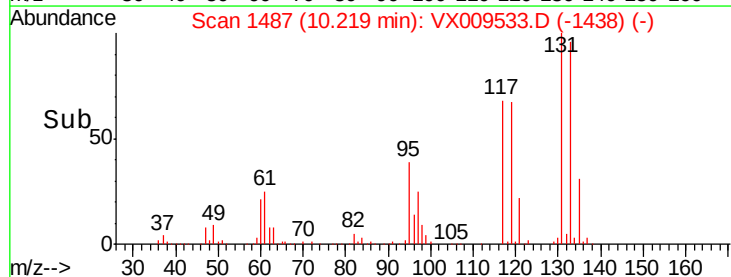
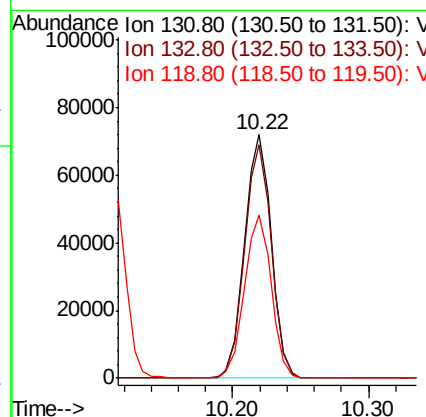
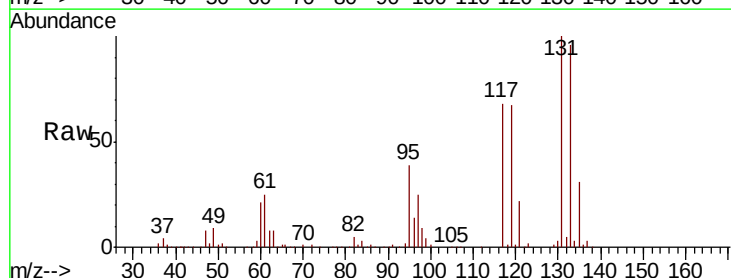
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

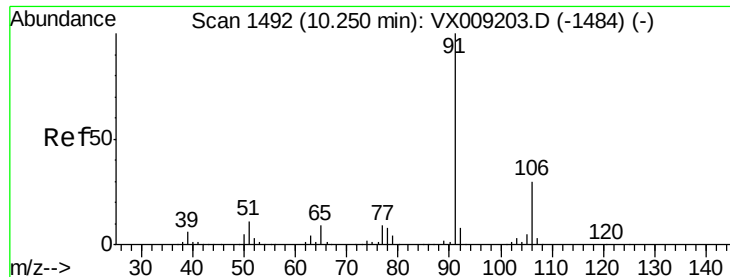
Tot Ion:112 Resp: 271841
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.984 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion:131 Resp: 98729
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 67.3 33.5 100.4

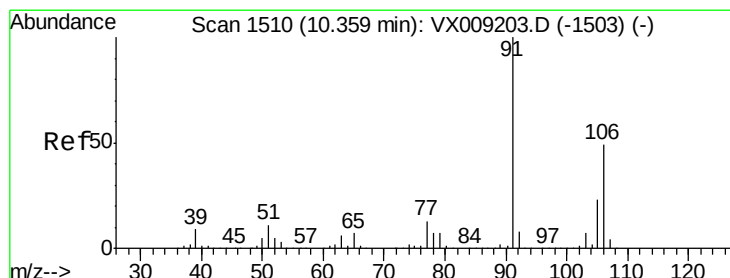
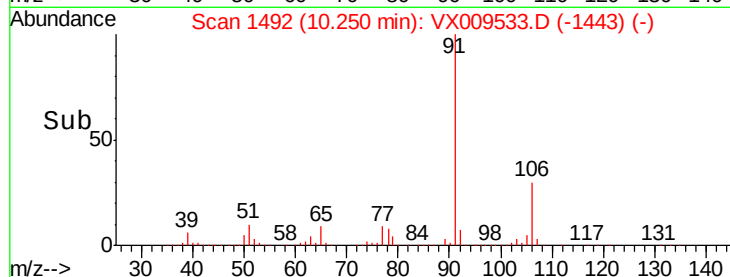
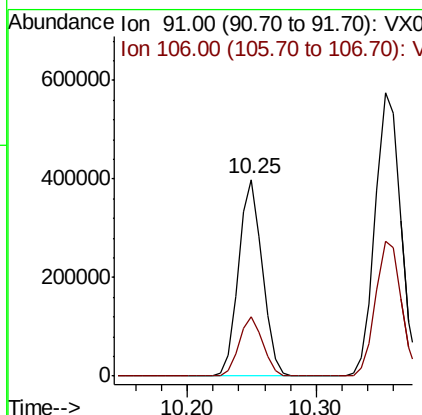
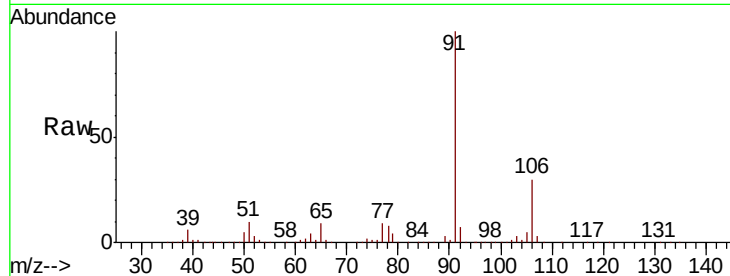




#67
Ethyl Benzene
Concen: 55.022 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

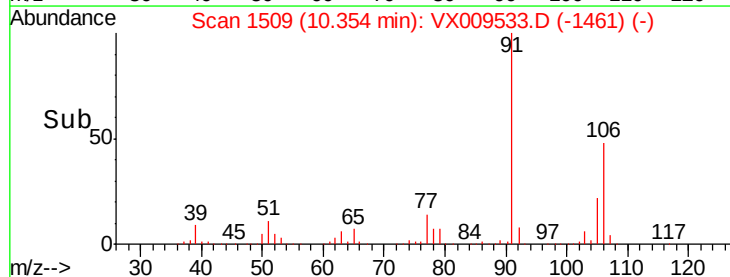
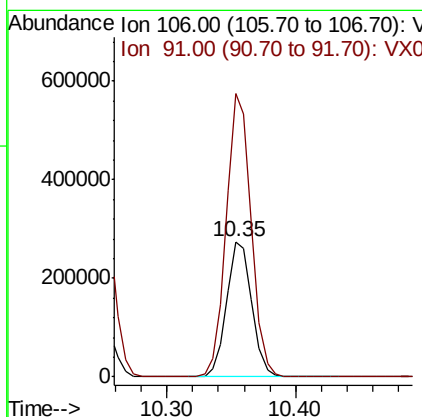
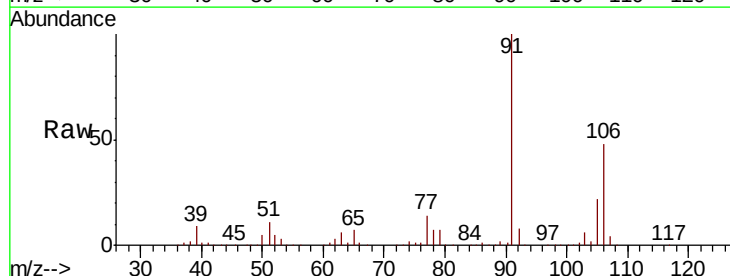
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

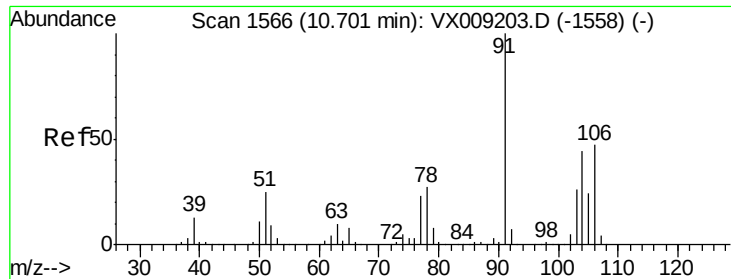
Tot Ion: 91 Resp: 510817
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#68
m/p-Xylenes
Concen: 111.146 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 106 Resp: 377074
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

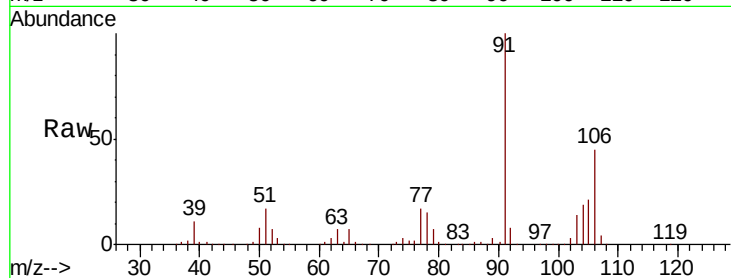




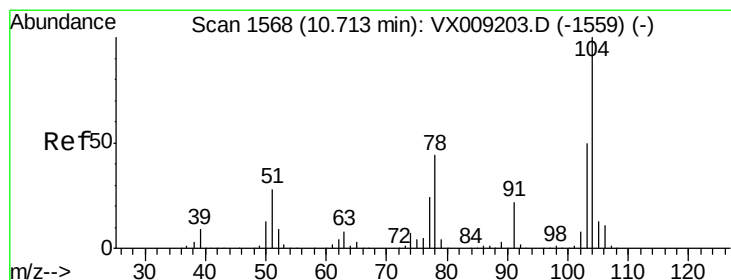
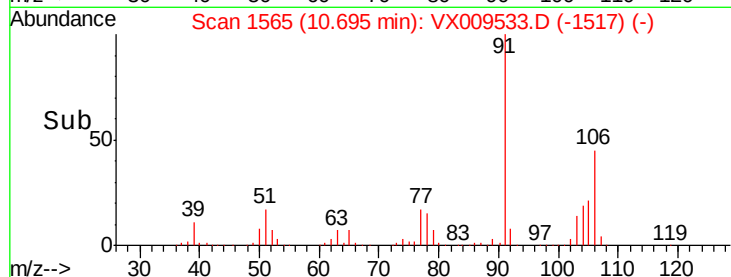
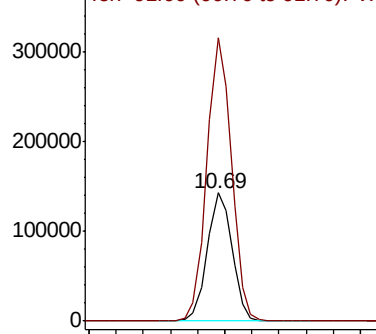
#69
o-Xylene
Concen: 54.271 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 181661
Ion Ratio Lower Upper
106 100
91 219.3 109.5 328.4

