

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009262.D
 Acq On : 01 May 2019 18:24
 Operator : JC/SP
 Sample : VX0501WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Quant Time: May 02 06:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31042	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	177434	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	158173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75486	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.13	95	78985	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	8.71	98	226176	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30899	18.733	ug/l 96
3) Chloromethane	1.32	50	42636	19.230	ug/l 98
4) Vinyl Chloride	1.40	62	41435	18.733	ug/l 98
5) Bromomethane	1.64	94	25649	18.294	ug/l 98
6) Chloroethane	1.72	64	26082	17.981	ug/l 100
7) Trichlorofluoromethane	1.93	101	51257	18.767	ug/l 98
8) Diethyl Ether	2.19	74	23971	18.902	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31946	18.892	ug/l 99
10) 1,1-Dichloroethene	2.37	96	31509	18.558	ug/l 98
11) Methyl Iodide	2.51	142	32920	17.836	ug/l 97
12) Methyl Acetate	2.77	43	60259	18.842	ug/l 97
13) Acrolein	2.29	56	37842	86.273	ug/l 99
14) Acrylonitrile	3.14	53	132362	95.368	ug/l 99
15) Acetone	2.44	58	36635	91.936	ug/l 97
16) Carbon Disulfide	2.57	76	84420	18.376	ug/l 100
17) Allyl chloride	2.73	41	76480	18.762	ug/l 96
18) Methylene Chloride	2.85	84	38917	18.965	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	34139	18.858	ug/l 98
20) Diisopropyl ether	3.85	45	151731	18.902	ug/l 98
21) 1,1-Dichloroethane	3.70	63	73115	18.821	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	41224	18.905	ug/l 99
23) tert-Butyl Alcohol	3.04	59	55104	93.896	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	124855	18.790	ug/l 100
25) Chloroform	5.21	83	66527	18.766	ug/l 96
26) Cyclohexane	5.58	56	68107	18.811	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	50417	19.365	ug/l 99
30) 2-Butanone	4.67	43	198047	97.132	ug/l 99
31) 2,2-Dichloropropane	4.59	77	54217	18.889	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	53878	19.089	ug/l 99
33) Carbon Tetrachloride	5.79	117	44848	18.991	ug/l 99
34) Benzene	6.14	78	155627	19.389	ug/l 99
35) Methacrylonitrile	5.04	41	42502	19.924	ug/l 95
36) 1,2-Dichloroethane	6.19	62	56031	19.238	ug/l 100
37) Trichloroethene	7.21	130	36231	18.751	ug/l 96
38) Methylcyclohexane	7.46	83	62009	19.278	ug/l 98
39) 1,2-Dichloropropane	7.51	63	44902	19.644	ug/l 97
40) Dibromomethane	7.66	93	25181	19.410	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	50238	18.958	ug/l	96
42) Vinyl Acetate	3.81	43	662033	98.378	ug/l	99
43) Ethyl Acetate	4.83	43	72984	19.809	ug/l	99
44) Isopropyl Acetate	6.45	43	114396	19.166	ug/l	99
45) 1,4-Dioxane	7.74	88	23331	398.142	ug/l	98
46) Methyl methacrylate	7.77	41	56750	19.049	ug/l	98
47) n-amyl Acetate	10.90	43	98601	18.338	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	56858	18.389	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	63714	18.771	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	39650	19.949	ug/l	98
51) Ethyl methacrylate	9.18	69	70177	19.106	ug/l	98
52) 1,3-Dichloropropane	9.37	76	69053	19.576	ug/l	99
53) Dibromochloromethane	9.58	129	37054	18.719	ug/l	98
54) 1,2-Dibromoethane	9.67	107	39732	19.491	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	200007	102.189	ug/l	100
56) Bromoform	10.85	173	27214	17.910	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	380951	97.949	ug/l	100
59) 2-Hexanone	9.49	43	295525	96.876	ug/l	99
61) Tetrachloroethene	9.34	164	33637	19.291	ug/l	99
62) Toluene	8.78	91	164685	19.485	ug/l	100
64) Chlorobenzene	10.13	112	96397	18.951	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	34898	18.737	ug/l	100
66) Ethyl Benzene	10.25	91	178068	18.912	ug/l	99
67) m/p-Xylenes	10.36	106	132194	38.453	ug/l	99
68) o-Xylene	10.69	106	65144	19.272	ug/l	98
69) Styrene	10.71	104	110569	18.633	ug/l	99
70) Isopropylbenzene	11.02	105	172546	18.980	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63879	19.187	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	74907	26.108	ug/l	82
73) Bromobenzene	11.26	156	42147	18.764	ug/l	99
74) n-propylbenzene	11.36	91	199112	18.900	ug/l	100
75) 2-Chlorotoluene	11.42	91	120240	19.029	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	146826	19.067	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19880	17.178	ug/l	92
78) 4-Chlorotoluene	11.51	91	134693	18.768	ug/l	100
79) tert-butylbenzene	11.77	119	140188	18.832	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	146104	18.930	ug/l	100
81) sec-Butylbenzene	11.94	105	167089	18.892	ug/l	99
82) p-Isopropyltoluene	12.06	119	151319	18.808	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	74162	18.488	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	73500	18.392	ug/l	99
85) n-Butylbenzene	12.38	91	133278	18.104	ug/l	100
86) Hexachloroethane	12.60	117	24944	18.220	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	75281	18.644	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14533	18.784	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	53292	18.517	ug/l	100
90) Hexachlorobutadiene	13.78	225	25802	17.948	ug/l	99
91) Naphthalene	13.83	128	184061	19.533	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	55534	18.983	ug/l	99

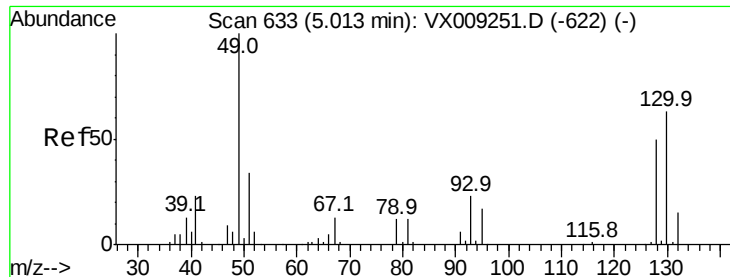
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

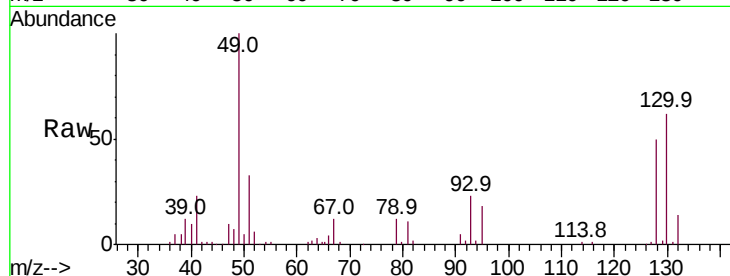
Tot Ion:128 Resp: 31042

Ion Ratio Lower Upper

128 100

49 203.3 0.0 515.0

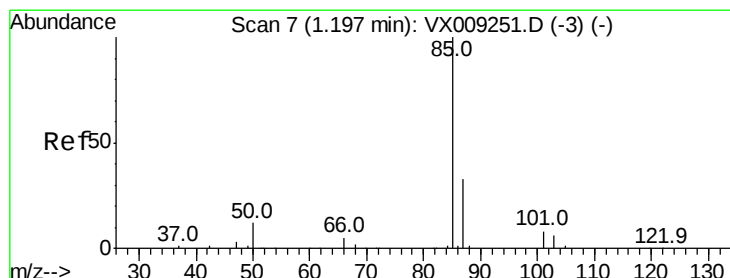
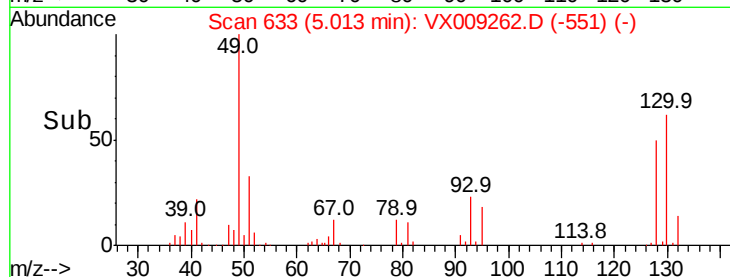
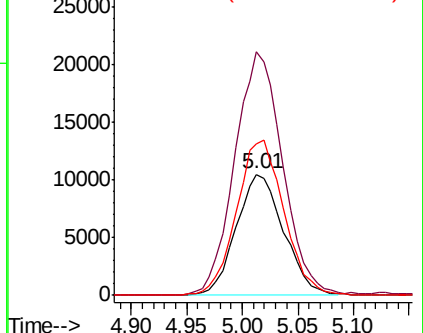
130 128.2 0.0 323.3



