

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010711.D
 Acq On : 08 Jul 2019 21:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 09 01:14:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	309649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	104958	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	5.50	113	101431	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	368289	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.13	95	139562	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	92178	60.303	ug/l	98
3) Chloromethane	1.32	50	97951	55.031	ug/l	99
4) Vinyl Chloride	1.41	62	104140	53.417	ug/l	100
5) Bromomethane	1.64	94	55887	58.842	ug/l	99
6) Chloroethane	1.71	64	67187	58.413	ug/l	98
7) Trichlorofluoromethane	1.92	101	177033	57.283	ug/l	99
8) Diethyl Ether	2.19	74	61687	55.659	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	100595	53.712	ug/l	99
10) Methyl Iodide	2.51	142	132284	49.492	ug/l	97
11) Tert butyl alcohol	3.05	59	126162	233.886	ug/l	98
12) 1,1-Dichloroethene	2.37	96	102185	53.619	ug/l	98
13) Acrolein	2.29	56	77530	216.663	ug/l	100
14) Allyl chloride	2.73	41	146197	54.035	ug/l	97
15) Acrylonitrile	3.14	53	293583	274.894	ug/l	100
16) Acetone	2.45	43	235220	227.674	ug/l	97
17) Carbon Disulfide	2.57	76	256345	50.137	ug/l	99
18) Methyl Acetate	2.78	43	115698	56.188	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	328339	54.766	ug/l	97
20) Methylene Chloride	2.85	84	115660	54.399	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	107297	52.349	ug/l	97
22) Diisopropyl ether	3.85	45	314049	55.517	ug/l	95
23) Vinyl Acetate	3.81	43	1371758	280.702	ug/l	99
24) 1,1-Dichloroethane	3.70	63	179450	54.880	ug/l	98
25) 2-Butanone	4.67	43	396164	261.410	ug/l	99
26) 2,2-Dichloropropane	4.58	77	129329	45.530	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	125211	52.864	ug/l	99
28) Bromochloromethane	5.01	49	77582	49.625	ug/l	93
29) Tetrahydrofuran	5.13	42	258099	274.952	ug/l	99
30) Chloroform	5.21	83	191980	54.568	ug/l	98
31) Cyclohexane	5.57	56	162491	54.570	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	169121	54.440	ug/l	99
36) 1,1-Dichloropropene	5.80	75	138448	52.186	ug/l	99
37) Ethyl Acetate	4.84	43	149760	54.872	ug/l	99
38) Carbon Tetrachloride	5.78	117	148665	51.749	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	177082	50.780	ug/l	99
40) Benzene	6.14	78	440470	53.292	ug/l	99
41) Methacrylonitrile	5.04	41	79674	53.205	ug/l	99
42) 1,2-Dichloroethane	6.19	62	143532	57.049	ug/l	98
43) Isopropyl Acetate	6.45	43	245594	54.389	ug/l	97
44) Trichloroethene	7.21	130	127840	51.691	ug/l	99
45) 1,2-Dichloropropane	7.51	63	110156	52.777	ug/l	100
46) Dibromomethane	7.66	93	79525	53.105	ug/l	97
47) Bromodichloromethane	7.90	83	143192	52.177	ug/l	99
48) Methyl methacrylate	7.77	41	116760	55.630	ug/l	97
49) 1,4-Dioxane	7.74	88	62386	1031.807	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	805728	278.998	ug/l	98
52) Toluene	8.79	92	285300	52.417	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	157619	51.228	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	172482	51.585	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118803	52.924	ug/l	99
56) Ethyl methacrylate	9.18	69	183701	54.021	ug/l	96
57) 1,3-Dichloropropane	9.37	76	186933	53.646	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	385658	238.796	ug/l	99
59) 2-Hexanone	9.49	43	622623	273.932	ug/l	98
60) Dibromochloromethane	9.58	129	130126	51.773	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127706	52.706	ug/l	100
64) Tetrachloroethene	9.34	164	122138	48.767	ug/l	98
65) Chlorobenzene	10.13	112	322244	51.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	118540	51.767	ug/l	99
67) Ethyl Benzene	10.25	91	555727	52.363	ug/l	99
68) m/p-Xylenes	10.36	106	434442	105.646	ug/l	99
69) o-Xylene	10.69	106	211959	52.413	ug/l	99
70) Styrene	10.71	104	360759	53.194	ug/l	98
71) Bromoform	10.85	173	98612	49.521	ug/l	99
73) Isopropylbenzene	11.02	105	564088	51.232	ug/l	99
74) N-amyl acetate	10.90	43	225155	54.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	185668	50.918	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	207646	70.154	ug/l	79
77) Bromobenzene	11.26	156	153055	49.783	ug/l	98
78) n-propylbenzene	11.36	91	629867	52.050	ug/l	99
79) 2-Chlorotoluene	11.42	91	372112	51.640	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	473729	52.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55462	43.714	ug/l	92
82) 4-Chlorotoluene	11.51	91	428453	52.253	ug/l	100
83) tert-Butylbenzene	11.77	119	466830	51.242	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	478464	52.466	ug/l	100
85) sec-Butylbenzene	11.94	105	549157	51.339	ug/l	99
86) p-Isopropyltoluene	12.06	119	509884	51.534	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	270024	50.315	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	267740	49.005	ug/l	99
89) n-Butylbenzene	12.38	91	434980	51.737	ug/l	99
90) Hexachloroethane	12.60	117	82652	48.311	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	266226	49.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38994	49.599	ug/l	93

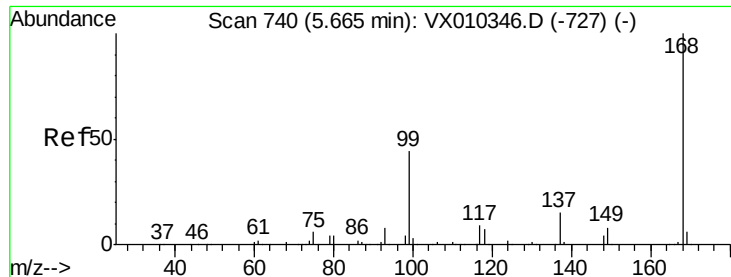
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181733	49.132	ug/l	99
94) Hexachlorobutadiene	13.78	225	87784	48.559	ug/l	98
95) Naphthalene	13.83	128	576637	50.729	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	184780	50.244	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: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

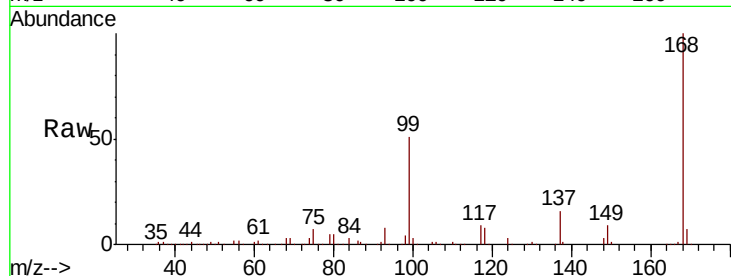
VSTDCCC050

Tot Ion:168 Resp: 219866

Ion Ratio Lower Upper

168 100

99 50.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

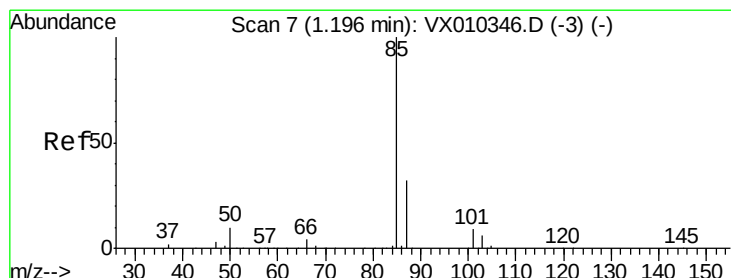
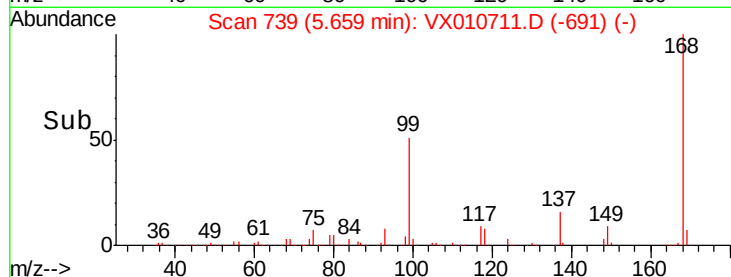
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 60.303 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010711.D

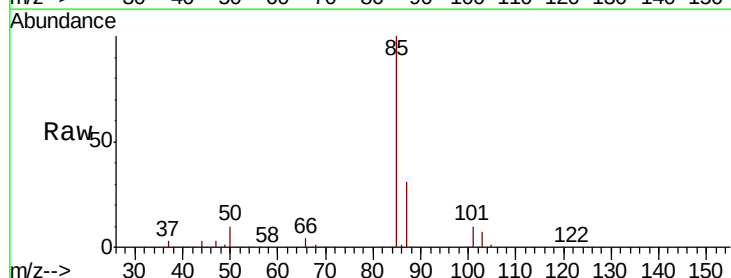
Acq: 08 Jul 2019 21:39

Tgt Ion: 85 Resp: 92178

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

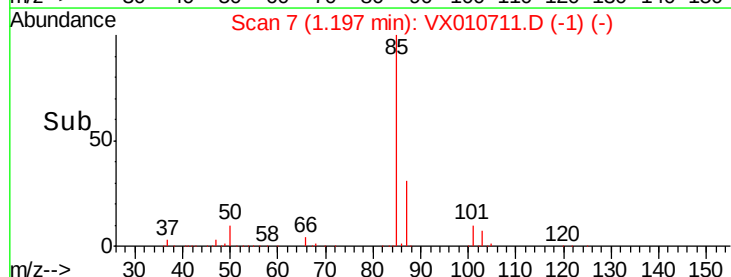
40000

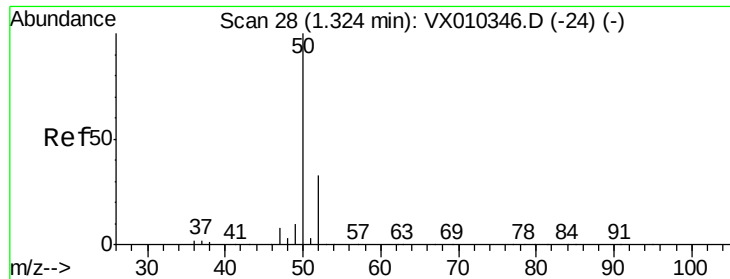
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 55.031 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

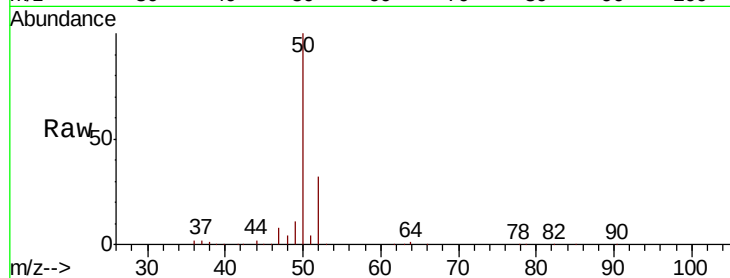
VSTDCCC050

Tot Ion: 50 Resp: 97951

Ion Ratio Lower Upper

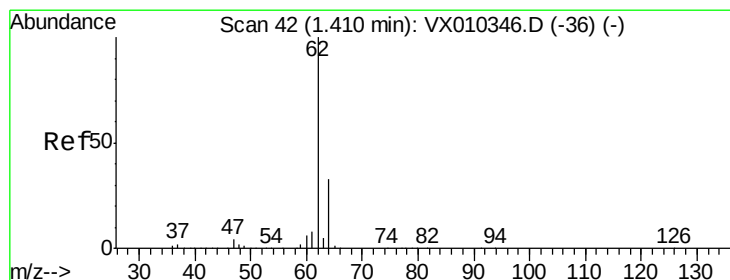
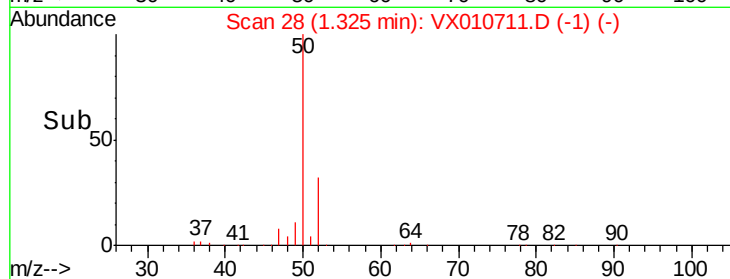
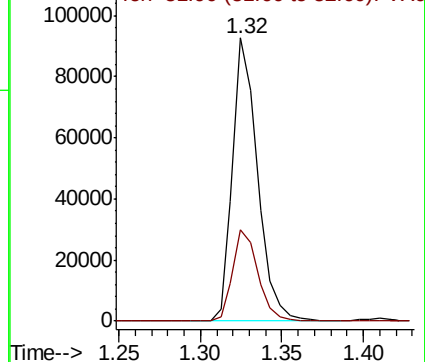
50 100

52 32.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.417 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010711.D

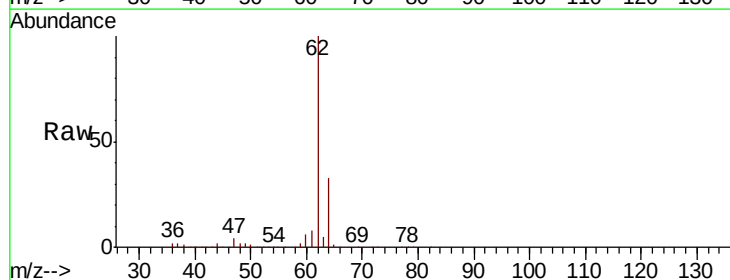
Acq: 08 Jul 2019 21:39

Tgt Ion: 62 Resp: 104140

Ion Ratio Lower Upper

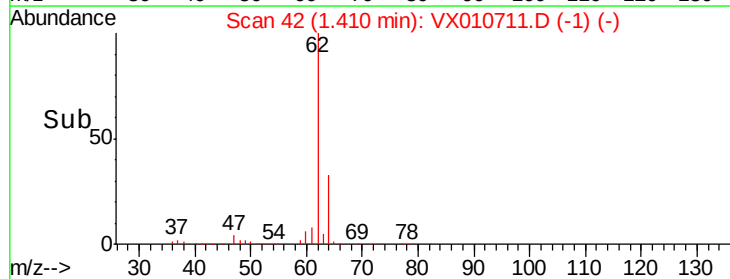
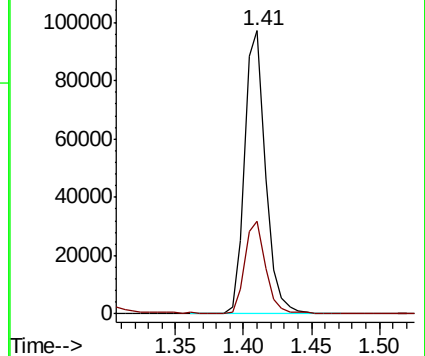
62 100

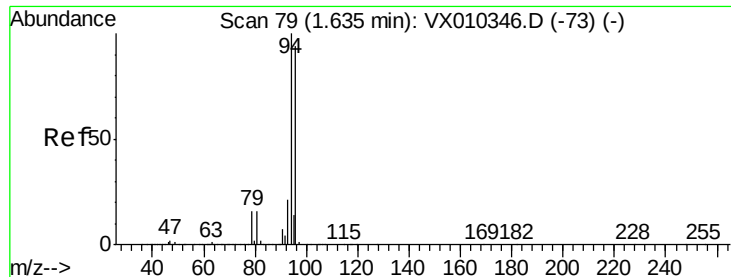
64 32.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 58.842 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

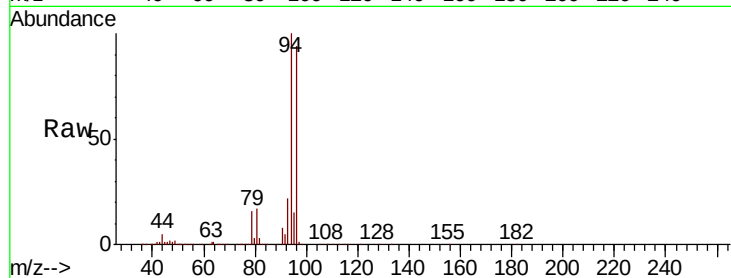
VSTDCCC050

Tot Ion: 94 Resp: 55887

Ion Ratio Lower Upper

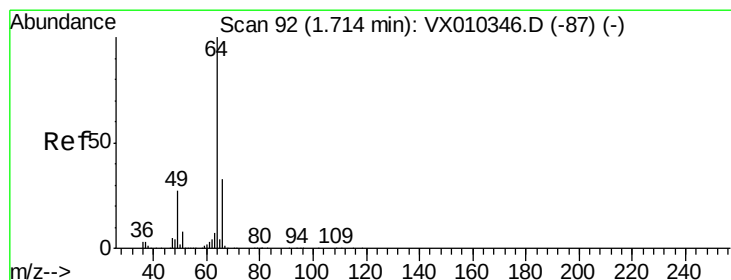
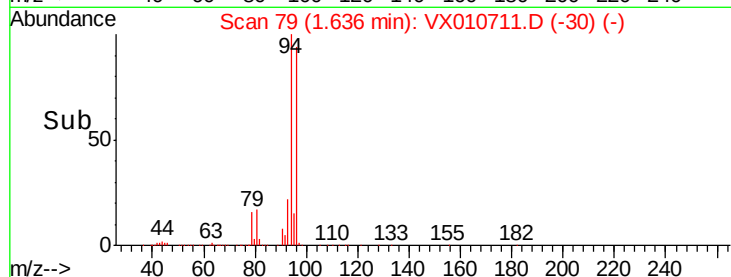
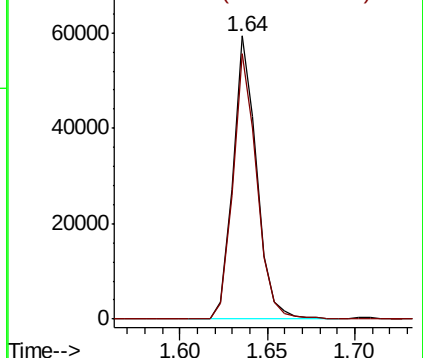
94 100

96 93.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.413 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010711.D

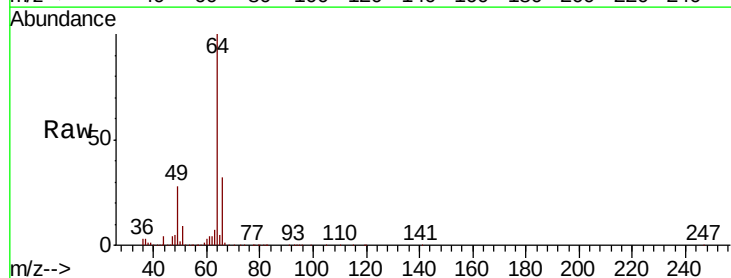
Acq: 08 Jul 2019 21:39

Tgt Ion: 64 Resp: 67187

Ion Ratio Lower Upper

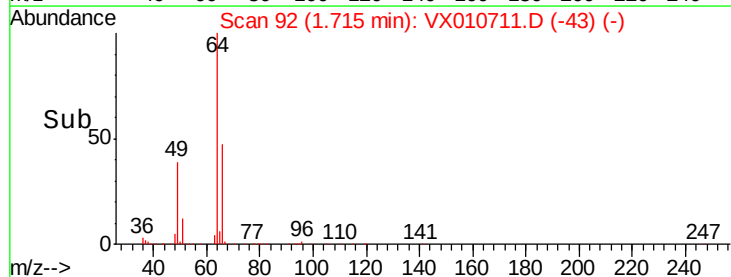
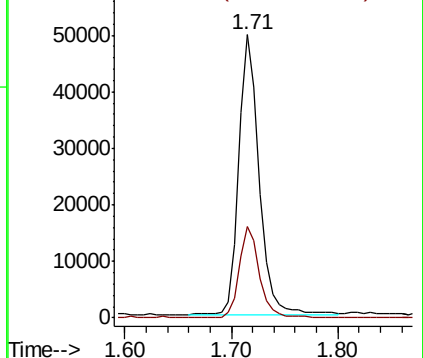
64 100

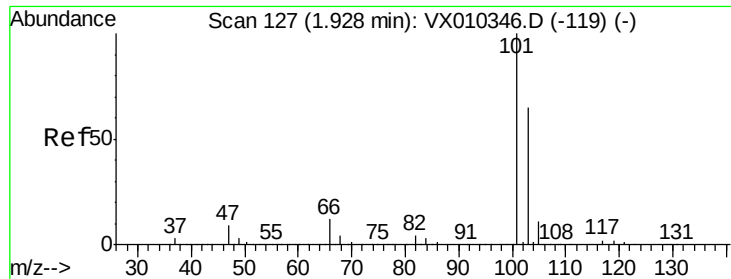
66 32.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



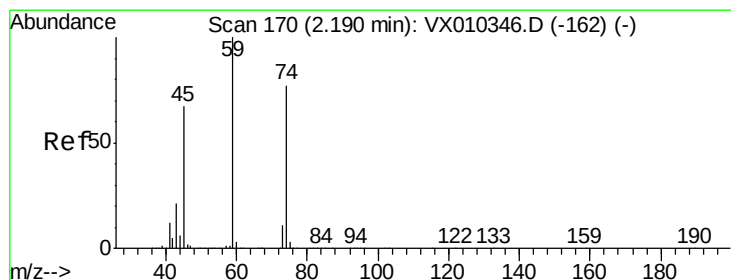
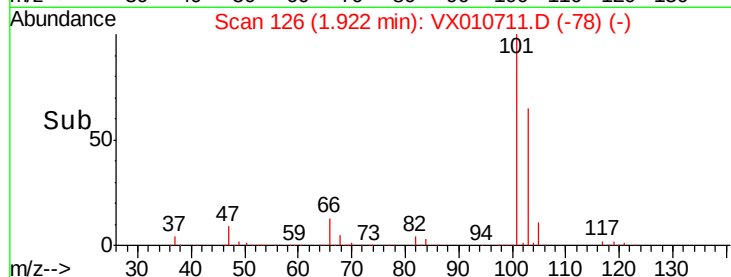
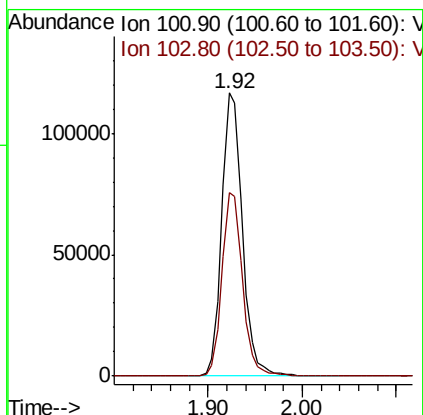
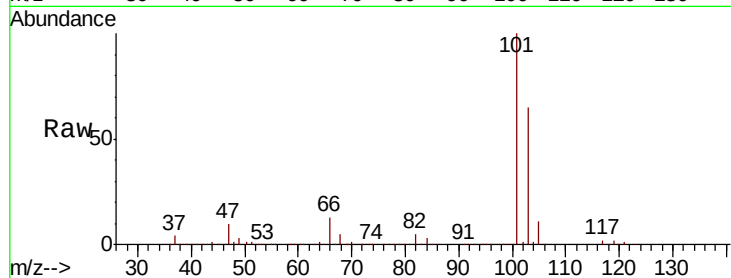


#7

Trichlorofluoromethane
 Concen: 57.283 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

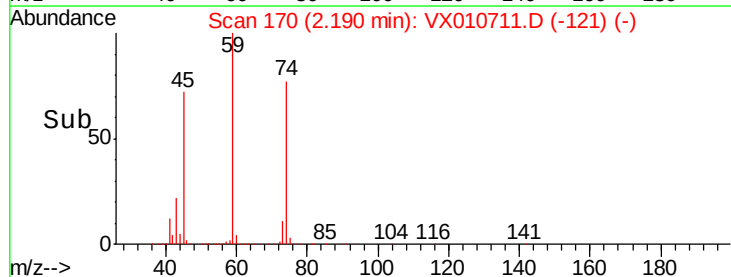
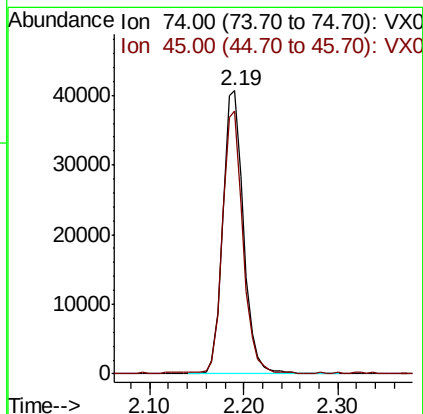
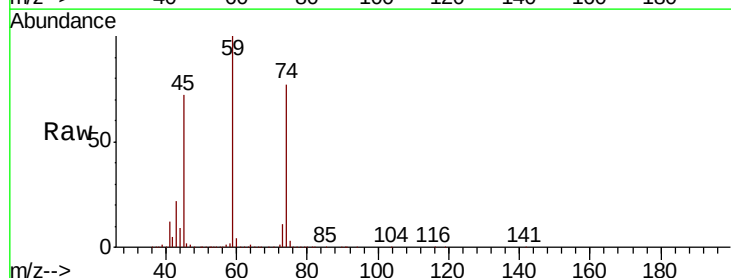
Tot Ion:101 Resp: 177033
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5

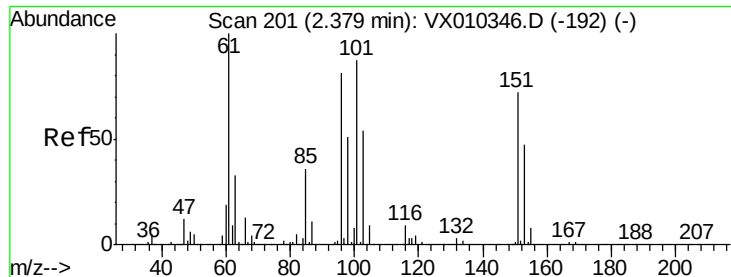


#8

Diethyl Ether
 Concen: 55.659 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 74 Resp: 61687
 Ion Ratio Lower Upper
 74 100
 45 91.4 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.712 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

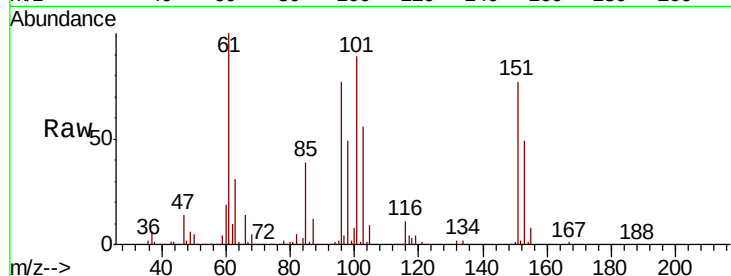
Tot Ion:101 Resp: 100595

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

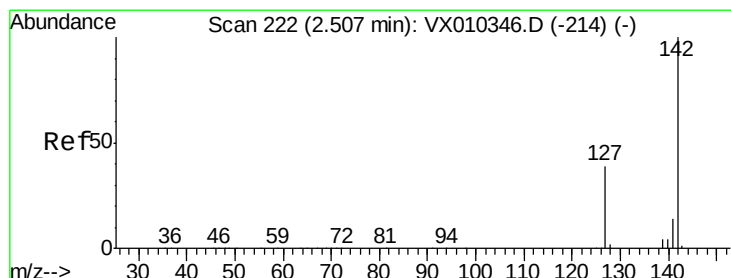
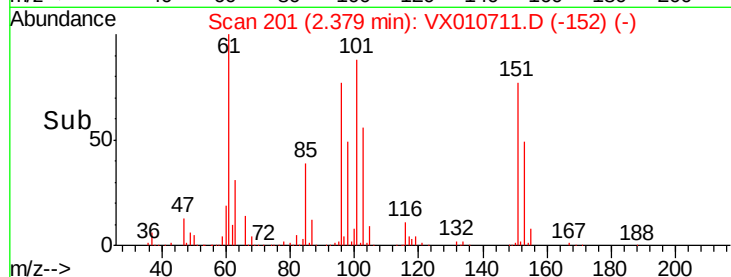
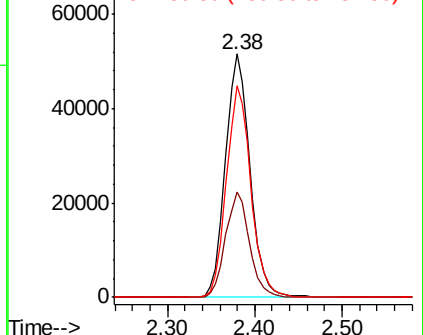
151 86.8 70.1 105.1



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: 49.492 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

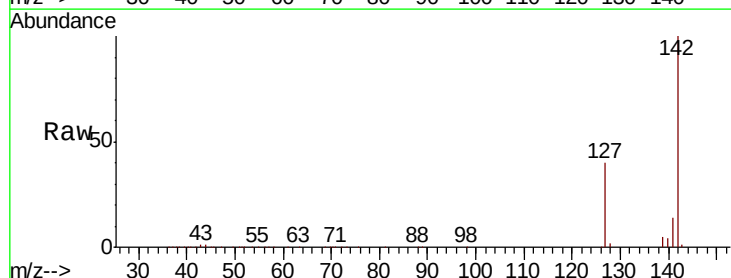
Tgt Ion:142 Resp: 132284

Ion Ratio Lower Upper

142 100

127 41.2 31.1 46.7

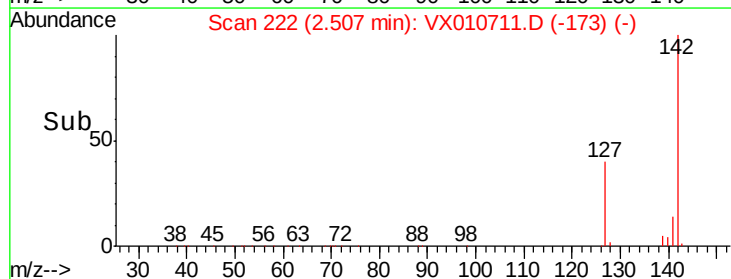
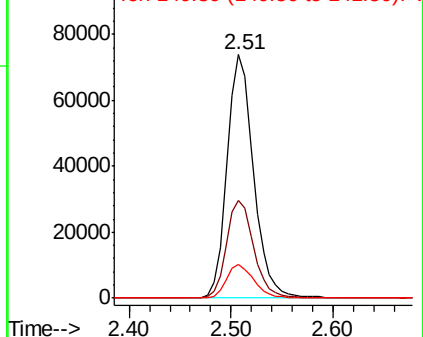
141 14.3 11.2 16.8