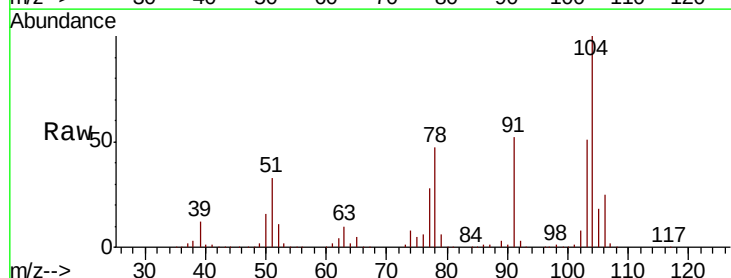


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

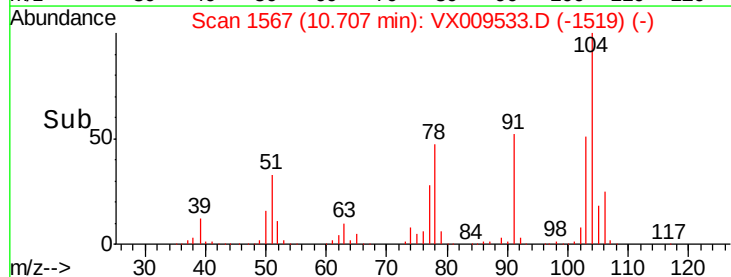
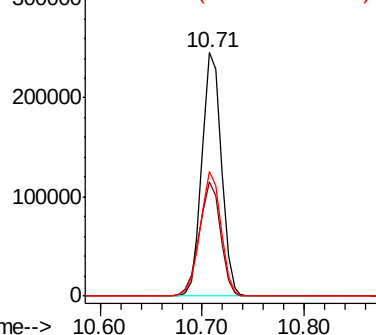


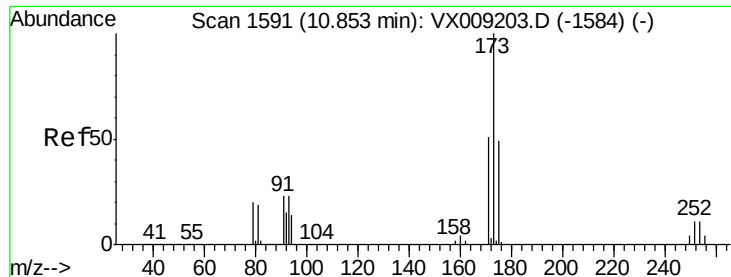
#70
Styrene
Concen: 55.653 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion:104 Resp: 323782
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 54.8 43.8 65.6



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





#71

Bromoform

Concen: 56.250 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

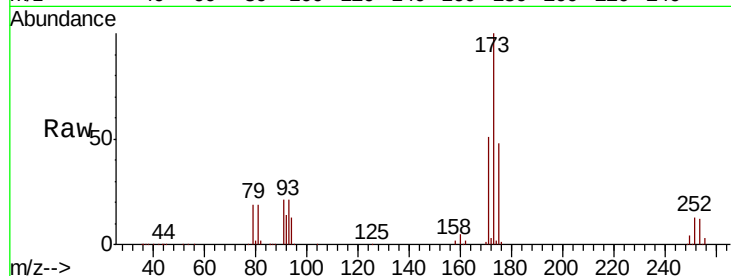
Tot Ion:173 Resp: 83599

Ion Ratio Lower Upper

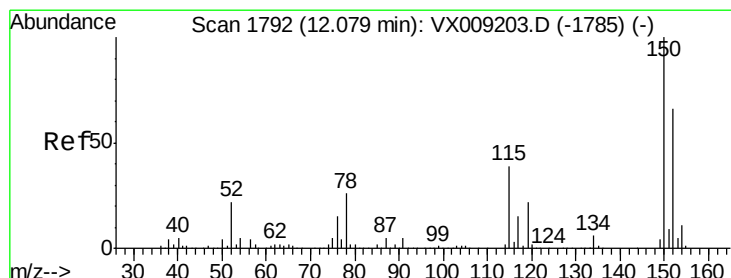
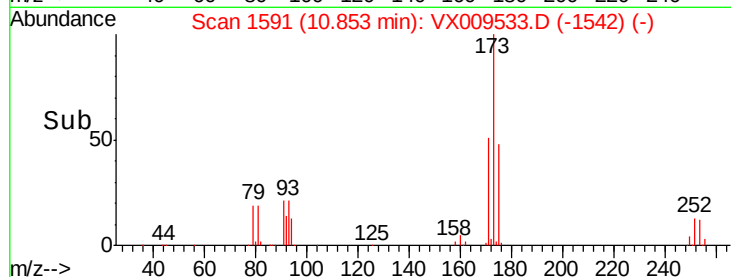
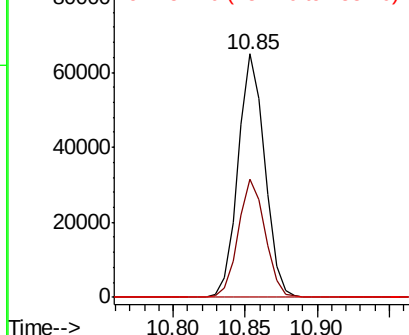
173 100

175 48.9 24.5 73.5

254 0.2 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# 1791

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

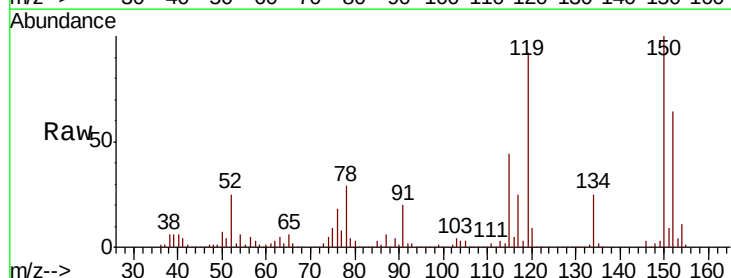
Tgt Ion:152 Resp: 132338

Ion Ratio Lower Upper

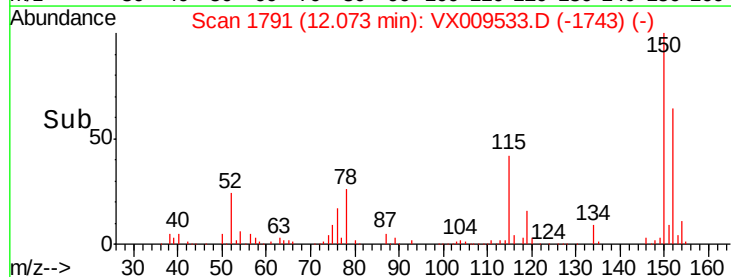
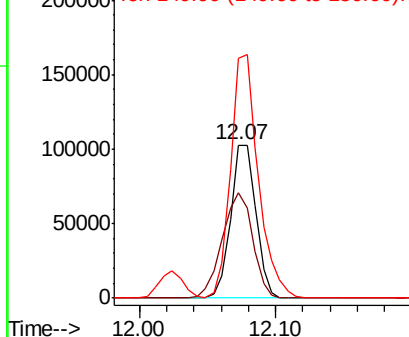
152 100

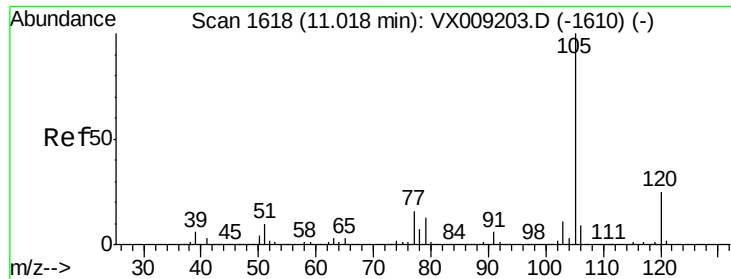
115 82.8 41.2 123.6

150 174.4 0.0 346.4



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





#73

Isopropylbenzene

Concen: 51.039 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

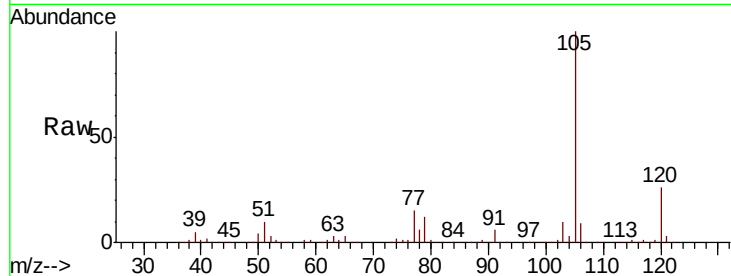
VSTDCCC050

Tot Ion:105 Resp: 491171

Ion Ratio Lower Upper

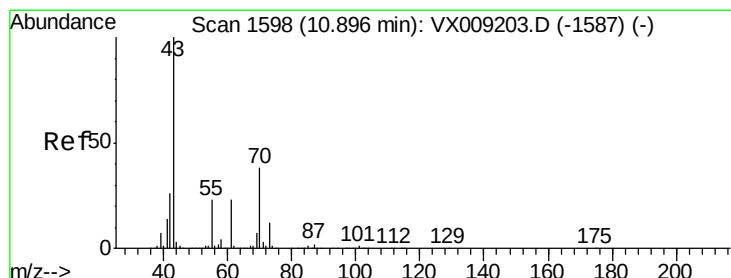
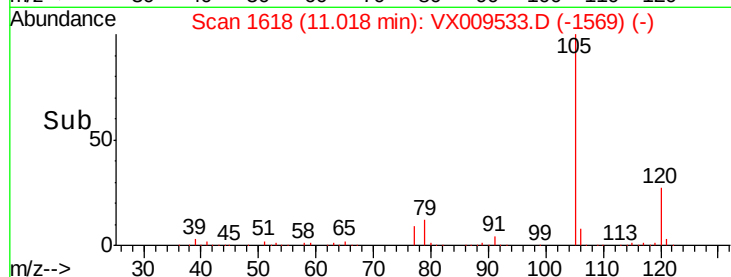
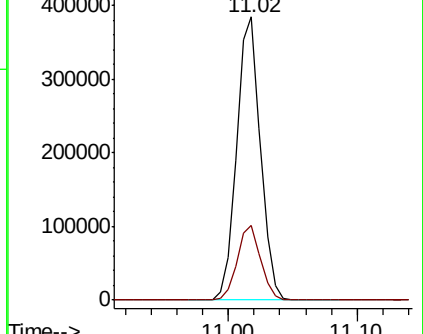
105 100

