

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009252.D
 Acq On : 01 May 2019 11:53
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: May 02 06:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	32338	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	186332	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	167425	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	78353	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	11.13	95	84632	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	8.71	98	236443	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	84701	49.685	ug/l 99
3) Chloromethane	1.32	50	111072	48.998	ug/l 100
4) Vinyl Chloride	1.41	62	111286	48.683	ug/l 99
5) Bromomethane	1.64	94	66114	50.991	ug/l 97
6) Chloroethane	1.71	64	72650	47.370	ug/l 99
7) Trichlorofluoromethane	1.92	101	137648	49.493	ug/l 100
8) Diethyl Ether	2.18	74	63227	48.921	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	85545	49.135	ug/l 100
10) 1,1-Dichloroethene	2.37	96	85976	49.167	ug/l 98
11) Methyl Iodide	2.51	142	101932	57.799	ug/l 99
12) Methyl Acetate	2.78	43	155513	48.679	ug/l 98
13) Acrolein	2.29	56	103447	247.744	ug/l 99
14) Acrylonitrile	3.14	53	350785	248.704	ug/l 100
15) Acetone	2.45	58	100696	240.316	ug/l 98
16) Carbon Disulfide	2.57	76	234550	50.010	ug/l 100
17) Allyl chloride	2.73	41	206918	50.190	ug/l 98
18) Methylene Chloride	2.85	84	103420	49.635	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	92828	50.347	ug/l 99
20) Diisopropyl ether	3.85	45	404008	49.273	ug/l 98
21) 1,1-Dichloroethane	3.70	63	195130	49.731	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	109717	49.381	ug/l 99
23) tert-Butyl Alcohol	3.05	59	147280	256.182	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	336284	50.464	ug/l 99
25) Chloroform	5.21	83	178732	49.284	ug/l 99
26) Cyclohexane	5.58	56	184166	49.260	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	137865	50.941	ug/l 99
30) 2-Butanone	4.67	43	535050	252.590	ug/l 100
31) 2,2-Dichloropropane	4.58	77	151255	51.203	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	149360	52.543	ug/l 97
33) Carbon Tetrachloride	5.78	117	123882	51.263	ug/l 99
34) Benzene	6.14	78	422422	50.342	ug/l 99
35) Methacrylonitrile	5.04	41	113221	50.999	ug/l 95
36) 1,2-Dichloroethane	6.19	62	151429	50.095	ug/l 99
37) Trichloroethene	7.21	130	100468	51.114	ug/l 93
38) Methylcyclohexane	7.46	83	170270	51.468	ug/l 99
39) 1,2-Dichloropropane	7.51	63	119422	50.693	ug/l 98
40) Dibromomethane	7.66	93	67988	50.668	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	139672	51.981	ug/l	97
42) Vinyl Acetate	3.81	43	1788764	254.775	ug/l	100
43) Ethyl Acetate	4.83	43	193476	49.370	ug/l	99
44) Isopropyl Acetate	6.45	43	310155	51.437	ug/l	100
45) 1,4-Dioxane	7.74	88	61845	1031.710	ug/l	100
46) Methyl methacrylate	7.77	41	155829	51.122	ug/l	97
47) n-amyl Acetate	10.90	43	285705	53.065	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	165106	53.735	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	179478	52.468	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	103262	50.129	ug/l	97
51) Ethyl methacrylate	9.18	69	190917	51.033	ug/l	99
52) 1,3-Dichloropropane	9.37	76	183004	50.012	ug/l	99
53) Dibromochloromethane	9.58	129	104942	52.986	ug/l	100
54) 1,2-Dibromoethane	9.67	107	107054	51.153	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	519708	246.601	ug/l	100
56) Bromoform	10.85	173	78986	53.664	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	1011123	246.981	ug/l	100
59) 2-Hexanone	9.49	43	803231	248.767	ug/l	99
61) Tetrachloroethene	9.34	164	92822	50.346	ug/l	97
62) Toluene	8.79	91	442673	49.221	ug/l	99
64) Chlorobenzene	10.13	112	263444	49.653	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	96874	50.452	ug/l	99
66) Ethyl Benzene	10.25	91	494319	49.821	ug/l	98
67) m/p-Xylenes	10.36	106	363145	100.508	ug/l	99
68) o-Xylene	10.69	106	176091	50.131	ug/l	100
69) Styrene	10.71	104	311833	50.529	ug/l	100
70) Isopropylbenzene	11.02	105	477570	49.888	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	176498	51.289	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	209435	69.005	ug/l	83
73) Bromobenzene	11.26	156	116053	49.277	ug/l	99
74) n-propylbenzene	11.36	91	555606	50.547	ug/l	100
75) 2-Chlorotoluene	11.42	91	328364	49.610	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	402775	50.103	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	60594	54.102	ug/l	98
78) 4-Chlorotoluene	11.51	91	372689	50.303	ug/l	99
79) tert-butylbenzene	11.77	119	387704	49.928	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	405448	50.505	ug/l	99
81) sec-Butylbenzene	11.94	105	465736	50.635	ug/l	100
82) p-Isopropyltoluene	12.06	119	425227	50.949	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	207126	50.728	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	206869	51.437	ug/l	100
85) n-Butylbenzene	12.38	91	389640	52.600	ug/l	100
86) Hexachloroethane	12.59	117	70488	49.749	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	209792	50.277	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	42392	53.365	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	154808	54.181	ug/l	100
90) Hexachlorobutadiene	13.78	225	78178	53.973	ug/l	97
91) Naphthalene	13.83	128	509771	52.085	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	155912	51.870	ug/l	99

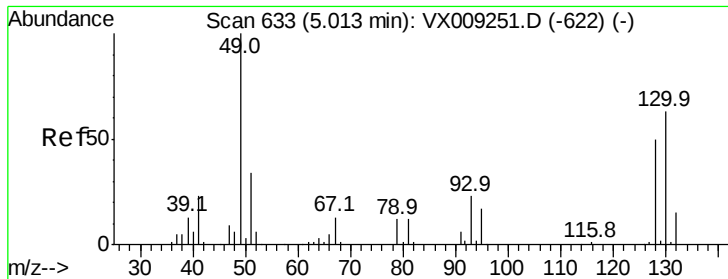
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

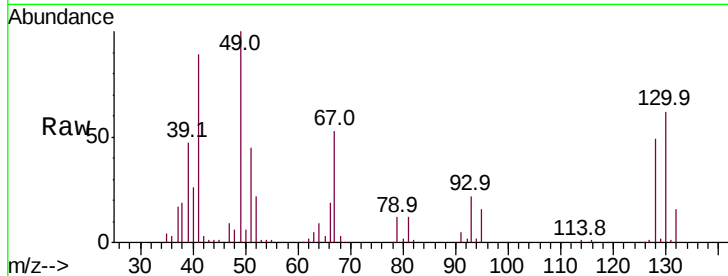
Tot Ion:128 Resp: 32338

Ion Ratio Lower Upper

128 100

49 204.4 0.0 515.0

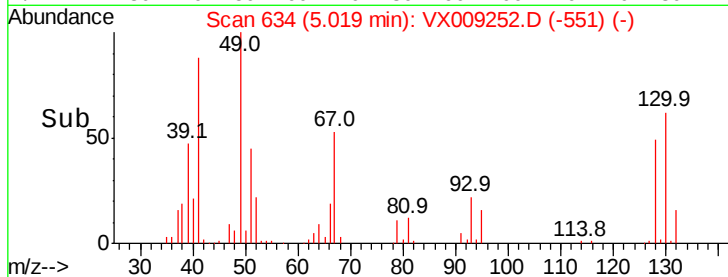
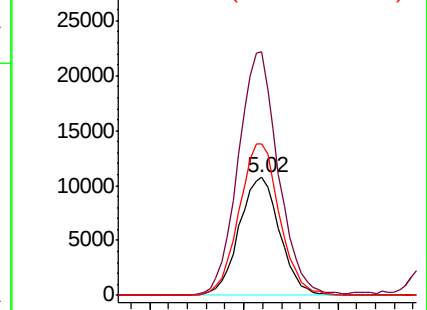
130 128.7 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 49.685 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009252.D

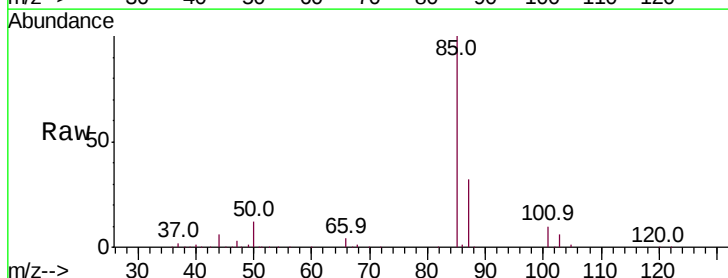
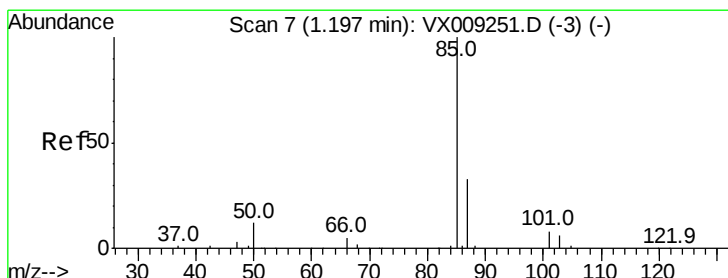
Acq: 01 May 2019 11:53

Tgt Ion: 85 Resp: 84701

Ion Ratio Lower Upper

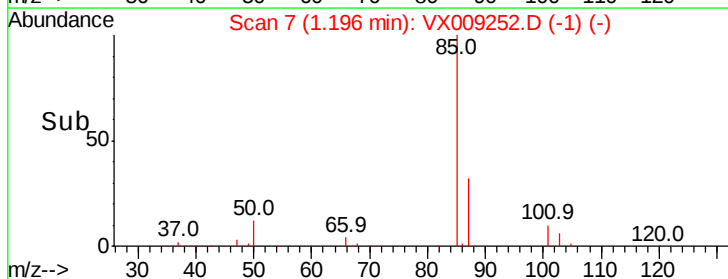
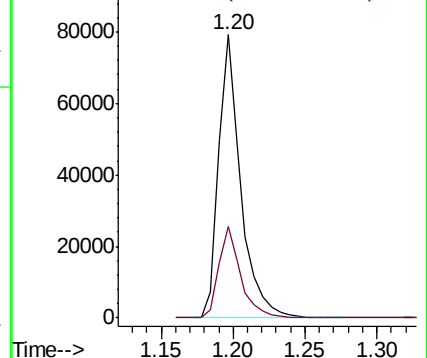
85 100

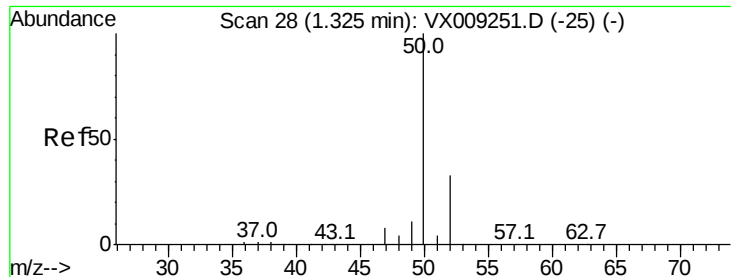
87 32.2 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 48.998 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

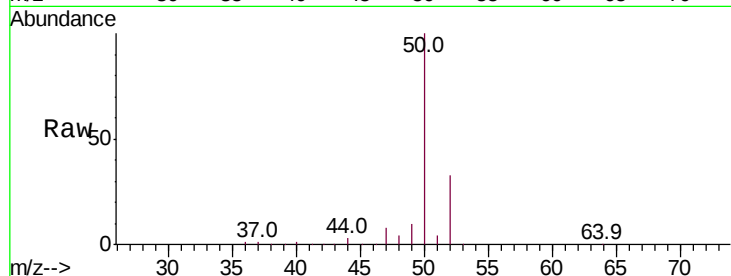
VSTDIC050

Tot Ion: 50 Resp: 111072

Ion Ratio Lower Upper

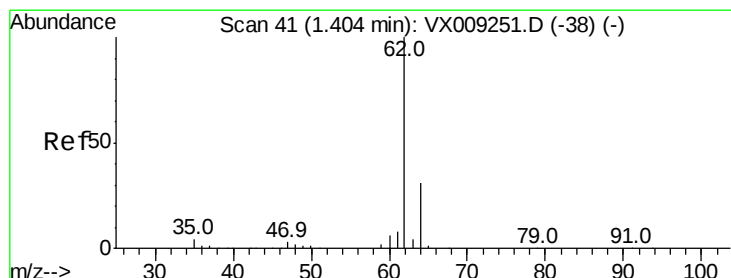
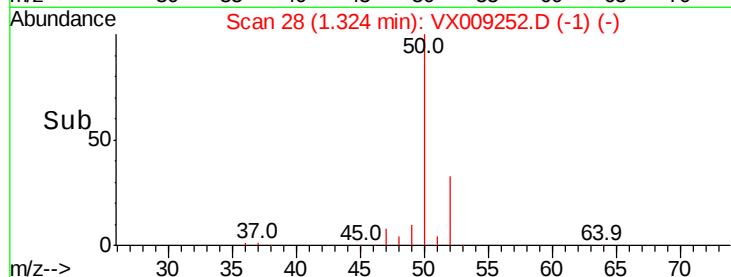
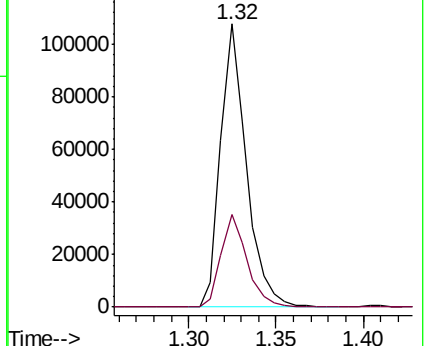
50 100

52 32.9 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 48.683 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009252.D

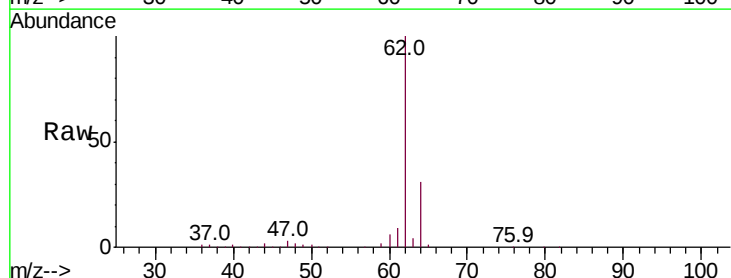
Acq: 01 May 2019 11:53

Tgt Ion: 62 Resp: 111286

Ion Ratio Lower Upper

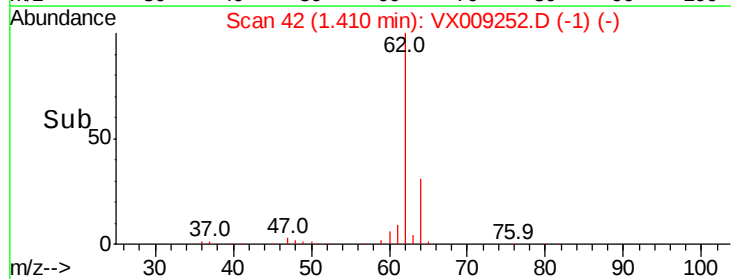
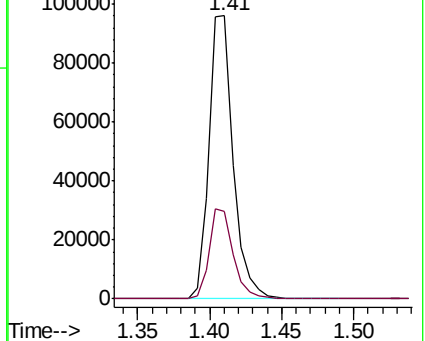
62 100

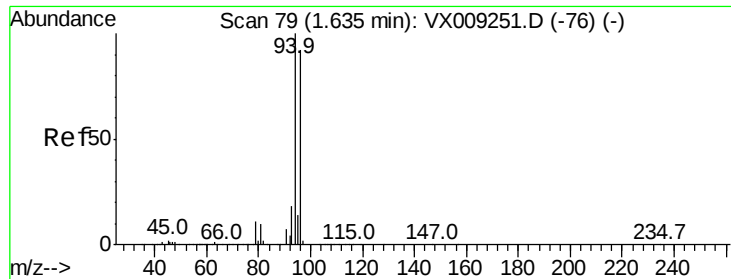
64 31.1 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 50.991 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

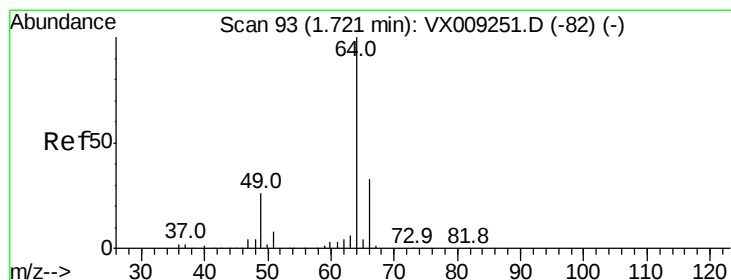
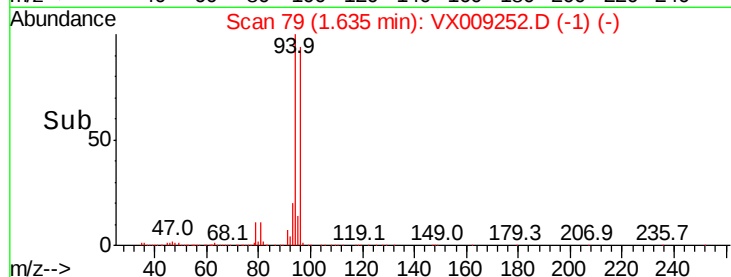
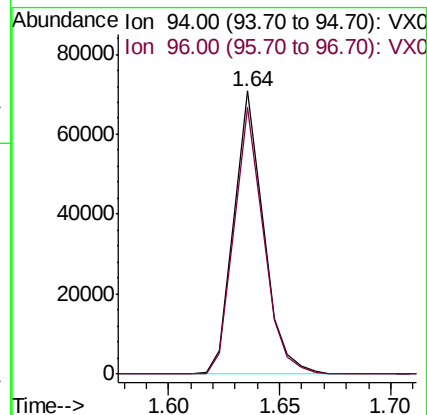
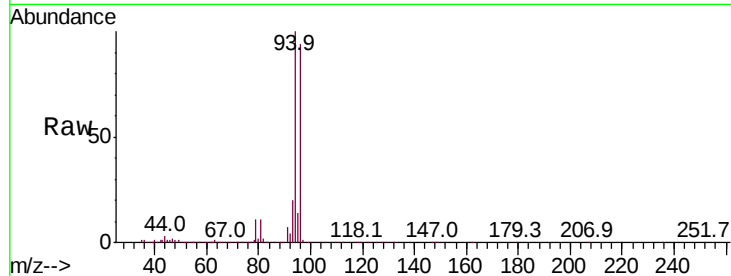
VSTDIC050

Tot Ion: 94 Resp: 66114

Ion Ratio Lower Upper

94 100

96 94.4 73.5 110.3



#6

Chloroethane

Concen: 47.370 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009252.D

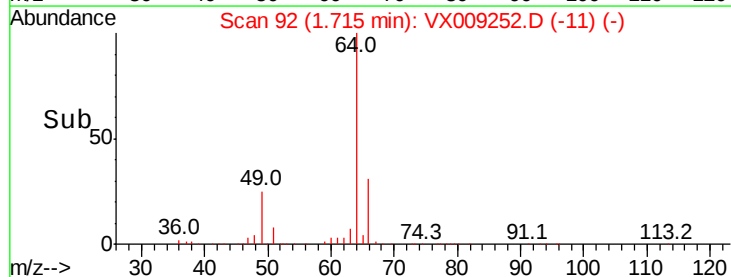
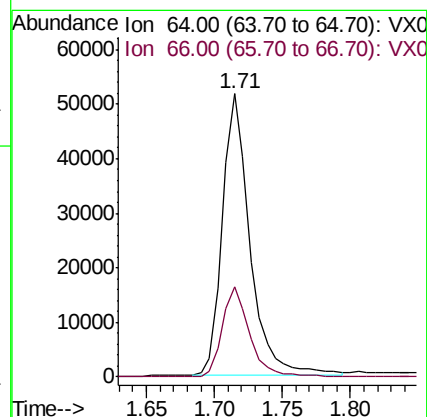
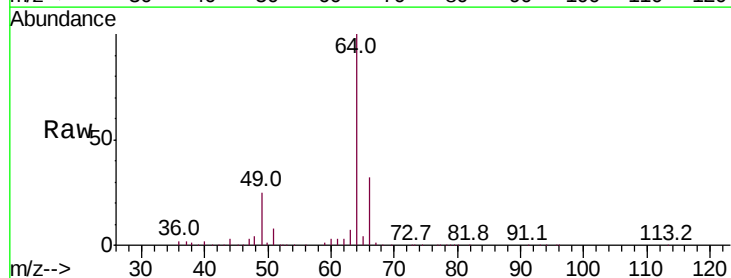
Acq: 01 May 2019 11:53

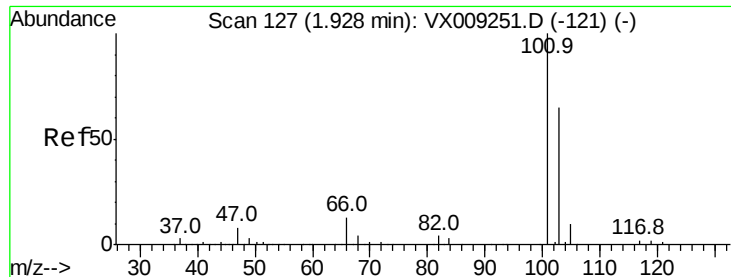
Tgt Ion: 64 Resp: 72650

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9



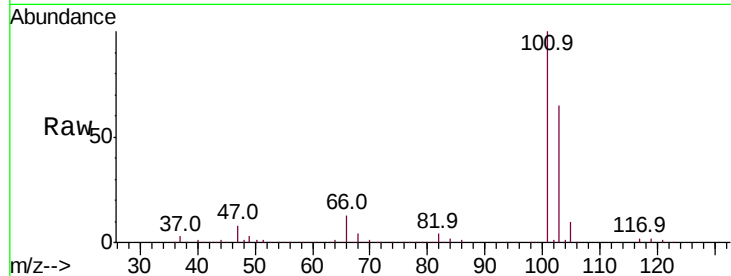


#7

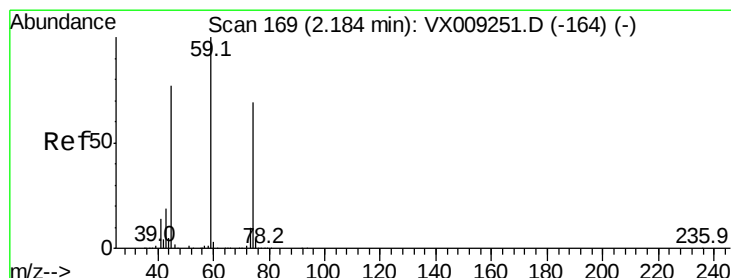
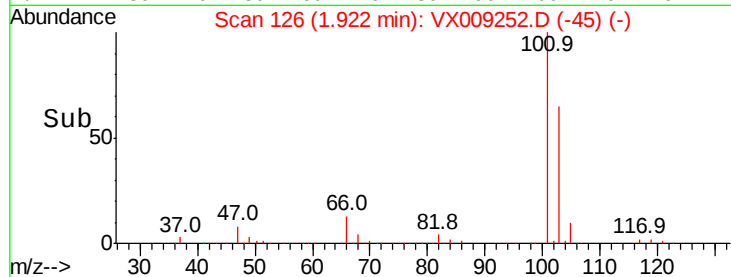
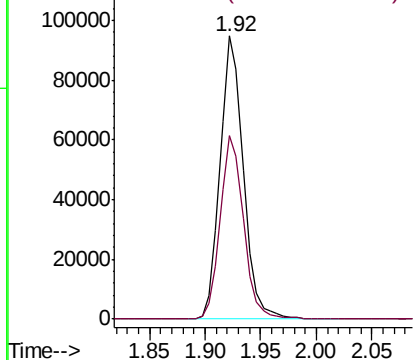
Trichlorofluoromethane
 Concen: 49.493 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:101 Resp: 137648
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.9 77.9



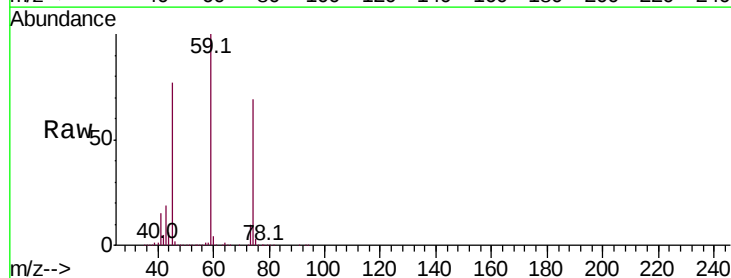
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



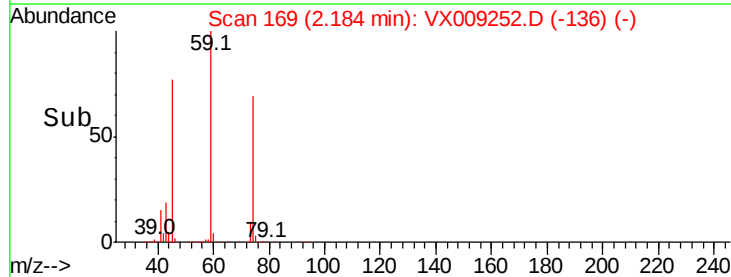
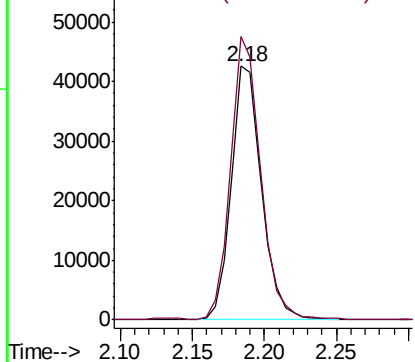
#8

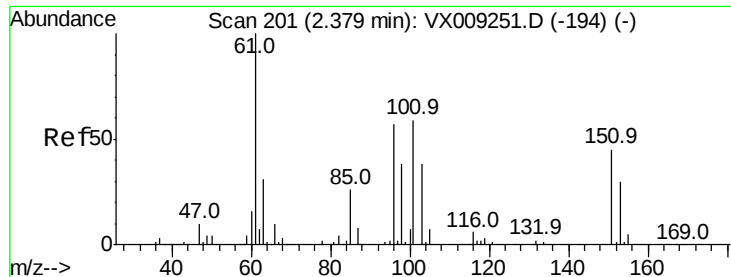
Diethyl Ether
 Concen: 48.921 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion: 74 Resp: 63227
 Ion Ratio Lower Upper
 74 100
 45 109.9 21.5 193.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.135 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

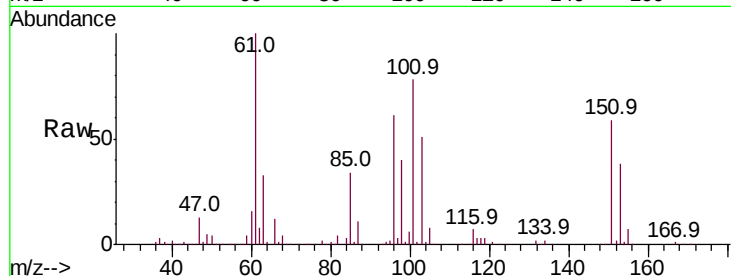
Tot Ion:101 Resp: 85545

Ion Ratio Lower Upper

101 100

85 44.4 0.0 87.4

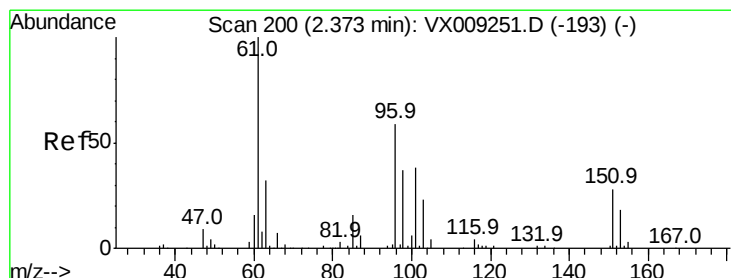
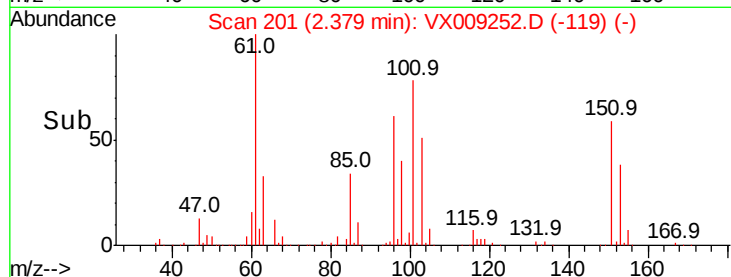
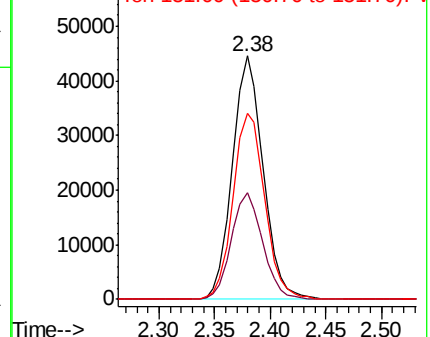
151 78.5 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.167 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

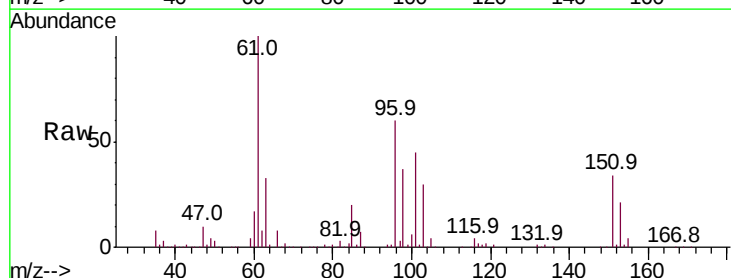
Tgt Ion: 96 Resp: 85976

Ion Ratio Lower Upper

96 100

61 167.3 136.5 204.7

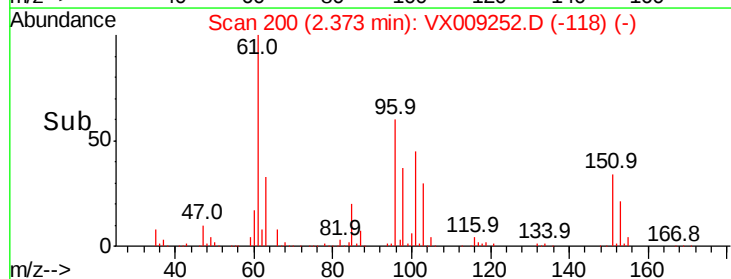
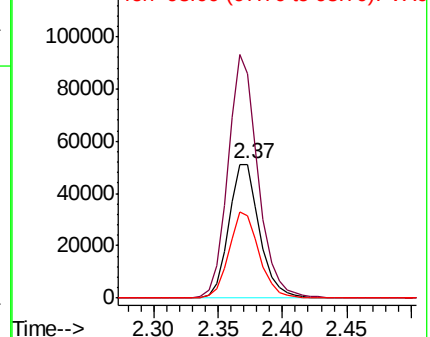
98 62.0 51.0 76.4