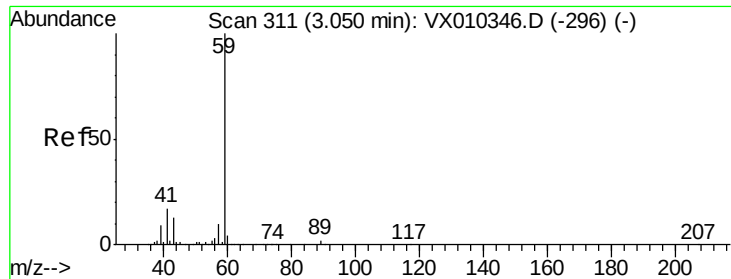


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



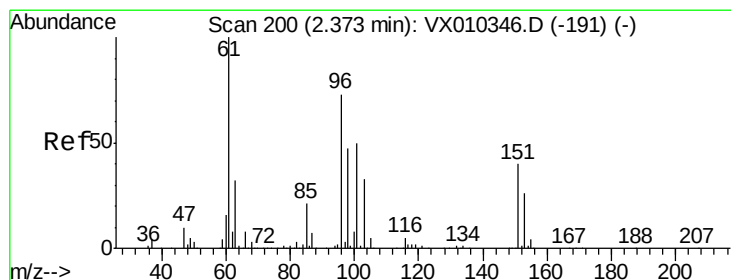
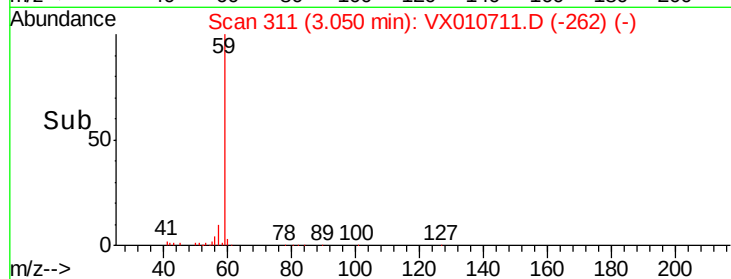
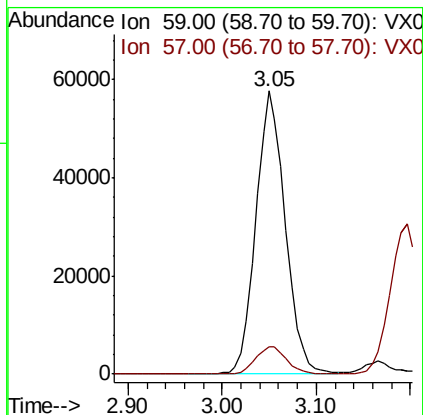
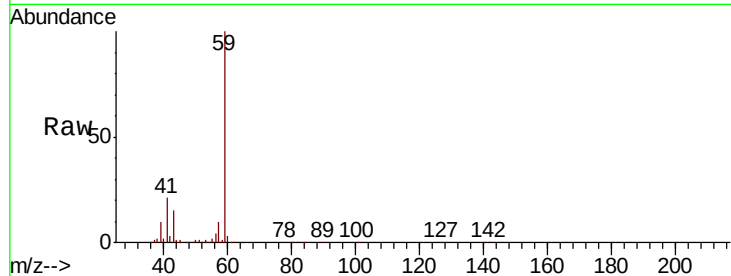


#11

Tert butyl alcohol
Concen: 233.886 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

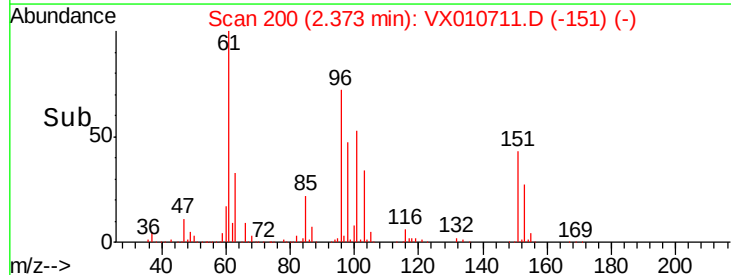
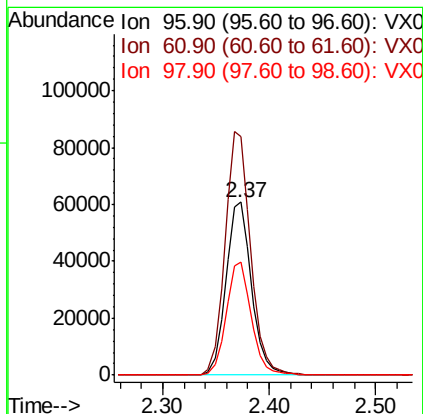
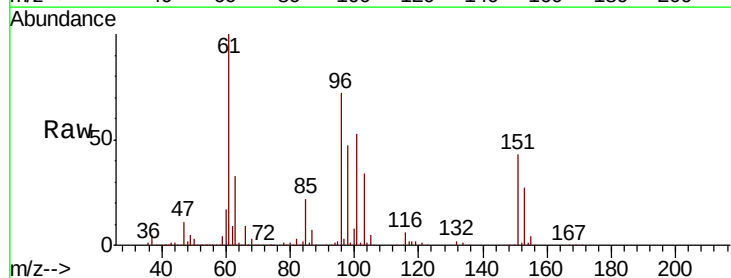
Tot Ion: 59 Resp: 126162
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

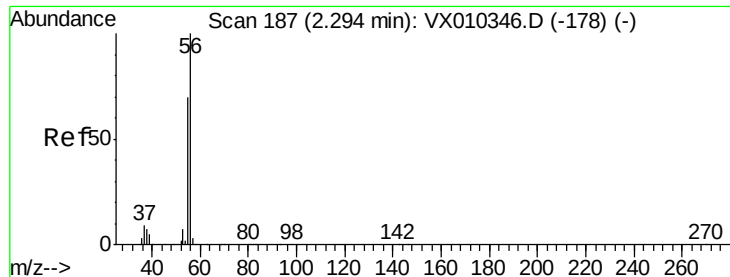


#12

1,1-Dichloroethene
Concen: 53.619 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 96 Resp: 102185
Ion Ratio Lower Upper
96 100
61 138.1 109.2 163.8
98 65.5 51.1 76.7





#13

Acrolein

Concen: 216.663 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

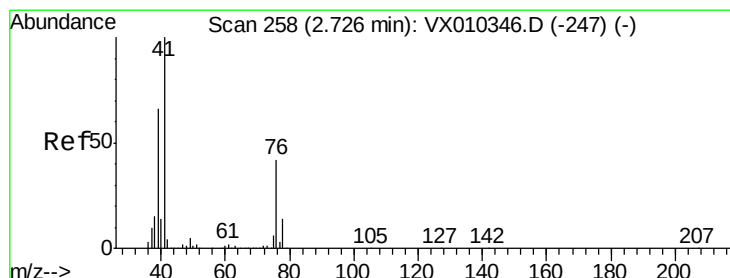
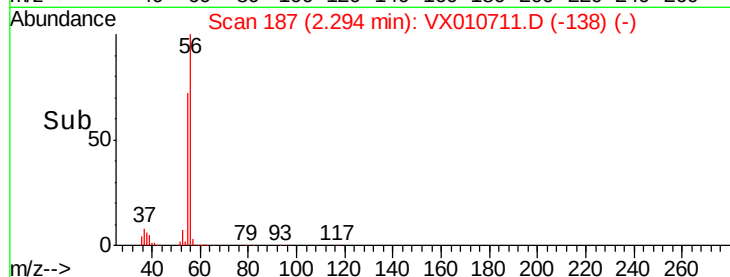
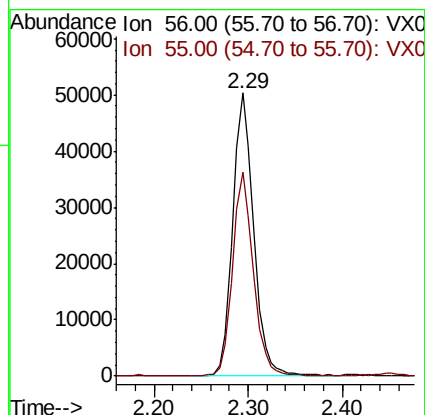
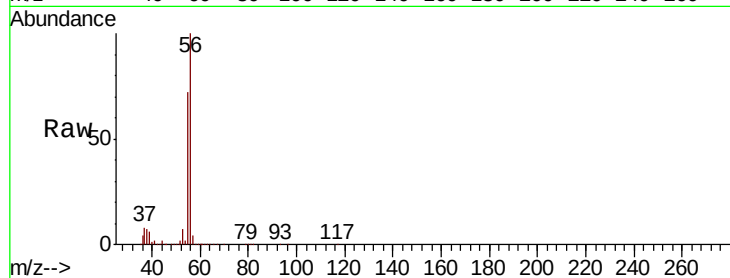
VSTDCCC050

Tot Ion: 56 Resp: 77530

Ion Ratio Lower Upper

56 100

55 70.8 56.9 85.3



#14

Allyl chloride

Concen: 54.035 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

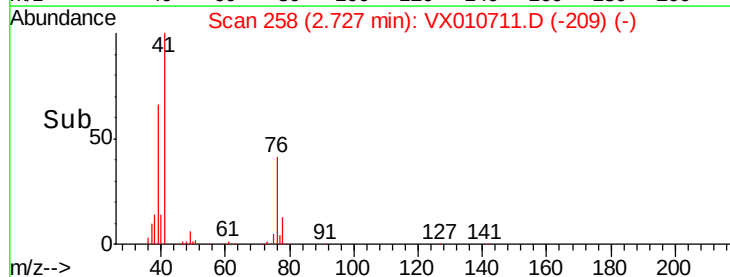
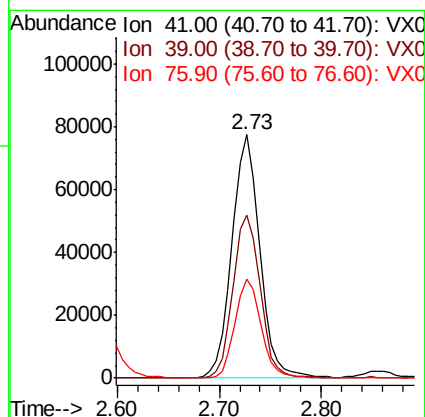
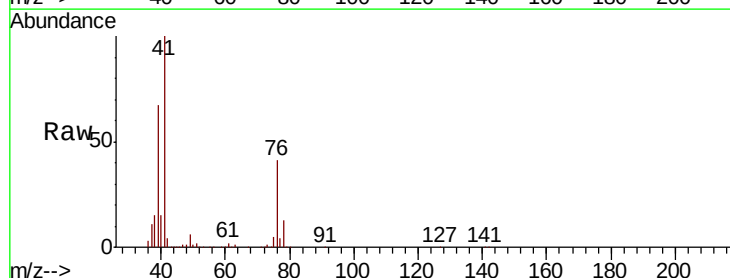
Tgt Ion: 41 Resp: 146197

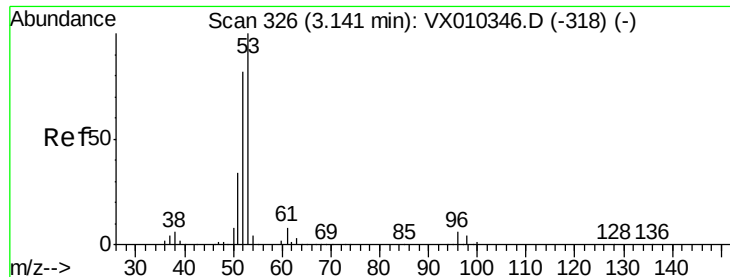
Ion Ratio Lower Upper

41 100

39 65.8 50.3 75.5

76 38.0 31.3 46.9





#15

Acrylonitrile

Concen: 274.894 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

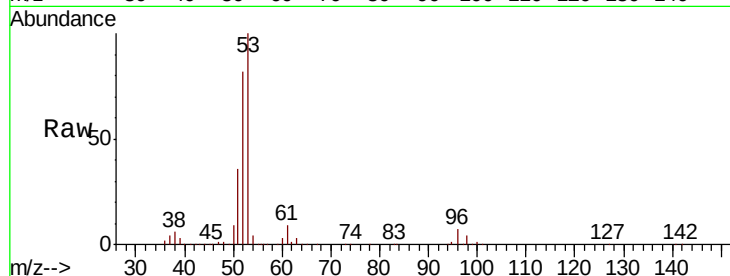
Tot Ion: 53 Resp: 293583

Ion Ratio Lower Upper

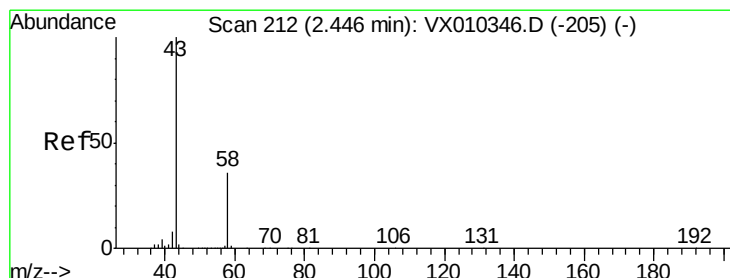
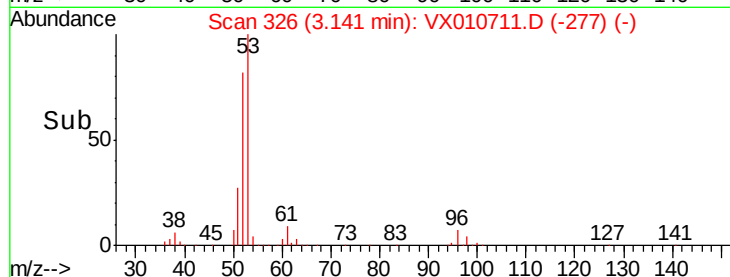
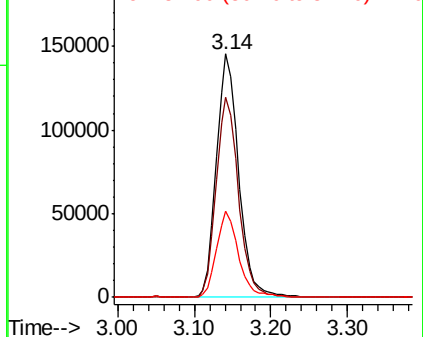
53 100

52 82.3 65.5 98.3

51 35.0 28.2 42.4



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: 227.674 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010711.D

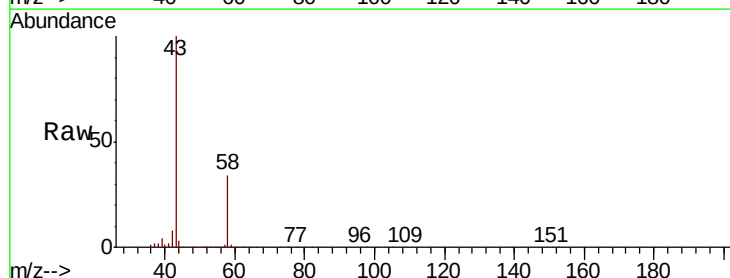
Acq: 08 Jul 2019 21:39

Tgt Ion: 43 Resp: 235220

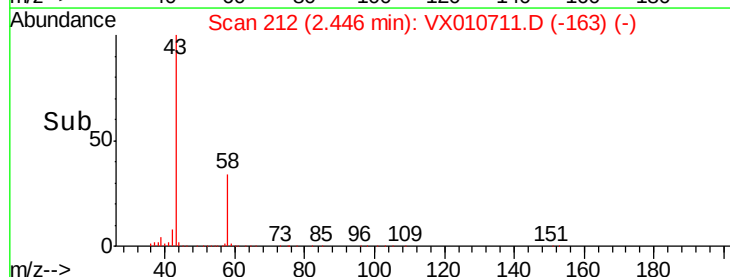
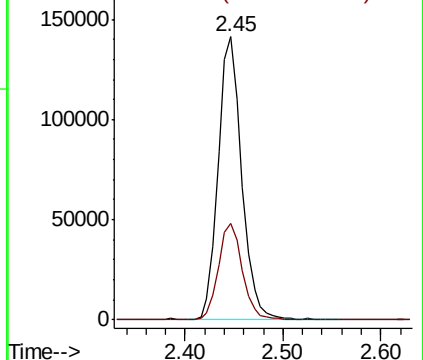
Ion Ratio Lower Upper

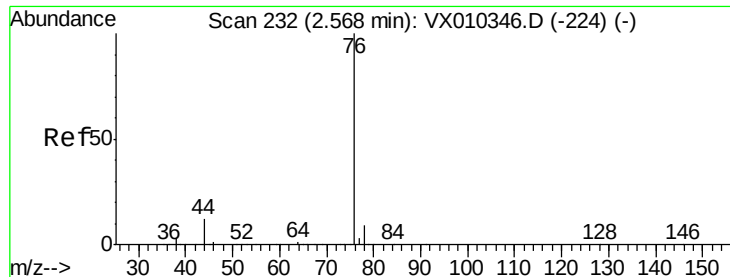
43 100

58 34.2 28.9 43.3



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





#17

Carbon Disulfide

Concen: 50.137 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

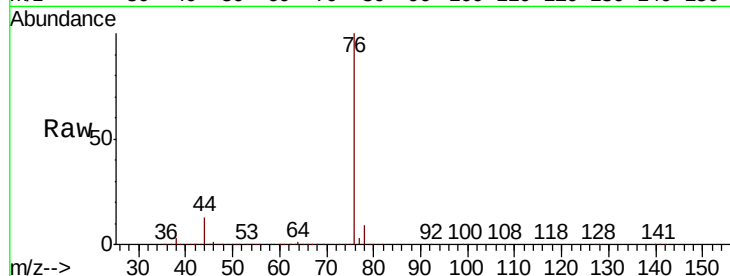
VSTDCCC050

Tot Ion: 76 Resp: 256345

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

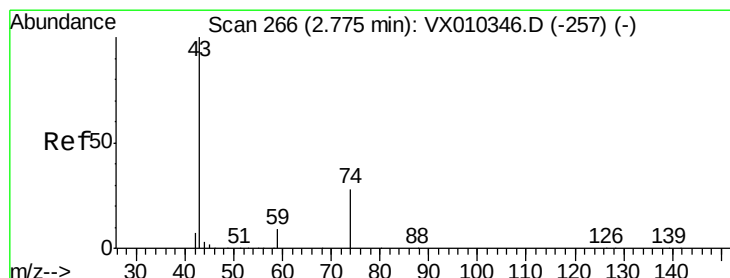
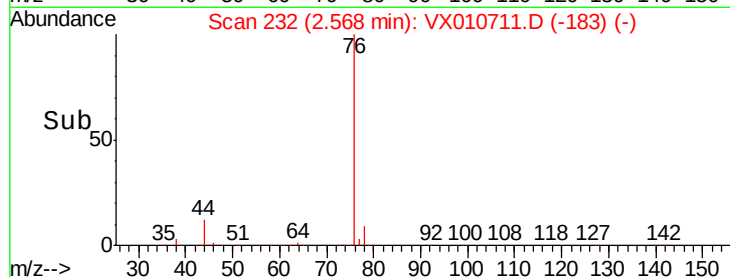
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 56.188 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010711.D

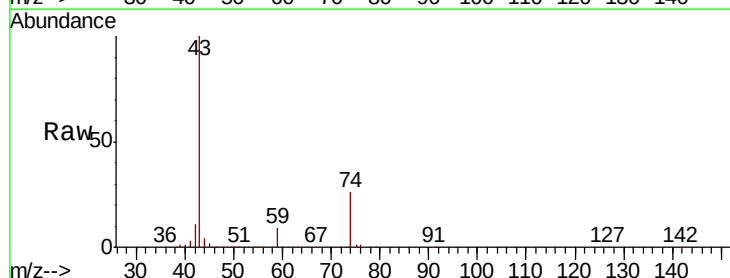
Acq: 08 Jul 2019 21:39

Tgt Ion: 43 Resp: 115698

Ion Ratio Lower Upper

43 100

74 27.1 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

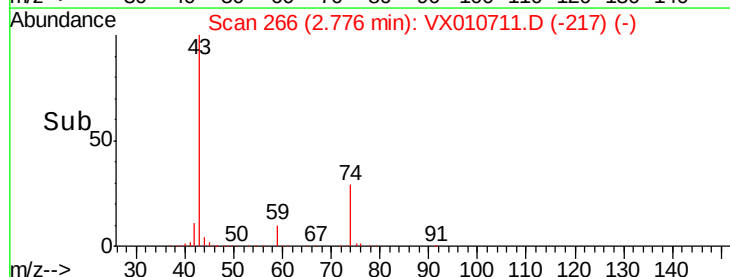
40000

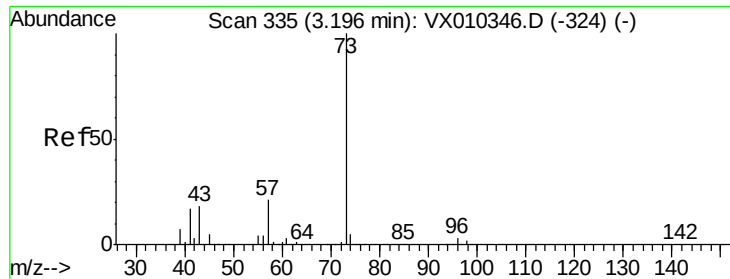
20000

0

2.70 2.75 2.80 2.85 2.90

Time-->

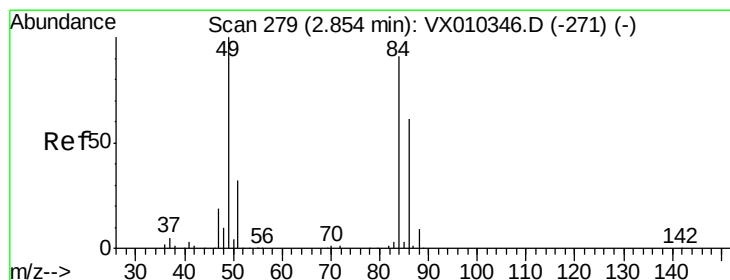
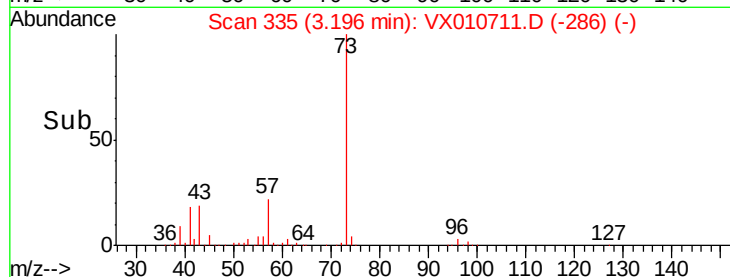
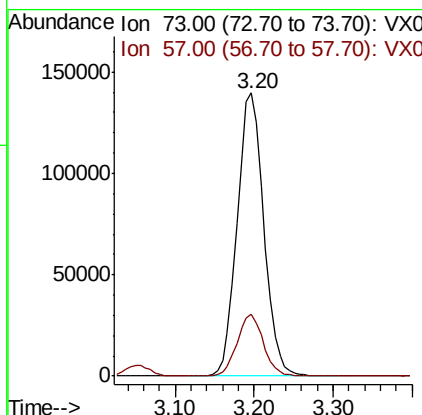
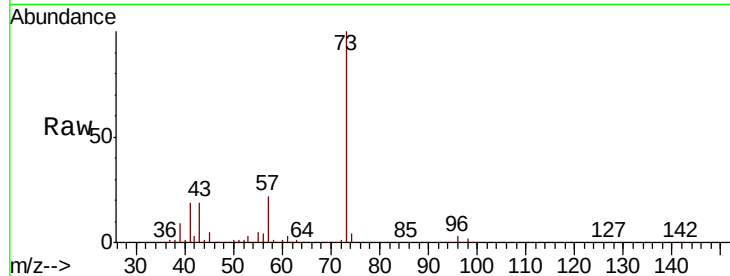




#19
Methvl tert-butyl Ether
Concen: 54.766 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

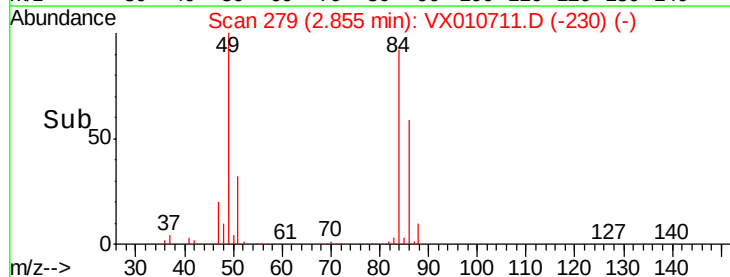
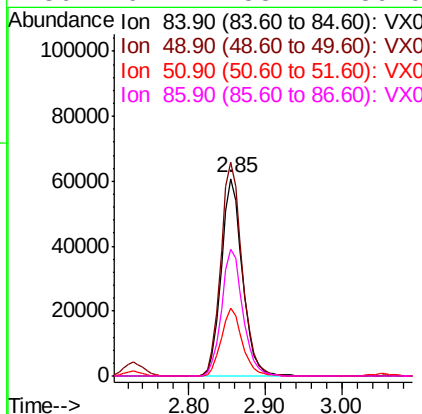
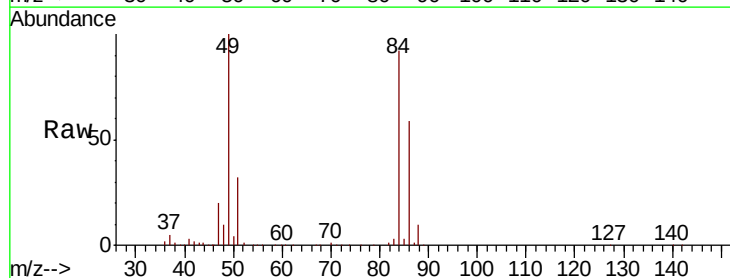
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

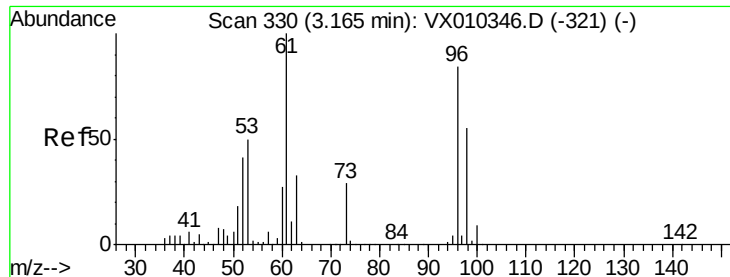
Tot Ion: 73 Resp: 328339
Ion Ratio Lower Upper
73 100
57 21.8 16.4 24.6



#20
Methylene Chloride
Concen: 54.399 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 84 Resp: 115660
Ion Ratio Lower Upper
84 100
49 108.2 87.5 131.3
51 34.3 27.7 41.5
86 64.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.349 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

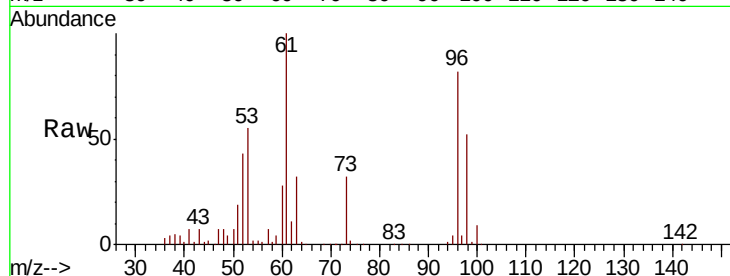
Tot Ion: 96 Resp: 107297

Ion Ratio Lower Upper

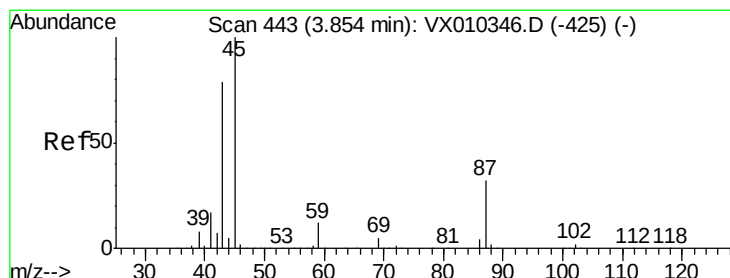
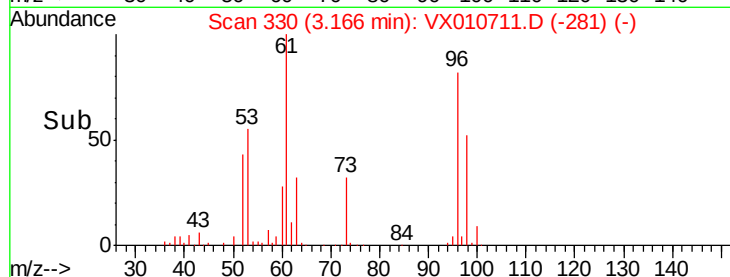
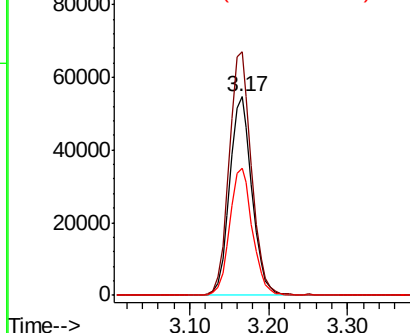
96 100

61 122.7 95.6 143.4

98 63.9 52.5 78.7



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: 55.517 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Tgt Ion: 45 Resp: 314049

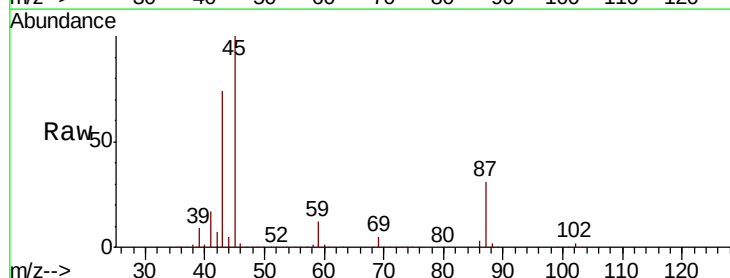
Ion Ratio Lower Upper

45 100

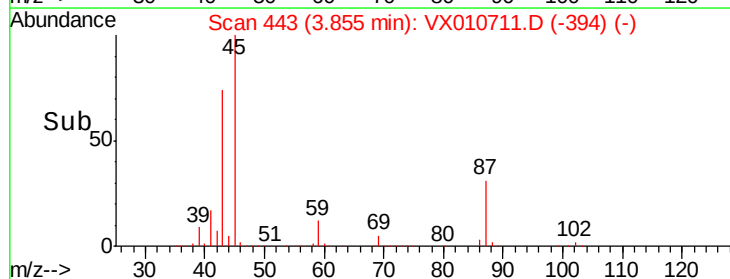
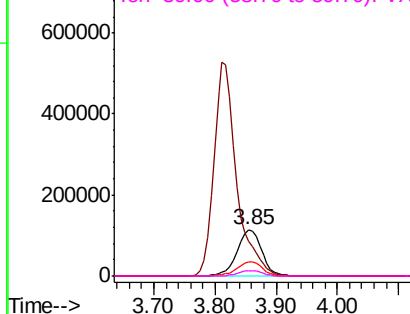
43 73.5 63.3 94.9

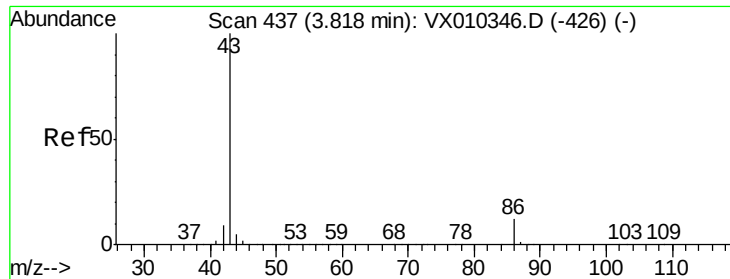
87 31.0 25.8 38.8

59 12.2 9.6 14.4



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: 280.702 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