120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.196 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Tgt Ion: 43 Resp: 281628

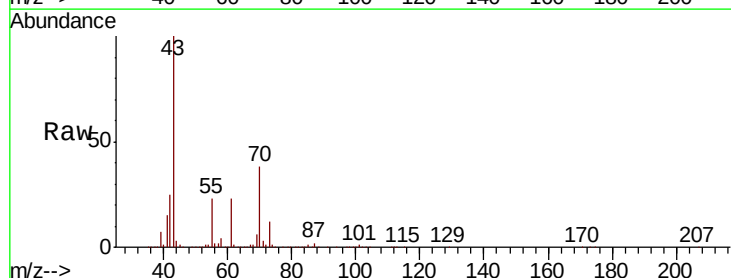
Ion Ratio Lower Upper

43 100

70 37.5 30.0 45.0

55 22.6 17.9 26.9

61 22.6 18.4 27.6

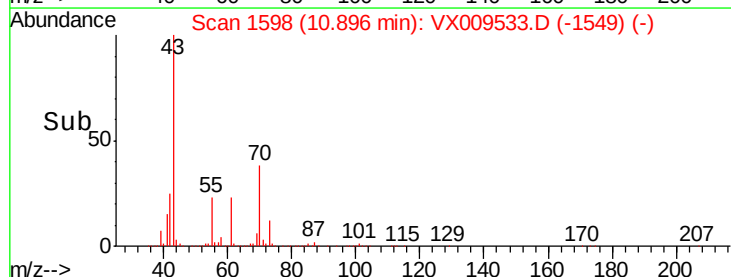
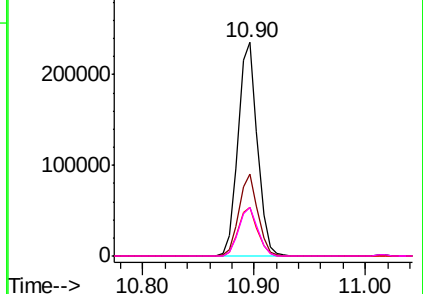


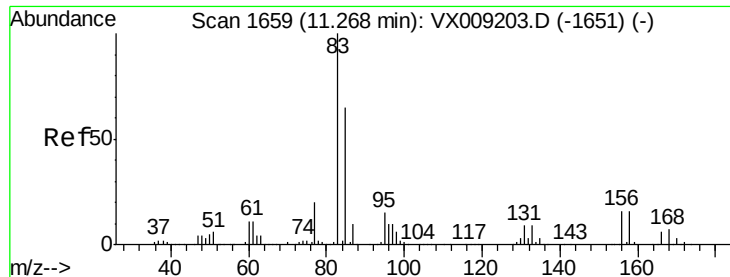
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.400 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

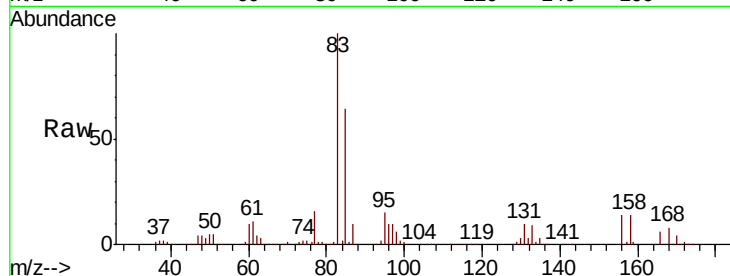
Tot Ion: 83 Resp: 173636

Ion Ratio Lower Upper

83 100

131 9.7 4.6 13.8

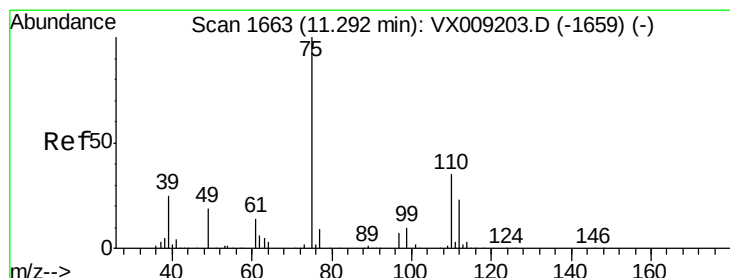
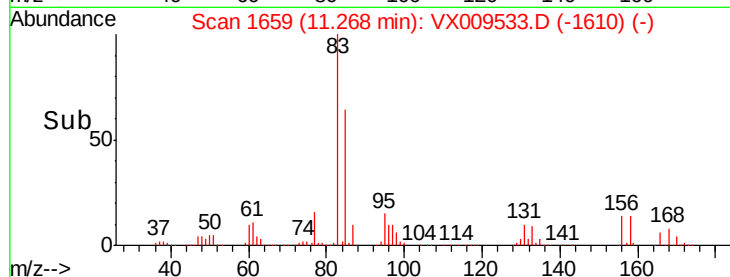
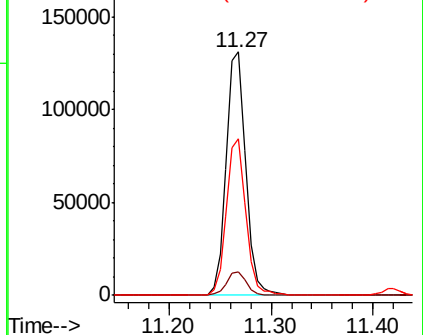
85 63.8 32.0 96.2



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: 68.283 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009533.D

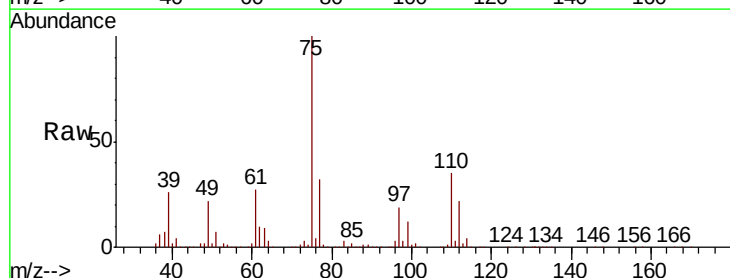
Acq: 13 May 2019 10:34

Tgt Ion: 75 Resp: 209614

Ion Ratio Lower Upper

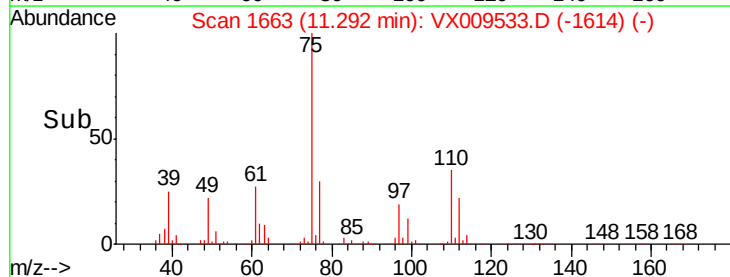
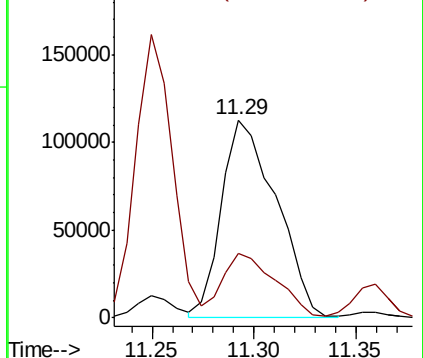
75 100

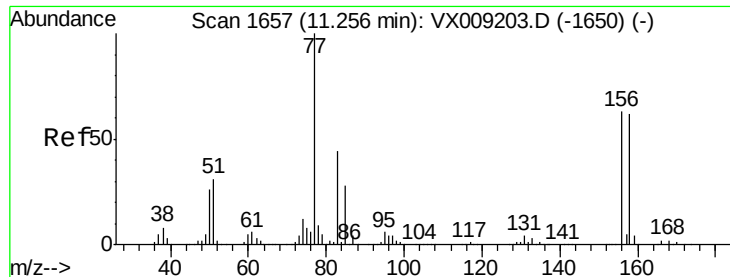
77 31.8 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.717 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