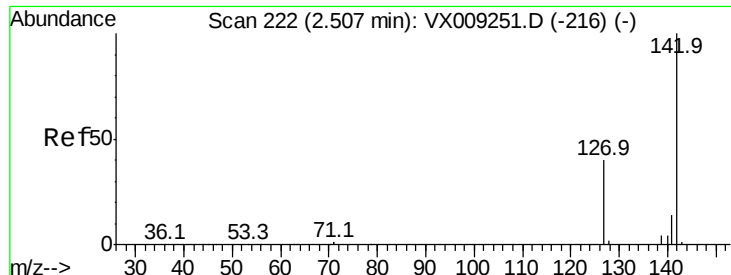


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

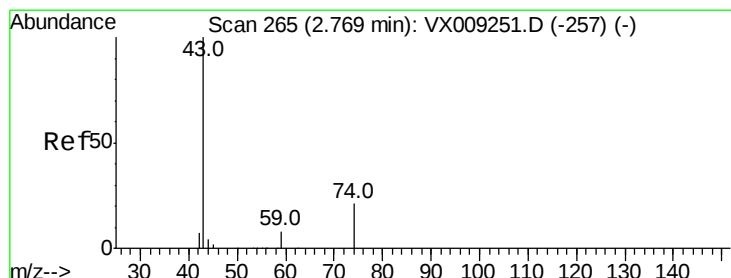
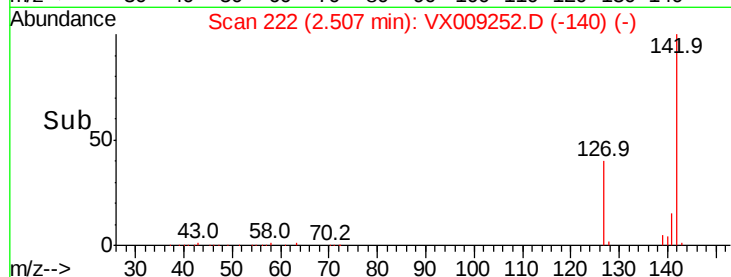
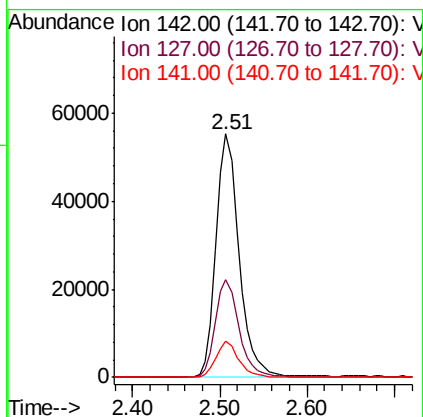
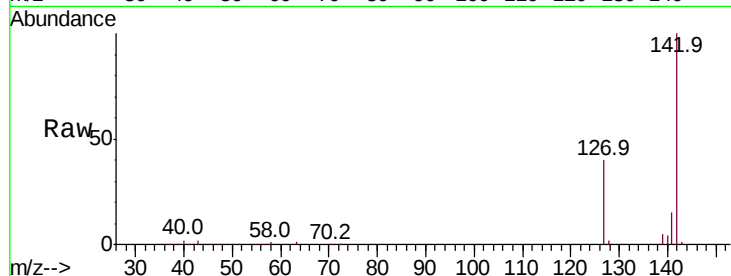




#11
Methvl Iodide
Concen: 57.799 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

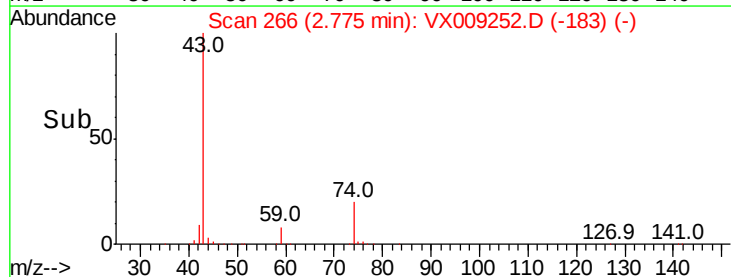
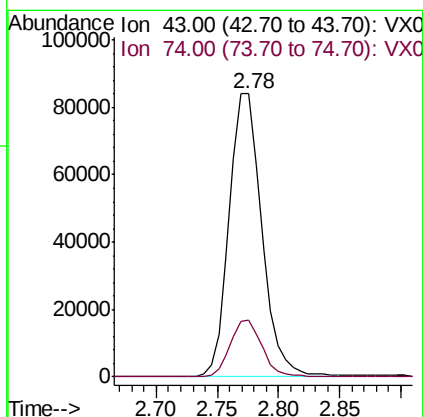
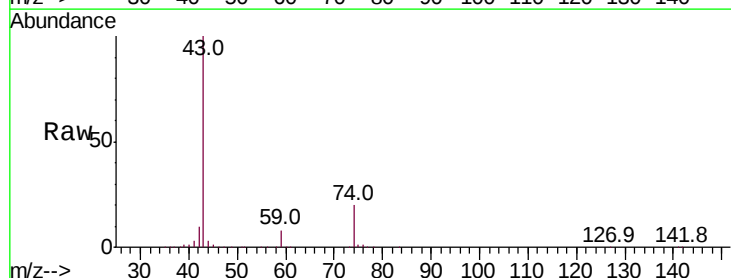
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

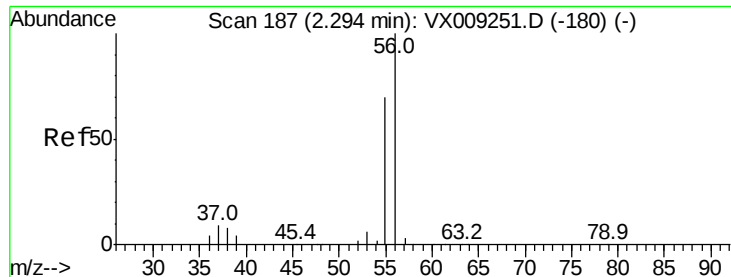
Tot Ion:142 Resp: 101932
Ion Ratio Lower Upper
142 100
127 40.3 20.2 60.5
141 14.7 6.9 20.7



#12
Methyl Acetate
Concen: 48.679 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion: 43 Resp: 155513
Ion Ratio Lower Upper
43 100
74 19.8 16.5 24.7





#13

Acrolein

Concen: 247.744 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

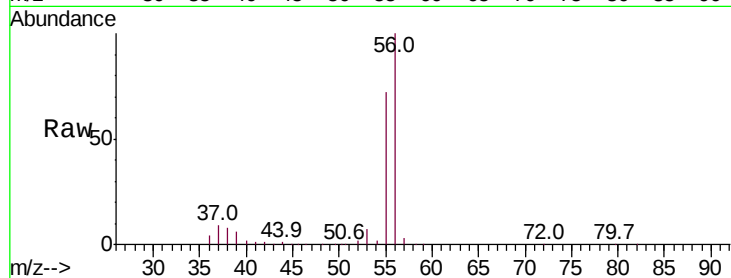
VSTDIC050

Tot Ion: 56 Resp: 103447

Ion Ratio Lower Upper

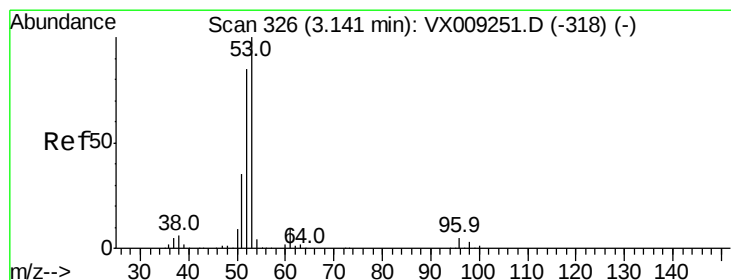
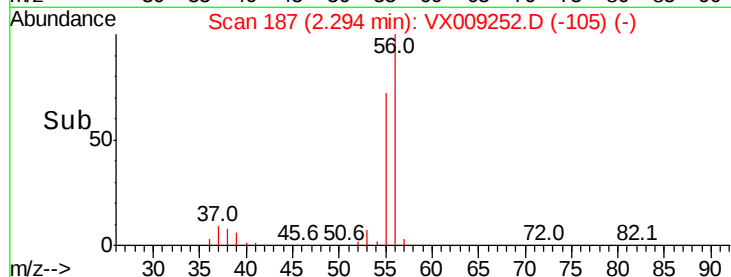
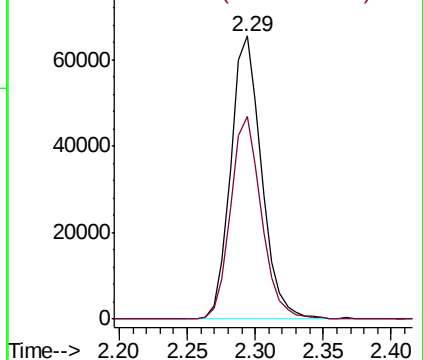
56 100

55 72.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 248.704 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

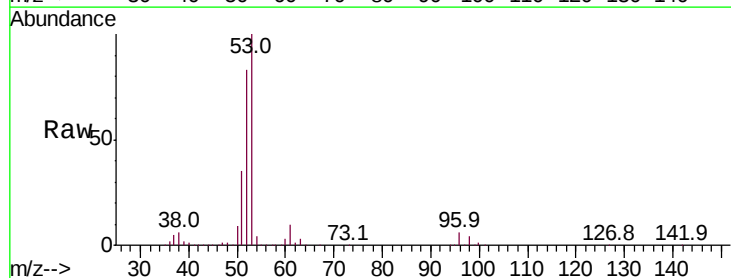
Tgt Ion: 53 Resp: 350785

Ion Ratio Lower Upper

53 100

52 82.9 41.5 124.5

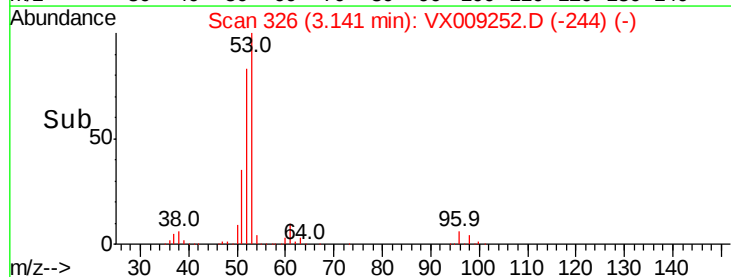
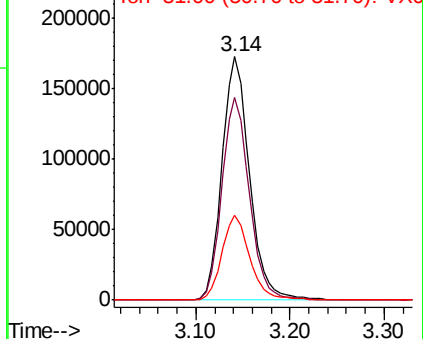
51 35.2 17.8 53.3

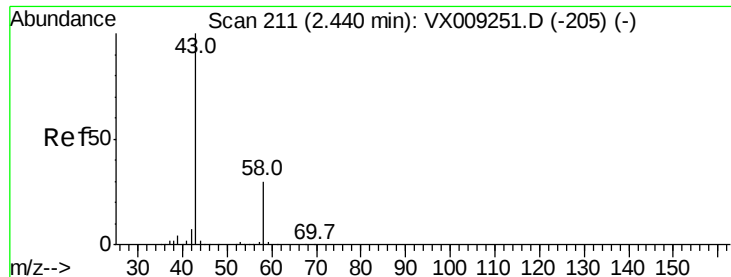


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 240.316 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

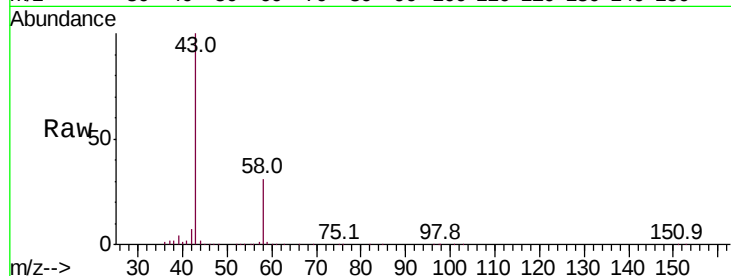
VSTDIC050

Tot Ion: 58 Resp: 100696

Ion Ratio Lower Upper

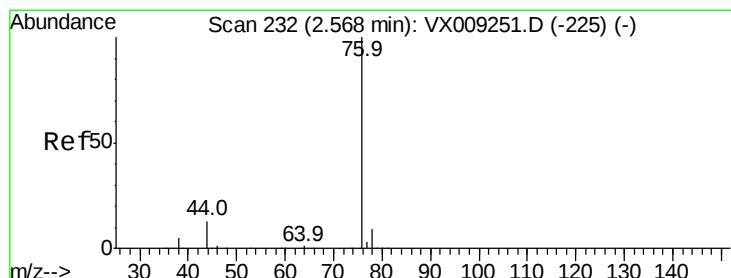
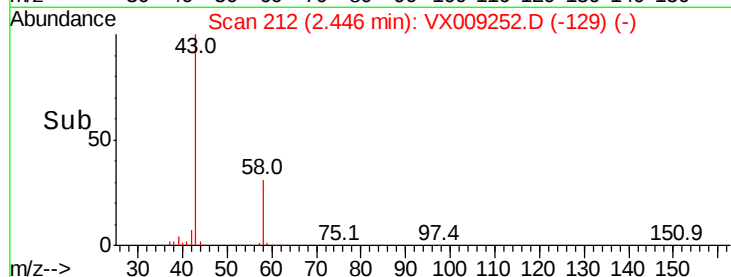
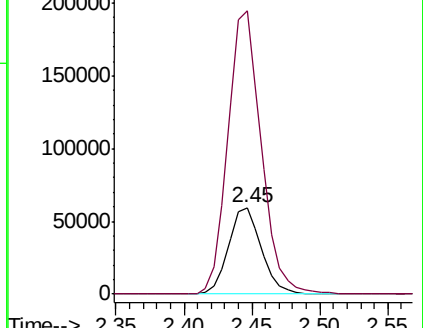
58 100

43 325.9 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 50.010 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009252.D

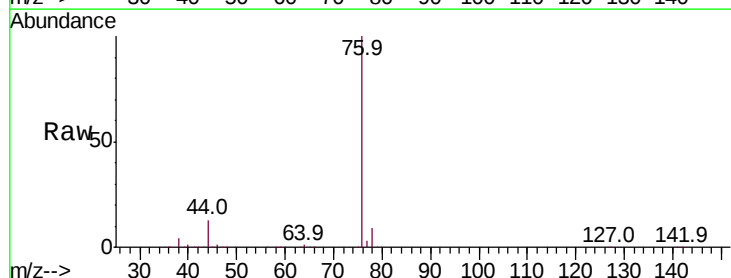
Acq: 01 May 2019 11:53

Tgt Ion: 76 Resp: 234550

Ion Ratio Lower Upper

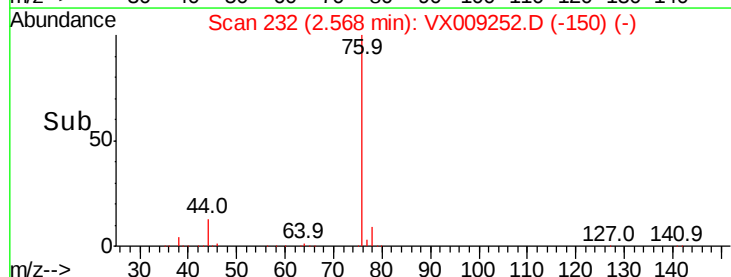
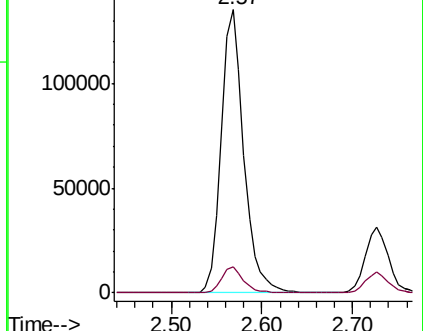
76 100

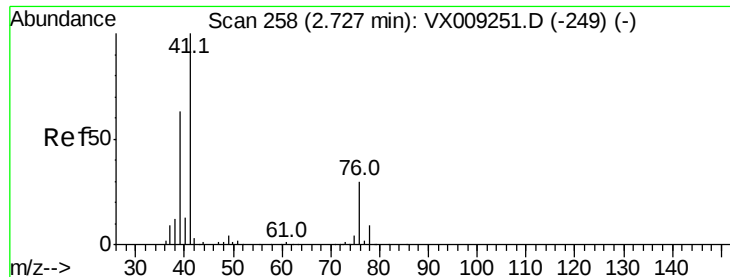
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

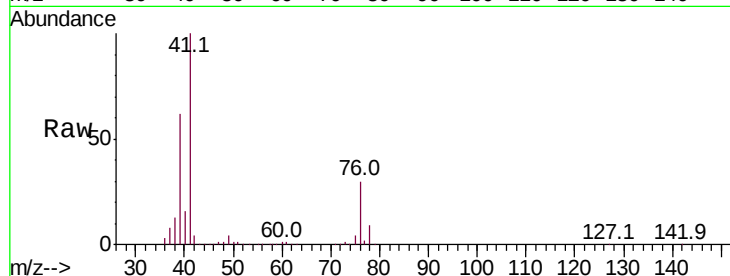




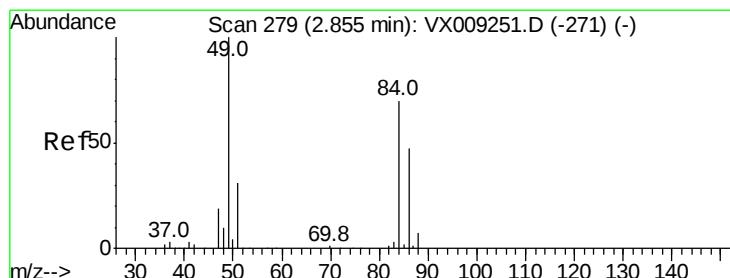
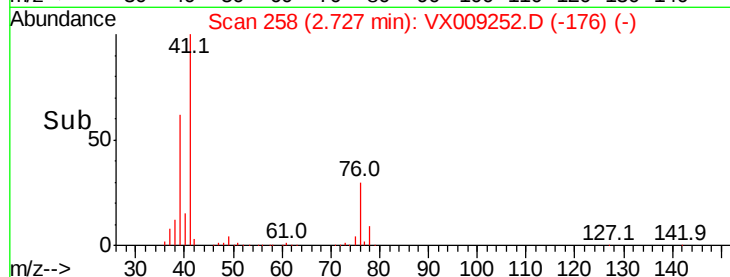
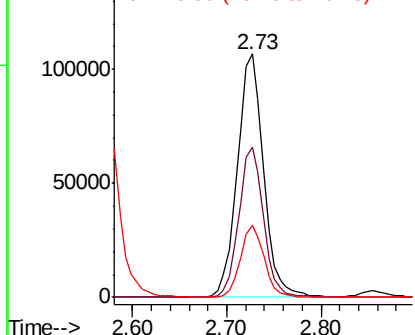
#17
Allvl chloride
Concen: 50.190 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 41 Resp: 206918
Ion Ratio Lower Upper
41 100
39 61.7 31.6 94.7
76 29.5 15.1 45.3

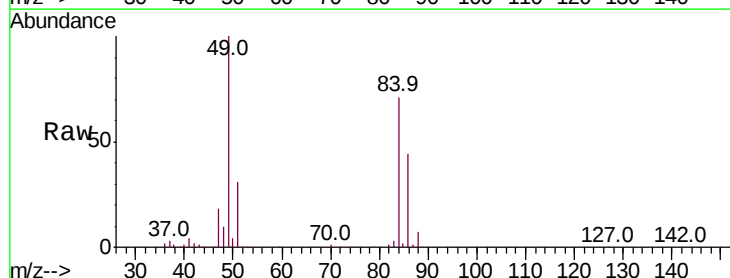


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 76.00 (75.70 to 76.70): VX0

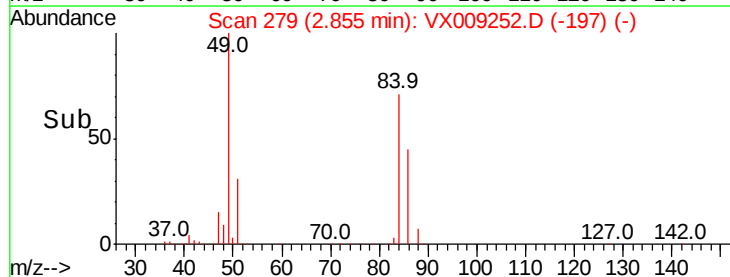
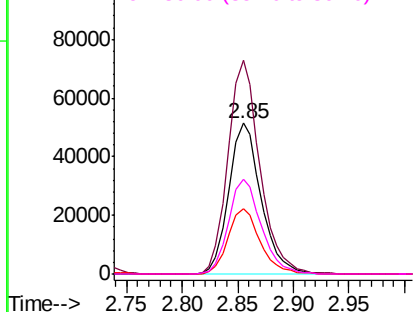


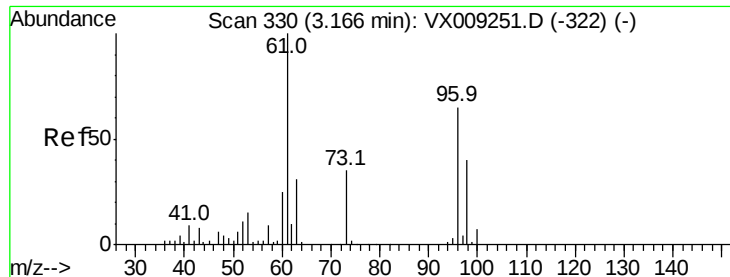
#18
Methylene Chloride
Concen: 49.635 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion: 84 Resp: 103420
Ion Ratio Lower Upper
84 100
49 141.4 114.6 171.8
51 43.2 35.5 53.3
86 62.6 53.4 80.2



Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 50.347 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

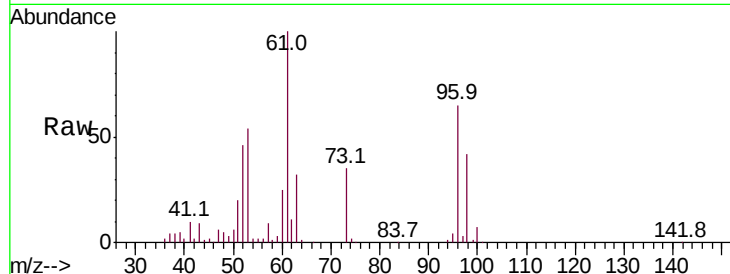
Tot Ion: 96 Resp: 92828

Ion Ratio Lower Upper

96 100

61 154.4 122.7 184.1

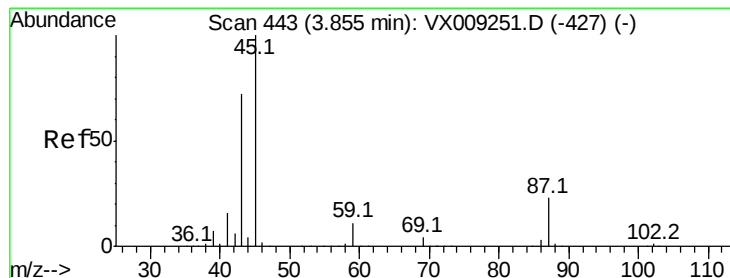
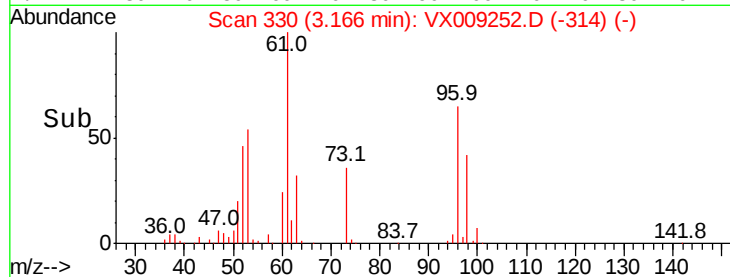
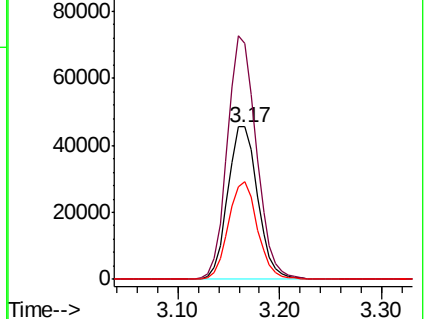
98 64.1 49.5 74.3



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 49.273 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Tgt Ion: 45 Resp: 404008

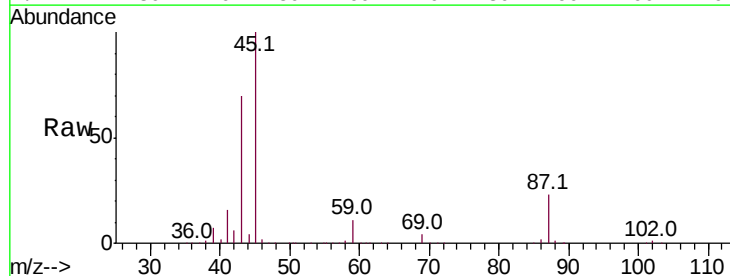
Ion Ratio Lower Upper

45 100

43 70.2 57.7 86.5

87 22.5 18.5 27.7

59 10.8 8.8 13.2

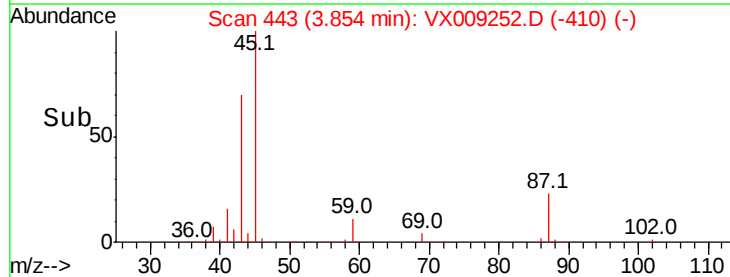
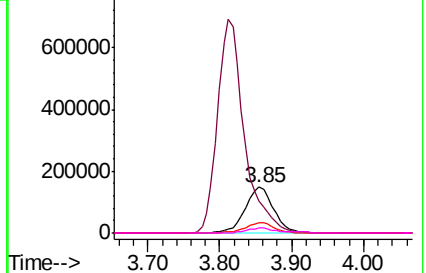


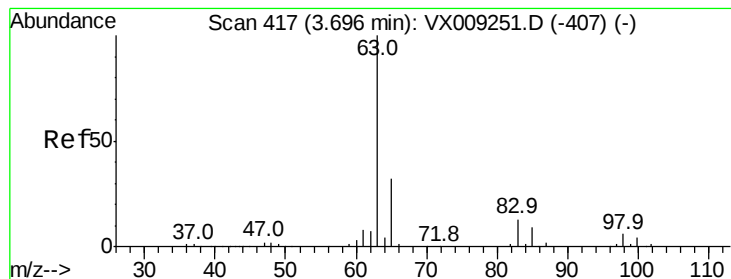
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 49.731 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

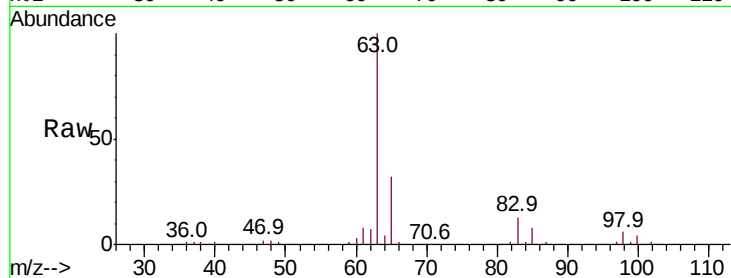
Tot Ion: 63 Resp: 195130

Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.3

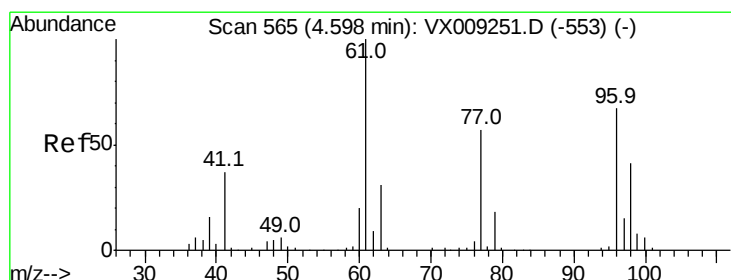
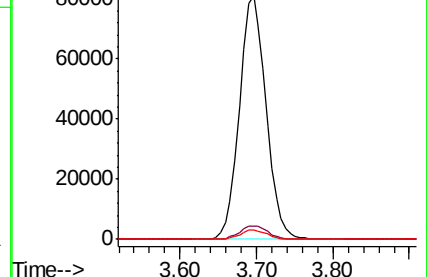
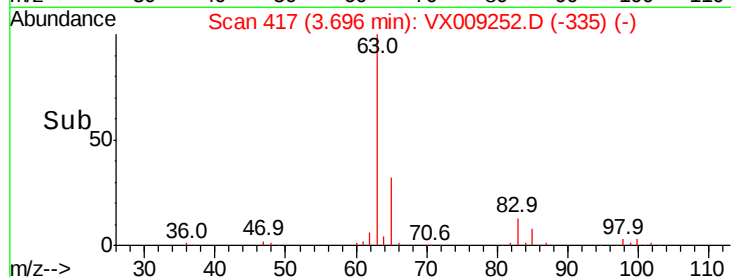
100 3.7 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 49.381 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