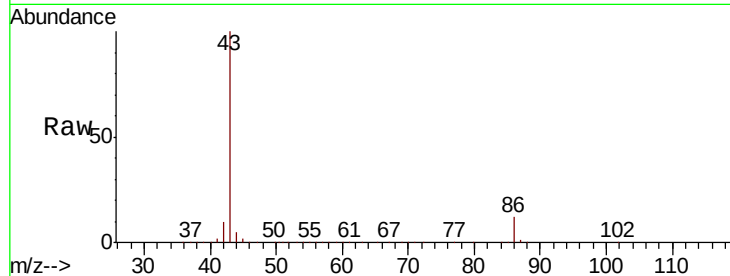
VSTDCCC050

Tot Ion: 43 Resp: 1371758

Ion Ratio Lower Upper

43 100

86 11.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

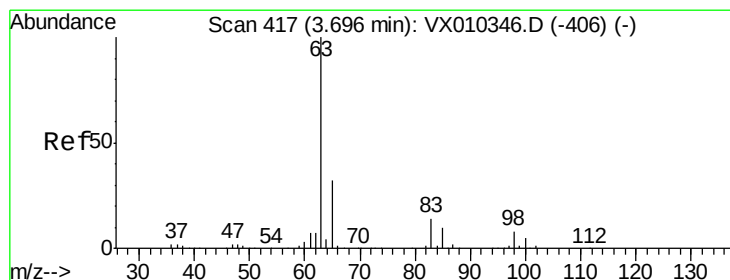
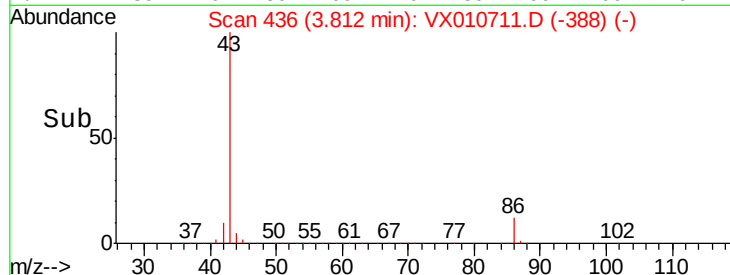
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 54.880 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

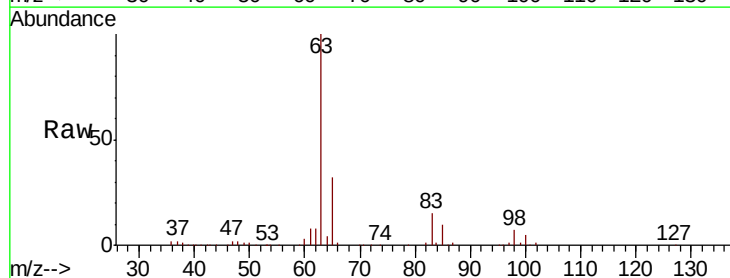
Tgt Ion: 63 Resp: 179450

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

100 4.8 2.4 7.1



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

100000

80000

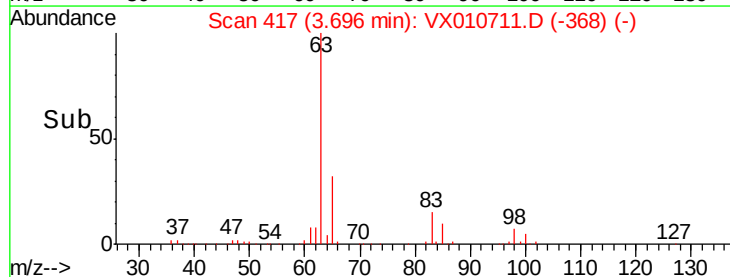
60000

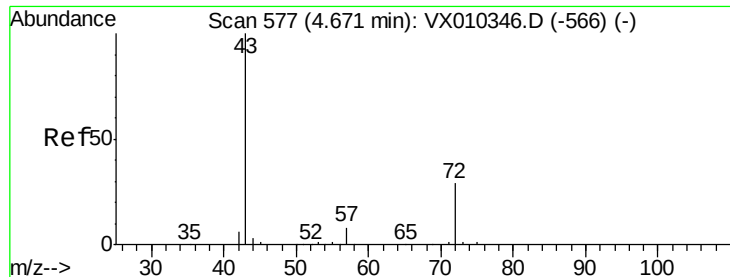
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 261.410 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

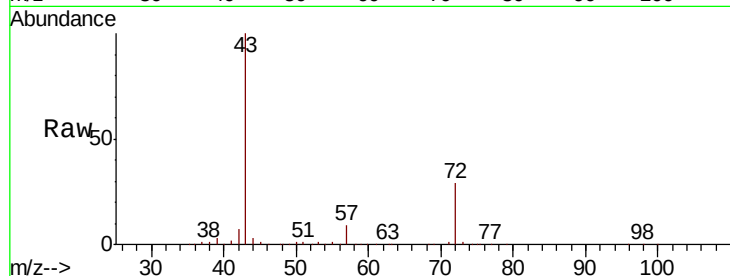
VSTDCCC050

Tot Ion: 43 Resp: 396164

Ion Ratio Lower Upper

43 100

72 28.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

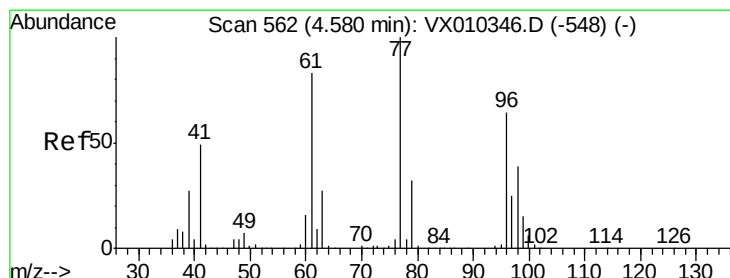
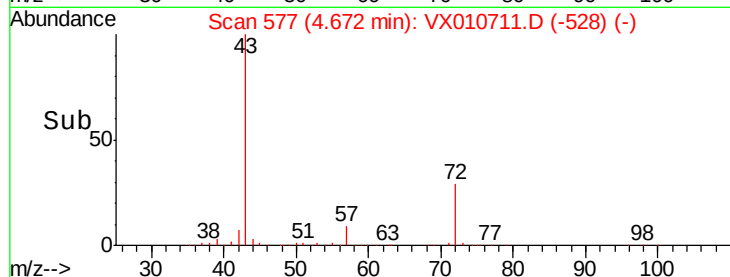
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.530 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010711.D

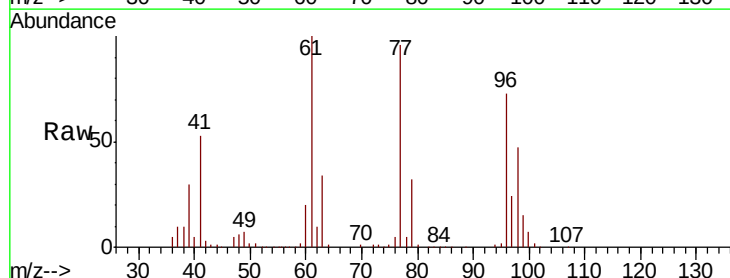
Acq: 08 Jul 2019 21:39

Tgt Ion: 77 Resp: 129329

Ion Ratio Lower Upper

77 100

97 25.8 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

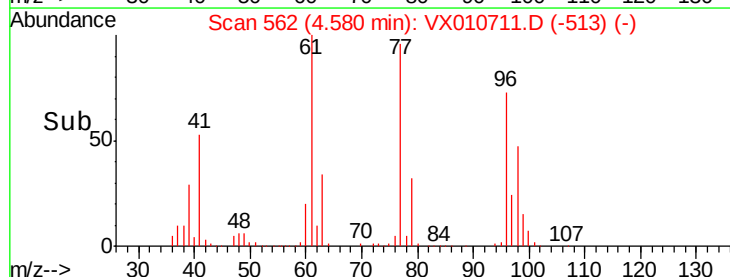
20000

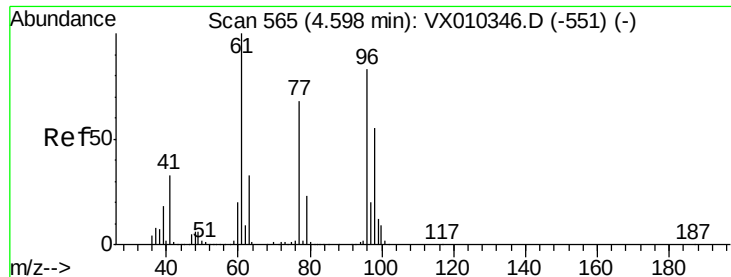
10000

0

4.50 4.60 4.70

Time-->



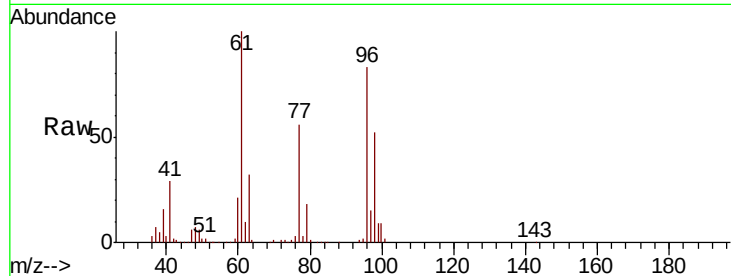


#27

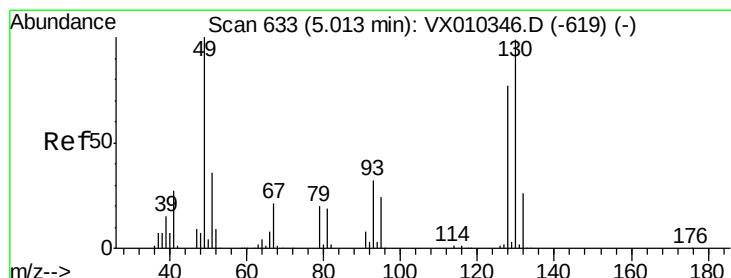
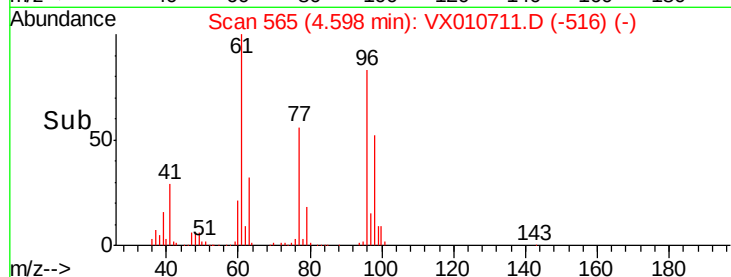
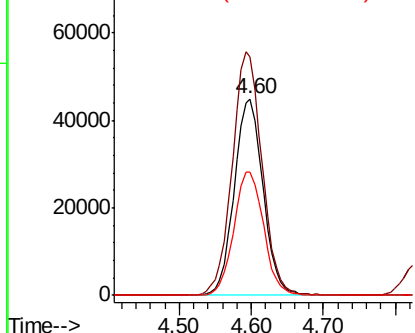
cis-1,2-Dichloroethene
 Concen: 52.864 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 125211
 Ion Ratio Lower Upper
 96 100
 61 128.1 0.0 251.8
 98 64.7 0.0 129.4



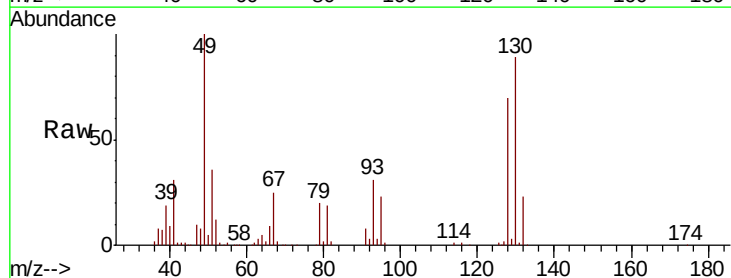
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



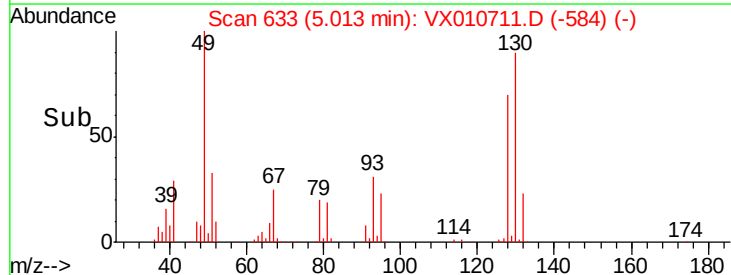
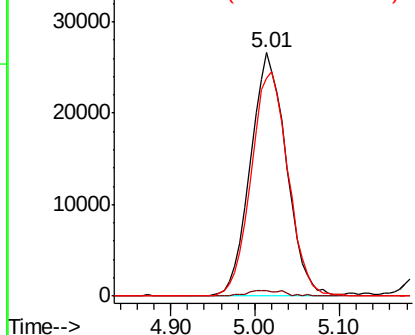
#28

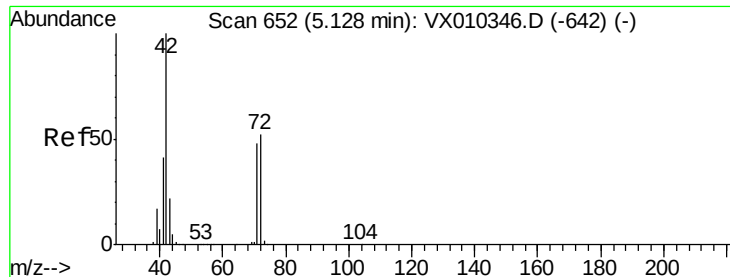
Bromochloromethane
 Concen: 49.625 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 49 Resp: 77582
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.6
 130 94.8 81.4 122.0



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: 274.952 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

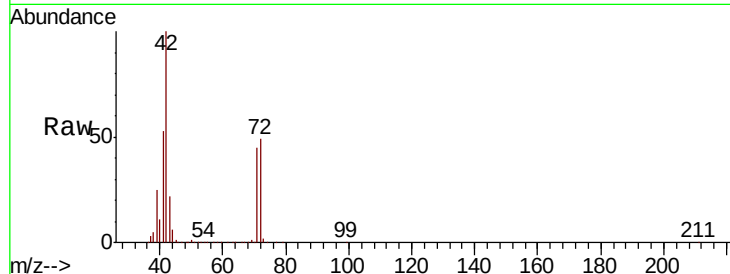
Tot Ion: 42 Resp: 258099

Ion Ratio Lower Upper

42 100

72 49.7 40.6 60.8

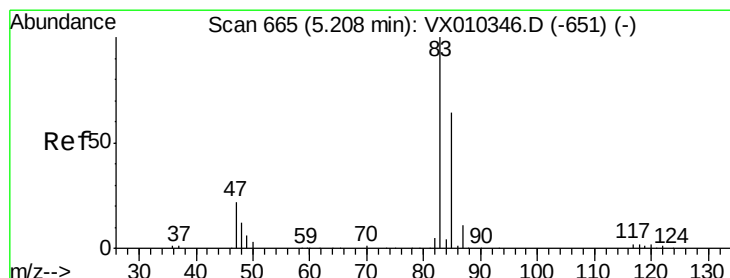
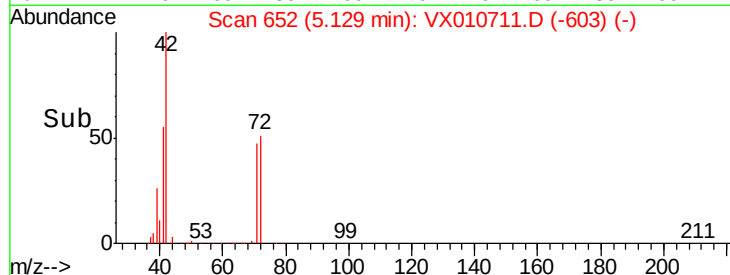
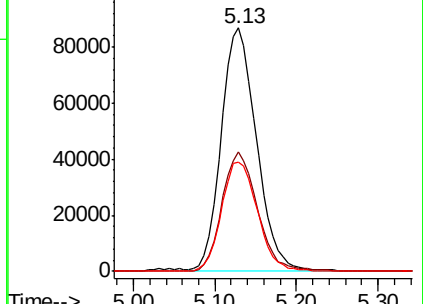
71 46.4 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 54.568 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010711.D

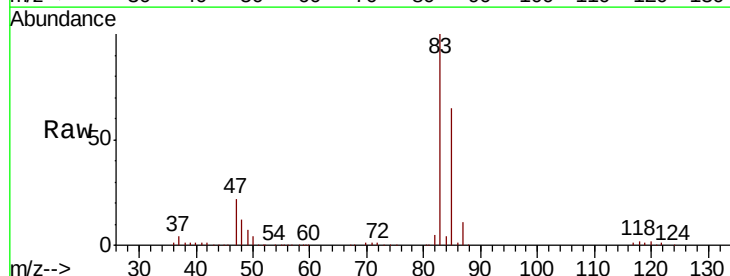
Acq: 08 Jul 2019 21:39

Tgt Ion: 83 Resp: 191980

Ion Ratio Lower Upper

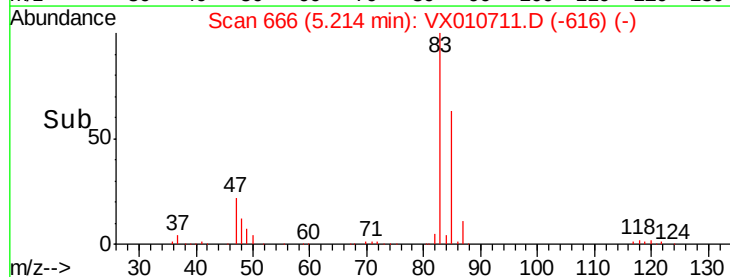
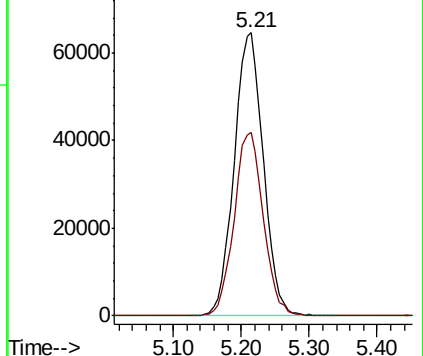
83 100

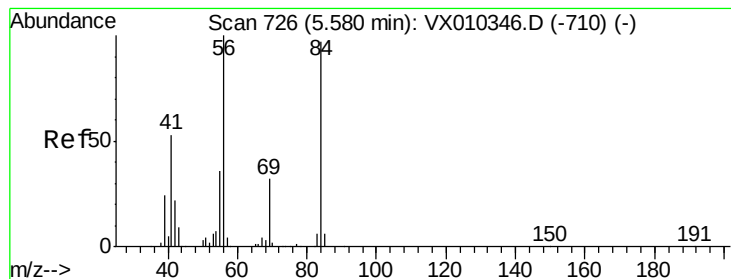
85 65.0 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 54.570 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

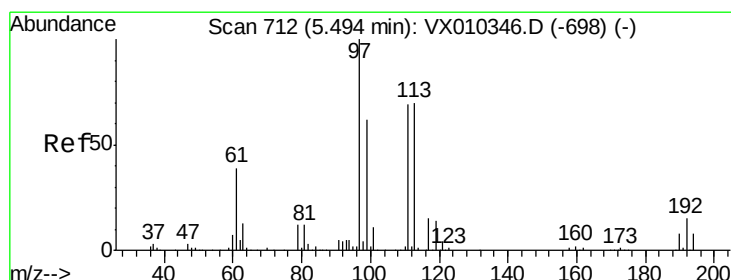
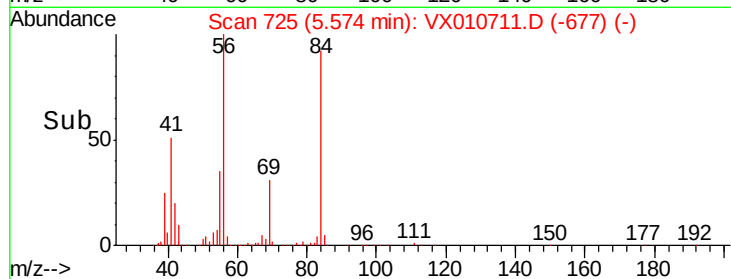
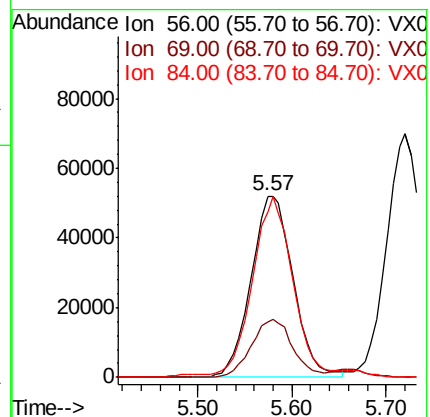
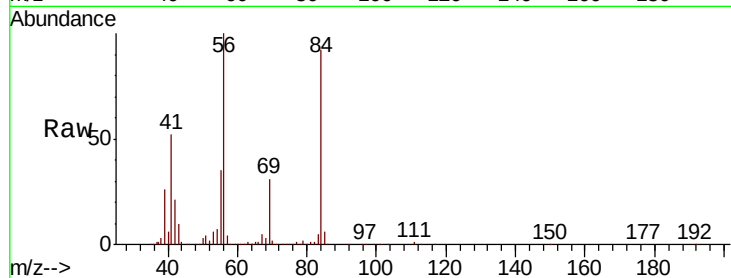
Tot Ion: 56 Resp: 162491

Ion Ratio Lower Upper

56 100

69 30.5 25.9 38.9

84 89.7 78.0 117.0



#32

1,1,1-Trichloroethane

Concen: 54.440 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

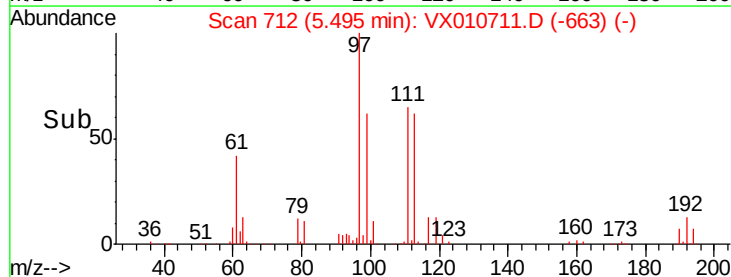
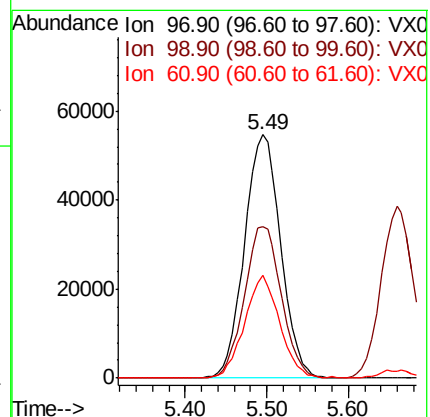
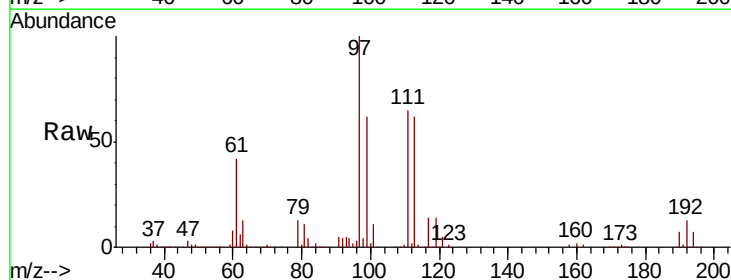
Tgt Ion: 97 Resp: 169121

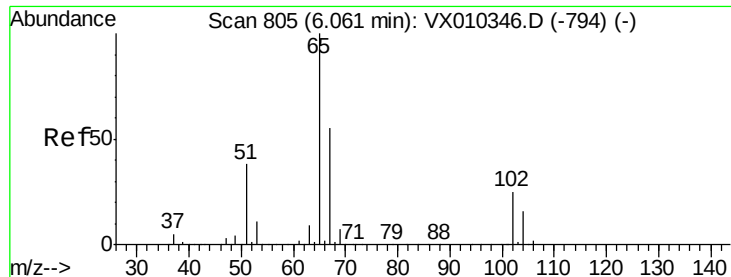
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.8

61 40.6 32.1 48.1

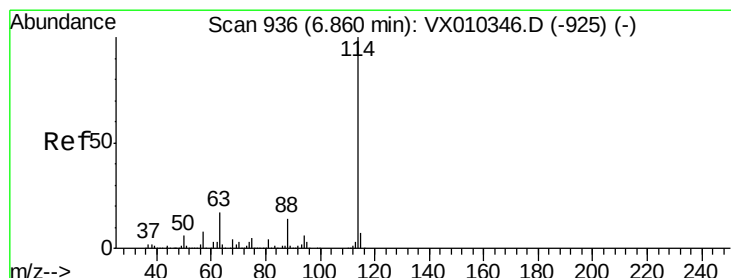
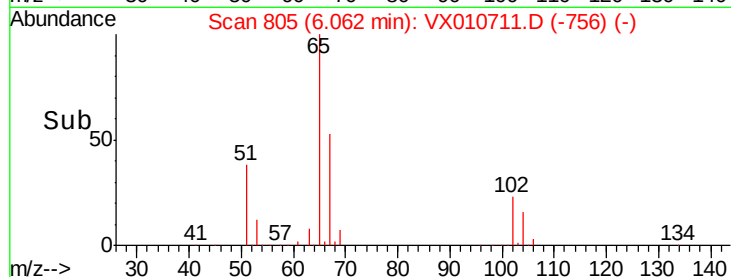
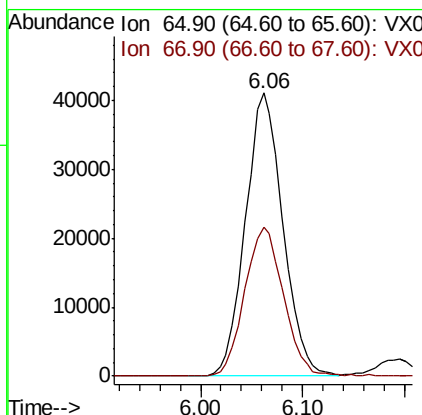
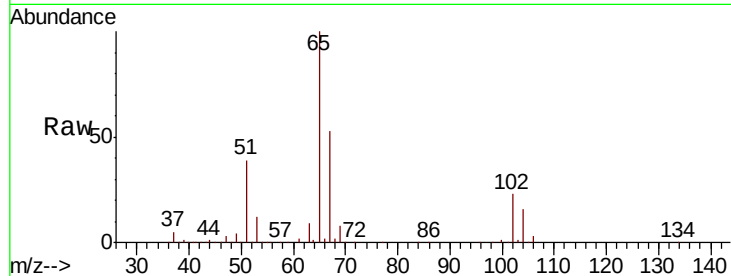




#33
 1,2-Dichloroethane-d4
 Concen: 50.914 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

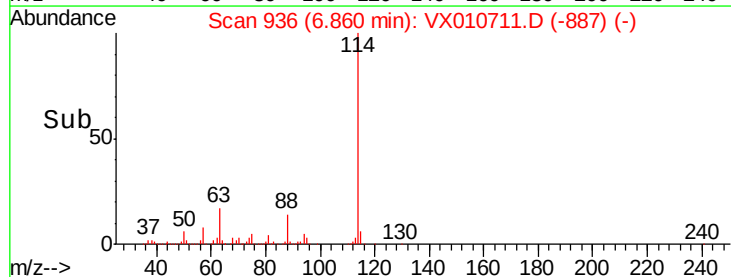
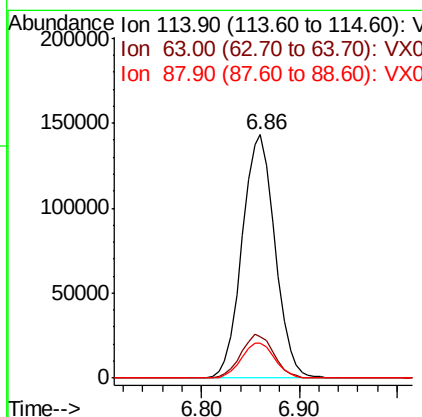
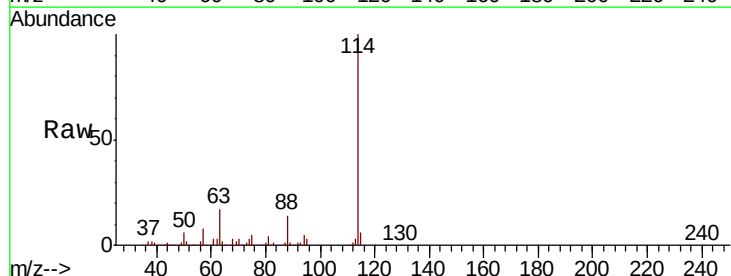
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

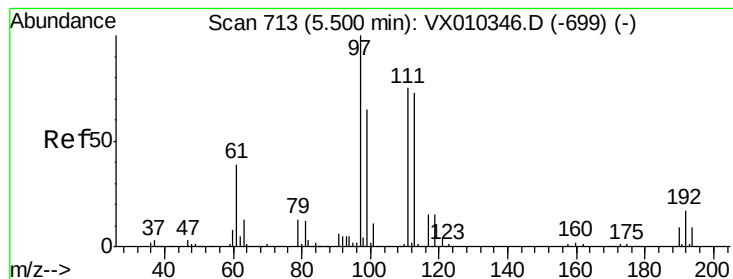
Tot Ion: 65 Resp: 104958
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 114 Resp: 333849
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.658 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

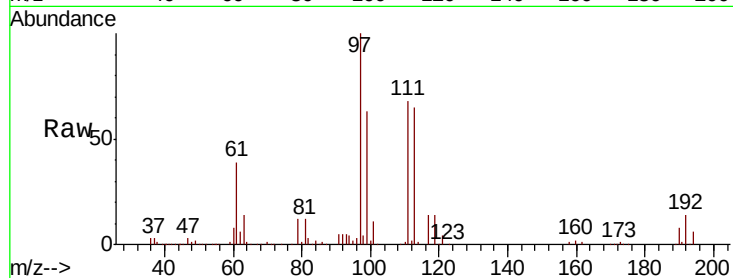
Tot Ion:113 Resp: 101431

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

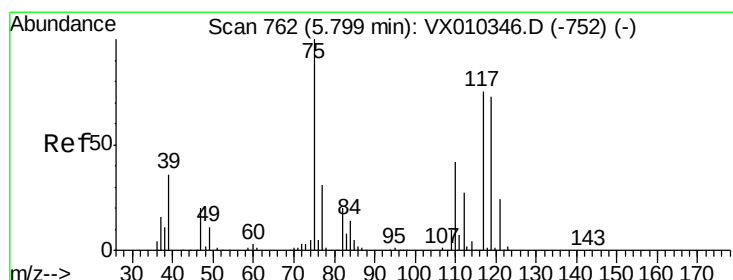
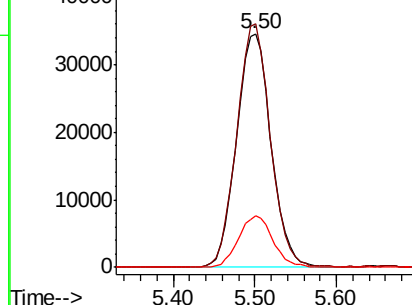
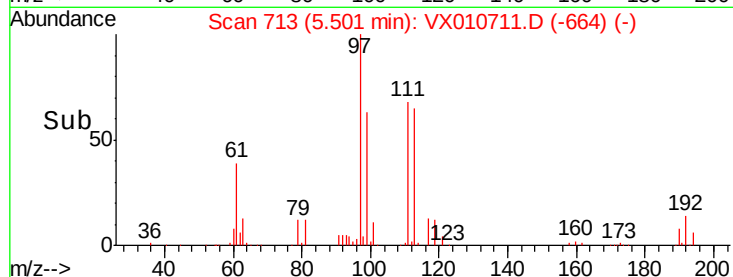
192 22.0 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.186 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

