

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010945.D
 Acq On : 17 Jul 2019 18:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 18 02:32:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151112	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	108030	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.49	113	97568	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	362328	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.13	95	135650	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	116522	52.223	ug/l	98
3) Chloromethane	1.32	50	103563	53.846	ug/l	100
4) Vinyl Chloride	1.41	62	108368	55.239	ug/l	99
5) Bromomethane	1.64	94	59305	53.645	ug/l	97
6) Chloroethane	1.72	64	65648	52.657	ug/l	96
7) Trichlorofluoromethane	1.93	101	182066	54.825	ug/l	100
8) Diethyl Ether	2.19	74	61133	53.430	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99887	52.680	ug/l	98
10) Methyl Iodide	2.51	142	122786	49.347	ug/l	99
11) Tert butyl alcohol	3.05	59	117788	227.306	ug/l	99
12) 1,1-Dichloroethene	2.37	96	98280	52.755	ug/l	99
13) Acrolein	2.29	56	65315	218.159	ug/l	100
14) Allyl chloride	2.73	41	144432	53.374	ug/l	99
15) Acrylonitrile	3.14	53	277299	264.825	ug/l	99
16) Acetone	2.45	43	232781	231.638	ug/l	99
17) Carbon Disulfide	2.57	76	252353	52.808	ug/l	99
18) Methyl Acetate	2.78	43	117618	51.401	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	317242	52.898	ug/l	99
20) Methylene Chloride	2.85	84	111847	52.518	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	104523	52.878	ug/l	94
22) Diisopropyl ether	3.85	45	305290	53.492	ug/l	98
23) Vinyl Acetate	3.81	43	1338999	276.903	ug/l	100
24) 1,1-Dichloroethane	3.70	63	175516	52.955	ug/l	99
25) 2-Butanone	4.67	43	382364	265.057	ug/l	99
26) 2,2-Dichloropropane	4.59	77	134349	49.367	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122042	53.348	ug/l	97
28) Bromochloromethane	5.02	49	78605	50.327	ug/l	100
29) Tetrahydrofuran	5.13	42	246038	269.252	ug/l	99
30) Chloroform	5.21	83	187614	52.369	ug/l	97
31) Cyclohexane	5.58	56	158648	52.514	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	166013	53.562	ug/l	99
36) 1,1-Dichloropropene	5.80	75	135659	52.488	ug/l	99
37) Ethyl Acetate	4.83	43	140483	53.082	ug/l	98
38) Carbon Tetrachloride	5.79	117	145372	53.977	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	173301	51.706	ug/l	99
40) Benzene	6.14	78	420844	53.156	ug/l	100
41) Methacrylonitrile	5.04	41	78025	51.934	ug/l	98
42) 1,2-Dichloroethane	6.19	62	145952	53.021	ug/l	100
43) Isopropyl Acetate	6.45	43	233004	53.543	ug/l	99
44) Trichloroethene	7.21	130	120150	51.270	ug/l	92
45) 1,2-Dichloropropane	7.51	63	106034	52.621	ug/l	97
46) Dibromomethane	7.66	93	76792	53.332	ug/l	99
47) Bromodichloromethane	7.90	83	141443	55.184	ug/l	97
48) Methyl methacrylate	7.77	41	115333	54.404	ug/l	98
49) 1,4-Dioxane	7.74	88	56559	953.788	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	769899	272.924	ug/l	100
52) Toluene	8.79	92	278582	53.564	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	152674	55.397	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	166075	54.154	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	112243	52.414	ug/l	99
56) Ethyl methacrylate	9.18	69	175720	56.096	ug/l	99
57) 1,3-Dichloropropane	9.37	76	181972	53.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	409515	273.865	ug/l	99
59) 2-Hexanone	9.49	43	603469	275.813	ug/l	99
60) Dibromochloromethane	9.58	129	123211	49.993	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124259	54.676	ug/l	99
64) Tetrachloroethene	9.34	164	116825	51.243	ug/l	98
65) Chlorobenzene	10.14	112	308055	51.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	114980	54.963	ug/l	99
67) Ethyl Benzene	10.25	91	540031	53.302	ug/l	99
68) m/p-Xylenes	10.36	106	412452	106.129	ug/l	99
69) o-Xylene	10.69	106	200793	52.940	ug/l	99
70) Styrene	10.71	104	349233	55.235	ug/l	99
71) Bromoform	10.85	173	93309	49.039	ug/l #	99
73) Isopropylbenzene	11.02	105	539496	52.837	ug/l	99
74) N-amyl acetate	10.90	43	217419	55.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	178393	53.387	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	196928	72.217	ug/l	84
77) Bromobenzene	11.26	156	147862	52.499	ug/l	99
78) n-propylbenzene	11.36	91	605270	53.650	ug/l	99
79) 2-Chlorotoluene	11.42	91	359907	53.105	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	454924	53.320	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	50822	47.440	ug/l	97
82) 4-Chlorotoluene	11.51	91	421237	53.402	ug/l	99
83) tert-Butylbenzene	11.77	119	445444	53.152	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	462292	53.759	ug/l	98
85) sec-Butylbenzene	11.94	105	531928	54.169	ug/l	99
86) p-Isopropyltoluene	12.06	119	492448	54.244	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	254575	52.085	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	254293	50.728	ug/l	99
89) n-Butylbenzene	12.38	91	423108	54.476	ug/l	100
90) Hexachloroethane	12.60	117	79045	55.203	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	255440	52.733	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37809	54.131	ug/l	98

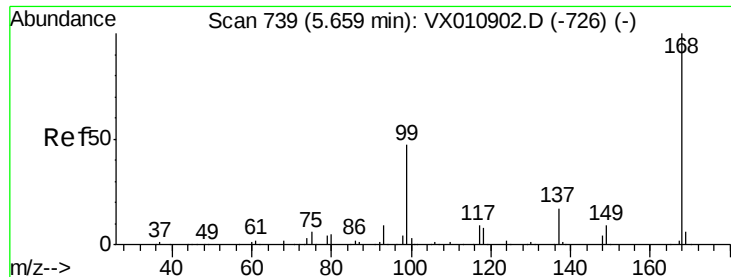
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	177368	54.028	ug/l	99
94) Hexachlorobutadiene	13.78	225	84971	52.231	ug/l	98
95) Naphthalene	13.83	128	539031	55.604	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176445	54.018	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

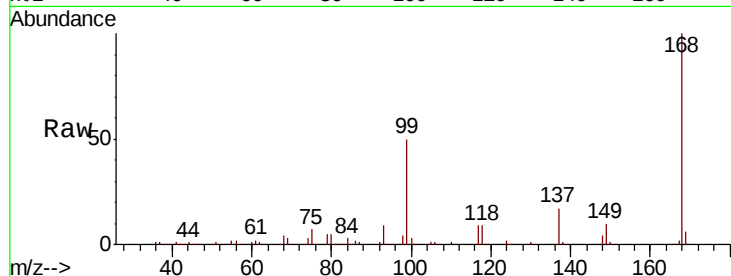
VSTDCCC050EC

Tot Ion:168 Resp: 209150

Ion Ratio Lower Upper

168 100

99 49.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

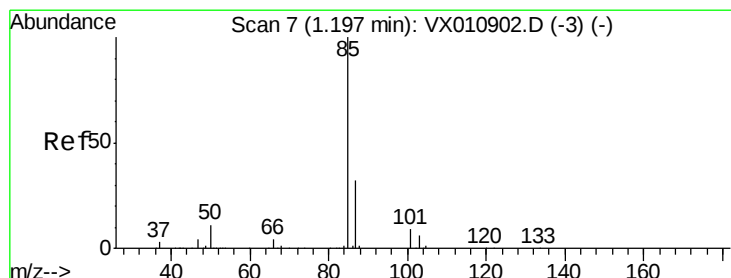
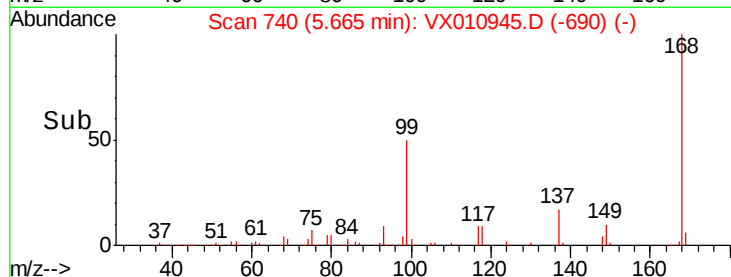
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.223 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010945.D

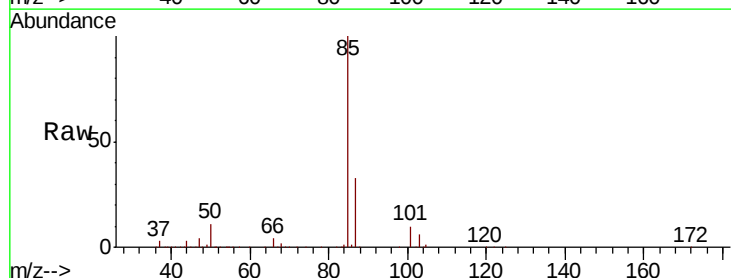
Acq: 17 Jul 2019 18:49

Tgt Ion: 85 Resp: 116522

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

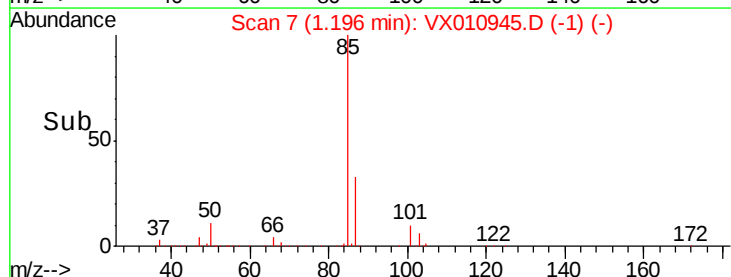
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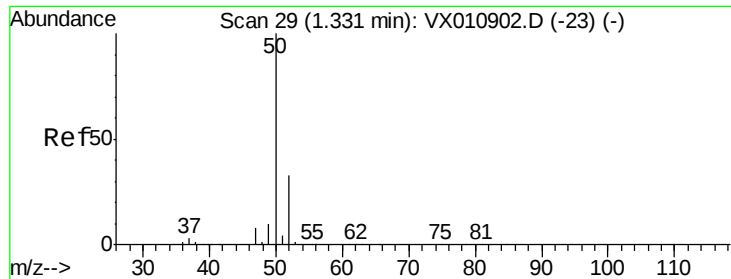
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 53.846 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

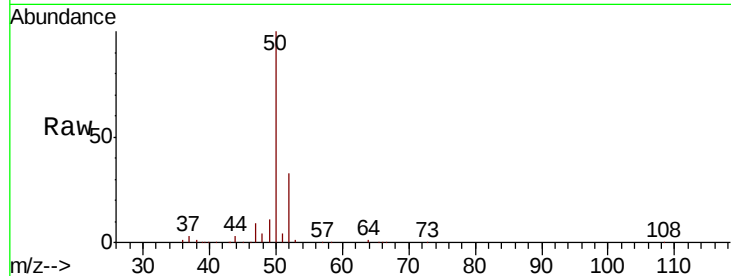
VSTDCCC050EC

Tot Ion: 50 Resp: 103563

Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

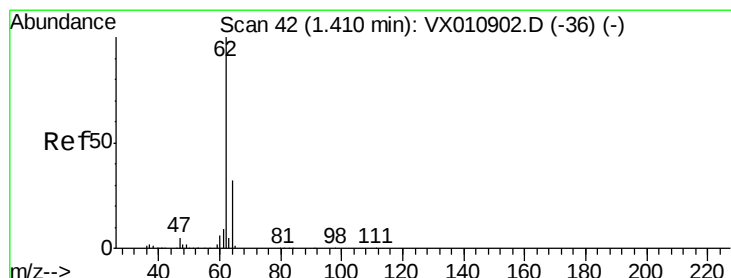
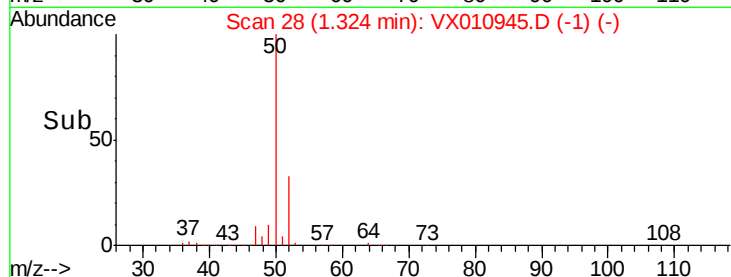
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 55.239 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010945.D

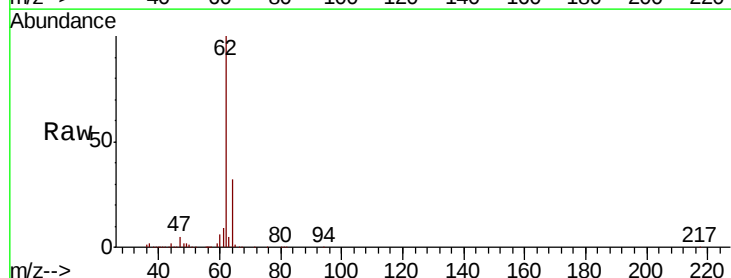
Acq: 17 Jul 2019 18:49

Tgt Ion: 62 Resp: 108368

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

120000

100000

80000

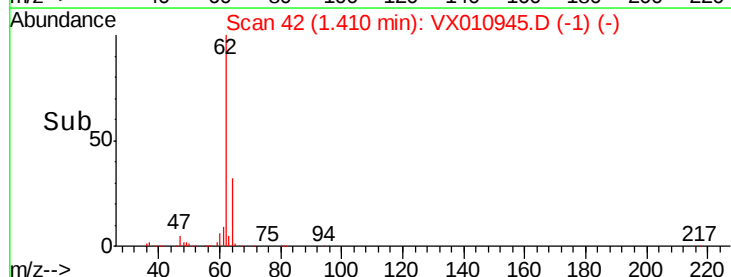
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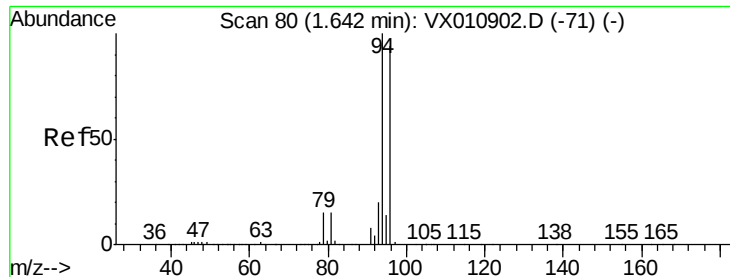
40000

20000

0

Time-->





#5

Bromomethane

Concen: 53.645 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

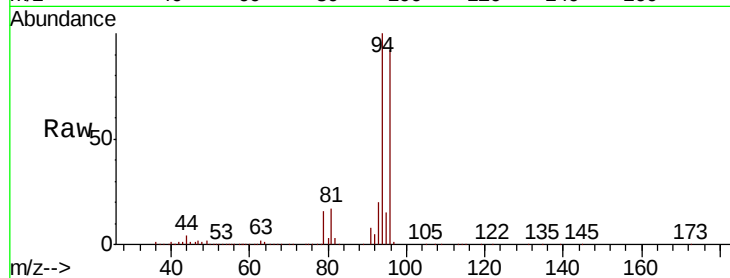
VSTDCCC050EC

Tot Ion: 94 Resp: 59305

Ion Ratio Lower Upper

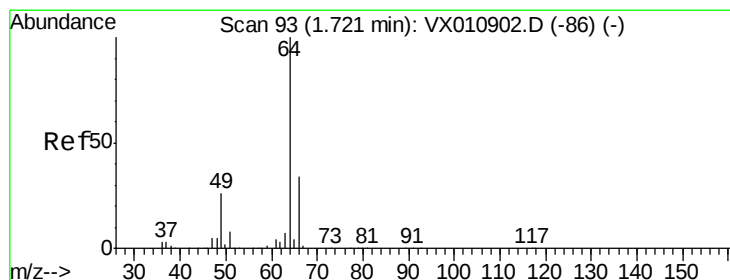
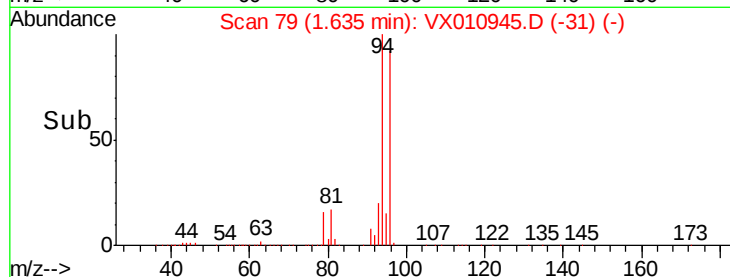
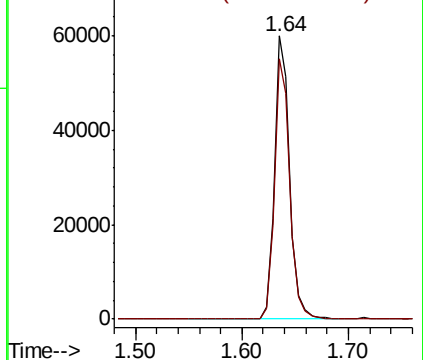
94 100

96 91.9 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.657 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX010945.D

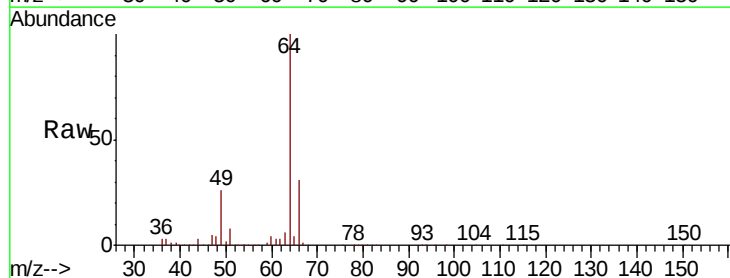
Acq: 17 Jul 2019 18:49

Tgt Ion: 64 Resp: 65648

Ion Ratio Lower Upper

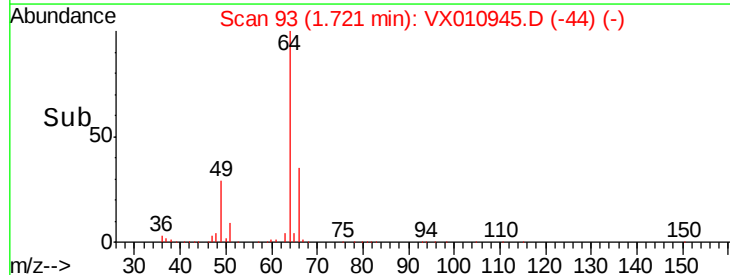
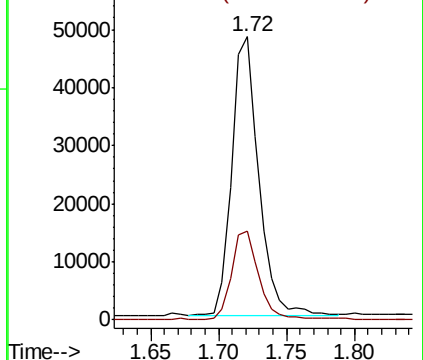
64 100

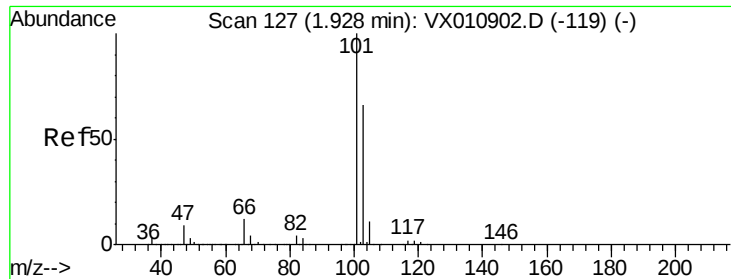
66 31.4 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



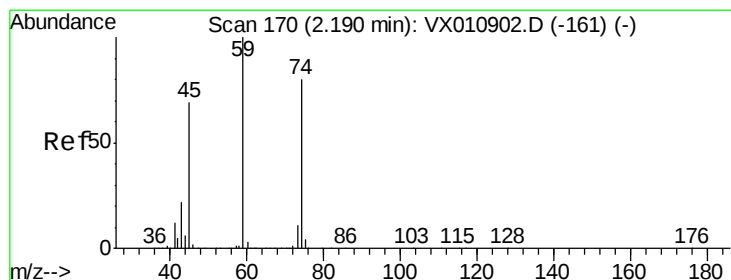
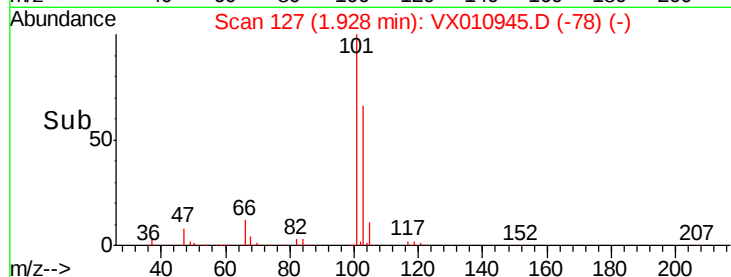
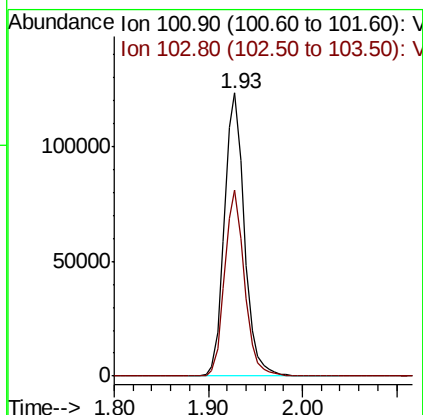
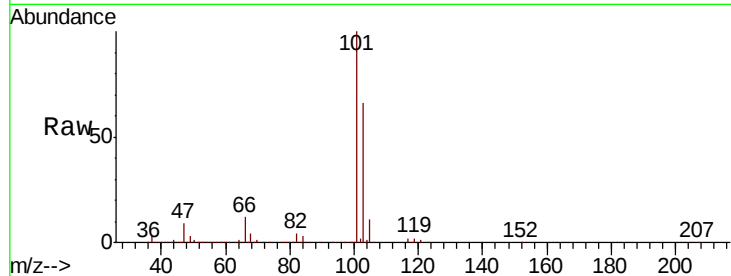


#7

Trichlorofluoromethane
 Concen: 54.825 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

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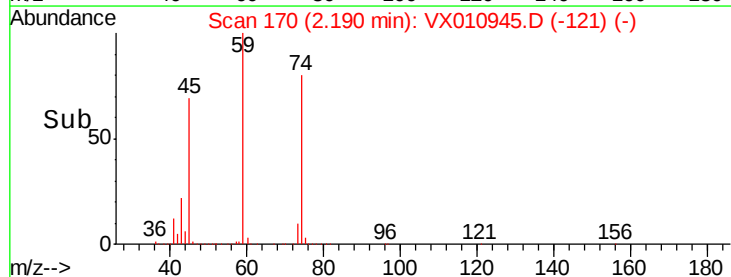
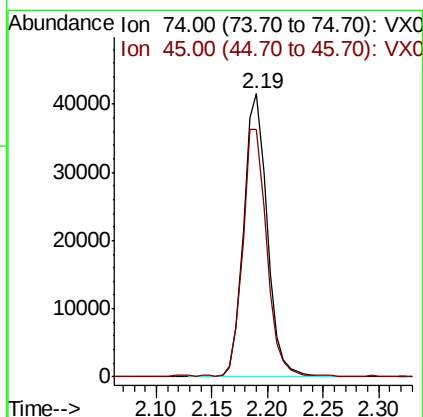
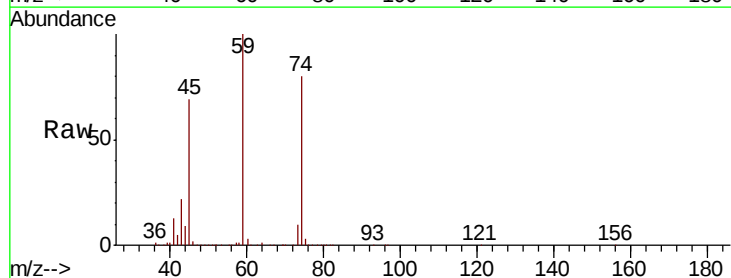
Tot Ion:101 Resp: 182066
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.6 78.8

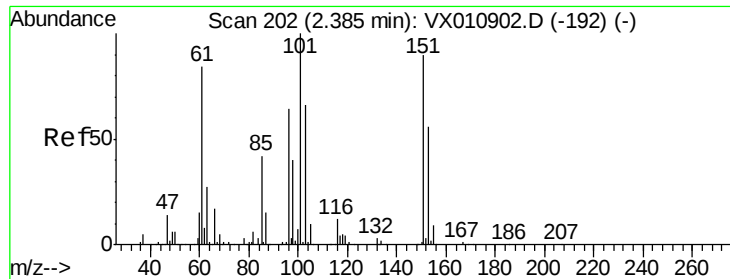


#8

Diethyl Ether
 Concen: 53.430 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion: 74 Resp: 61133
 Ion Ratio Lower Upper
 74 100
 45 87.4 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.680 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

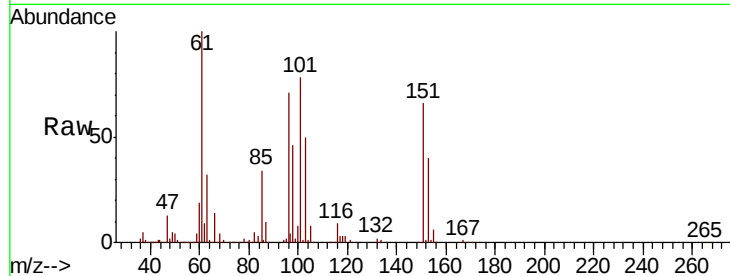
Tot Ion:101 Resp: 99887

Ion Ratio Lower Upper

101 100

85 42.8 34.6 52.0

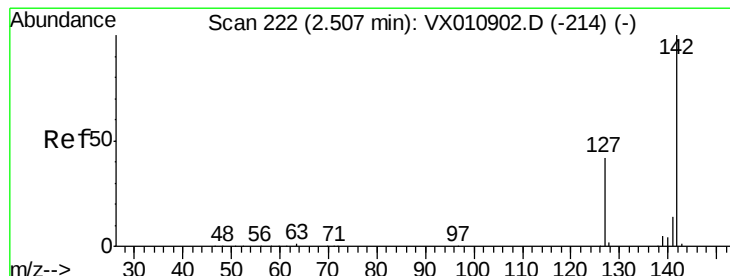
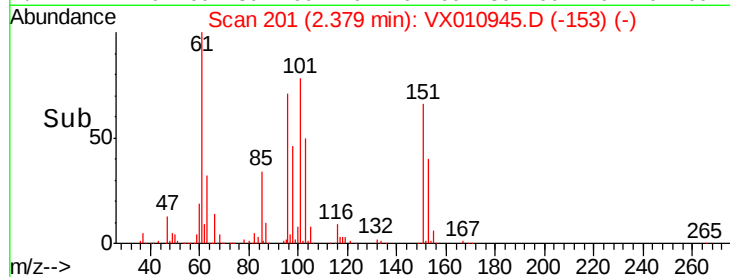
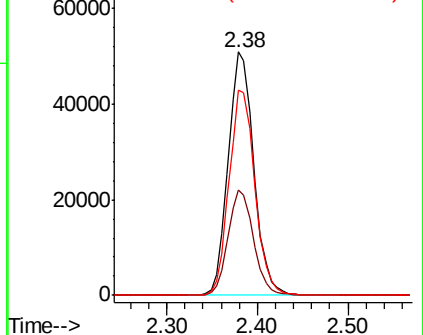
151 84.9 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.347 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

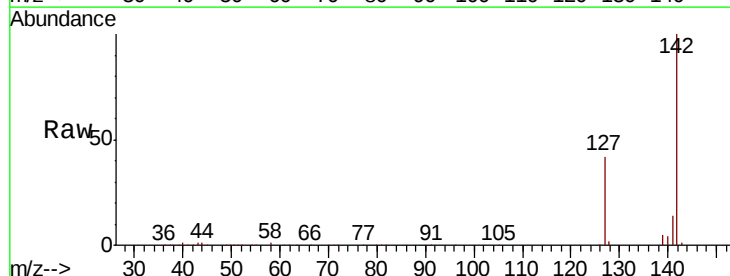
Tgt Ion:142 Resp: 122786

Ion Ratio Lower Upper

142 100

127 42.4 34.2 51.4

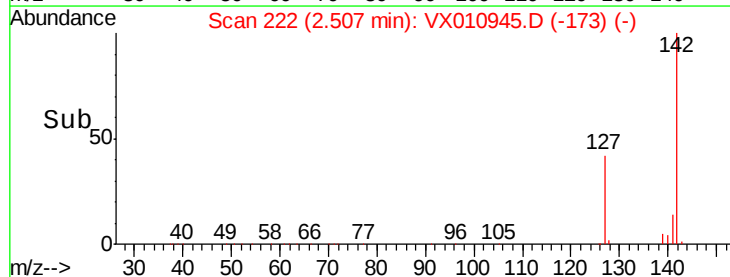
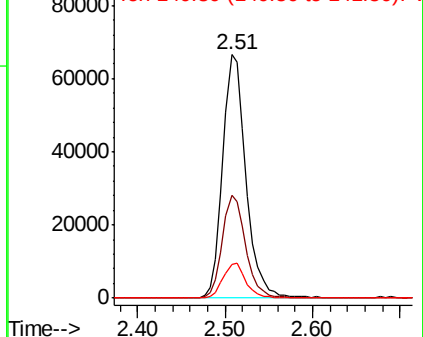
141 14.1 11.7 17.5



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

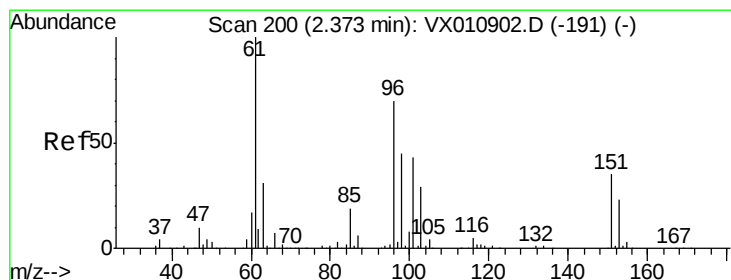
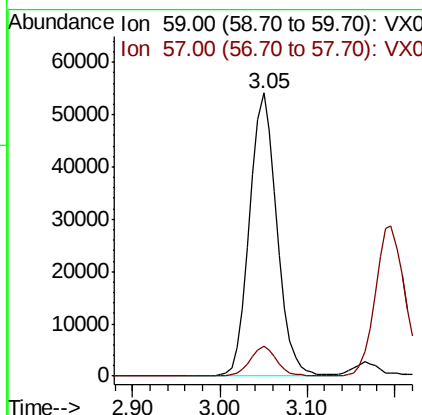
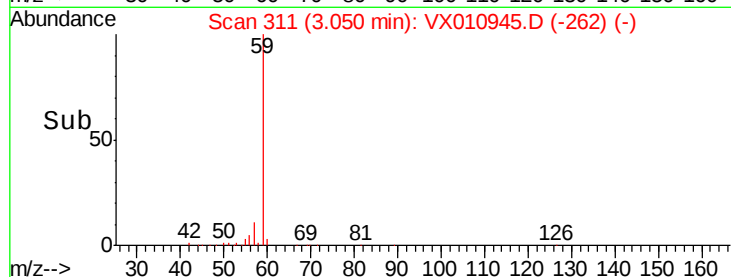
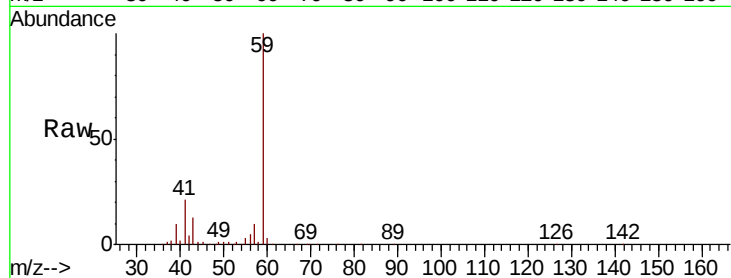