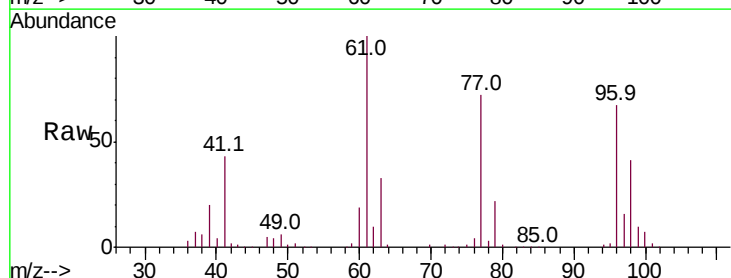
Tgt Ion: 96 Resp: 109717

Ion Ratio Lower Upper

96 100

61 161.6 127.7 191.5

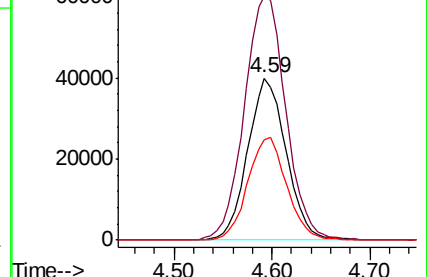
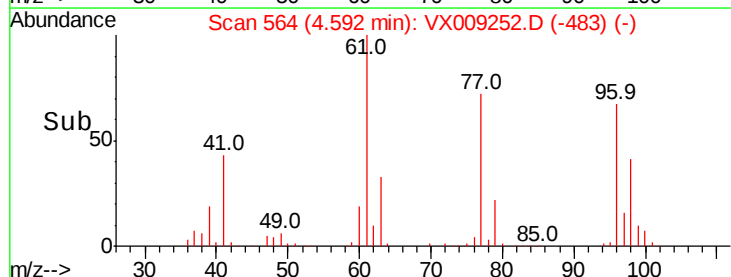
98 64.2 50.5 75.7

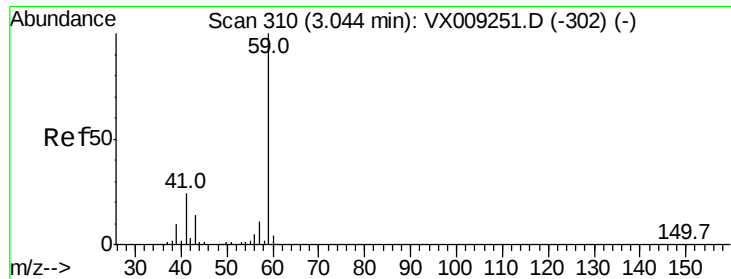


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 256.182 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.01 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

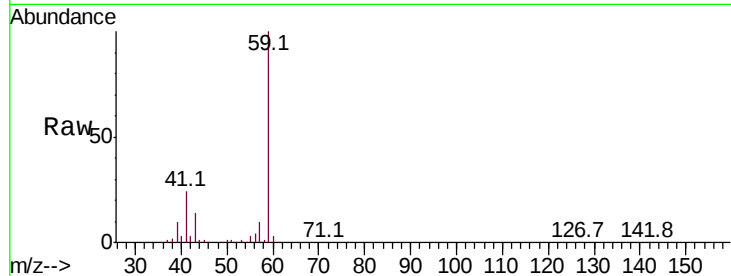
VSTDIC050

Tot Ion: 59 Resp: 147280

Ion Ratio Lower Upper

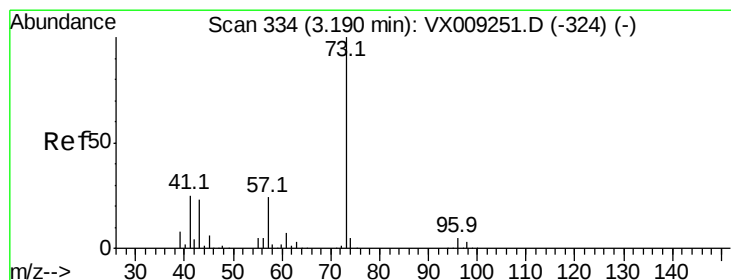
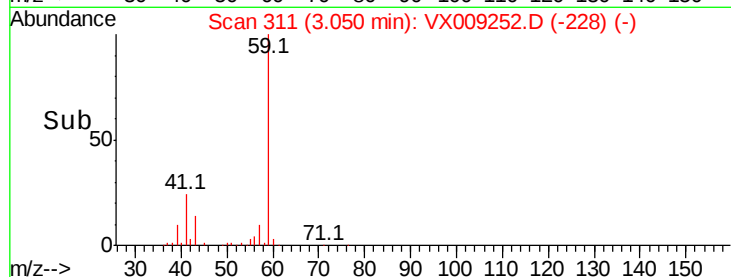
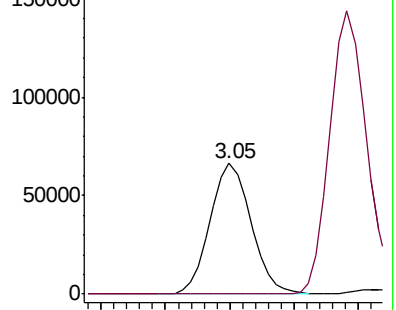
59 100

52 0.2 0.2 0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 50.464 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009252.D

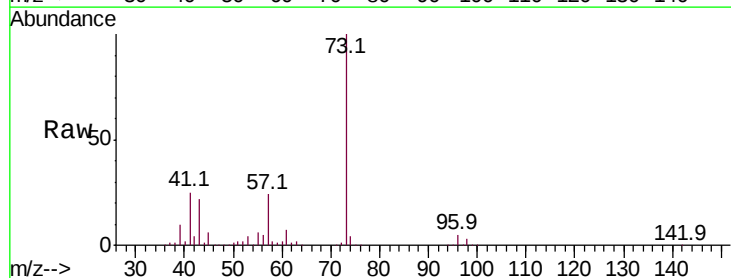
Acq: 01 May 2019 11:53

Tgt Ion: 73 Resp: 336284

Ion Ratio Lower Upper

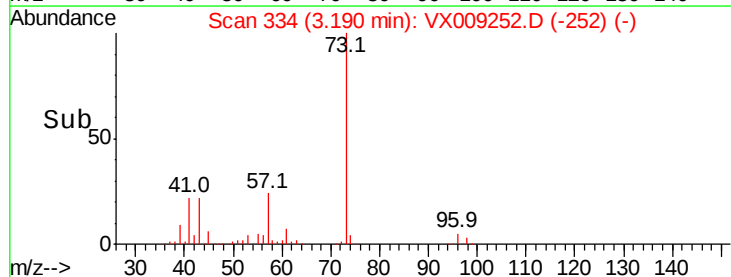
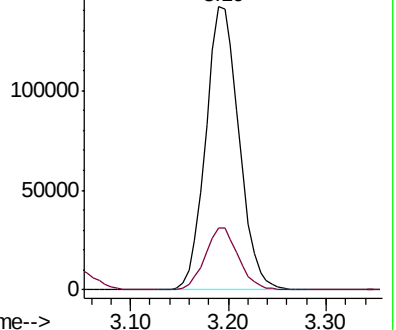
73 100

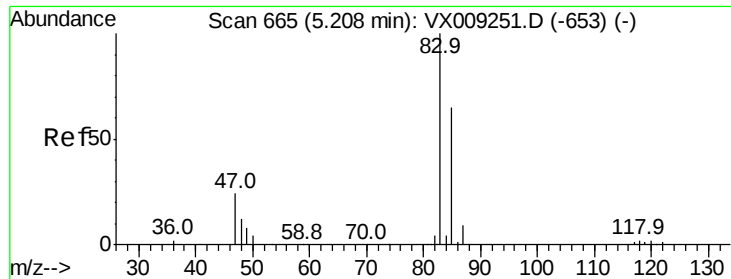
43 21.6 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 49.284 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

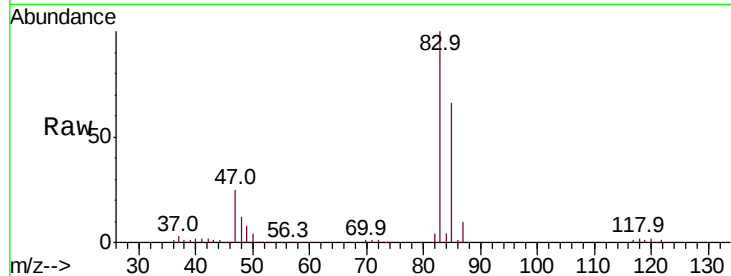
VSTDIC050

Tot Ion: 83 Resp: 178732

Ion Ratio Lower Upper

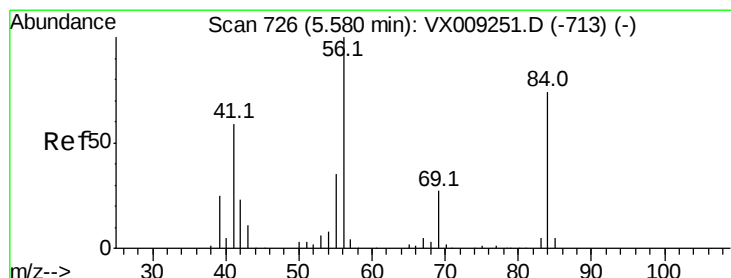
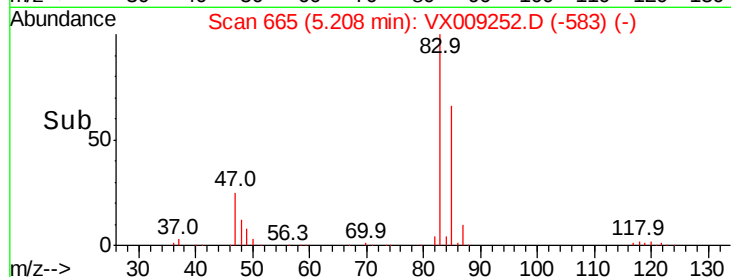
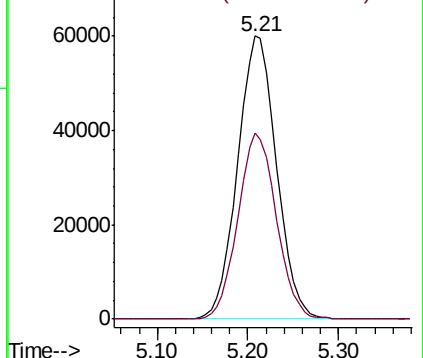
83 100

85 65.5 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 49.260 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

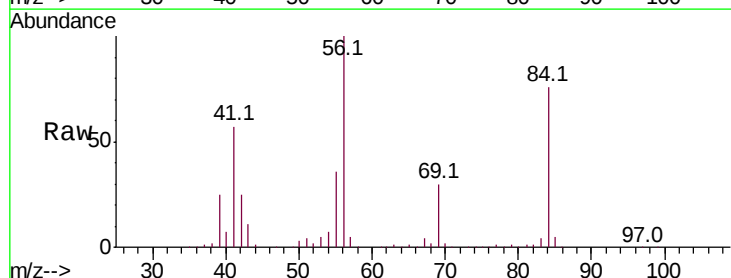
Tgt Ion: 56 Resp: 184166

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

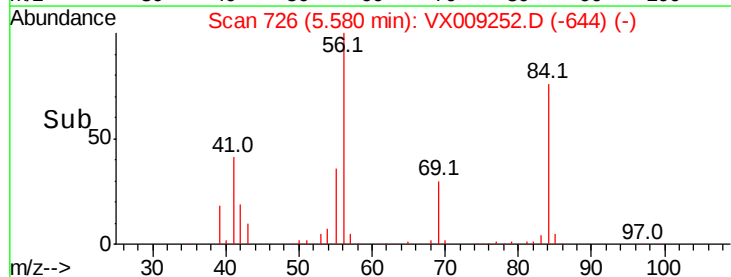
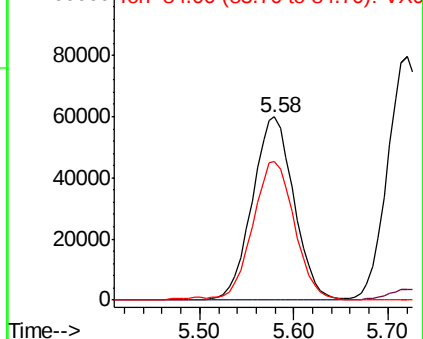
84 76.5 59.7 89.5

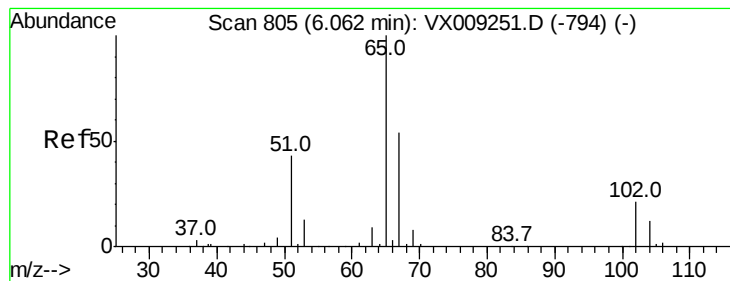


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.439 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

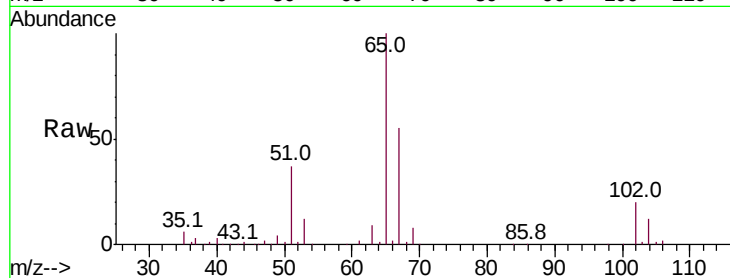
VSTDIC050

Tot Ion: 65 Resp: 78353

Ion Ratio Lower Upper

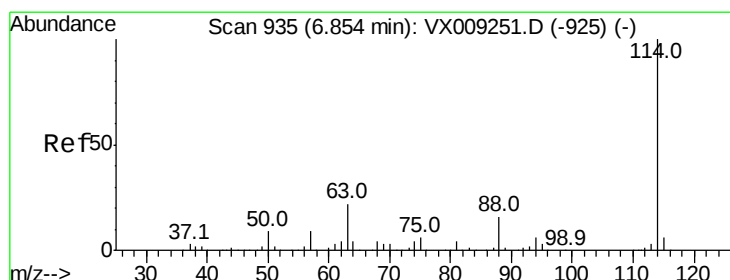
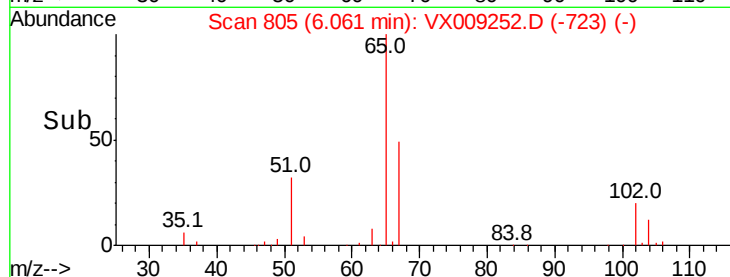
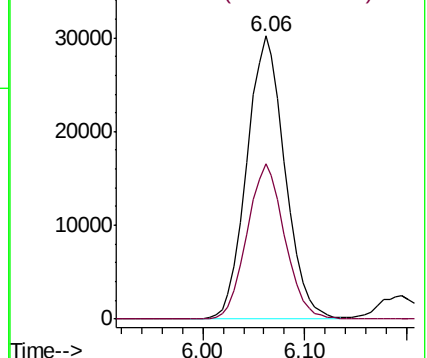
65 100

67 54.2 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

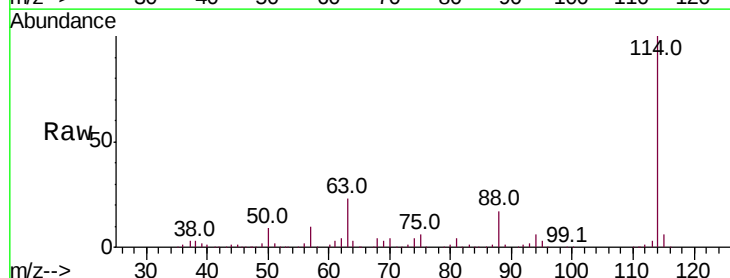
Tgt Ion: 114 Resp: 186332

Ion Ratio Lower Upper

114 100

63 22.8 18.0 27.0

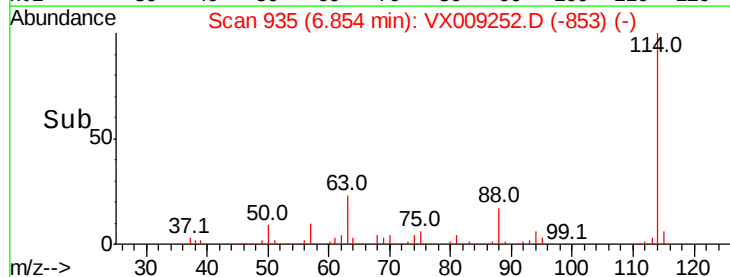
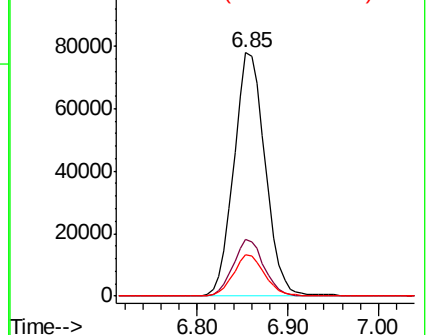
88 16.7 13.4 20.0

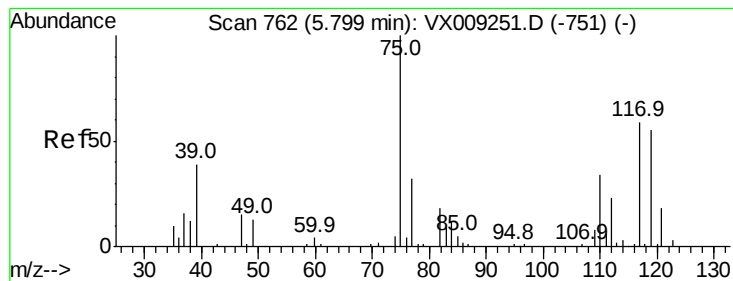


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 50.941 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

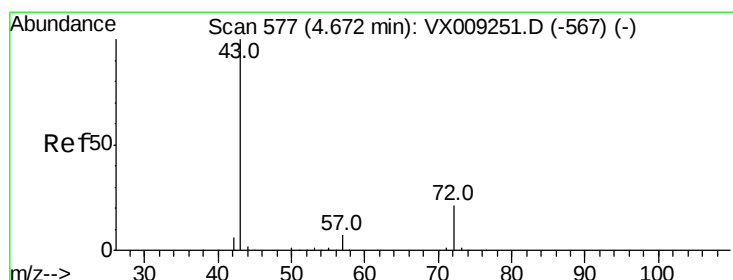
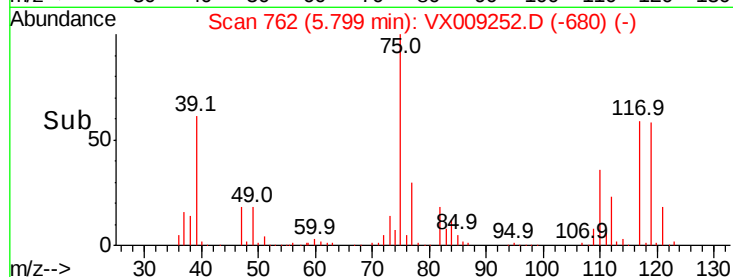
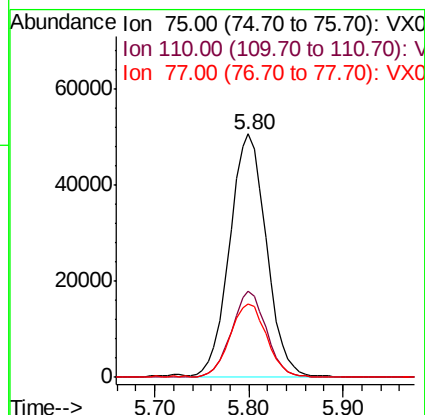
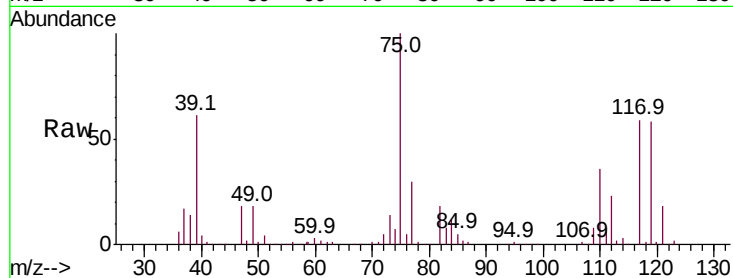
Tot Ion: 75 Resp: 137865

Ion Ratio Lower Upper

75 100

110 33.6 0.0 66.4

77 30.3 0.0 62.2



#30

2-Butanone

Concen: 252.590 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

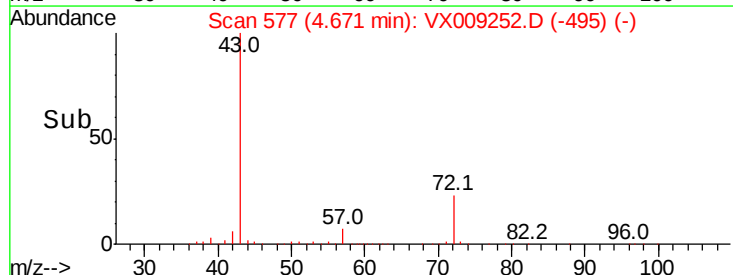
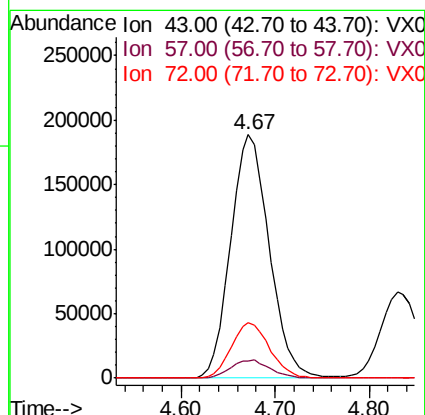
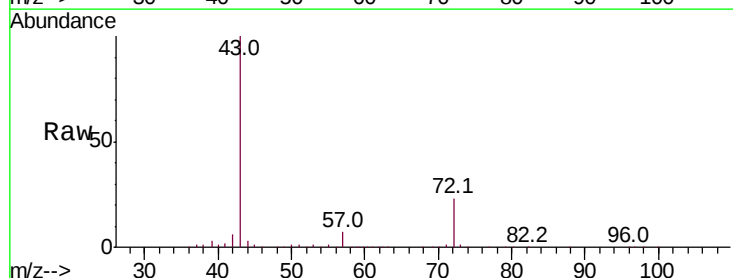
Tgt Ion: 43 Resp: 535050

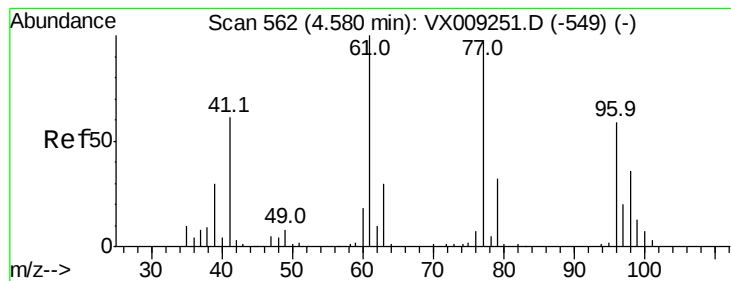
Ion Ratio Lower Upper

43 100

57 7.5 6.0 9.0

72 22.7 18.2 27.4





#31

2,2-Dichloropropane

Concen: 51.203 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

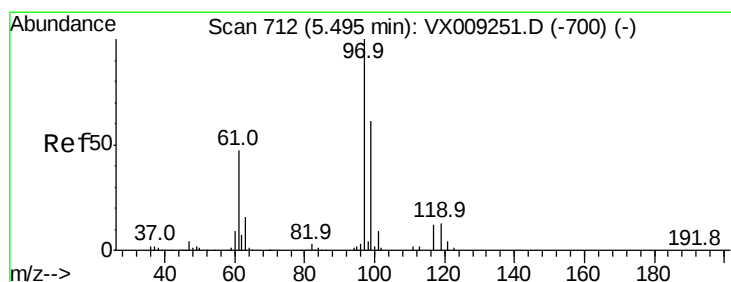
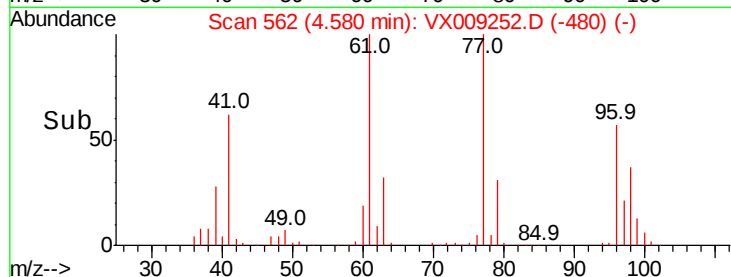
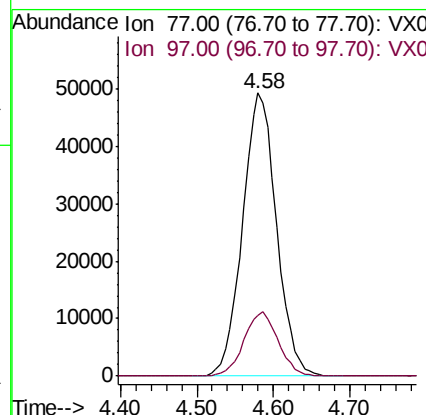
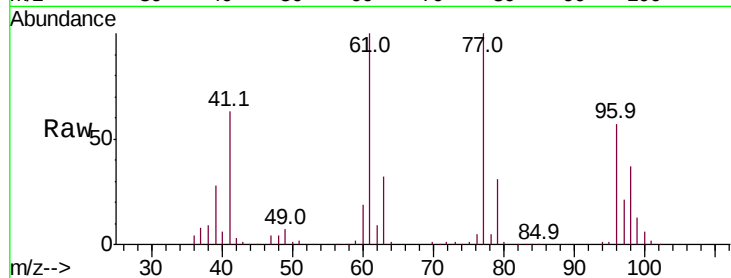
VSTDIC050

Tot Ion: 77 Resp: 151255

Ion Ratio Lower Upper

77 100

97 22.9 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 52.543 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

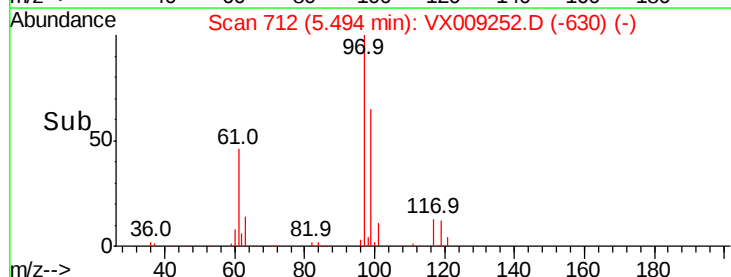
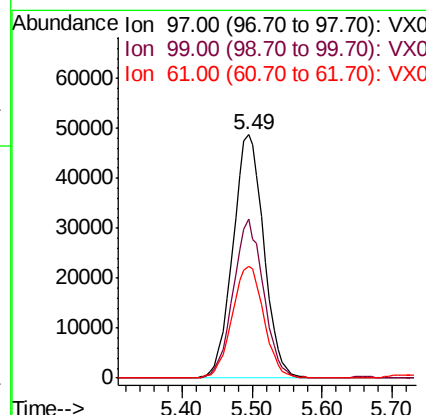
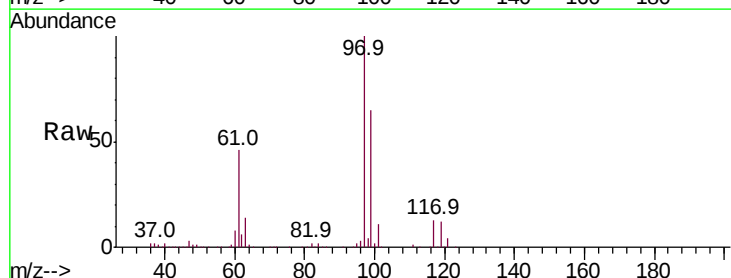
Tgt Ion: 97 Resp: 149360

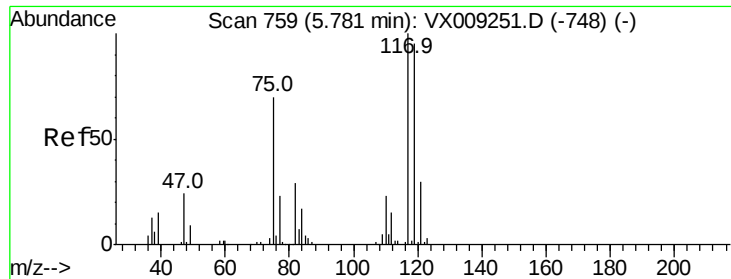
Ion Ratio Lower Upper

97 100

99 63.9 53.9 80.9

61 47.0 38.6 58.0





#33

Carbon Tetrachloride

Concen: 51.263 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

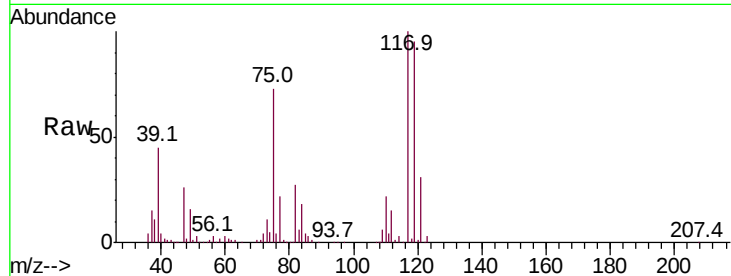
Tot Ion:117 Resp: 123882

Ion Ratio Lower Upper

117 100

119 94.5 76.1 114.1

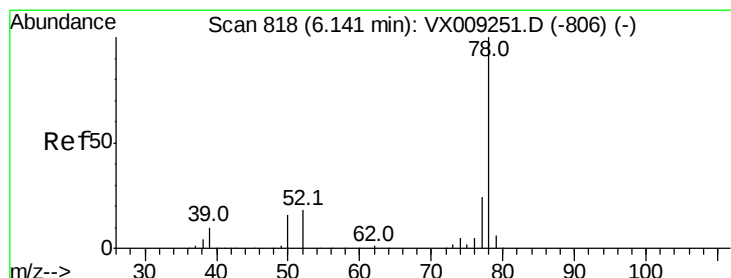
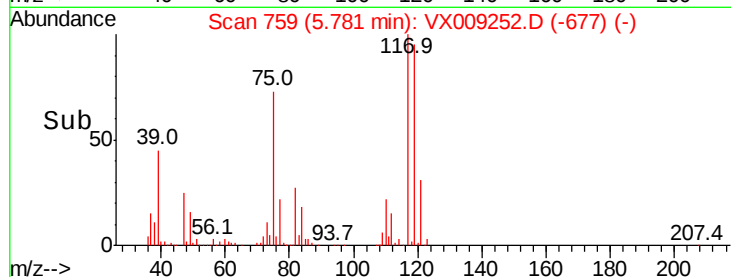
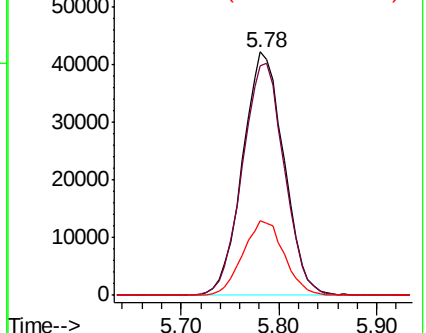
121 30.7 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 50.342 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