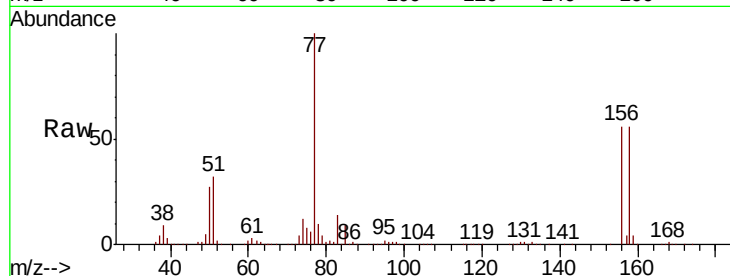
Tot Ion:156 Resp: 121142

Ion Ratio Lower Upper

156 100

77 167.8 84.8 254.3

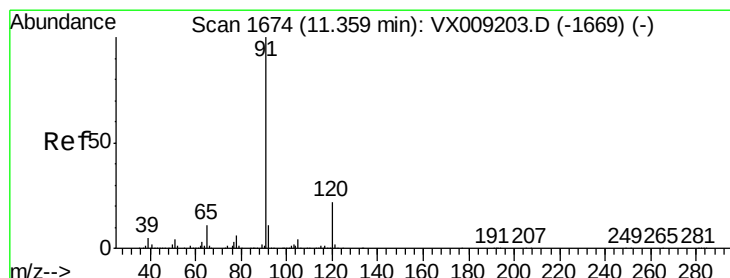
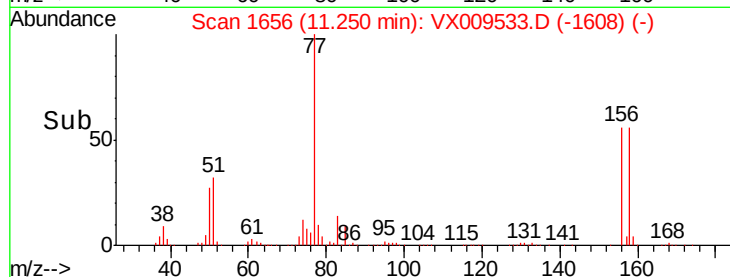
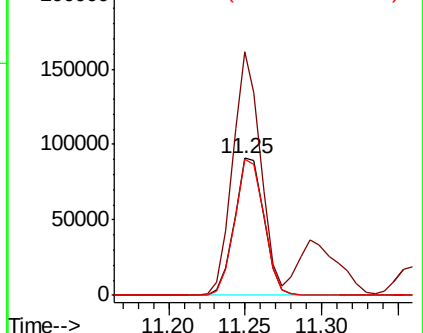
158 98.5 49.1 147.3



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: 53.132 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009533.D

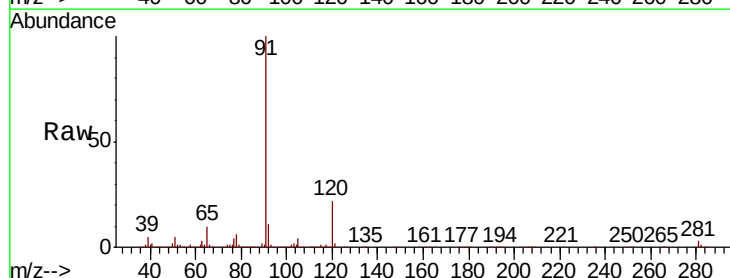
Acq: 13 May 2019 10:34

Tgt Ion: 91 Resp: 583944

Ion Ratio Lower Upper

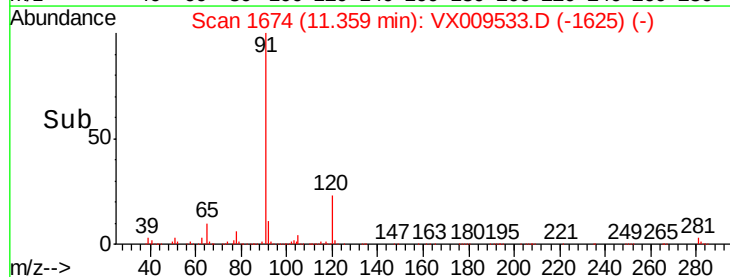
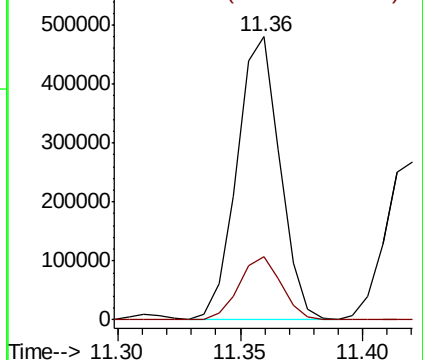
91 100

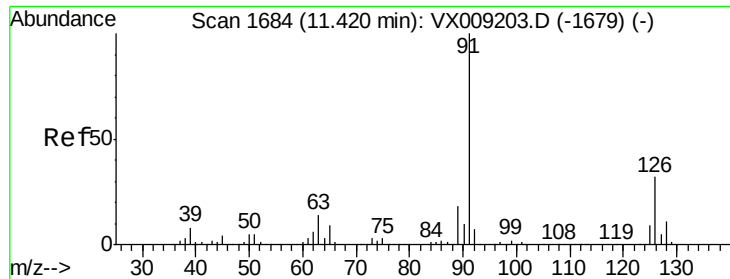
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

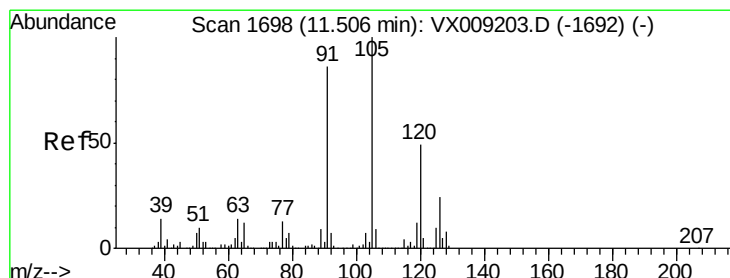
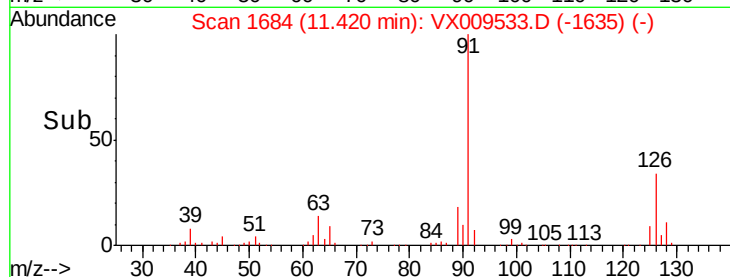
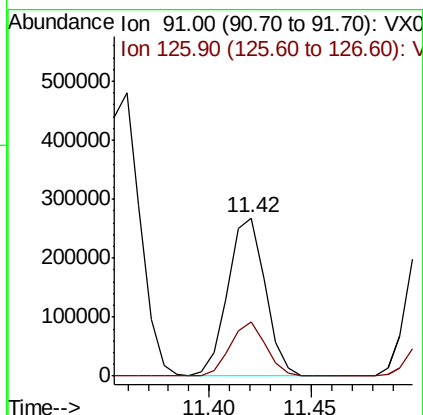
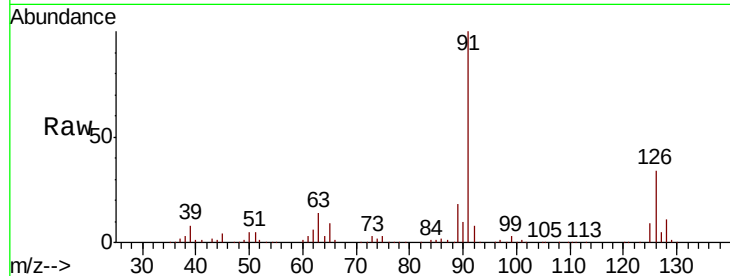




#79
 2-Chlorotoluene
 Concen: 50.171 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

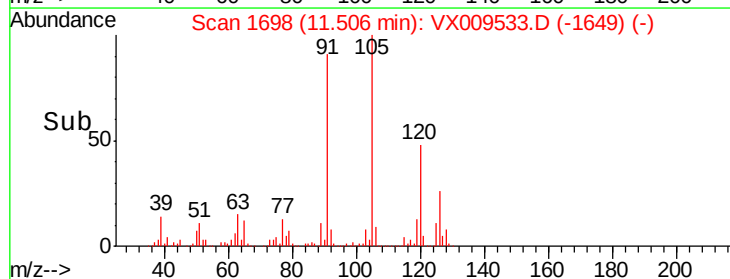
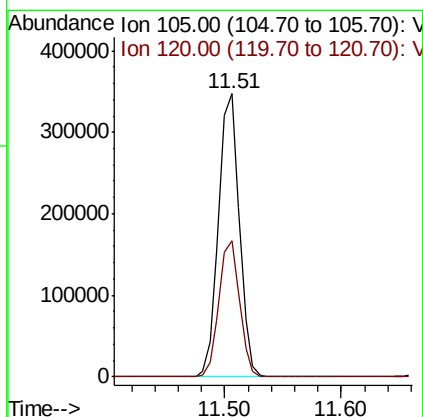
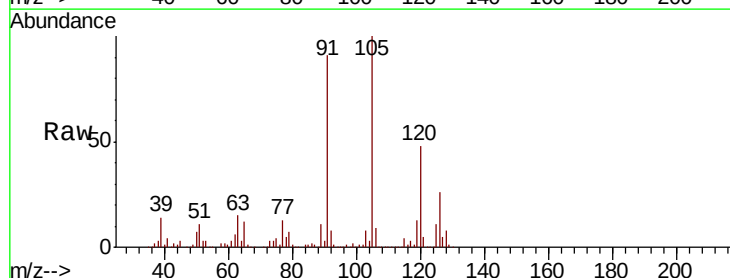
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

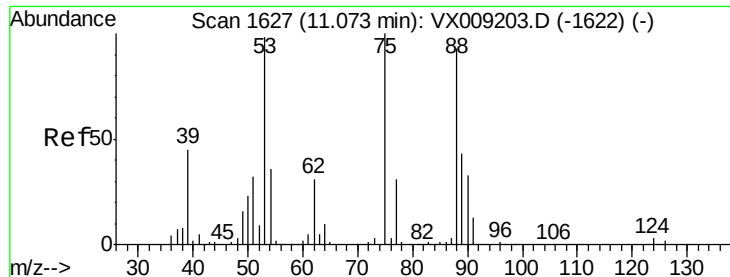
Tot Ion: 91 Resp: 340185
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 52.579 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion: 105 Resp: 426045
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 52.680 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