#11
Tert butyl alcohol
Concen: 227.306 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

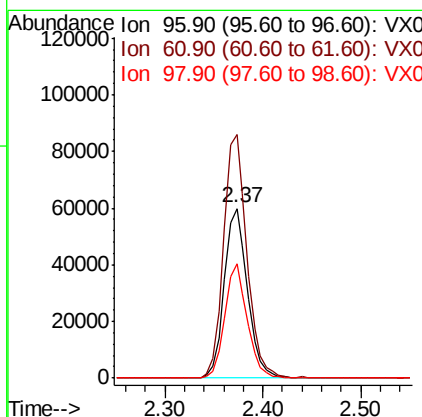
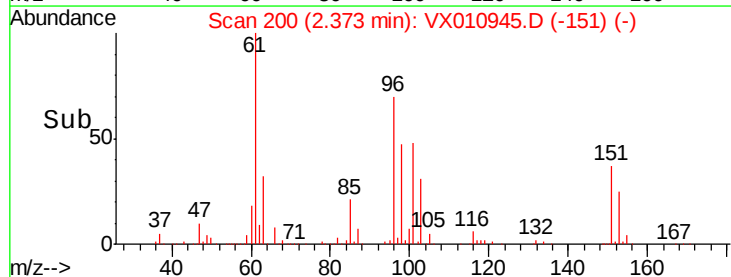
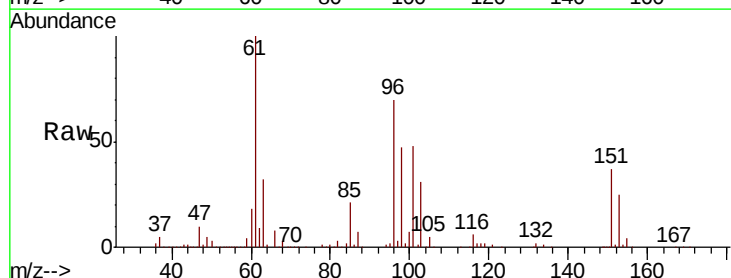
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

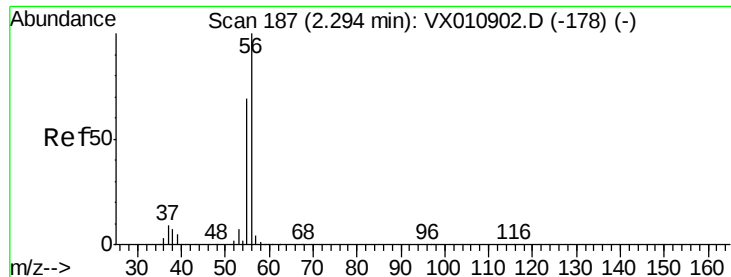
Tot Ion: 59 Resp: 117788
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9



#12
1,1-Dichloroethene
Concen: 52.755 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 96 Resp: 98280
Ion Ratio Lower Upper
96 100
61 143.5 115.0 172.4
98 67.3 52.2 78.2





#13

Acrolein

Concen: 218.159 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

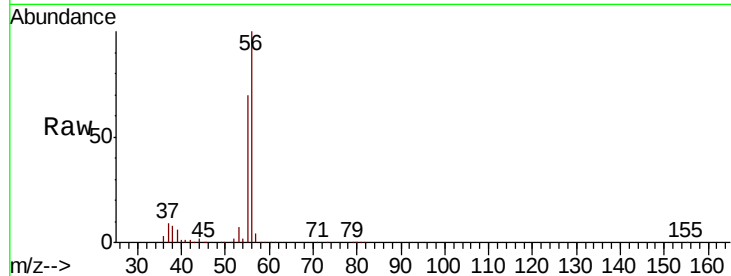
VSTDCCC050EC

Tot Ion: 56 Resp: 65315

Ion Ratio Lower Upper

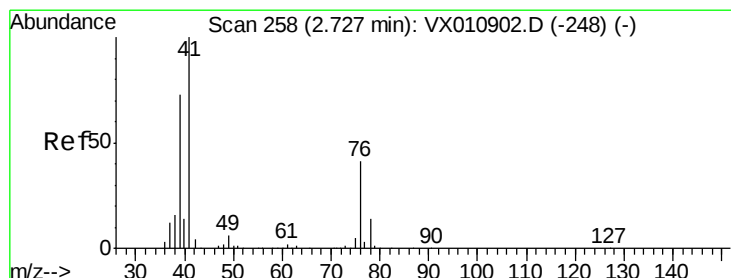
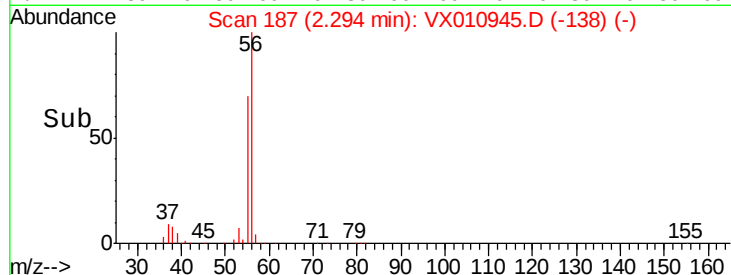
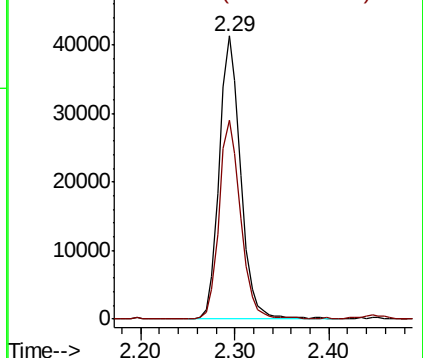
56 100

55 69.8 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.374 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

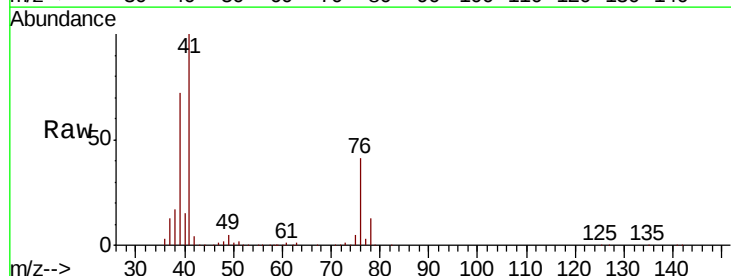
Tgt Ion: 41 Resp: 144432

Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

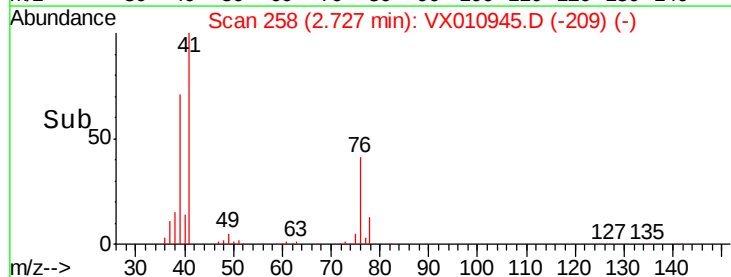
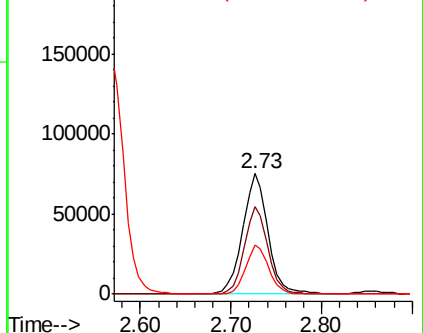
76 36.9 29.7 44.5

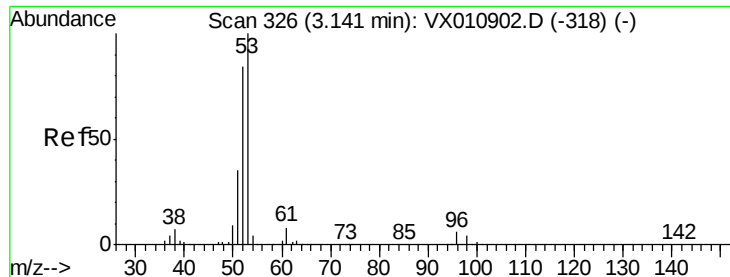


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 264.825 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

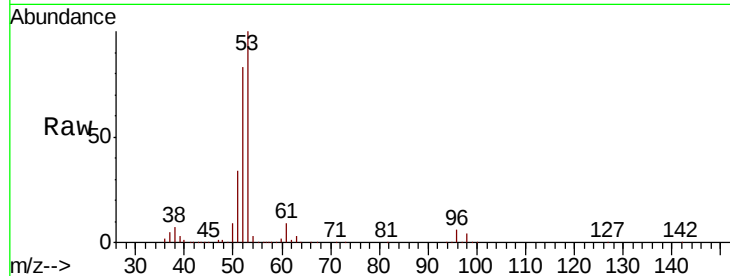
Tot Ion: 53 Resp: 277299

Ion Ratio Lower Upper

53 100

52 82.0 66.5 99.7

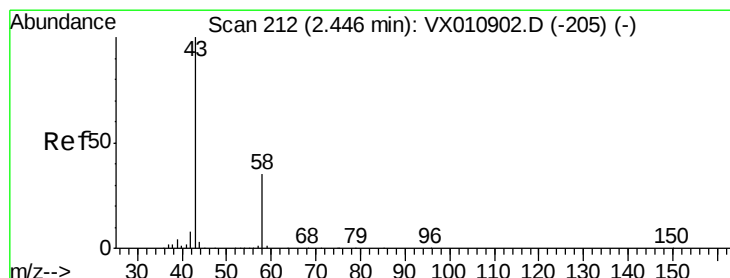
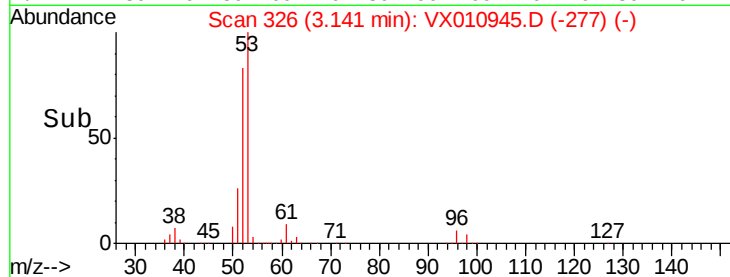
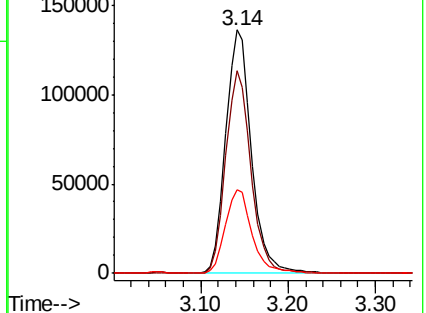
51 35.7 28.2 42.4



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: 231.638 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010945.D

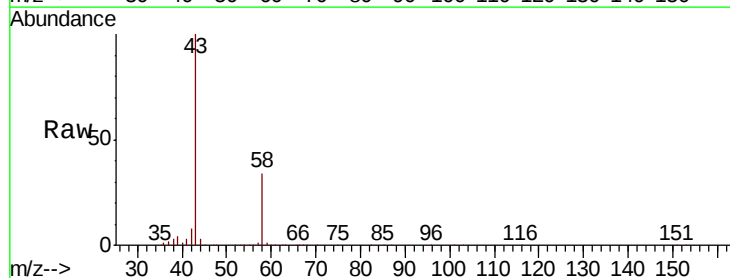
Acq: 17 Jul 2019 18:49

Tgt Ion: 43 Resp: 232781

Ion Ratio Lower Upper

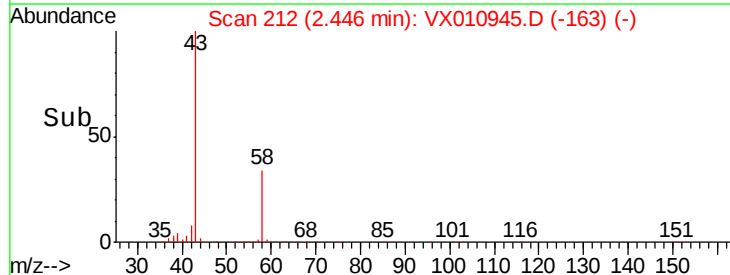
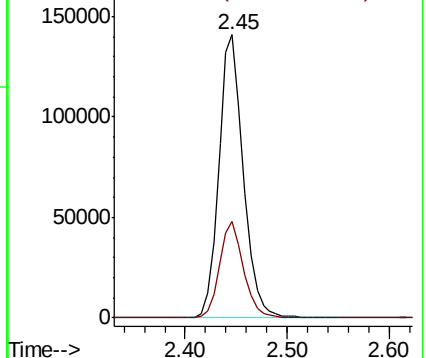
43 100

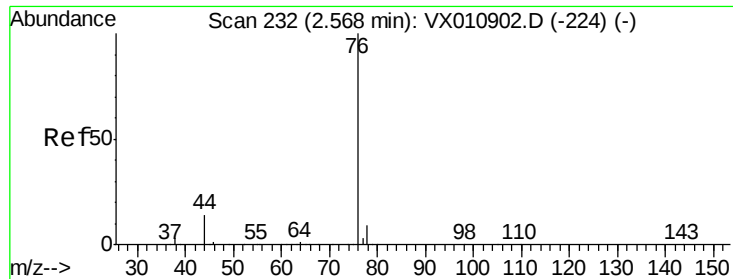
58 34.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

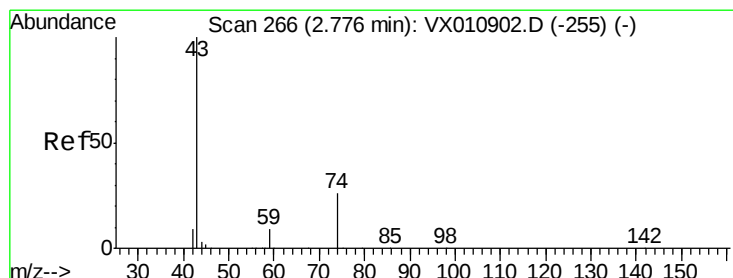
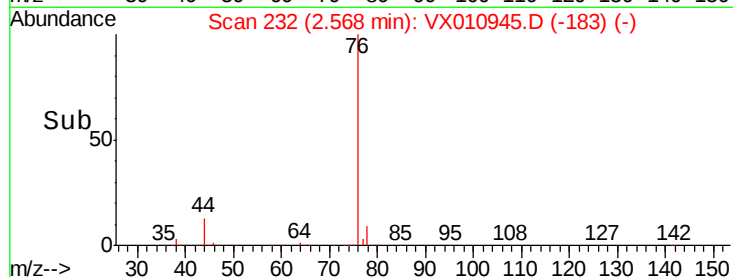
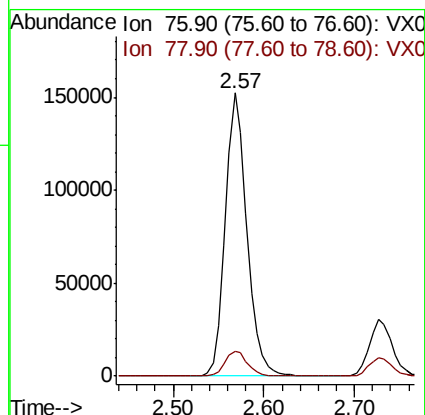
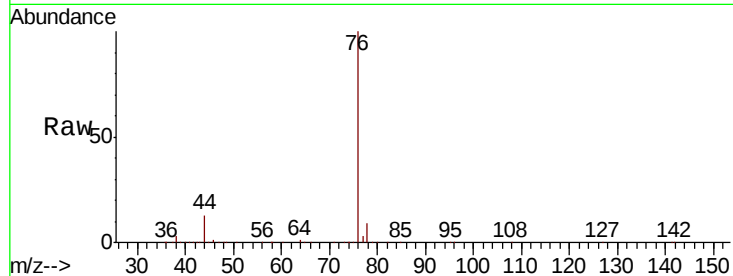




#17
Carbon Disulfide
Concen: 52.808 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

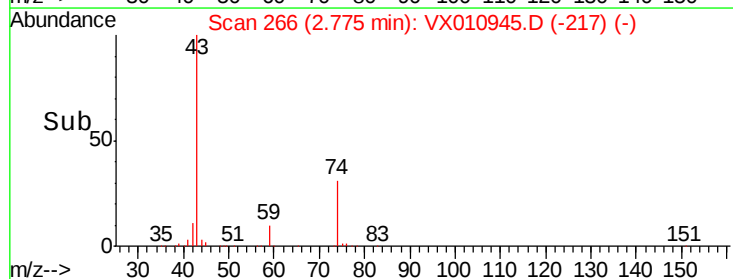
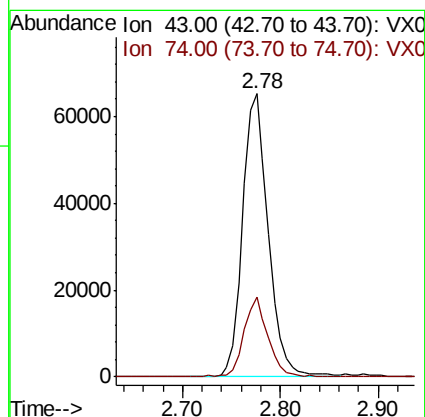
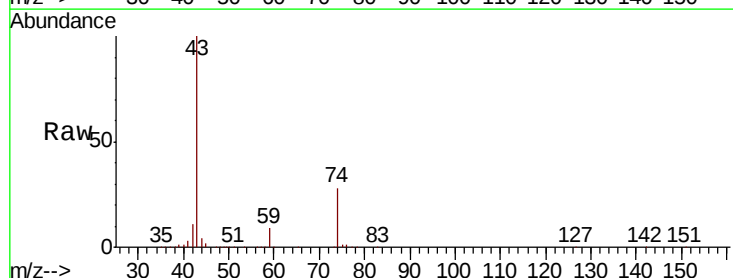
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

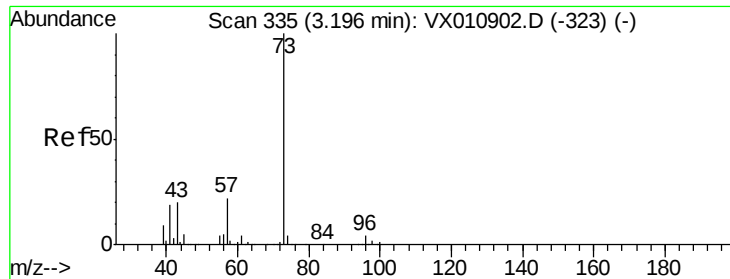
Tot Ion: 76 Resp: 252353
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 51.401 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 43 Resp: 117618
Ion Ratio Lower Upper
43 100
74 27.0 21.5 32.3

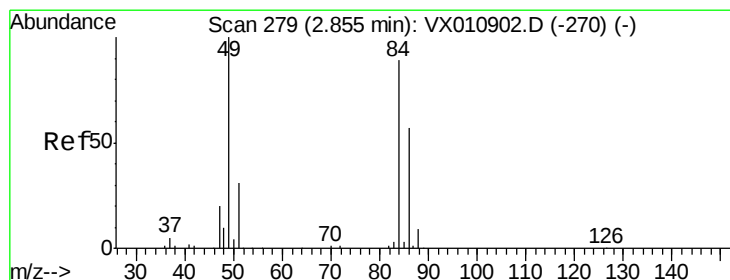
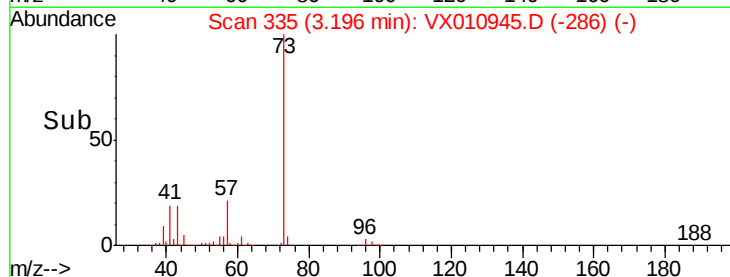
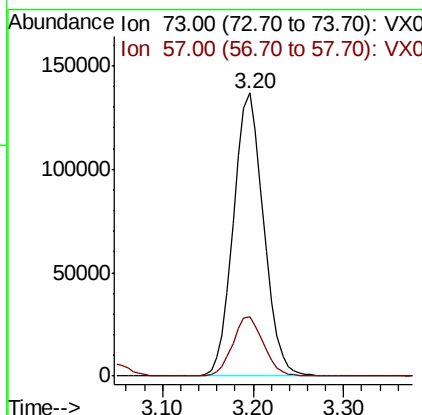
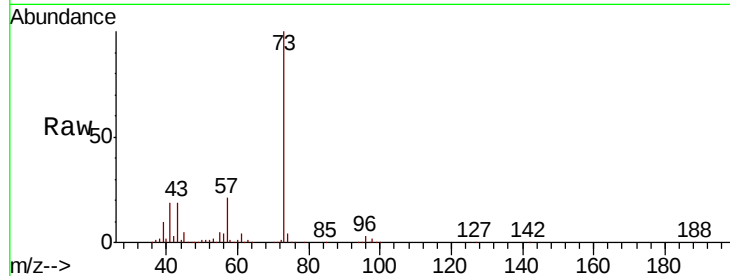




#19
Methyl tert-butyl Ether
Concen: 52.898 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

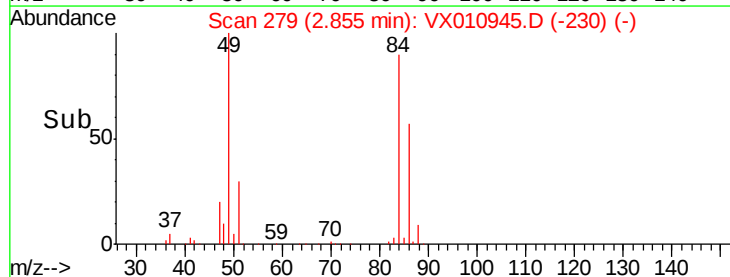
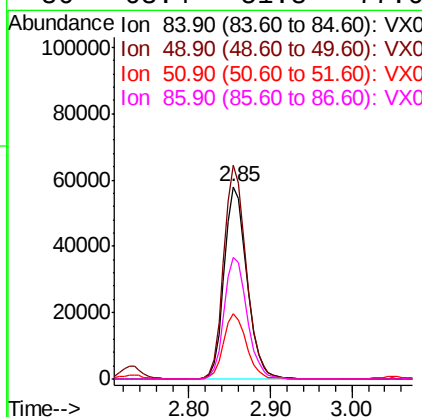
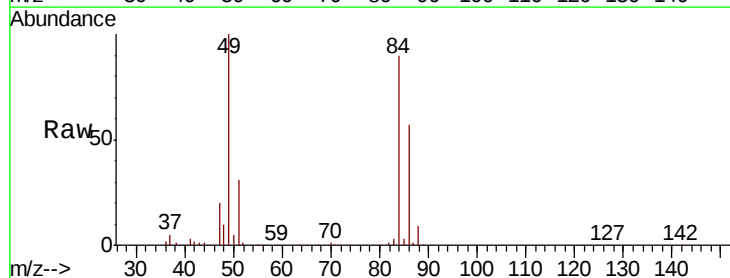
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

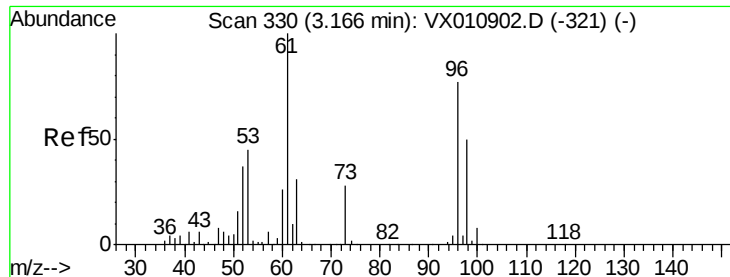
Tot Ion: 73 Resp: 317242
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9



#20
Methylene Chloride
Concen: 52.518 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 84 Resp: 111847
Ion Ratio Lower Upper
84 100
49 110.8 89.9 134.9
51 33.9 27.8 41.6
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.878 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

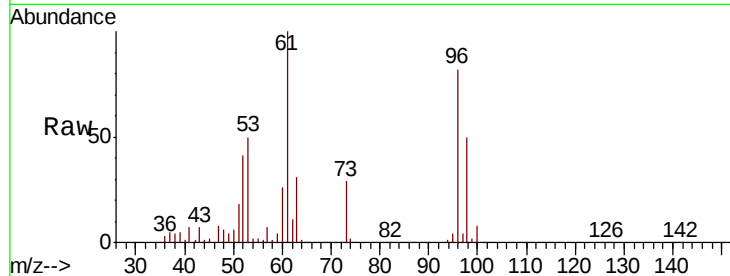
Tot Ion: 96 Resp: 104523

Ion Ratio Lower Upper

96 100

61 122.6 104.2 156.2

98 61.5 52.2 78.4

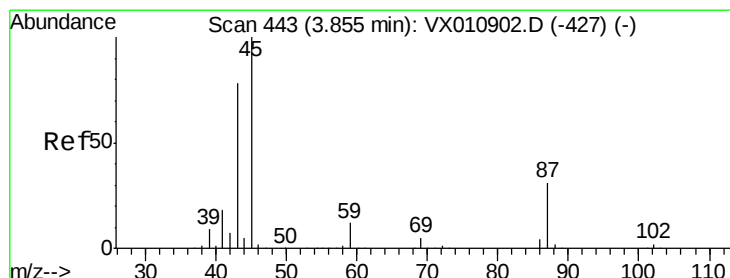
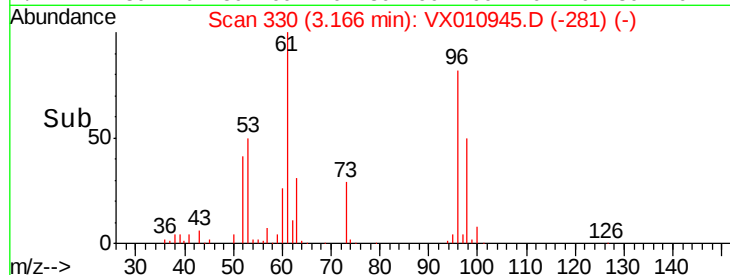
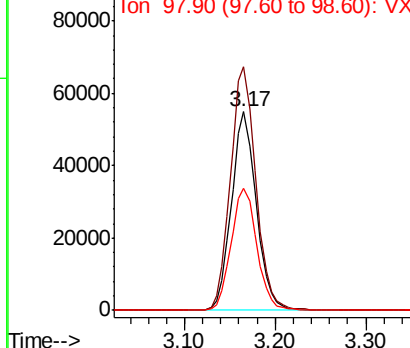


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.492 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Tgt Ion: 45 Resp: 305290

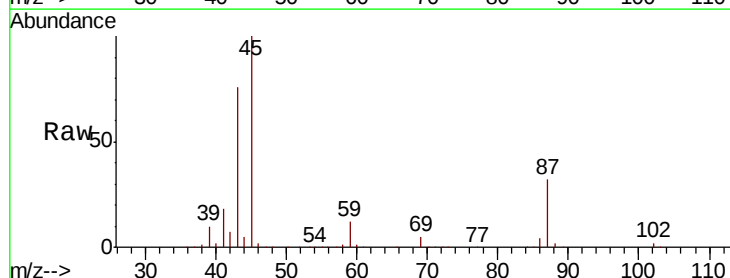
Ion Ratio Lower Upper

45 100

43 76.0 62.3 93.5

87 31.5 25.0 37.4

59 12.1 9.9 14.9



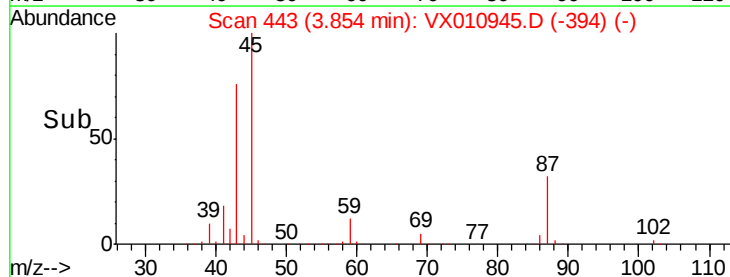
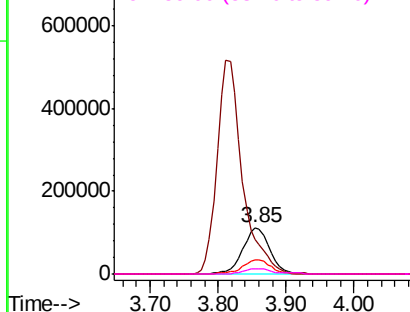
Abundance

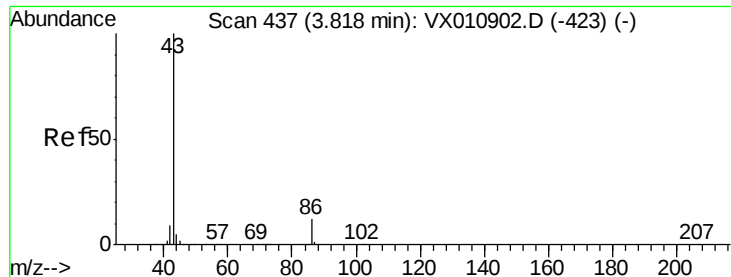
Ion 45.00 (44.70 to 45.70): VX0

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: 276.903 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