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: 18.733 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009262.D

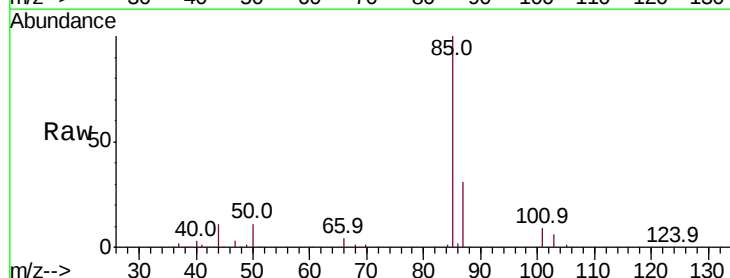
Acq: 01 May 2019 18:24

Tgt Ion: 85 Resp: 30899

Ion Ratio Lower Upper

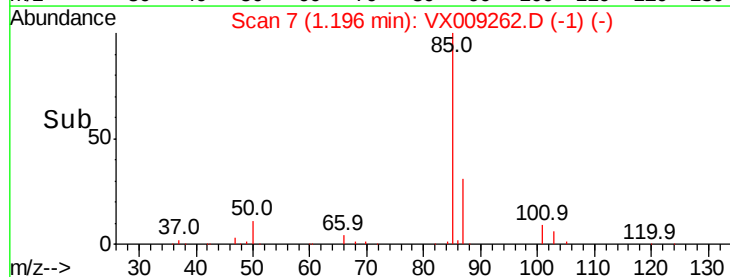
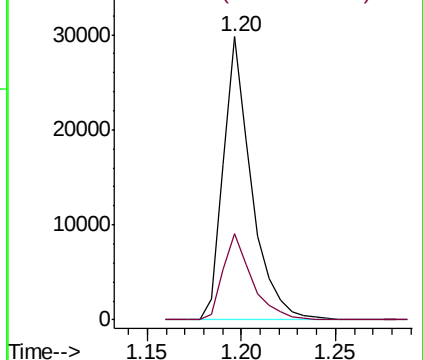
85 100

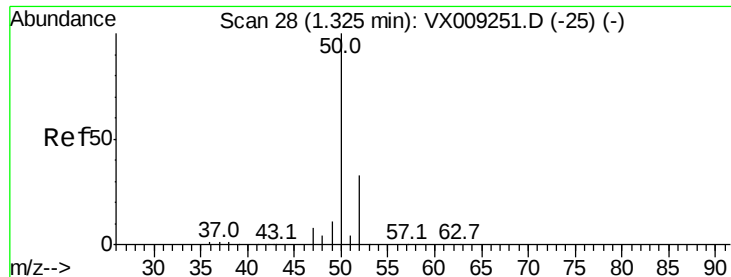
87 30.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.230 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

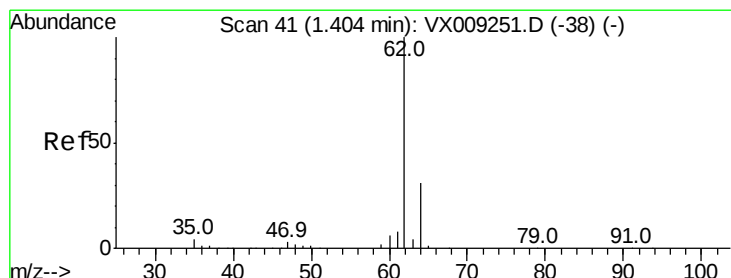
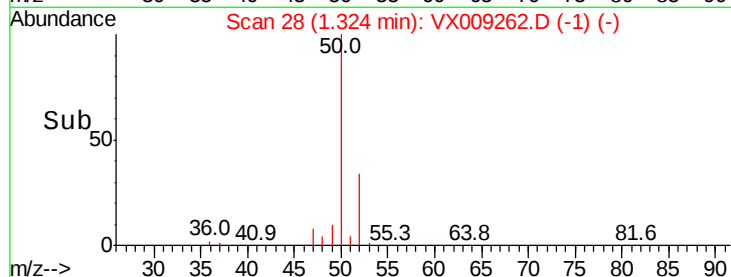
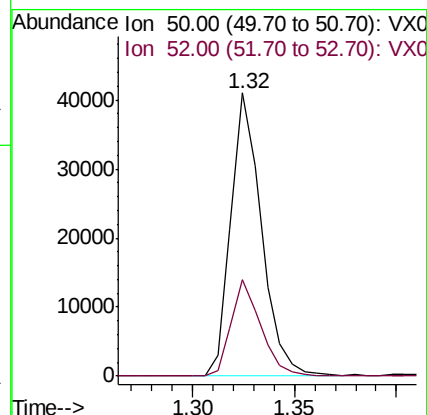
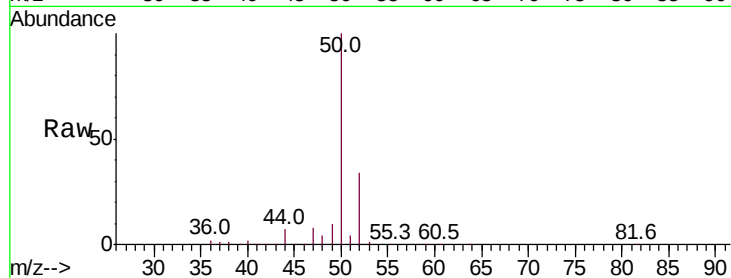
VX0501WBSD01

Tot Ion: 50 Resp: 42636

Ion Ratio Lower Upper

50 100

52 33.9 26.3 39.5



#4

Vinyl Chloride

Concen: 18.733 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009262.D

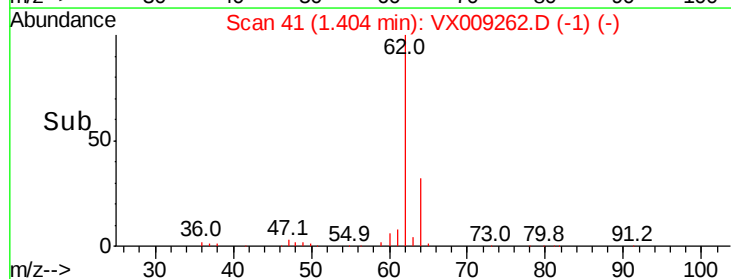
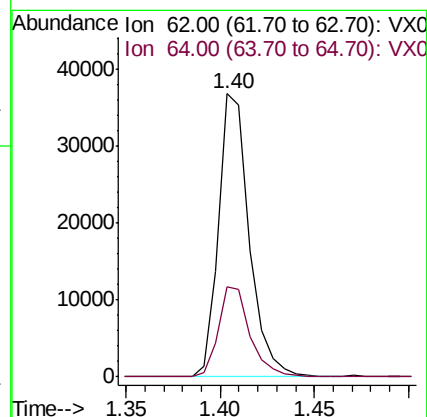
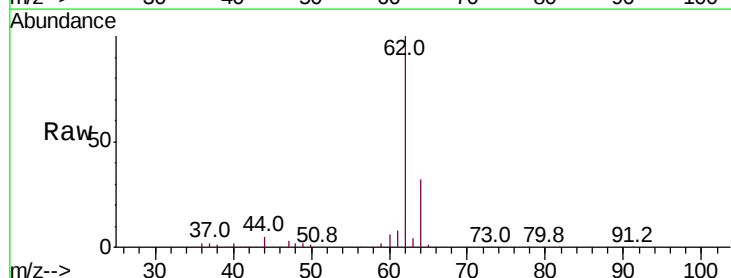
Acq: 01 May 2019 18:24

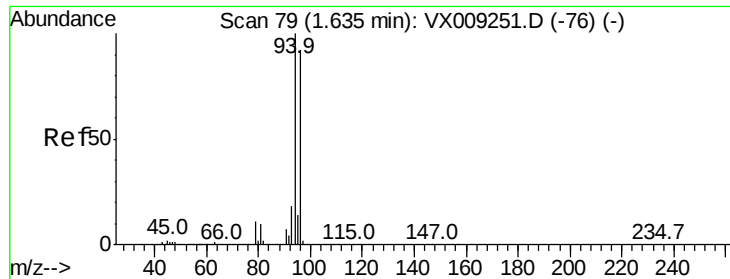
Tgt Ion: 62 Resp: 41435

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 18.294 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