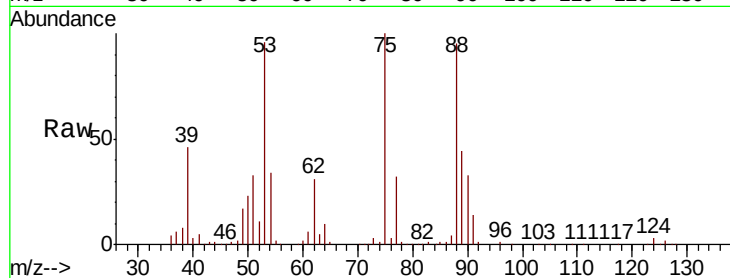
Tot Ion: 75 Resp: 63204

Ion Ratio Lower Upper

75 100

53 98.4 79.0 118.6

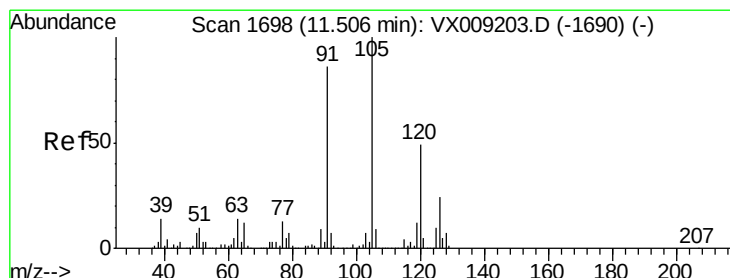
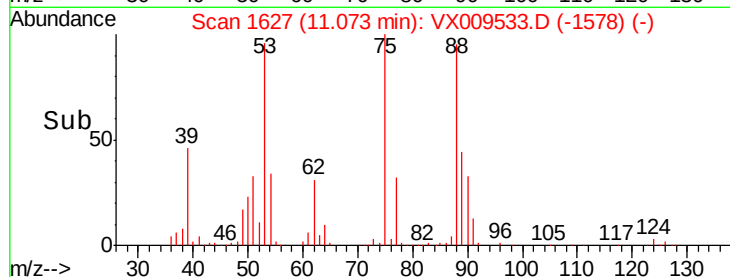
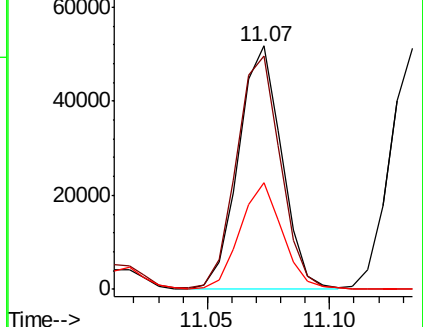
89 43.5 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 52.018 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009533.D

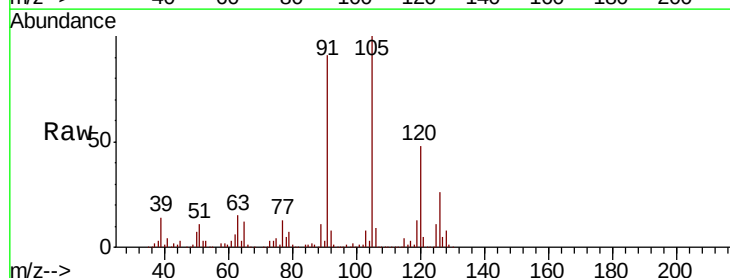
Acq: 13 May 2019 10:34

Tgt Ion: 91 Resp: 398463

Ion Ratio Lower Upper

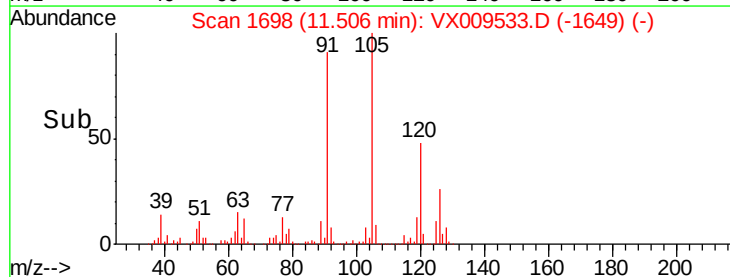
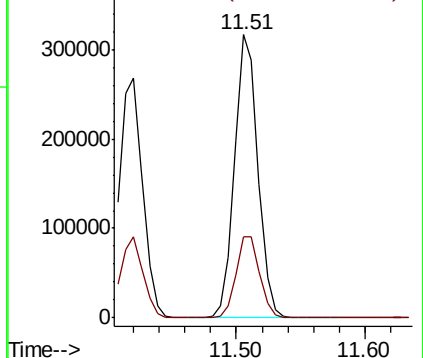
91 100

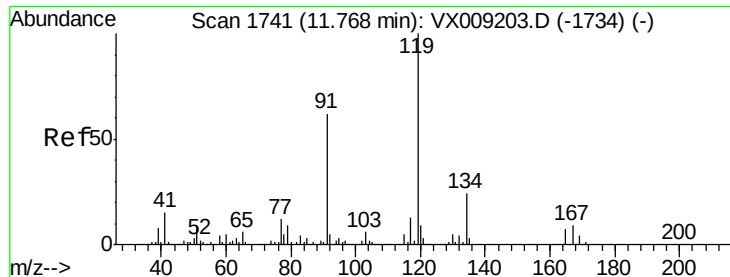
126 29.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

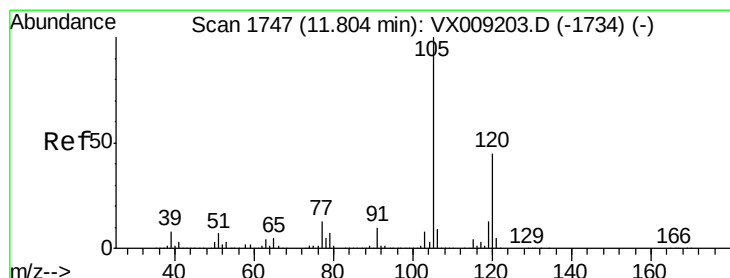
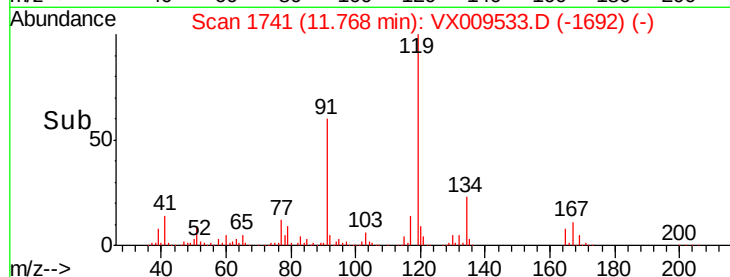
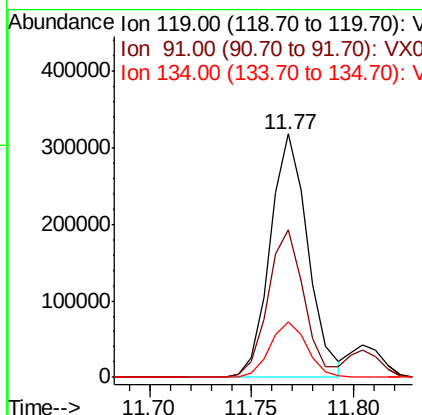
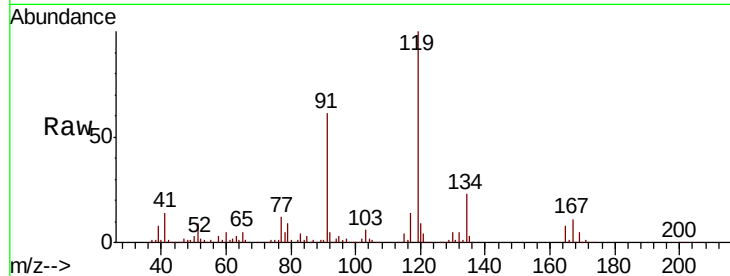




#83
 tert-Butylbenzene
 Concen: 52.020 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

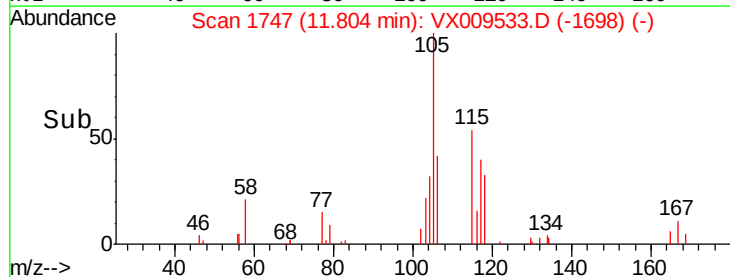
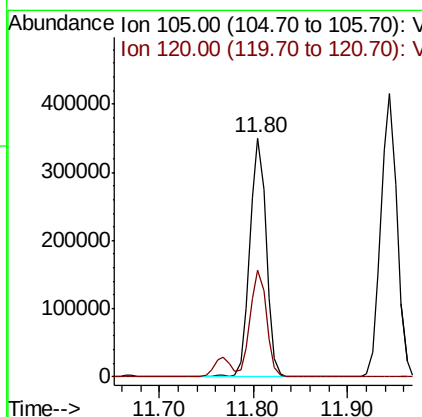
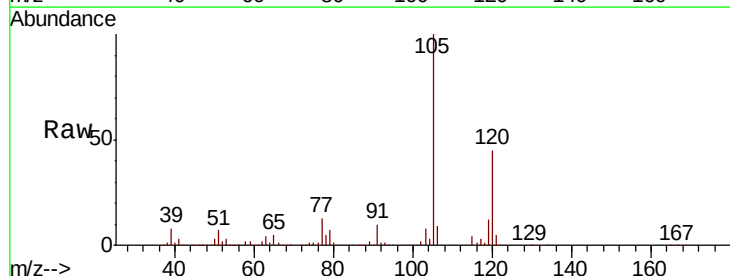
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

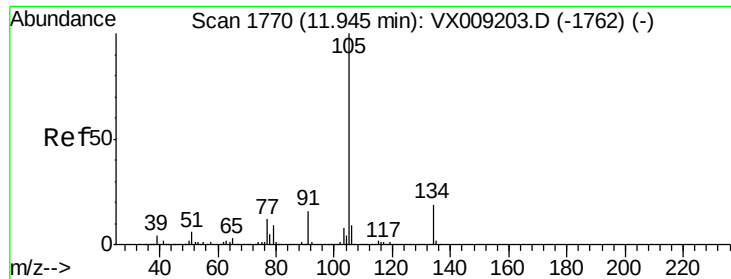
Tot Ion:119 Resp: 410049
 Ion Ratio Lower Upper
 119 100
 91 58.6 29.5 88.5
 134 22.3 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.422 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion:105 Resp: 426363
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 53.058 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