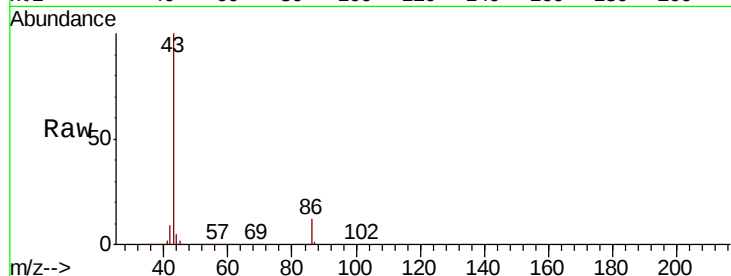
VSTDCCC050EC

Tot Ion: 43 Resp: 1338999

Ion Ratio Lower Upper

43 100

86 11.6 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

500000

400000

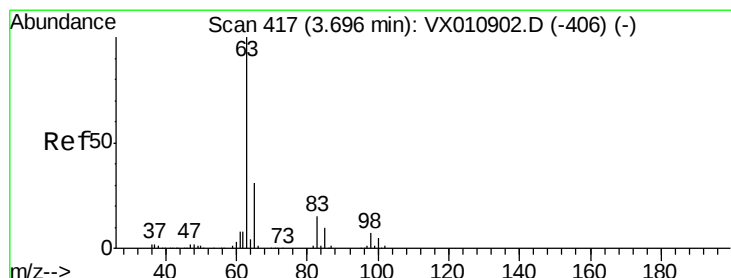
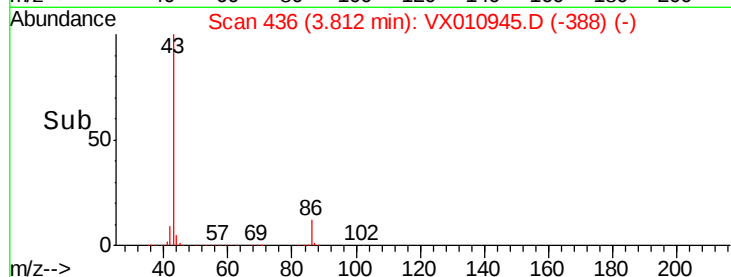
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.955 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

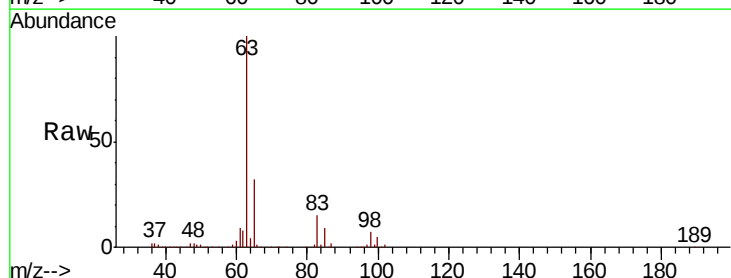
Tgt Ion: 63 Resp: 175516

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 5.0 2.4 7.2



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

3.70

100000

80000

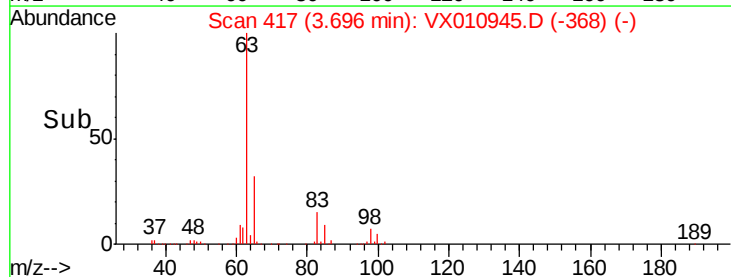
60000

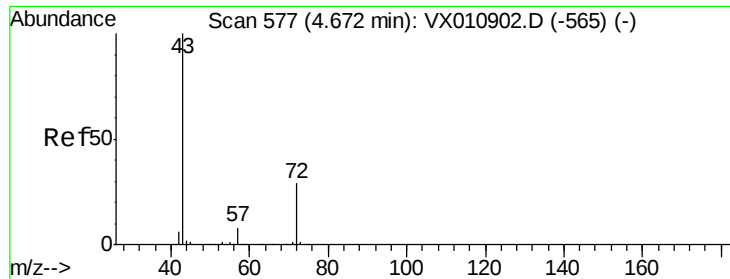
40000

20000

0

Time-->





#25

2-Butanone

Concen: 265.057 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

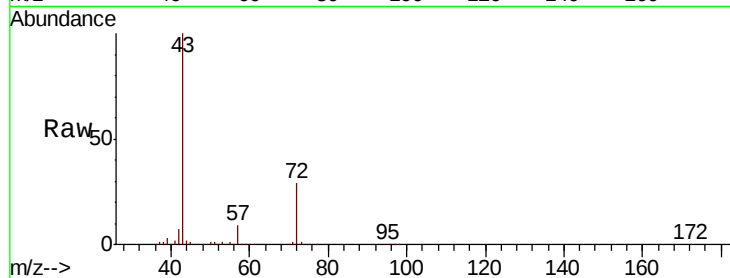
VSTDCCC050EC

Tot Ion: 43 Resp: 382364

Ion Ratio Lower Upper

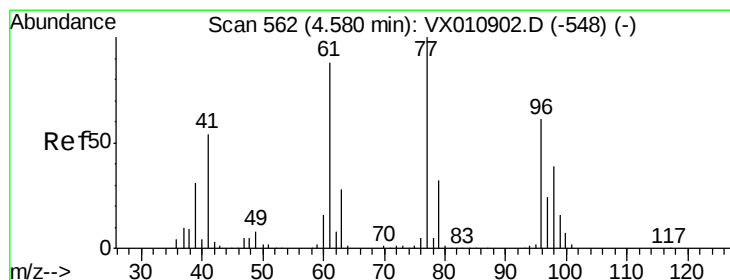
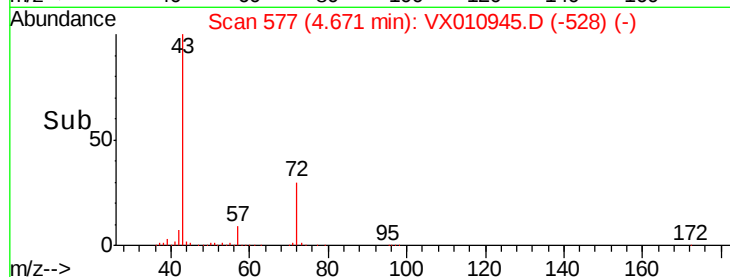
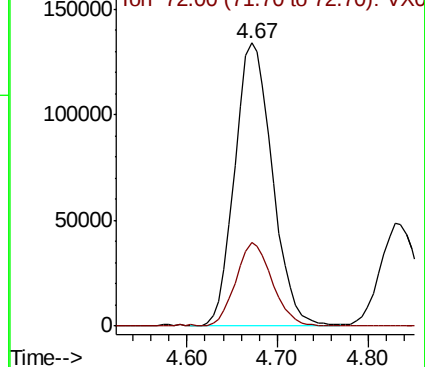
43 100

72 29.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.367 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010945.D

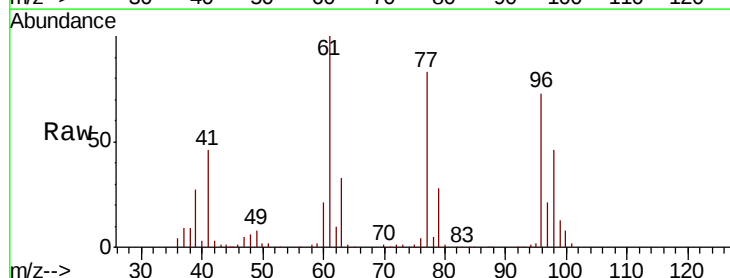
Acq: 17 Jul 2019 18:49

Tgt Ion: 77 Resp: 134349

Ion Ratio Lower Upper

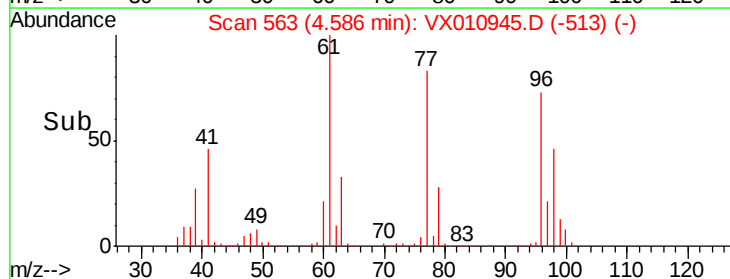
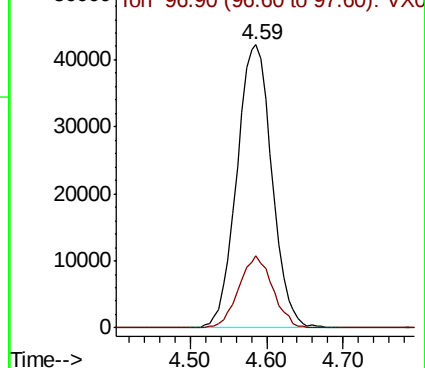
77 100

97 24.7 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



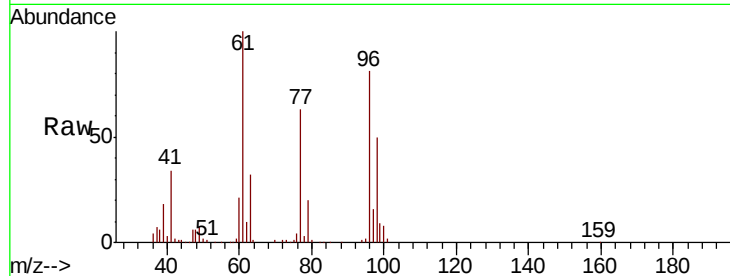


#27

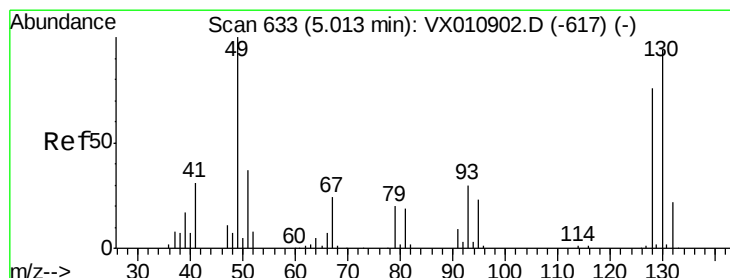
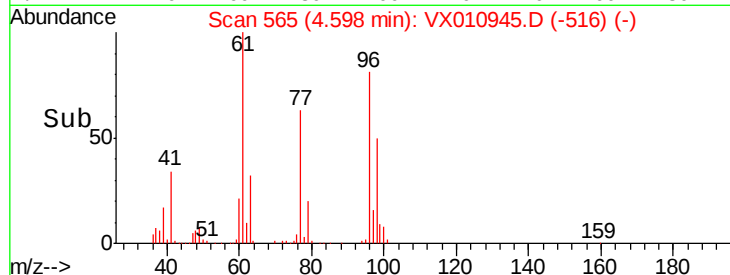
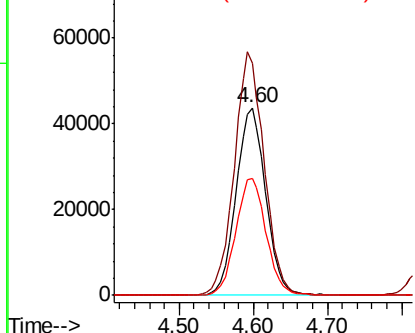
cis-1,2-Dichloroethene
 Concen: 53.348 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 122042
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 269.0
 98 63.9 0.0 131.4



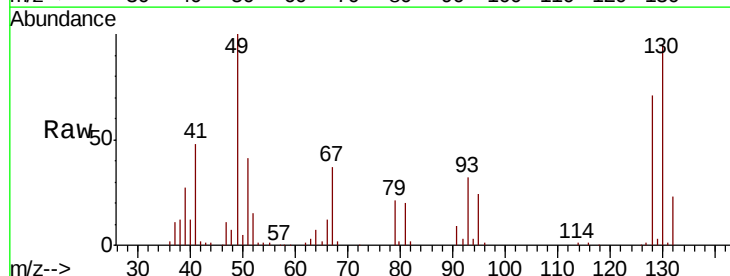
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



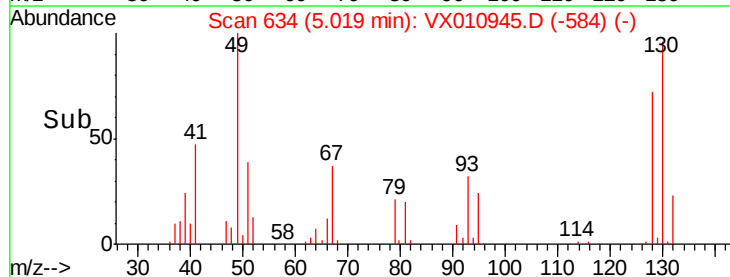
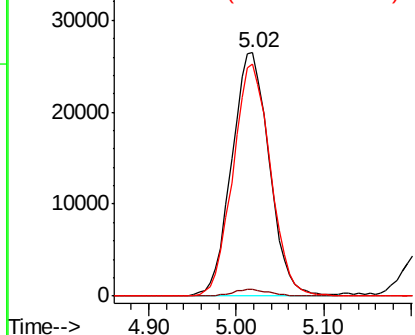
#28

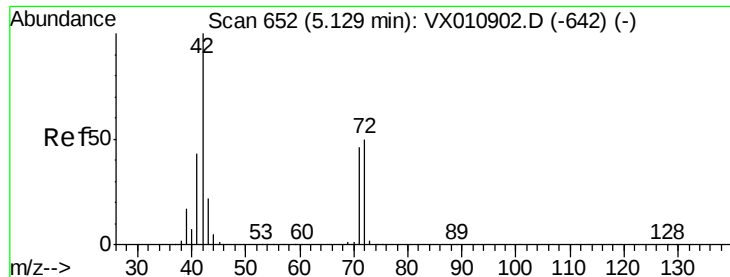
Bromochloromethane
 Concen: 50.327 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion: 49 Resp: 78605
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 5.2
 130 95.7 76.9 115.3



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: 269.252 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

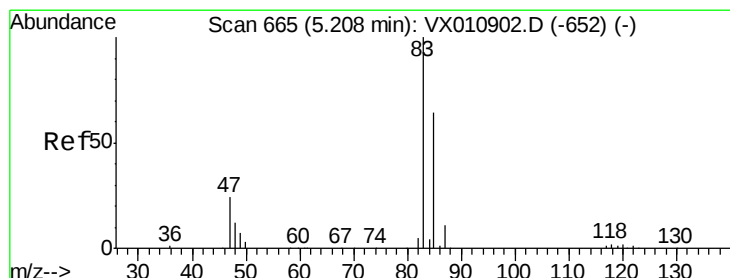
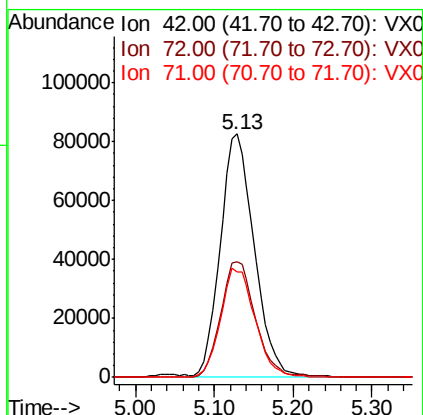
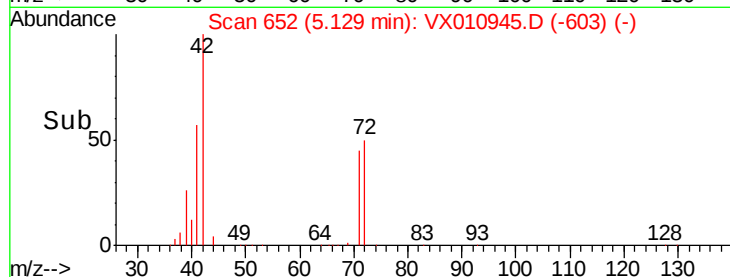
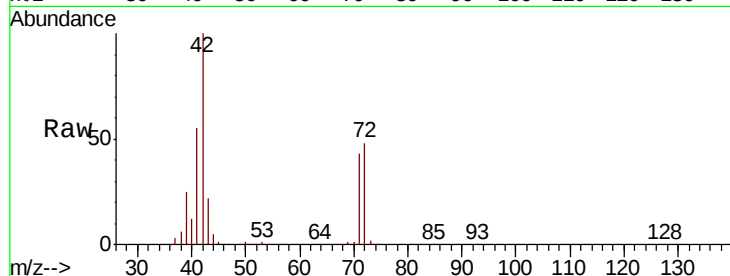
Tot Ion: 42 Resp: 246038

Ion Ratio Lower Upper

42 100

72 49.3 39.8 59.8

71 45.7 37.0 55.4



#30

Chloroform

Concen: 52.369 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010945.D

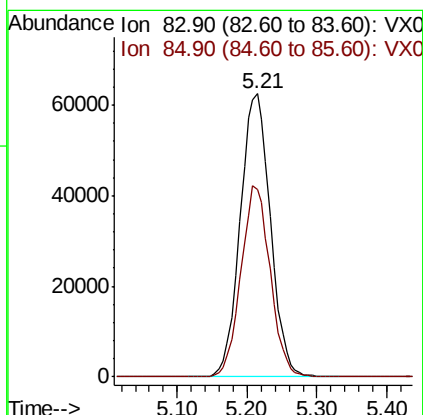
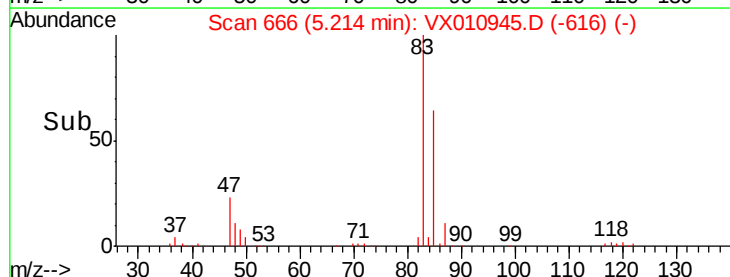
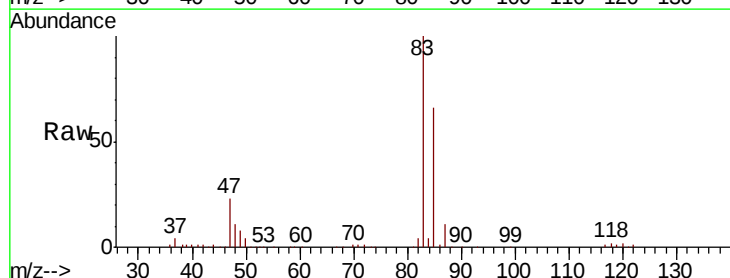
Acq: 17 Jul 2019 18:49

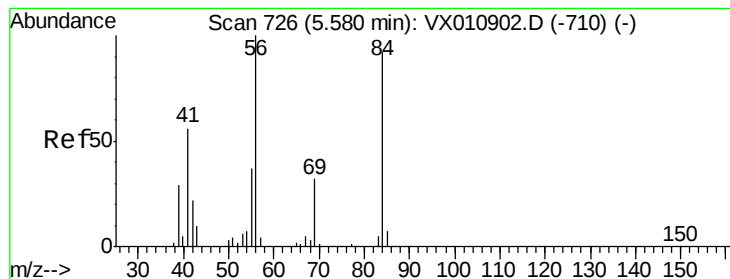
Tgt Ion: 83 Resp: 187614

Ion Ratio Lower Upper

83 100

85 66.3 51.4 77.0





#31

Cyclohexane

Concen: 52.514 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

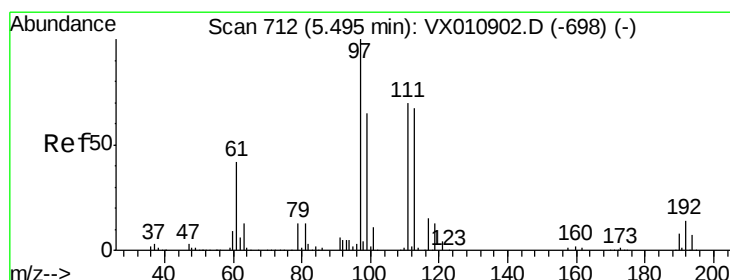
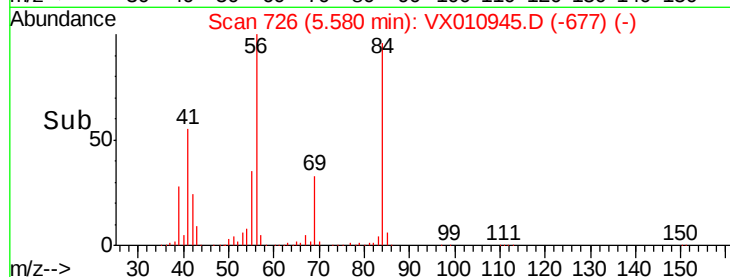
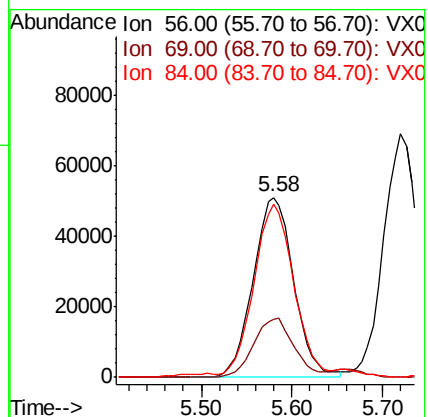
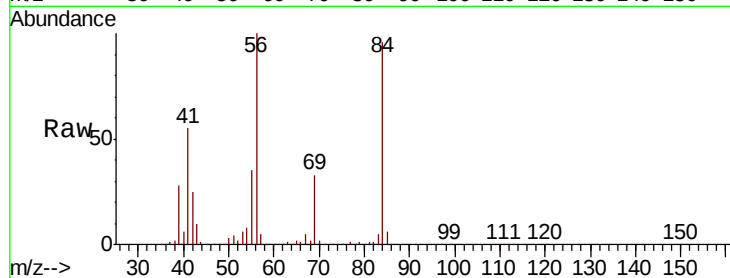
Tot Ion: 56 Resp: 158648

Ion Ratio Lower Upper

56 100

69 32.6 25.8 38.8

84 94.9 73.8 110.6



#32

1,1,1-Trichloroethane

Concen: 53.562 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

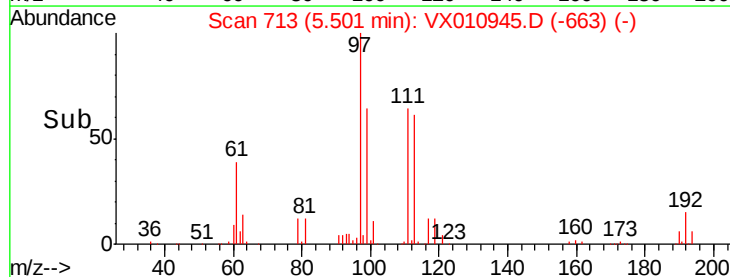
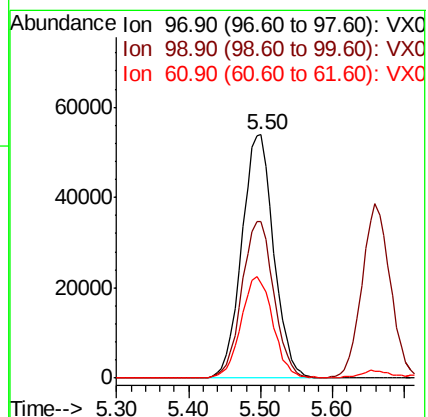
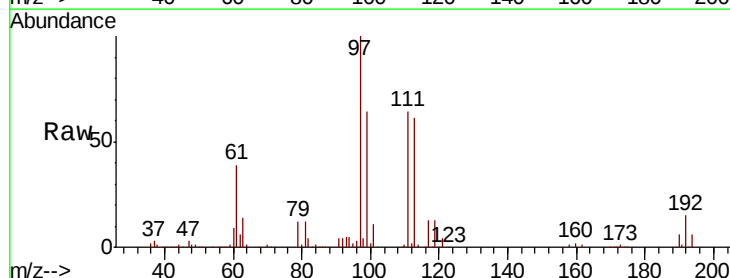
Tgt Ion: 97 Resp: 166013

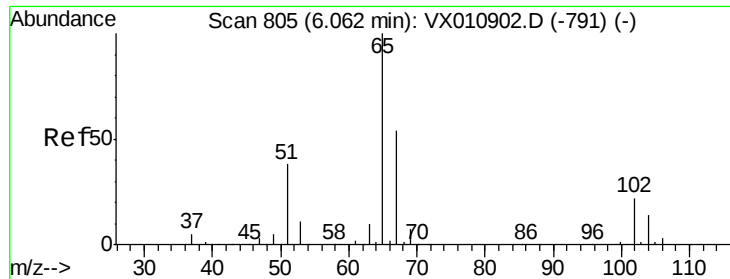
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 41.6 33.0 49.6

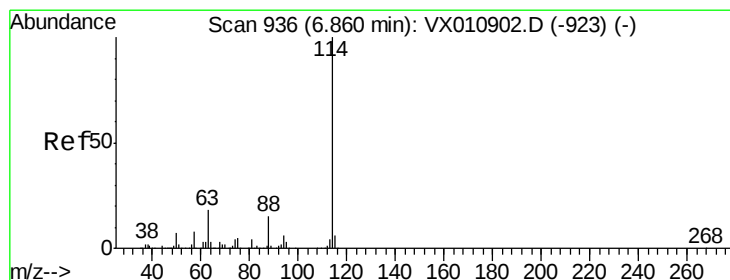
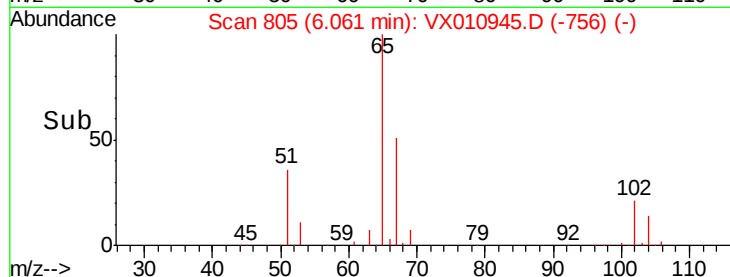
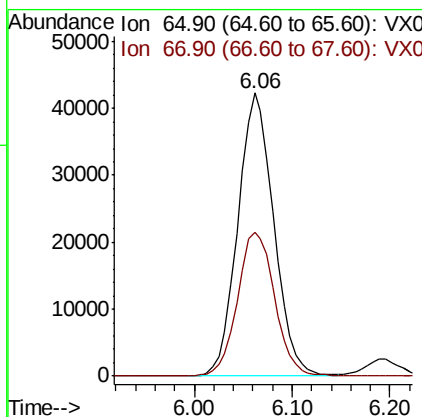
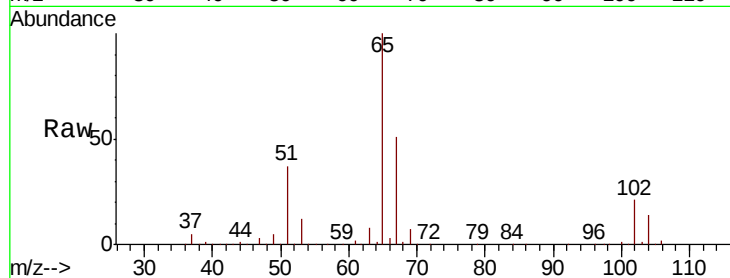




#33
 1,2-Dichloroethane-d4
 Concen: 48.552 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

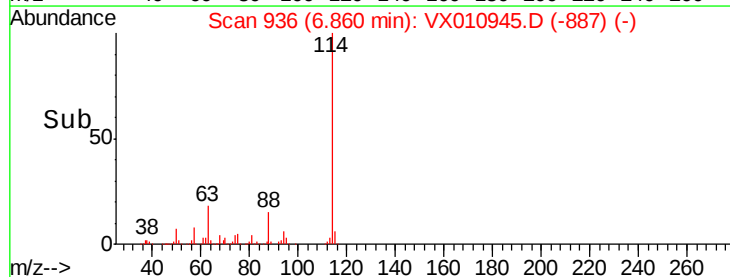
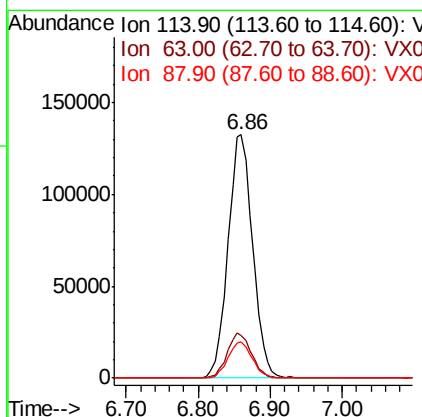
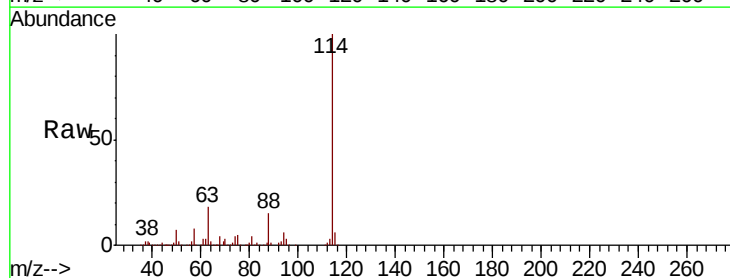
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

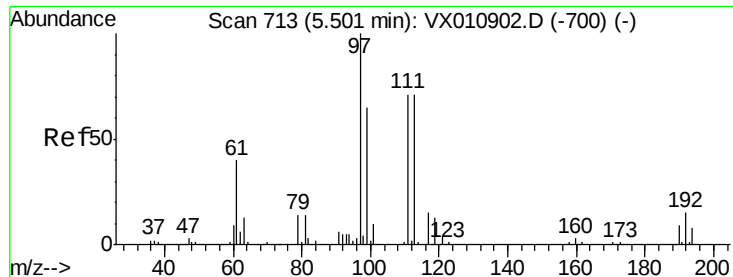
Tot Ion: 65 Resp: 108030
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion: 114 Resp: 314651
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.6
 88 15.1 0.0 29.8

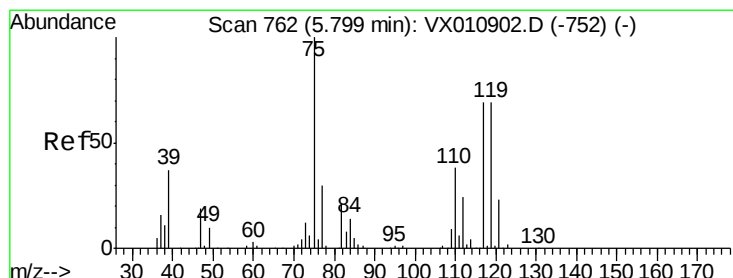
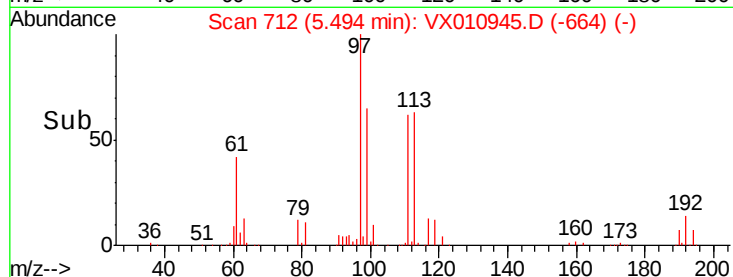
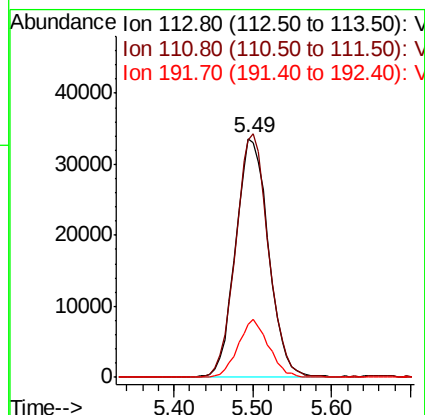
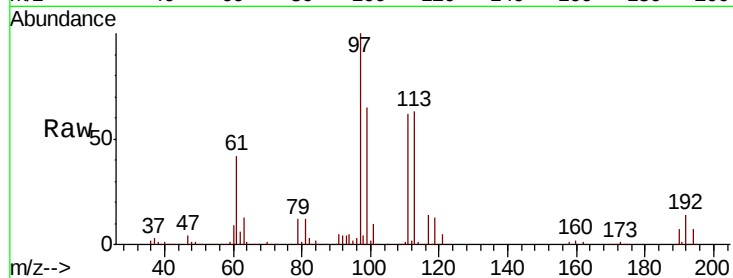