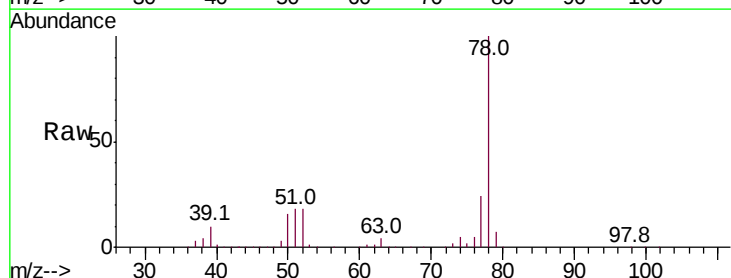
Tgt Ion: 78 Resp: 422422

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2

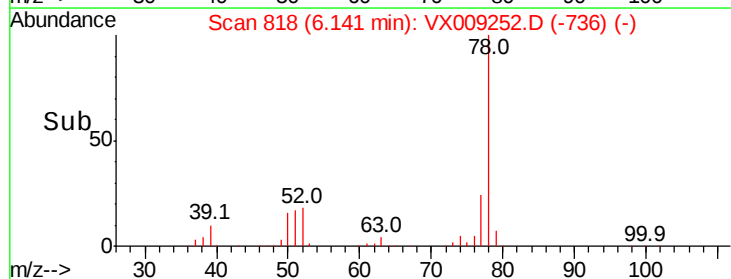
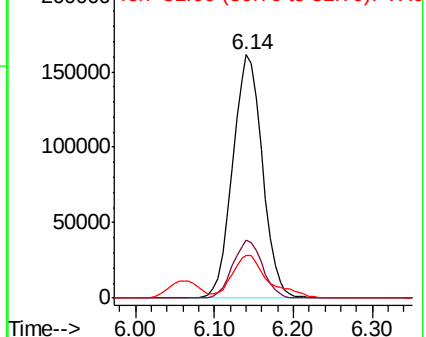
51 17.4 13.5 20.3

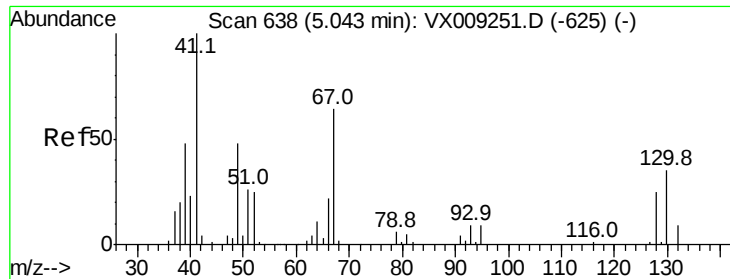


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

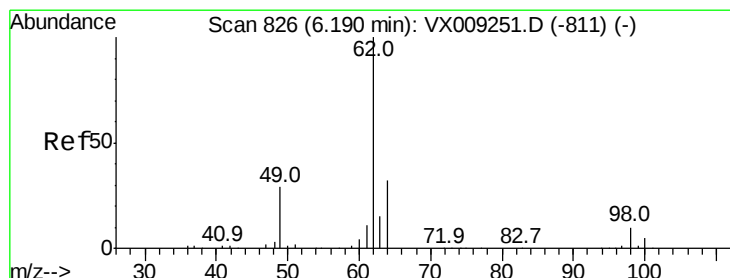
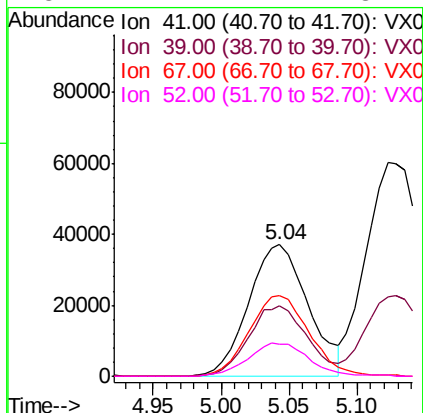
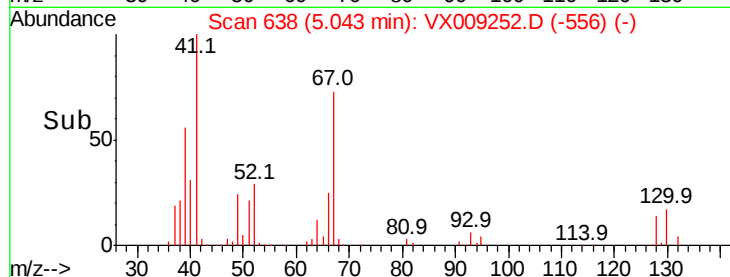
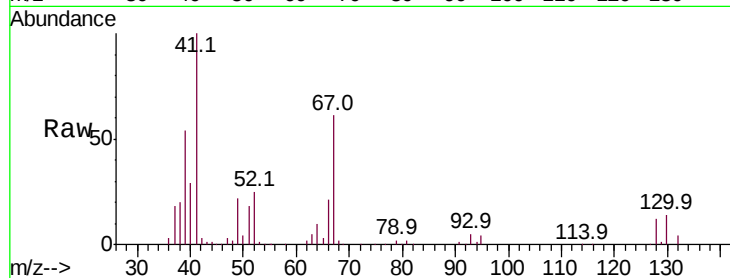




#35
Methacrylonitrile
Concen: 50.999 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

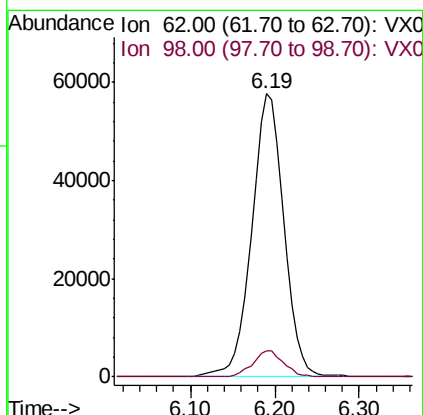
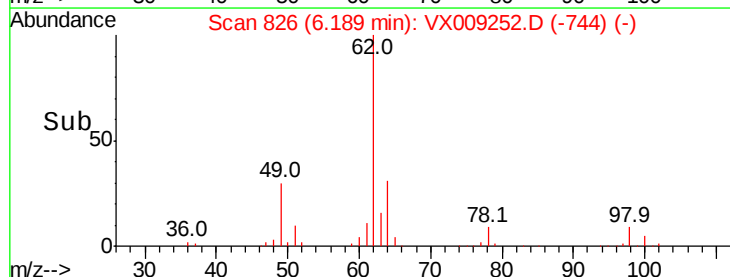
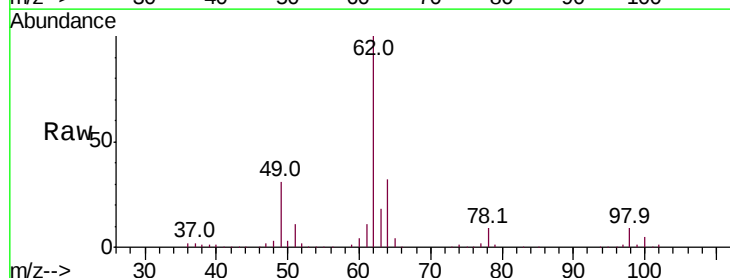
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

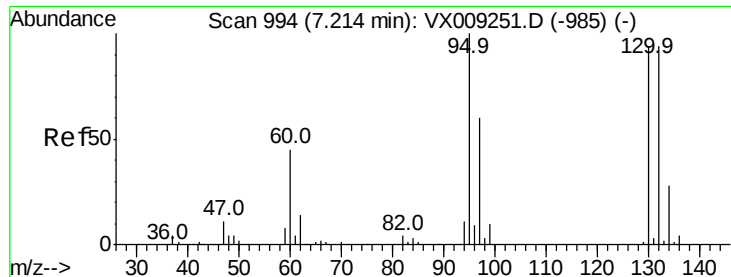
Tot Ion:	41	Resp:	113221
Ion	Ratio	Lower	Upper
41	100		
39	53.6	24.1	72.3
67	60.9	32.2	96.6
52	24.2	12.4	37.4



#36
1,2-Dichloroethane
Concen: 50.095 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion:	62	Resp:	151429
Ion	Ratio	Lower	Upper
62	100		
98	8.9	7.4	11.2

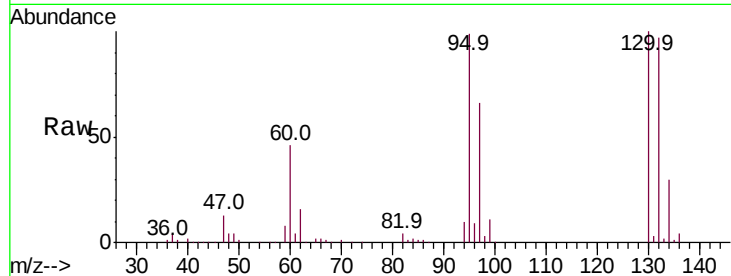




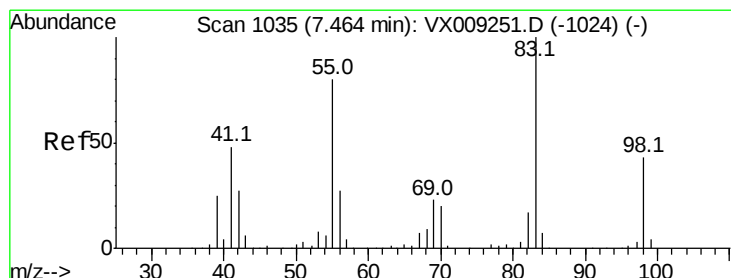
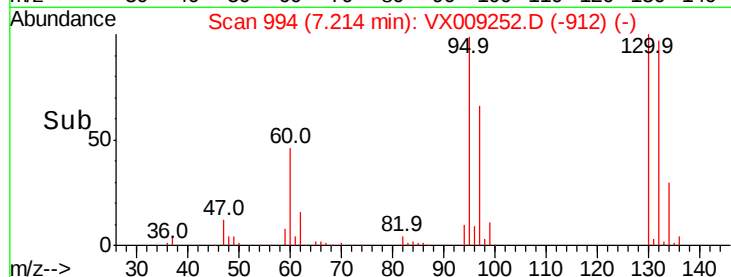
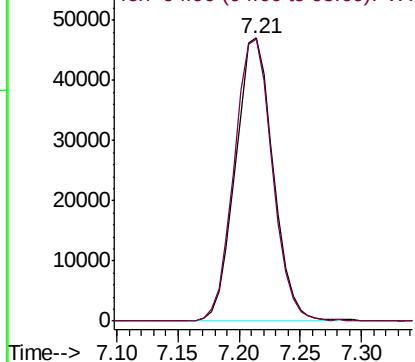
#37
 Trichloroethene
 Concen: 51.114 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

Tot Ion:130 Resp: 100468
 Ion Ratio Lower Upper
 130 100
 95 99.3 85.0 127.4

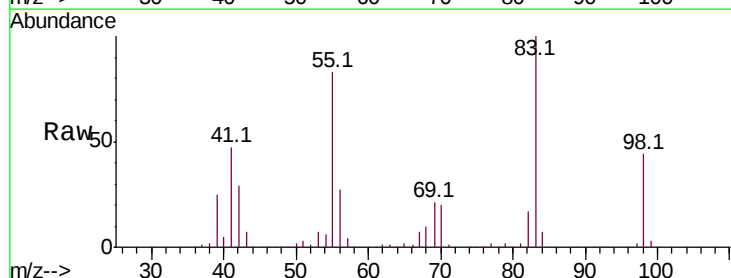


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

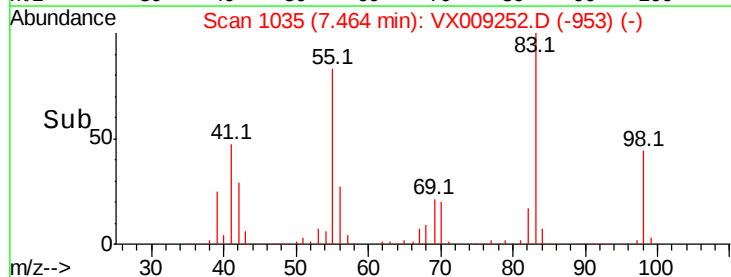
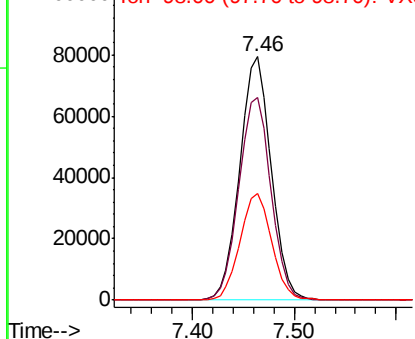


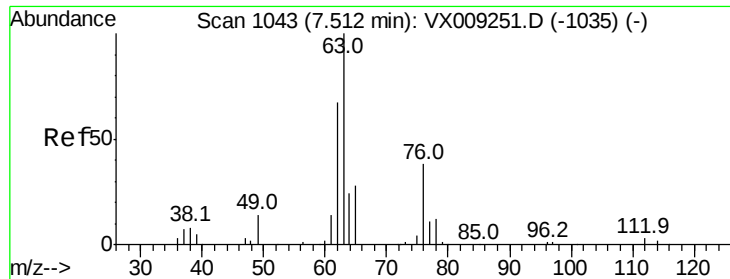
#38
 Methylcyclohexane
 Concen: 51.468 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion: 83 Resp: 170270
 Ion Ratio Lower Upper
 83 100
 55 85.0 43.0 129.2
 98 44.4 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 50.693 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

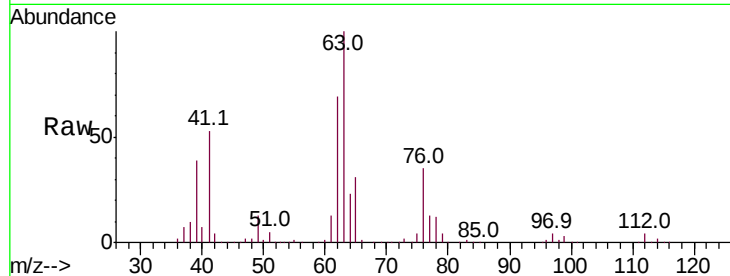
VSTDIC050

Tot Ion: 63 Resp: 119422

Ion Ratio Lower Upper

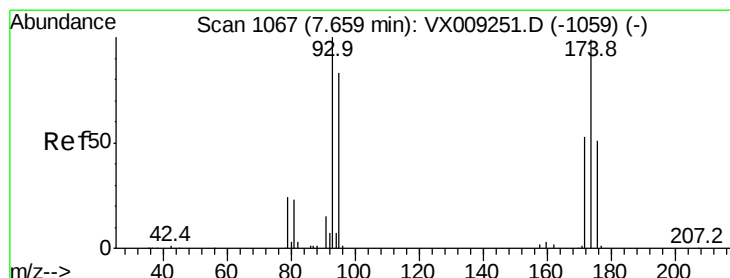
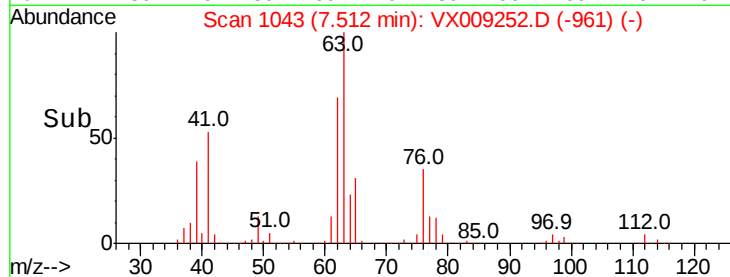
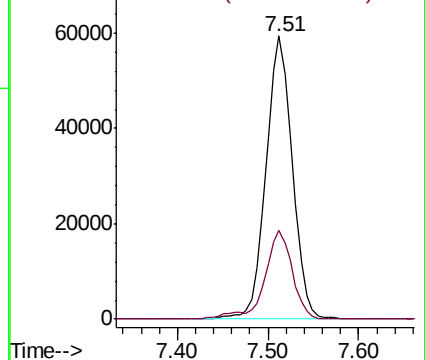
63 100

65 31.2 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 50.668 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

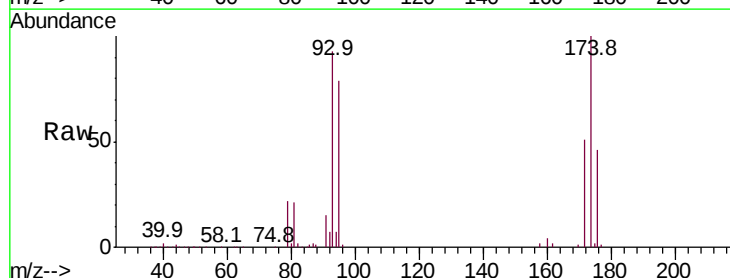
Tgt Ion: 93 Resp: 67988

Ion Ratio Lower Upper

93 100

95 83.4 0.0 167.2

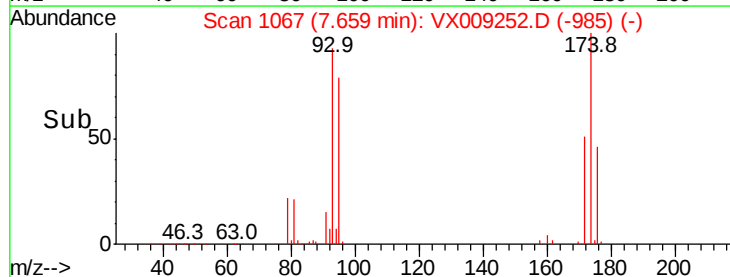
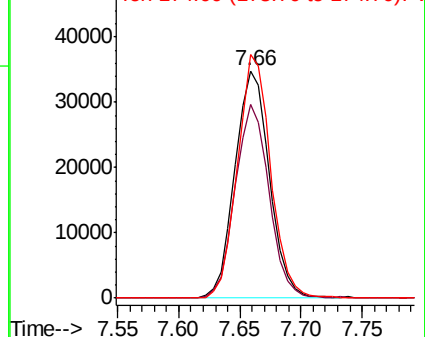
174 103.6 0.0 203.4

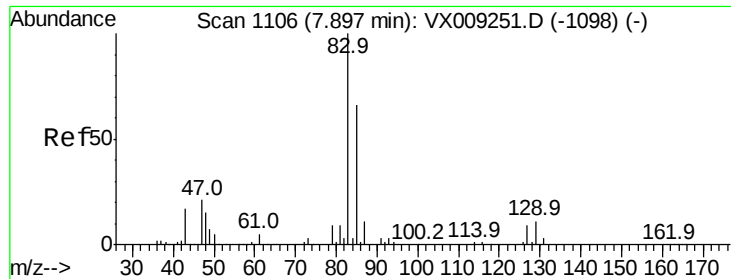


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 51.981 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

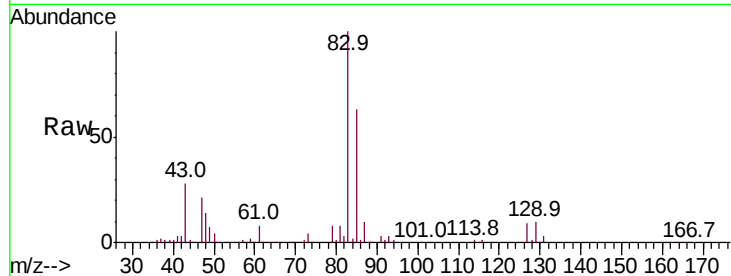
Tot Ion: 83 Resp: 139672

Ion Ratio Lower Upper

83 100

85 63.2 52.6 79.0

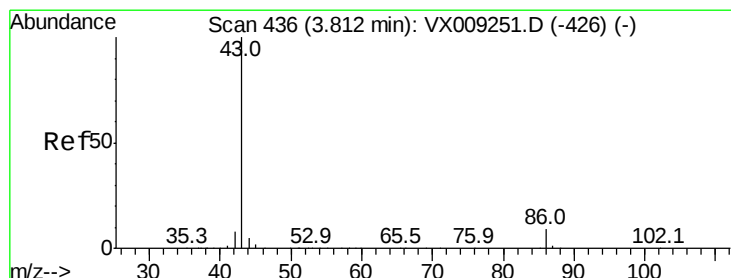
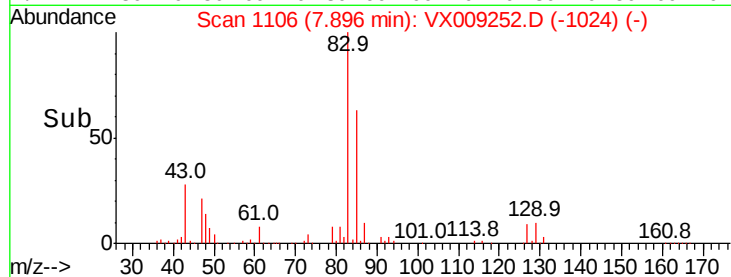
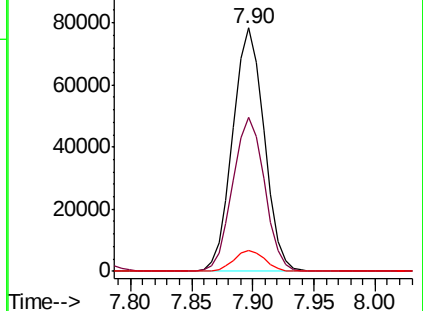
127 8.5 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 254.775 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009252.D

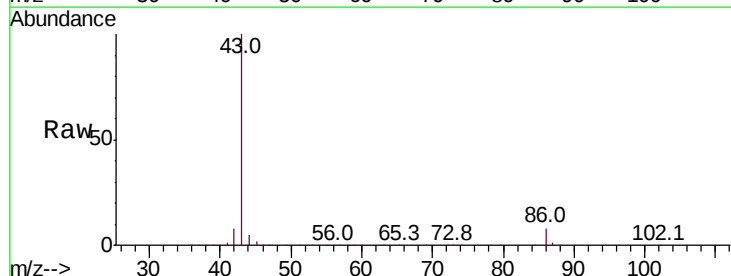
Acq: 01 May 2019 11:53

Tgt Ion: 43 Resp: 1788764

Ion Ratio Lower Upper

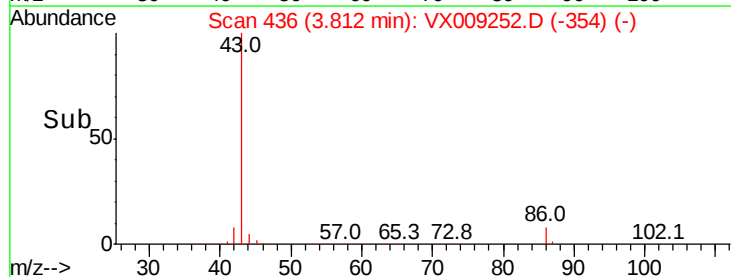
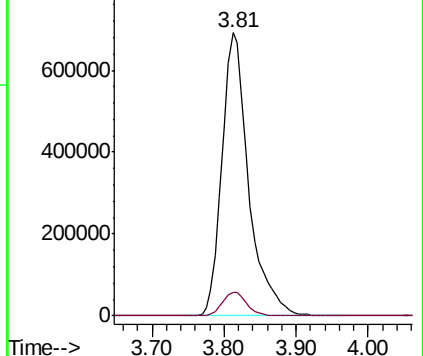
43 100

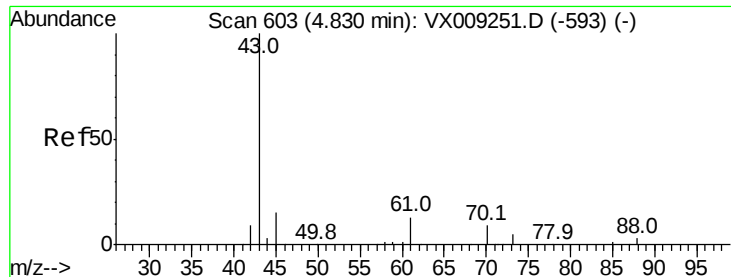
86 7.6 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 49.370 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

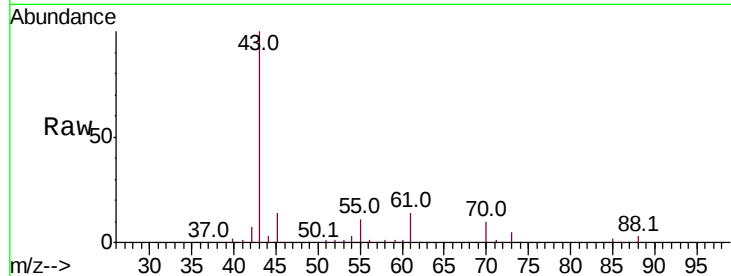
VSTDIC050

Tot Ion: 43 Resp: 193476

Ion Ratio Lower Upper

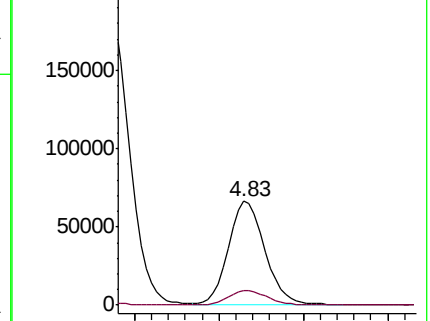
43 100

45 15.3 11.8 17.8

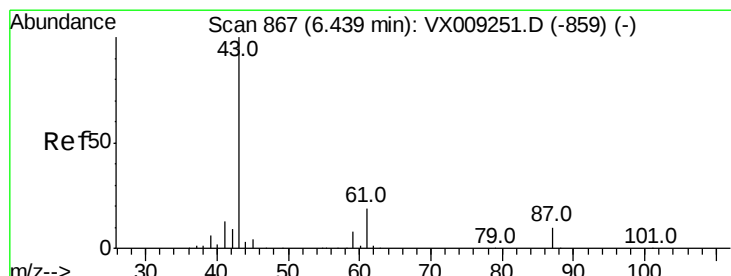
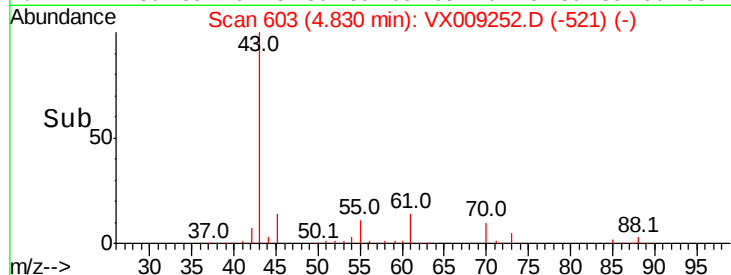


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#44

Isopropyl Acetate

Concen: 51.437 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009252.D

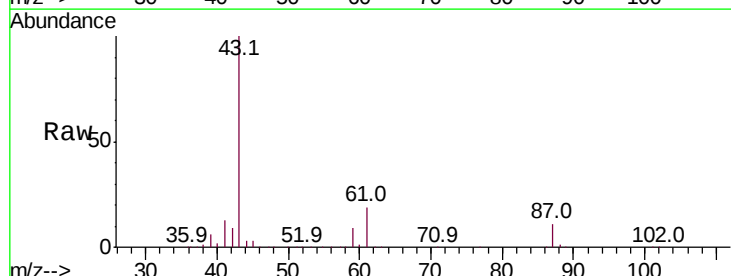
Acq: 01 May 2019 11:53

Tgt Ion: 43 Resp: 310155

Ion Ratio Lower Upper

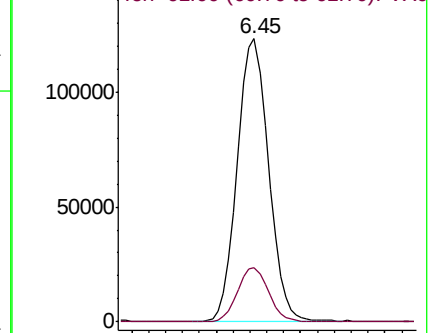
43 100

61 19.2 15.4 23.2

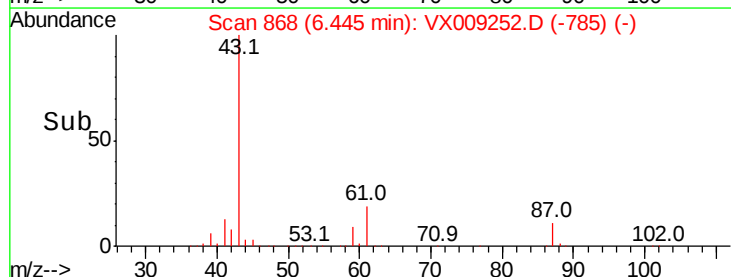


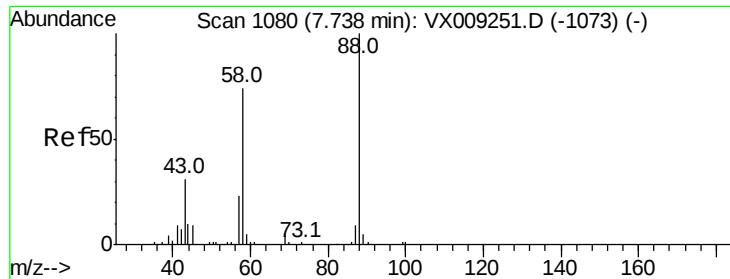
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#45

1,4-Dioxane

Concen: 1031.710 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

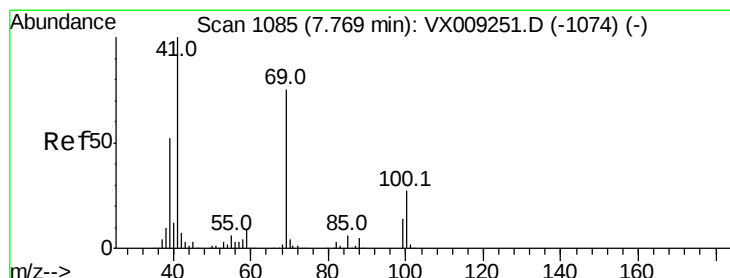
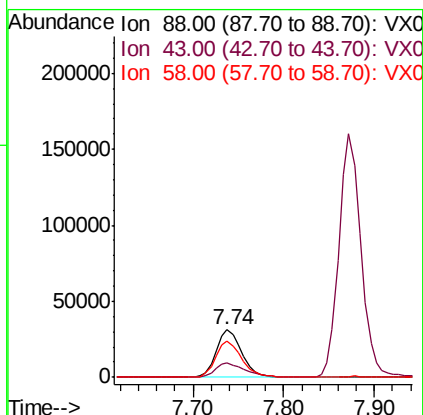
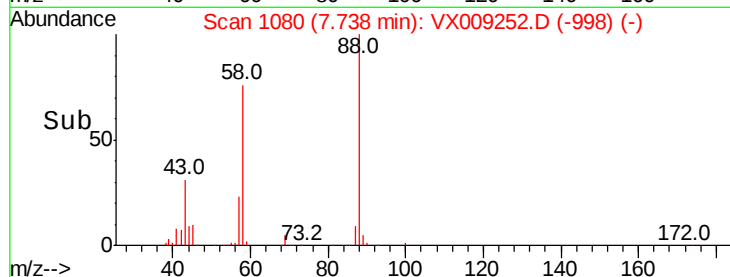
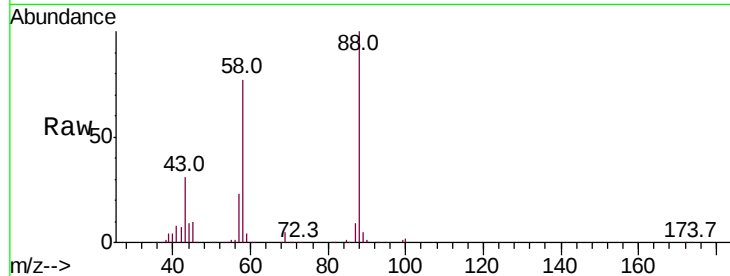
Tot Ion: 88 Resp: 61845