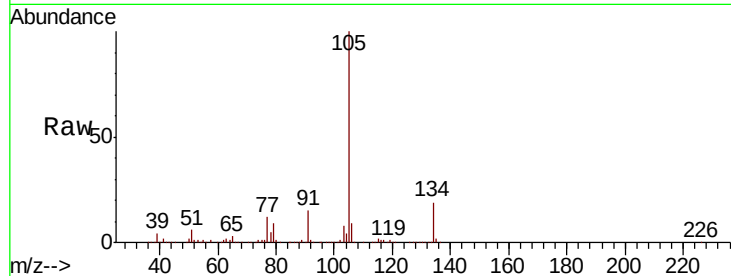
VSTDCCC050

Tot Ion:105 Resp: 495842

Ion Ratio Lower Upper

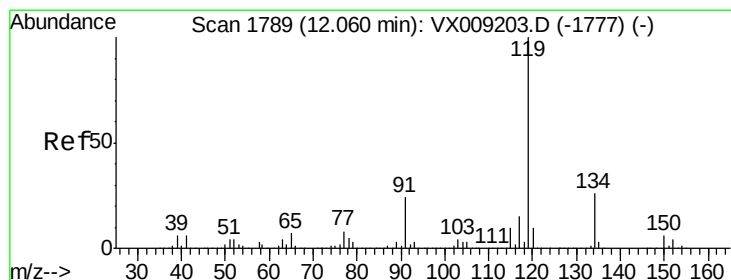
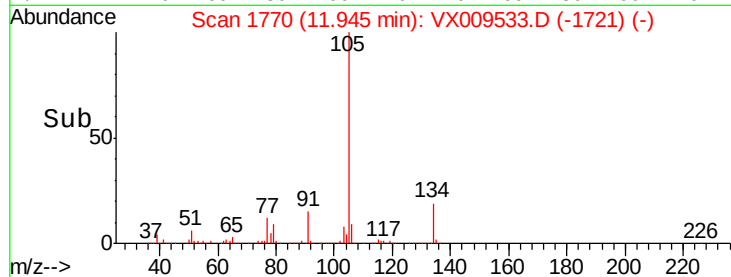
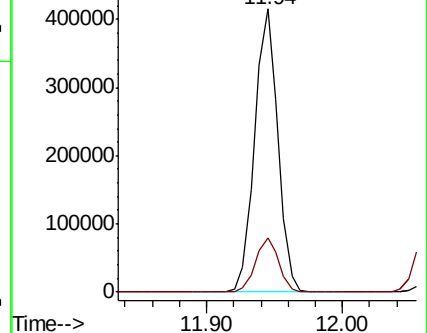
105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.273 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

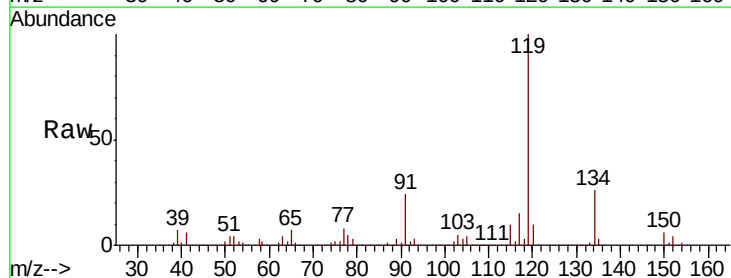
Tgt Ion:119 Resp: 455970

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

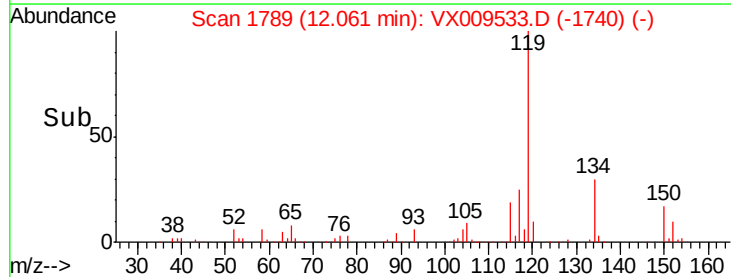
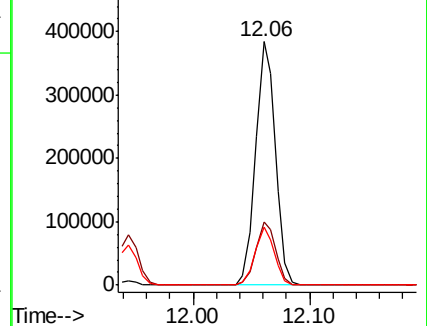
91 23.4 11.8 35.4

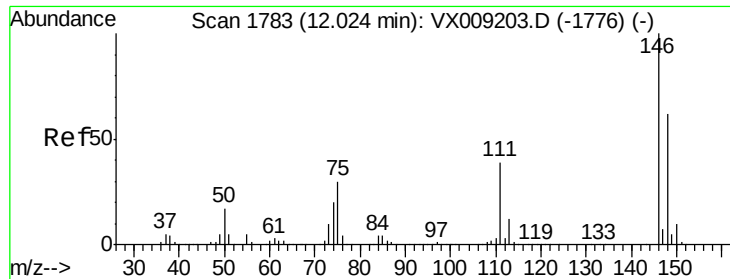


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

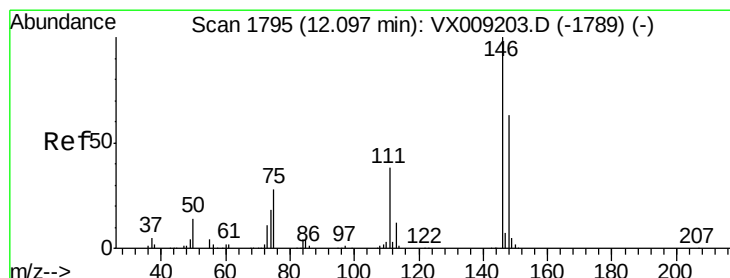
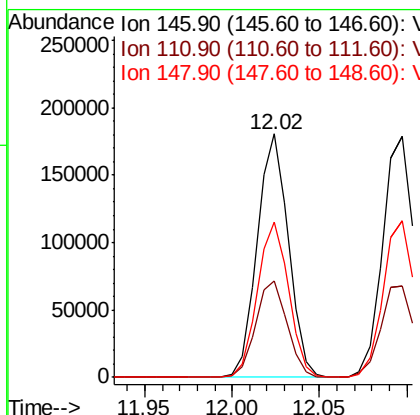
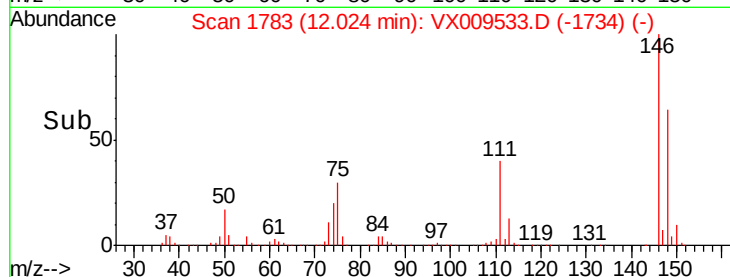
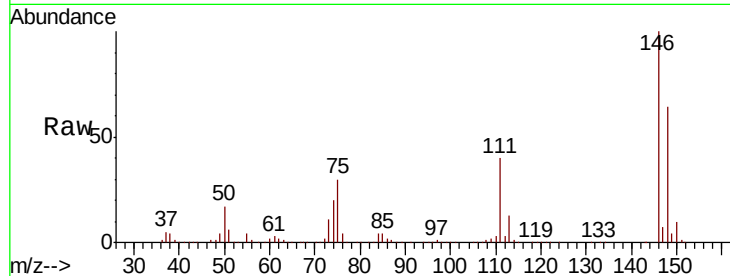




#87
 1,3-Dichlorobenzene
 Concen: 52.505 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

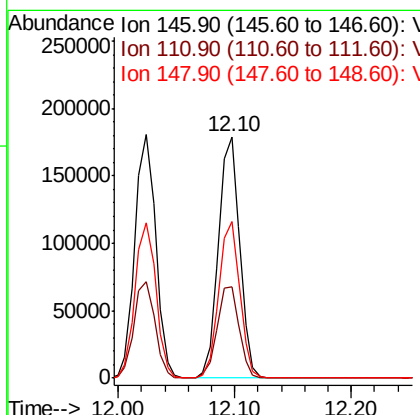
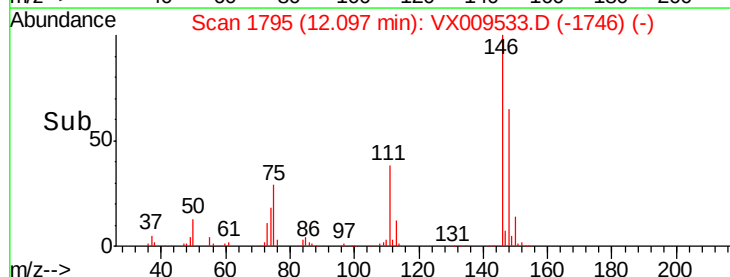
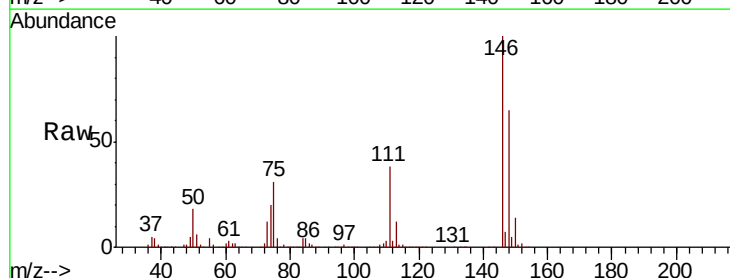
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