#35
 Dibromofluoromethane
 Concen: 48.853 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

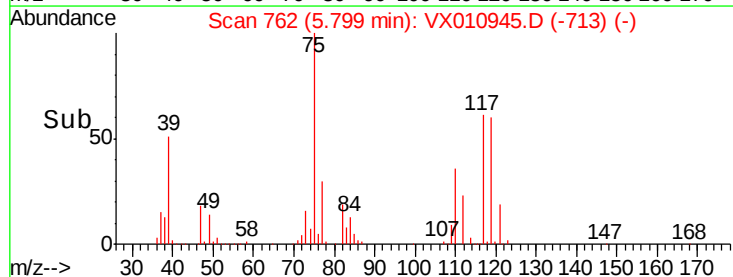
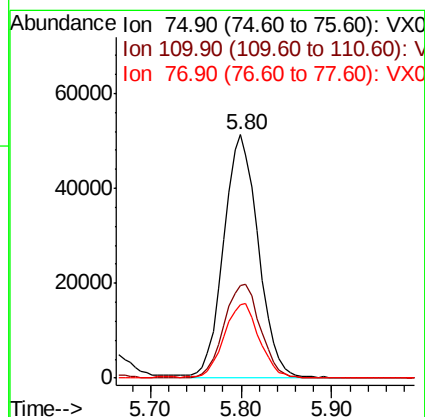
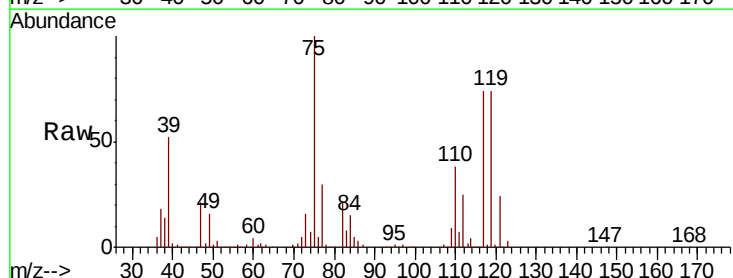
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

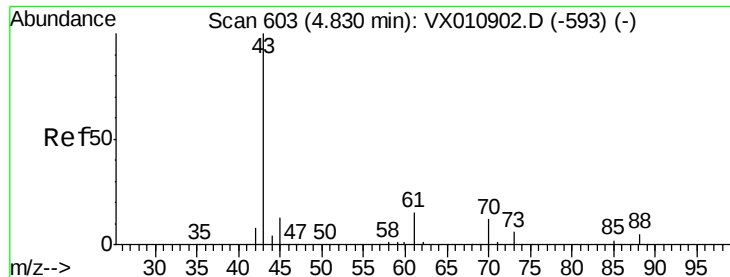
Tot Ion:113 Resp: 97568
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.3 123.5
 192 22.6 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 52.488 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion: 75 Resp: 135659
 Ion Ratio Lower Upper
 75 100
 110 40.7 19.9 59.7
 77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 53.082 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

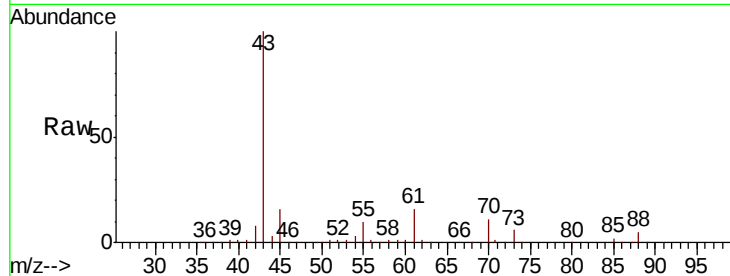
Tot Ion: 43 Resp: 140483

Ion Ratio Lower Upper

43 100

61 15.2 11.6 17.4

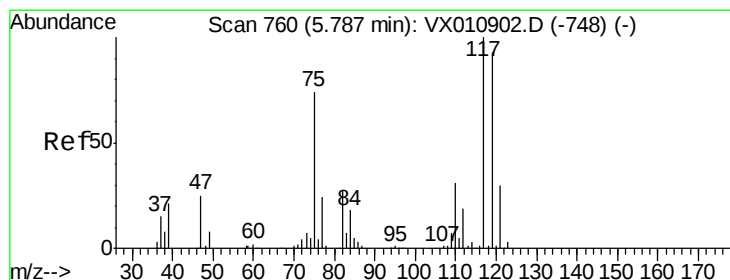
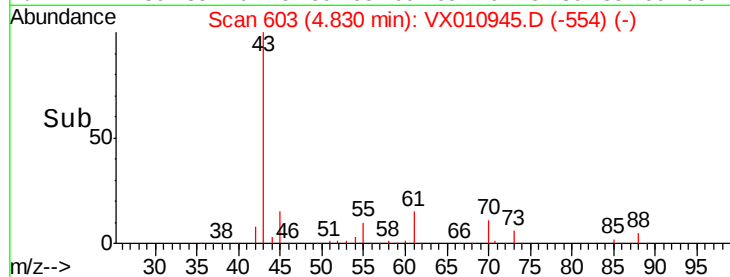
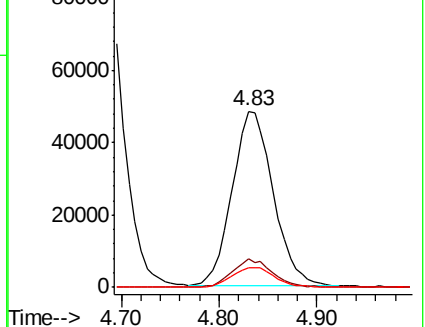
70 12.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 53.977 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

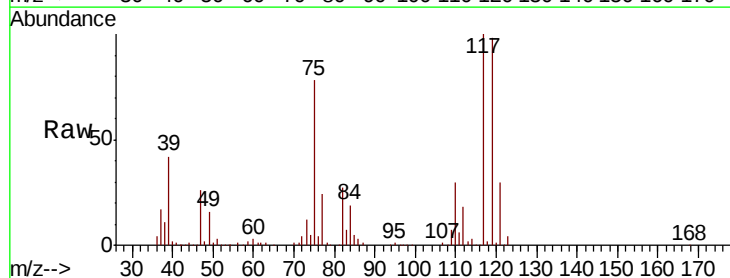
Tgt Ion: 117 Resp: 145372

Ion Ratio Lower Upper

117 100

119 97.4 74.2 111.2

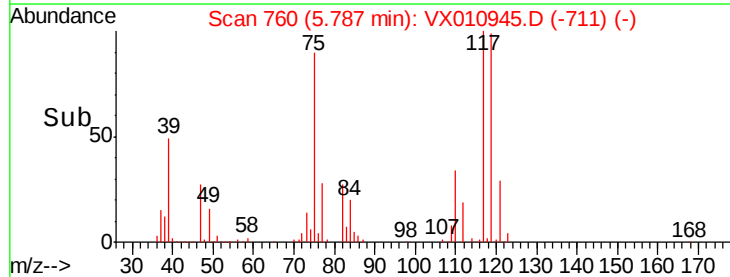
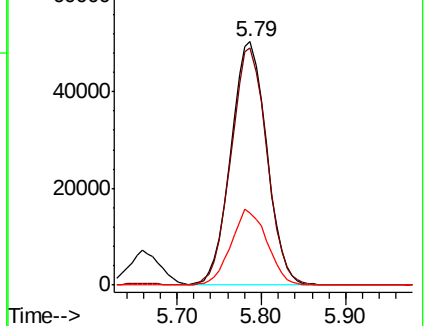
121 29.5 24.2 36.2

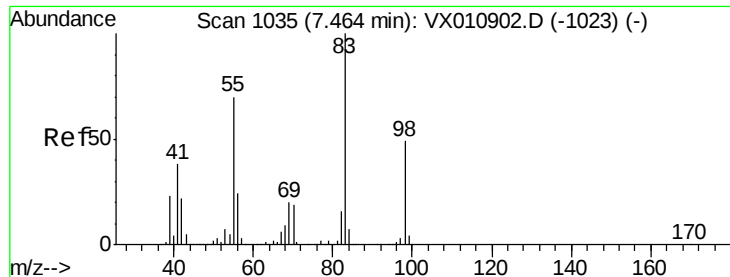


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

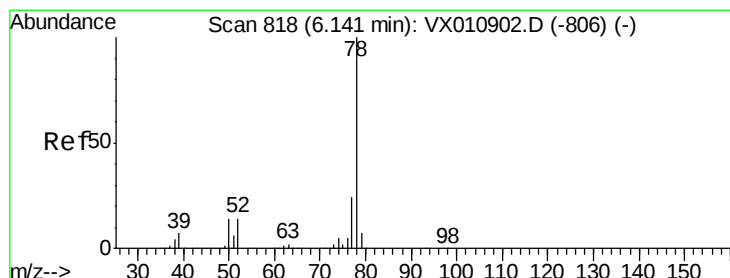
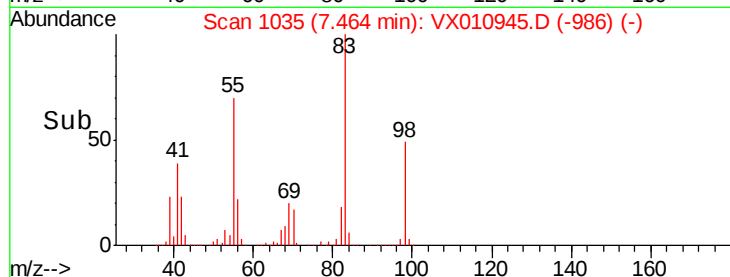
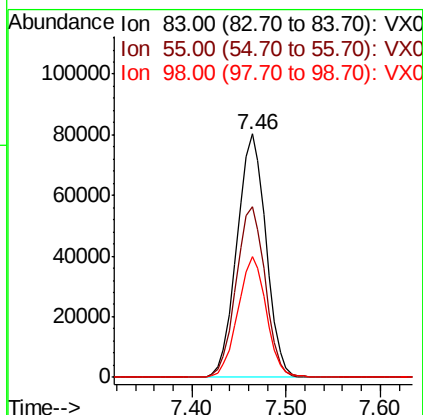
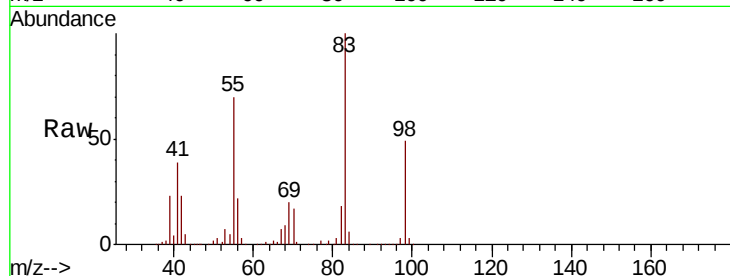




#39
Methvlcvclohexane
Concen: 51.706 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

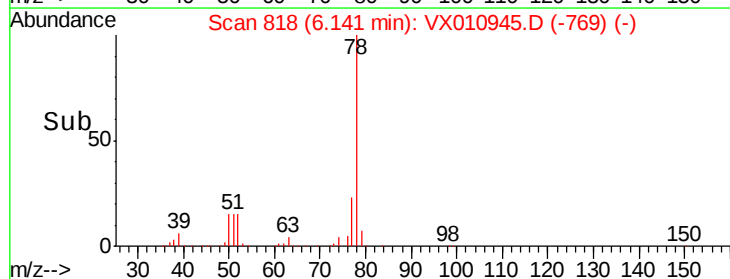
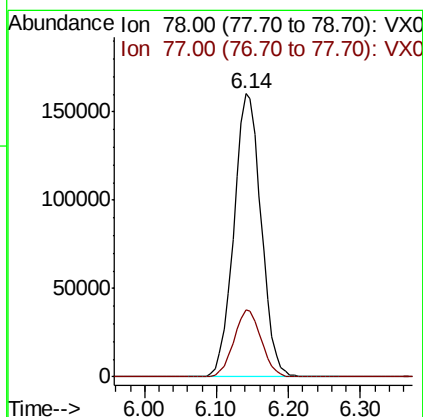
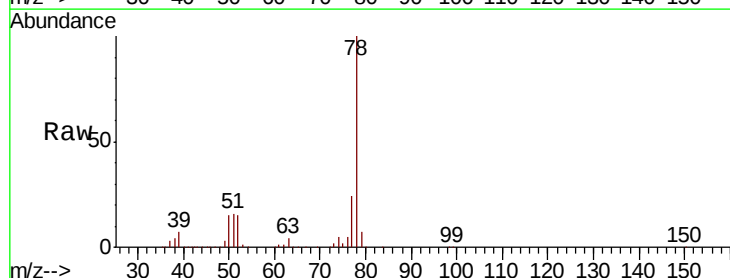
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

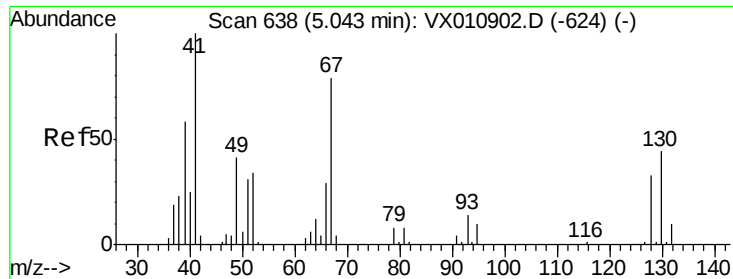
Tot Ion: 83 Resp: 173301
Ion Ratio Lower Upper
83 100
55 70.0 56.2 84.4
98 49.4 39.0 58.4



#40
Benzene
Concen: 53.156 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 78 Resp: 420844
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

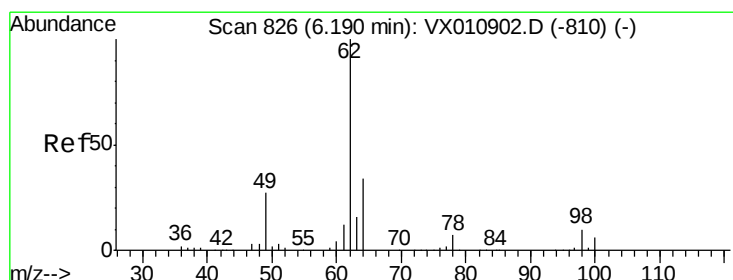
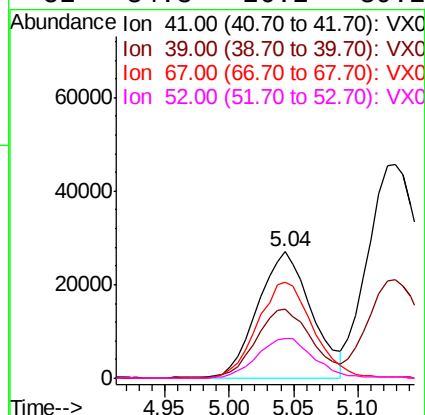
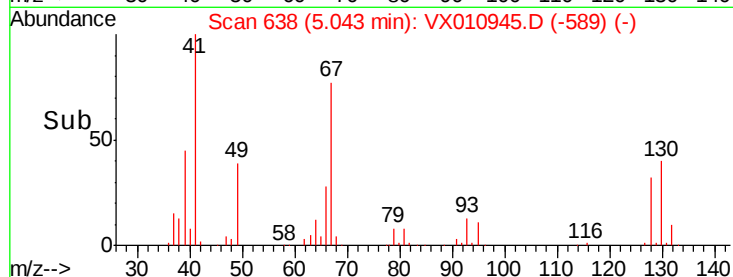
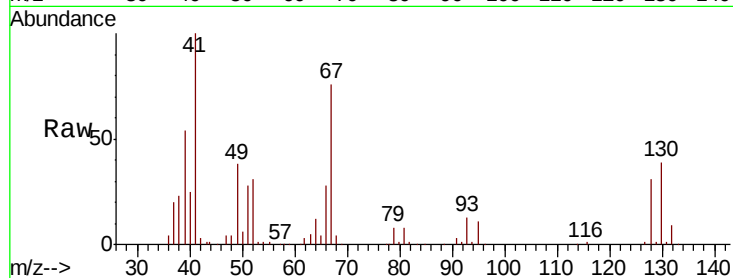




#41
Methacrylonitrile
Concen: 51.934 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

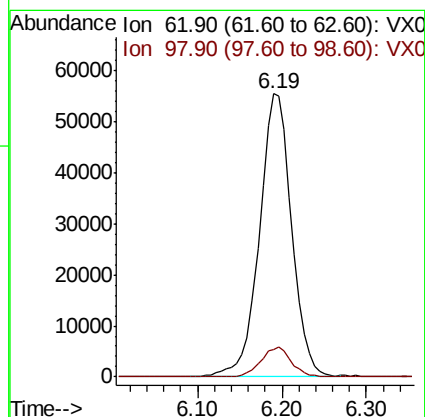
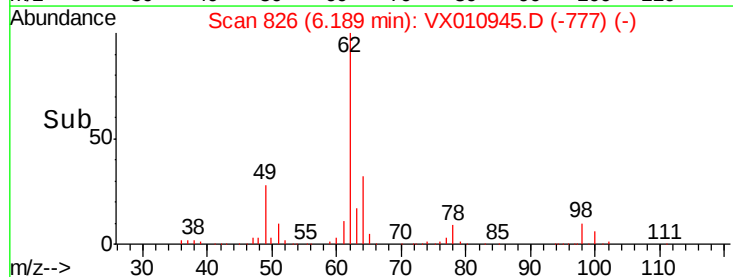
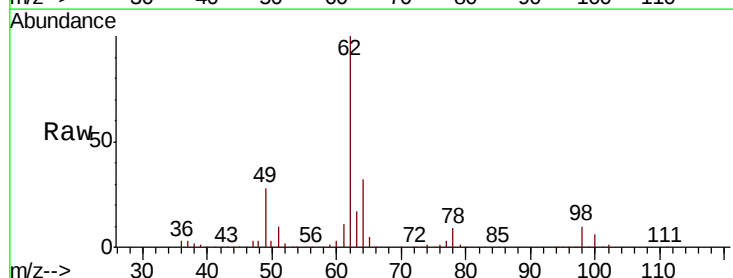
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

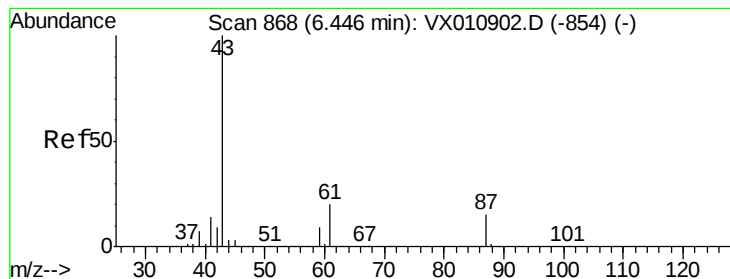
Tot Ion: 41 Resp: 78025
Ion Ratio Lower Upper
41 100
39 57.0 45.4 68.2
67 79.6 65.9 98.9
52 34.3 26.2 39.2



#42
1,2-Dichloroethane
Concen: 53.021 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 62 Resp: 145952
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.0



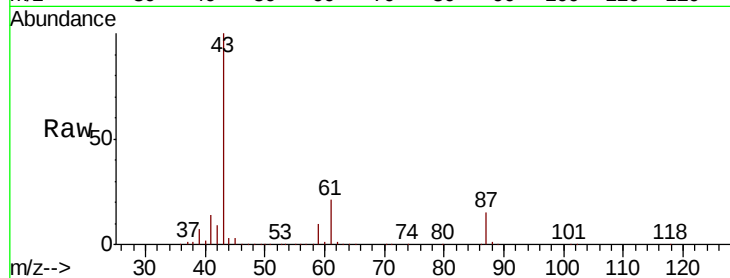


#43

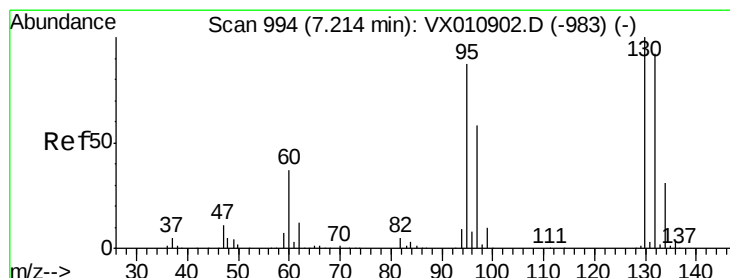
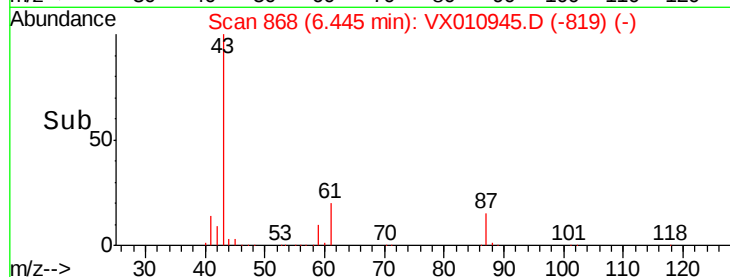
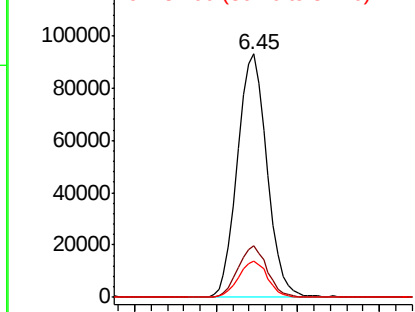
Isopropyl Acetate
 Concen: 53.543 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 233004
 Ion Ratio Lower Upper
 43 100
 61 20.8 17.1 25.7
 87 14.9 12.0 18.0



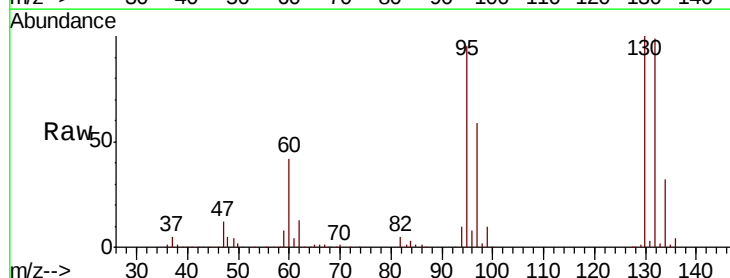
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



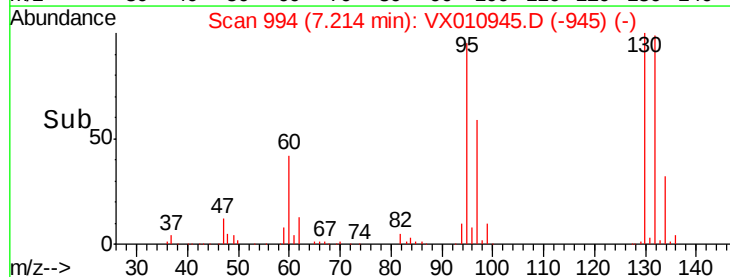
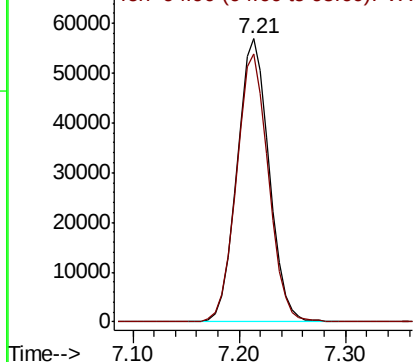
#44

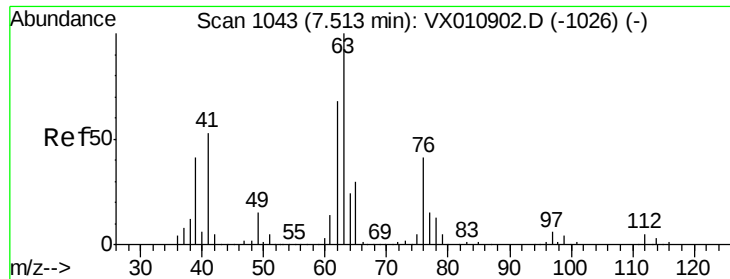
Trichloroethene
 Concen: 51.270 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion:130 Resp: 120150
 Ion Ratio Lower Upper
 130 100
 95 94.7 0.0 174.8



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





#45

1,2-Dichloropropane

Concen: 52.621 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

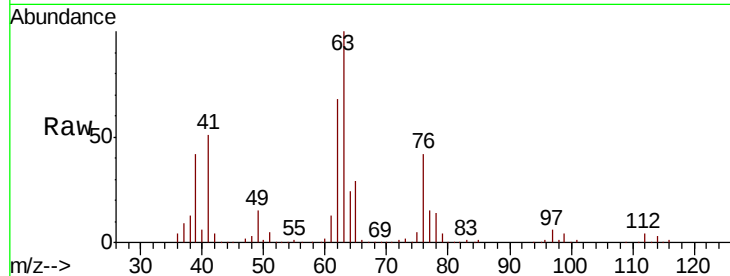
VSTDCCC050EC

Tot Ion: 63 Resp: 106034

Ion Ratio Lower Upper

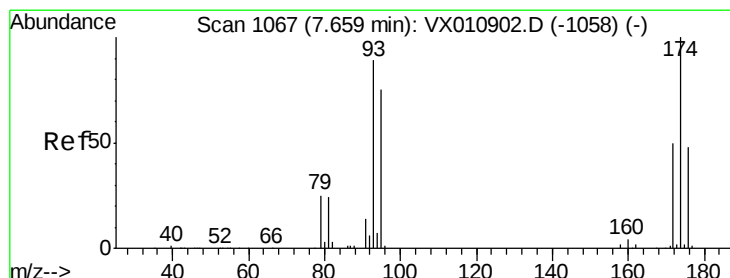
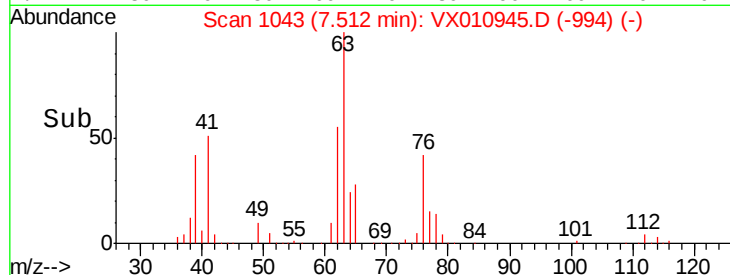
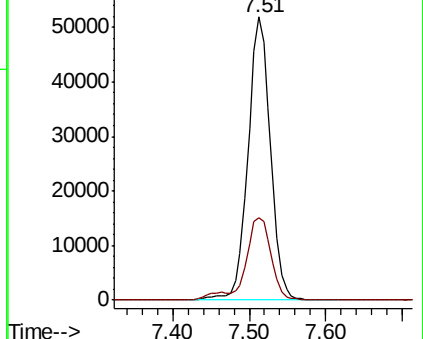
63 100

65 29.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.332 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

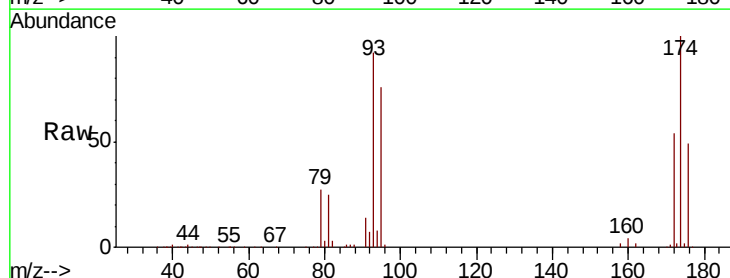
Tgt Ion: 93 Resp: 76792

Ion Ratio Lower Upper

93 100

95 84.9 67.2 100.8

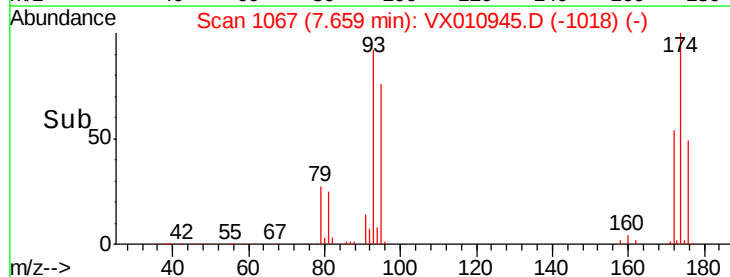
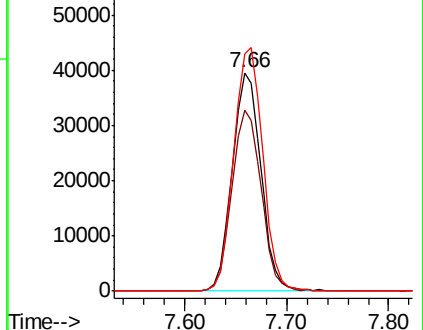
174 113.6 90.6 135.8

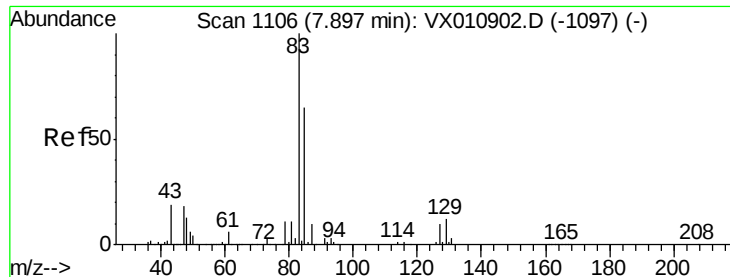


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

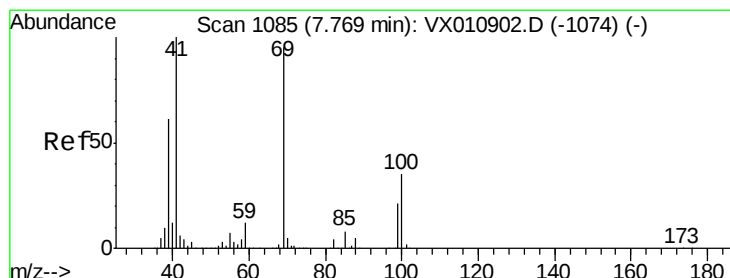
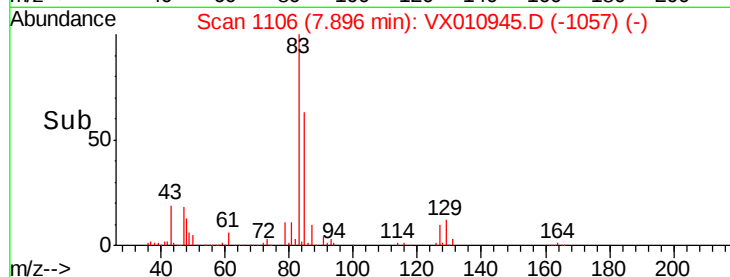
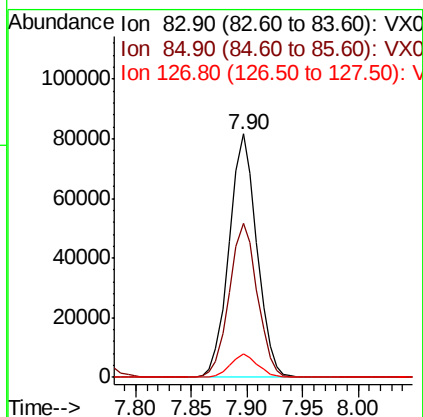
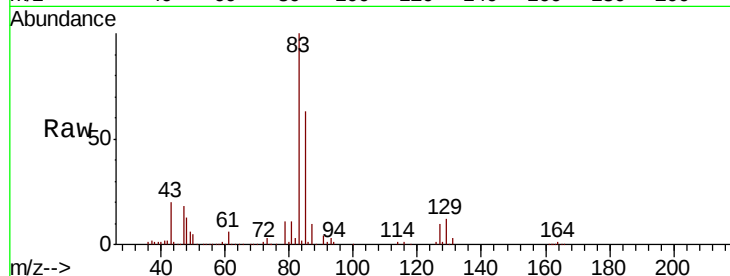