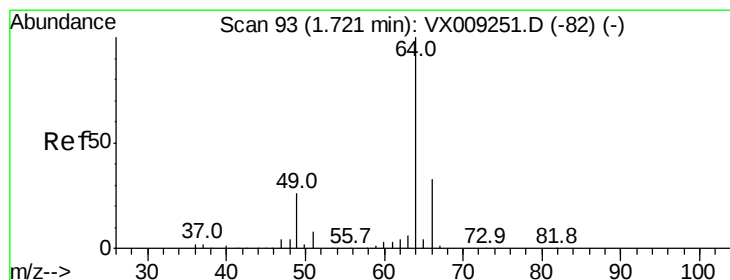
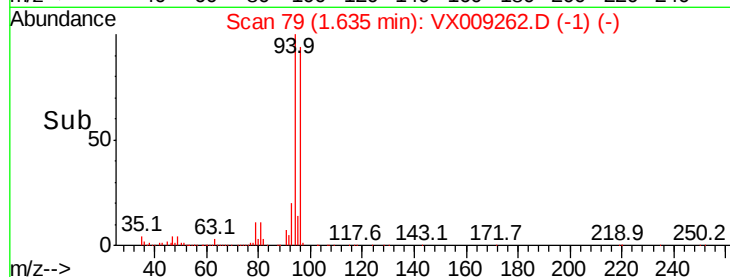
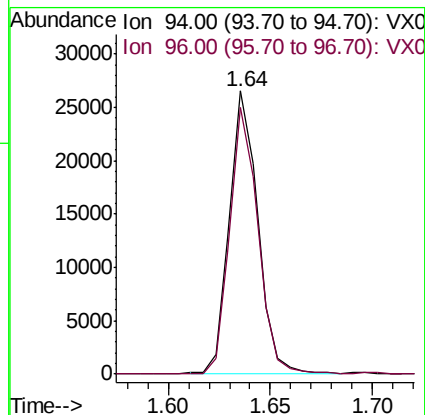
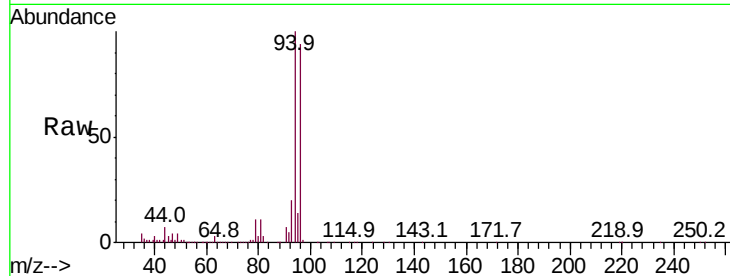
VX0501WBSD01

Tot Ion: 94 Resp: 25649

Ion Ratio Lower Upper

94 100

96 94.2 73.5 110.3



#6

Chloroethane

Concen: 17.981 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009262.D

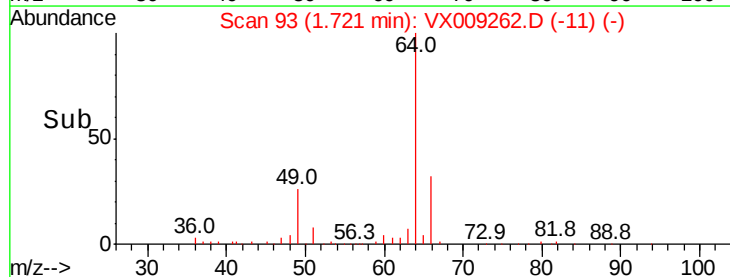
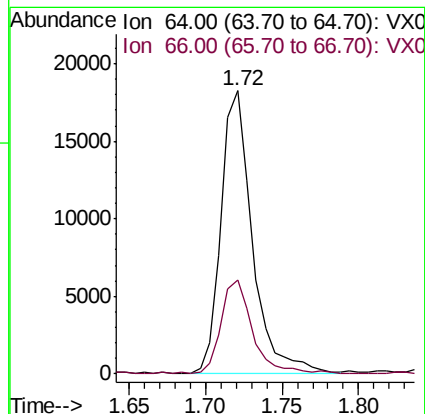
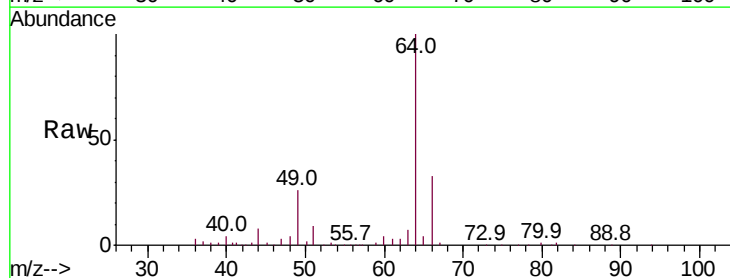
Acq: 01 May 2019 18:24

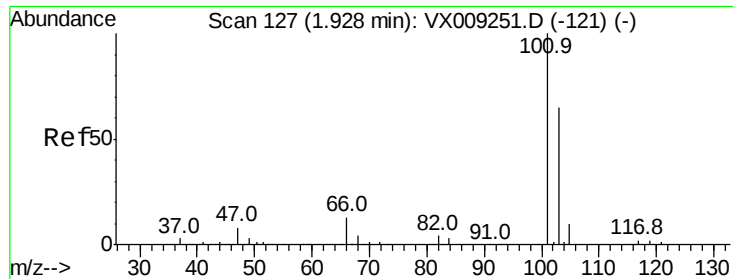
Tgt Ion: 64 Resp: 26082

Ion Ratio Lower Upper

64 100

66 32.7 25.9 38.9



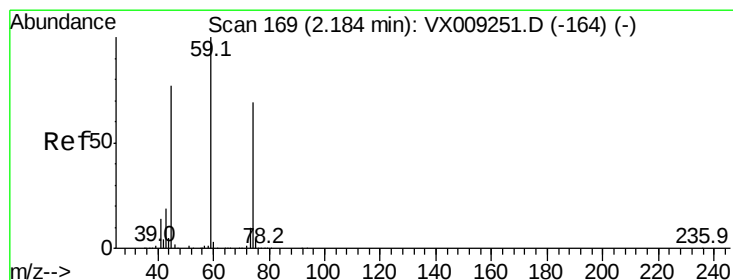
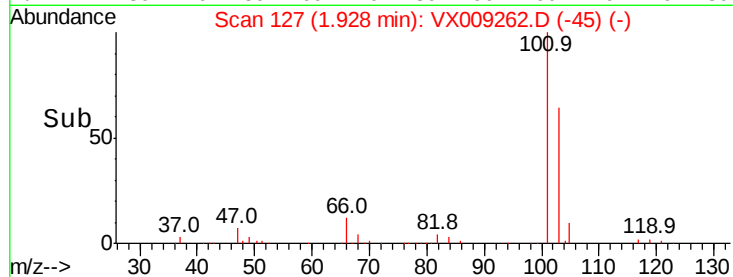
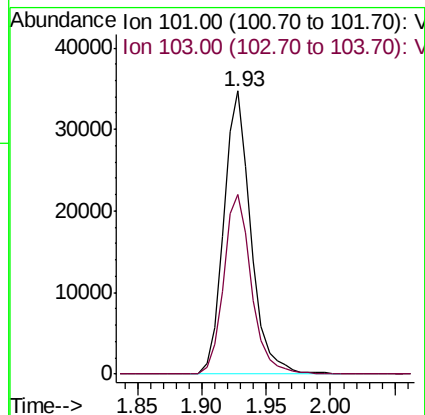
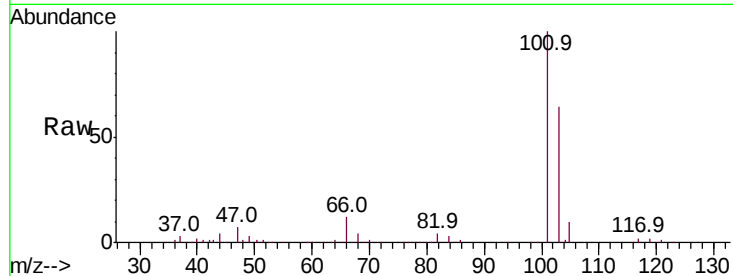


#7

Trichlorofluoromethane
Concen: 18.767 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