Ion Ratio Lower Upper

88 100

43 35.3 28.5 42.7

58 77.8 62.5 93.7



#46

Methyl methacrylate

Concen: 51.122 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

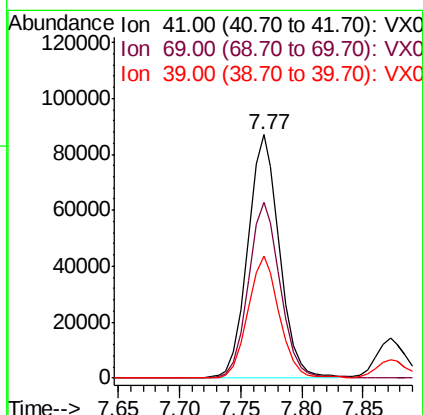
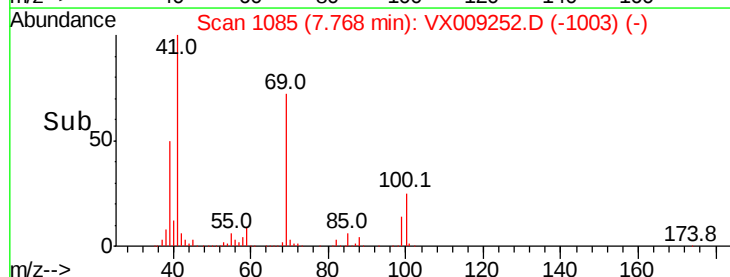
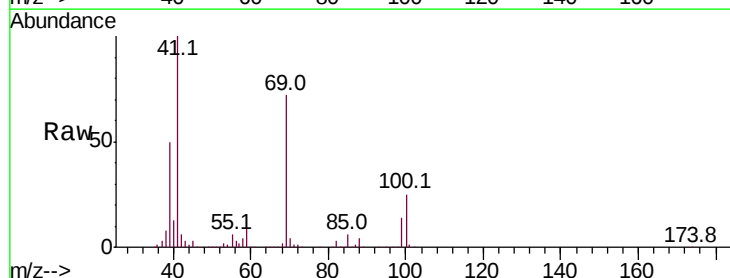
Tgt Ion: 41 Resp: 155829

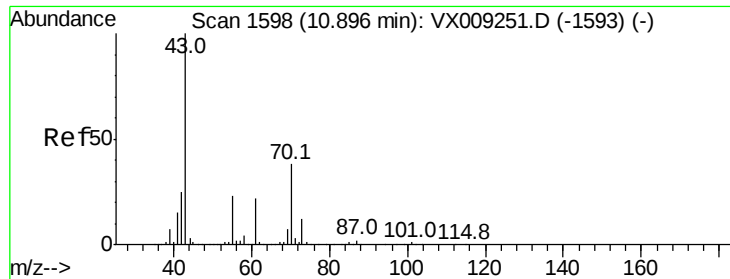
Ion Ratio Lower Upper

41 100

69 72.4 37.6 112.8

39 50.0 25.8 77.3





#47

n-amvl Acetate

Concen: 53.065 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

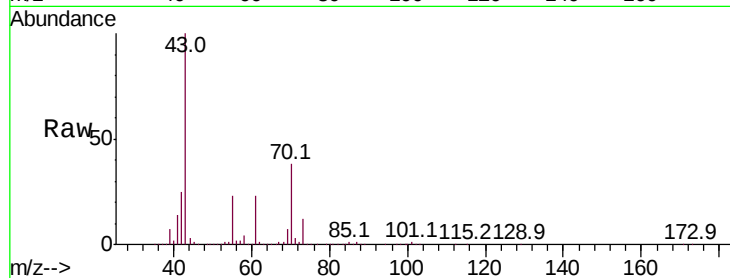
VSTDIC050

Tot Ion: 43 Resp: 285705

Ion Ratio Lower Upper

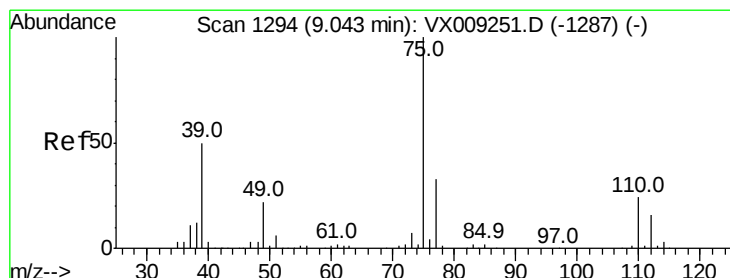
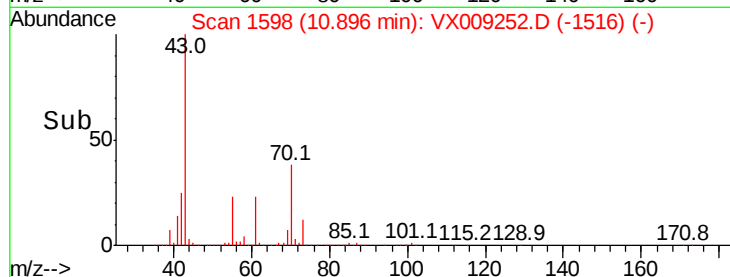
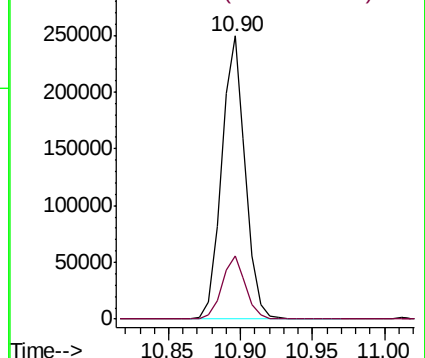
43 100

55 22.2 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 53.735 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009252.D

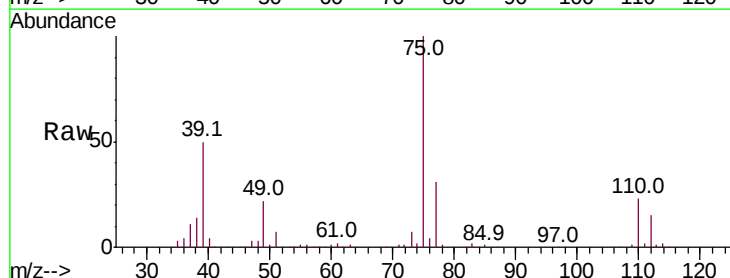
Acq: 01 May 2019 11:53

Tgt Ion: 75 Resp: 165106

Ion Ratio Lower Upper

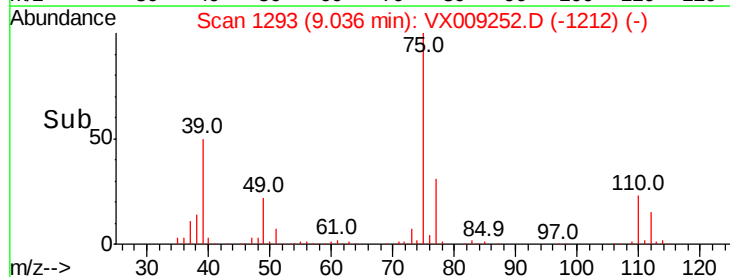
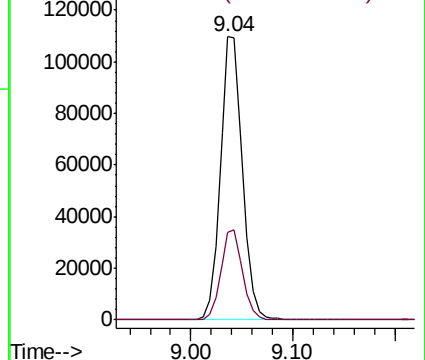
75 100

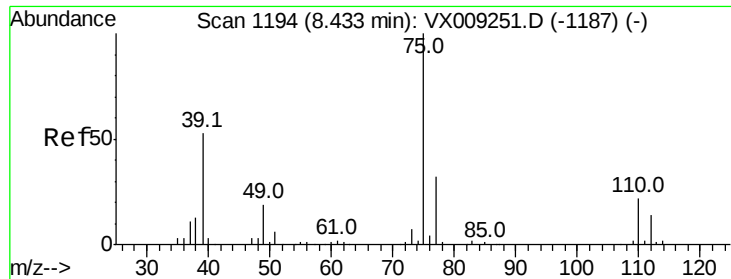
77 31.0 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



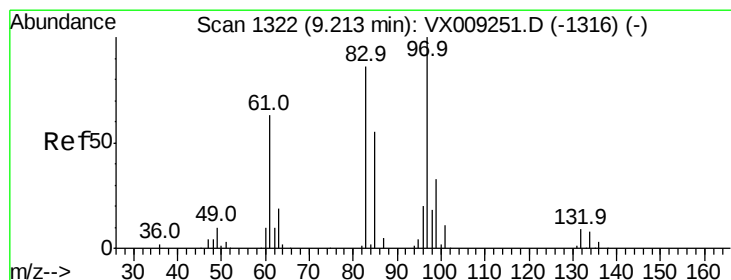
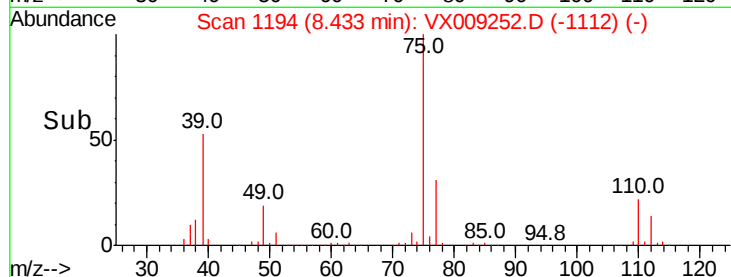
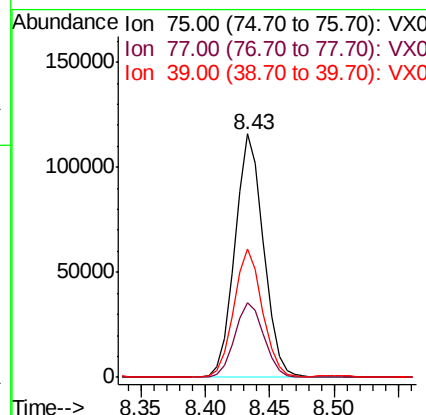
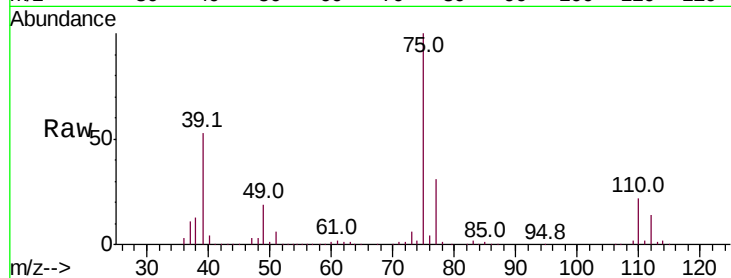


#49

cis-1,3-Dichloropropene
 Concen: 52.468 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

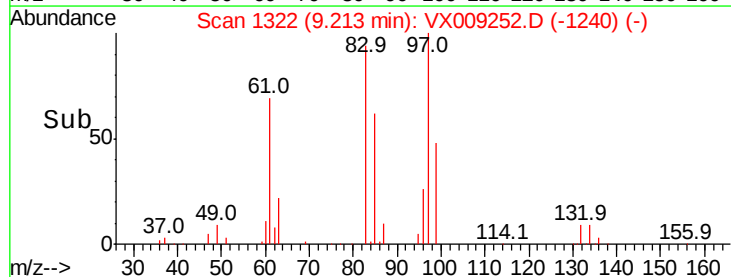
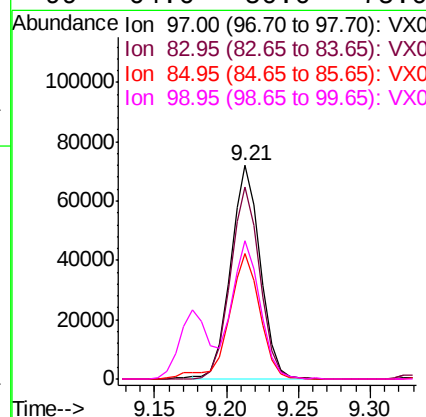
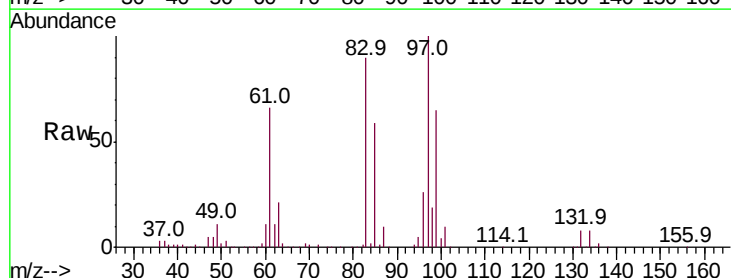
Tot Ion: 75 Resp: 179478
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.0 39.0
 39 52.6 42.6 63.8

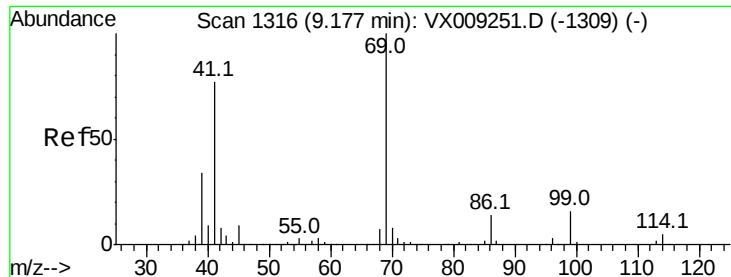


#50

1,1,2-Trichloroethane
 Concen: 50.129 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion: 97 Resp: 103262
 Ion Ratio Lower Upper
 97 100
 83 89.8 68.8 103.2
 85 59.0 45.8 68.6
 99 64.6 50.0 75.0





#51

Ethyl methacrylate

Concen: 51.033 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

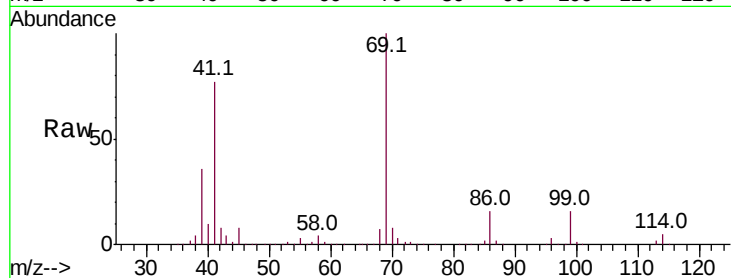
Tot Ion: 69 Resp: 190917

Ion Ratio Lower Upper

69 100

41 76.6 38.4 115.2

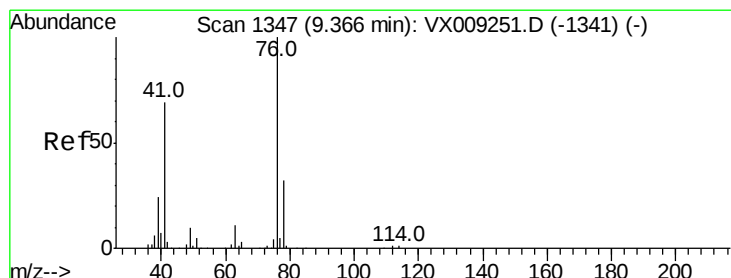
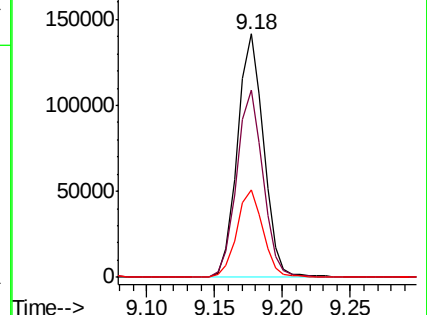
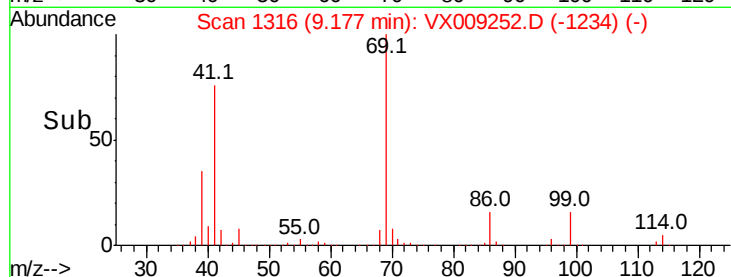
39 35.8 17.2 51.5



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



#52

1,3-Dichloropropane

Concen: 50.012 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX009252.D

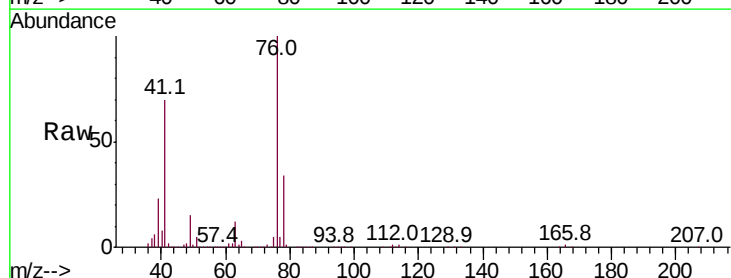
Acq: 01 May 2019 11:53

Tgt Ion: 76 Resp: 183004

Ion Ratio Lower Upper

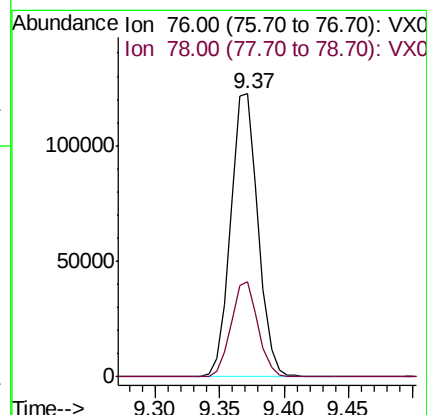
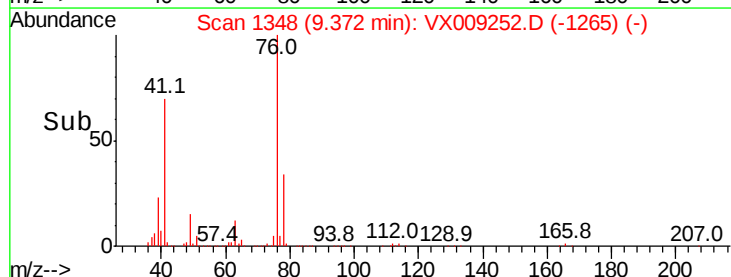
76 100

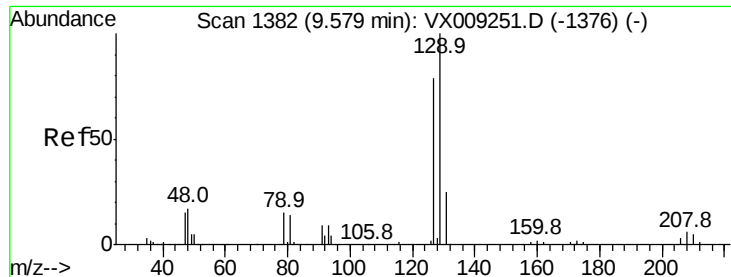
78 32.9 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 52.986 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

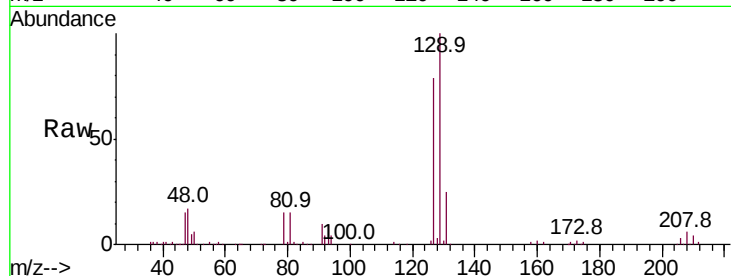
VSTDIC050

Tot Ion:129 Resp: 104942

Ion Ratio Lower Upper

129 100

127 78.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

80000

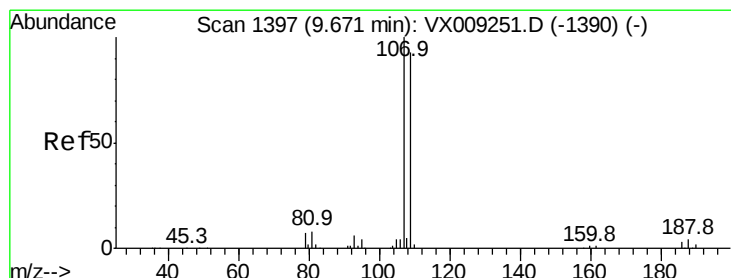
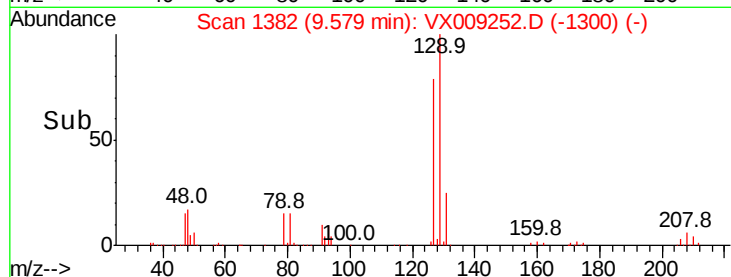
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 51.153 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009252.D

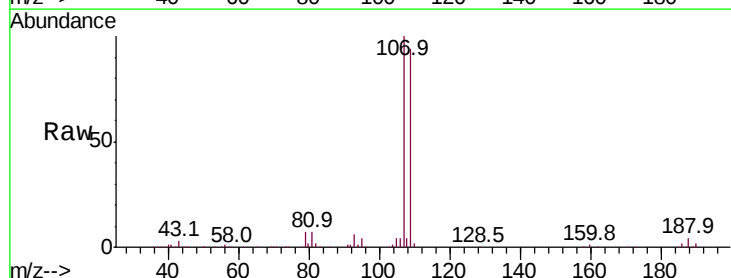
Acq: 01 May 2019 11:53

Tgt Ion:107 Resp: 107054

Ion Ratio Lower Upper

107 100

109 92.7 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

80000

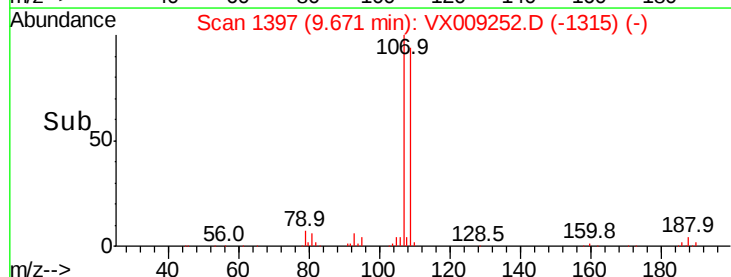
60000

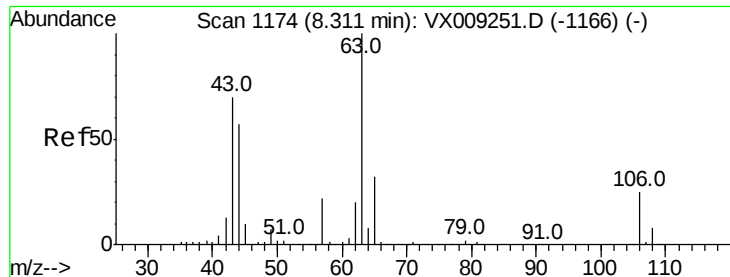
40000

20000

0

Time--> 9.60 9.65 9.70 9.75





#55

2-Chloroethyl vinyl ether

Concen: 246.601 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

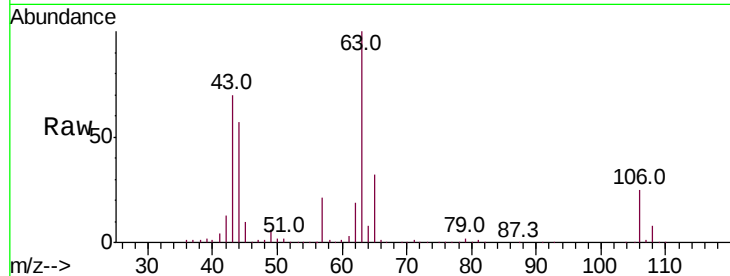
Tot Ion: 63 Resp: 519708

Ion Ratio Lower Upper

63 100

65 32.0 25.8 38.6

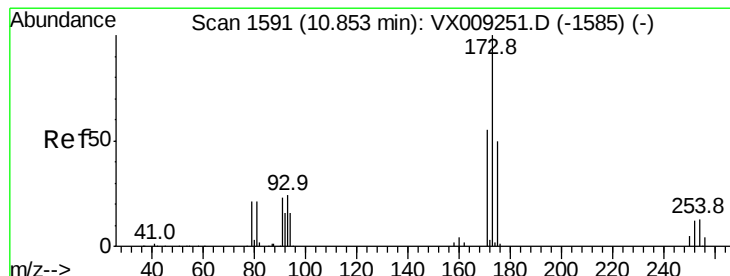
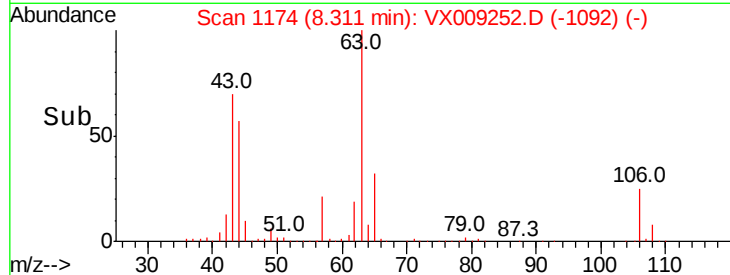
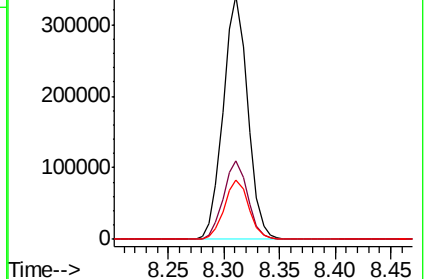
106 24.4 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VX009251.D (-1166) (-)

Ion 65.00 (64.70 to 65.70): VX009251.D (-1166) (-)

Ion 106.00 (105.70 to 106.70): VX009251.D (-1166) (-)



#56

Bromoform

Concen: 53.664 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

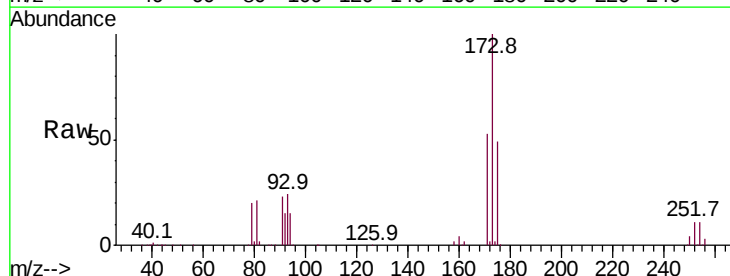
Tgt Ion:173 Resp: 78986

Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.2

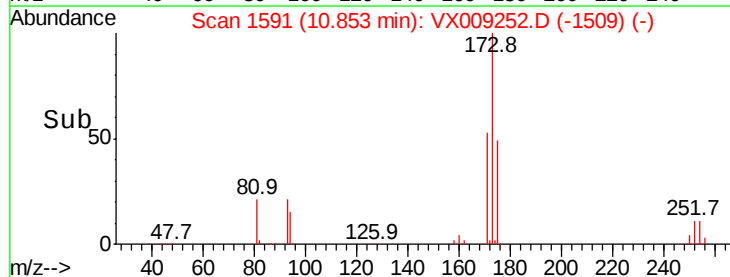
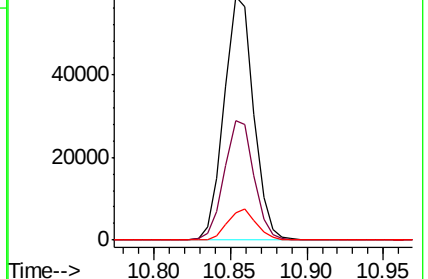
254 12.3 9.9 14.9

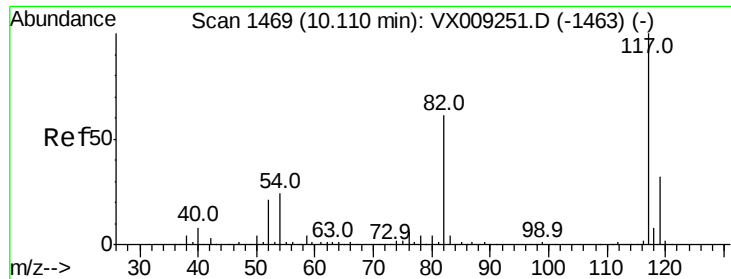


Abundance Ion 173.00 (172.70 to 173.70): VX009251.D (-1585) (-)

Ion 175.00 (174.70 to 175.70): VX009251.D (-1585) (-)

Ion 254.00 (253.70 to 254.70): VX009251.D (-1585) (-)