#47
Bromodichloromethane
Concen: 55.184 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

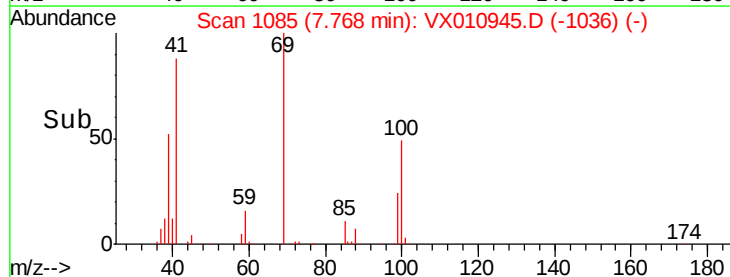
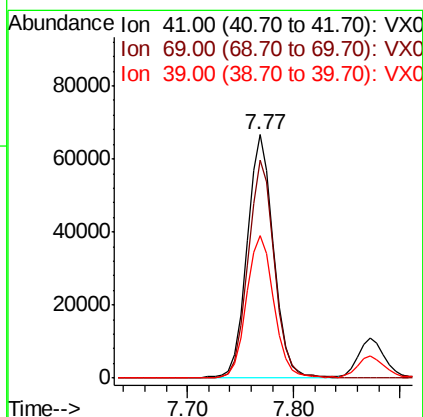
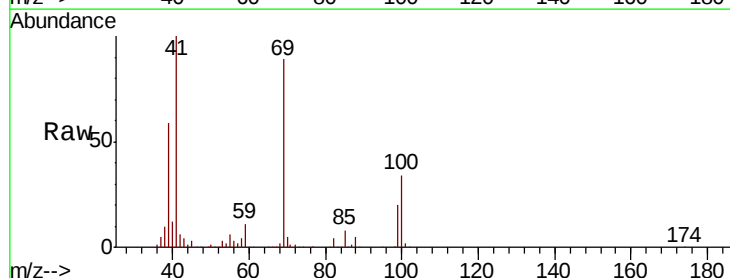
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

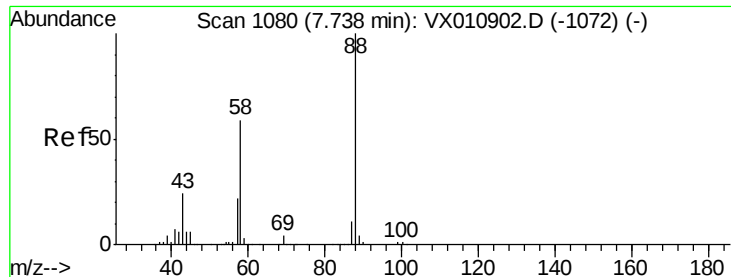
Tot Ion: 83 Resp: 141443
Ion Ratio Lower Upper
83 100
85 63.0 52.5 78.7
127 9.7 7.8 11.8



#48
Methyl methacrylate
Concen: 54.404 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 41 Resp: 115333
Ion Ratio Lower Upper
41 100
69 89.9 74.4 111.6
39 61.1 48.9 73.3

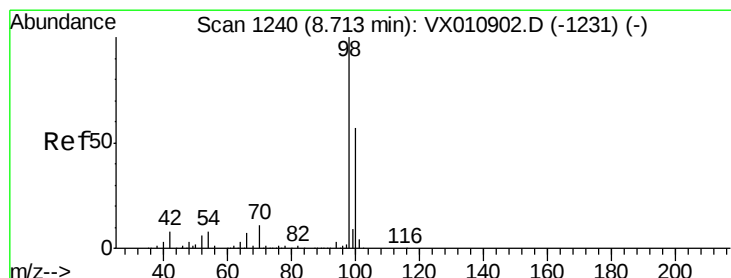
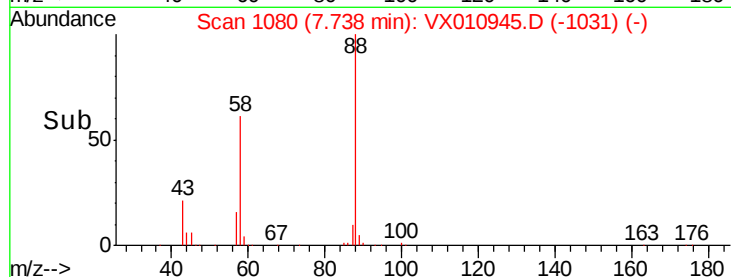
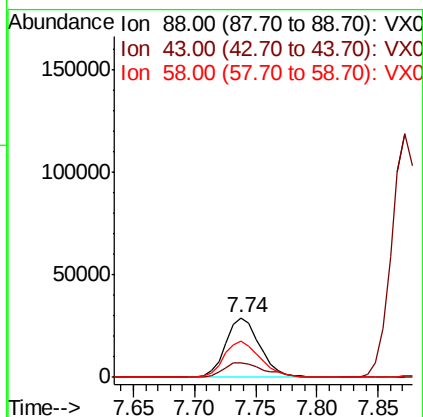
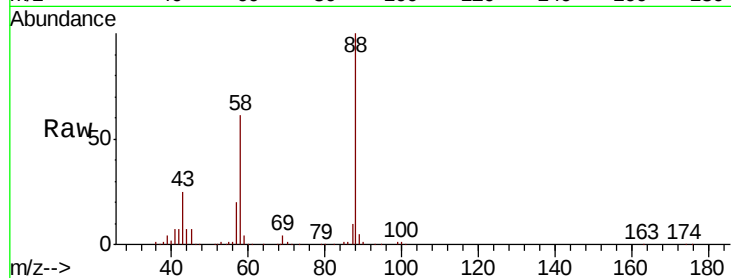




#49
 1,4-Dioxane
 Concen: 953.788 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

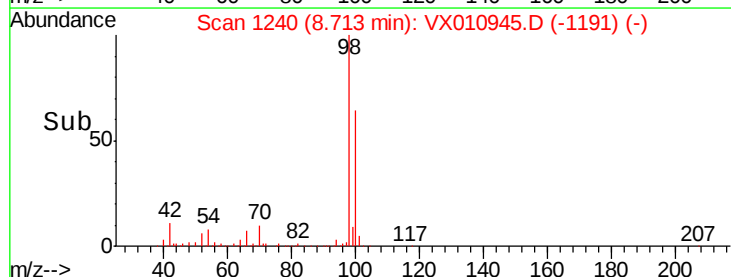
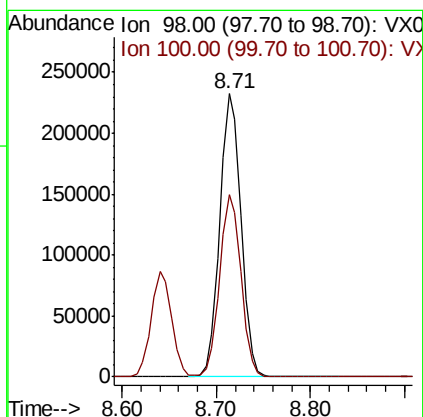
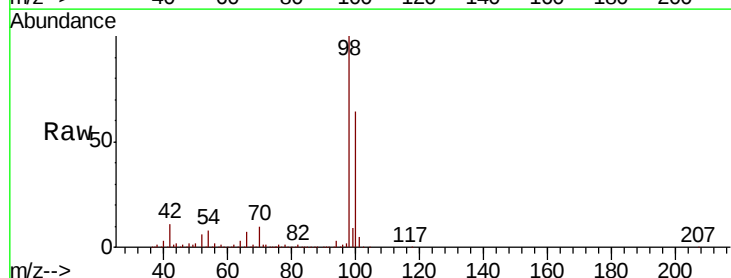
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	22.9	34.3
58	63.9	49.8	74.8



#50
 Toluene-d8
 Concen: 48.371 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 272.924 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

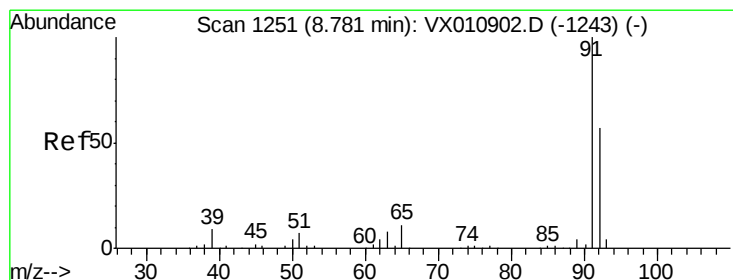
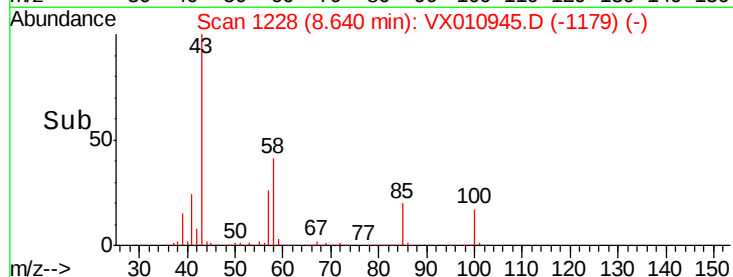
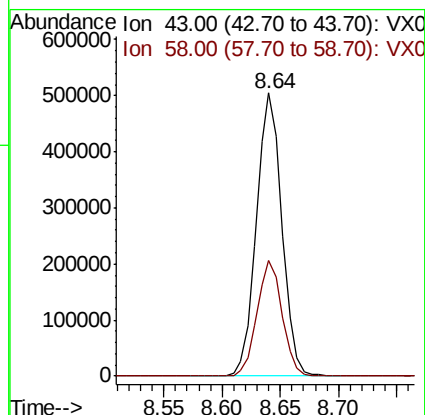
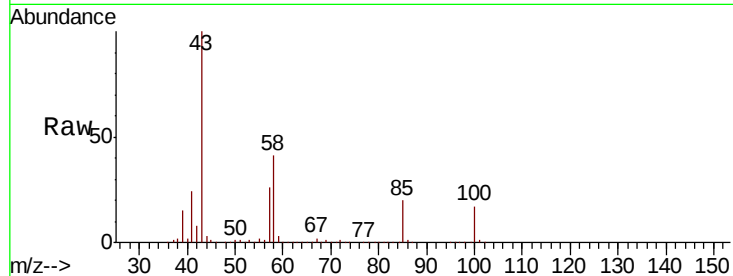
VSTDCCC050EC

Tot Ion: 43 Resp: 769899

Ion Ratio Lower Upper

43 100

58 40.4 32.2 48.4



#52

Toluene

Concen: 53.564 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010945.D

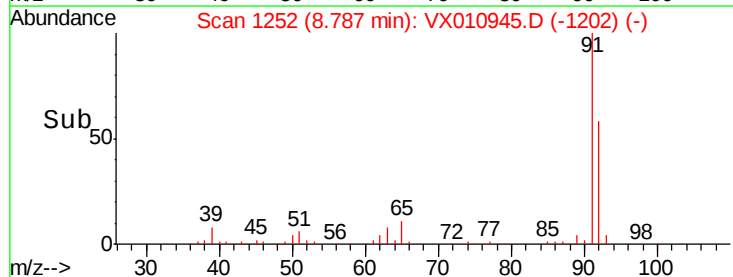
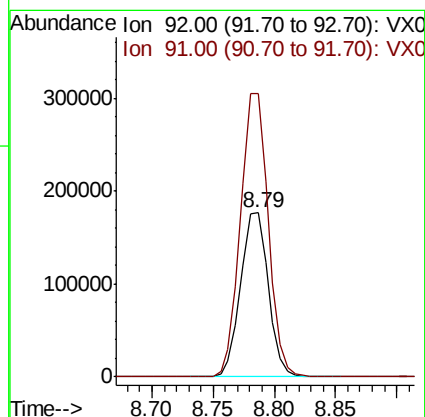
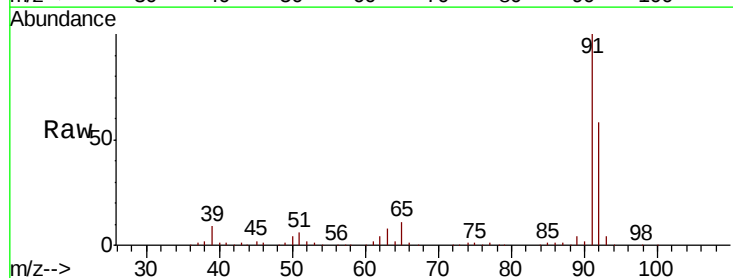
Acq: 17 Jul 2019 18:49

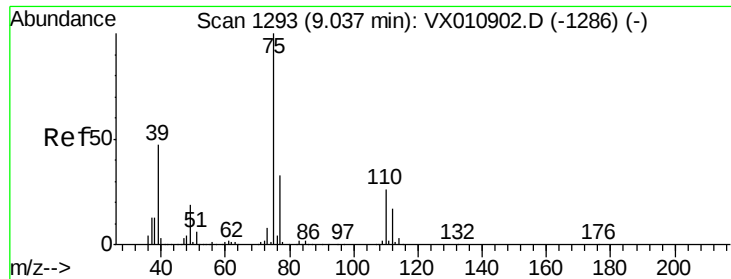
Tgt Ion: 92 Resp: 278582

Ion Ratio Lower Upper

92 100

91 172.5 139.4 209.0

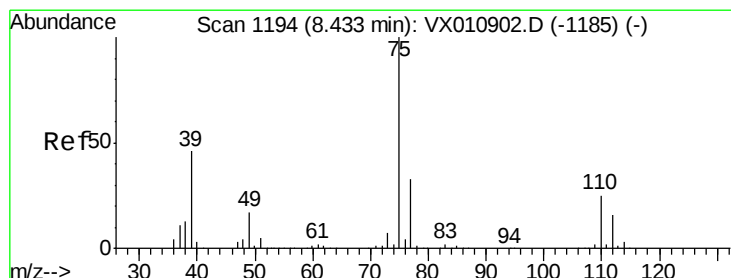
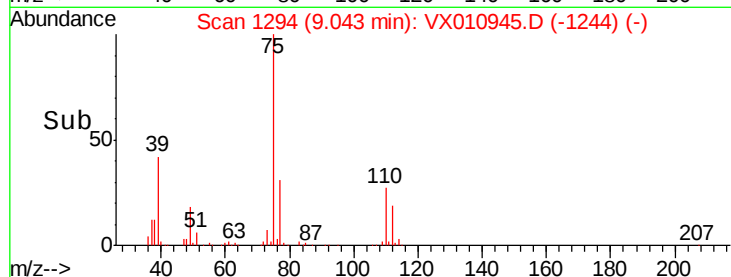
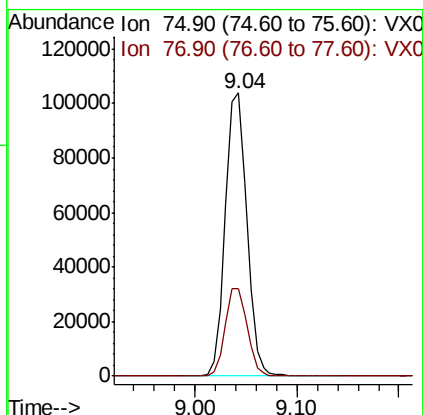
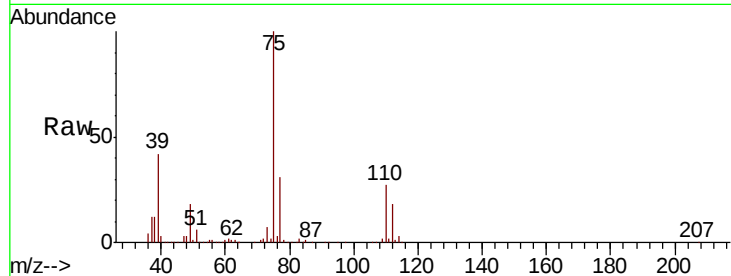




#53
t-1,3-Dichloropropene
Concen: 55.397 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

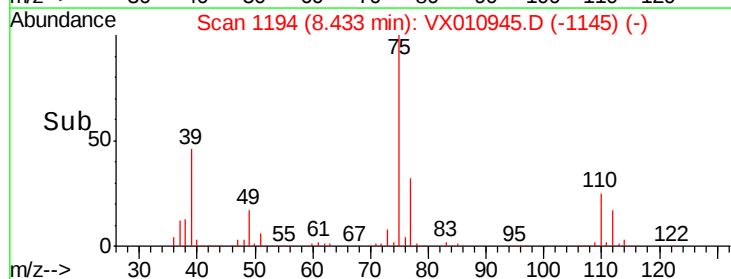
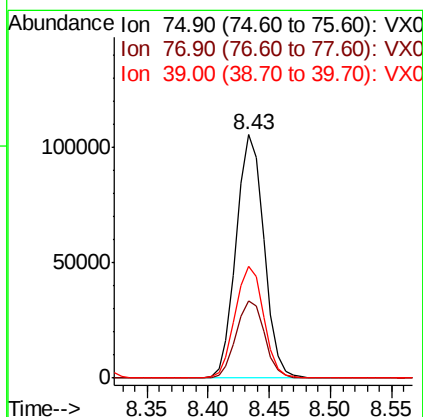
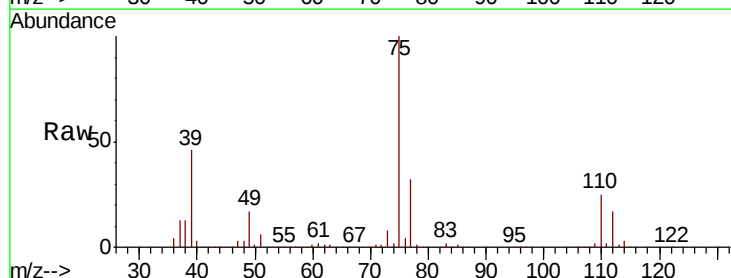
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

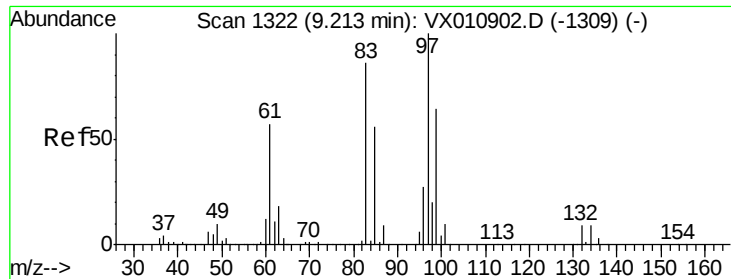
Tot Ion: 75 Resp: 152674
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 54.154 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 75 Resp: 166075
Ion Ratio Lower Upper
75 100
77 31.5 26.1 39.1
39 45.9 36.6 54.8

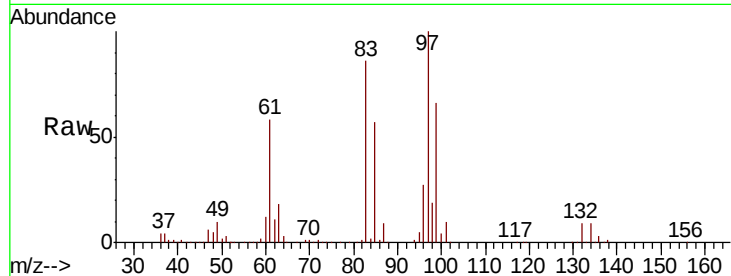




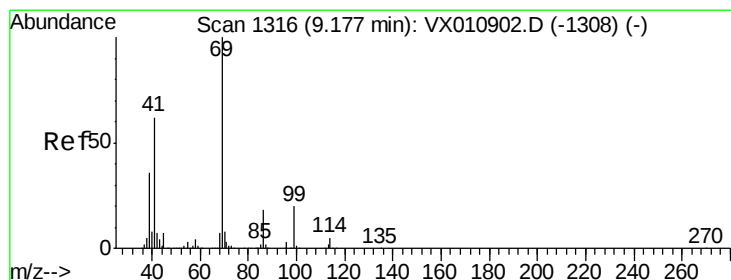
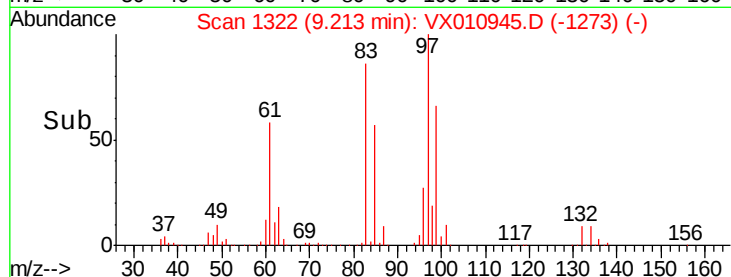
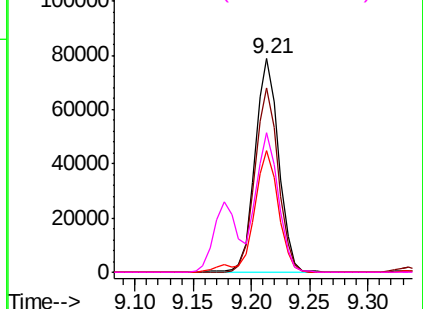
#55
 1,1,2-Trichloroethane
 Concen: 52.414 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	112243
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.2	103.8
85	56.8	44.6	66.8
99	65.5	51.2	76.8

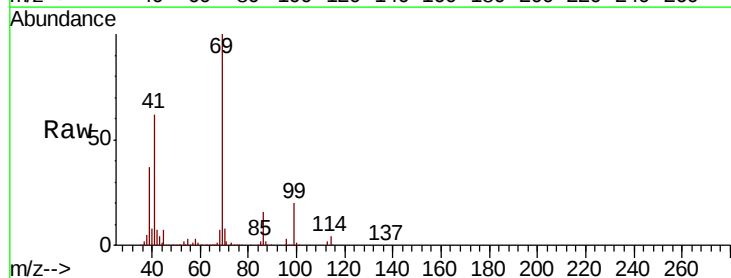


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

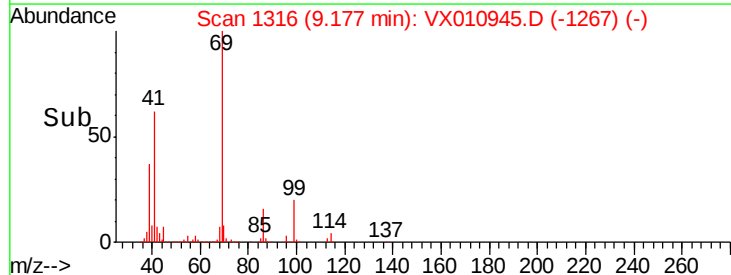
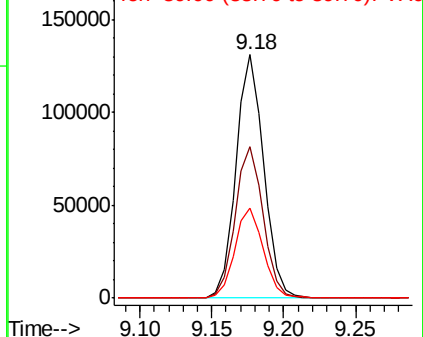


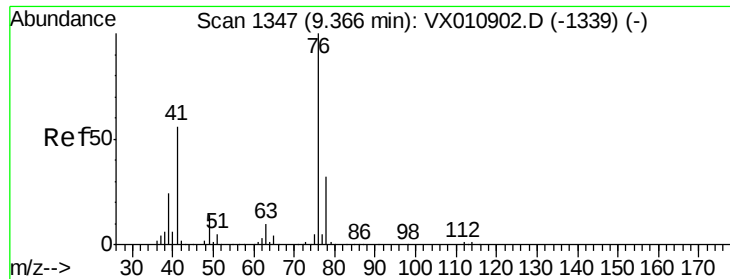
#56
 Ethyl methacrylate
 Concen: 56.096 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion:	69	Resp:	175720
Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.7	74.5
39	38.0	29.6	44.4



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





#57

1,3-Dichloropropane

Concen: 53.566 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

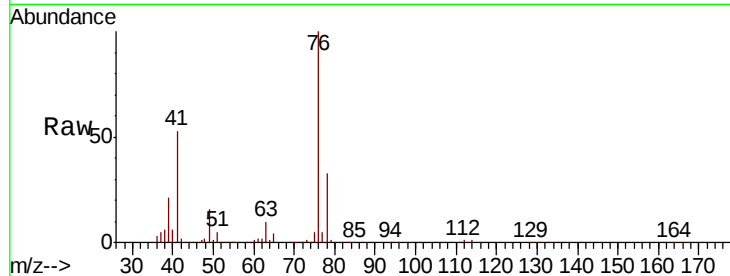
VSTDCCC050EC

Tot Ion: 76 Resp: 181972

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

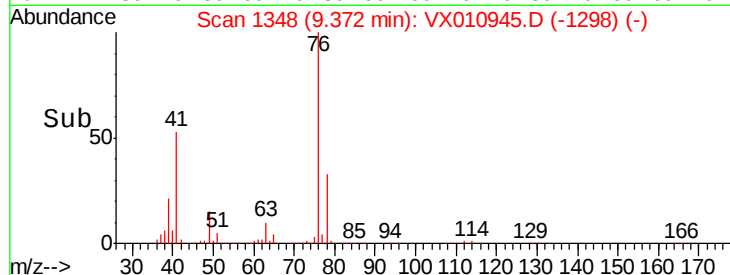
150000

100000

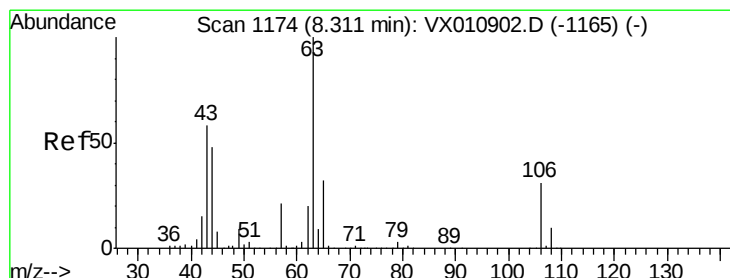
50000

0

9.30 9.35 9.40 9.45



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 273.865 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010945.D

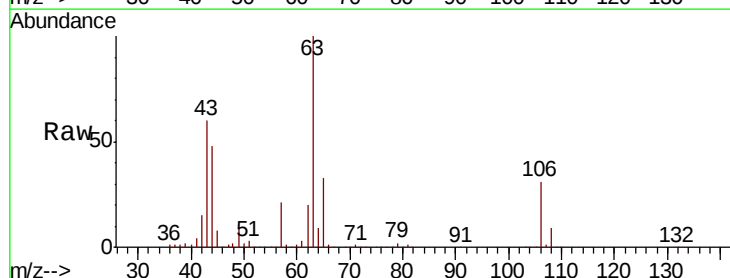
Acq: 17 Jul 2019 18:49

Tgt Ion: 63 Resp: 409515

Ion Ratio Lower Upper

63 100

106 30.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

250000

200000

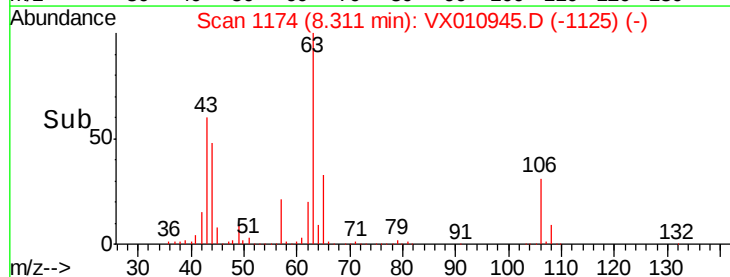
150000

100000

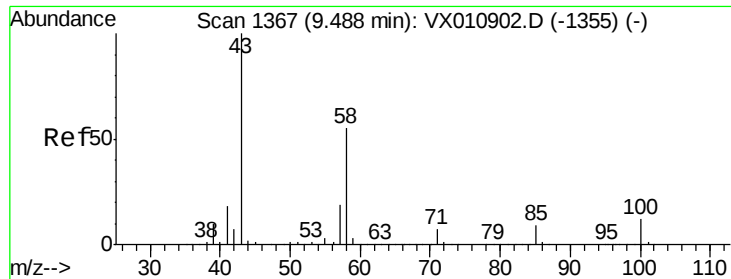
50000

0

8.20 8.30 8.40



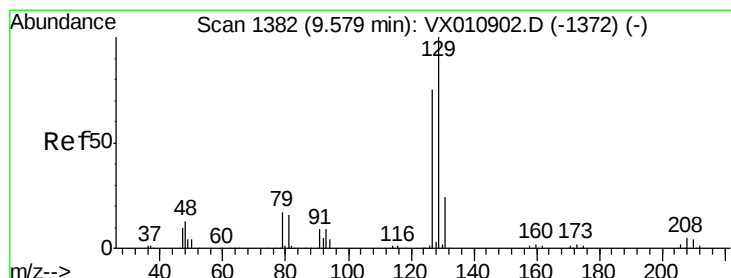
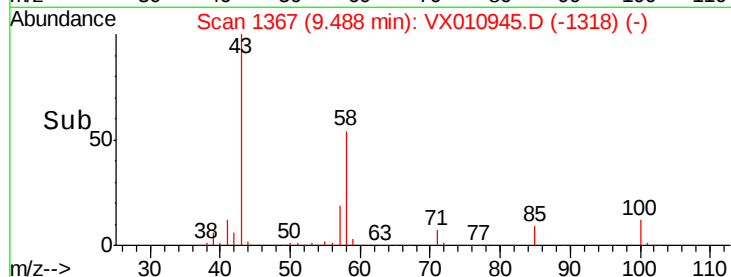
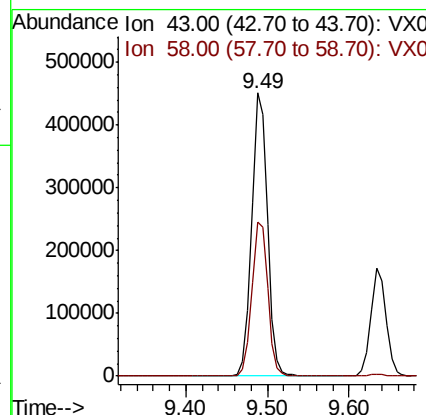
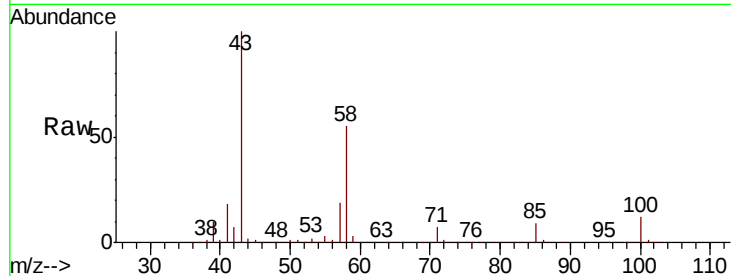
Time-->