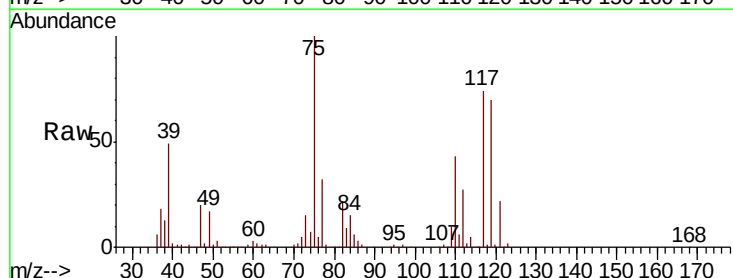
Tgt Ion: 75 Resp: 138448

Ion Ratio Lower Upper

75 100

110 40.5 20.8 62.2

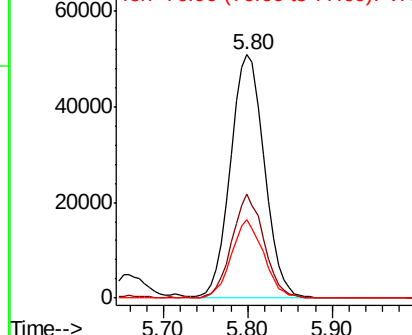
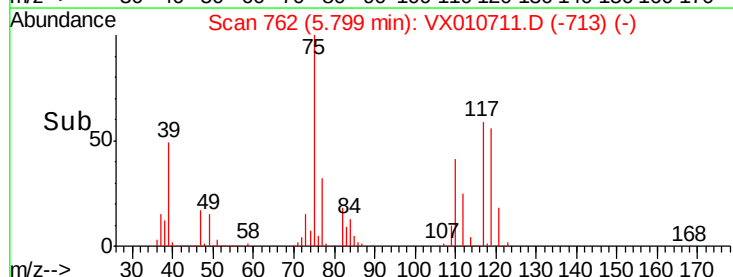
77 31.0 25.4 38.0

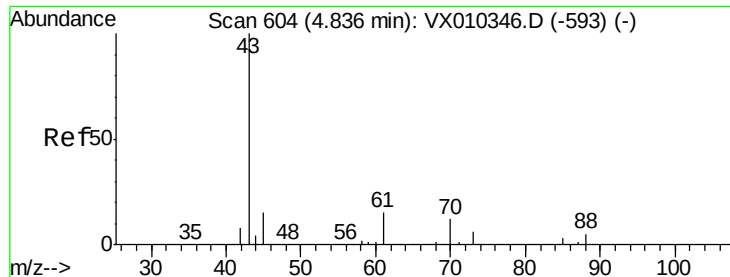


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 54.872 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

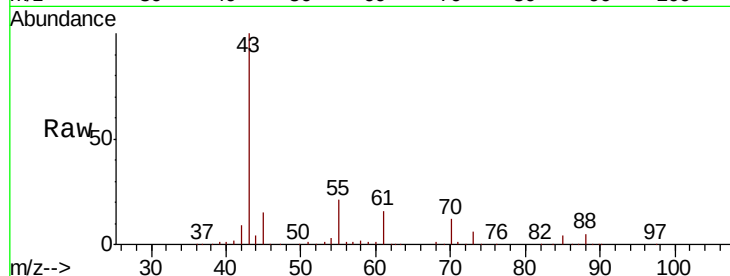
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 149760

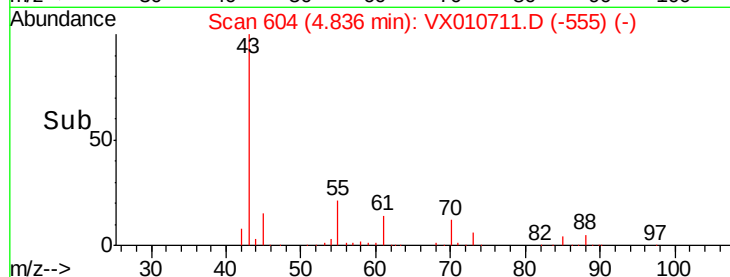
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	11.7	9.8	14.8



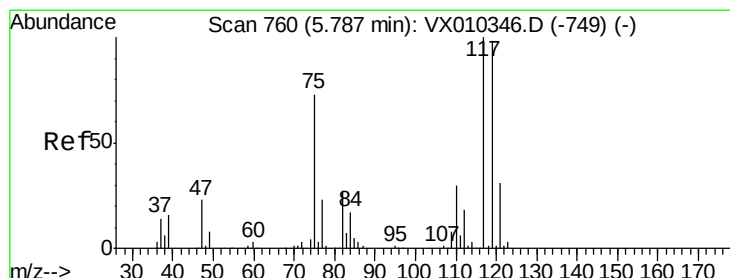
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



Time-->



#38

Carbon Tetrachloride

Concen: 51.749 ug/l

RT: 5.78 min Scan# 759

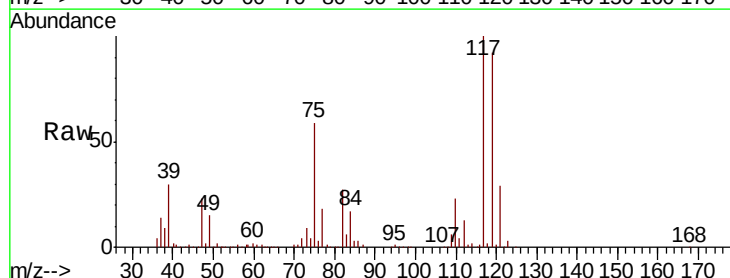
Delta R.T. -0.01 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Tgt Ion: 117 Resp: 148665

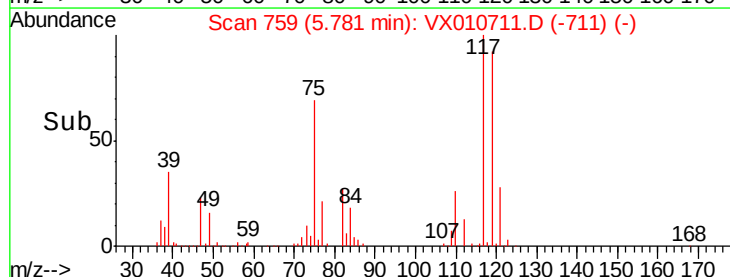
Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.2	117.4
121	28.8	24.7	37.1



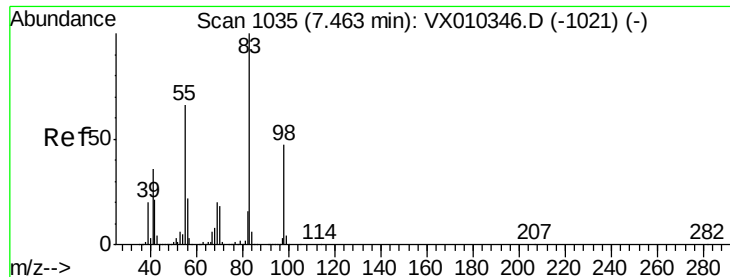
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



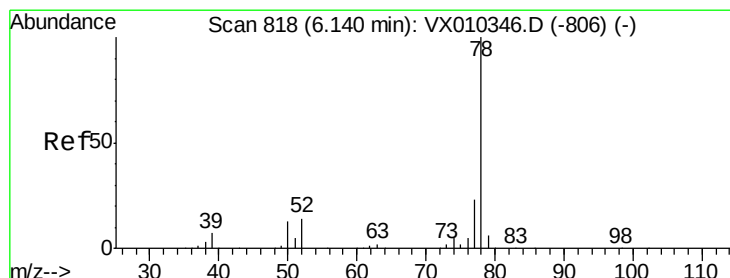
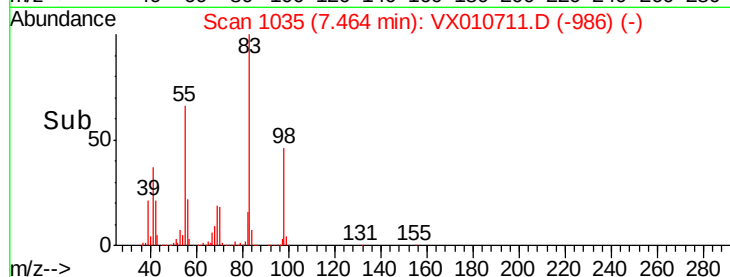
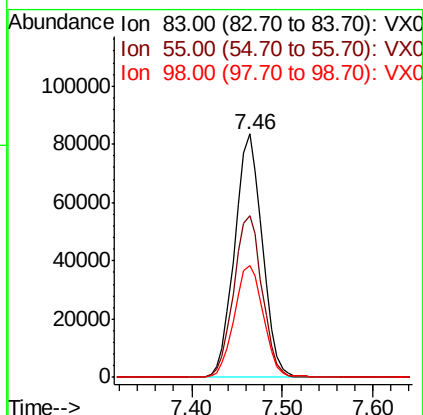
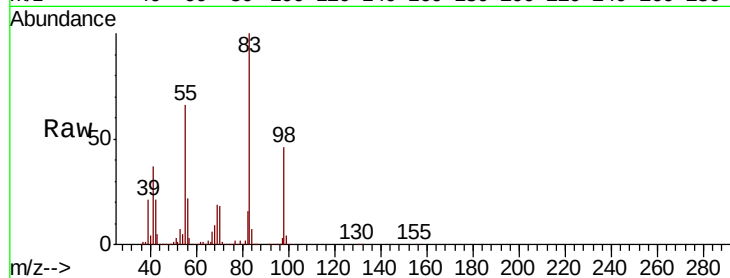
Time-->



#39
Methylvlcyclohexane
Concen: 50.780 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

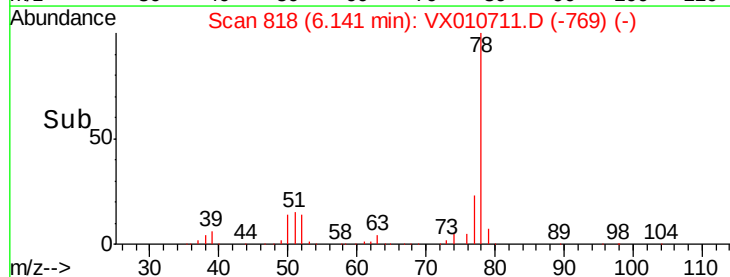
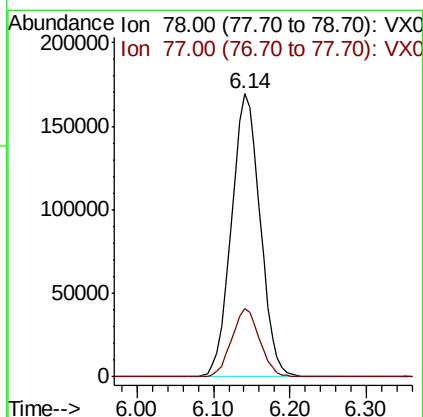
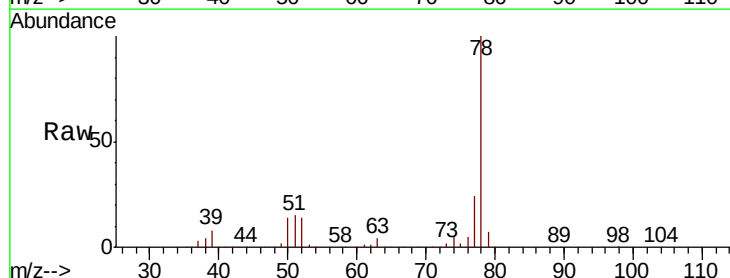
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

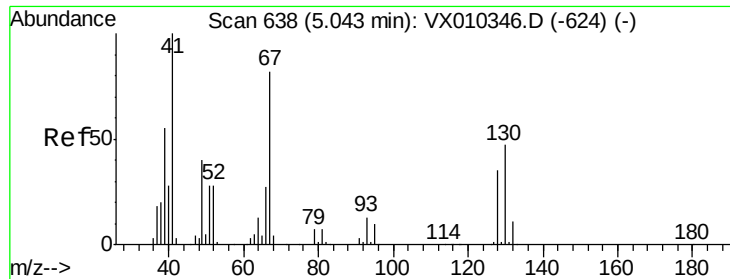
Tot Ion: 83 Resp: 177082
Ion Ratio Lower Upper
83 100
55 66.4 53.0 79.6
98 45.7 37.8 56.8



#40
Benzene
Concen: 53.292 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 78 Resp: 440470
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0





#41

Methacrylonitrile

Concen: 53.205 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 79674

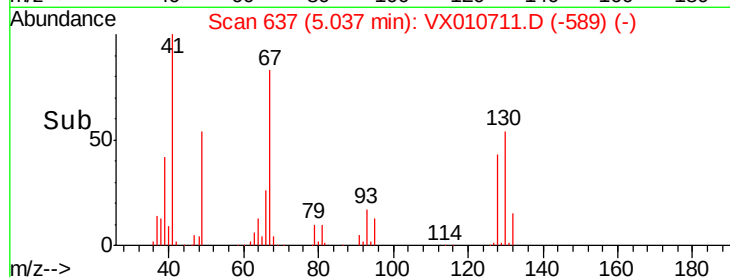
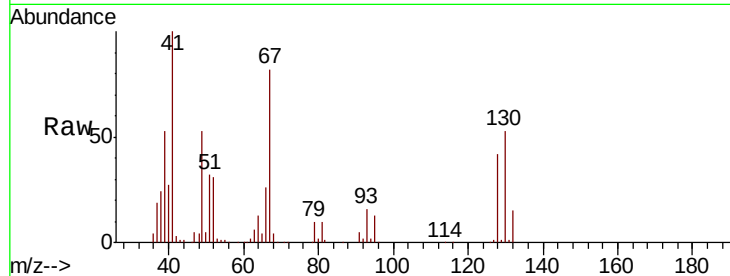
Ion Ratio Lower Upper

41 100

39 56.0 43.8 65.8

67 83.6 66.6 100.0

52 32.6 24.5 36.7

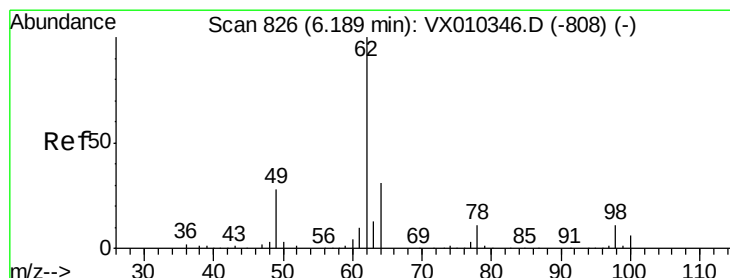
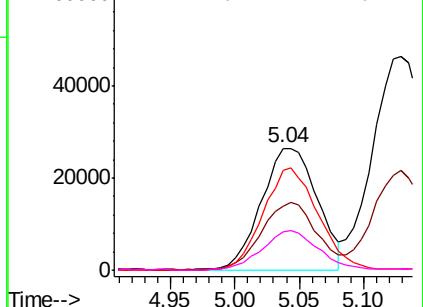


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 57.049 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010711.D

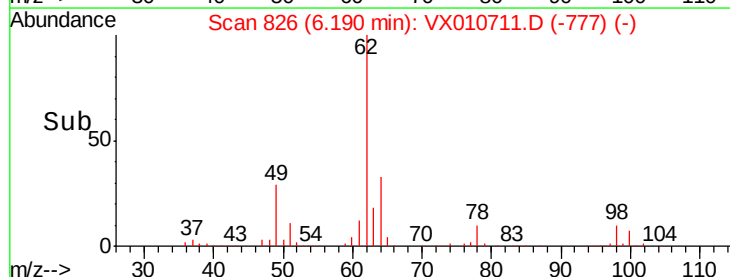
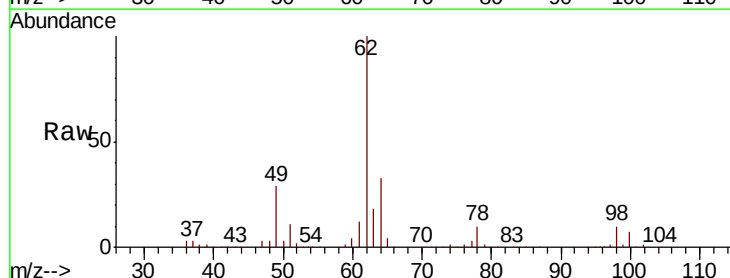
Acq: 08 Jul 2019 21:39

Tgt Ion: 62 Resp: 143532

Ion Ratio Lower Upper

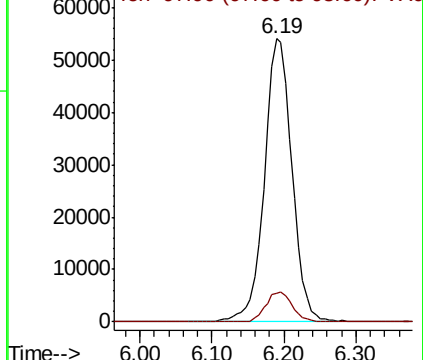
62 100

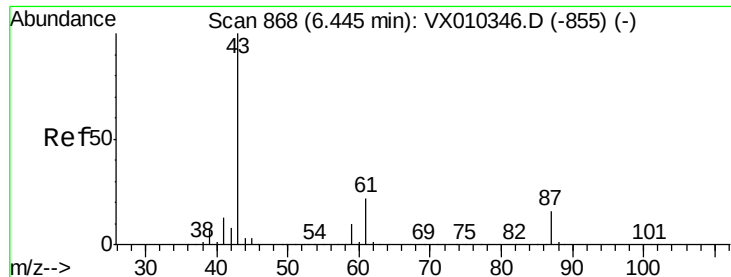
98 10.3 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 54.389 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

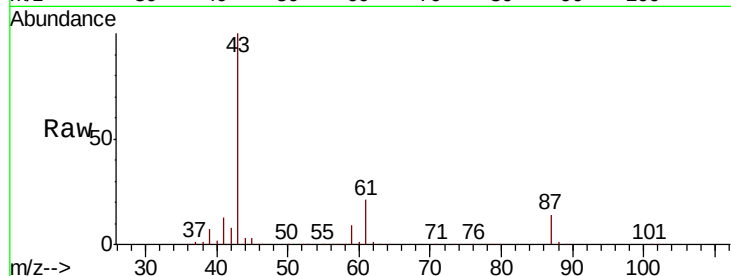
Tot Ion: 43 Resp: 245594

Ion Ratio Lower Upper

43 100

61 20.9 17.8 26.6

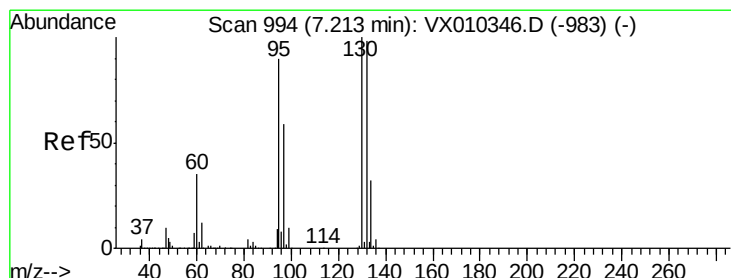
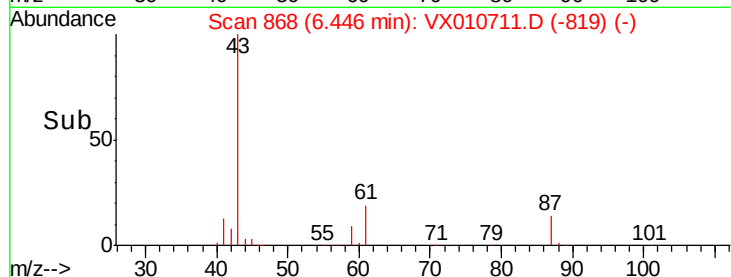
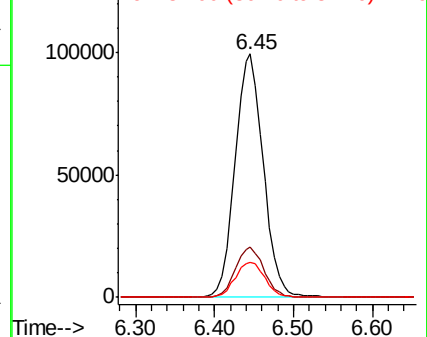
87 15.2 13.0 19.4



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: 51.691 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010711.D

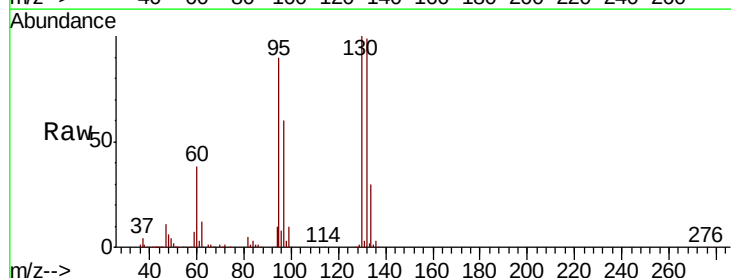
Acq: 08 Jul 2019 21:39

Tgt Ion:130 Resp: 127840

Ion Ratio Lower Upper

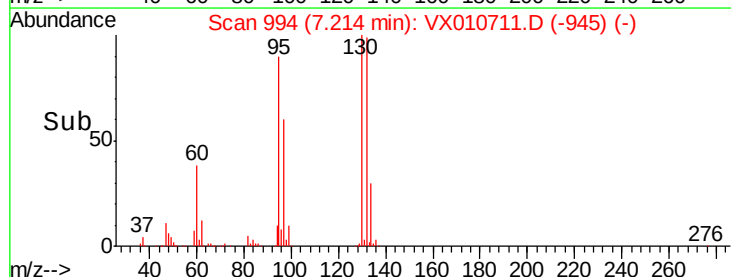
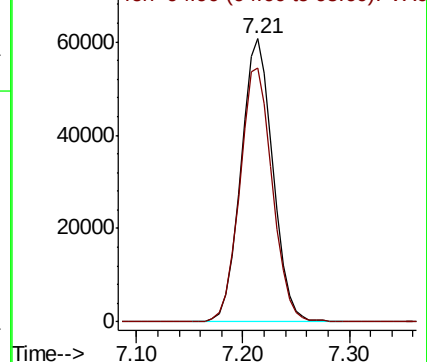
130 100

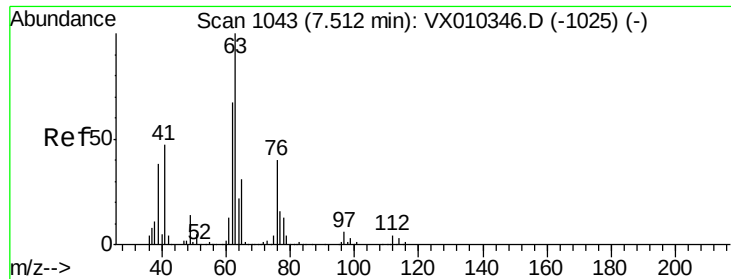
95 89.7 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 52.777 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

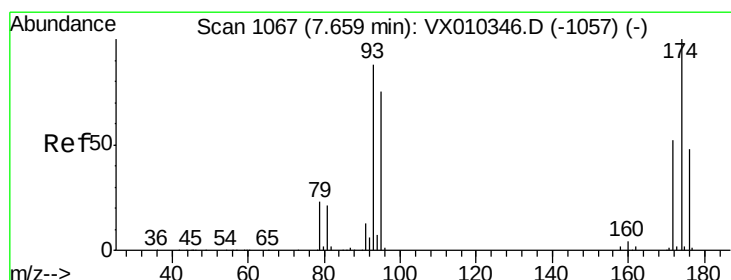
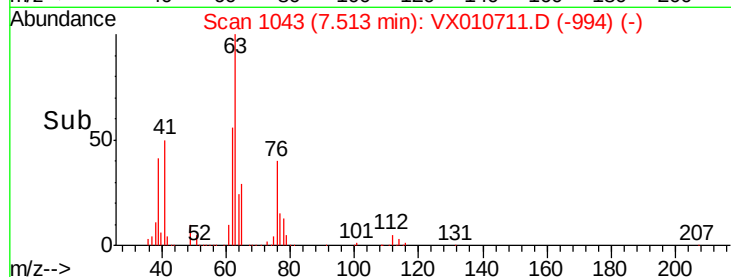
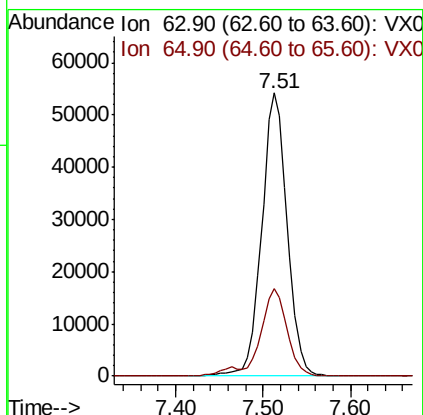
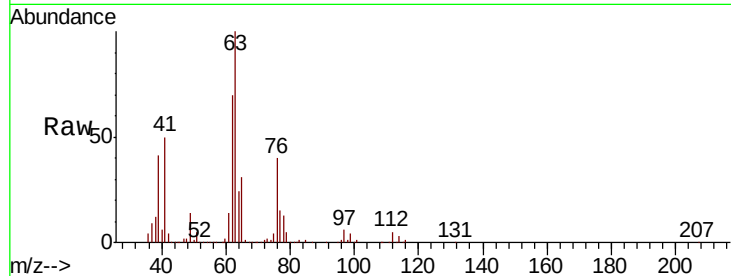
VSTDCCC050

Tot Ion: 63 Resp: 110156

Ion Ratio Lower Upper

63 100

65 30.8 24.8 37.2



#46

Dibromomethane

Concen: 53.105 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

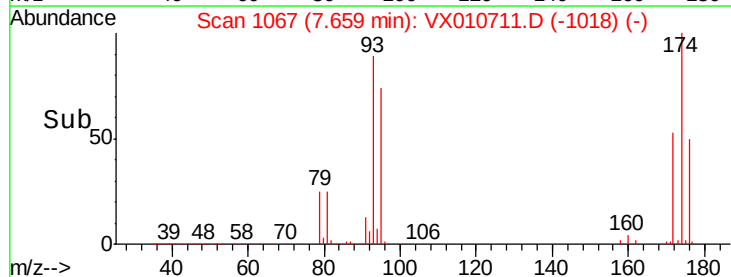
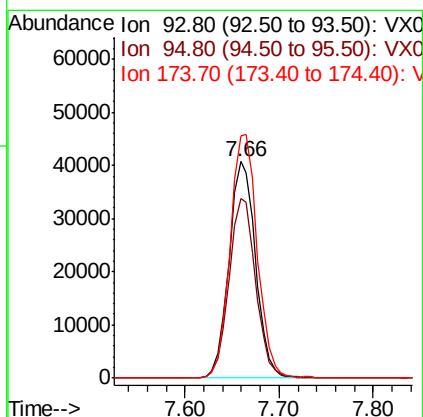
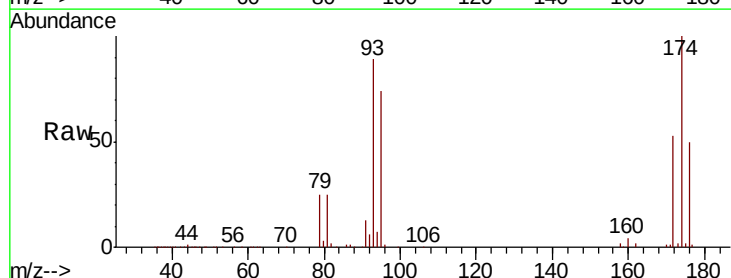
Tgt Ion: 93 Resp: 79525

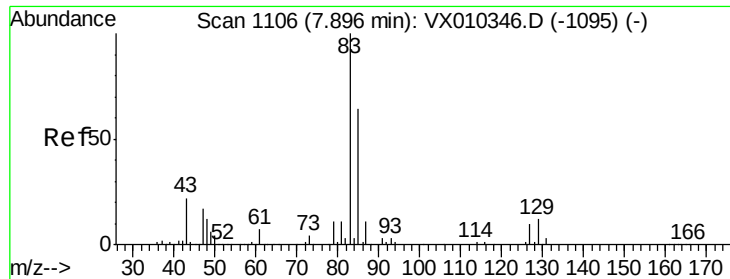
Ion Ratio Lower Upper

93 100

95 83.6 67.5 101.3

174 114.6 95.8 143.6





#47

Bromodichloromethane

Concen: 52.177 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

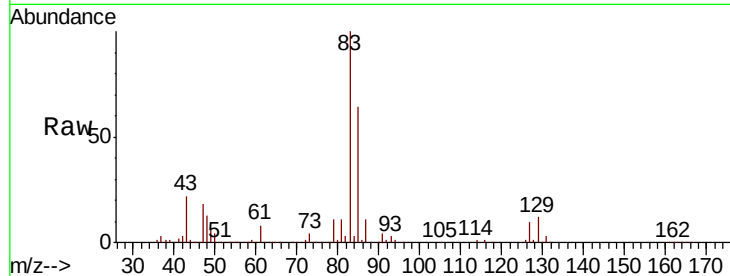
Tot Ion: 83 Resp: 143192

Ion Ratio Lower Upper

83 100

85 64.0 51.5 77.3

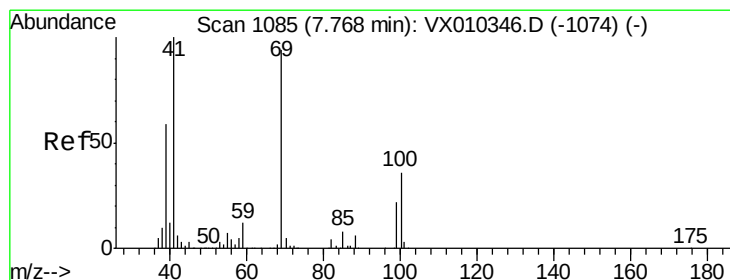
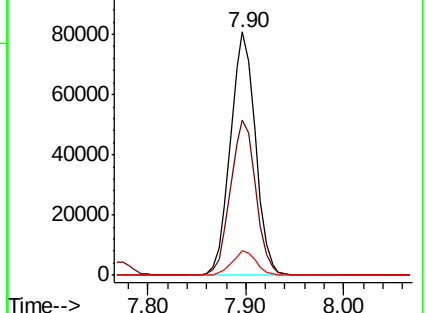
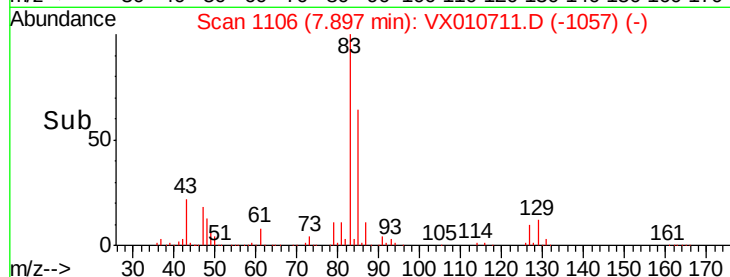
127 10.2 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.630 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