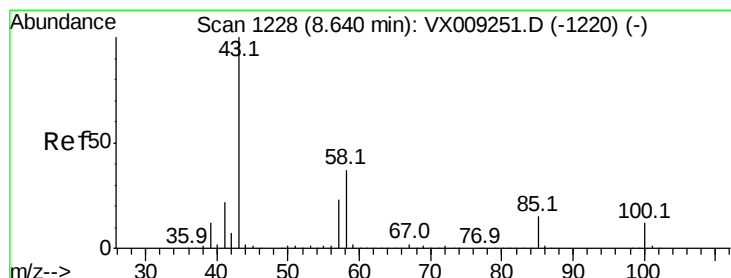
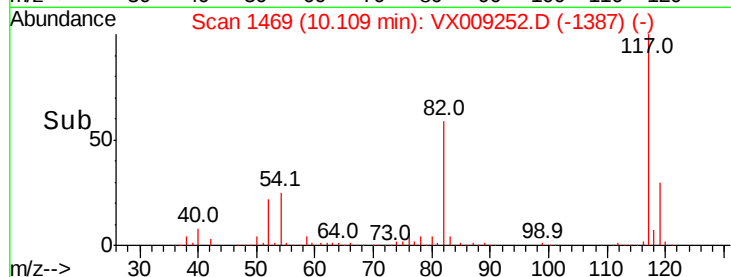
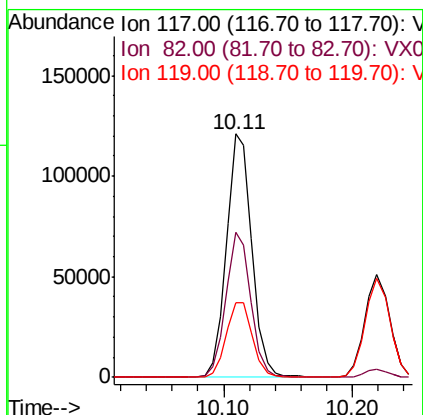
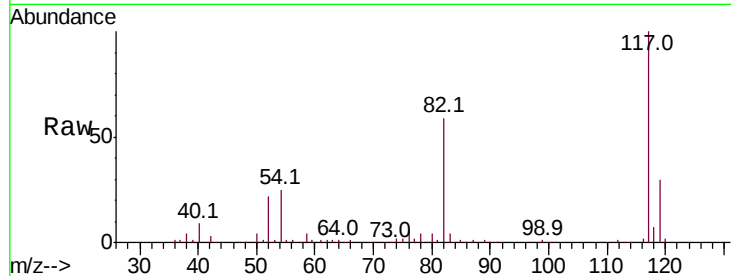




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

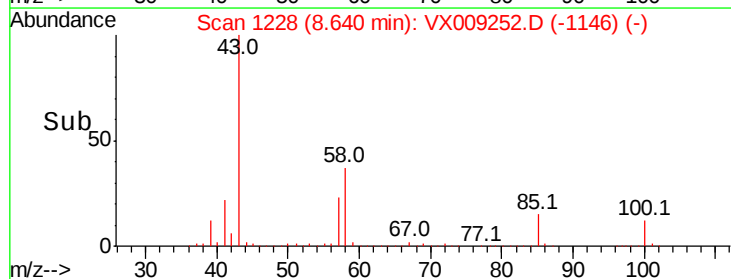
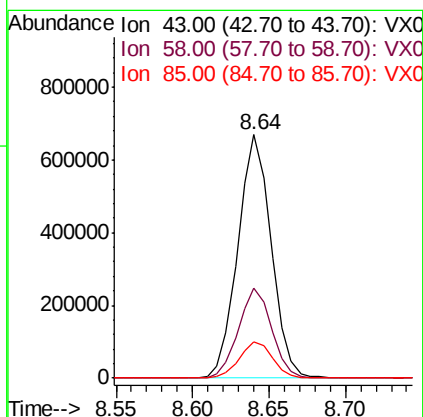
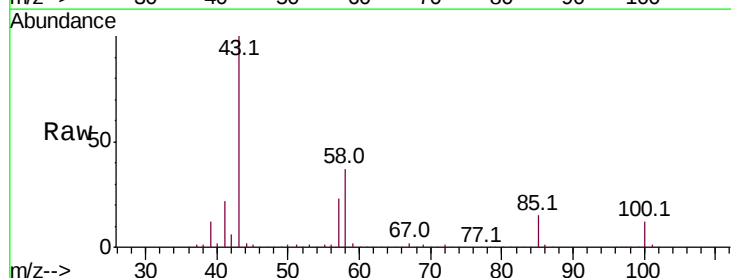
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

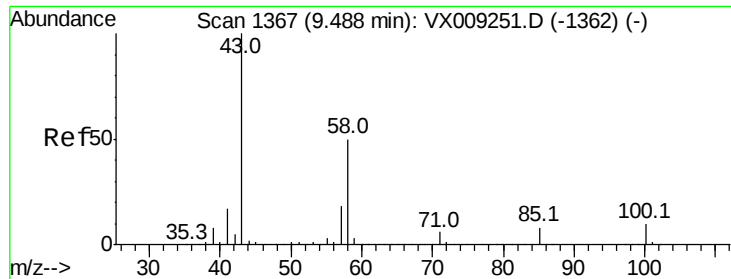
Tot Ion:117 Resp: 167425
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 31.8 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 246.981 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion: 43 Resp: 1011123
Ion Ratio Lower Upper
43 100
58 36.9 29.4 44.0
85 14.9 11.8 17.8

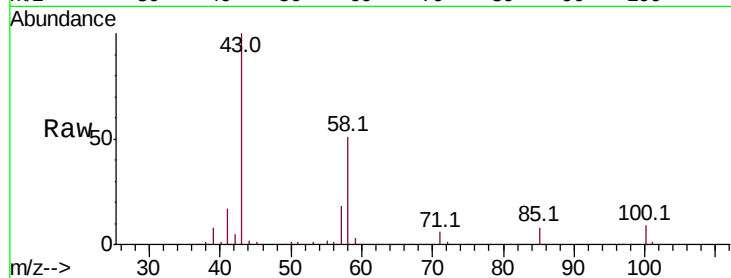




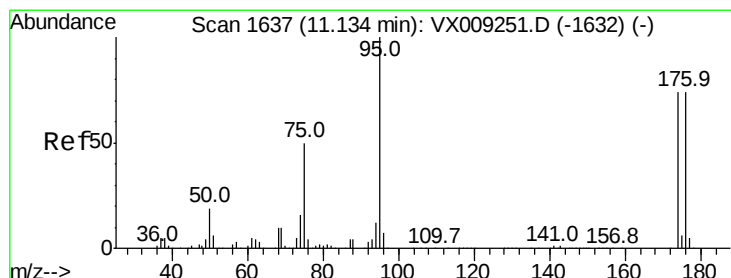
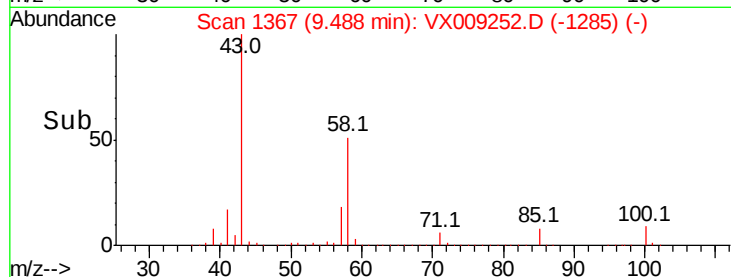
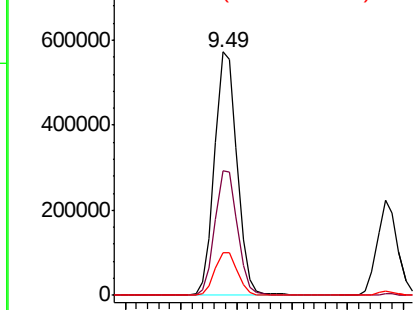
#59
2-Hexanone
Concen: 248.767 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 803231
Ion Ratio Lower Upper
43 100
58 51.4 40.8 61.2
57 17.9 14.1 21.1

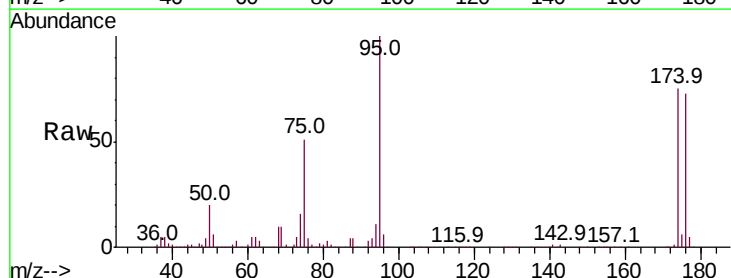


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

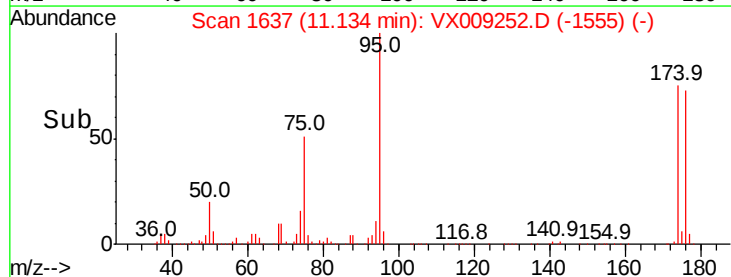
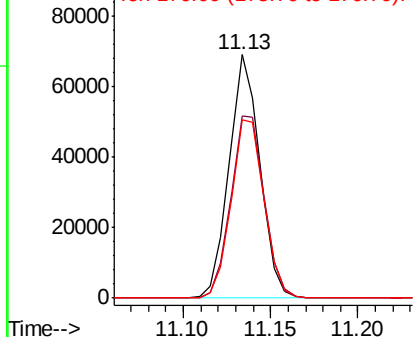


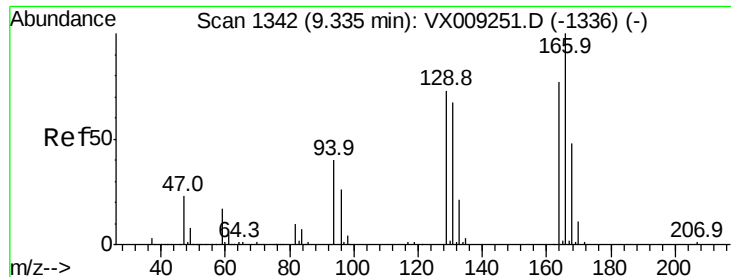
#60
4-Bromofluorobenzene
Concen: 29.455 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion: 95 Resp: 84632
Ion Ratio Lower Upper
95 100
174 80.9 63.6 95.4
176 78.4 62.4 93.6



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 50.346 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 92822

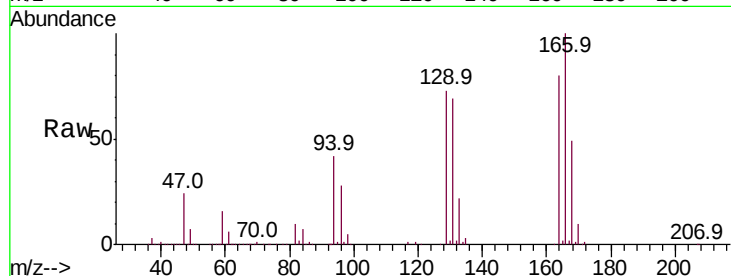
Ion Ratio Lower Upper

164 100

166 125.7 104.1 156.1

129 92.0 76.0 114.0

131 86.4 70.1 105.1

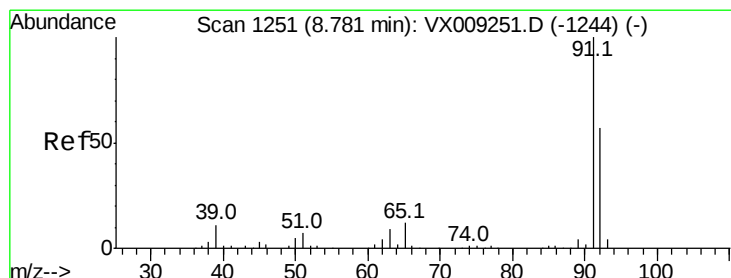
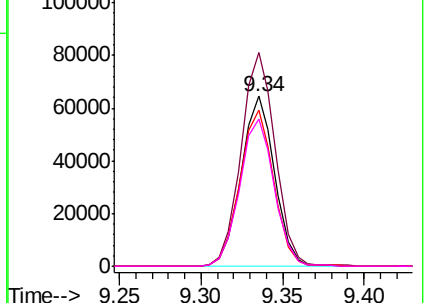
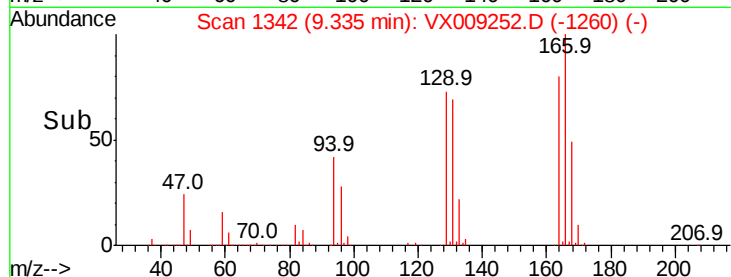


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 49.221 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX009252.D

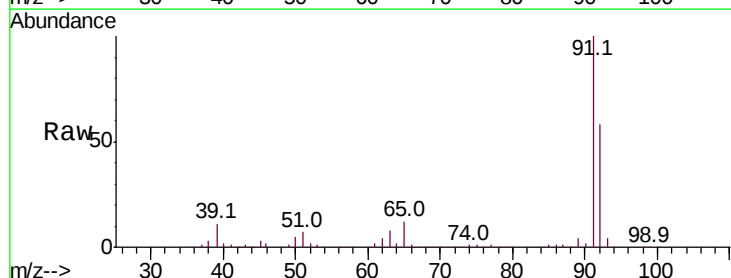
Acq: 01 May 2019 11:53

Tgt Ion: 91 Resp: 442673

Ion Ratio Lower Upper

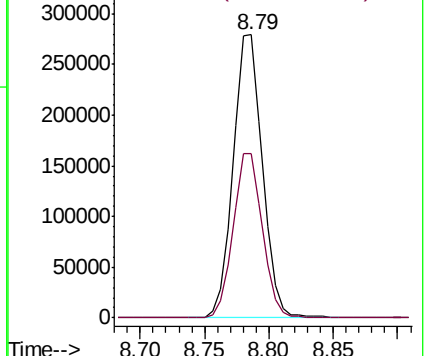
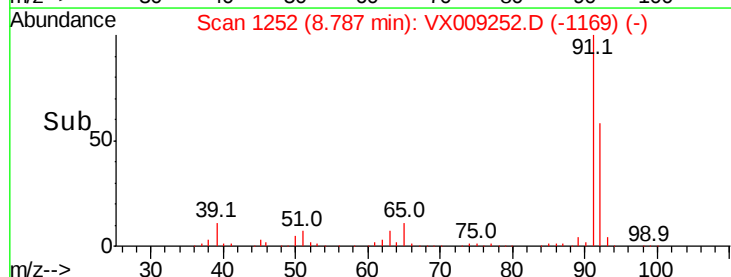
91 100

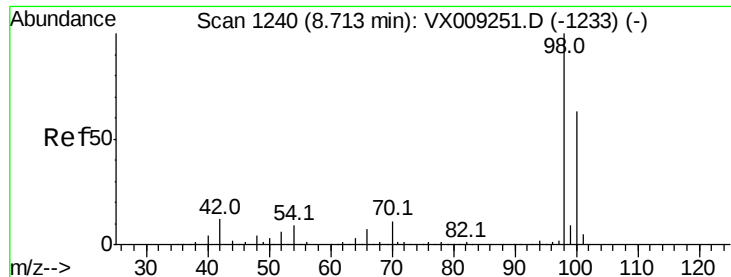
92 58.1 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.219 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

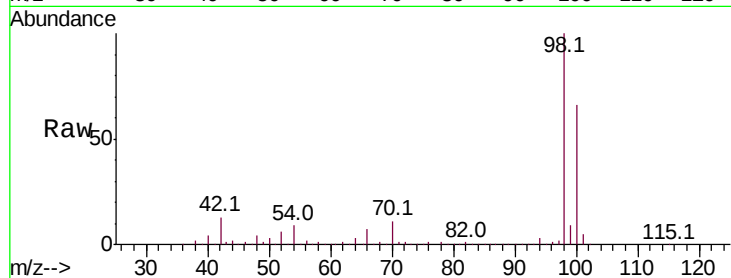
VSTDIC050

Tot Ion: 98 Resp: 236443

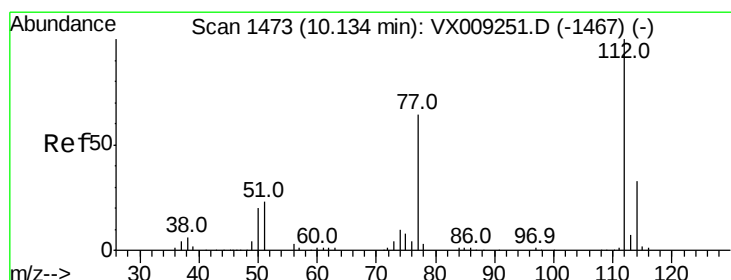
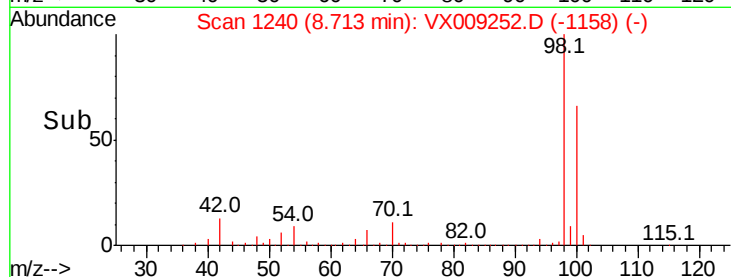
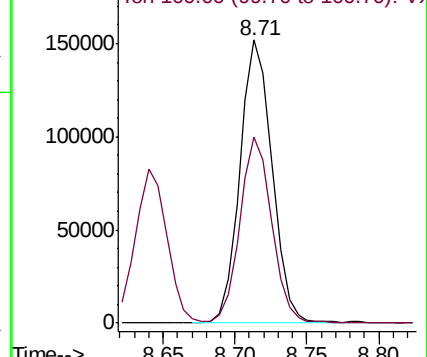
Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX009251.D (-1233) (-)



#64

Chlorobenzene

Concen: 49.653 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009252.D

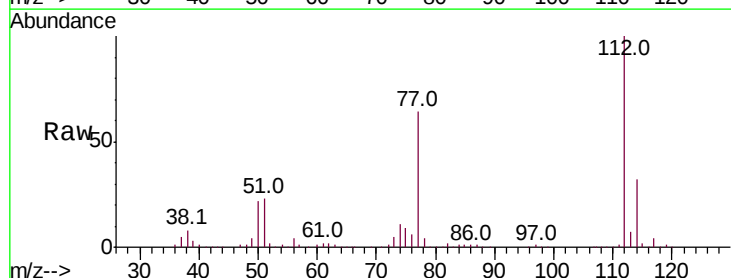
Acq: 01 May 2019 11:53

Tgt Ion: 112 Resp: 263444

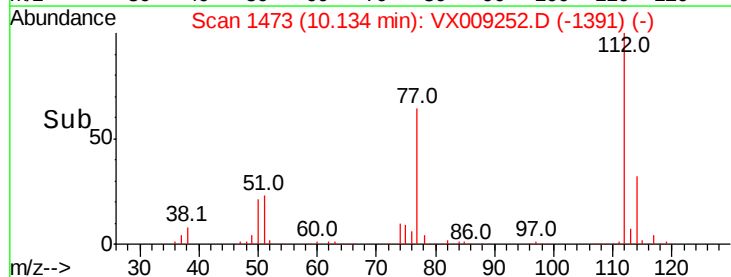
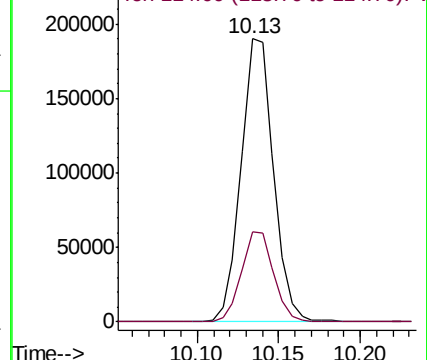
Ion Ratio Lower Upper

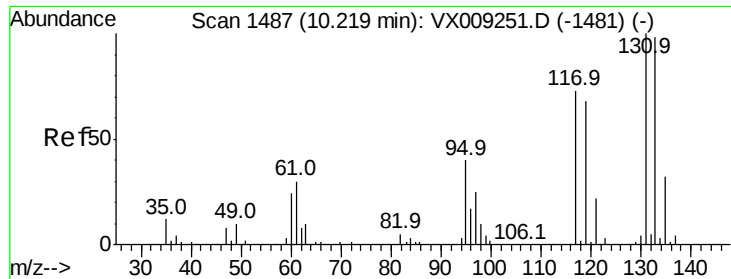
112 100

114 31.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009251.D (-1467) (-)

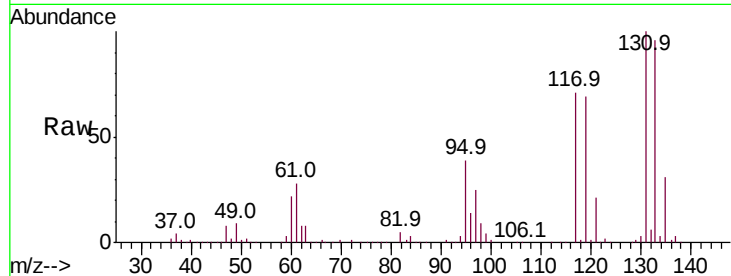




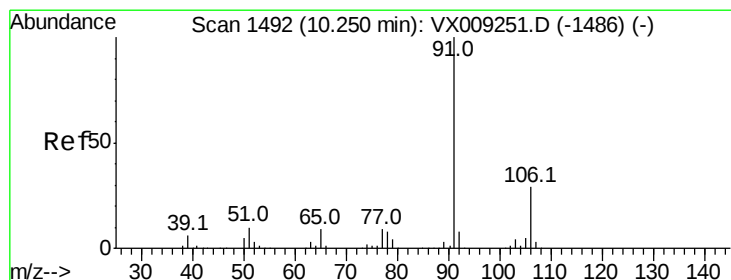
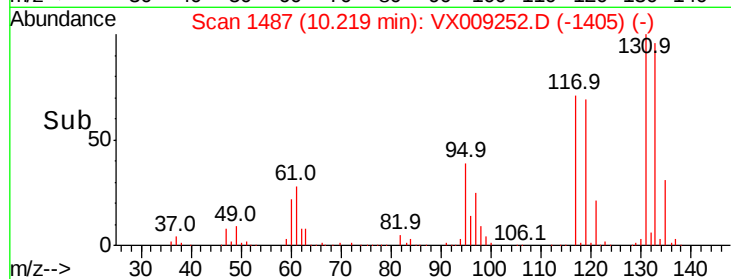
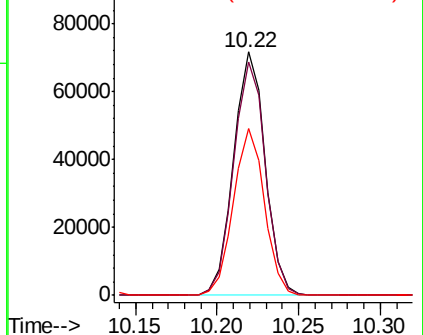
#65
 1,1,1,2-Tetrachloroethane
 Concen: 50.452 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:131 Resp: 96874
 Ion Ratio Lower Upper
 131 100
 133 96.2 0.0 191.2
 119 67.4 0.0 135.4

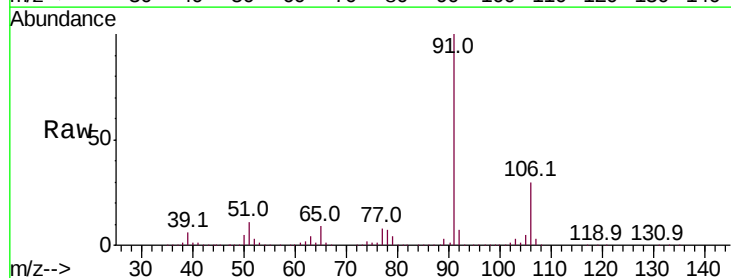


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

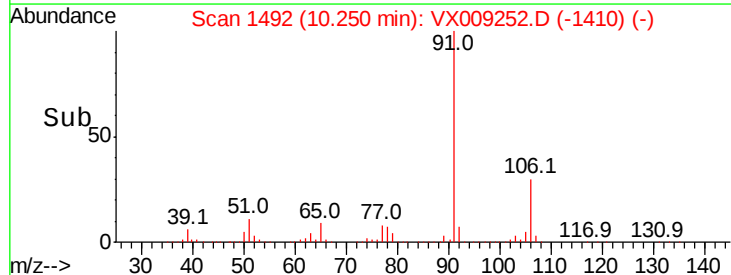
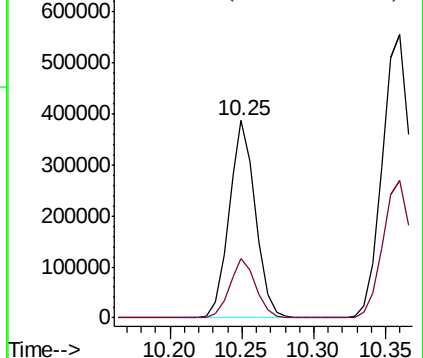


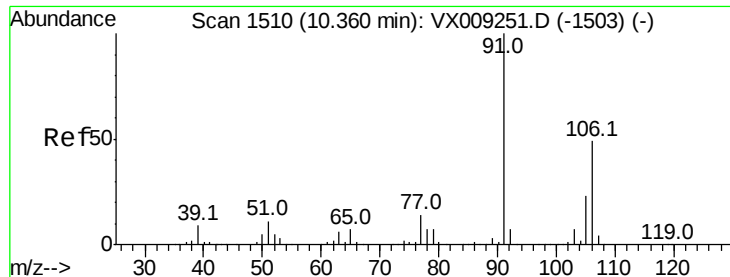
#66
 Ethyl Benzene
 Concen: 49.821 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion: 91 Resp: 494319
 Ion Ratio Lower Upper
 91 100
 106 30.4 23.5 35.3



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





#67

m/p-Xvlenes

Concen: 100.508 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

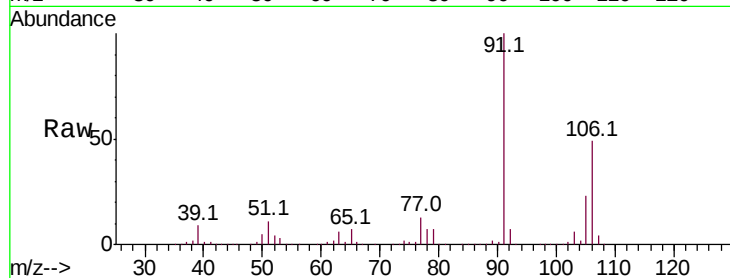
VSTDIC050

Tot Ion:106 Resp: 363145

Ion Ratio Lower Upper

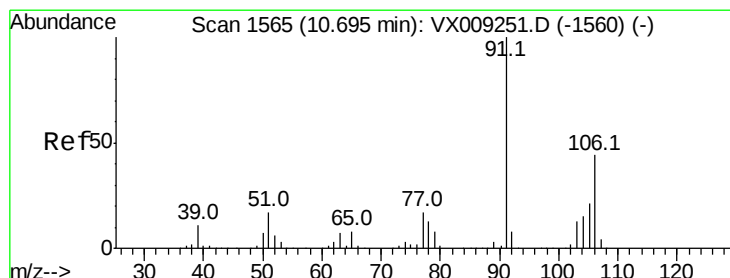
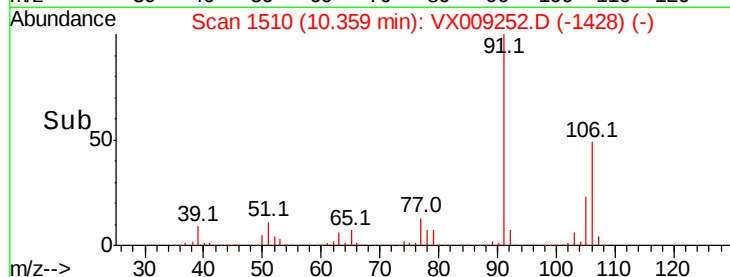
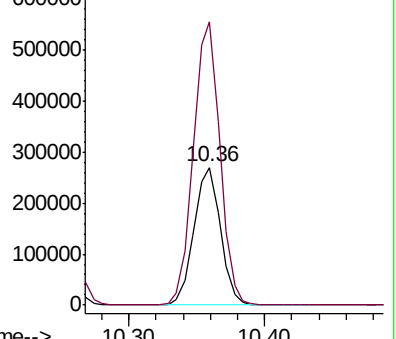
106 100

91 207.0 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 50.131 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009252.D

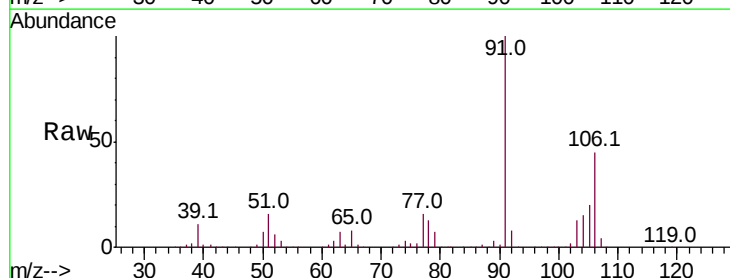
Acq: 01 May 2019 11:53

Tgt Ion:106 Resp: 176091

Ion Ratio Lower Upper

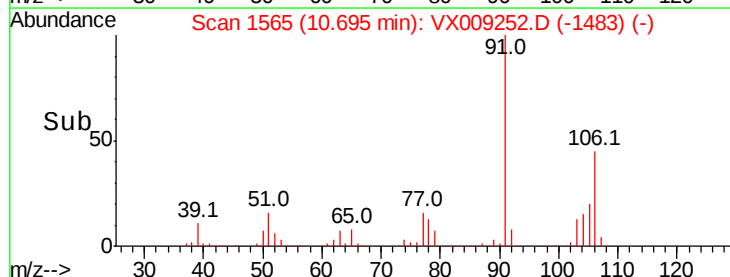
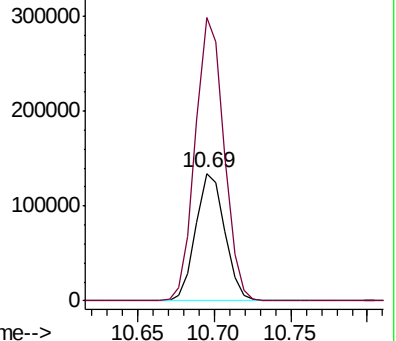
106 100

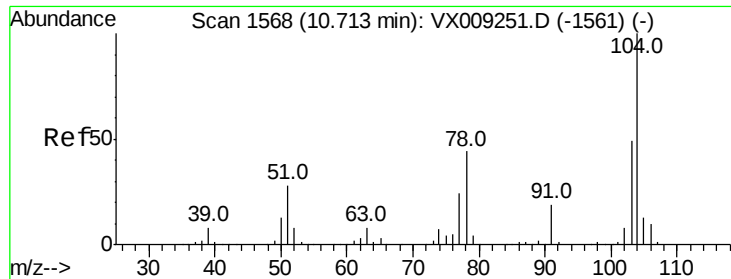
91 220.9 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