#59
 2-Hexanone
 Concen: 275.813 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

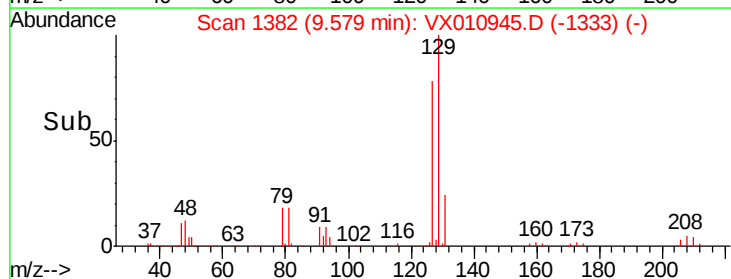
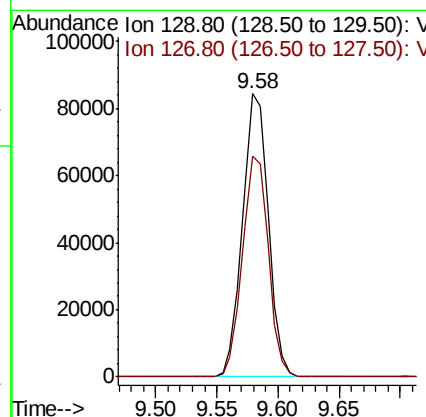
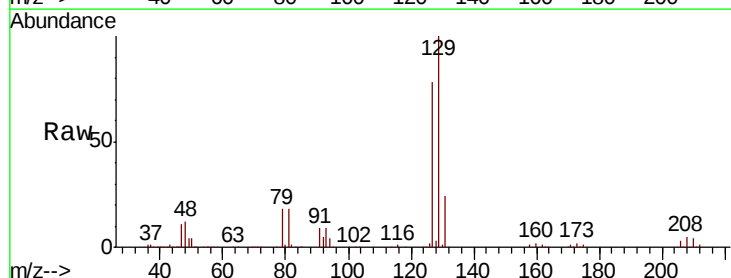
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 603469
 Ion Ratio Lower Upper
 43 100
 58 55.5 28.0 83.9



#60
 Dibromochloromethane
 Concen: 49.993 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion: 129 Resp: 123211
 Ion Ratio Lower Upper
 129 100
 127 78.2 38.6 115.8

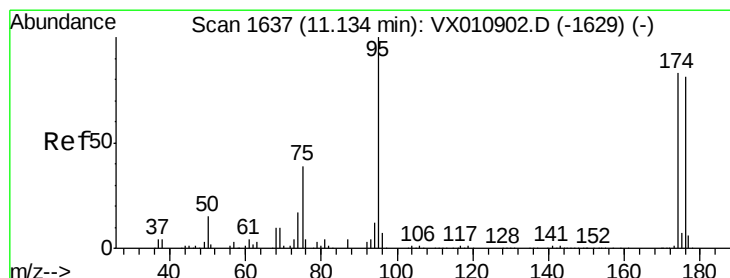
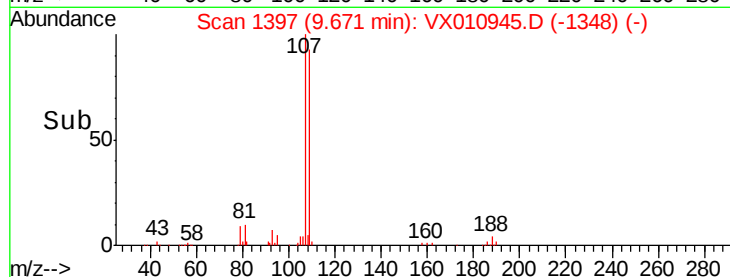
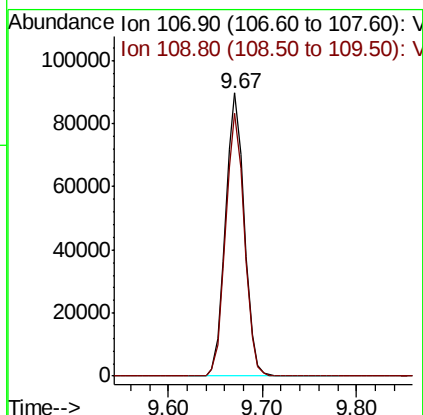
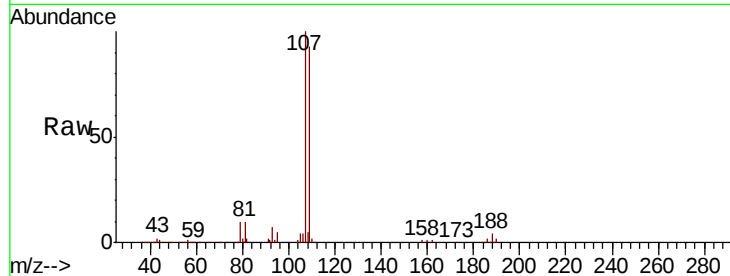




#61
 1,2-Dibromoethane
 Concen: 54.676 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

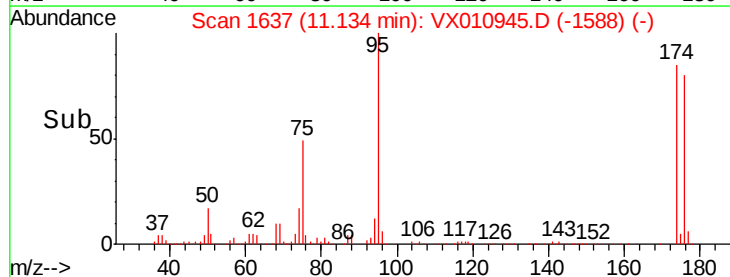
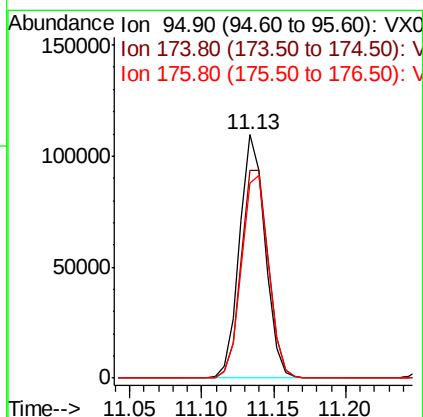
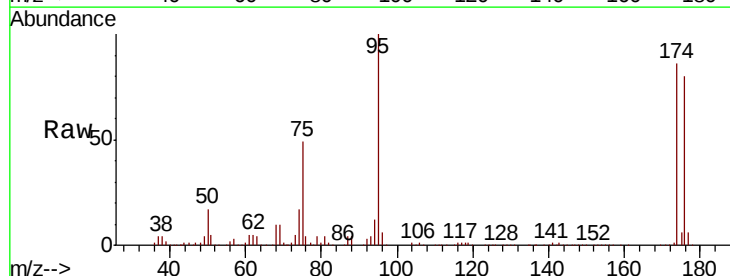
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

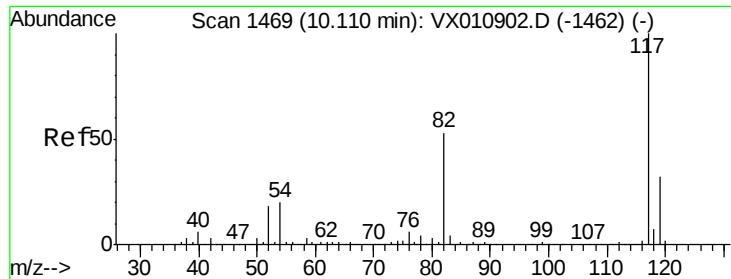
Tot Ion:107 Resp: 124259
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.268 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion: 95 Resp: 135650
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 180.6
 176 87.4 0.0 173.8

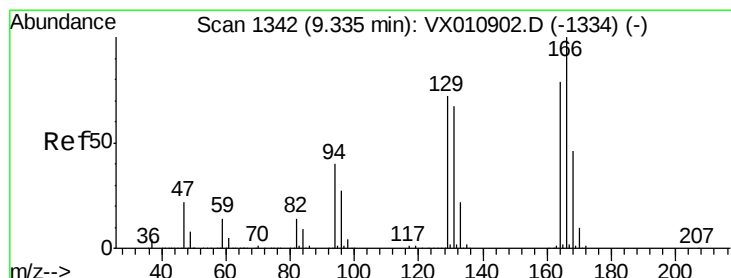
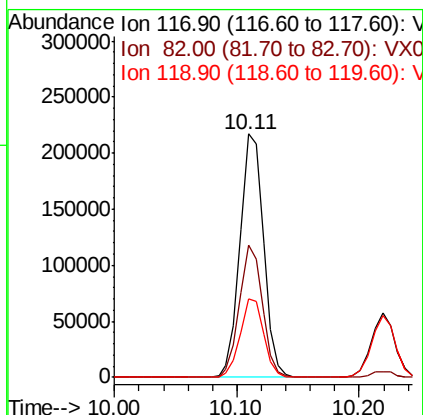
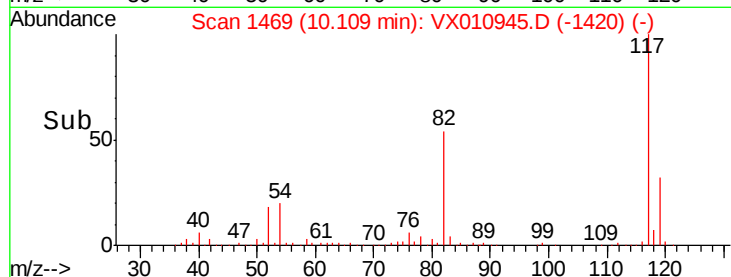
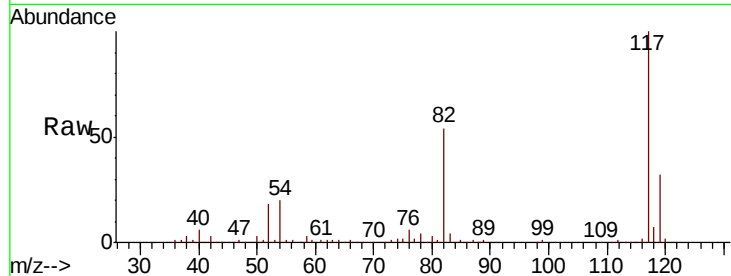




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

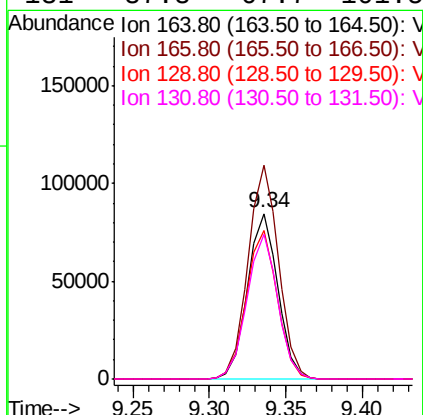
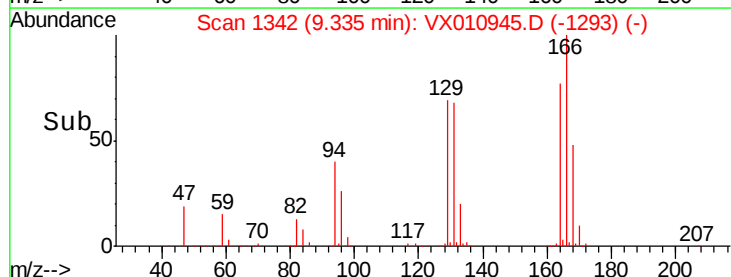
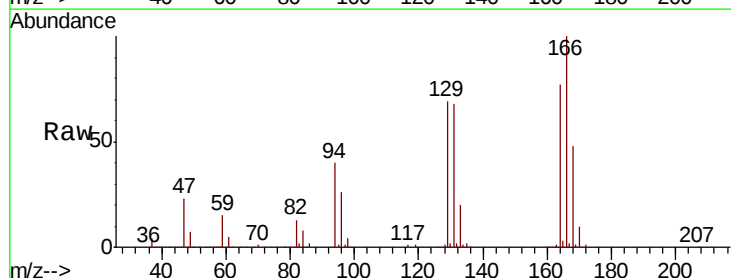
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

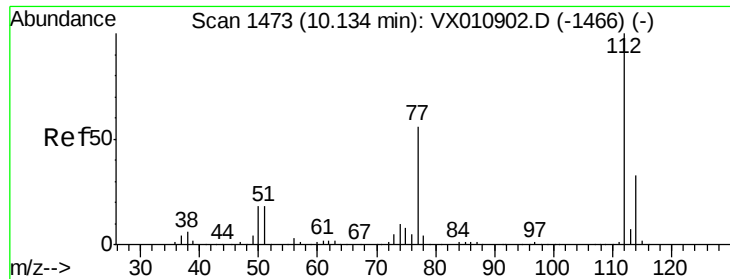
Tot Ion:117 Resp: 289800
Ion Ratio Lower Upper
117 100
82 54.2 42.6 63.8
119 32.5 25.9 38.9



#64
Tetrachloroethene
Concen: 51.243 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion:164 Resp: 116825
Ion Ratio Lower Upper
164 100
166 129.0 100.8 151.2
129 89.5 72.6 109.0
131 87.8 67.7 101.5

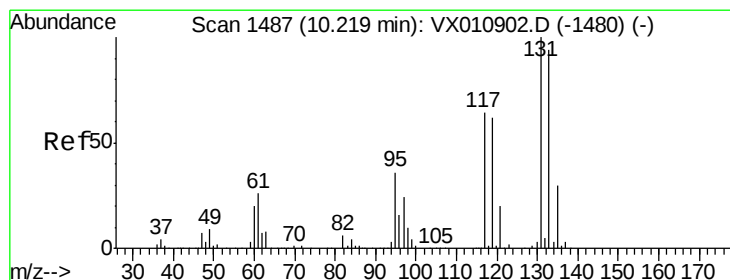
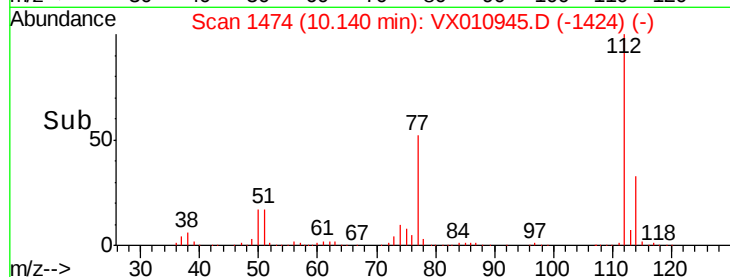
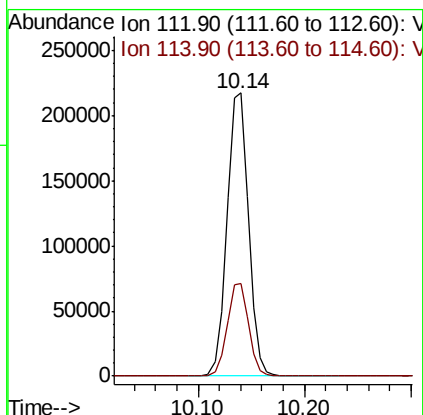
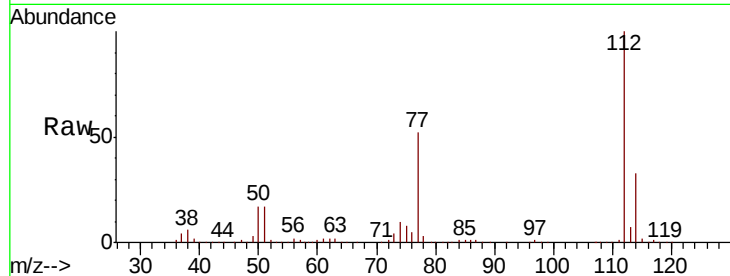




#65
Chlorobenzene
Concen: 51.754 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

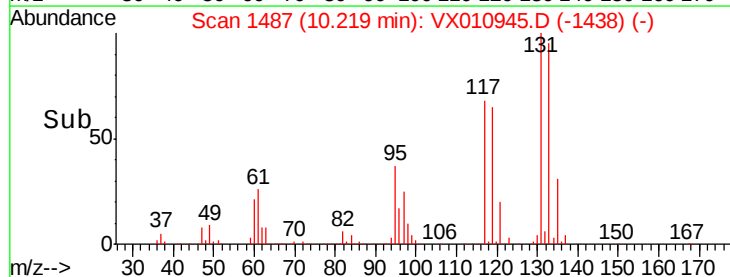
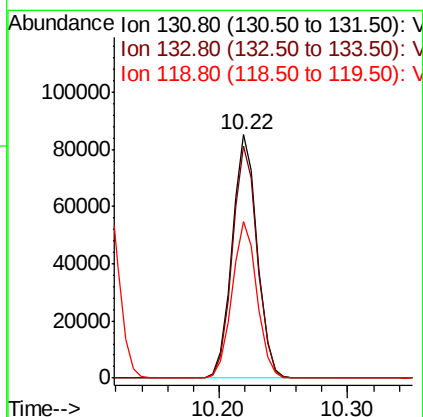
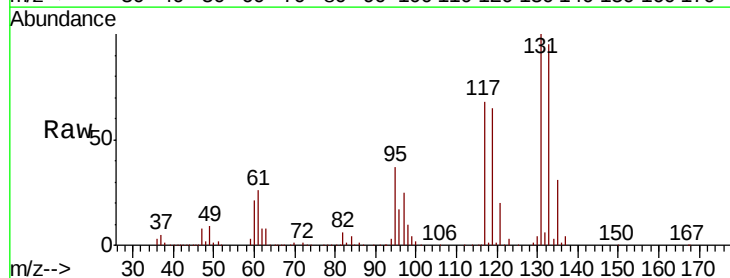
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

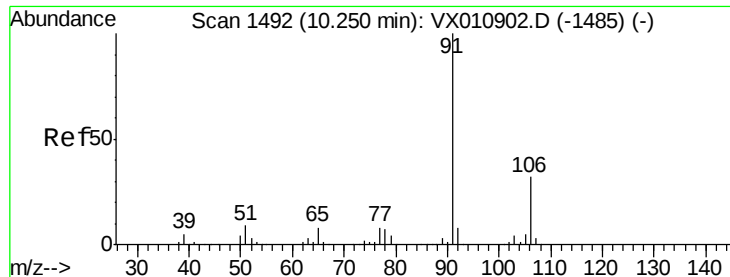
Tot Ion:112 Resp: 308055
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.963 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion:131 Resp: 114980
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.4
119 64.4 31.9 95.7





#67

Ethyl Benzene

Concen: 53.302 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

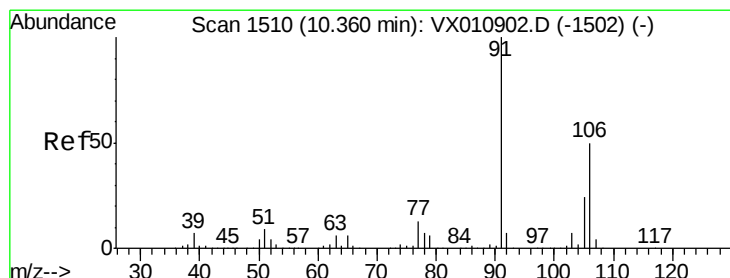
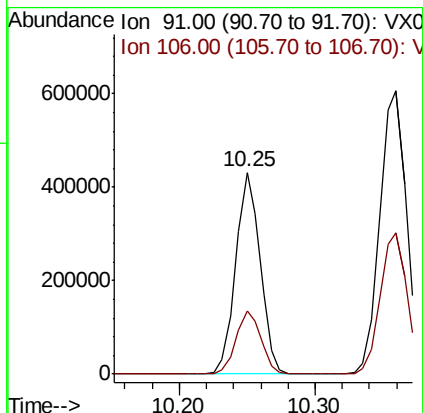
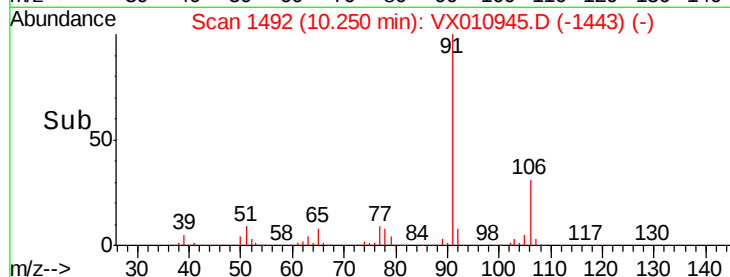
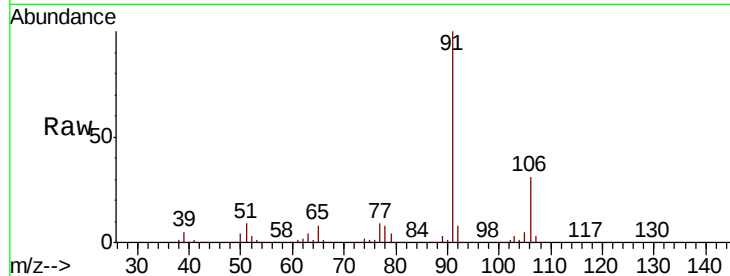
VSTDCCC050EC

Tot Ion: 91 Resp: 540031

Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2



#68

m/p-Xylenes

Concen: 106.129 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010945.D

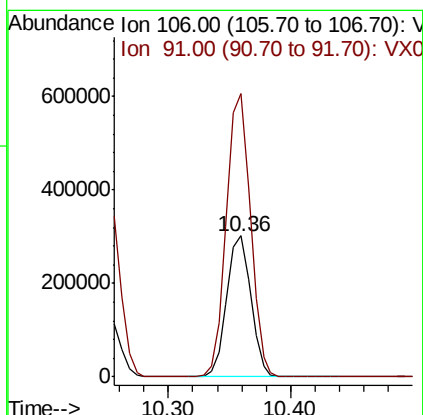
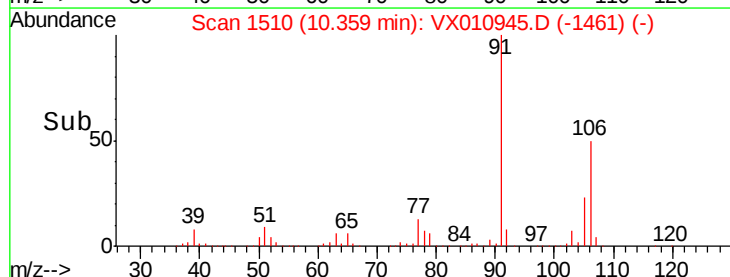
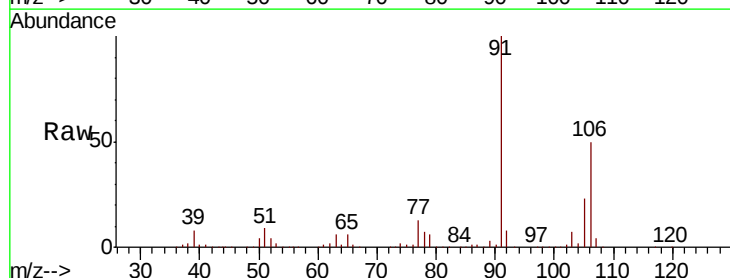
Acq: 17 Jul 2019 18:49

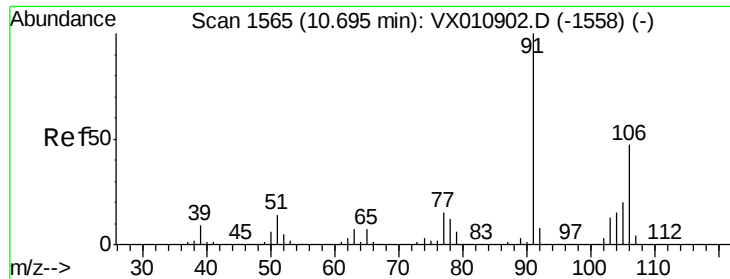
Tgt Ion: 106 Resp: 412452

Ion Ratio Lower Upper

106 100

91 201.2 160.1 240.1

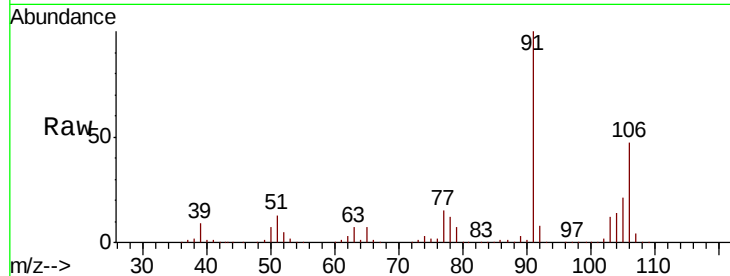




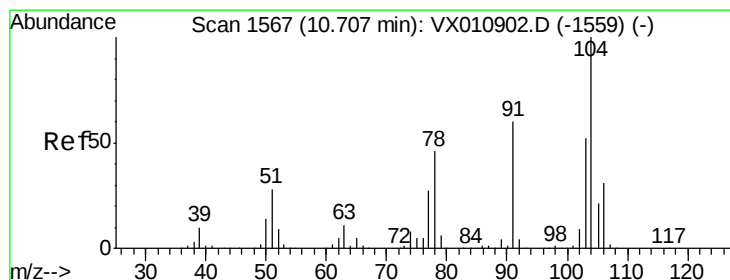
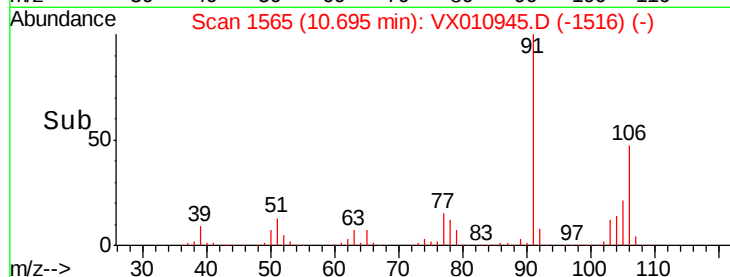
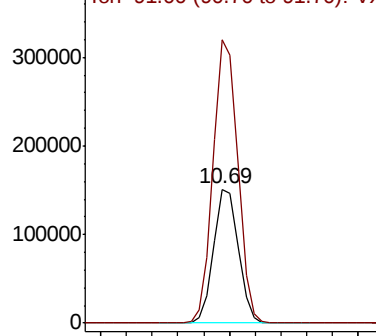
#69
o-Xylene
Concen: 52.940 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 200793
Ion Ratio Lower Upper
106 100
91 211.1 105.1 315.3

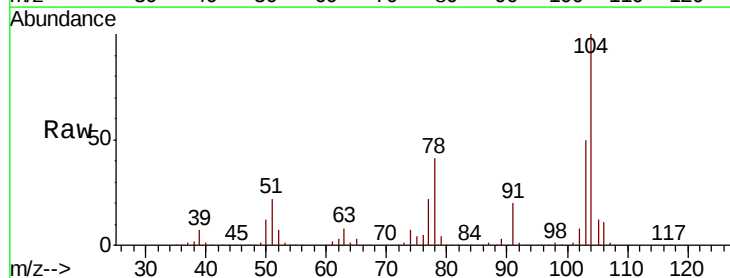


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

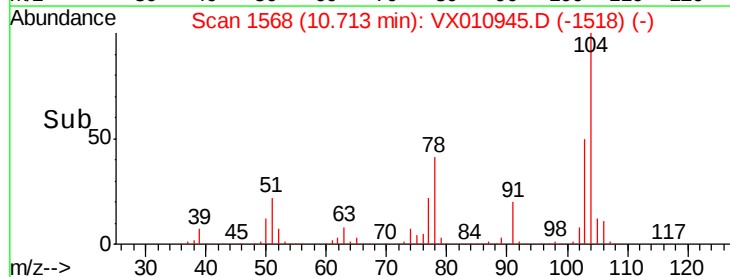
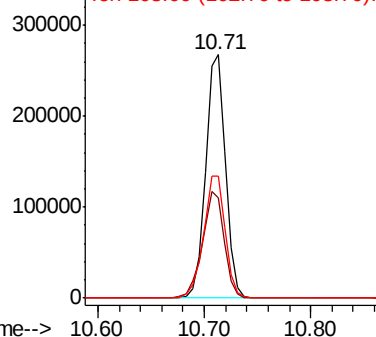


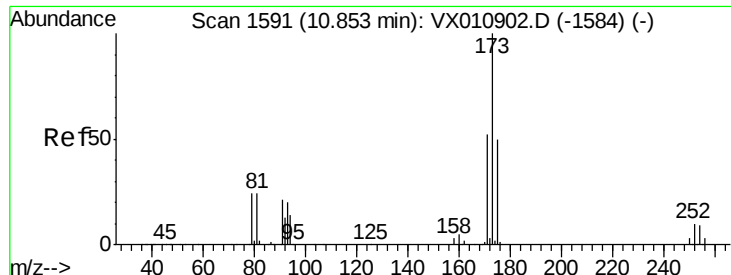
#70
Styrene
Concen: 55.235 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion:104 Resp: 349233
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
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: 49.039 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

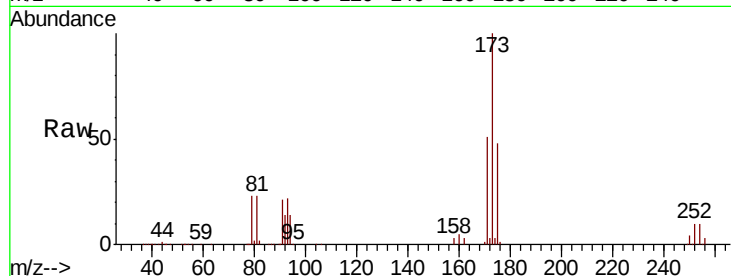
Tot Ion:173 Resp: 93309

Ion Ratio Lower Upper

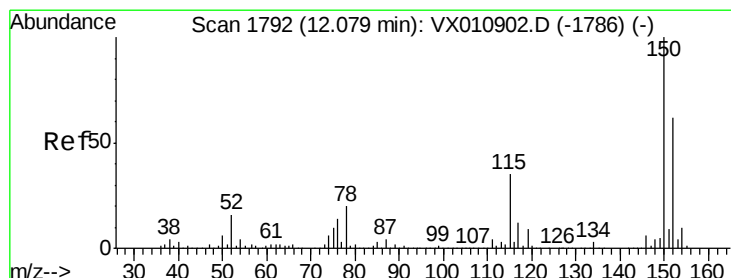
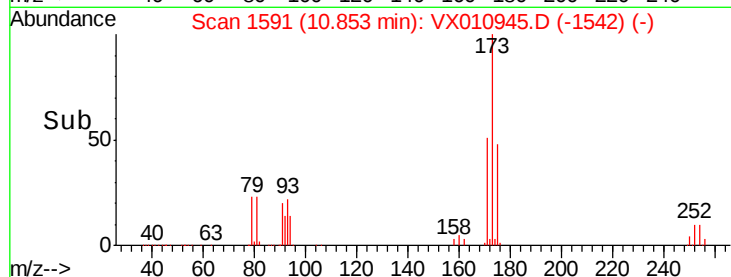
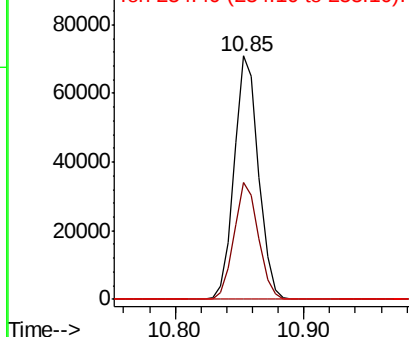
173 100