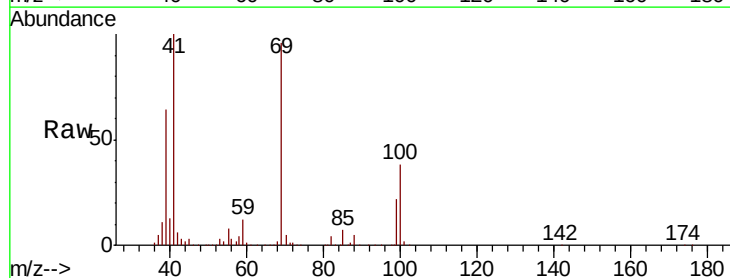
Tgt Ion: 41 Resp: 116760

Ion Ratio Lower Upper

41 100

69 92.2 76.1 114.1

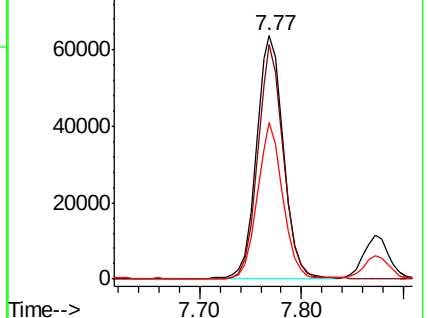
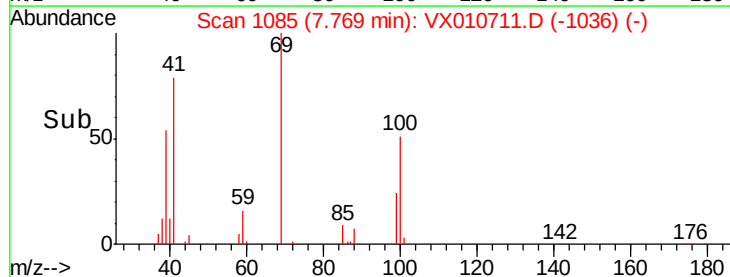
39 61.3 47.6 71.4

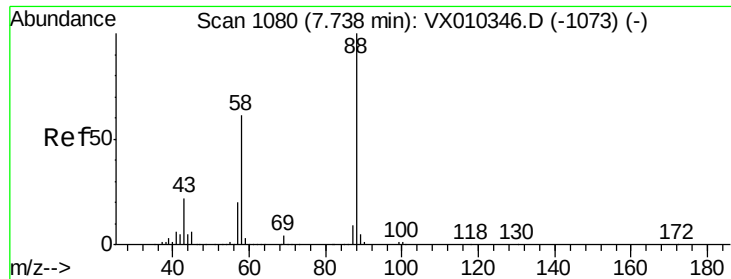


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

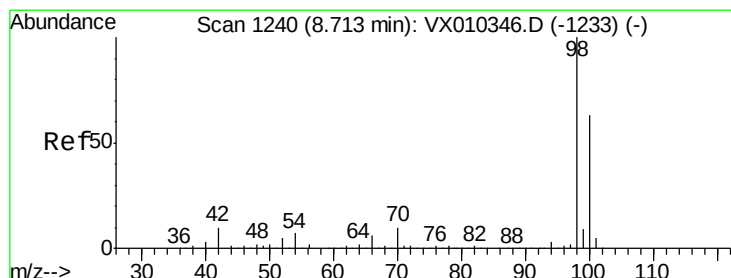
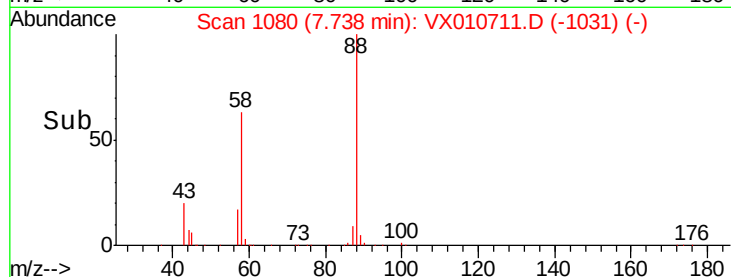
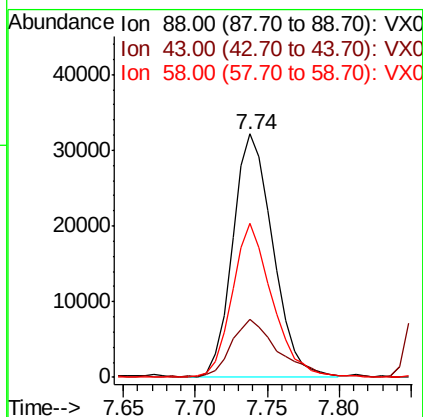
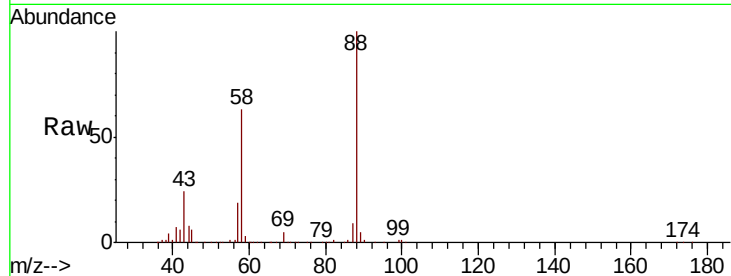




#49
1,4-Dioxane
Concen: 1031.807 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

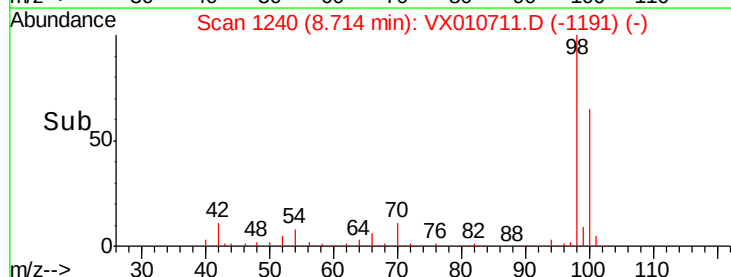
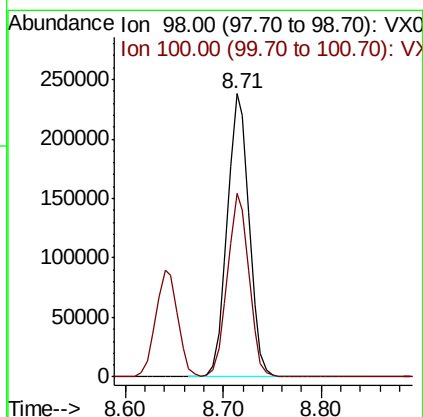
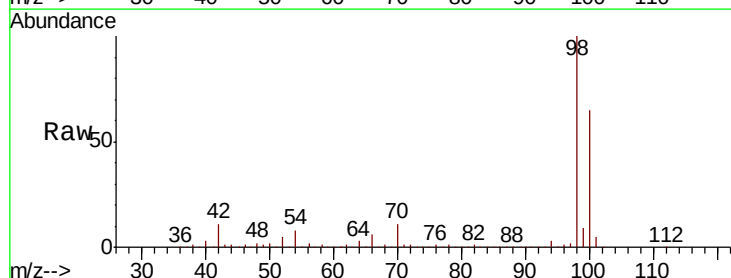
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

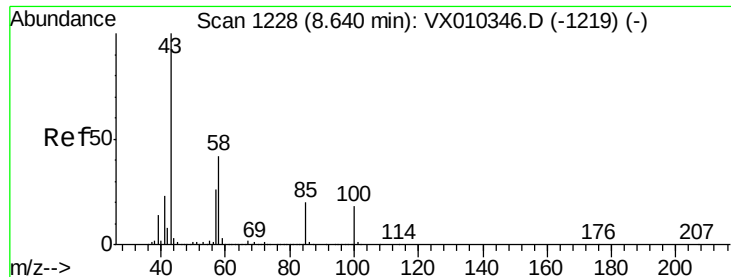
Tot Ion: 88 Resp: 62386
Ion Ratio Lower Upper
88 100
43 27.2 20.2 30.2
58 63.2 49.5 74.3



#50
Toluene-d8
Concen: 47.128 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 98 Resp: 368289
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

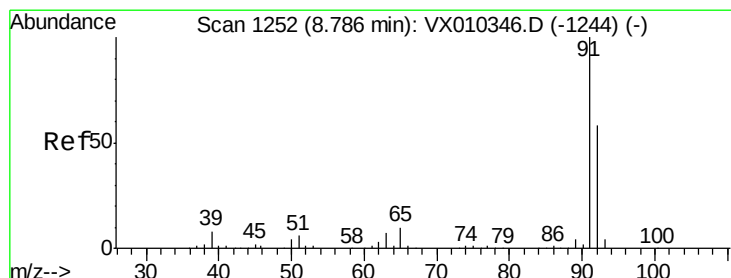
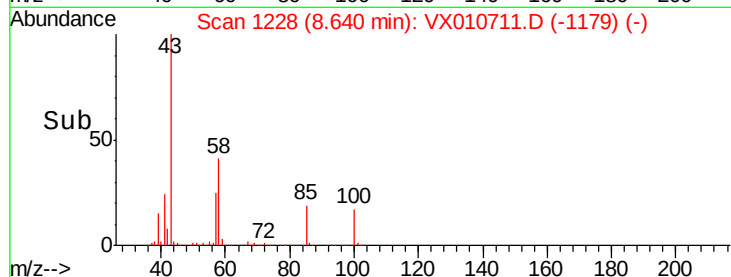
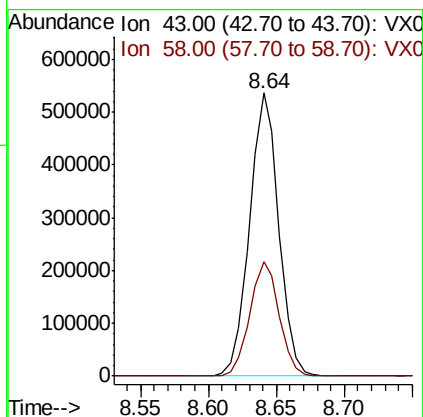
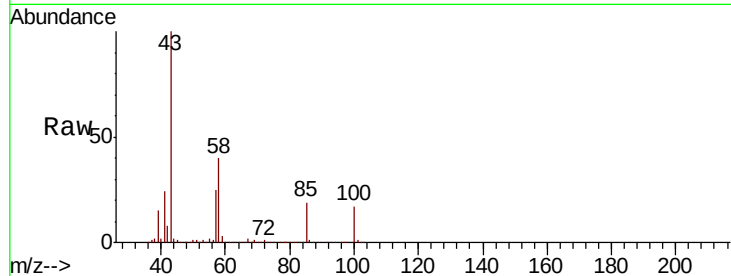




#51
 4-Methyl-2-Pentanone
 Concen: 278.998 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

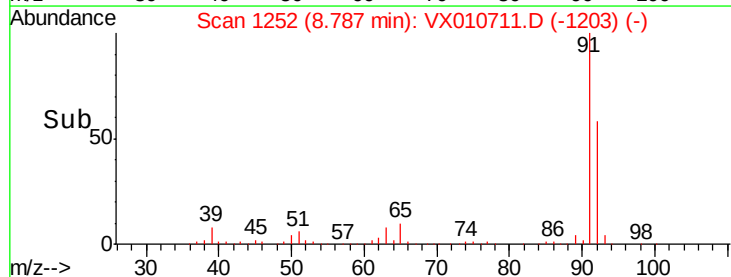
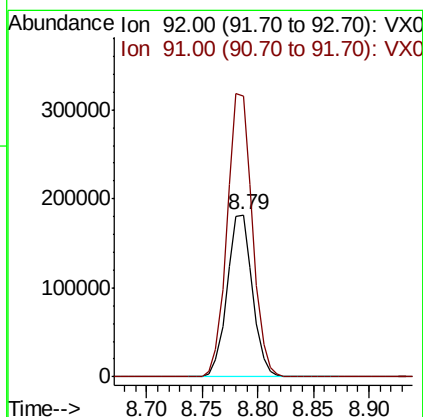
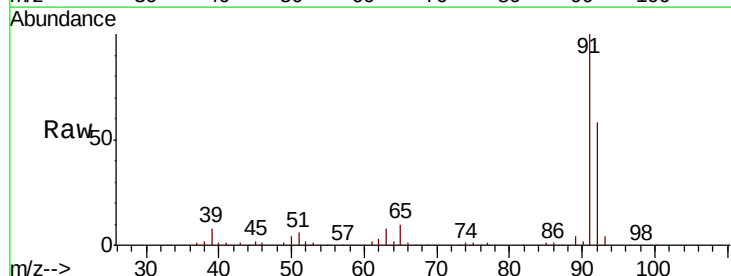
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

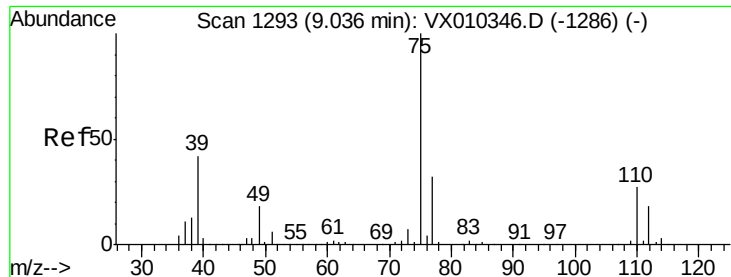
Tot Ion: 43 Resp: 805728
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.5 50.3



#52
 Toluene
 Concen: 52.417 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 92 Resp: 285300
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 51.228 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

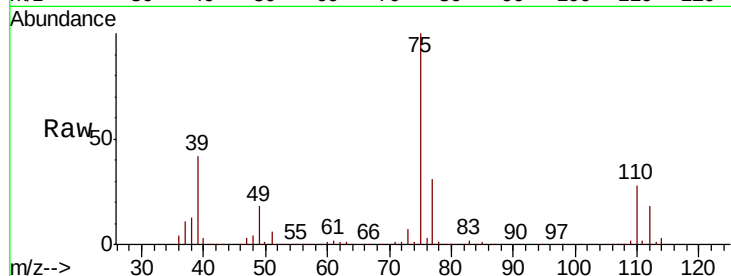
VSTDCCC050

Tot Ion: 75 Resp: 157619

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

120000

100000

80000

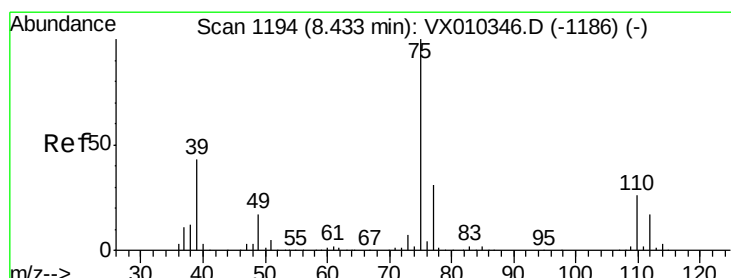
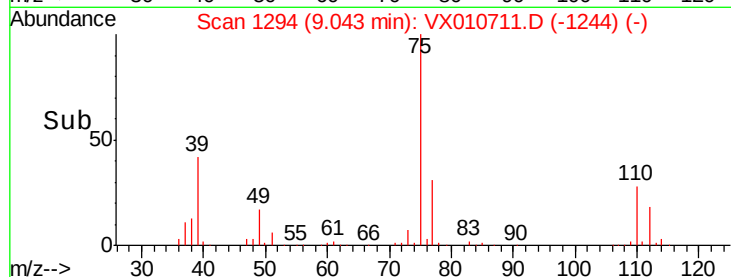
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 51.585 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

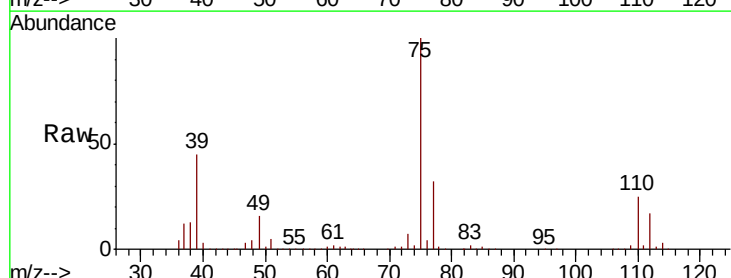
Tgt Ion: 75 Resp: 172482

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 44.7 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

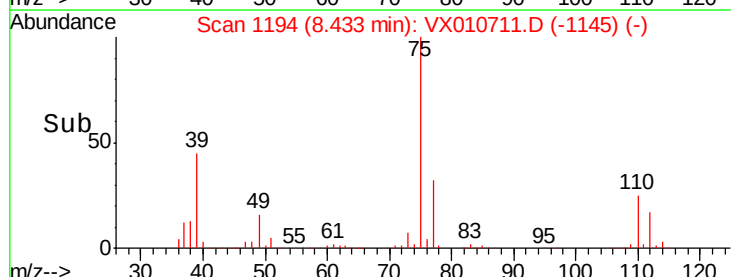
150000

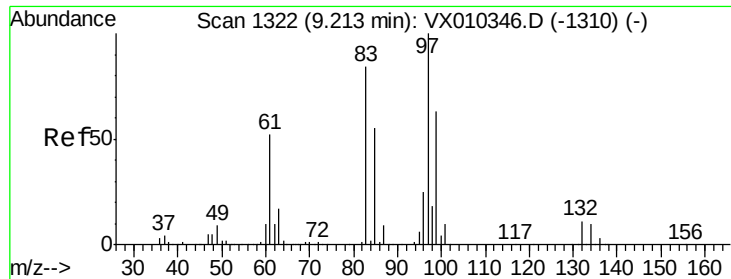
100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55



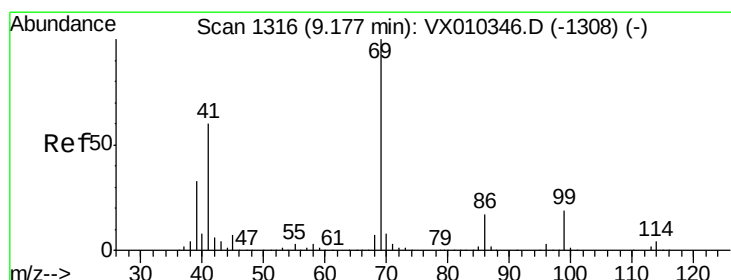
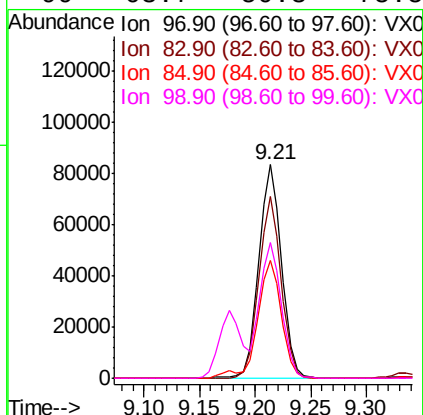
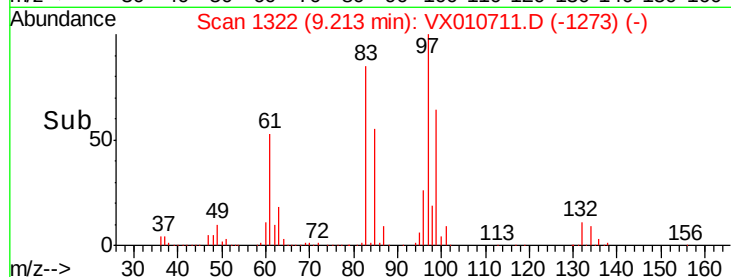
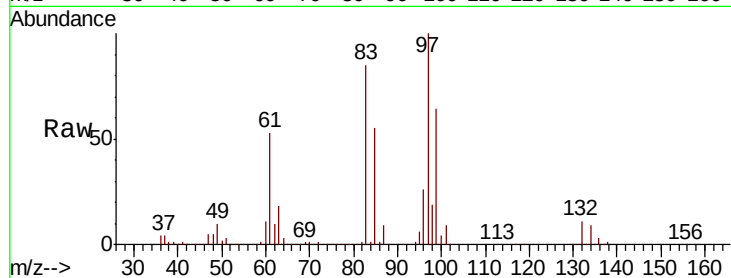


#55
 1,1,2-Trichloroethane
 Concen: 52.924 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 118803

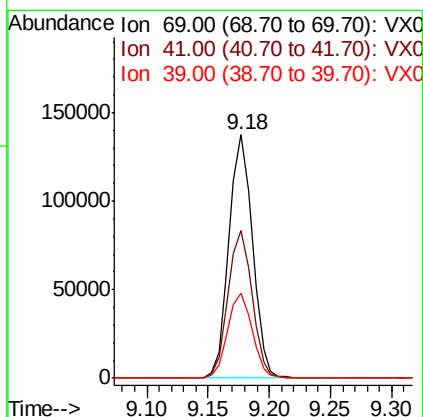
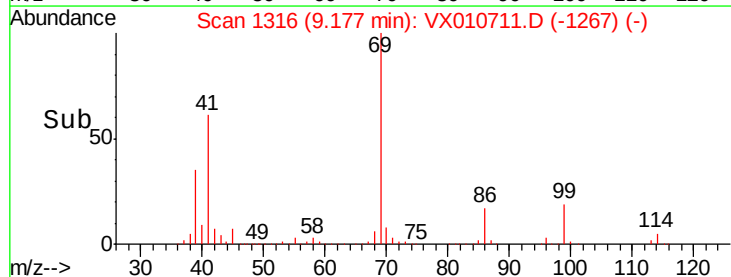
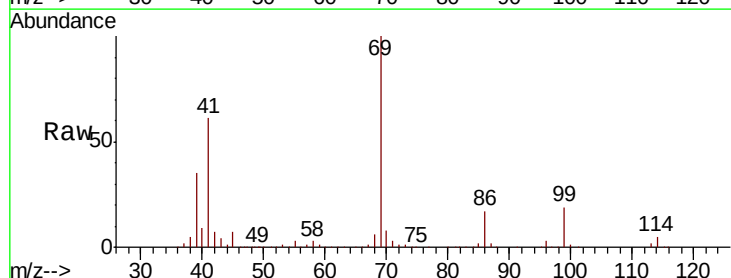
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.4	101.0
85	55.4	43.8	65.8
99	63.7	50.3	75.5

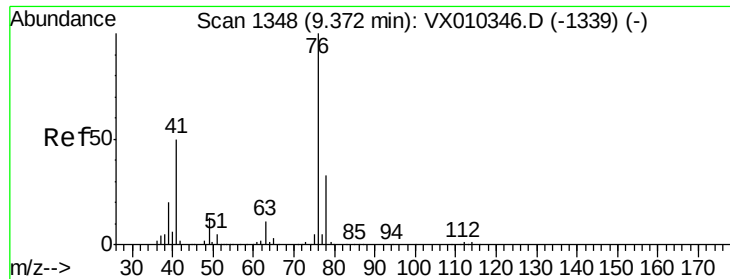


#56
 Ethyl methacrylate
 Concen: 54.021 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 69 Resp: 183701

Ion	Ratio	Lower	Upper
69	100		
41	61.8	47.1	70.7
39	36.1	26.6	40.0

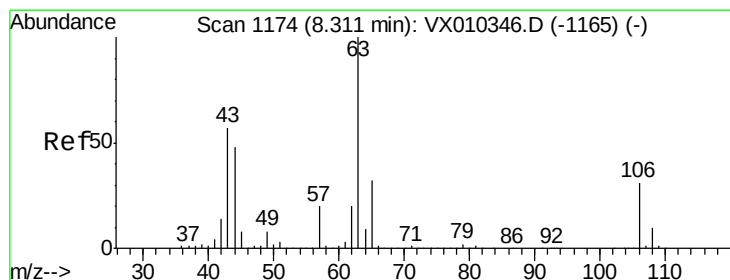
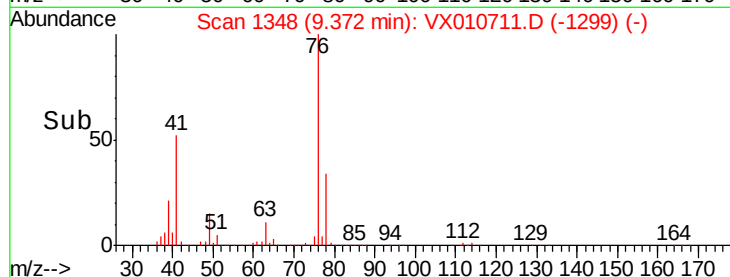
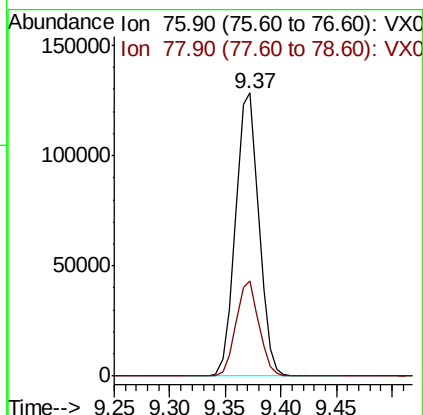
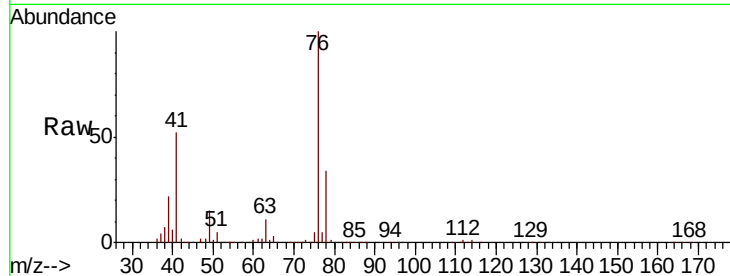




#57
 1,3-Dichloropropane
 Concen: 53.646 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

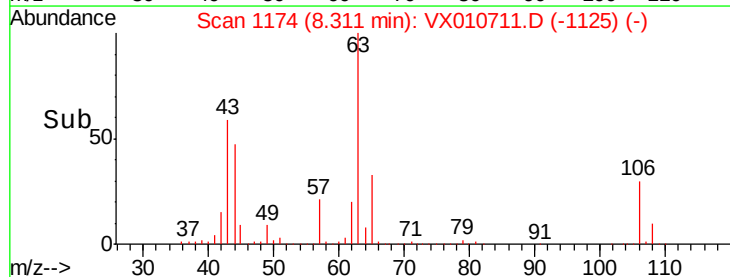
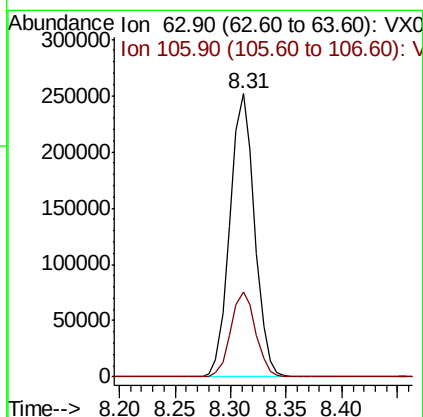
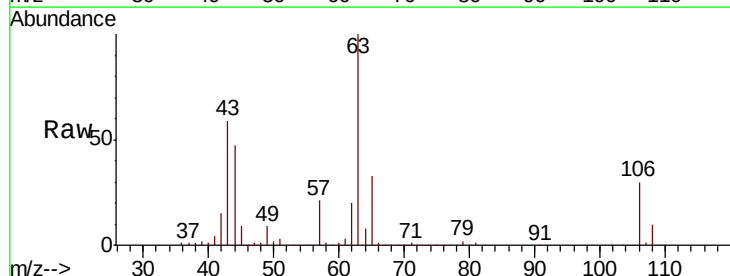
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

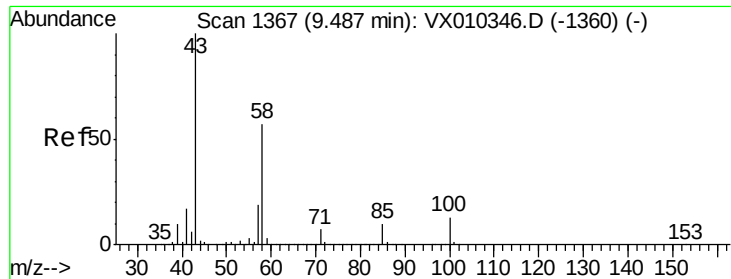
Tot Ion: 76 Resp: 186933
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.796 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 63 Resp: 385658
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.7 37.1

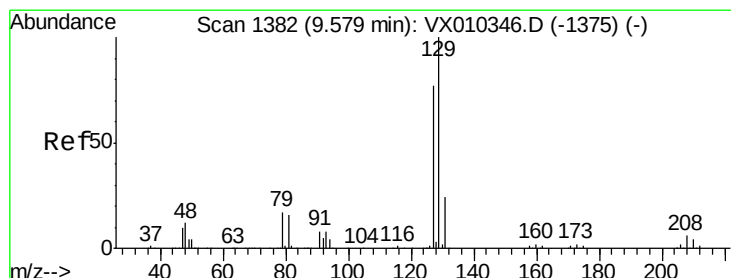
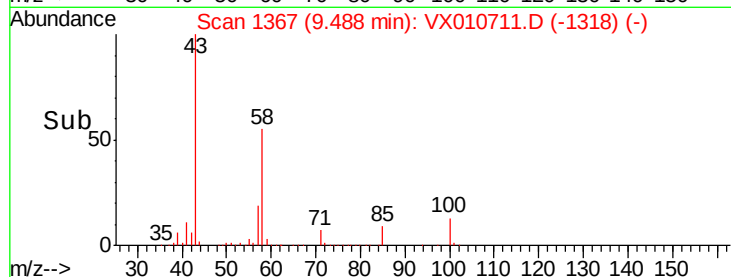
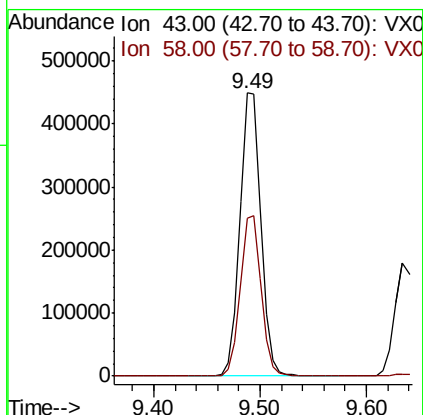
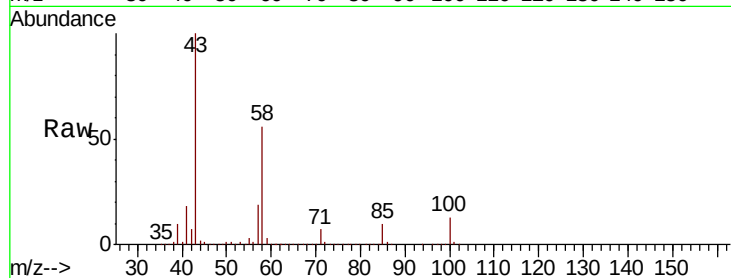




#59
2-Hexanone
Concen: 273.932 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

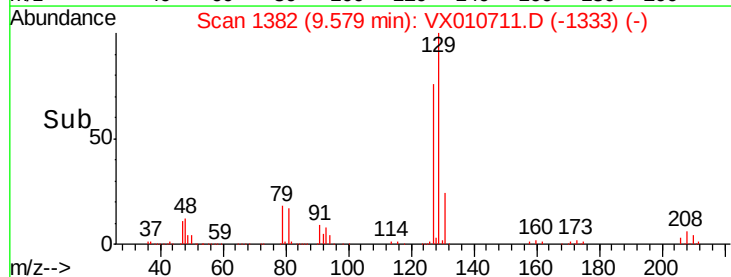
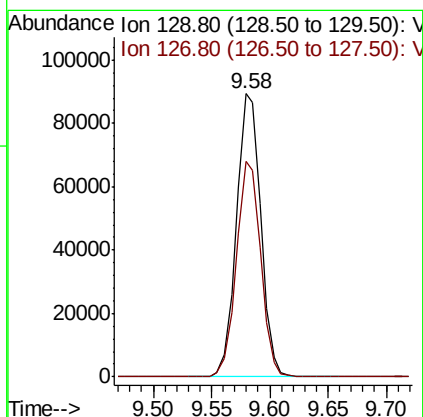
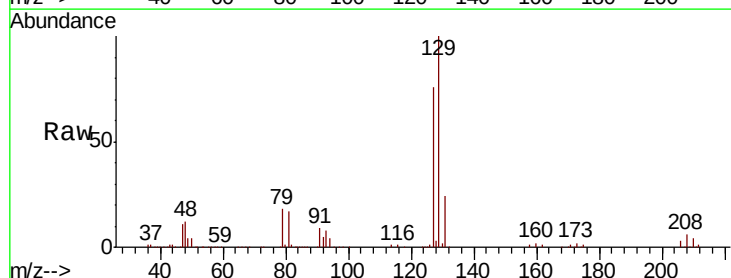
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