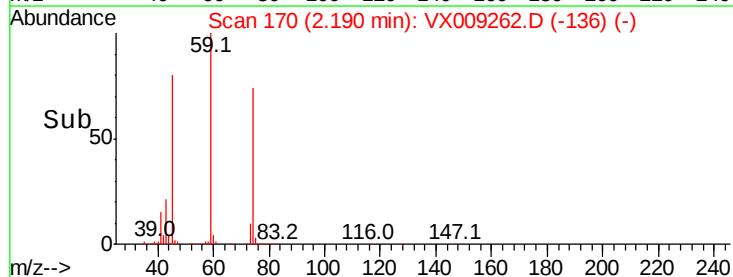
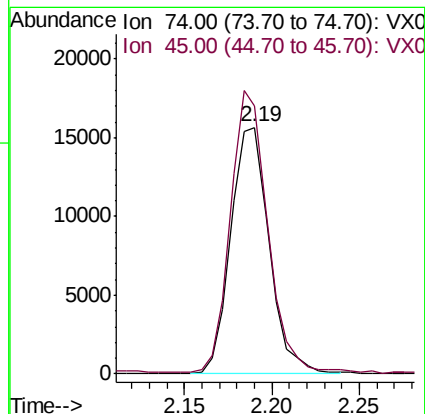
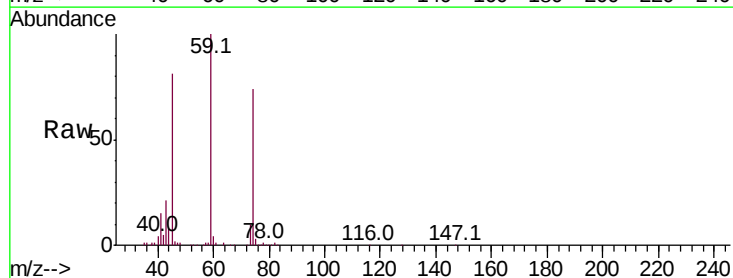
Tot Ion:101 Resp: 51257
Ion Ratio Lower Upper
101 100
103 63.5 51.9 77.9

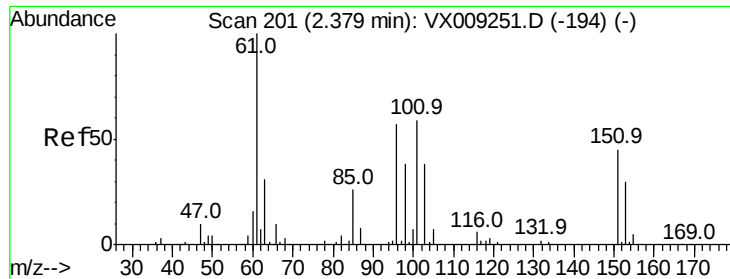


#8

Diethyl Ether
Concen: 18.902 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 74 Resp: 23971
Ion Ratio Lower Upper
74 100
45 109.5 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.892 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

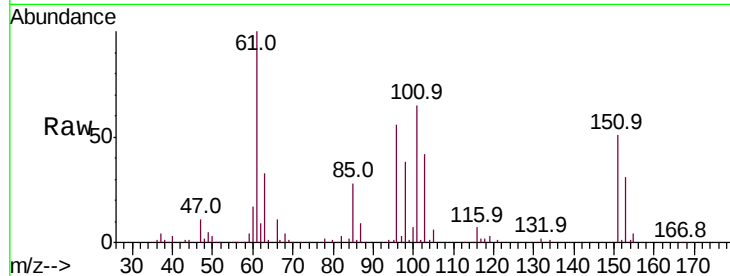
Tot Ion:101 Resp: 31946

Ion Ratio Lower Upper

101 100

85 44.1 0.0 87.4

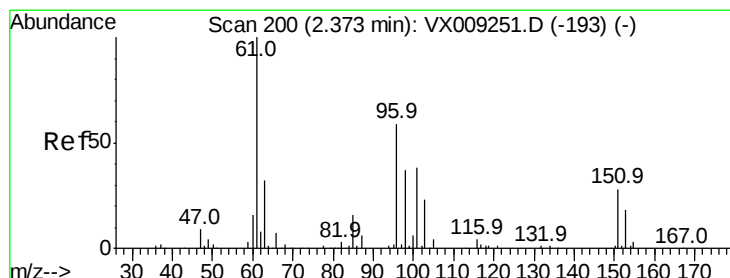
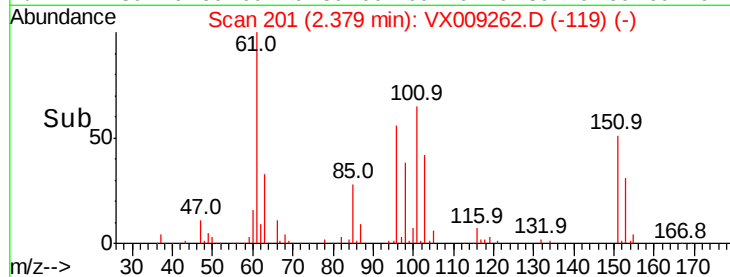
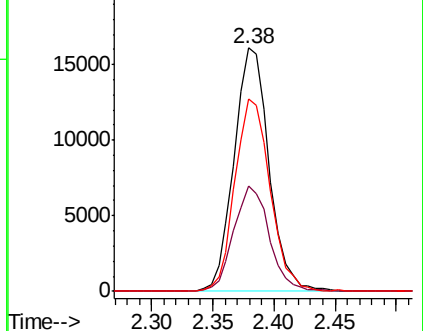
151 79.5 0.0 157.0



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: 18.558 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

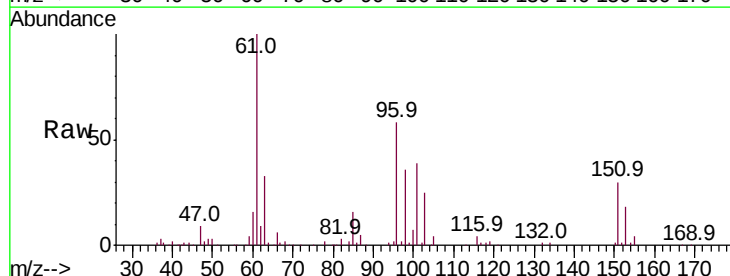
Tgt Ion: 96 Resp: 31509

Ion Ratio Lower Upper

96 100

61 173.7 136.5 204.7

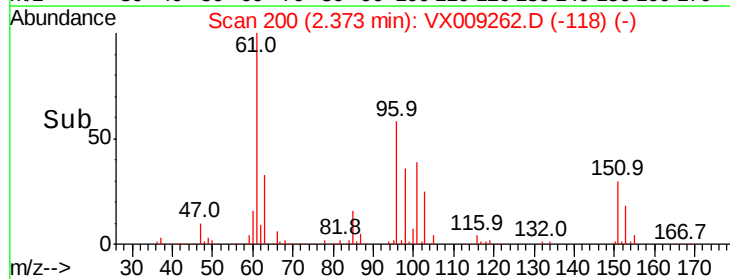
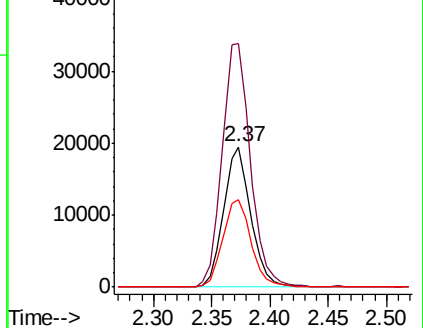
98 62.3 51.0 76.4