175 48.2 24.6 73.6

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

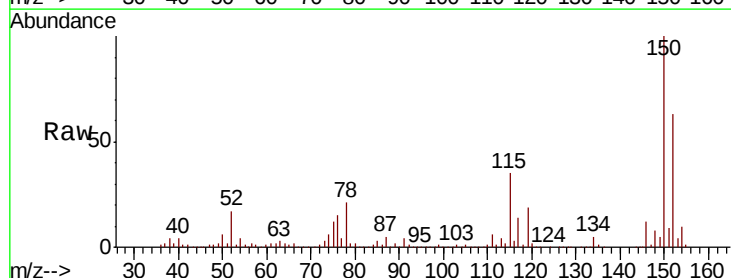
Tgt Ion:152 Resp: 151112

Ion Ratio Lower Upper

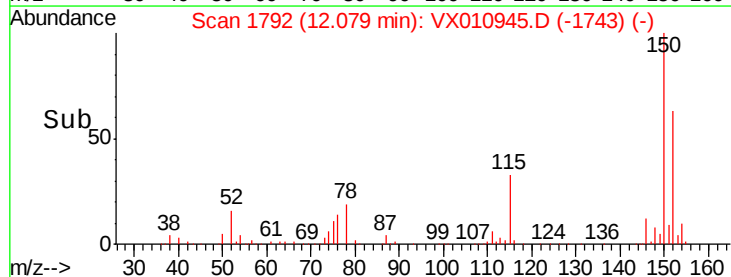
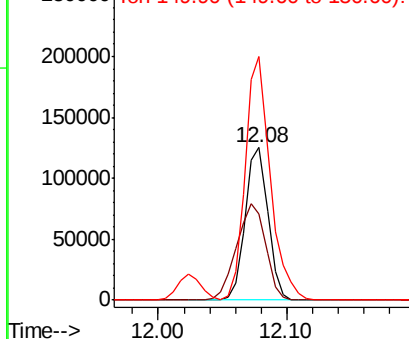
152 100

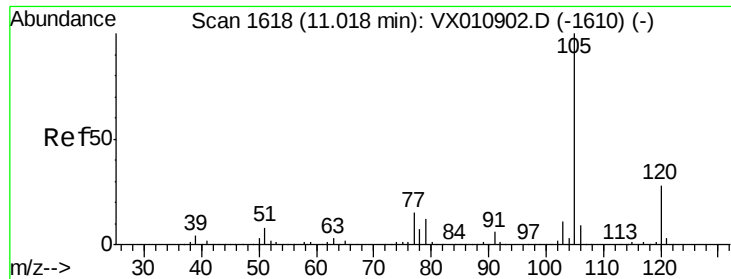
115 81.6 39.7 119.1

150 175.5 0.0 345.6



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

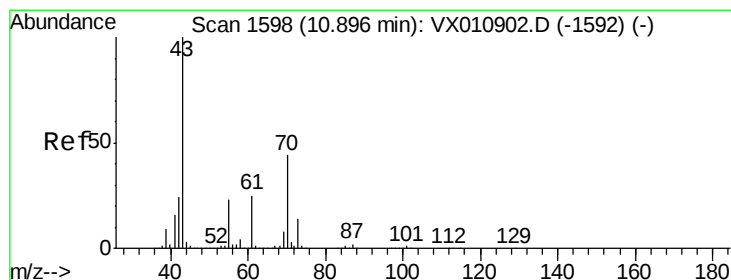
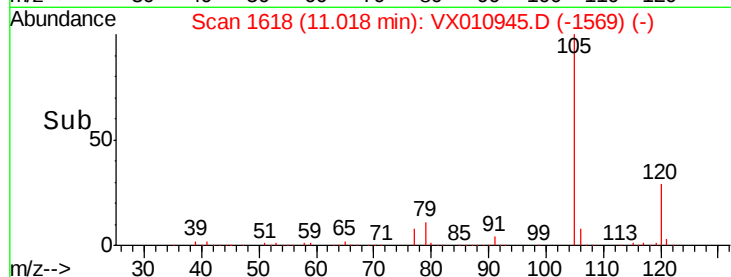
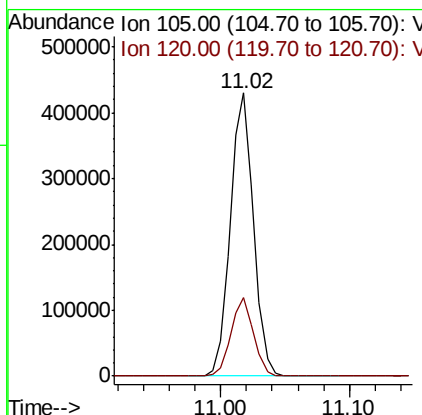
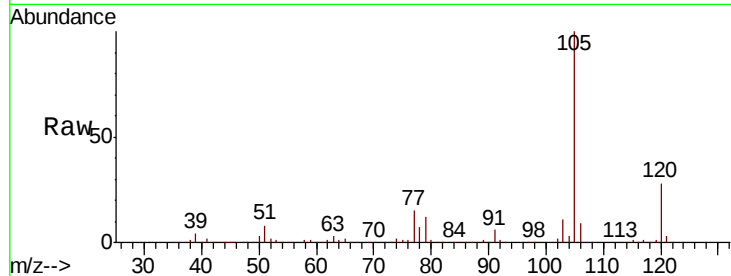




#73
Isopropylbenzene
Concen: 52.837 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

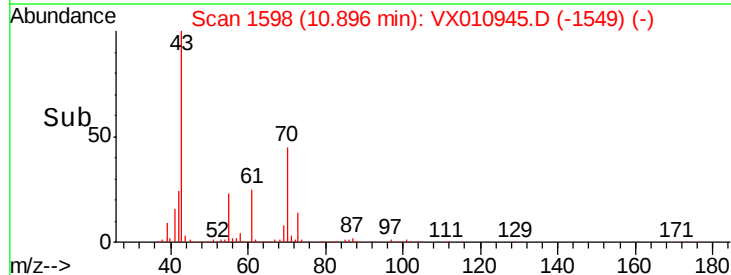
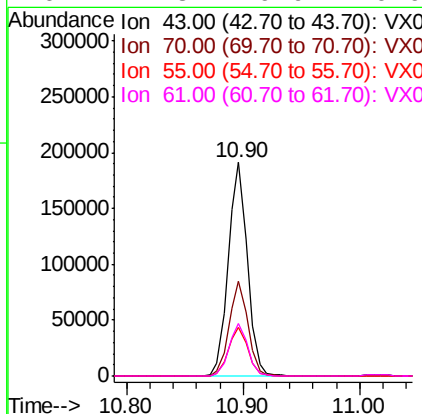
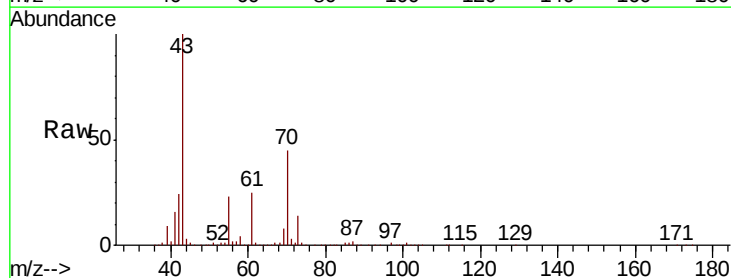
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

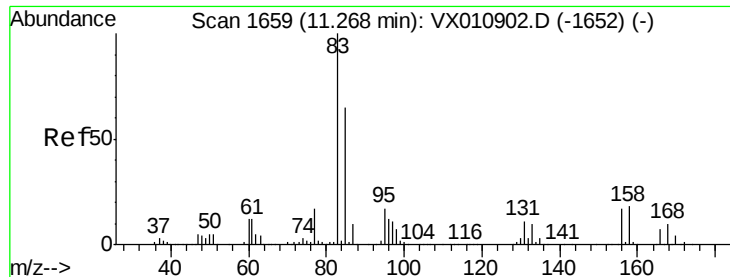
Tot Ion:105 Resp: 539496
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1



#74
N-ethyl acetate
Concen: 55.729 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 43 Resp: 217419
Ion Ratio Lower Upper
43 100
70 43.9 34.7 52.1
55 23.5 19.1 28.7
61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.387 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

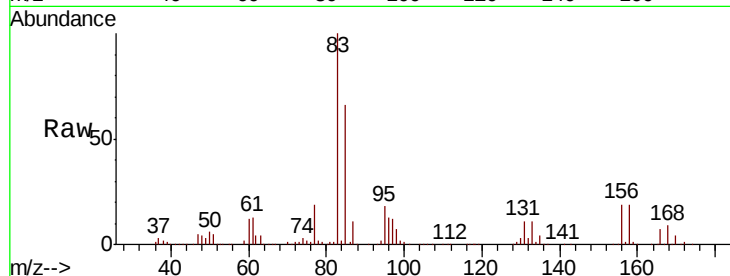
Tot Ion: 83 Resp: 178393

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

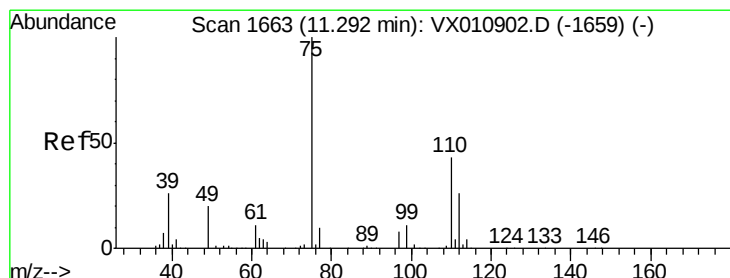
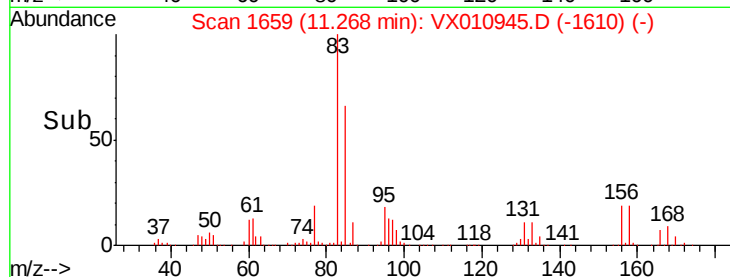
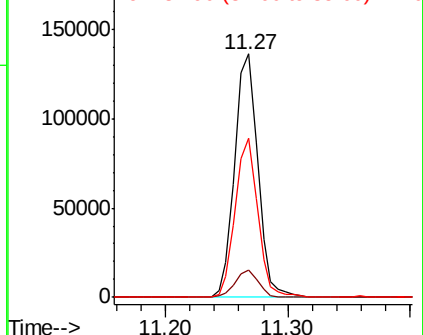
85 64.0 32.3 96.9



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: 72.217 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010945.D

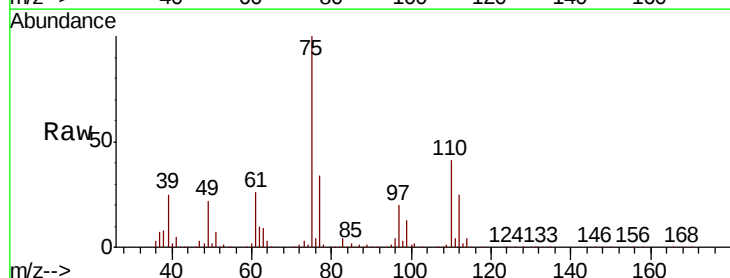
Acq: 17 Jul 2019 18:49

Tgt Ion: 75 Resp: 196928

Ion Ratio Lower Upper

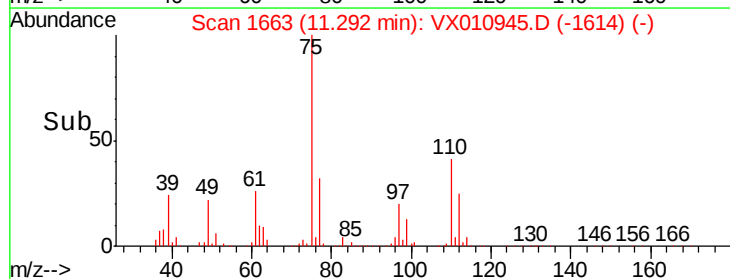
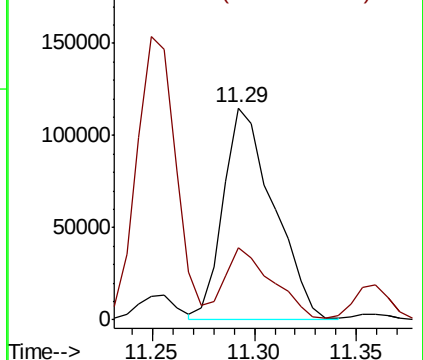
75 100

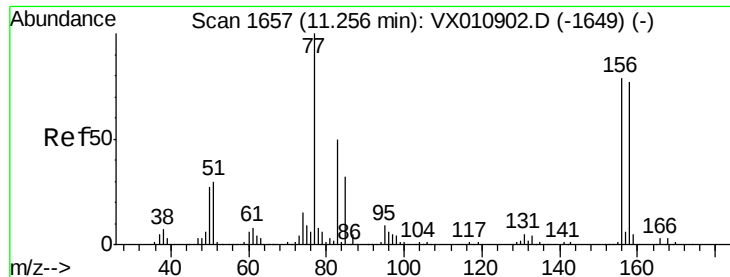
77 32.2 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.499 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

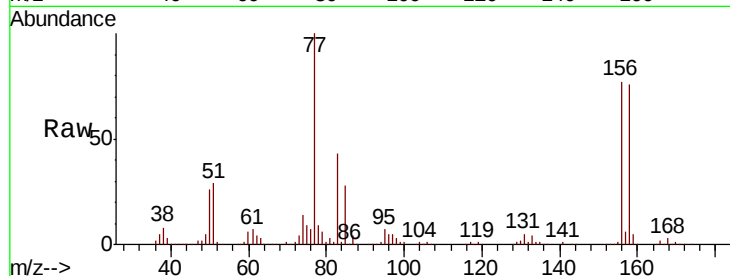
Tot Ion:156 Resp: 147862

Ion Ratio Lower Upper

156 100

77 137.7 68.7 206.1

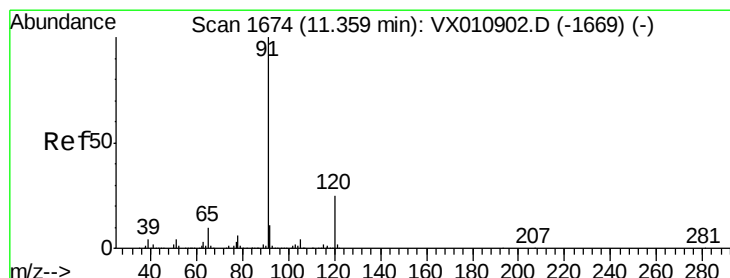
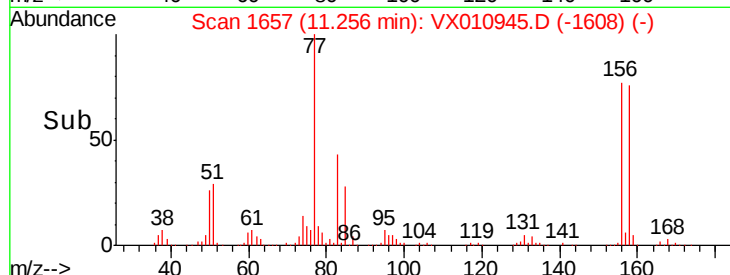
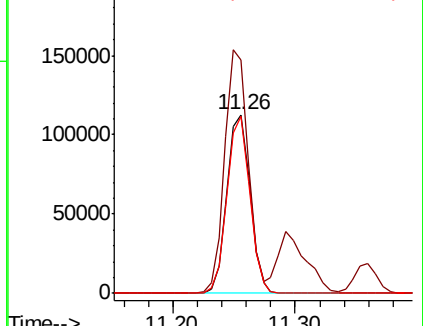
158 97.0 47.9 143.7



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: 53.650 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010945.D

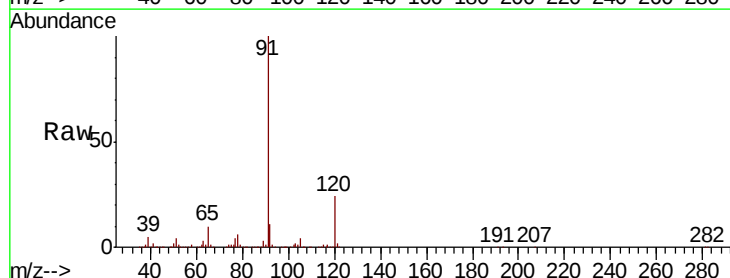
Acq: 17 Jul 2019 18:49

Tgt Ion: 91 Resp: 605270

Ion Ratio Lower Upper

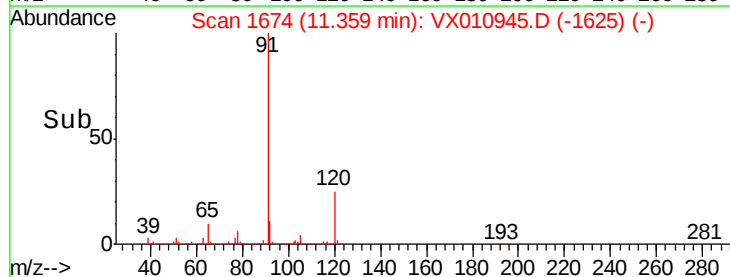
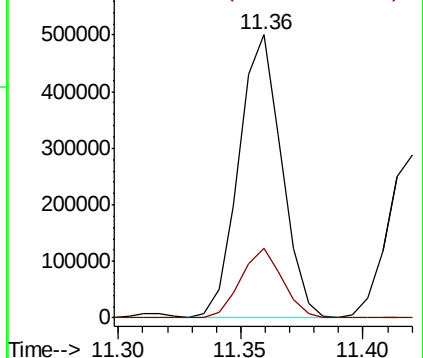
91 100

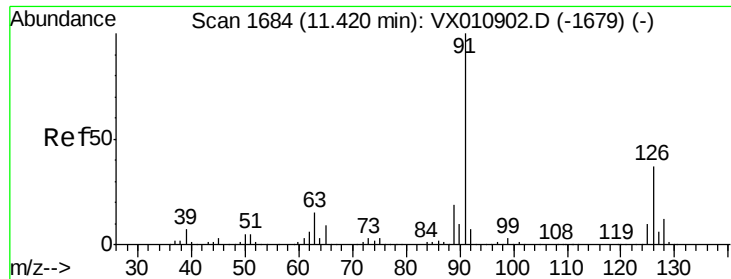
120 24.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.105 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

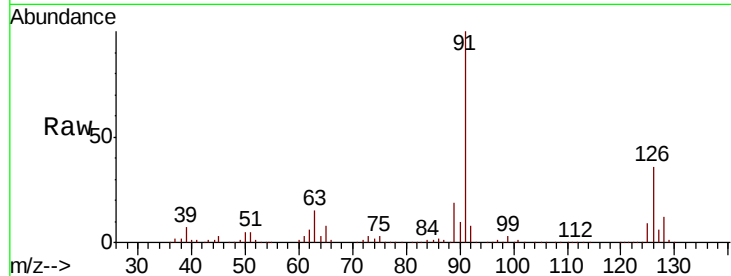
VSTDCCC050EC

Tot Ion: 91 Resp: 359907

Ion Ratio Lower Upper

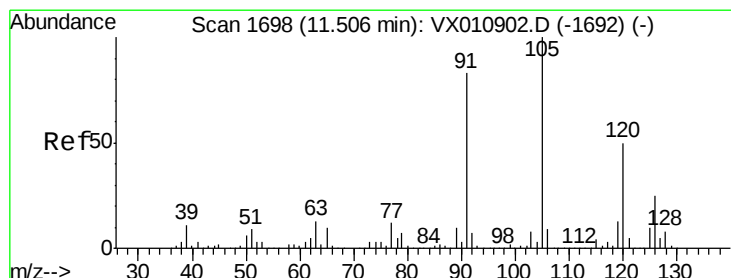
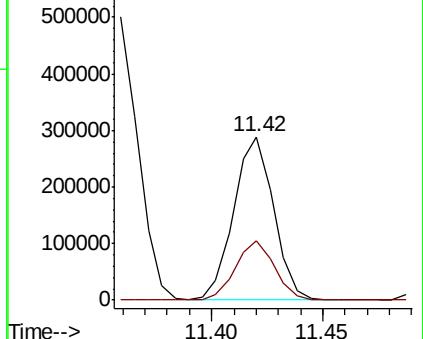
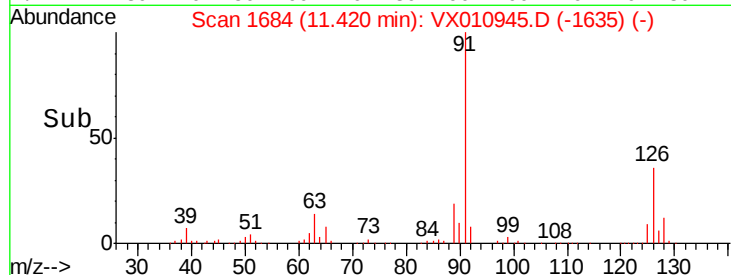
91 100

126 35.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.320 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010945.D

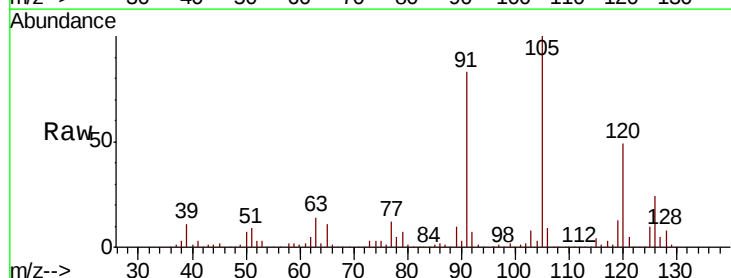
Acq: 17 Jul 2019 18:49

Tgt Ion:105 Resp: 454924

Ion Ratio Lower Upper

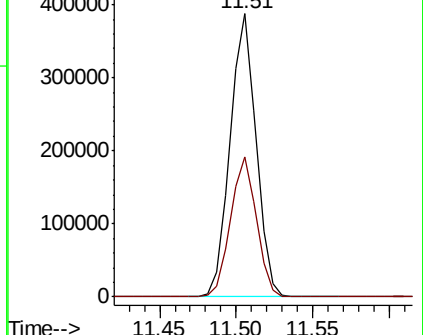
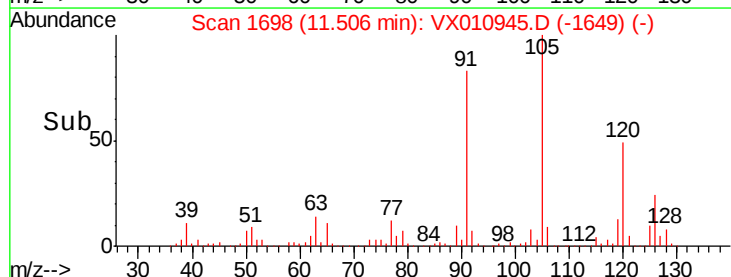
105 100

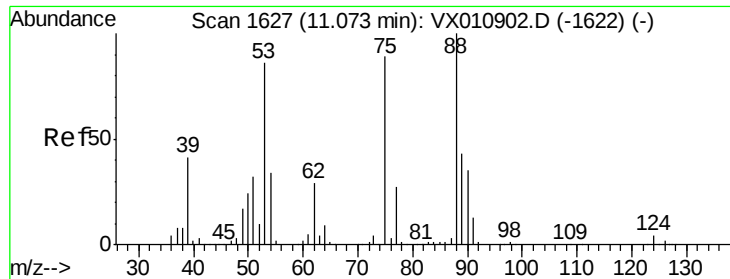
120 49.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.440 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

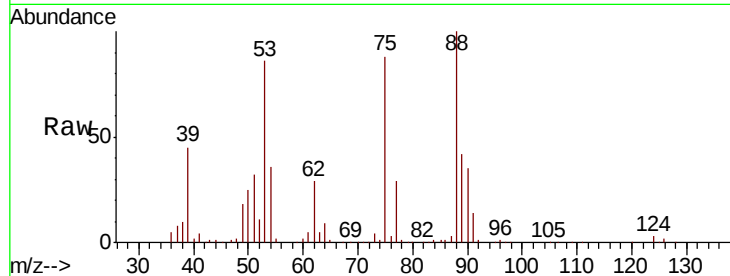
Tot Ion: 75 Resp: 50822

Ion Ratio Lower Upper

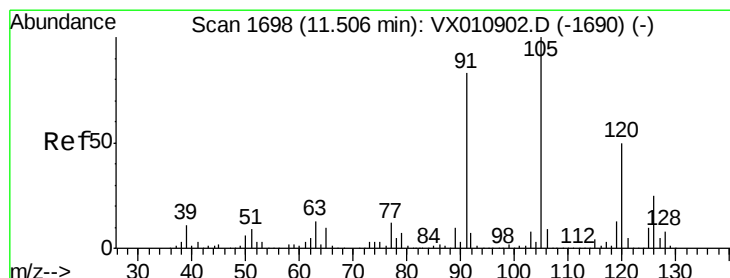
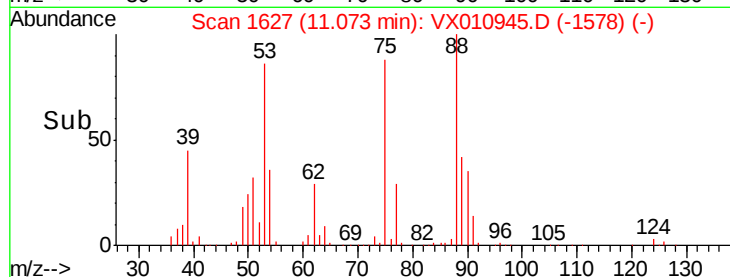
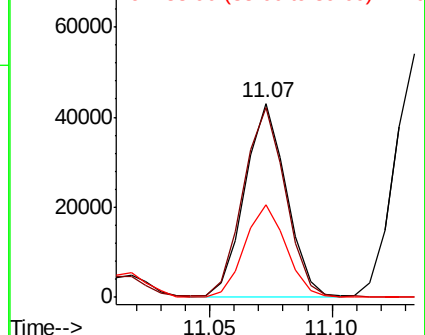
75 100

53 99.7 76.7 115.1

89 47.7 38.5 57.7



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: 53.402 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010945.D

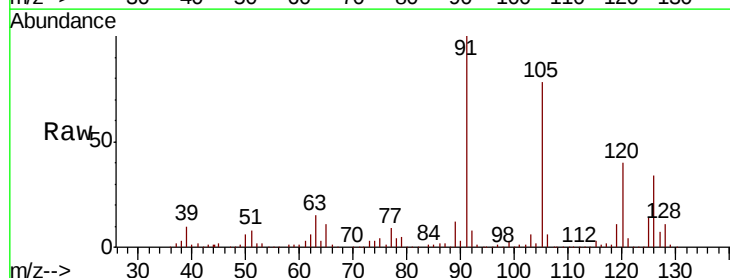
Acq: 17 Jul 2019 18:49

Tgt Ion: 91 Resp: 421237

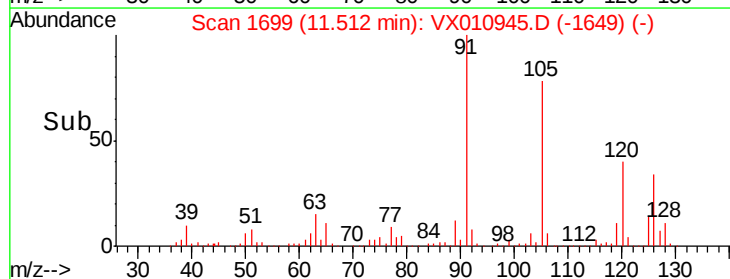
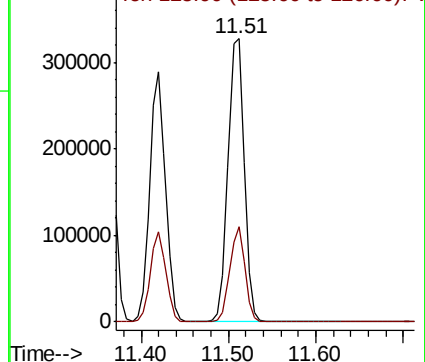
Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

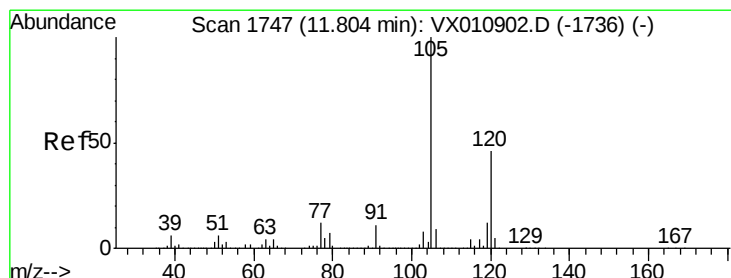
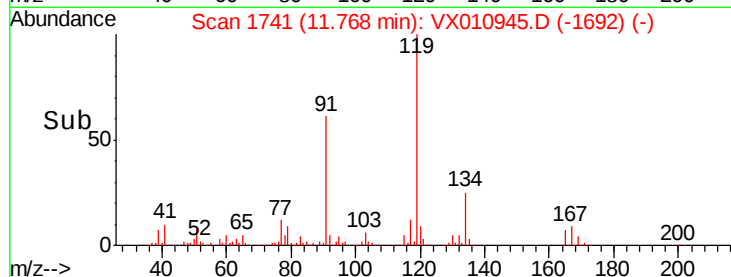
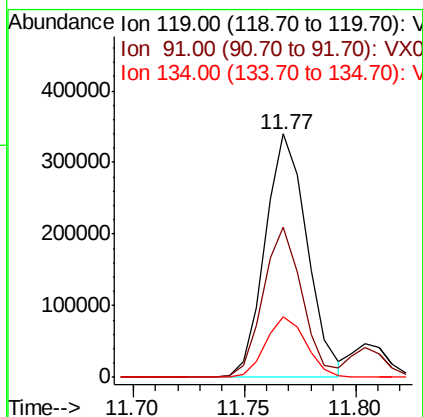
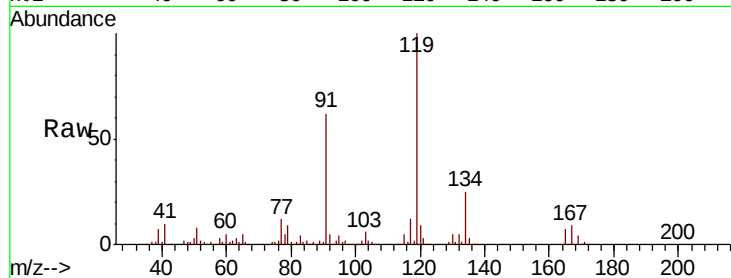




#83
 tert-Butylbenzene
 Concen: 53.152 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