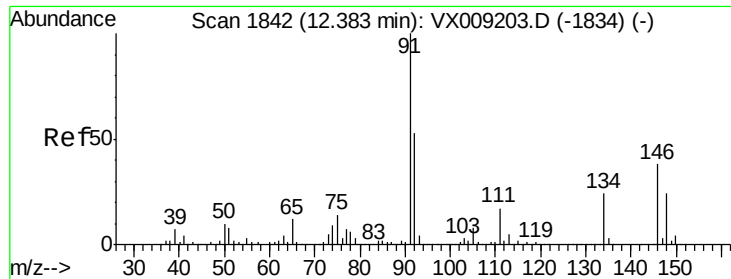
Tot Ion:146 Resp: 223572
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.238 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion:146 Resp: 224253
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 64.5 31.8 95.3

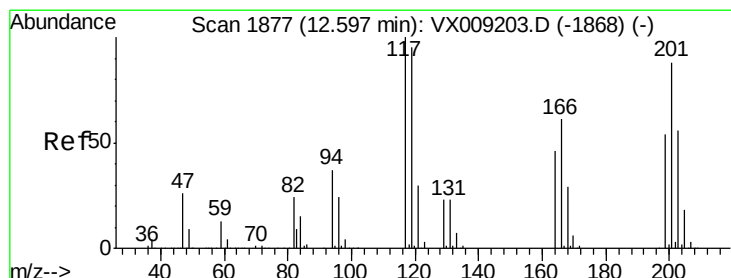
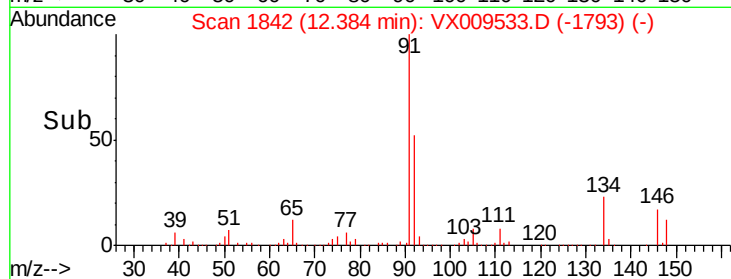
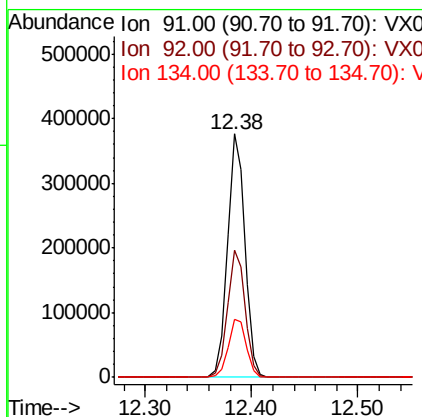
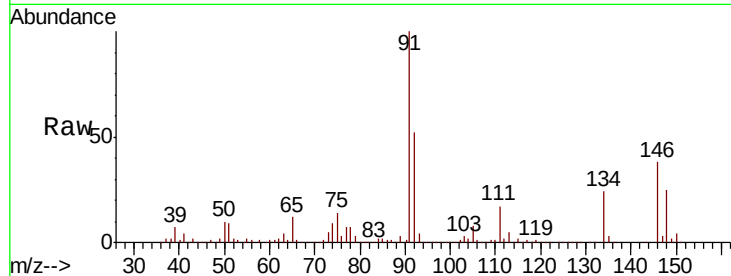




#89
n-Butylbenzene
Concen: 56.646 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

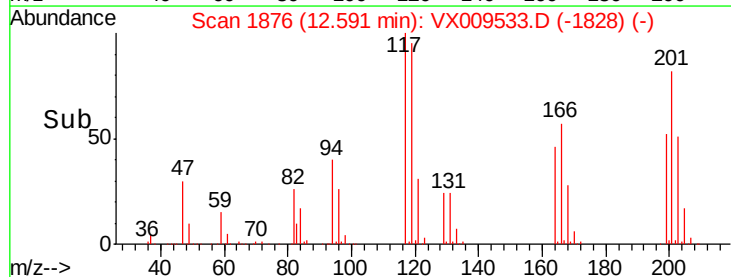
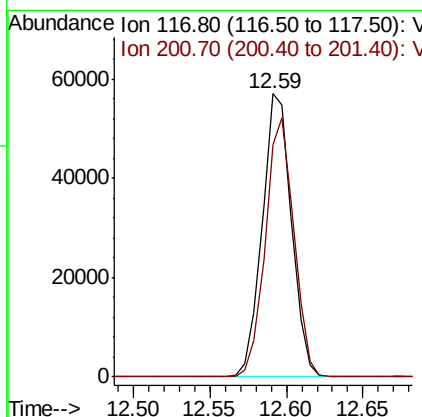
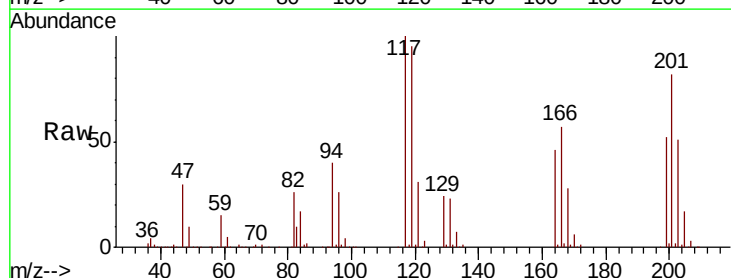
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

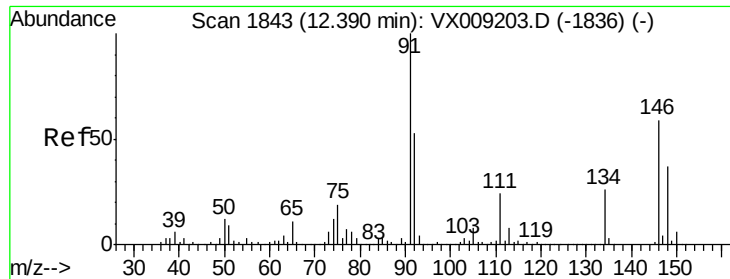
Tot Ion: 91 Resp: 430143
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.5
134 24.8 12.4 37.2



#90
Hexachloroethane
Concen: 53.413 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009533.D
Acq: 13 May 2019 10:34

Tgt Ion: 117 Resp: 76451
Ion Ratio Lower Upper
117 100
201 88.9 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 51.188 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

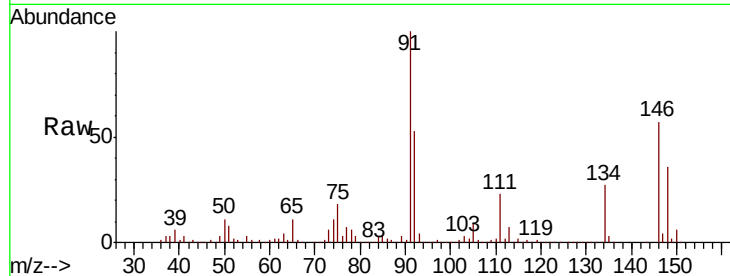
Tot Ion:146 Resp: 222003

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.4

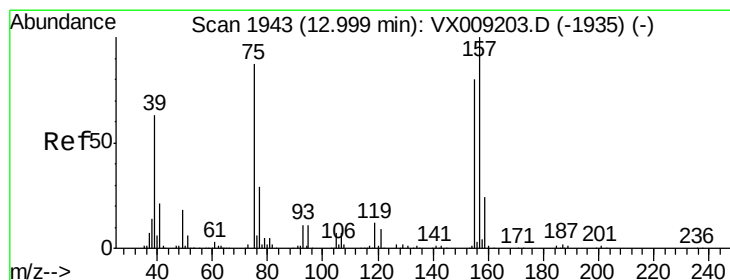
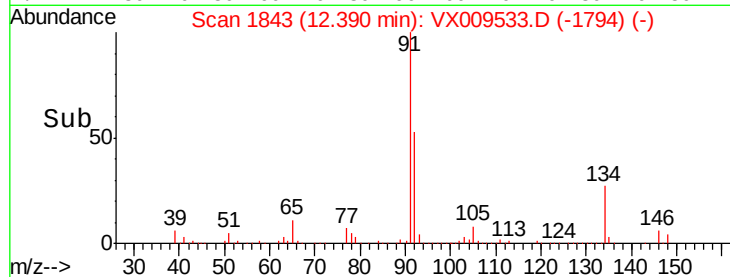
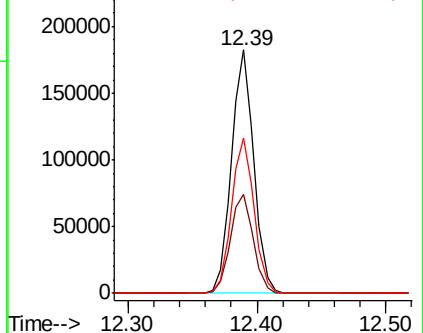
148 64.1 31.9 95.9



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: 47.488 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

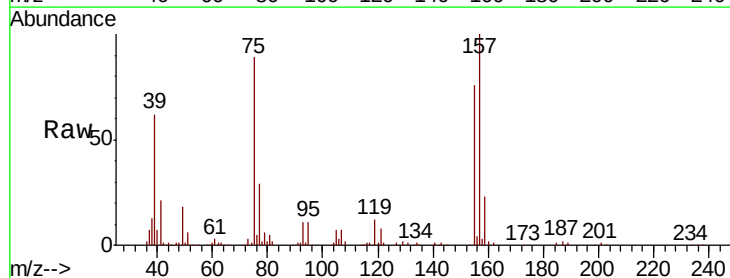
Tgt Ion: 75 Resp: 38217

Ion Ratio Lower Upper

75 100

155 82.2 42.0 126.0

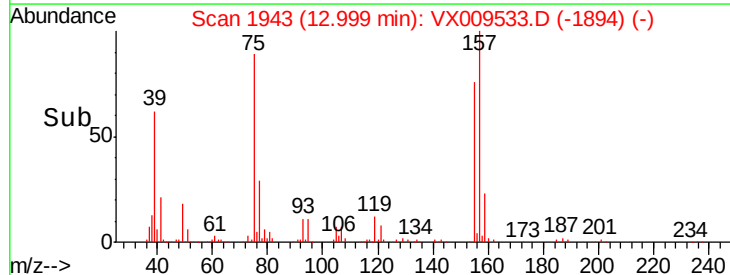
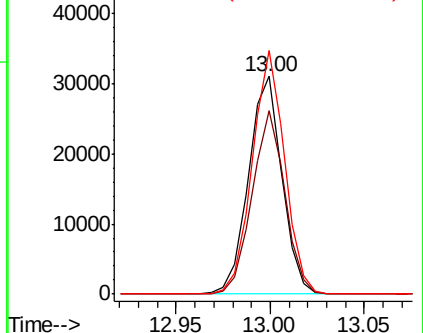
157 107.8 53.2 159.6