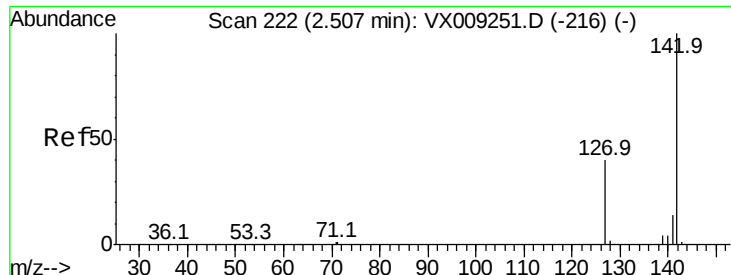


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

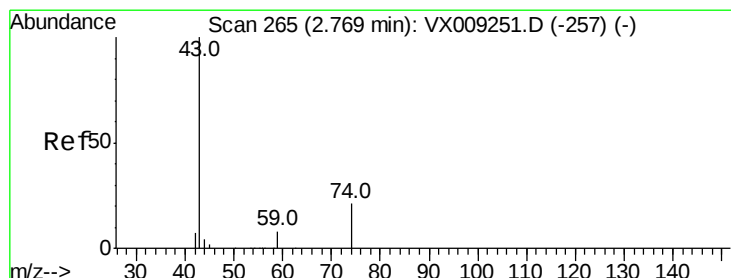
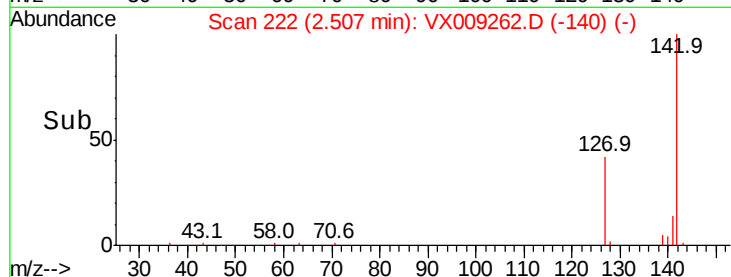
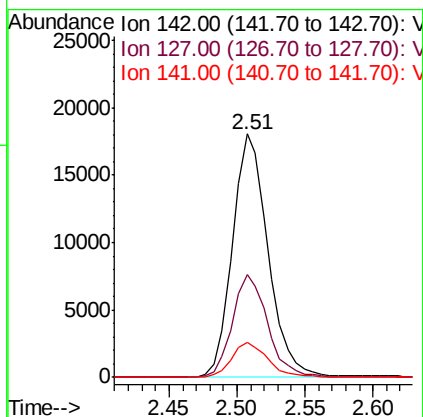
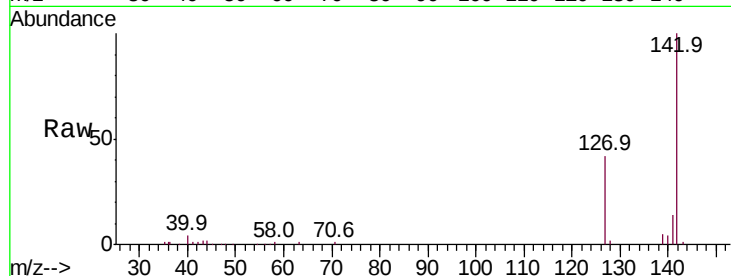




#11
Methvl Iodide
Concen: 17.836 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

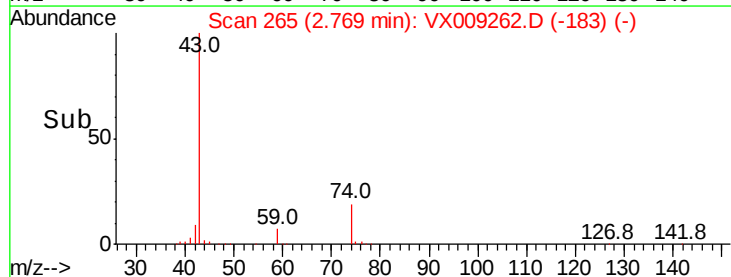
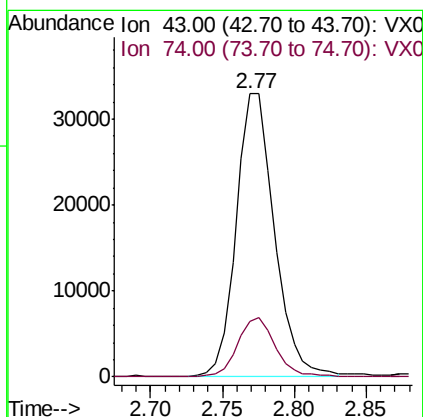
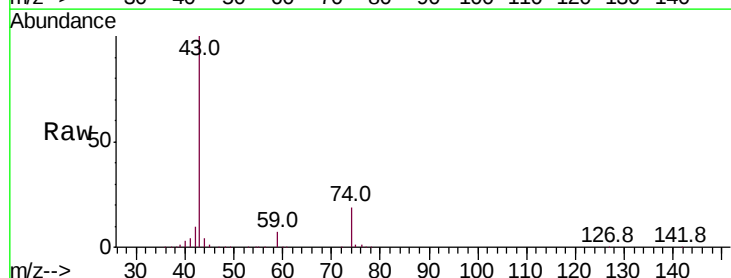
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

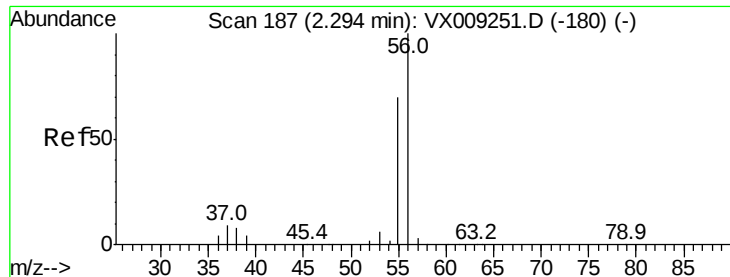
Tot Ion:142 Resp: 32920
Ion Ratio Lower Upper
142 100
127 42.4 20.2 60.5
141 14.5 6.9 20.7



#12
Methyl Acetate
Concen: 18.842 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 43 Resp: 60259
Ion Ratio Lower Upper
43 100
74 19.2 16.5 24.7





#13

Acrolein

Concen: 86.273 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

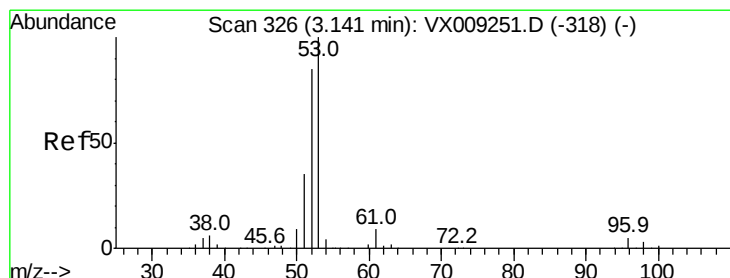
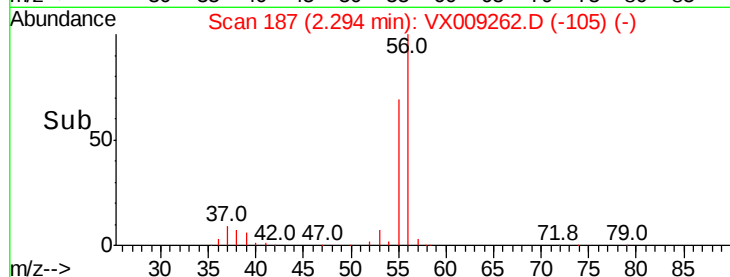
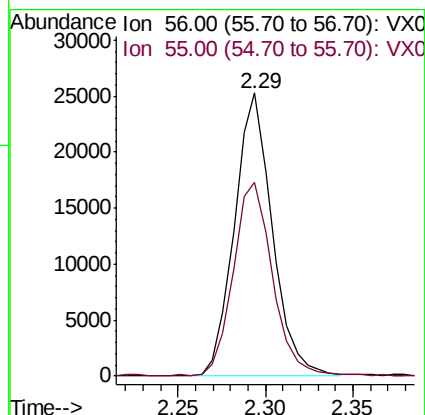
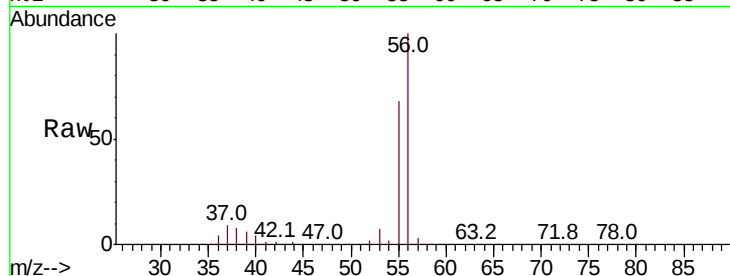
VX0501WBSD01