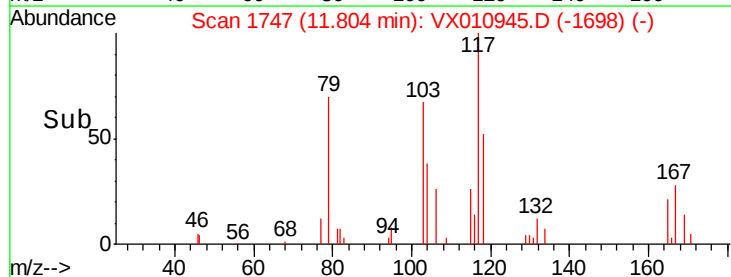
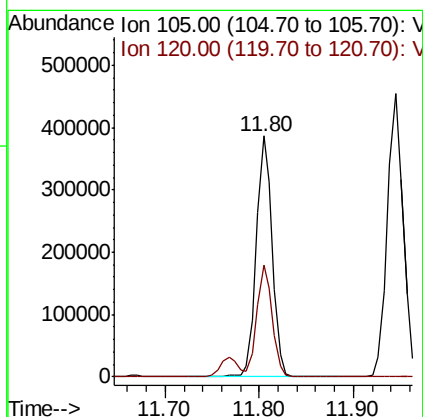
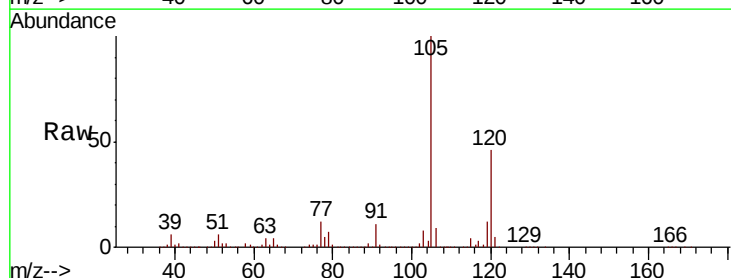
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

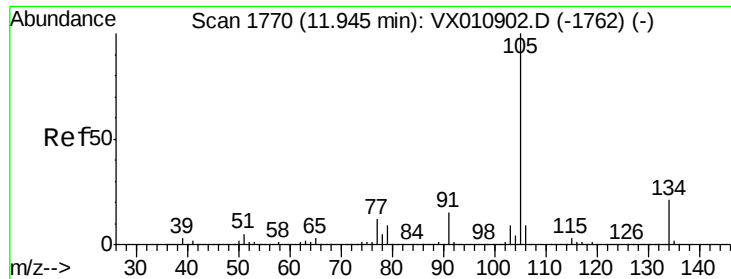
Tot Ion:119 Resp: 445444
 Ion Ratio Lower Upper
 119 100
 91 57.8 28.6 85.8
 134 24.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.759 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion:105 Resp: 462292
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.9 68.5





#85

sec-Butylbenzene

Concen: 54.169 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

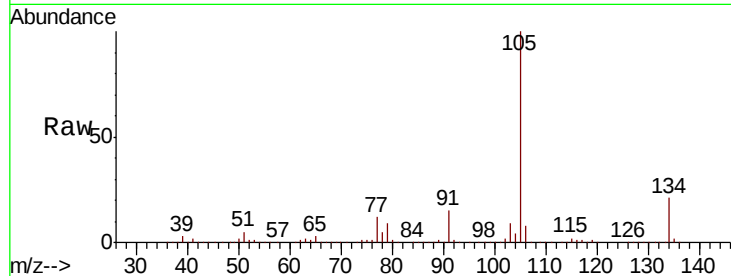
VSTDCCC050EC

Tot Ion:105 Resp: 531928

Ion Ratio Lower Upper

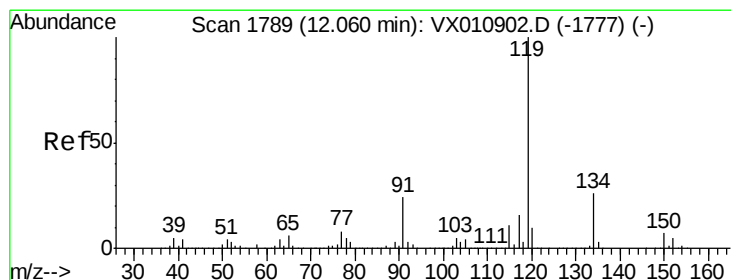
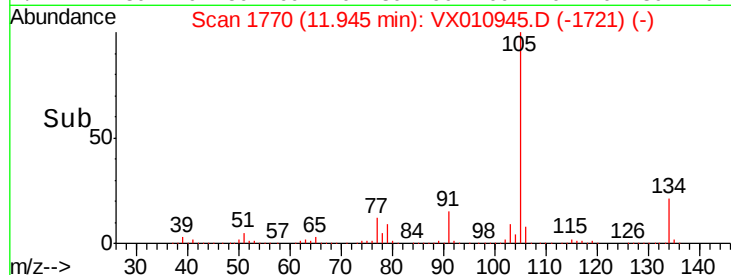
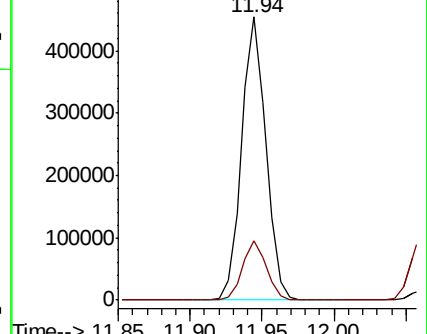
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.244 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

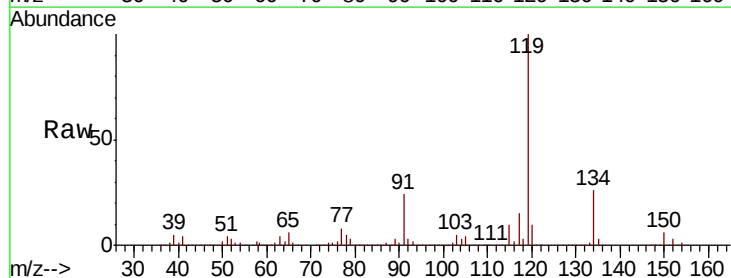
Tgt Ion:119 Resp: 492448

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

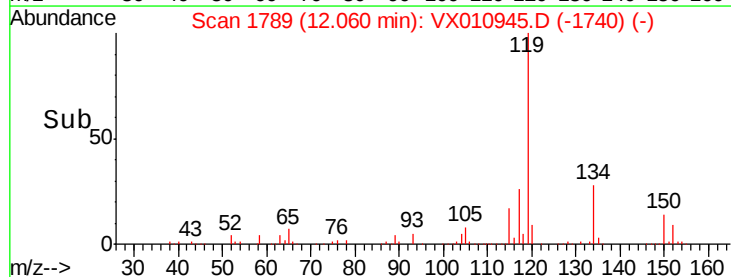
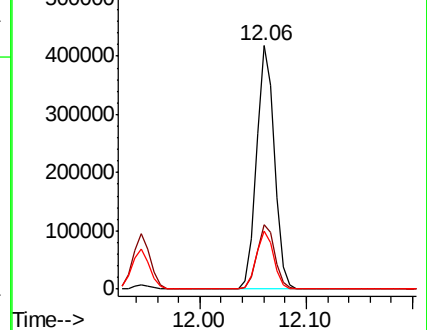
91 23.3 11.8 35.4

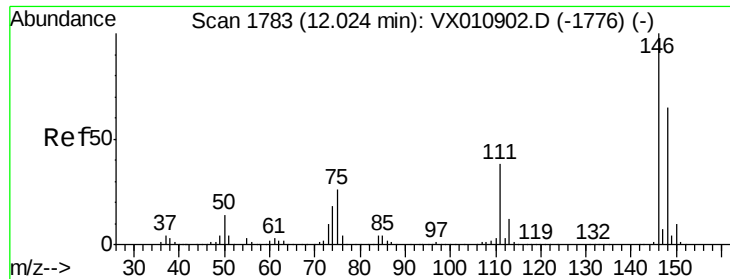


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

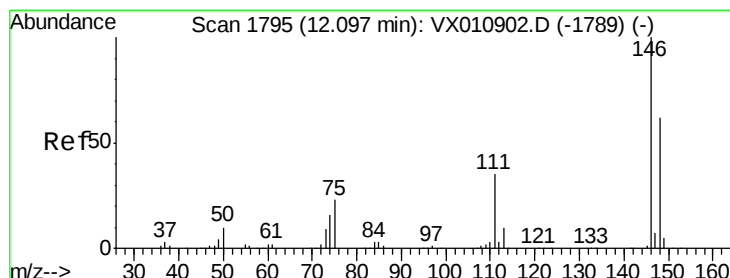
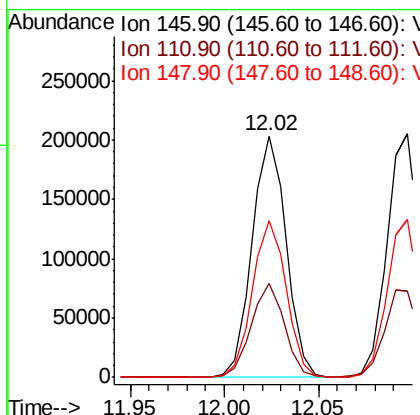
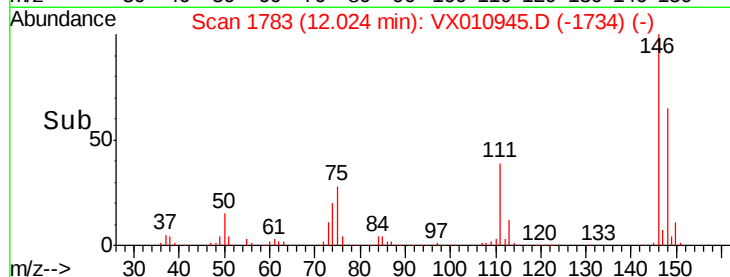
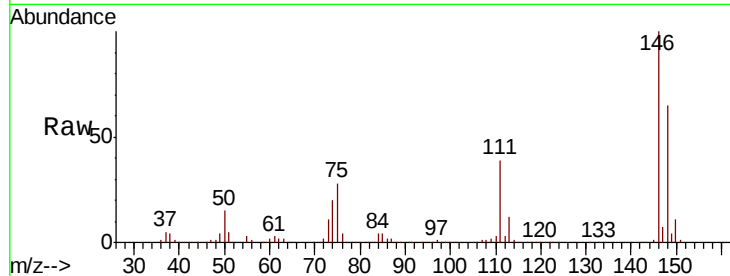




#87
 1,3-Dichlorobenzene
 Concen: 52.085 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

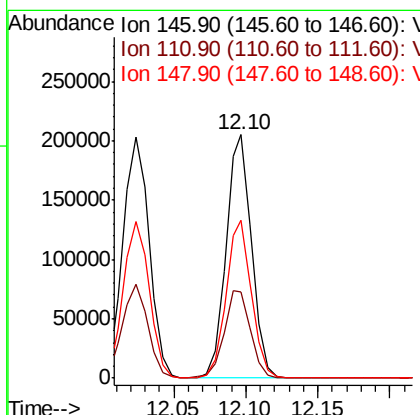
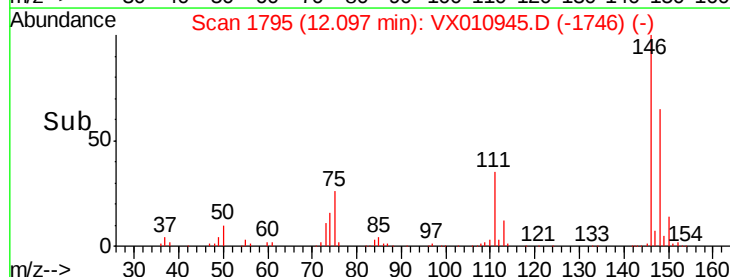
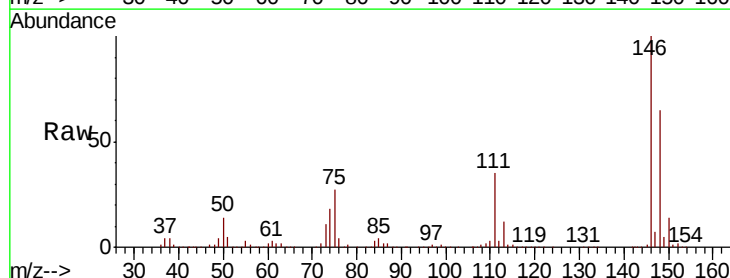
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

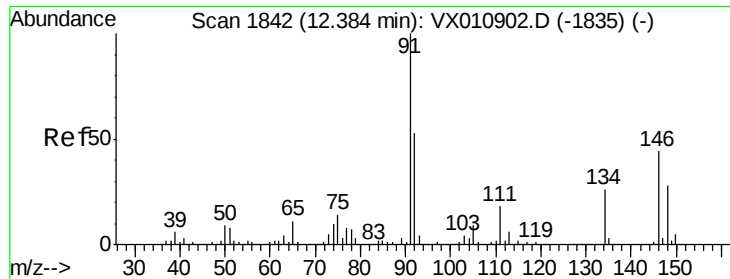
Tot Ion:146 Resp: 254575
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.9
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.728 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion:146 Resp: 254293
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 64.2 31.6 94.7

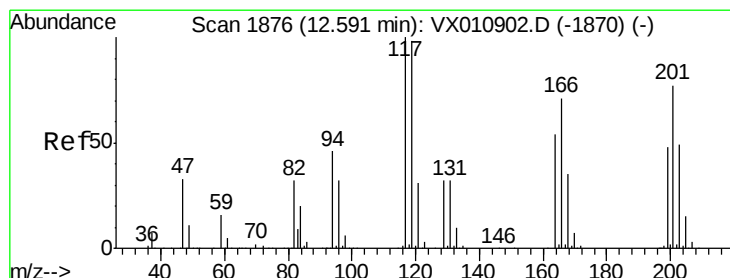
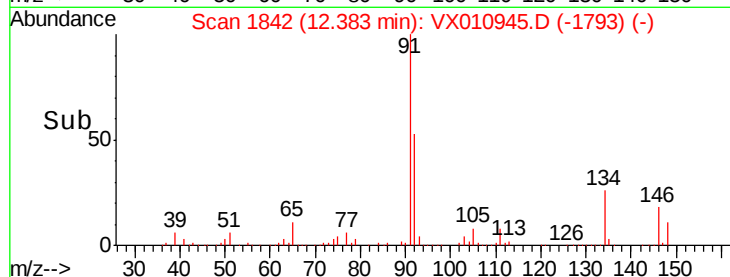
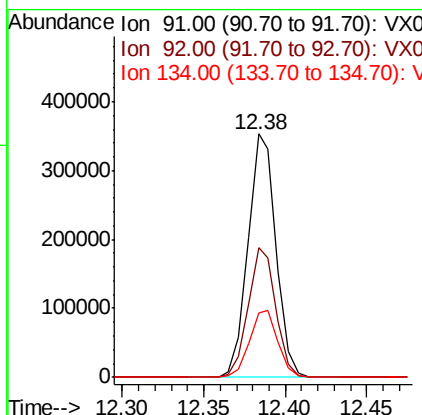
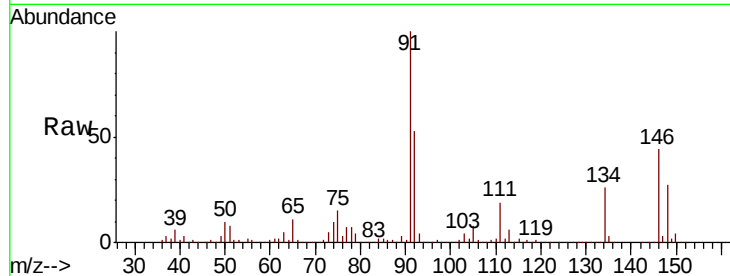




#89
n-Butylbenzene
Concen: 54.476 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

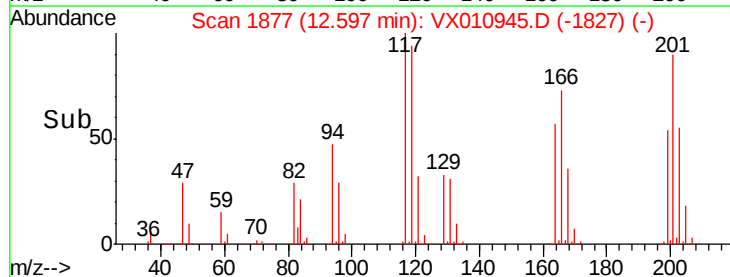
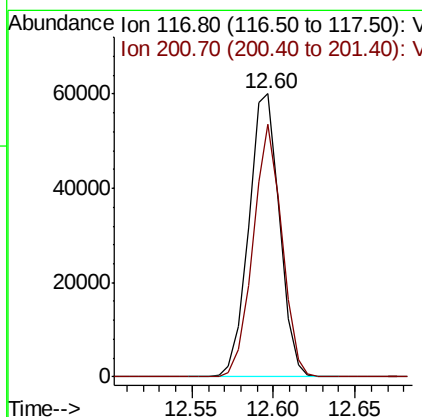
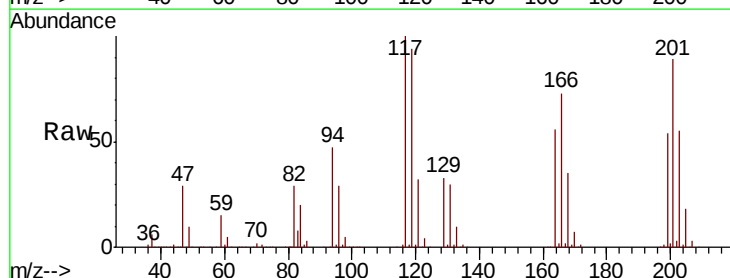
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

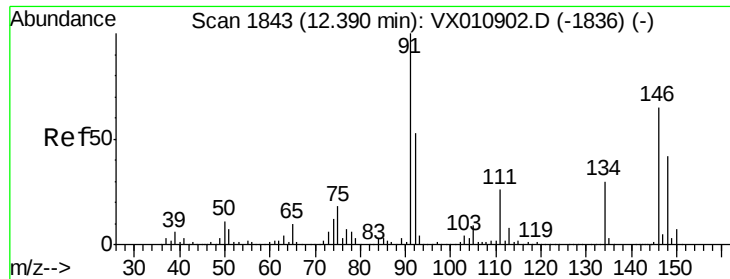
Tot Ion: 91 Resp: 423108
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.5
134 27.7 13.8 41.3



#90
Hexachloroethane
Concen: 55.203 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010945.D
Acq: 17 Jul 2019 18:49

Tgt Ion: 117 Resp: 79045
Ion Ratio Lower Upper
117 100
201 83.5 43.3 129.8





#91

1,2-Dichlorobenzene

Concen: 52.733 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

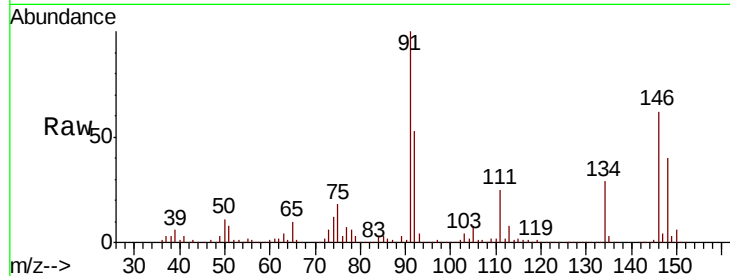
Tot Ion:146 Resp: 255440

Ion Ratio Lower Upper

146 100

111 39.9 19.9 59.7

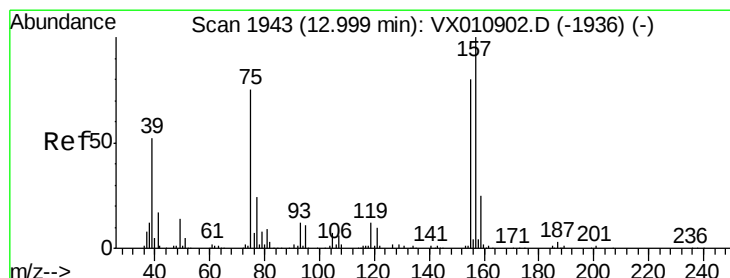
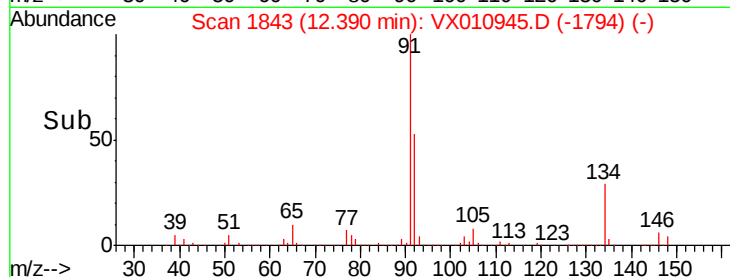
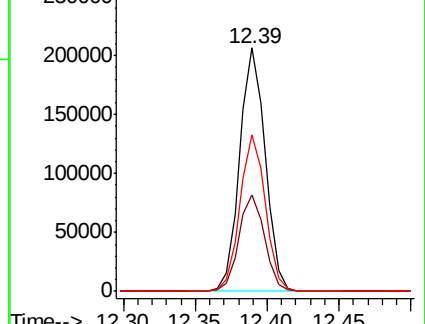
148 63.8 32.0 96.2



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: 54.131 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

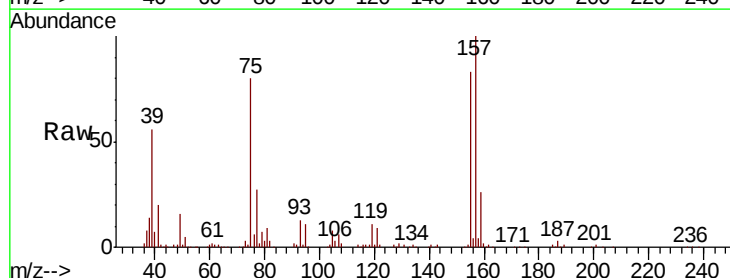
Tgt Ion: 75 Resp: 37809

Ion Ratio Lower Upper

75 100

155 96.0 48.7 146.1

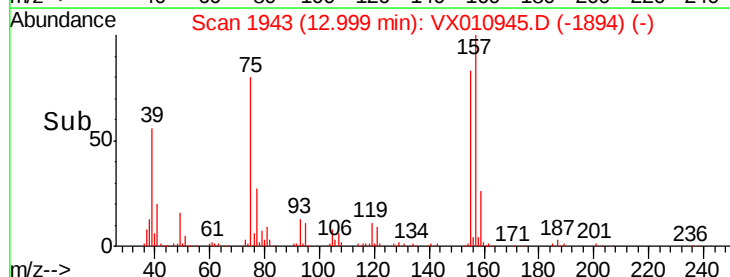
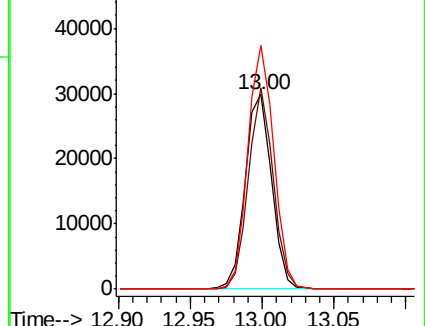
157 122.5 62.5 187.6

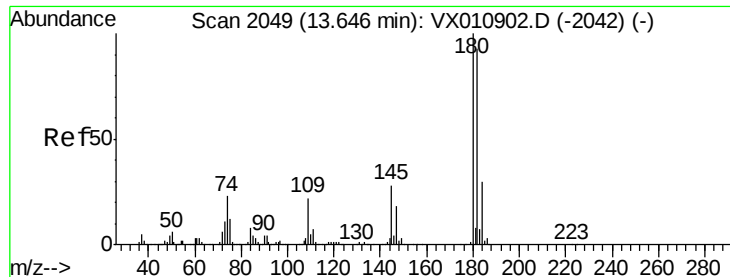


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

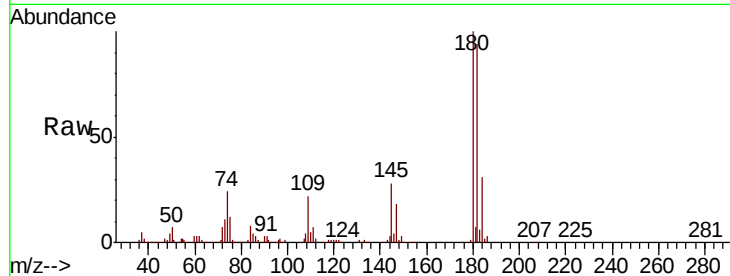




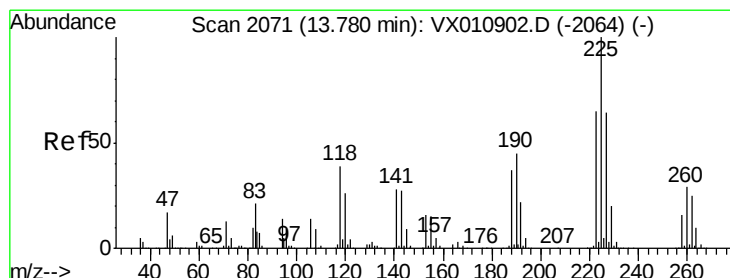
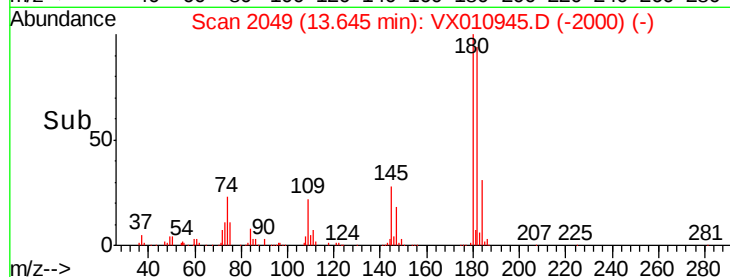
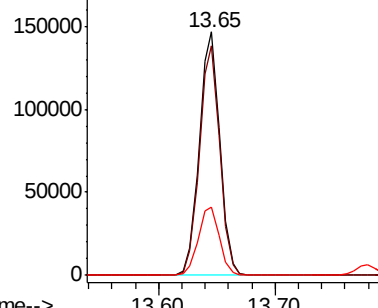
#93
 1,2,4-Trichlorobenzene
 Concen: 54.028 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 177368
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.1 141.3
 145 29.0 14.8 44.4

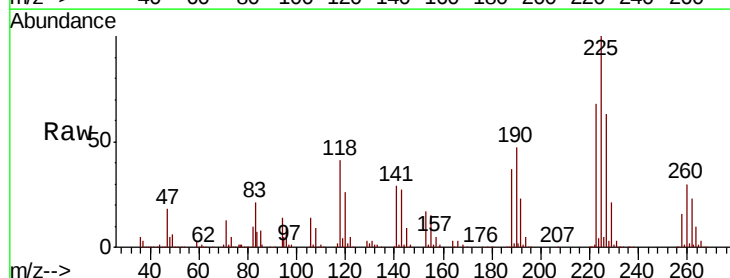


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

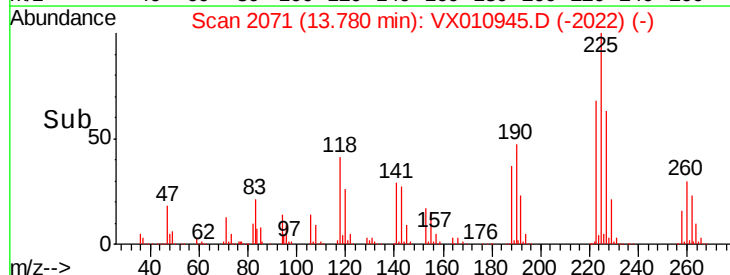
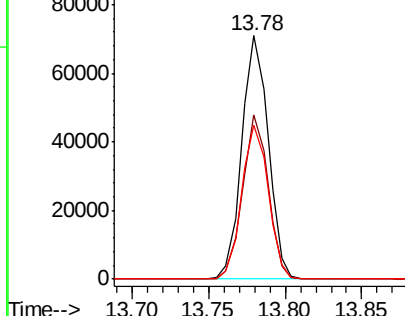


#94
 Hexachlorobutadiene
 Concen: 52.231 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010945.D
 Acq: 17 Jul 2019 18:49

Tgt Ion:225 Resp: 84971
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.9 95.9
 227 63.6 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.604 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

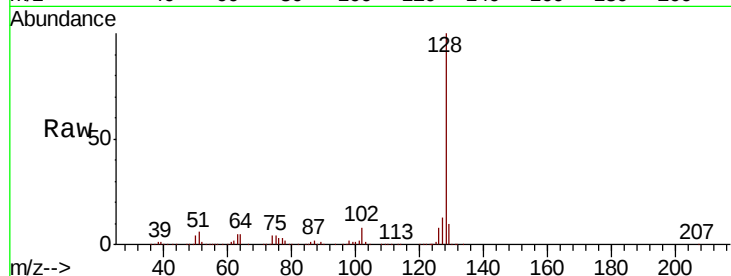
Tot Ion:128 Resp: 539031

Ion Ratio Lower Upper

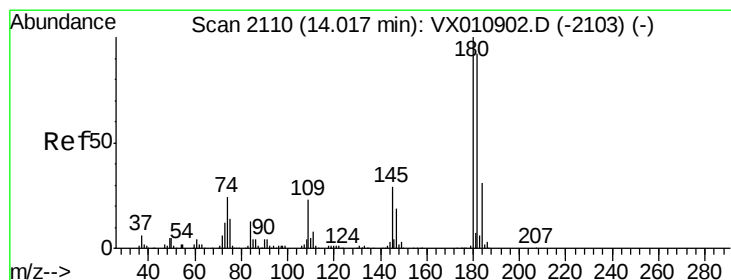
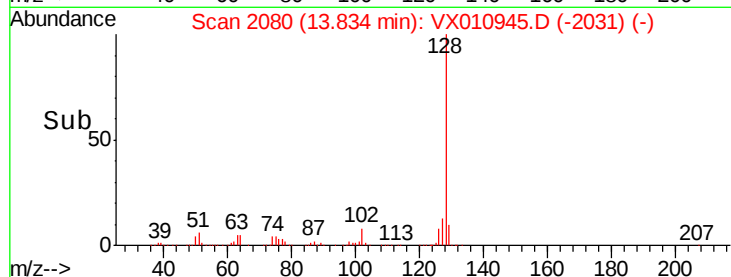
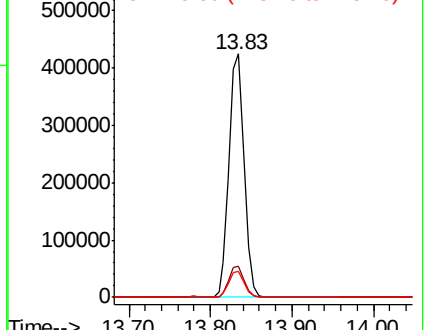
128 100

127 13.0 10.4 15.6

129 10.8 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: 54.018 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010945.D

Acq: 17 Jul 2019 18:49

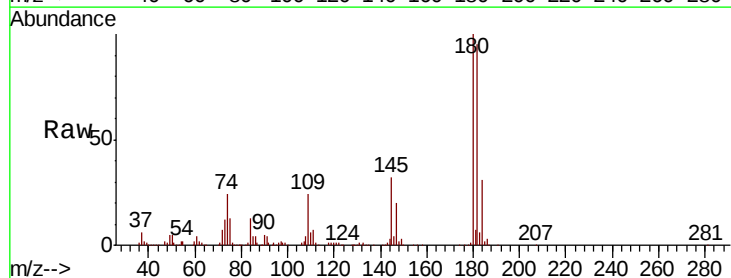
Tgt Ion:180 Resp: 176445

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.3

145 31.3 15.1 45.3



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