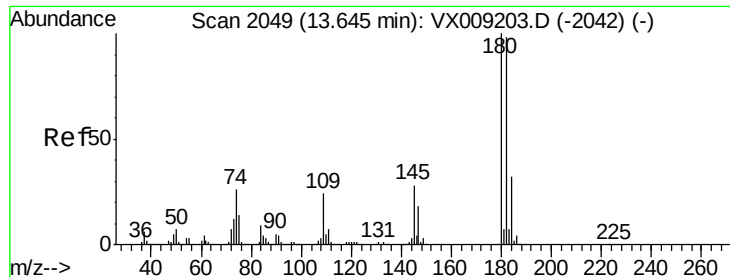


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

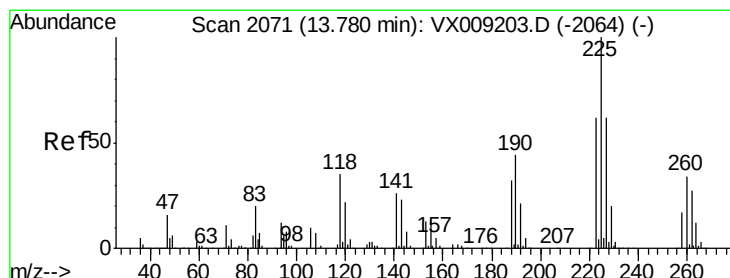
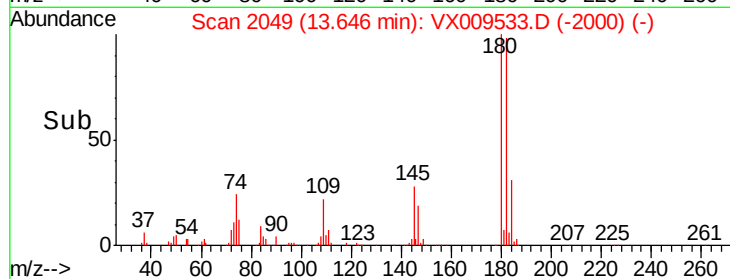
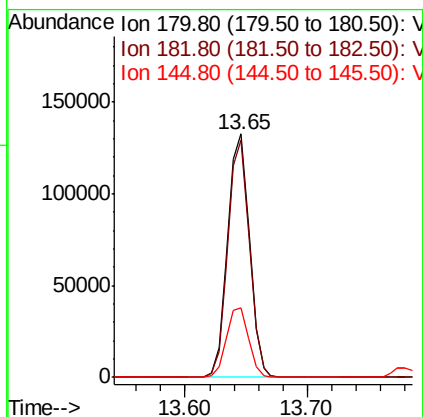
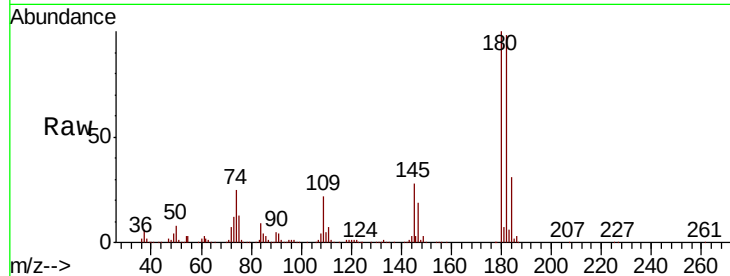




#93
 1,2,4-Trichlorobenzene
 Concen: 55.155 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

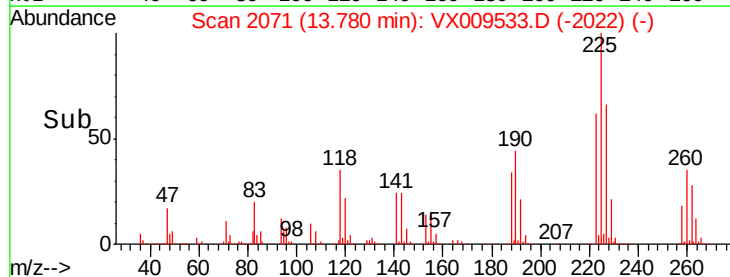
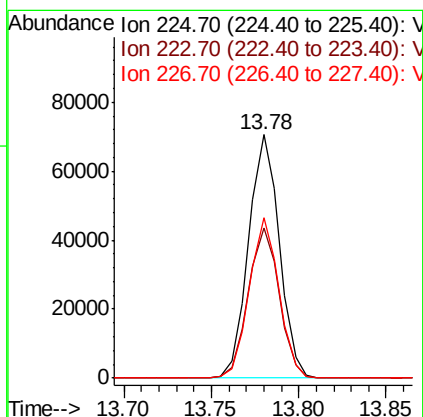
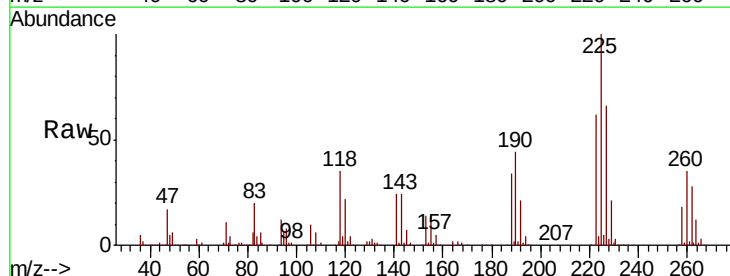
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

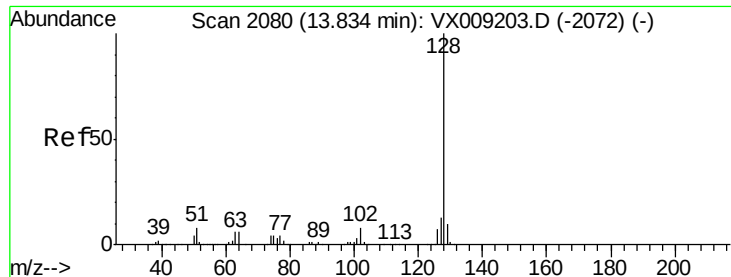
Tot Ion:180 Resp: 163579
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.4 145.2
 145 29.0 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 56.937 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009533.D
 Acq: 13 May 2019 10:34

Tgt Ion:225 Resp: 86232
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.3 93.8
 227 63.5 31.8 95.3





#95

Naphthalene

Concen: 50.828 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

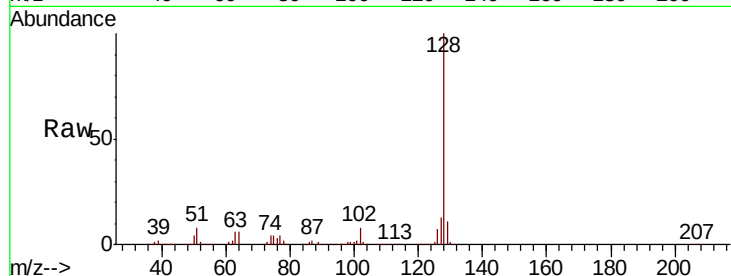
Tot Ion:128 Resp: 490447

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

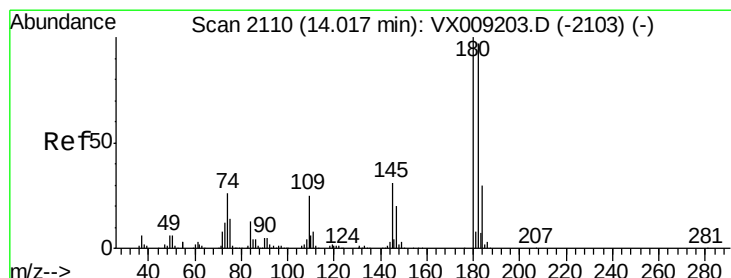
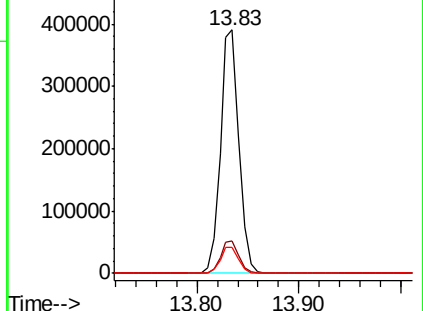
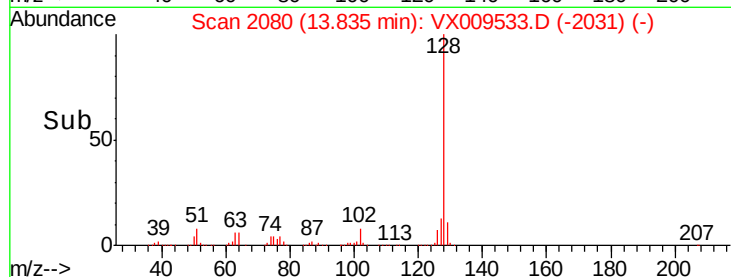
129 10.9 8.6 13.0



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: 53.642 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009533.D

Acq: 13 May 2019 10:34

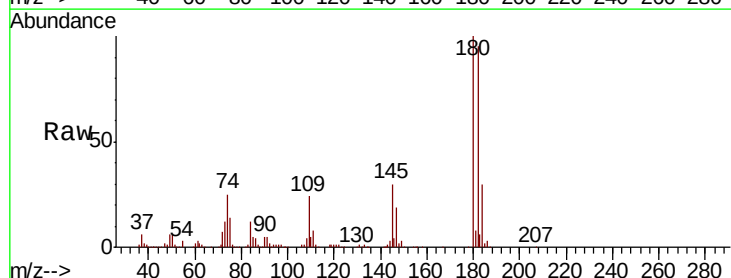
Tgt Ion:180 Resp: 161267

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.4

145 30.1 15.4 46.4



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