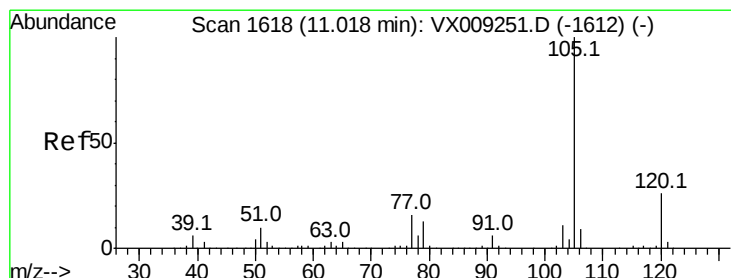
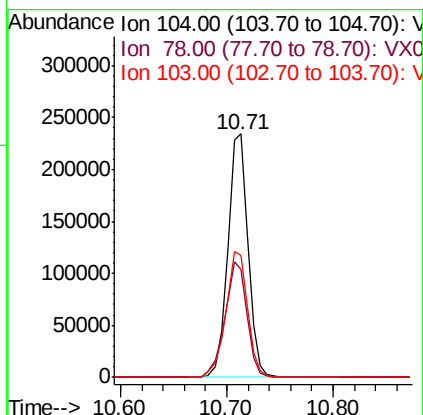
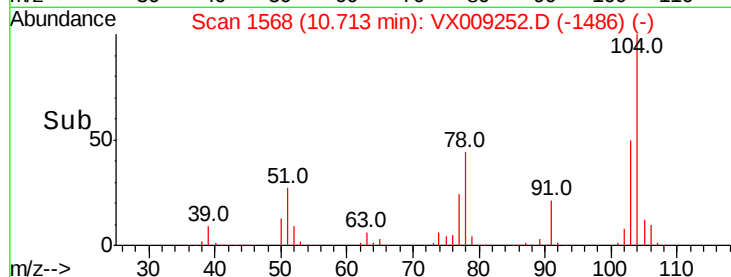
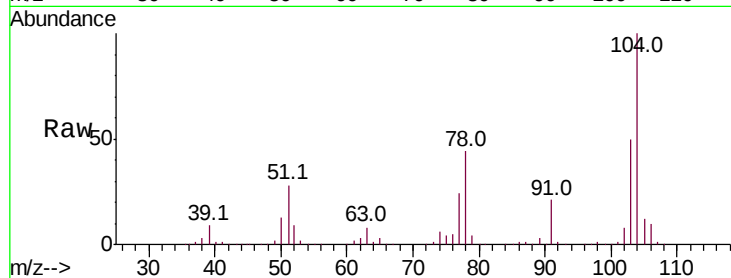




#69
Stvrene
Concen: 50.529 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

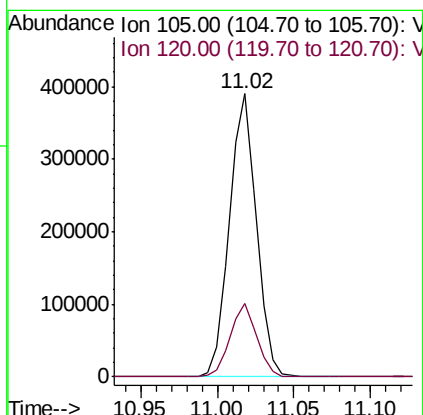
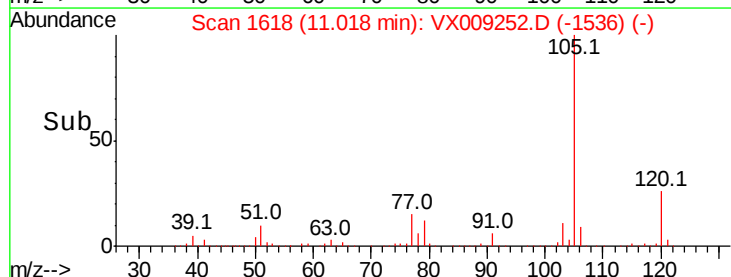
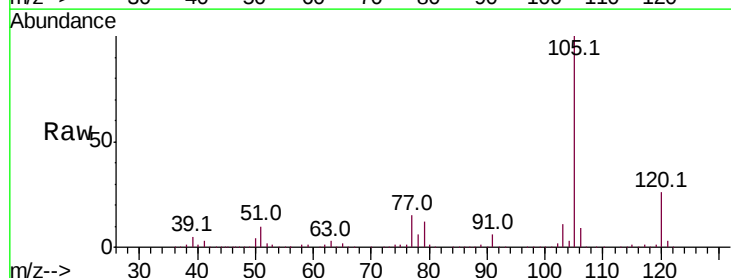
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

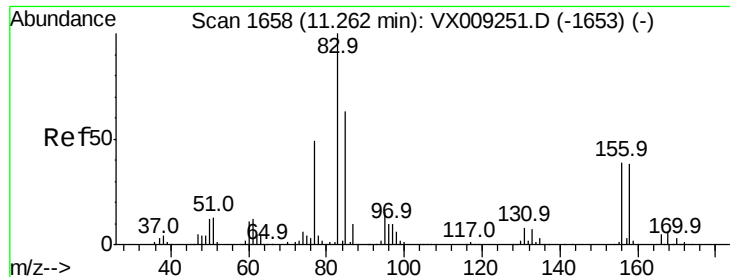
Tot Ion:104 Resp: 311833
Ion Ratio Lower Upper
104 100
78 51.3 41.1 61.7
103 55.3 43.8 65.8



#70
Isopropylbenzene
Concen: 49.888 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion:105 Resp: 477570
Ion Ratio Lower Upper
105 100
120 25.7 18.1 33.7

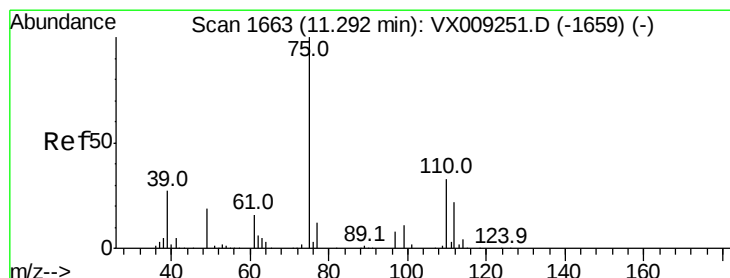
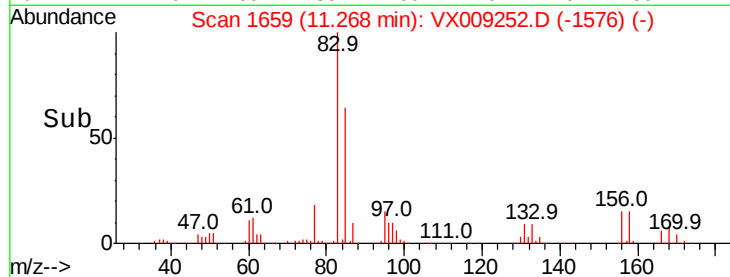
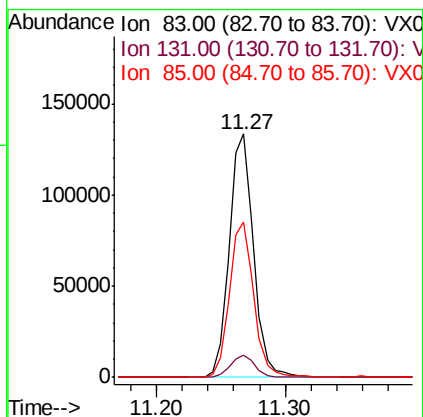
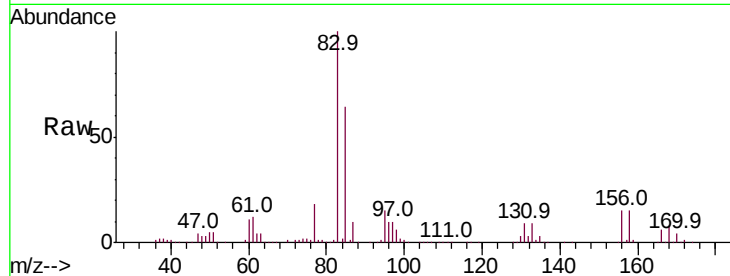




#71
 1,1,2,2-Tetrachloroethane
 Concen: 51.289 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

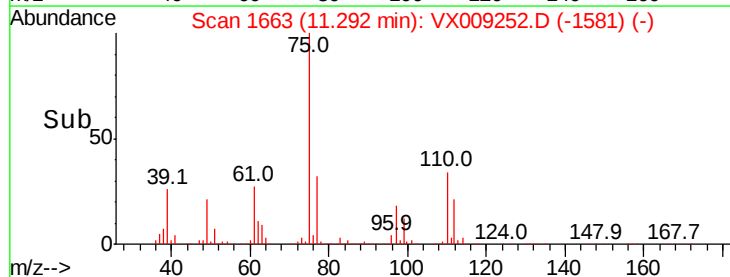
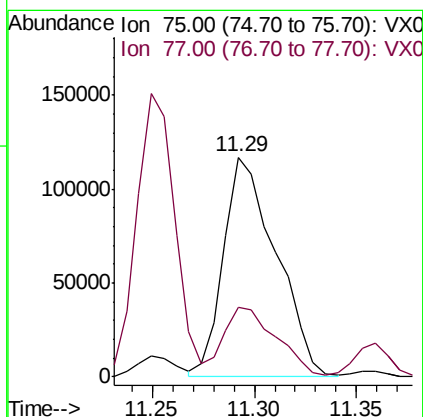
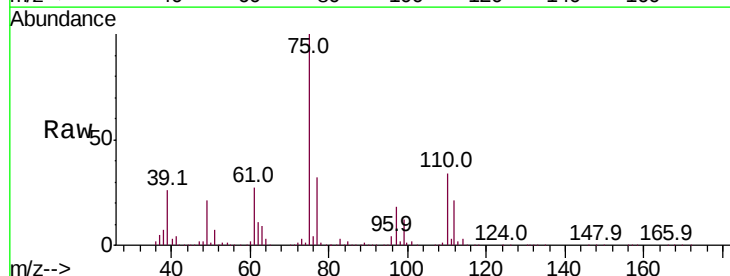
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

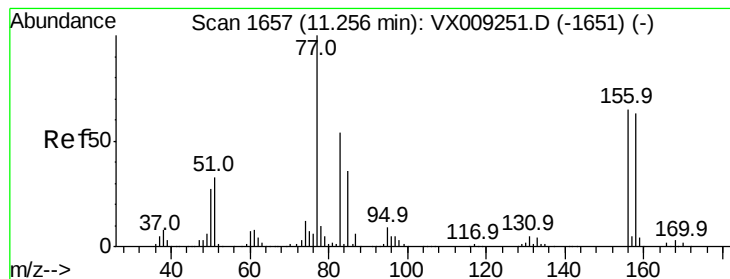
Tot Ion: 83 Resp: 176498
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 63.7 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 69.005 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion: 75 Resp: 209435
 Ion Ratio Lower Upper
 75 100
 77 32.0 0.0 86.4





#73

Bromobenzene

Concen: 49.277 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

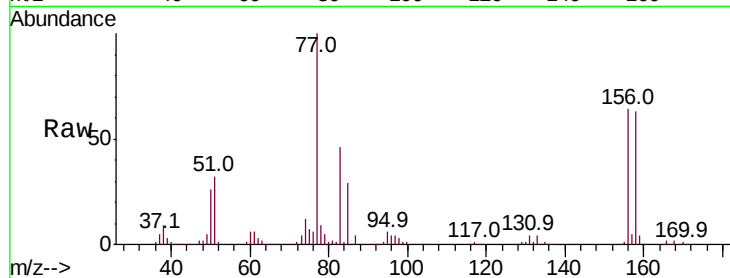
Tot Ion:156 Resp: 116053

Ion Ratio Lower Upper

156 100

77 168.8 0.0 335.6

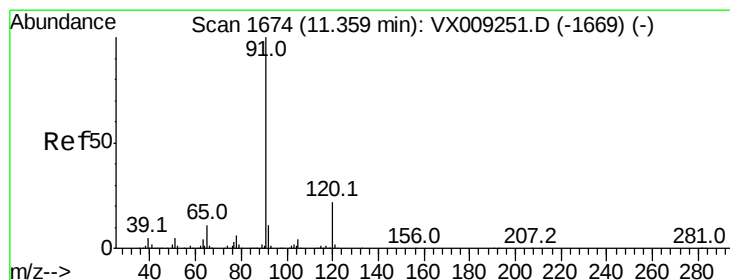
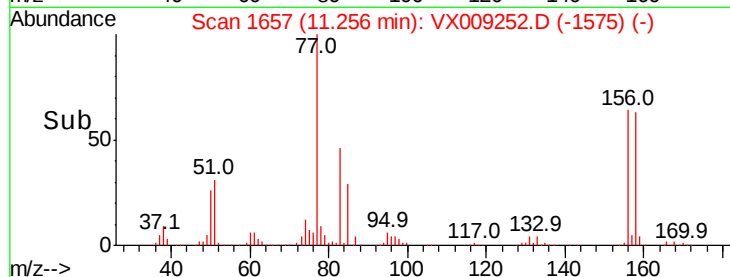
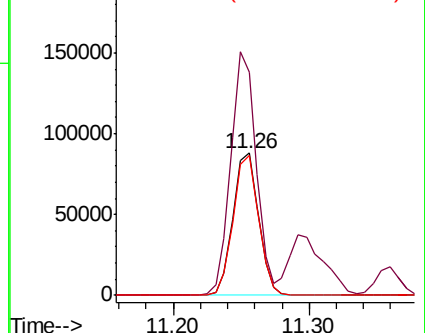
158 98.1 0.0 191.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 50.547 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009252.D

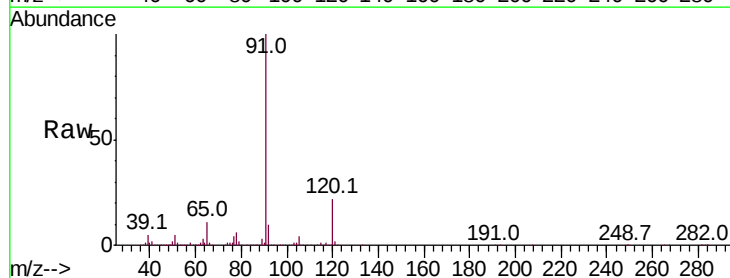
Acq: 01 May 2019 11:53

Tgt Ion: 91 Resp: 555606

Ion Ratio Lower Upper

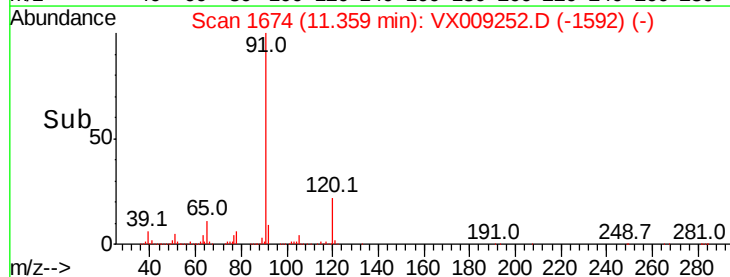
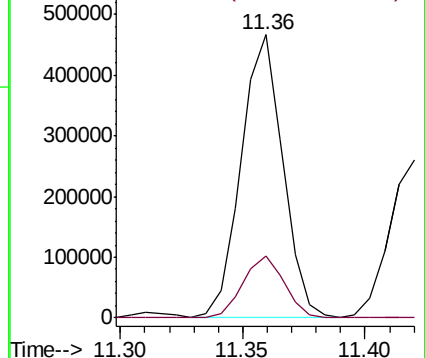
91 100

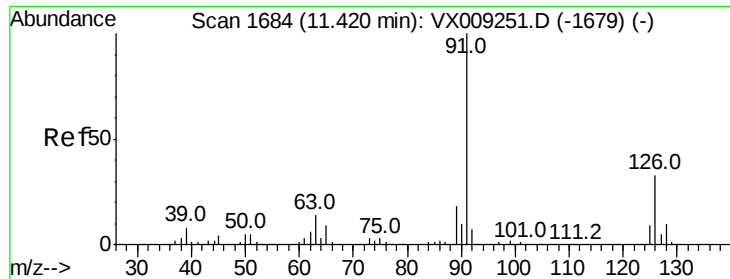
120 21.7 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 49.610 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

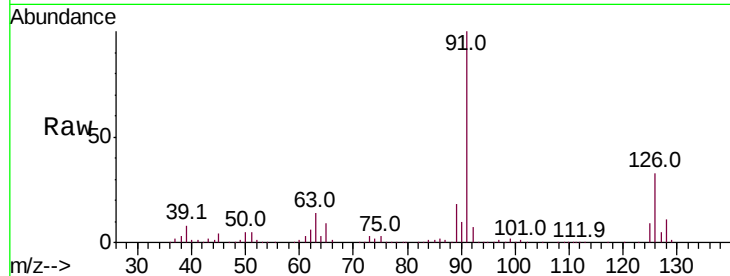
VSTDIC050

Tot Ion: 91 Resp: 328364

Ion Ratio Lower Upper

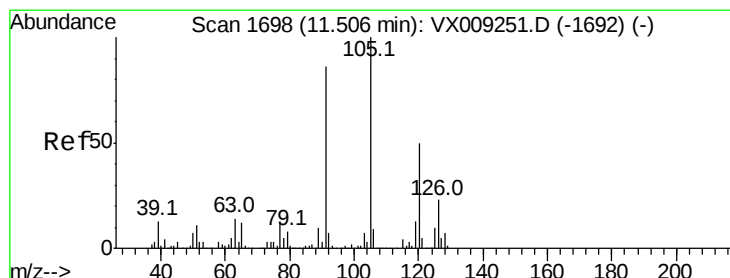
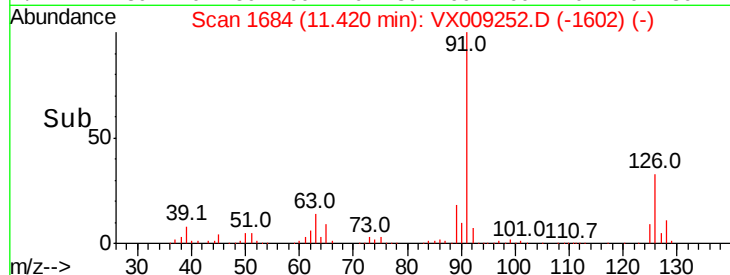
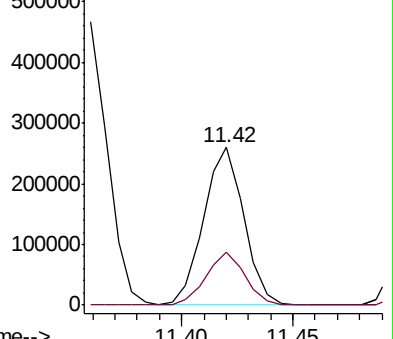
91 100

126 32.3 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 50.103 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009252.D

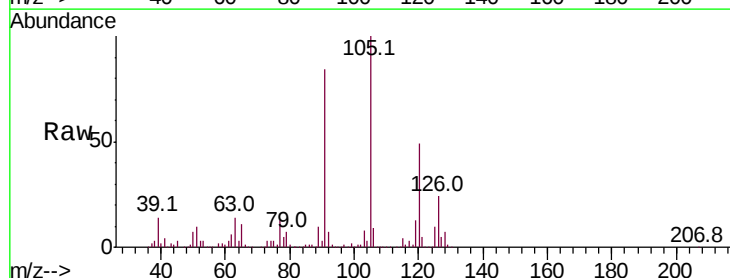
Acq: 01 May 2019 11:53

Tgt Ion: 105 Resp: 402775

Ion Ratio Lower Upper

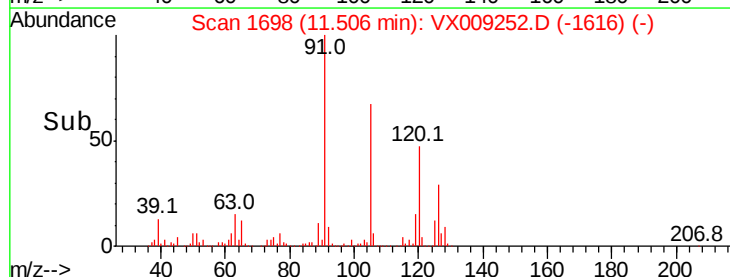
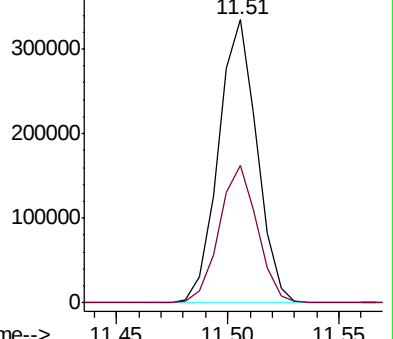
105 100

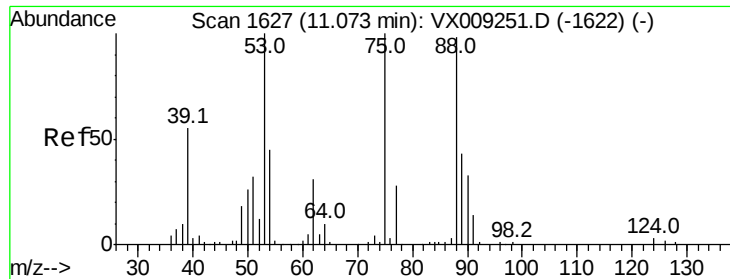
120 47.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)



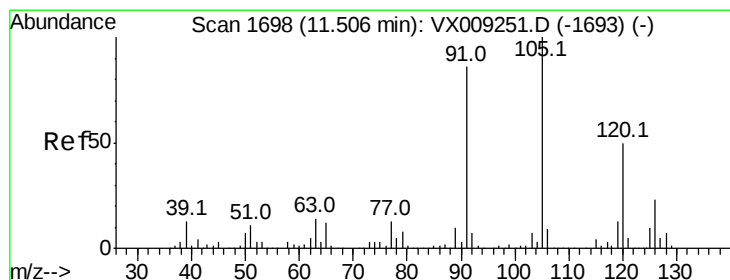
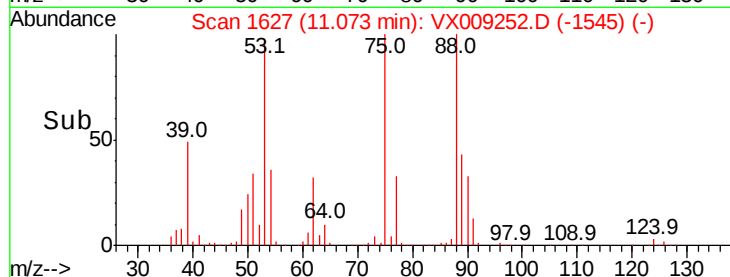
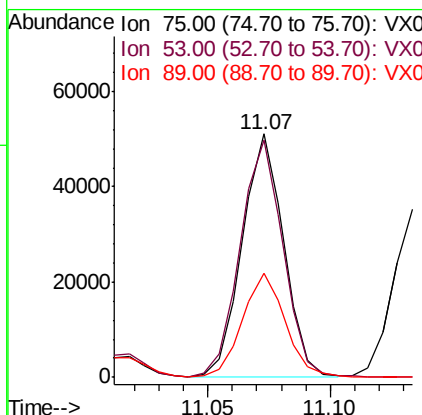
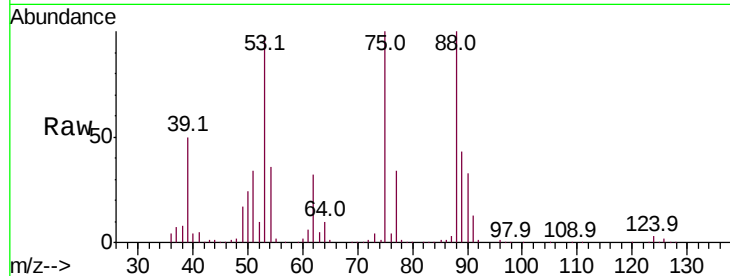


#77
t-1,4-Dichloro-2-butene
Concen: 54.102 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 75 Resp: 60594

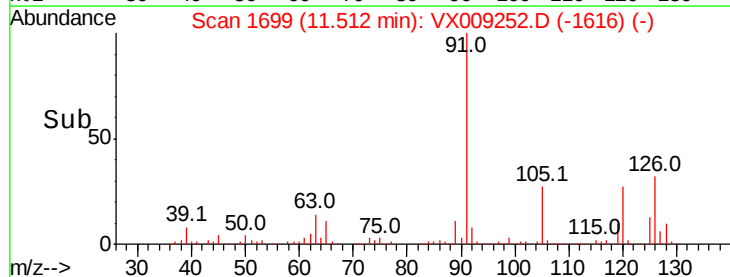
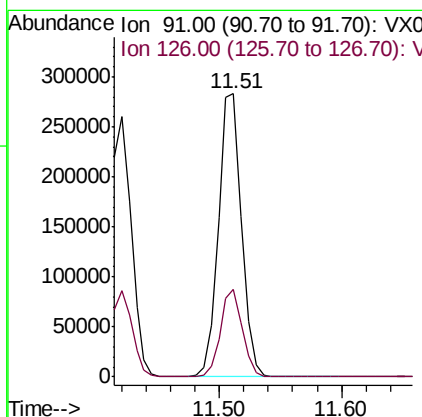
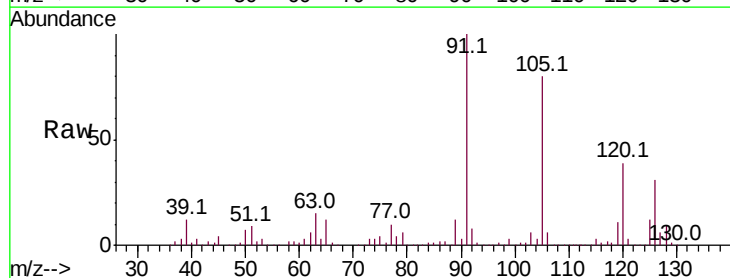
Ion	Ratio	Lower	Upper
75	100		
53	97.4	50.0	149.8
89	42.9	21.6	65.0

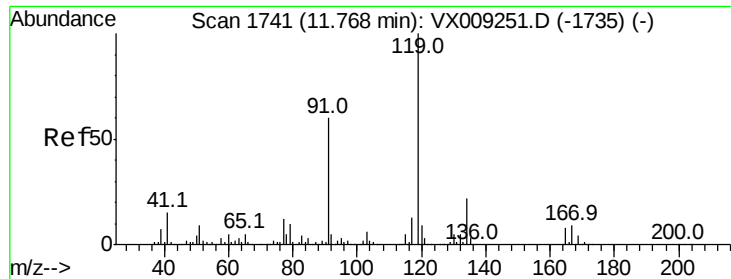


#78
4-Chlorotoluene
Concen: 50.303 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion: 91 Resp: 372689

Ion	Ratio	Lower	Upper
91	100		
126	29.1	0.0	57.0

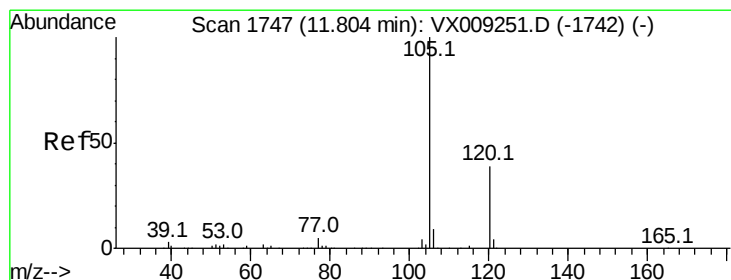
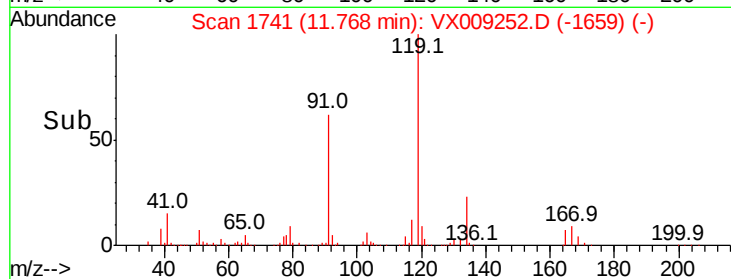
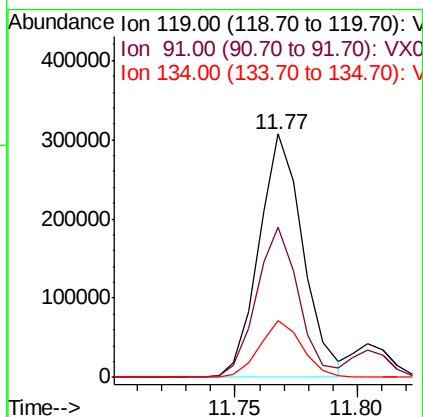
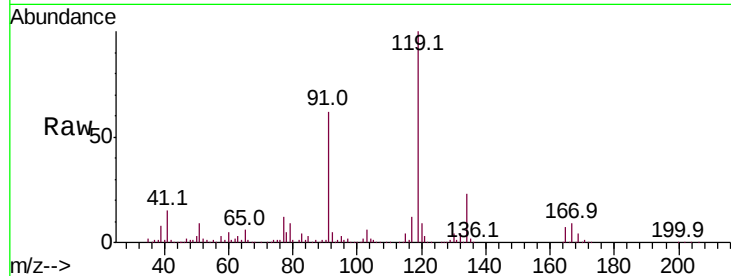




#79
tert-butylbenzene
Concen: 49.928 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

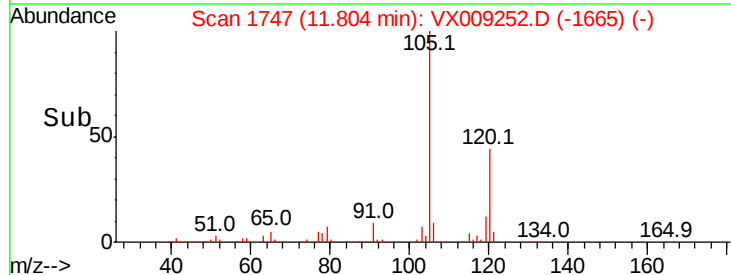
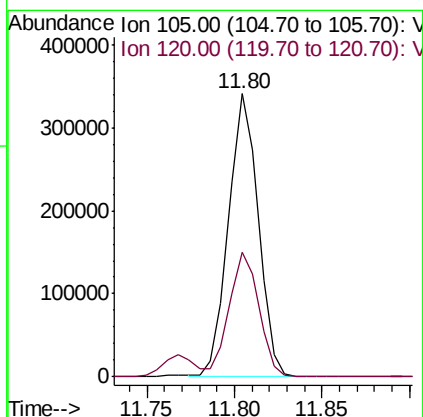
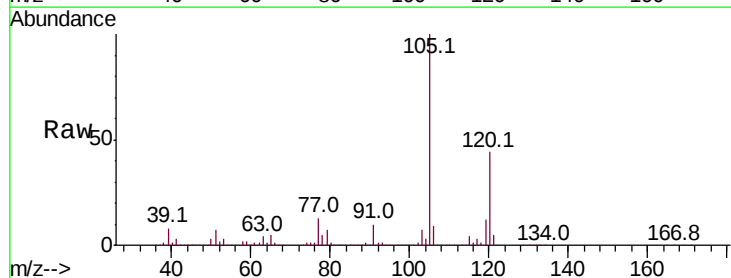
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