Tot Ion: 56 Resp: 37842

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3



#14

Acrylonitrile

Concen: 95.368 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

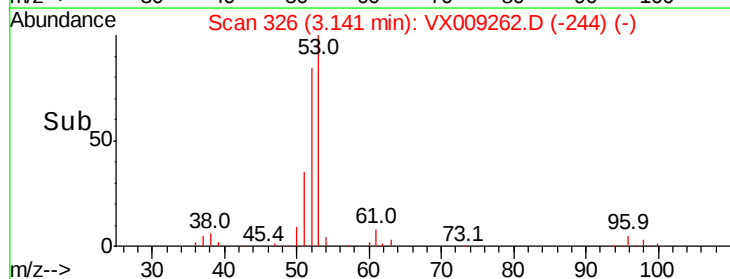
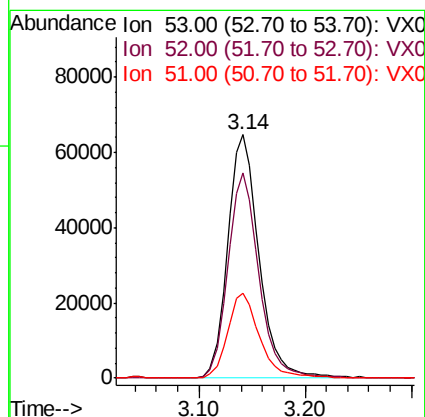
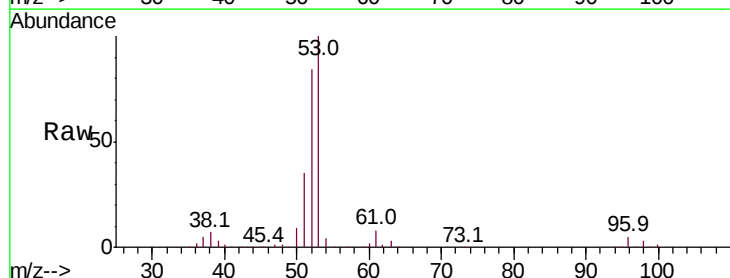
Tgt Ion: 53 Resp: 132362

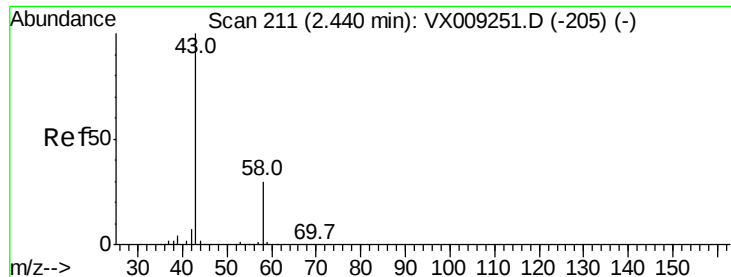
Ion Ratio Lower Upper

53 100

52 83.9 41.5 124.5

51 36.0 17.8 53.3





#15

Acetone

Concen: 91.936 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

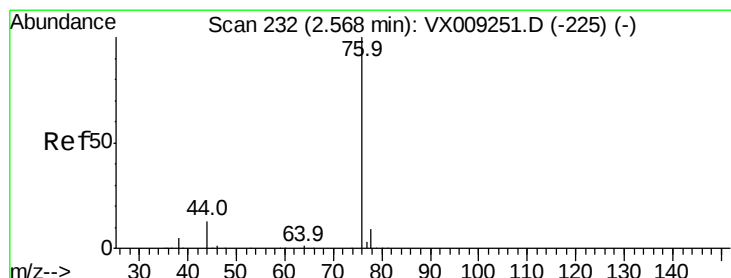
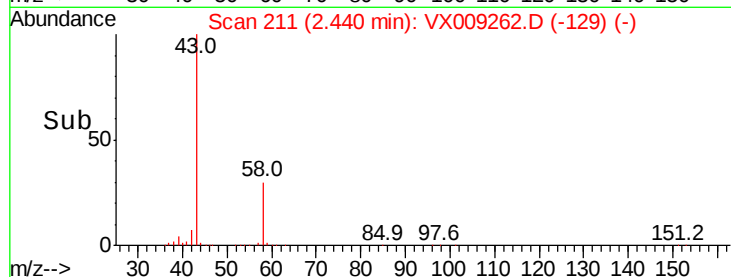
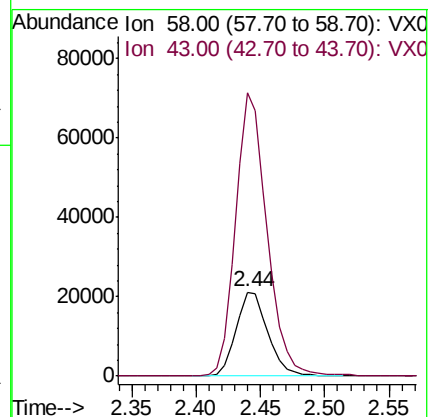
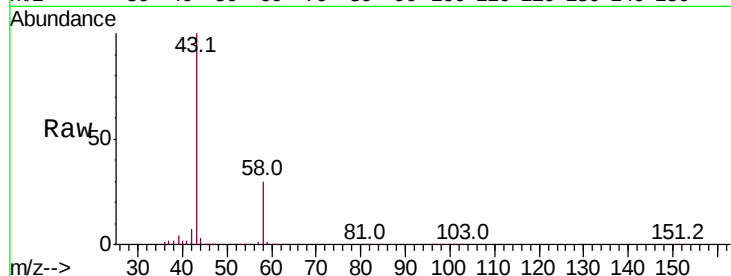
VX0501WBSD01

Tot Ion: 58 Resp: 36635

Ion Ratio Lower Upper

58 100

43 335.3 264.0 396.0



#16

Carbon Disulfide

Concen: 18.376 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009262.D

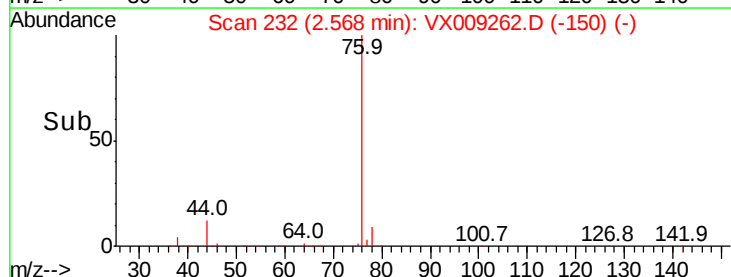
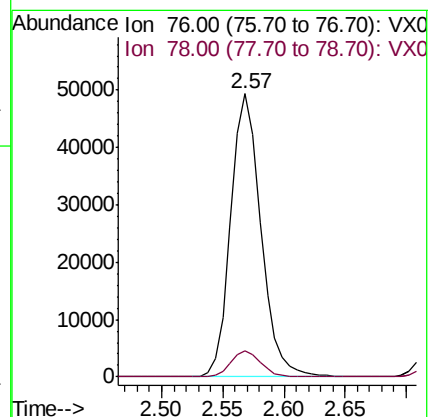
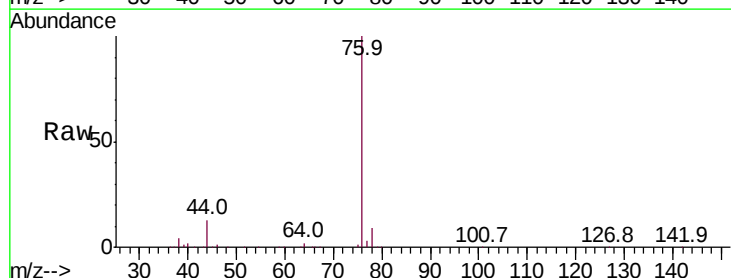
Acq: 01 May 2019 18:24