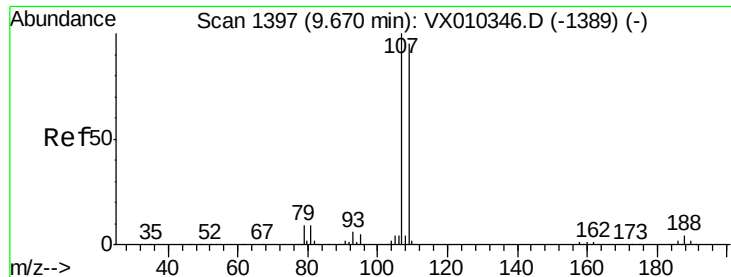
Tot Ion: 43 Resp: 622623
Ion Ratio Lower Upper
43 100
58 56.4 29.0 87.1



#60
Dibromochloromethane
Concen: 51.773 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 129 Resp: 130126
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.1

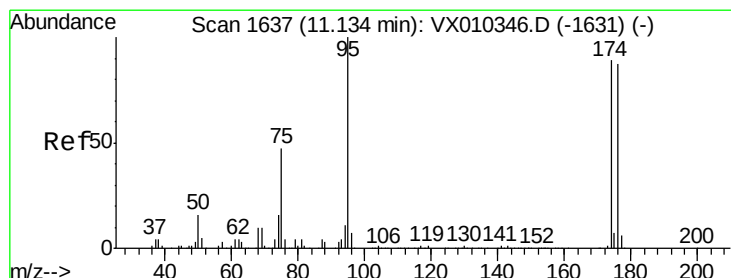
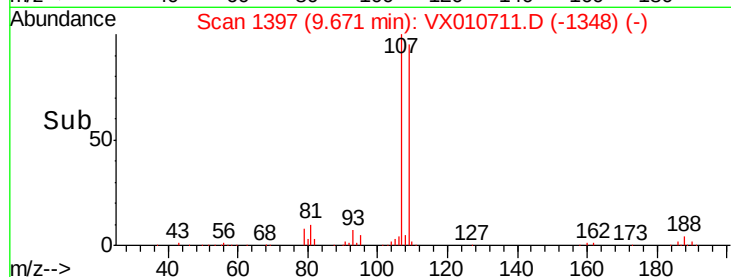
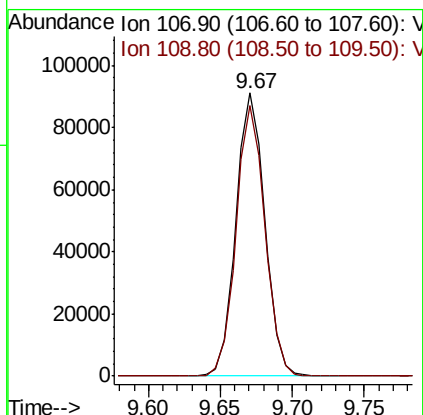
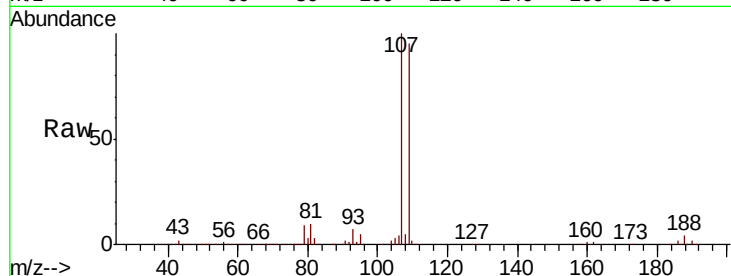




#61
 1,2-Dibromoethane
 Concen: 52.706 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

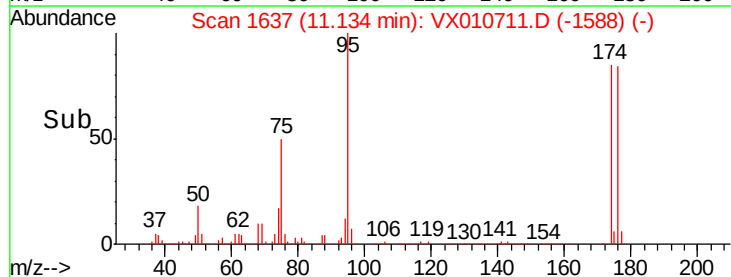
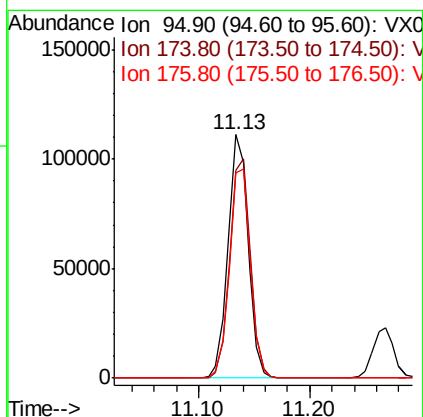
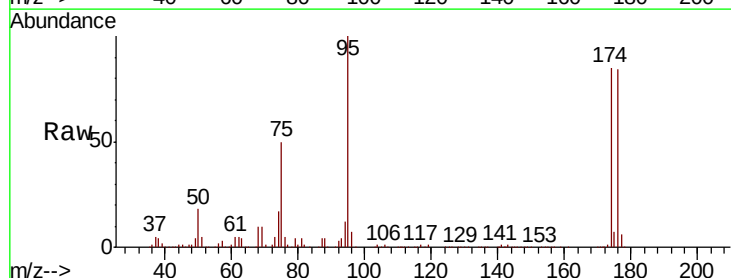
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

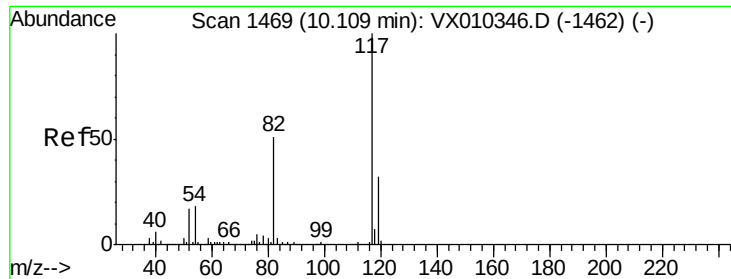
Tot Ion: 107 Resp: 127706
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 49.467 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 95 Resp: 139562
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 187.6
 176 89.2 0.0 184.0

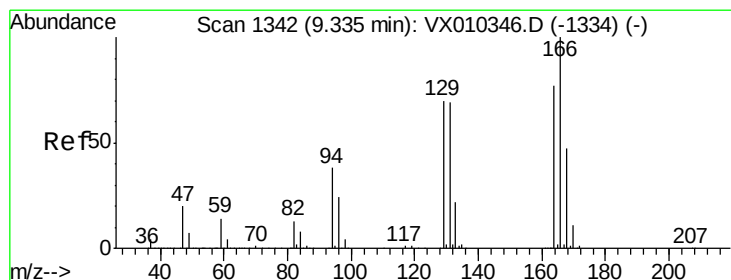
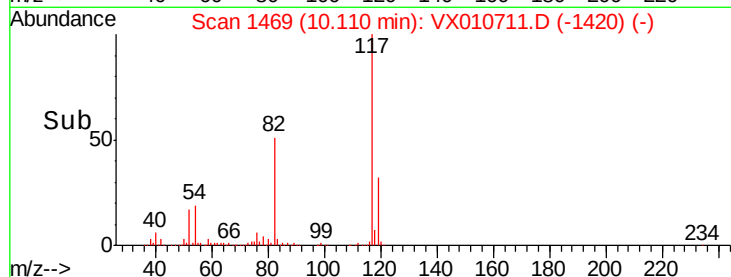
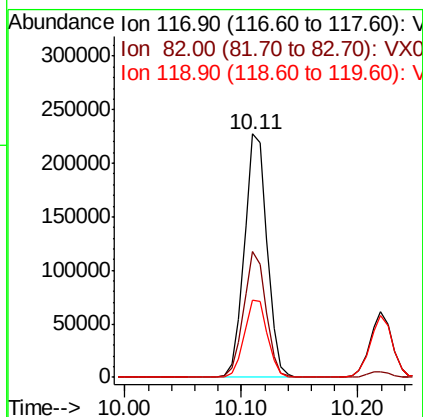
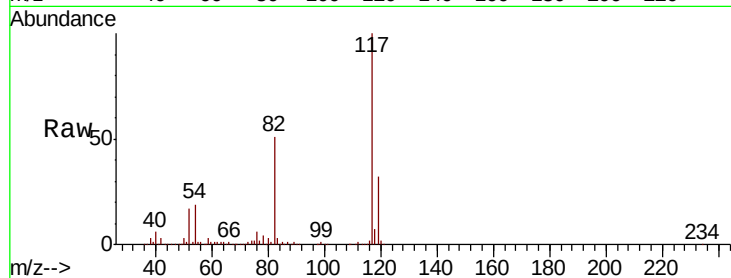




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

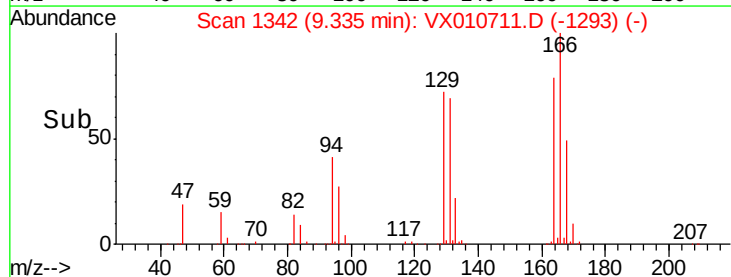
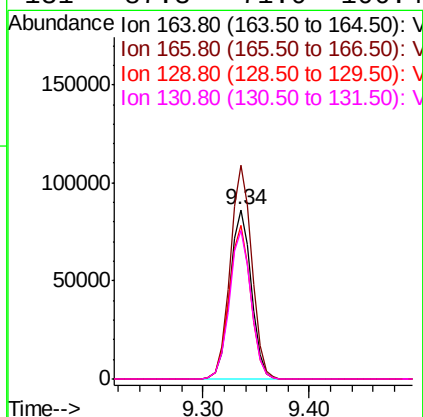
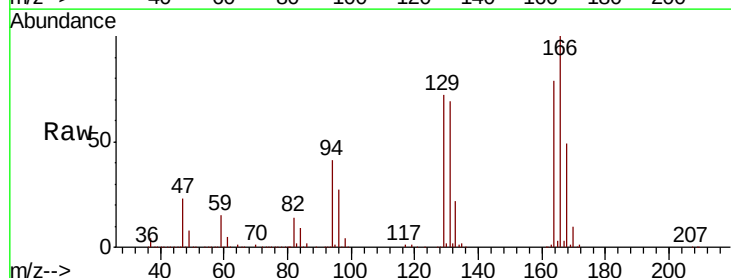
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

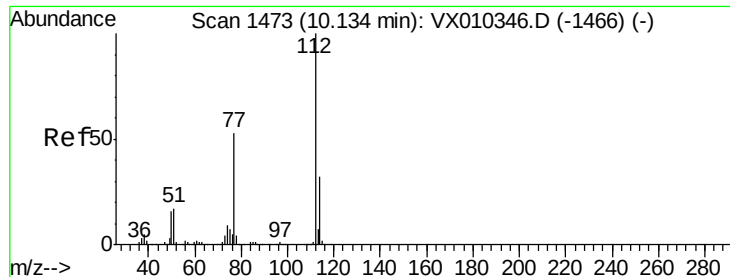
Tot Ion:117 Resp: 309649
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 48.767 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion:164 Resp: 122138
Ion Ratio Lower Upper
164 100
166 126.0 103.6 155.4
129 90.9 73.0 109.4
131 87.3 71.0 106.4

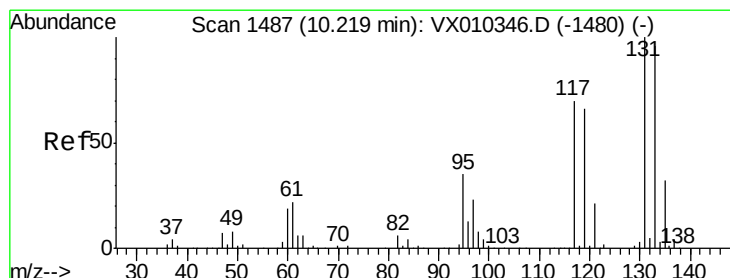
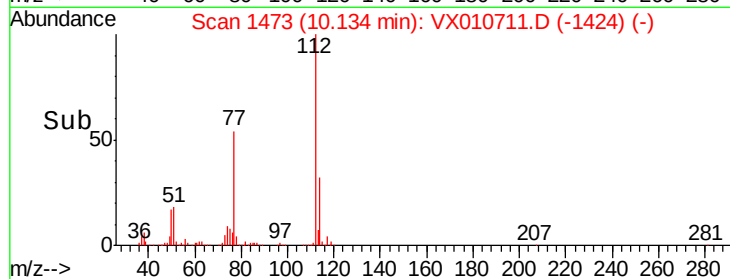
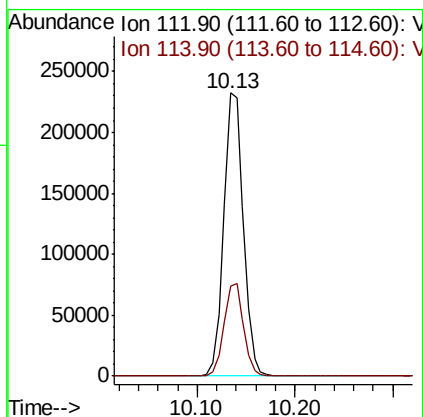
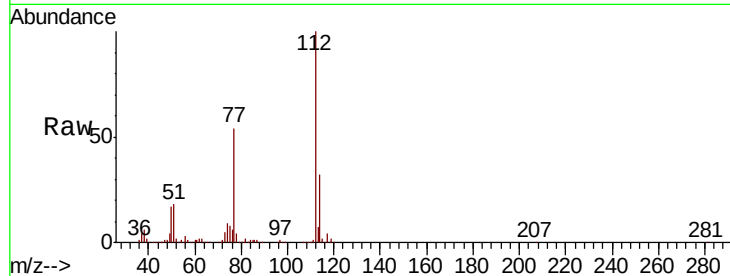




#65
Chlorobenzene
Concen: 51.260 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

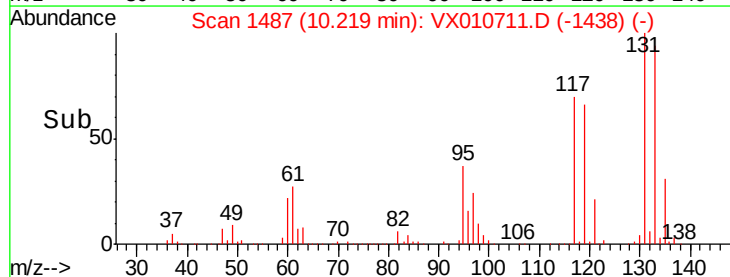
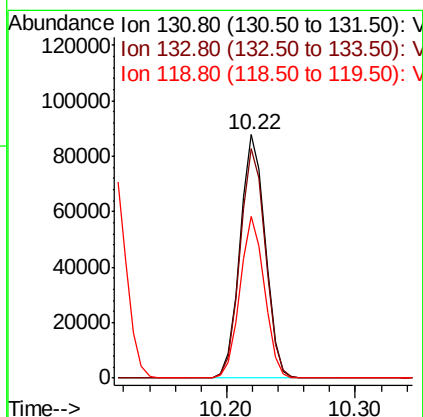
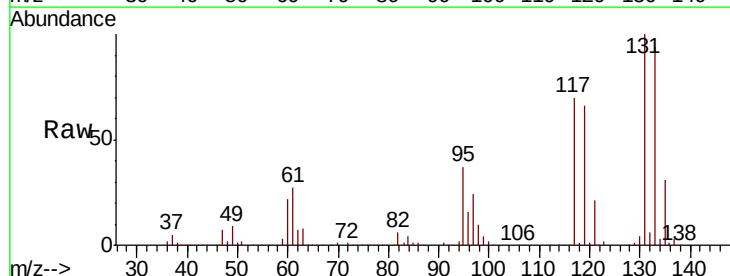
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

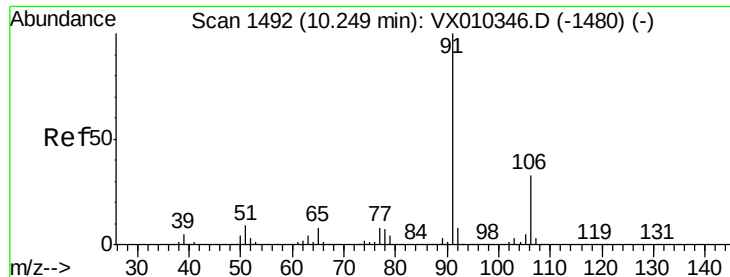
Tot Ion:112 Resp: 322244
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.767 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion:131 Resp: 118540
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 64.8 32.6 97.7

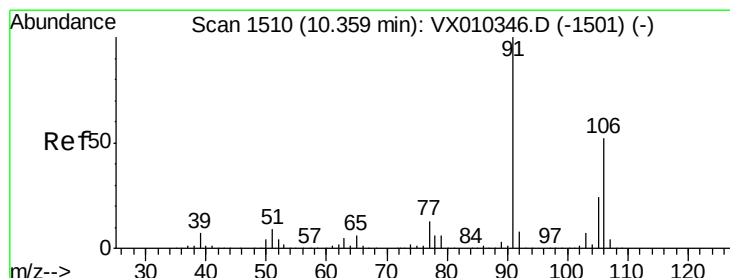
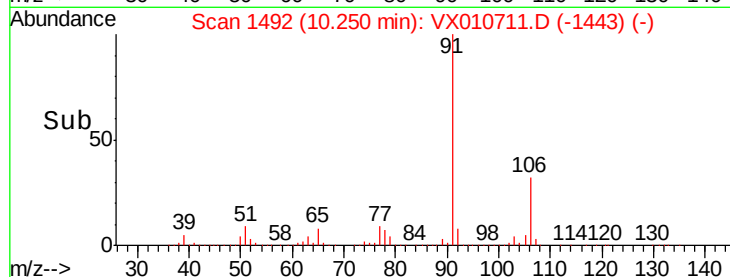
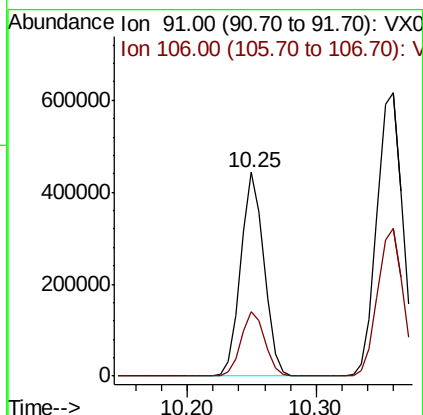
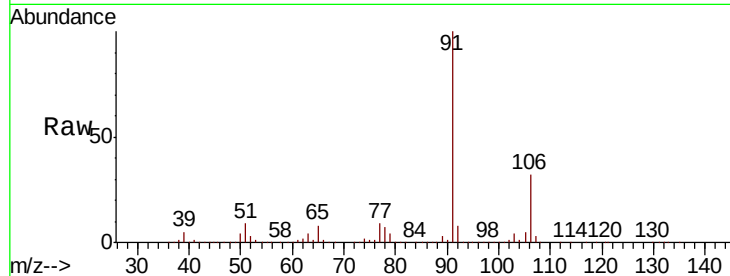




#67
Ethyl Benzene
Concen: 52.363 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

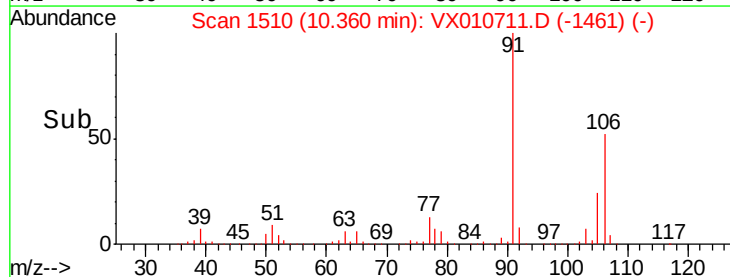
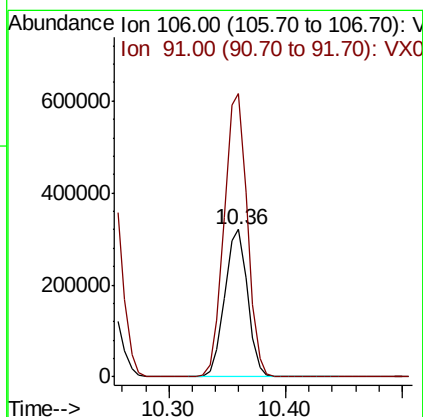
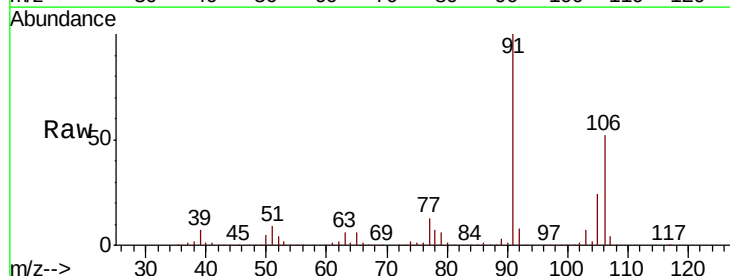
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

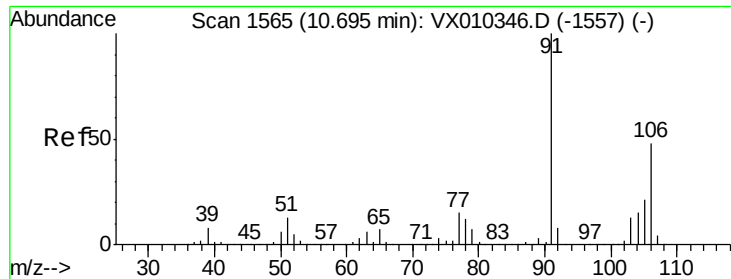
Tot Ion: 91 Resp: 555727
Ion Ratio Lower Upper
91 100
106 31.9 26.2 39.2



#68
m/p-Xylenes
Concen: 105.646 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 106 Resp: 434442
Ion Ratio Lower Upper
106 100
91 195.1 155.3 232.9

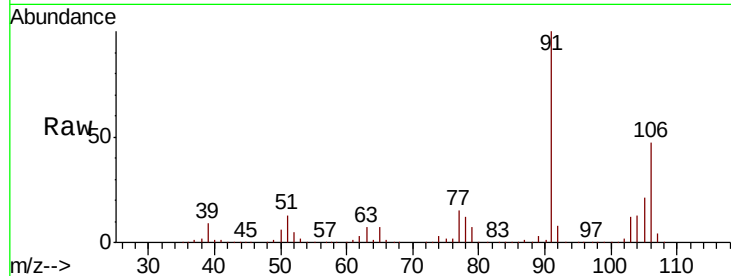




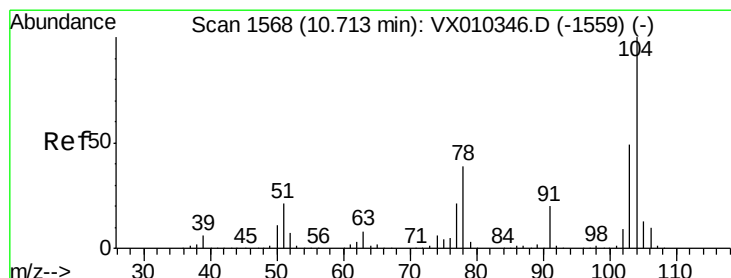
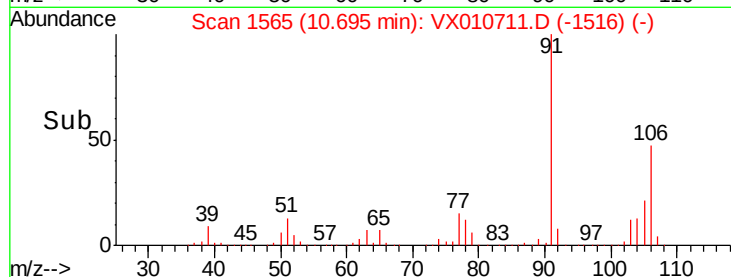
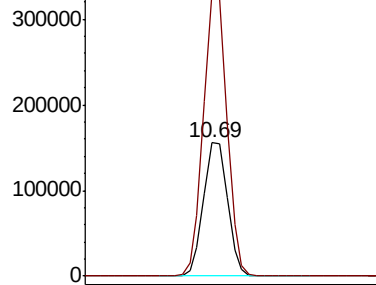
#69
o-Xylene
Concen: 52.413 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 211959
Ion Ratio Lower Upper
106 100
91 207.2 102.7 308.1

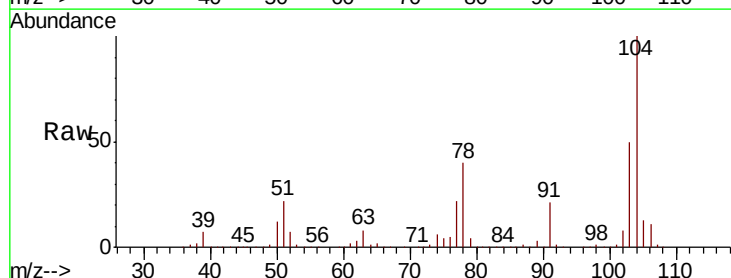


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

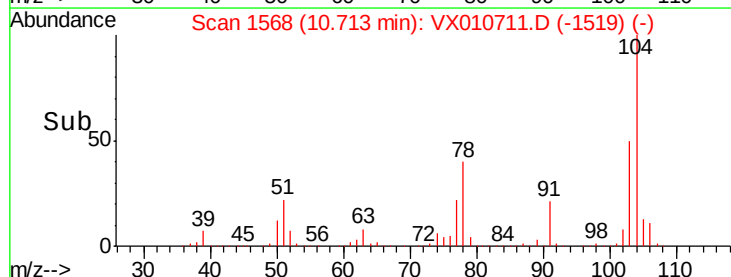
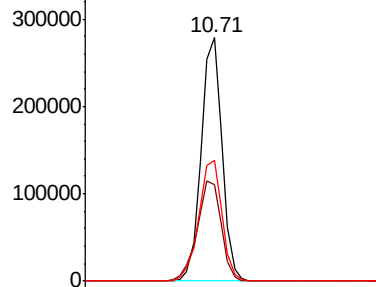


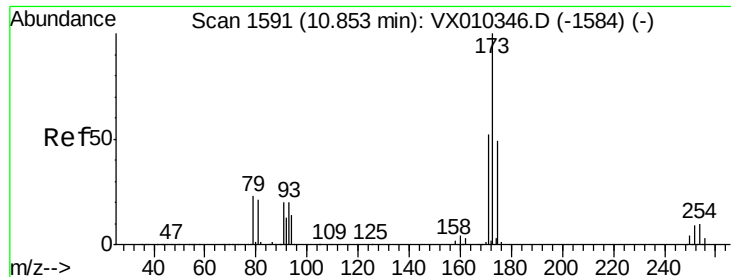
#70
Styrene
Concen: 53.194 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion:104 Resp: 360759
Ion Ratio Lower Upper
104 100
78 47.5 36.2 54.2
103 55.3 44.2 66.4



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: 49.521 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

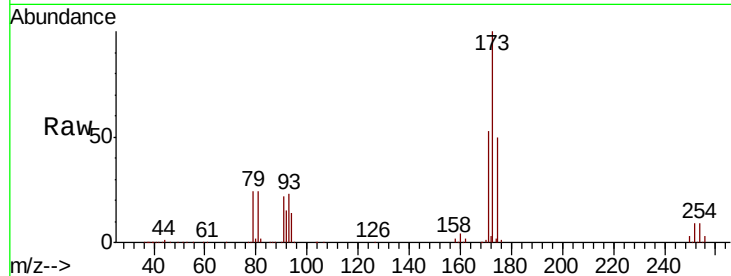
Tot Ion:173 Resp: 98612

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.3

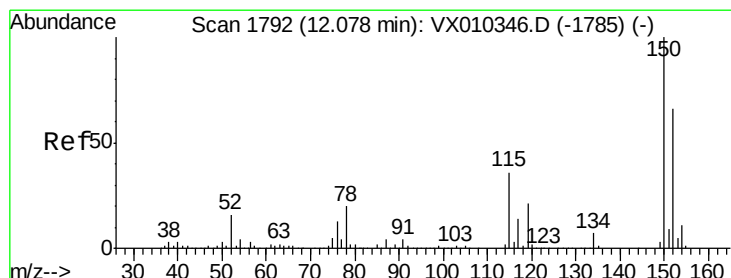
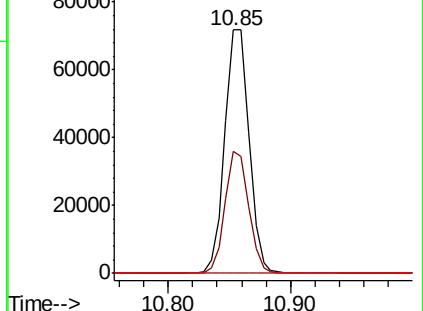
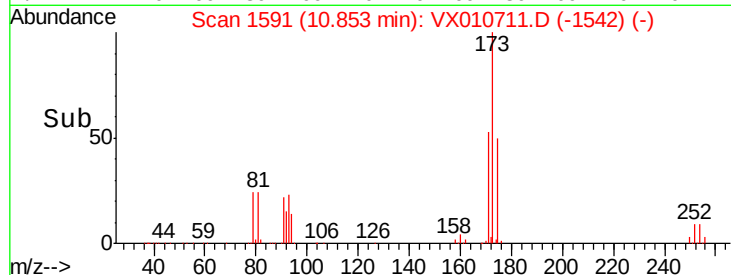
254 0.2 0.2 0.2



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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

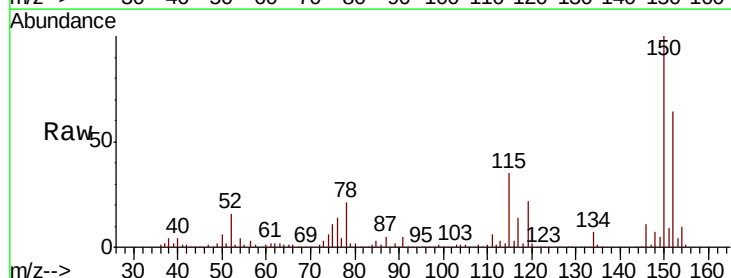
Tgt Ion:152 Resp: 162427

Ion Ratio Lower Upper

152 100

115 78.7 38.6 115.7

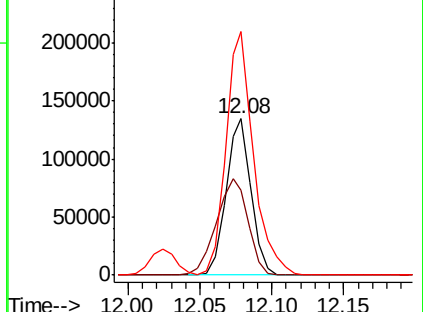
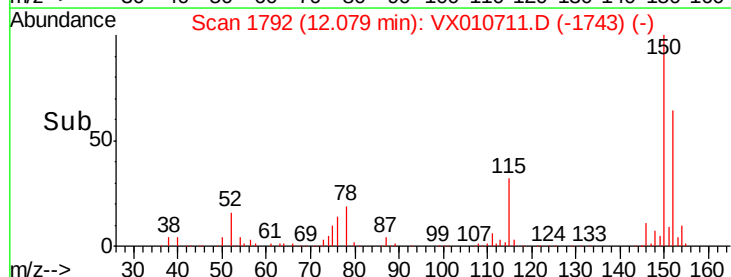
150 173.4 0.0 347.4