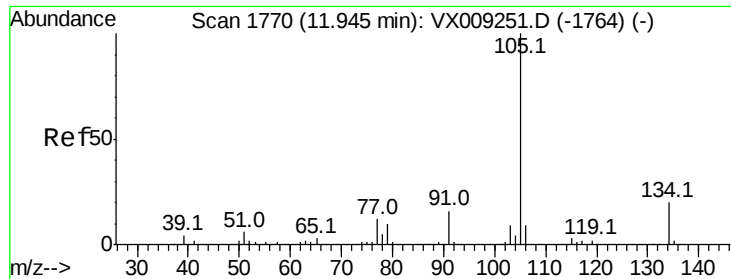
Tot Ion:119 Resp: 387704
Ion Ratio Lower Upper
119 100
91 59.4 0.0 118.2
134 22.4 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 50.505 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion:105 Resp: 405448
Ion Ratio Lower Upper
105 100
120 44.3 0.0 89.6

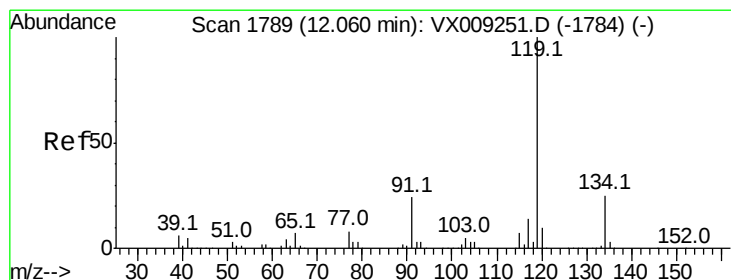
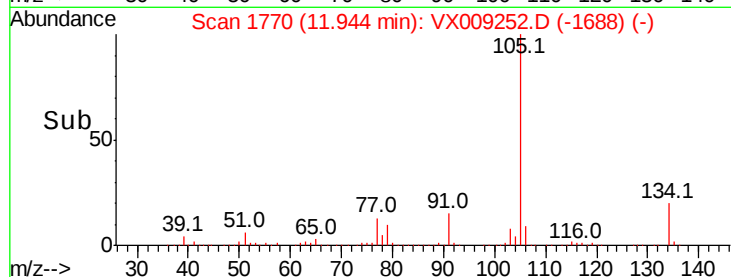
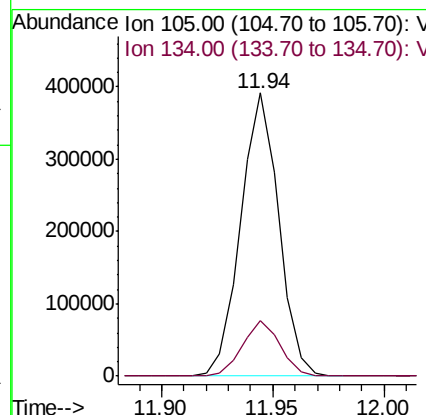
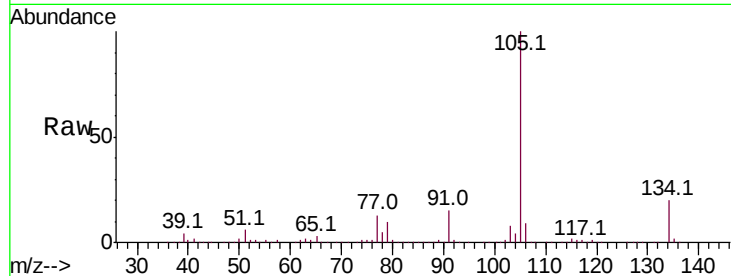




#81
 sec-Butylbenzene
 Concen: 50.635 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

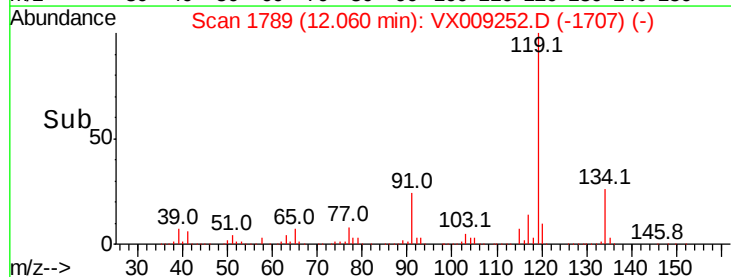
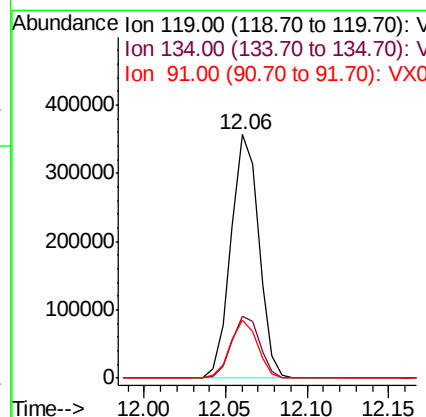
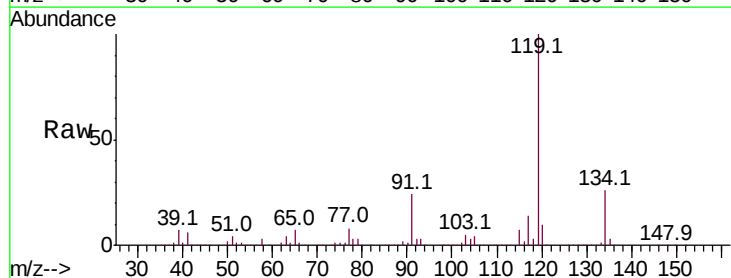
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

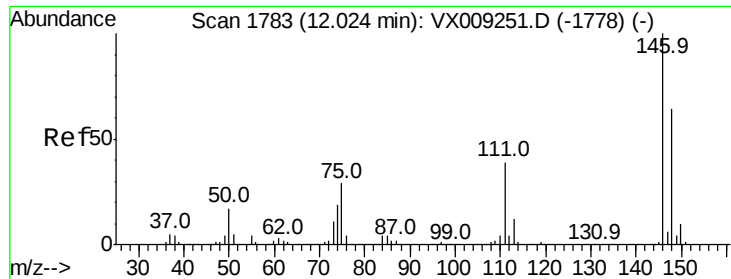
Tot Ion:105 Resp: 465736
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 50.949 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion:119 Resp: 425227
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 50.8
 91 23.3 0.0 47.2





#83

1,3-Dichlorobenzene

Concen: 50.728 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

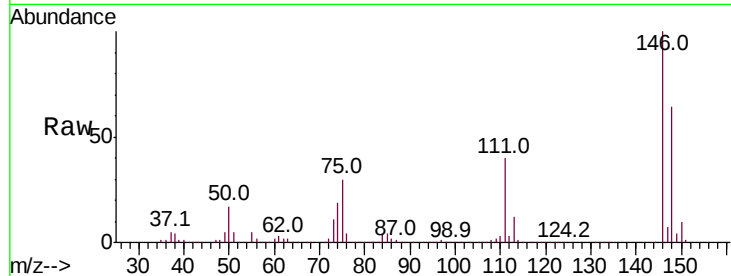
Tot Ion:146 Resp: 207126

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

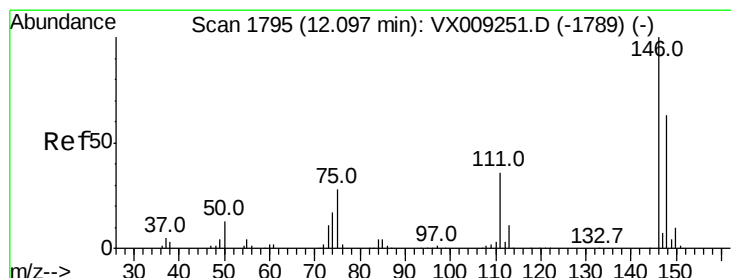
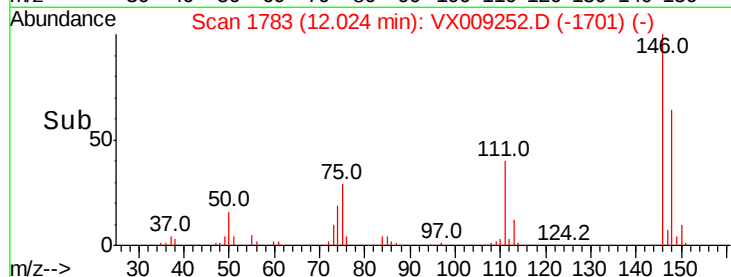
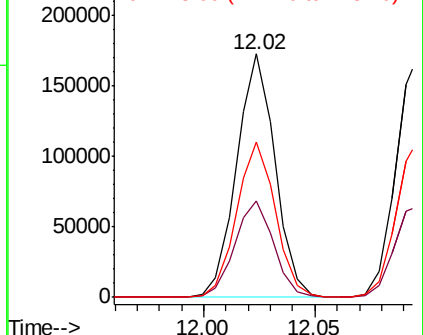
148 64.5 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 51.437 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

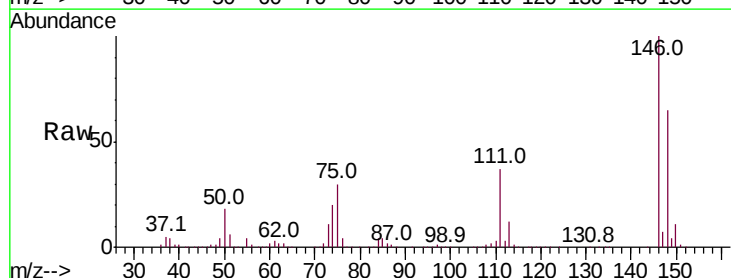
Tgt Ion:146 Resp: 206869

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

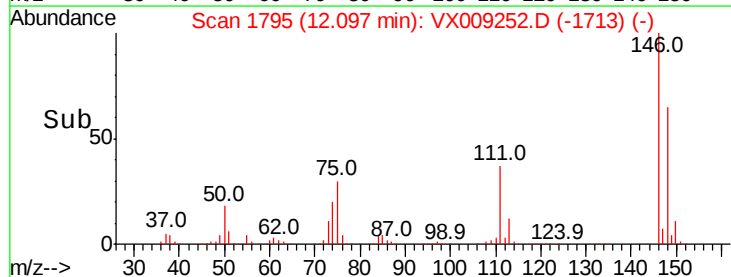
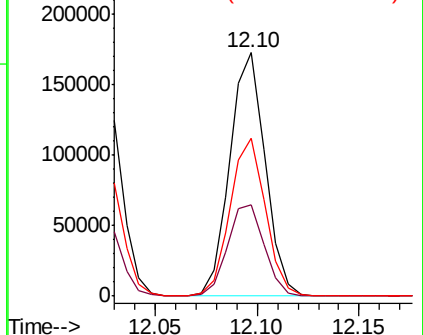
148 64.7 32.3 96.8

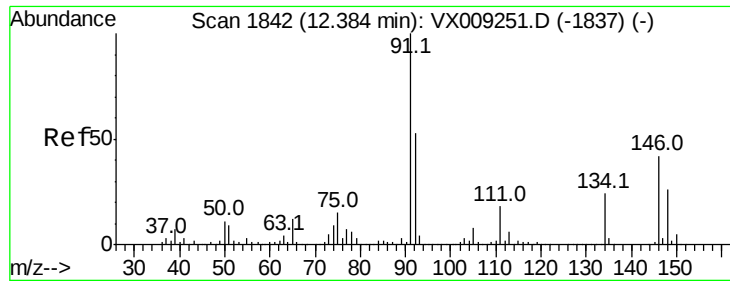


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

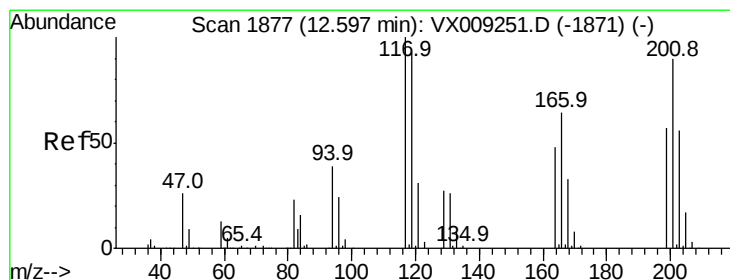
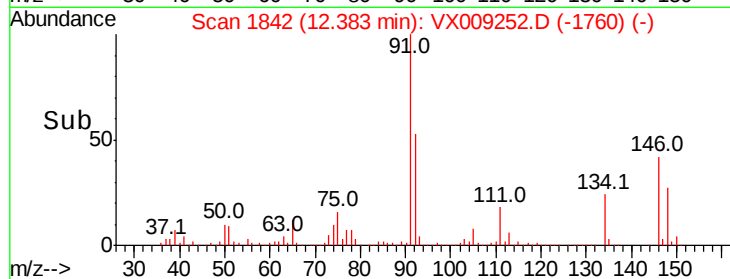
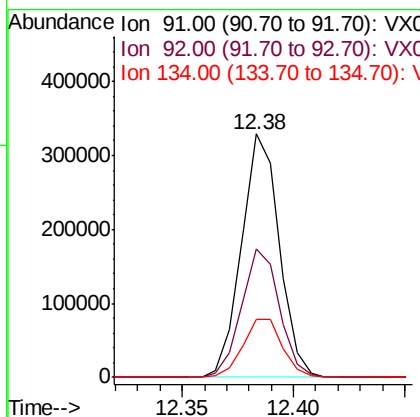
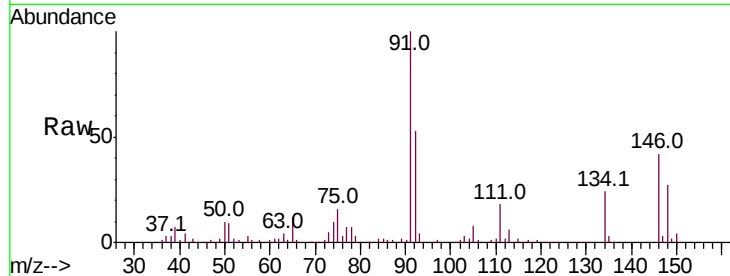




#85
n-Butylbenzene
Concen: 52.600 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

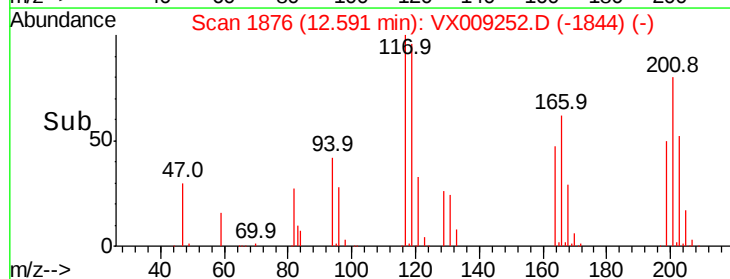
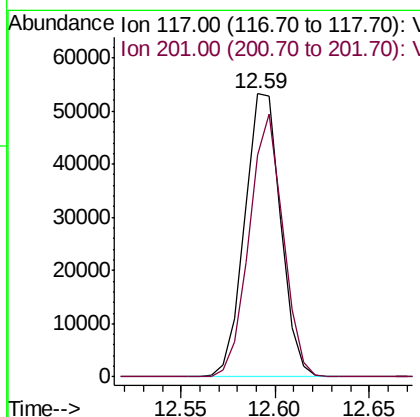
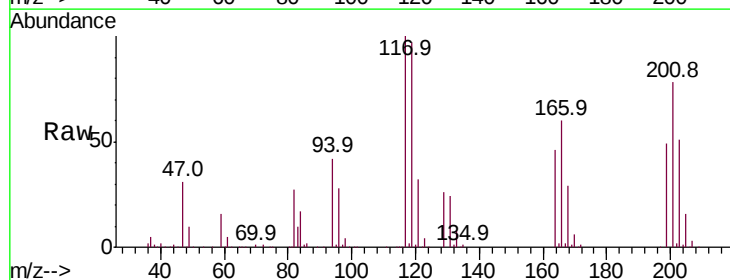
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

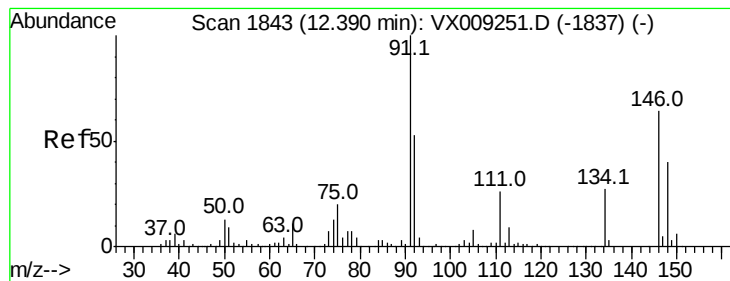
Tot Ion: 91 Resp: 389640
Ion Ratio Lower Upper
91 100
92 53.2 0.0 106.6
134 25.0 0.0 50.0



#86
Hexachloroethane
Concen: 49.749 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009252.D
Acq: 01 May 2019 11:53

Tgt Ion: 117 Resp: 70488
Ion Ratio Lower Upper
117 100
201 87.1 41.8 125.4





#87

1,2-Dichlorobenzene

Concen: 50.277 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

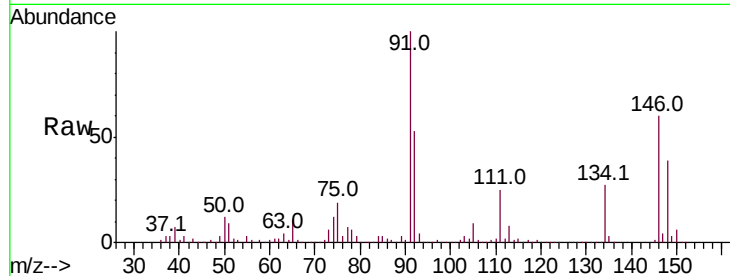
Tot Ion:146 Resp: 209792

Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.2

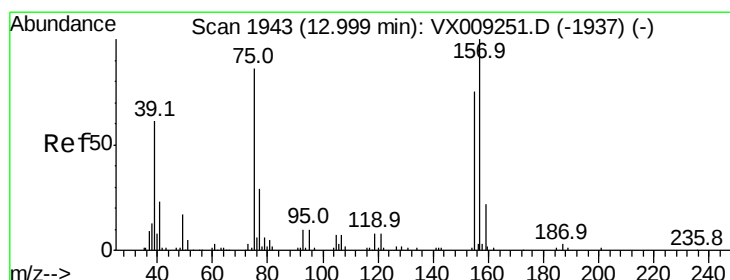
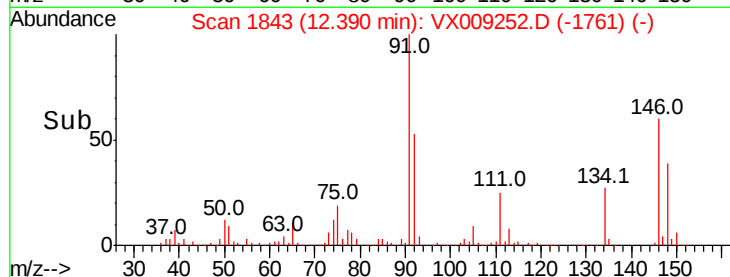
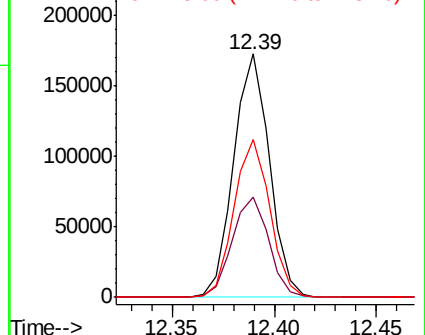
148 65.1 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 53.365 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

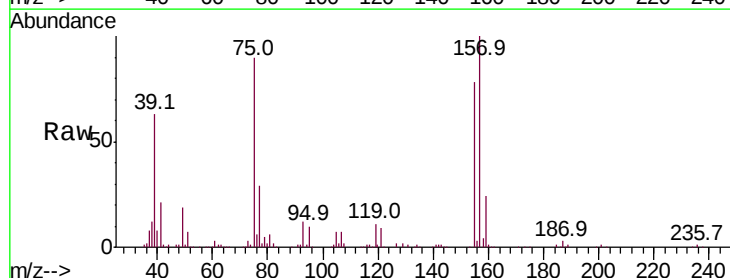
Tgt Ion: 75 Resp: 42392

Ion Ratio Lower Upper

75 100

155 82.2 65.9 98.9

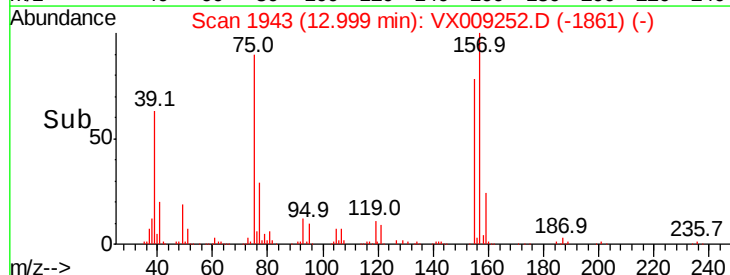
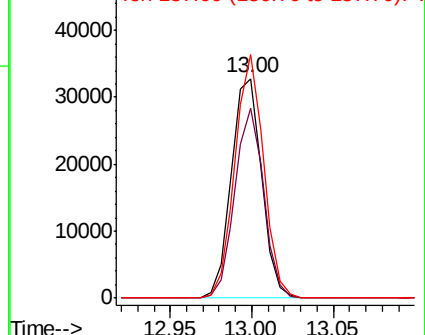
157 105.1 85.2 127.8

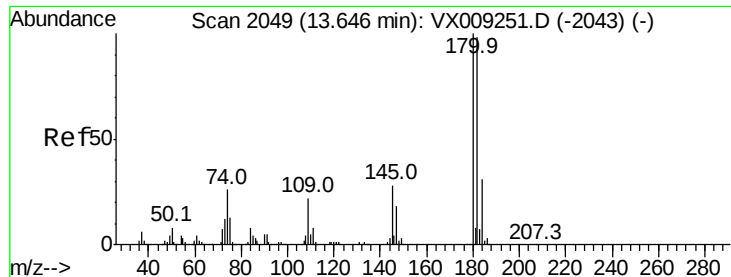


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

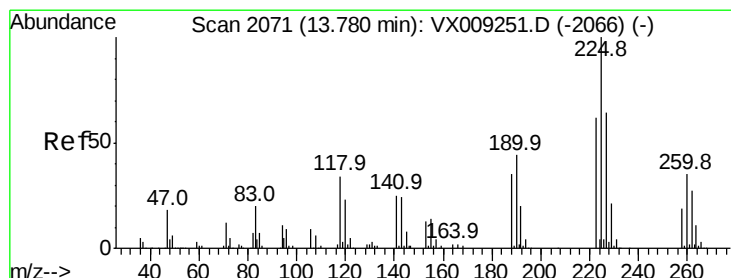
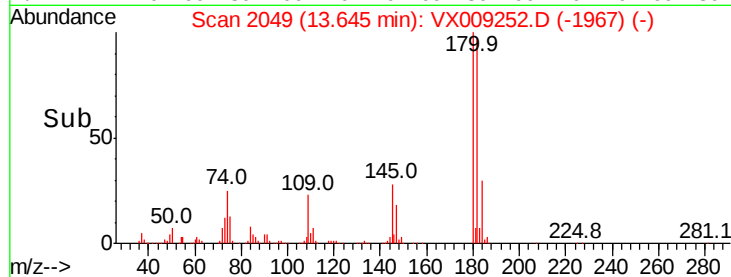
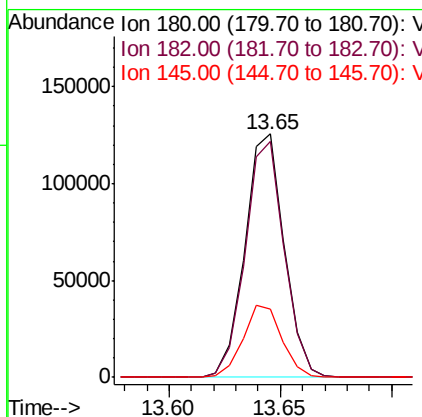
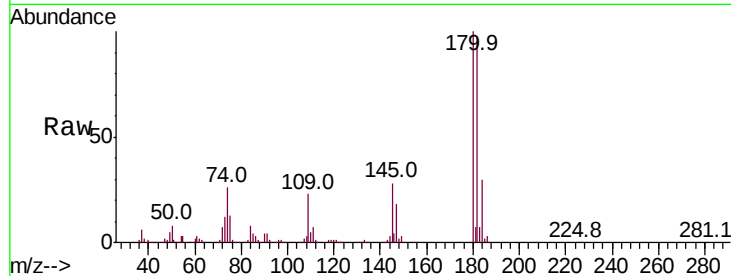




#89
 1,2,4-Trichlorobenzene
 Concen: 54.181 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

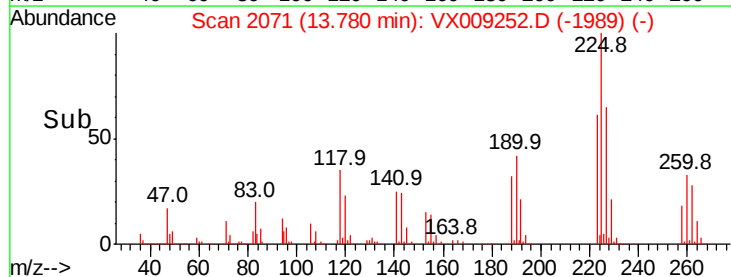
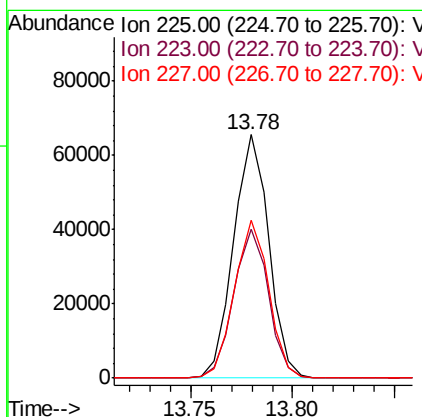
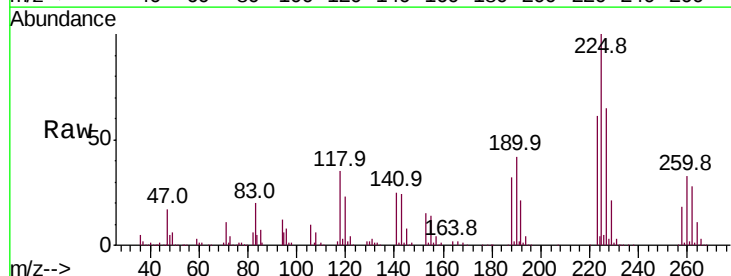
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

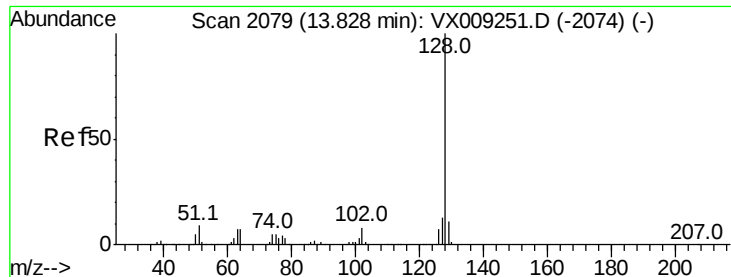
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
145	29.5	23.0	34.6



#90
 Hexachlorobutadiene
 Concen: 53.973 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009252.D
 Acq: 01 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	0.0	126.6
227	63.4	0.0	130.0





#91

Naphthalene

Concen: 52.085 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

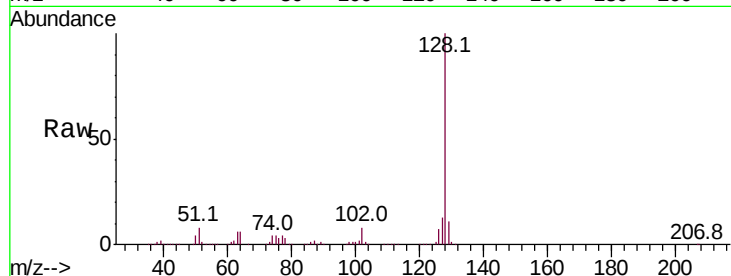
Tot Ion:128 Resp: 509771

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

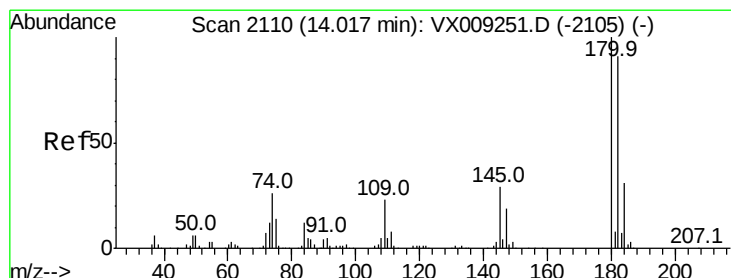
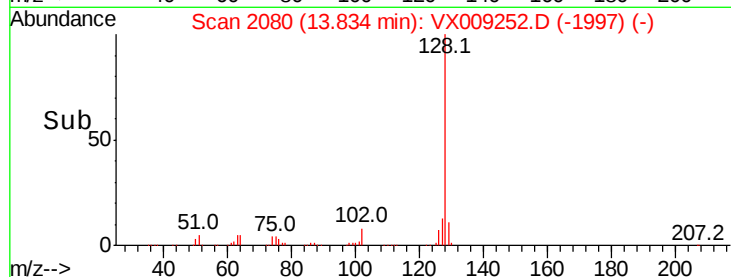
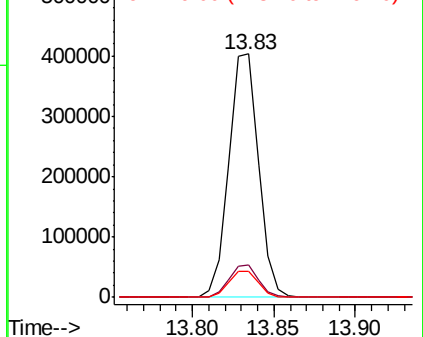
129 10.8 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 51.870 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009252.D

Acq: 01 May 2019 11:53

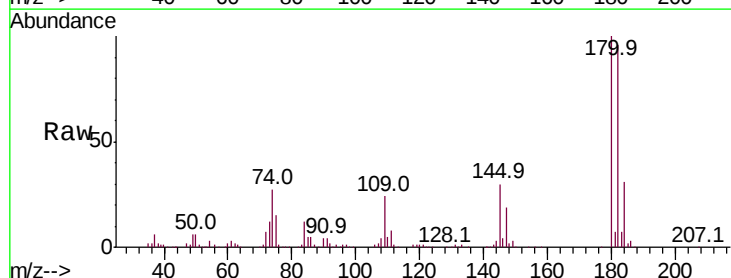
Tgt Ion:180 Resp: 155912

Ion Ratio Lower Upper

180 100

182 95.7 0.0 189.0

145 30.6 0.0 61.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