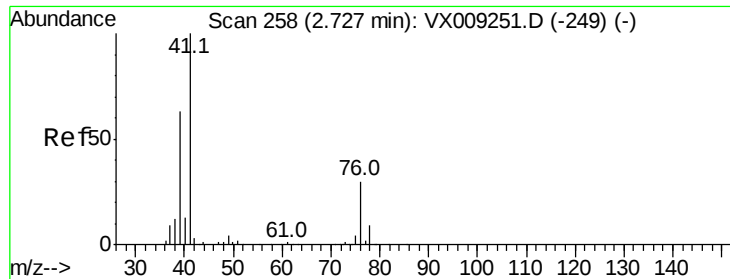
Tgt Ion: 76 Resp: 84420

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

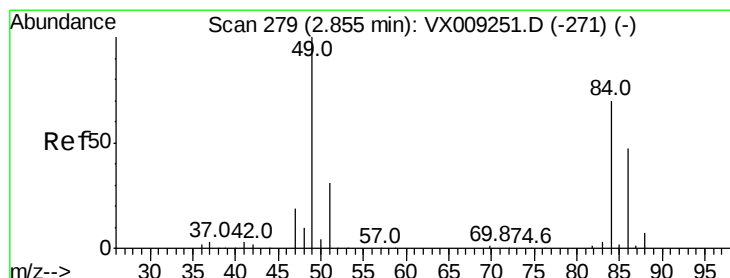
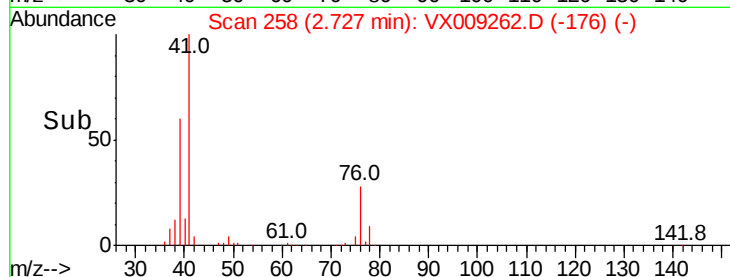
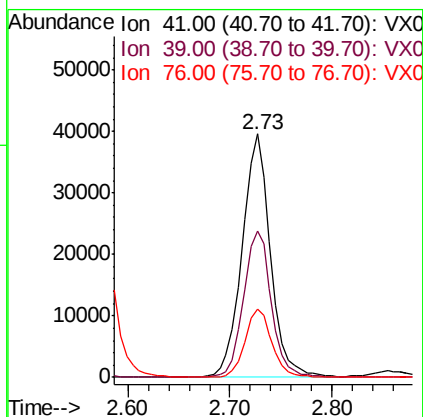
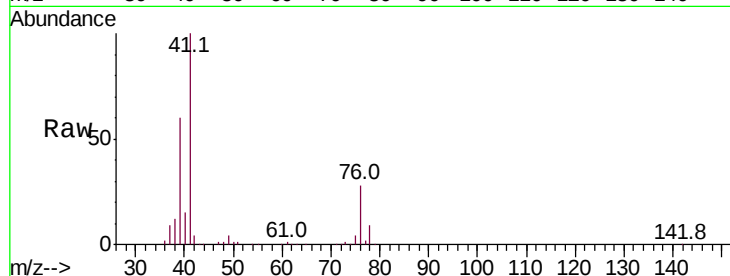




#17
Allvl chloride
Concen: 18.762 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

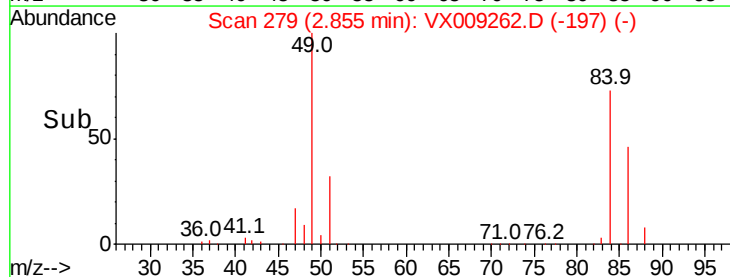
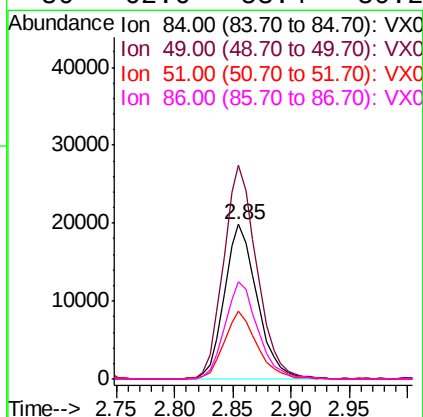
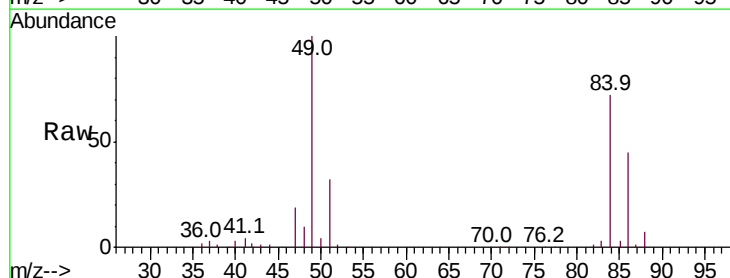
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

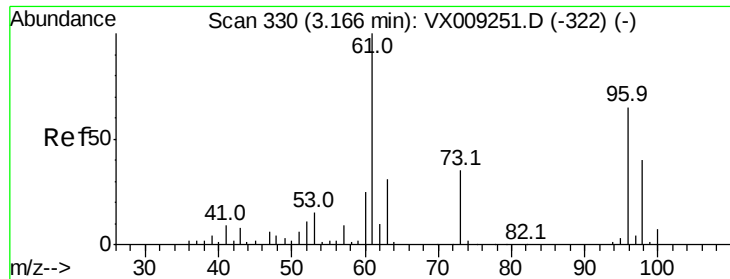
Tot Ion: 41 Resp: 76480
Ion Ratio Lower Upper
41 100
39 60.1 31.6 94.7
76 27.8 15.1 45.3



#18
Methylene Chloride
Concen: 18.965 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 84 Resp: 38917
Ion Ratio Lower Upper
84 100
49 137.6 114.6 171.8
51 44.1 35.5 53.3
86 62.6 53.4 80.2

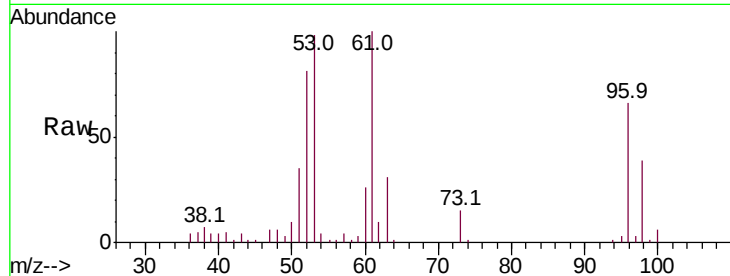




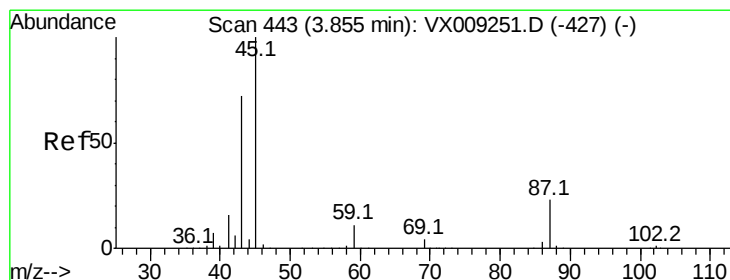
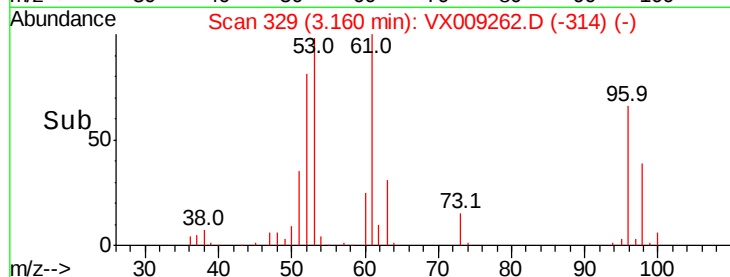
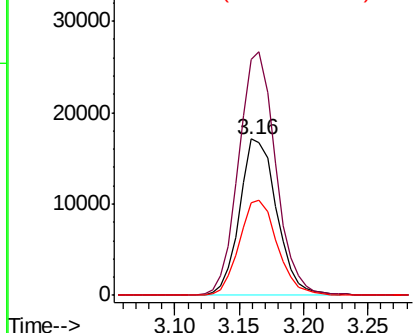
#19
trans-1,2-Dichloroethene
Concen: 18.858 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion: 96 Resp: 34139
Ion Ratio Lower Upper
96 100
61 151.0 122.7 184.1
98 59.5 49.5 74.3