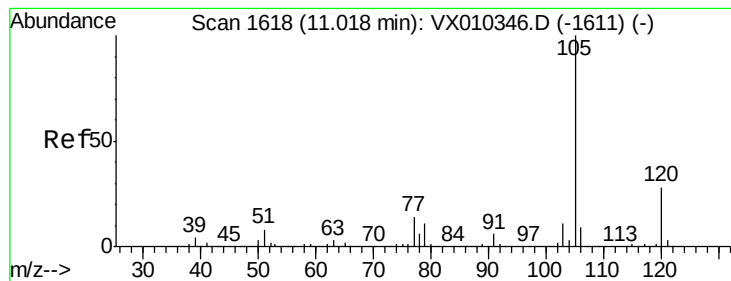


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.232 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

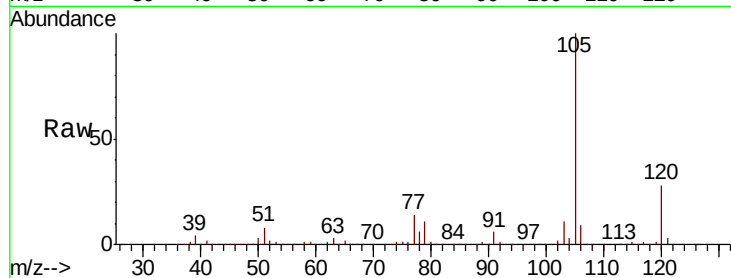
VSTDCCC050

Tot Ion:105 Resp: 564088

Ion Ratio Lower Upper

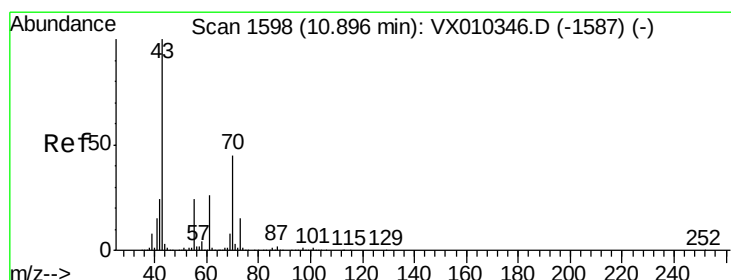
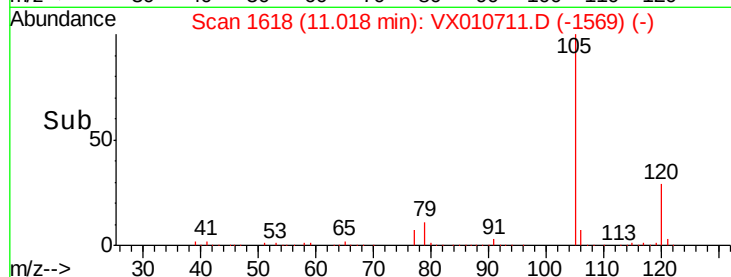
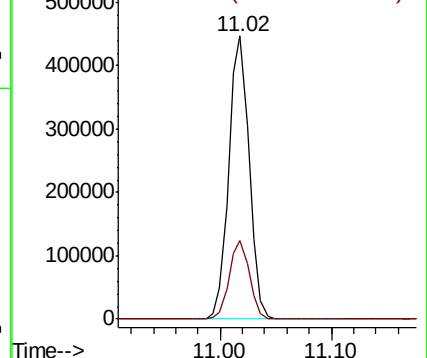
105 100

120 27.6 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.109 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Tgt Ion: 43 Resp: 225155

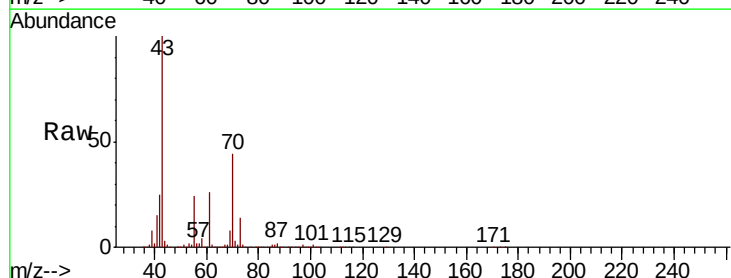
Ion Ratio Lower Upper

43 100

70 44.1 36.6 54.8

55 23.7 18.7 28.1

61 25.0 20.6 31.0

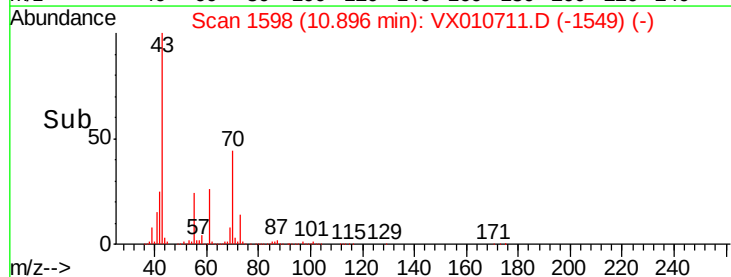
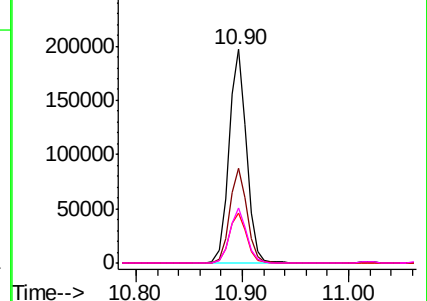


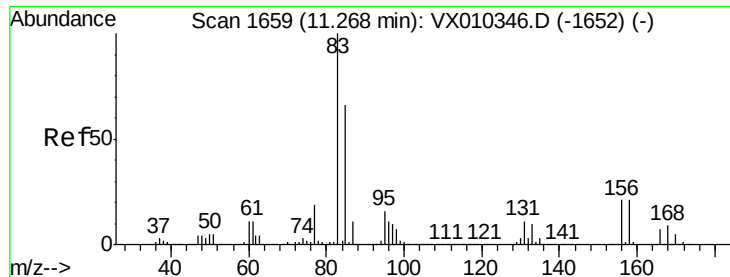
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.918 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

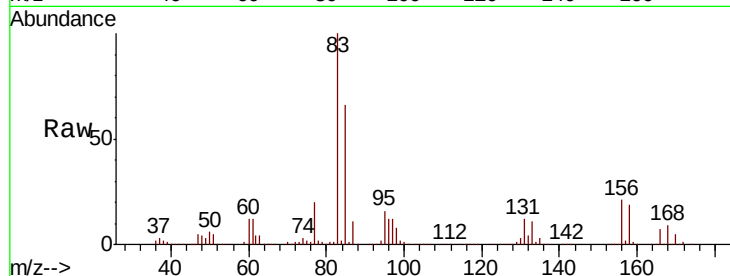
Tot Ion: 83 Resp: 185668

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

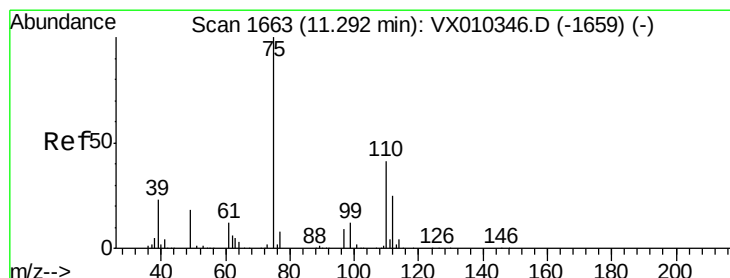
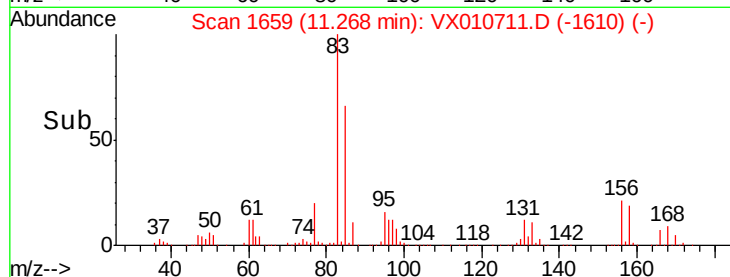
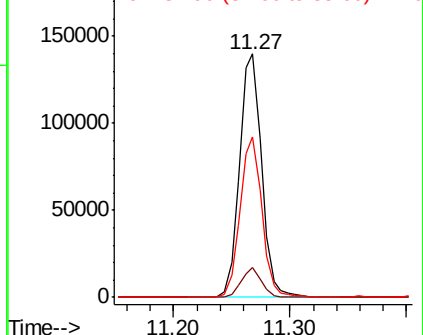
85 65.2 32.3 96.8



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: 70.154 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010711.D

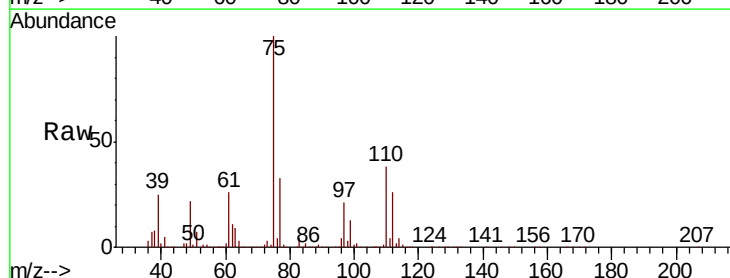
Acq: 08 Jul 2019 21:39

Tgt Ion: 75 Resp: 207646

Ion Ratio Lower Upper

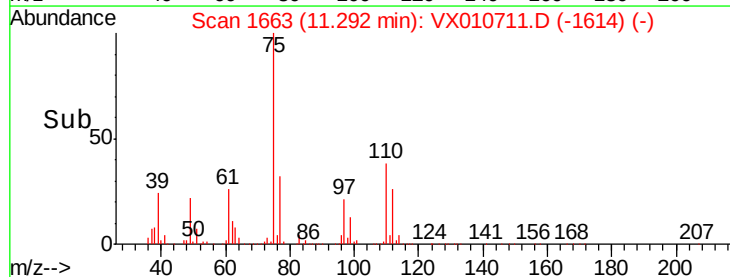
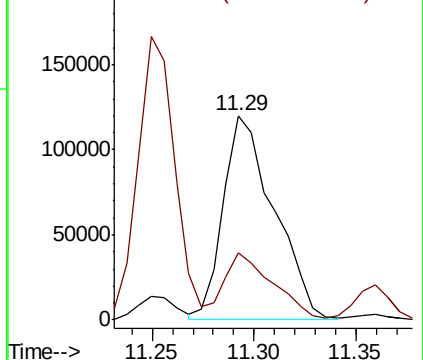
75 100

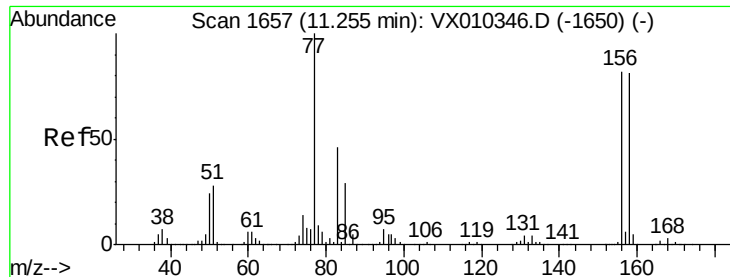
77 31.7 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.783 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

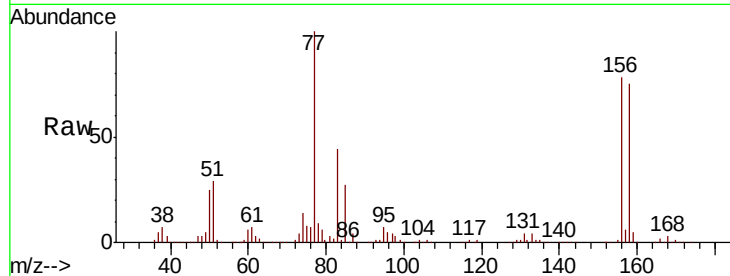
Tot Ion:156 Resp: 153055

Ion Ratio Lower Upper

156 100

77 136.4 66.3 198.7

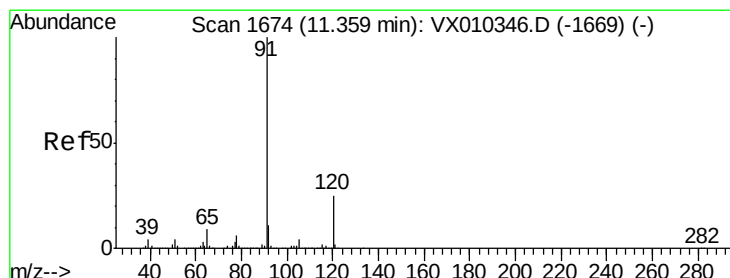
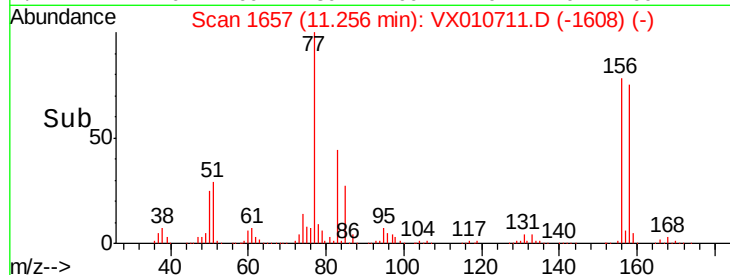
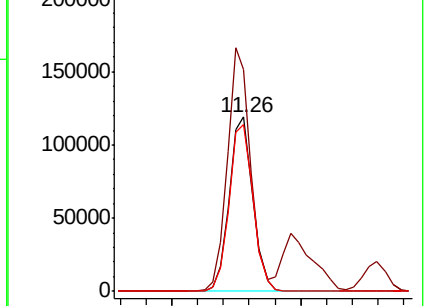
158 97.5 48.9 146.7



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: 52.050 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010711.D

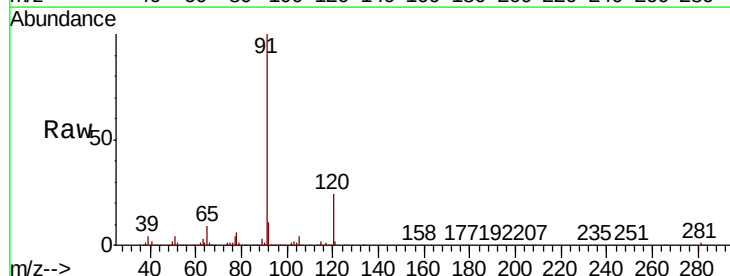
Acq: 08 Jul 2019 21:39

Tgt Ion: 91 Resp: 629867

Ion Ratio Lower Upper

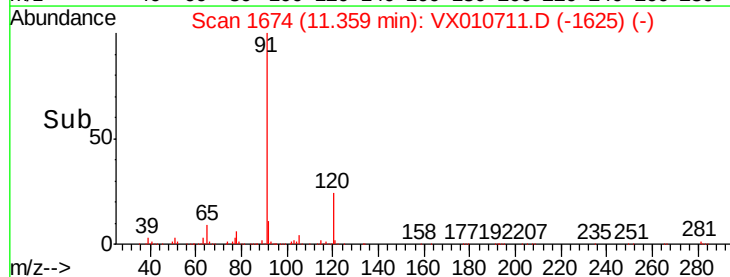
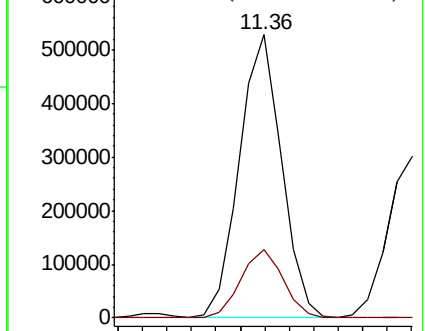
91 100

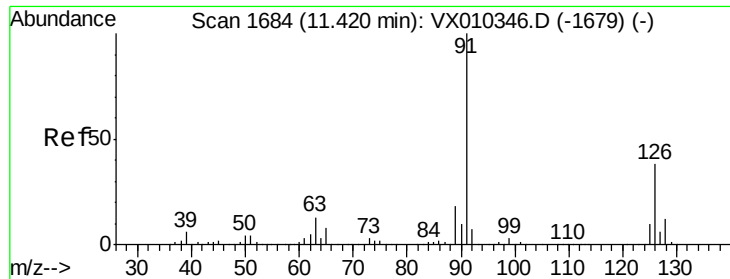
120 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

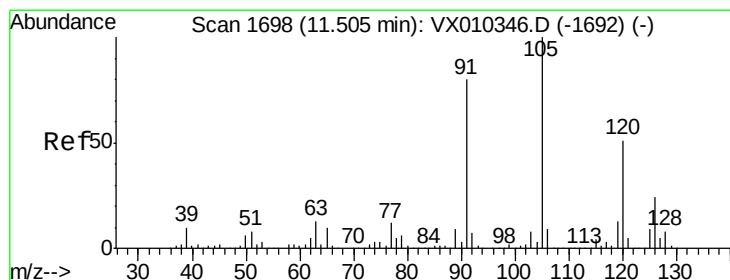
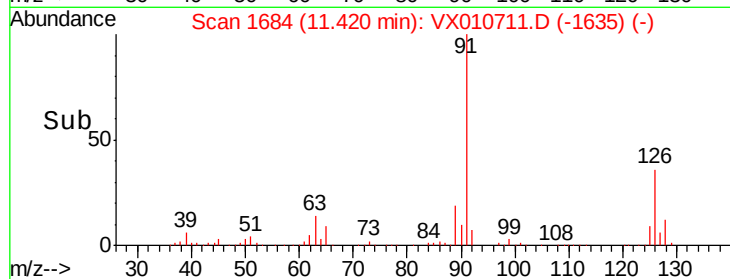
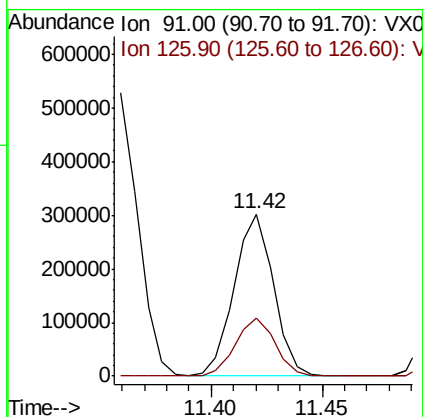
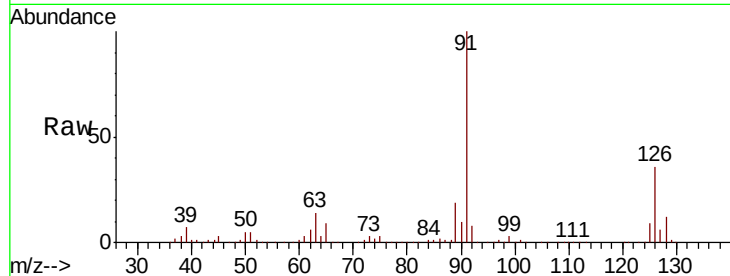




#79
 2-Chlorotoluene
 Concen: 51.640 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

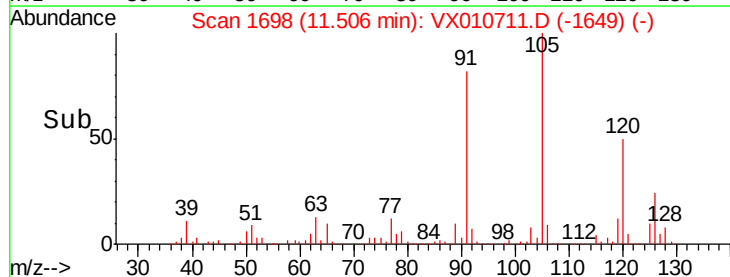
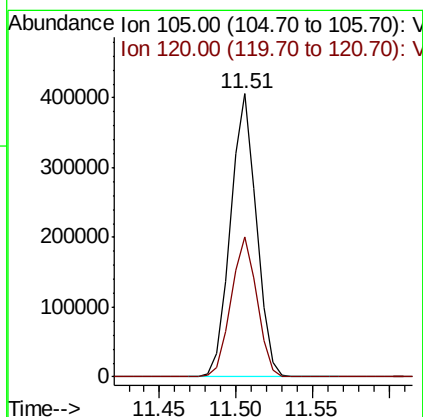
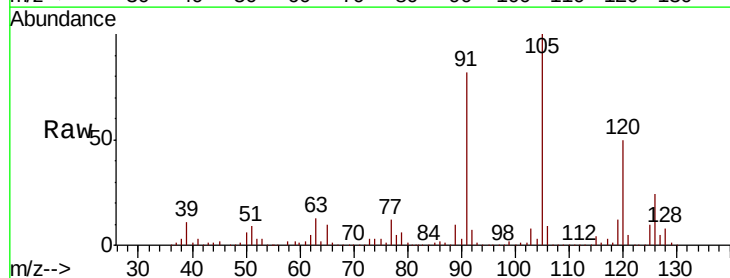
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

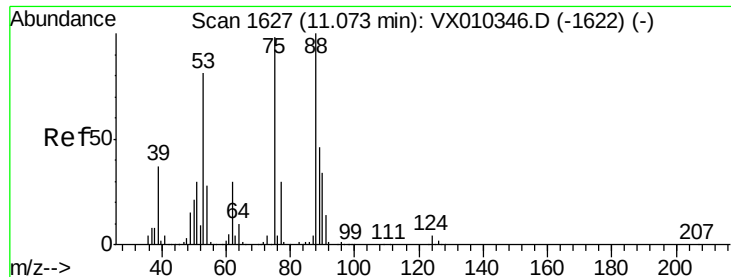
Tot Ion: 91 Resp: 372112
 Ion Ratio Lower Upper
 91 100
 126 36.6 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 52.191 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion: 105 Resp: 473729
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 43.714 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

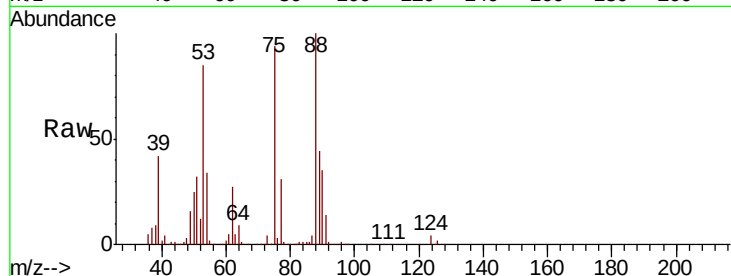
Tot Ion: 75 Resp: 55462

Ion Ratio Lower Upper

75 100

53 93.3 66.1 99.1

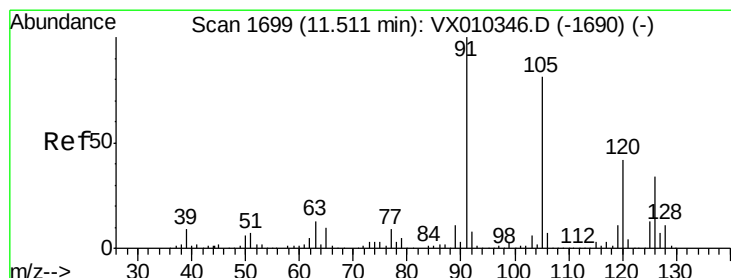
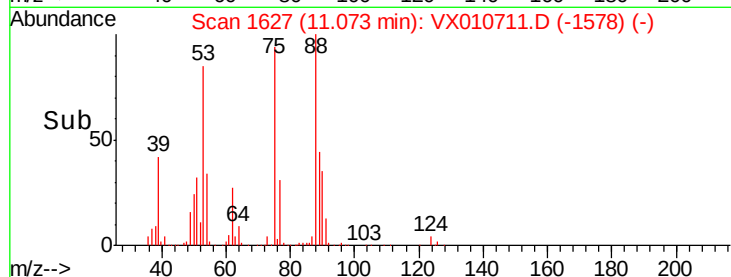
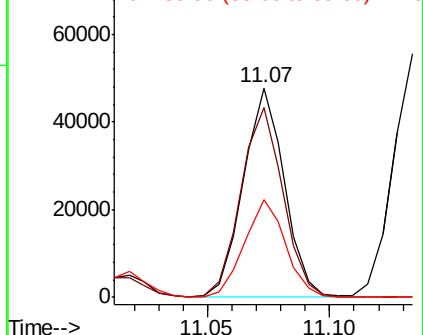
89 47.1 37.8 56.6



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: 52.253 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010711.D

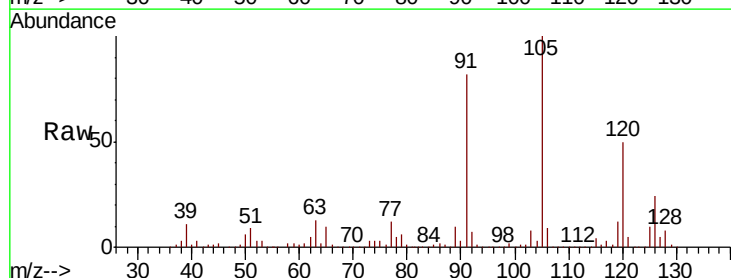
Acq: 08 Jul 2019 21:39

Tgt Ion: 91 Resp: 428453

Ion Ratio Lower Upper

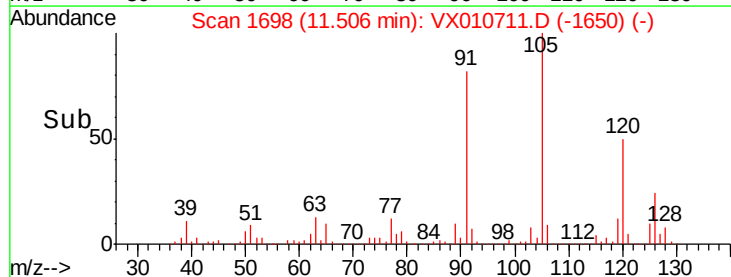
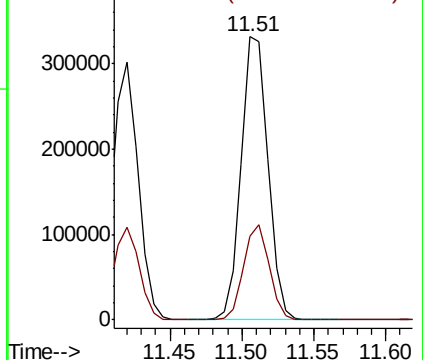
91 100

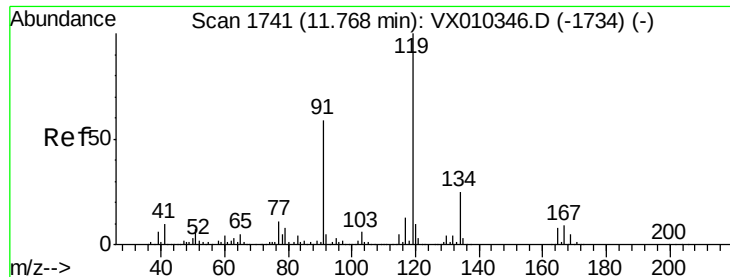
126 32.2 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

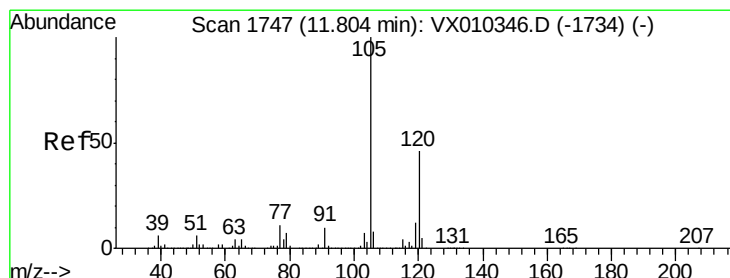
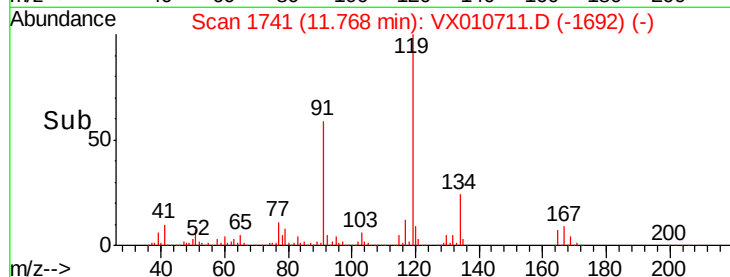
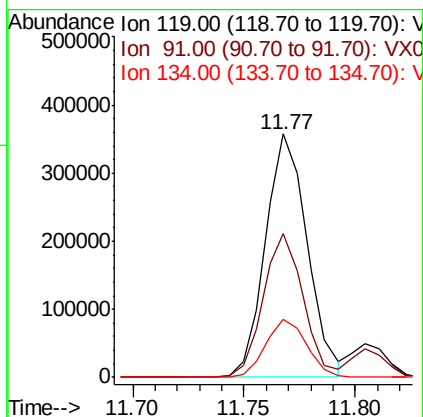
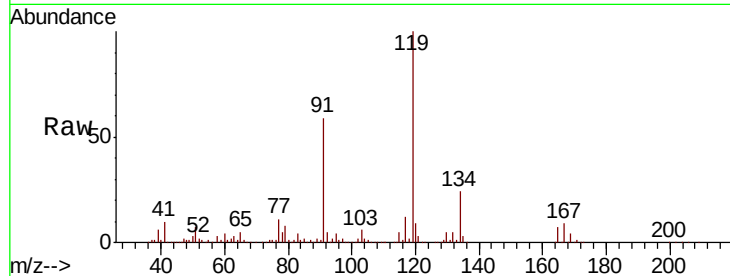




#83
 tert-Butylbenzene
 Concen: 51.242 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

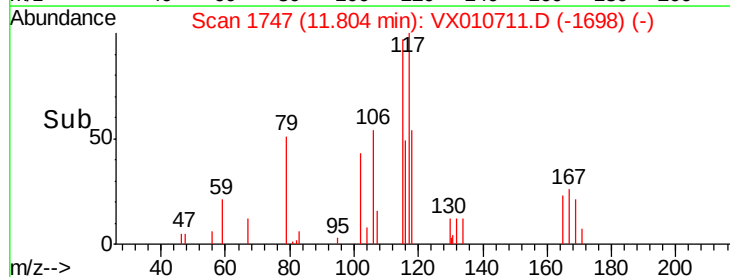
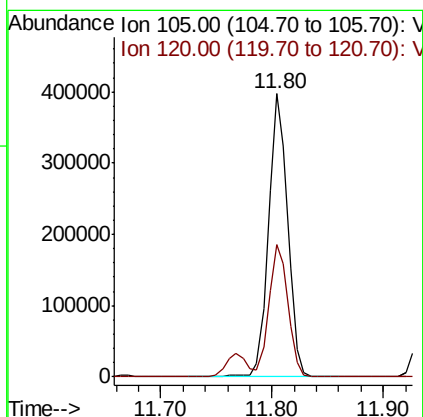
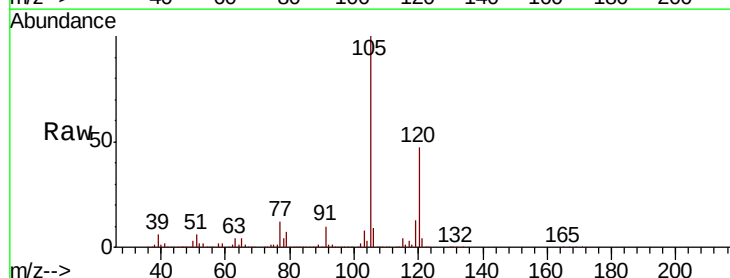
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

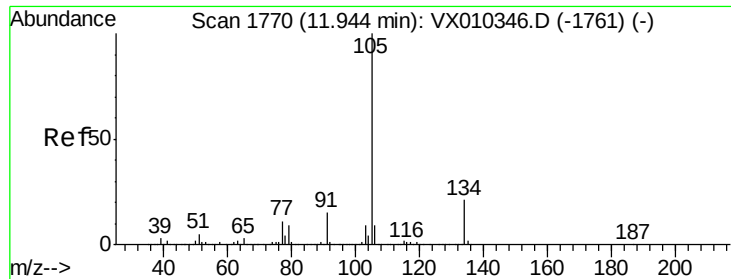
Tot Ion:119 Resp: 466830
 Ion Ratio Lower Upper
 119 100
 91 56.7 27.6 82.7
 134 23.4 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.466 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion:105 Resp: 478464
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 51.339 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

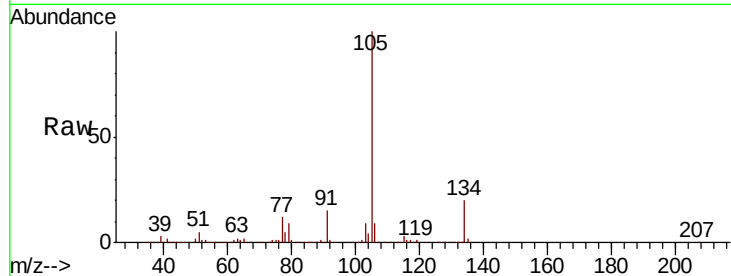
VSTDCCC050

Tot Ion:105 Resp: 549157

Ion Ratio Lower Upper

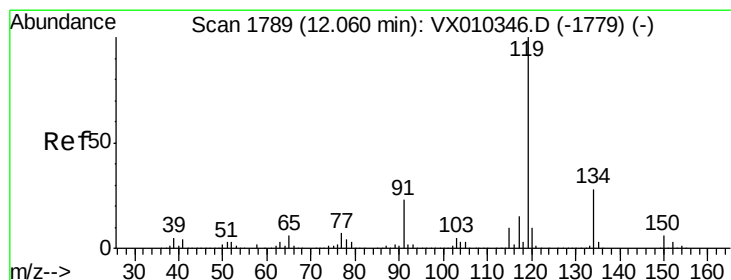
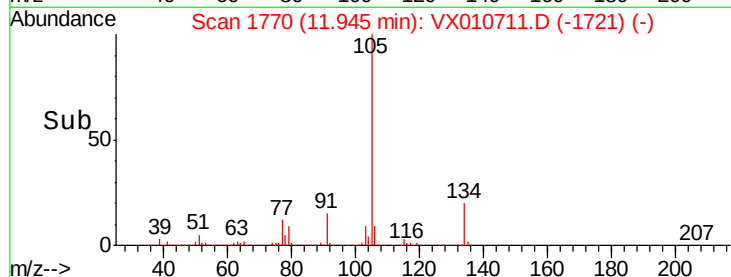
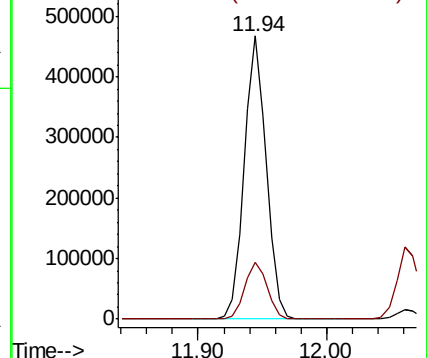
105 100

134 20.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.534 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

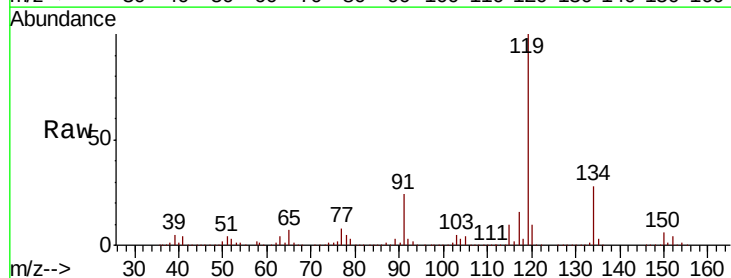
Tgt Ion:119 Resp: 509884

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

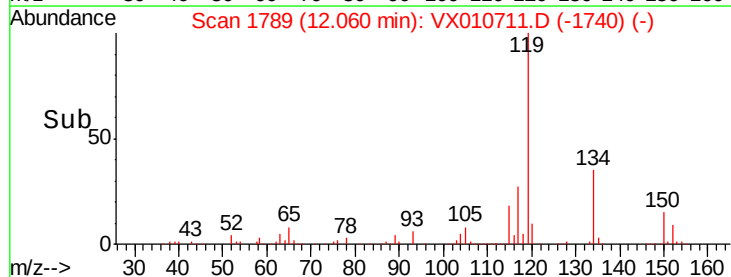
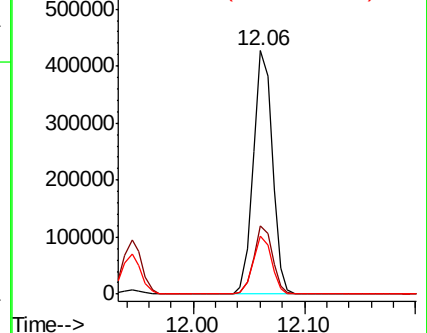
91 23.2 11.3 33.8

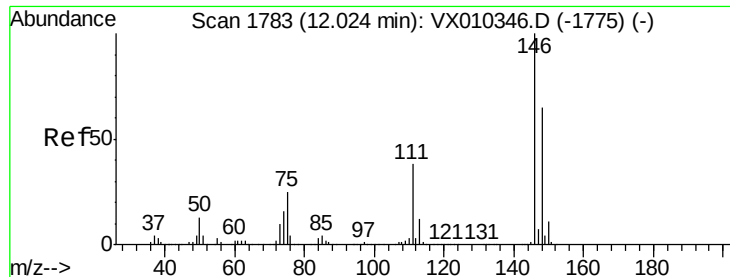


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

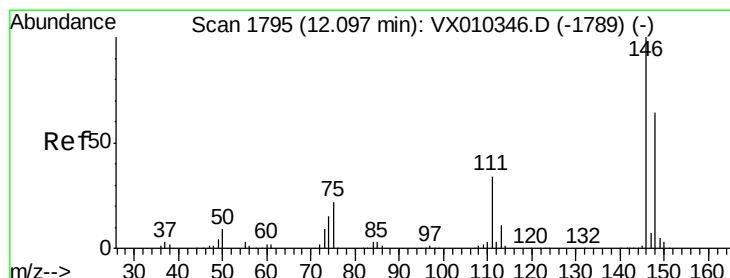
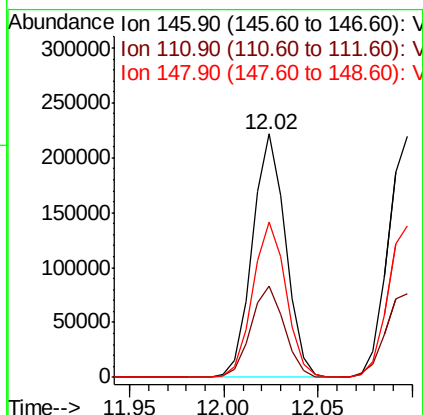
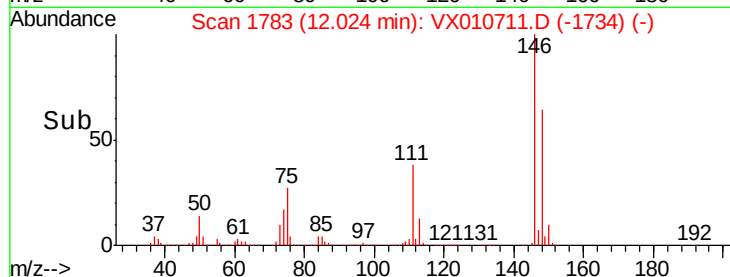
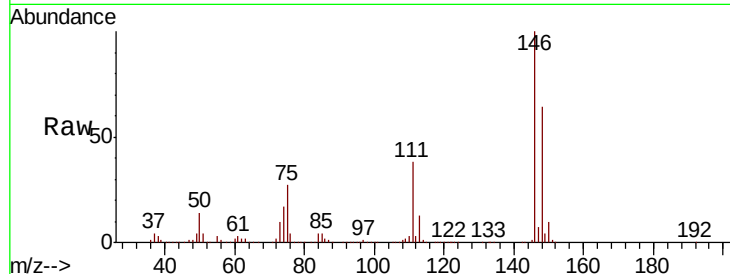




#87
 1,3-Dichlorobenzene
 Concen: 50.315 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

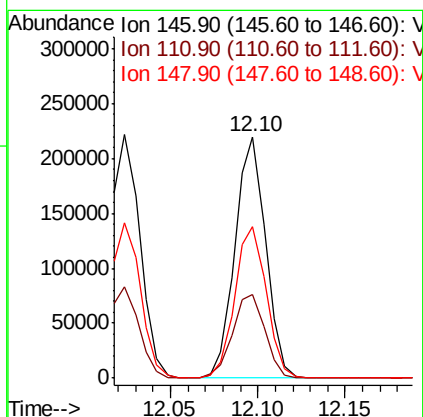
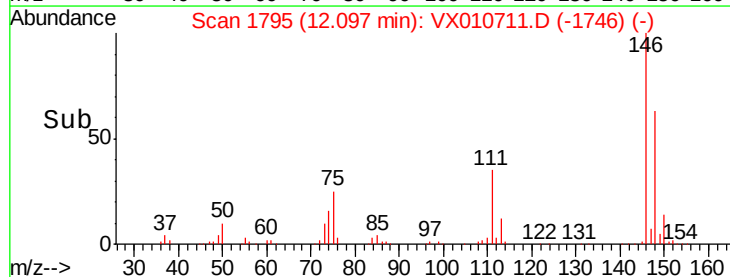
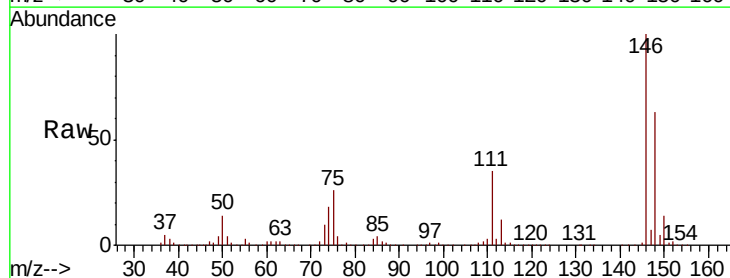
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

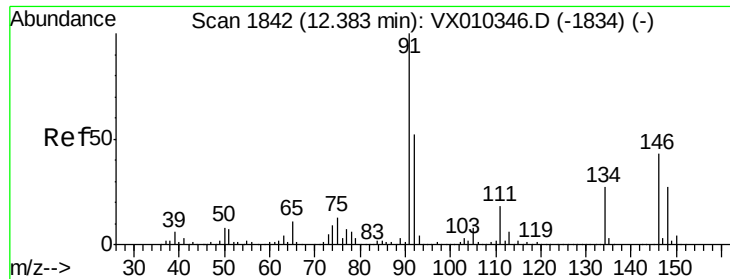
Tot Ion:146 Resp: 270024
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.1
 148 64.1 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 49.005 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion:146 Resp: 267740
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.3
 148 64.4 32.1 96.3

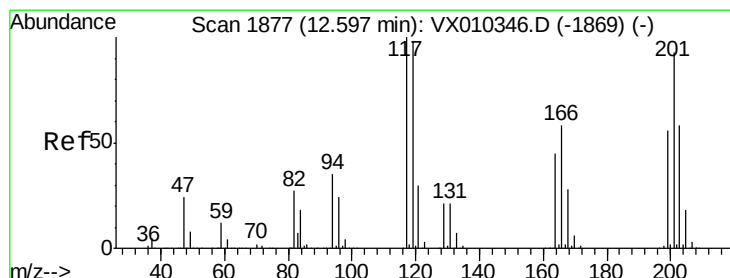
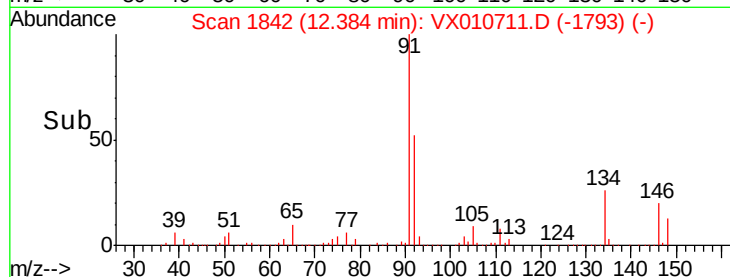
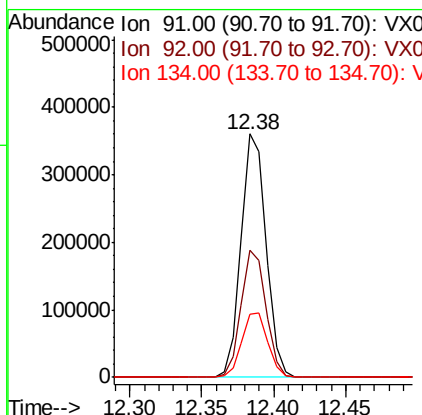
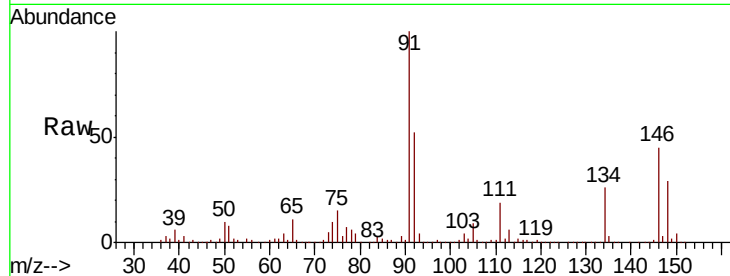




#89
n-Butylbenzene
Concen: 51.737 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

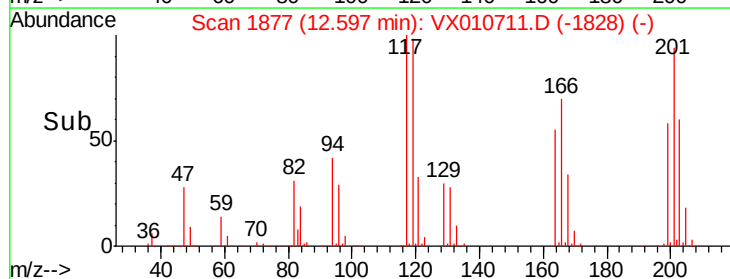
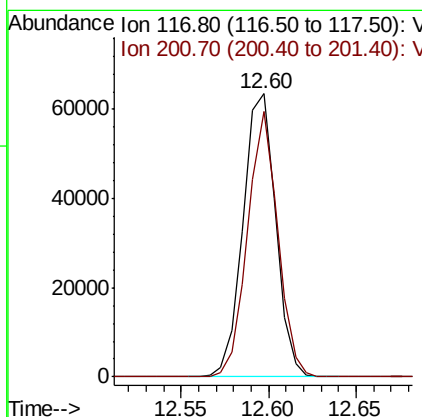
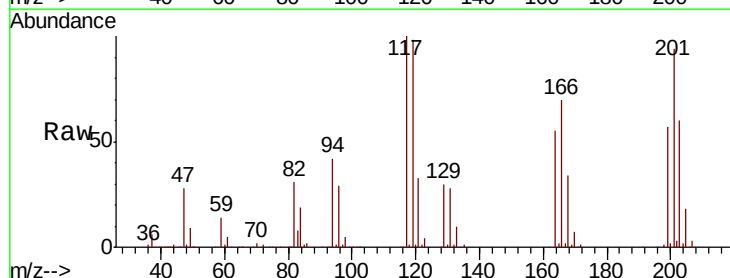
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

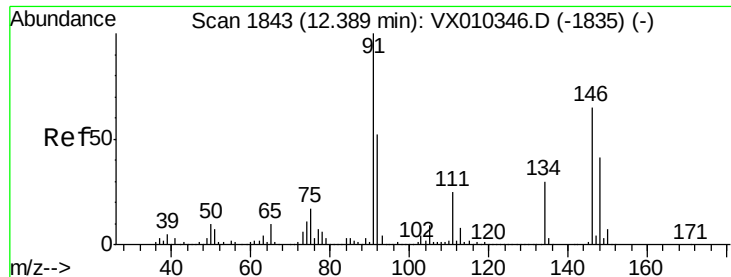
Tot Ion: 91 Resp: 434980
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 27.4 14.1 42.4



#90
Hexachloroethane
Concen: 48.311 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010711.D
Acq: 08 Jul 2019 21:39

Tgt Ion: 117 Resp: 82652
Ion Ratio Lower Upper
117 100
201 86.6 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 49.913 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

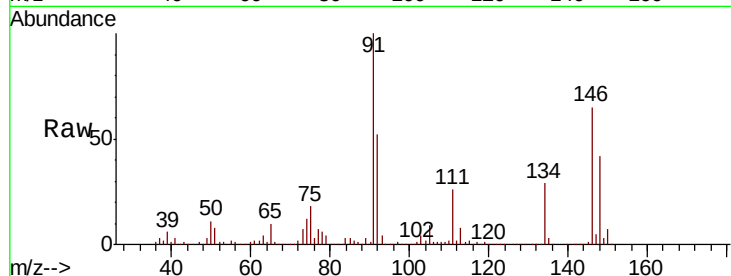
Tot Ion:146 Resp: 266226

Ion Ratio Lower Upper

146 100

111 39.4 19.2 57.6

148 64.4 32.0 96.0

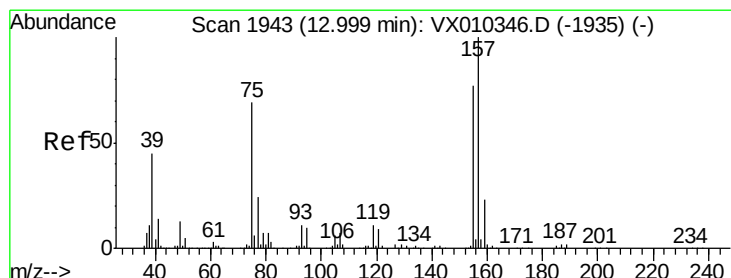
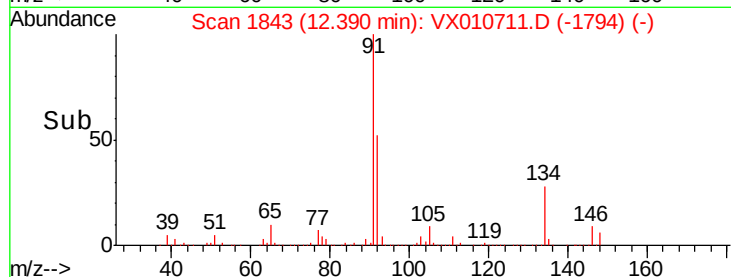
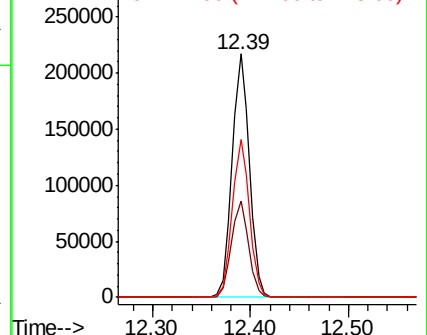


Abundance

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: 49.599 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

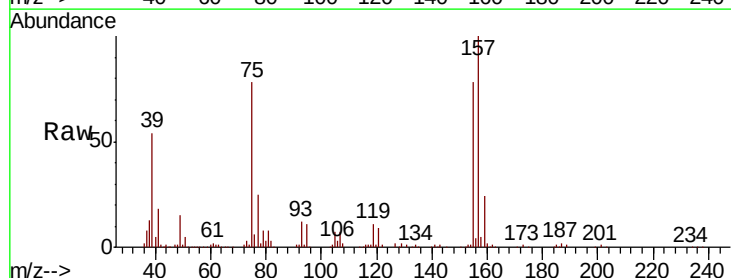
Tgt Ion: 75 Resp: 38994

Ion Ratio Lower Upper

75 100

155 100.5 54.4 163.1

157 130.4 69.5 208.3

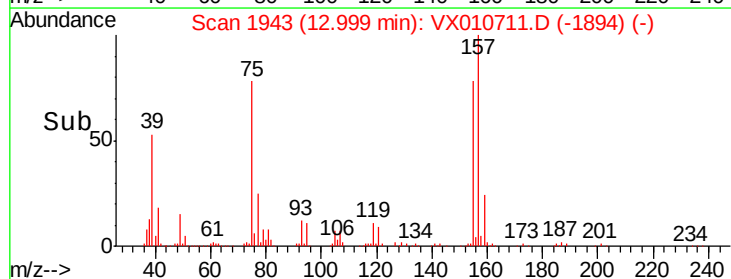
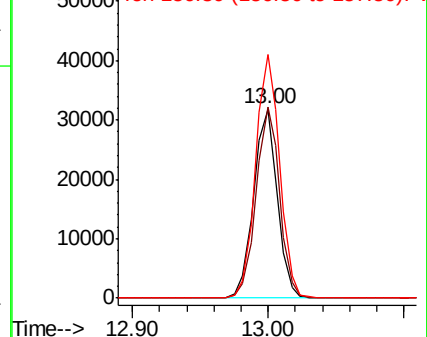


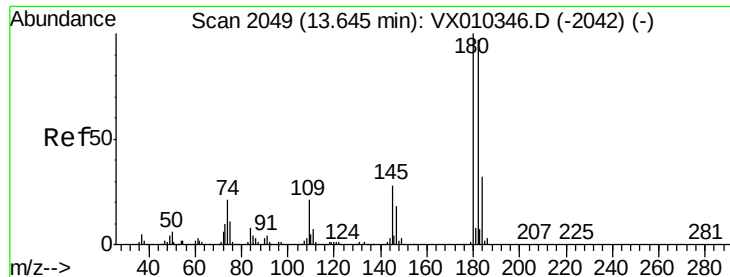
Abundance

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

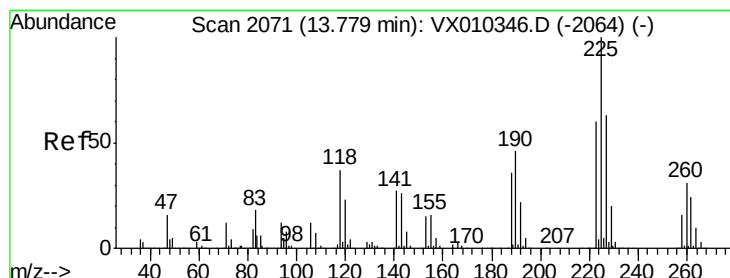
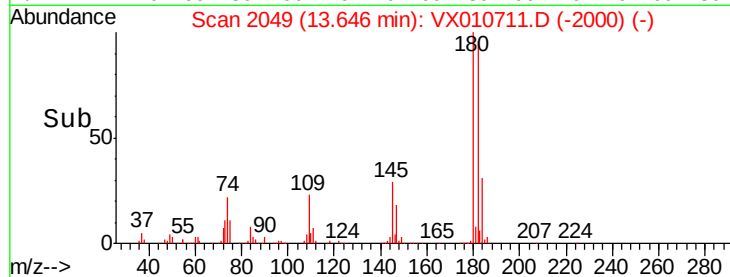
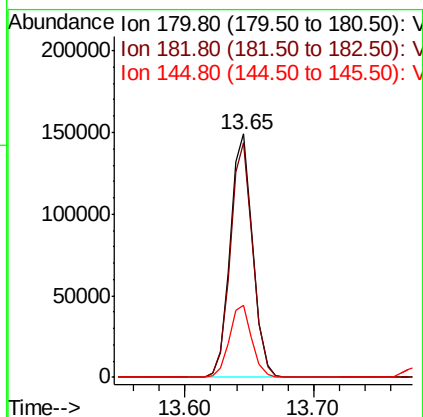
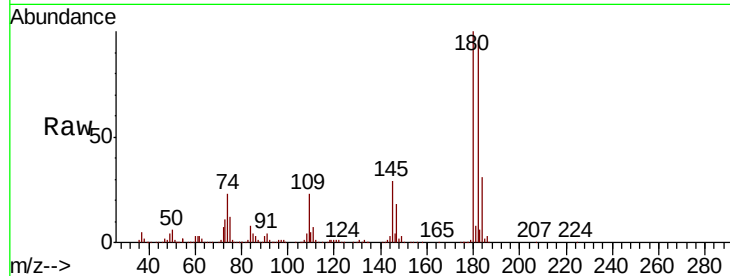




#93
 1,2,4-Trichlorobenzene
 Concen: 49.132 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

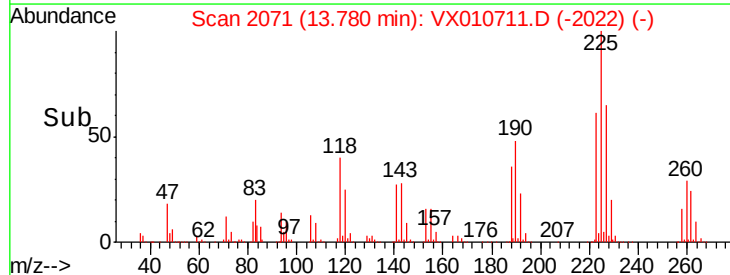
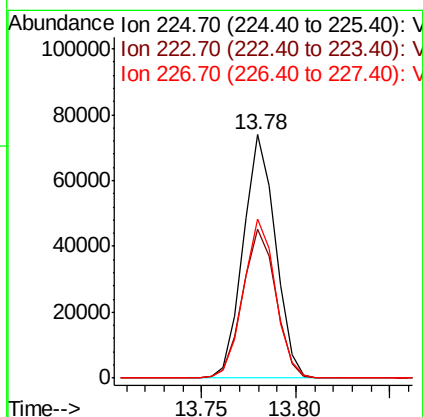
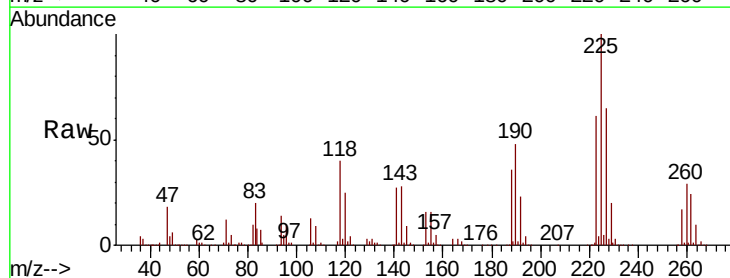
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

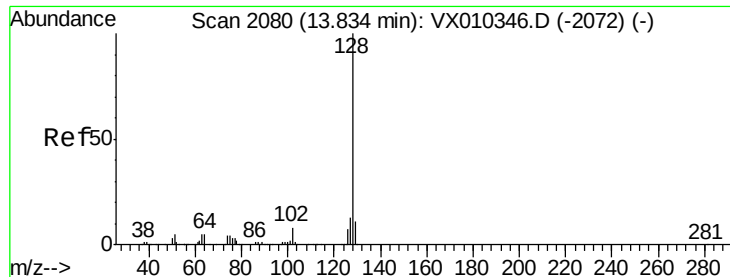
Tot Ion:180 Resp: 181733
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.0 144.0
 145 29.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 48.559 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010711.D
 Acq: 08 Jul 2019 21:39

Tgt Ion:225 Resp: 87784
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 64.8 31.9 95.5





#95

Naphthalene

Concen: 50.729 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

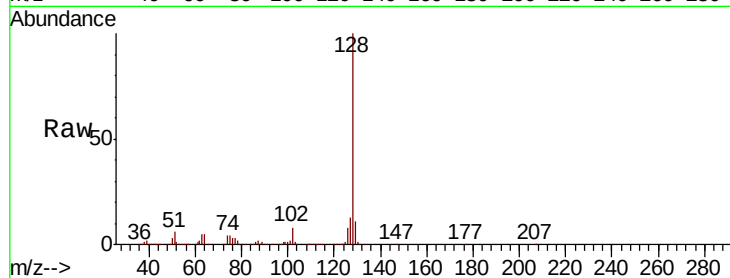
Tot Ion:128 Resp: 576637

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

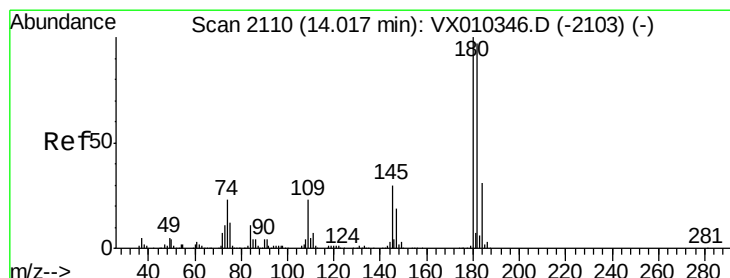
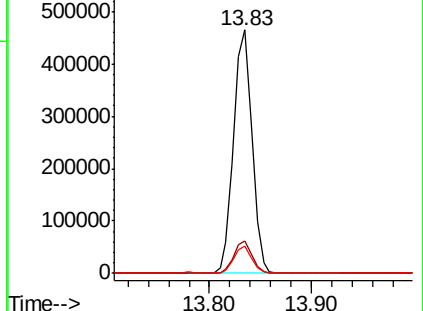
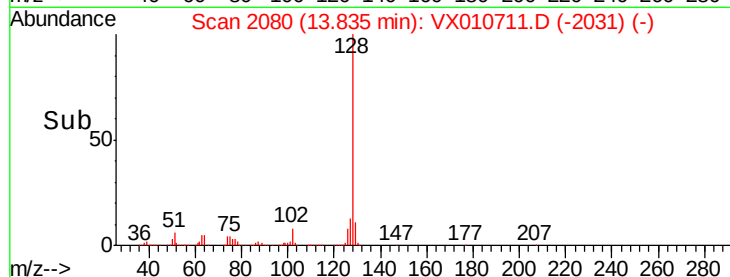
129 10.9 8.9 13.3



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: 50.244 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010711.D

Acq: 08 Jul 2019 21:39

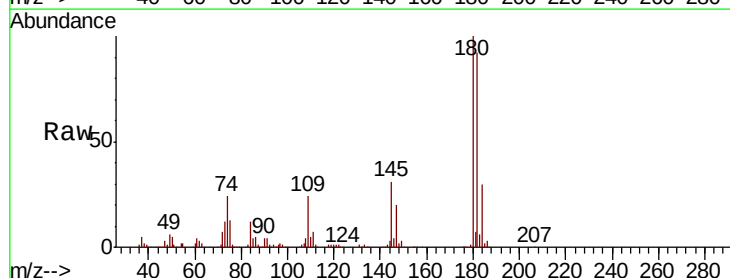
Tgt Ion:180 Resp: 184780

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.3

145 30.5 15.2 45.6



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