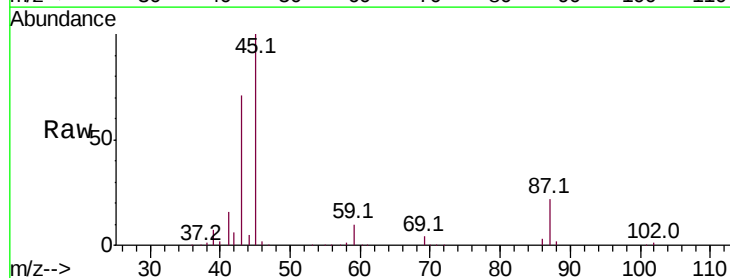


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

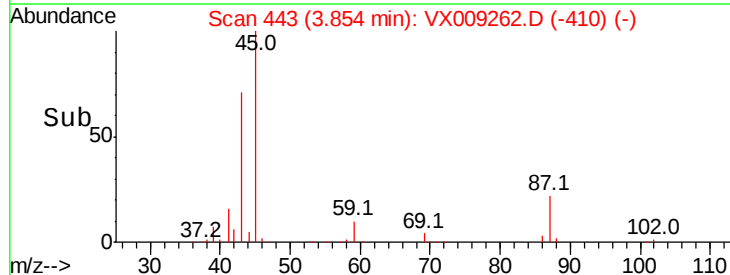
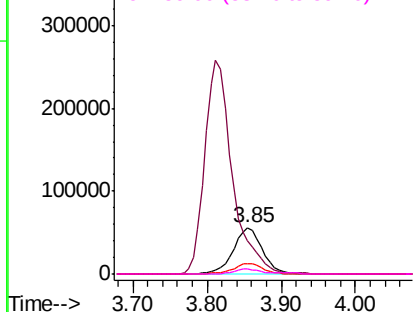


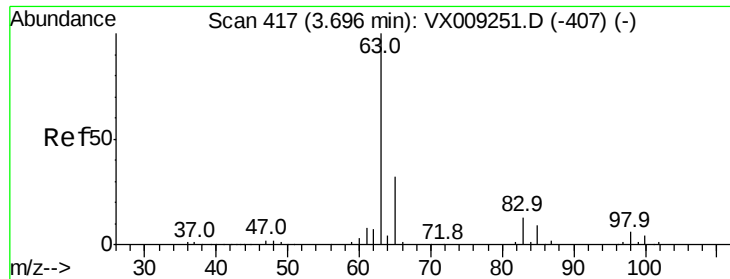
#20
Diisopropyl ether
Concen: 18.902 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 45 Resp: 151731
Ion Ratio Lower Upper
45 100
43 70.6 57.7 86.5
87 22.3 18.5 27.7
59 10.1 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: 18.821 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

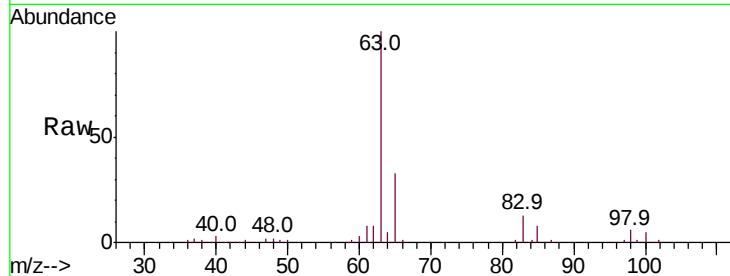
Tot Ion: 63 Resp: 73115

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.3

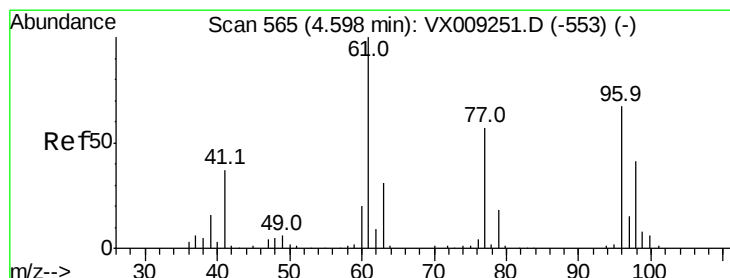
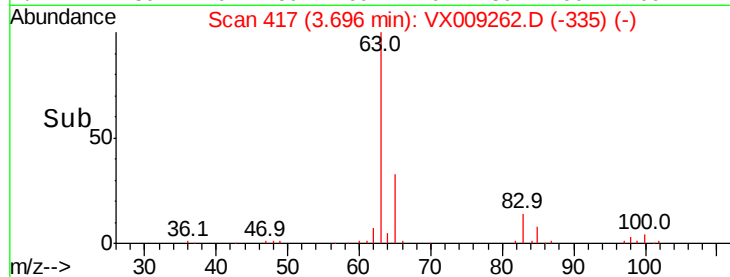
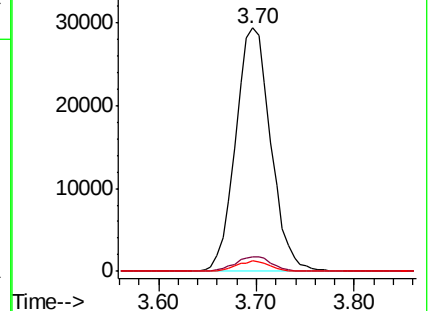
100 4.6 2.2 6.6



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: 18.905 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

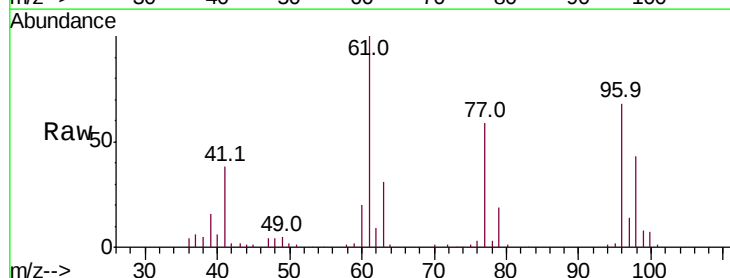
Tgt Ion: 96 Resp: 41224

Ion Ratio Lower Upper

96 100

61 160.2 127.7 191.5

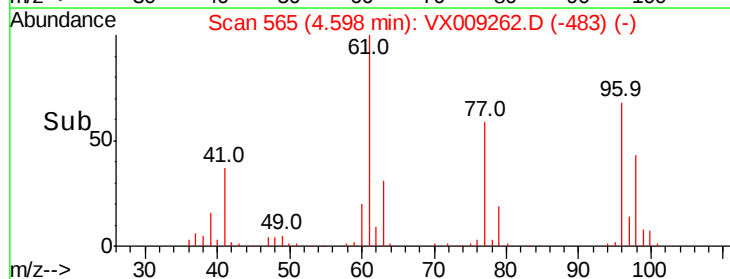
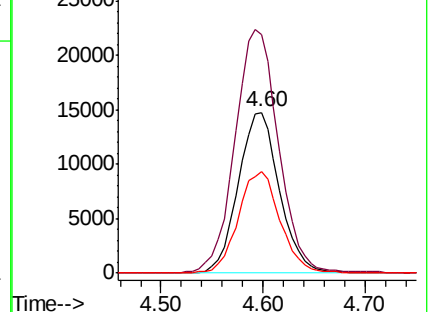
98 64.3 50.5 75.7

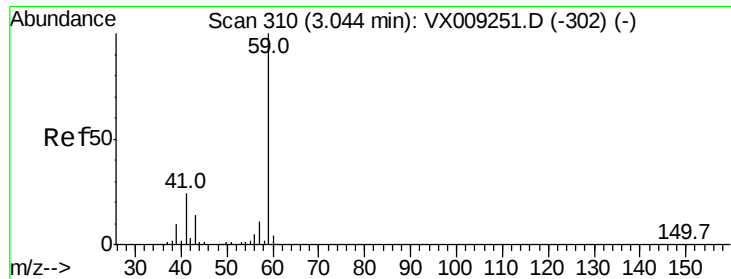


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 93.896 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

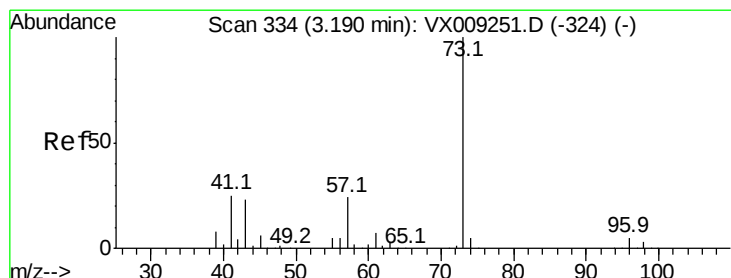
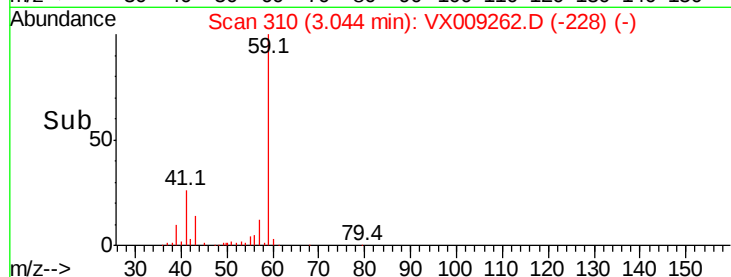
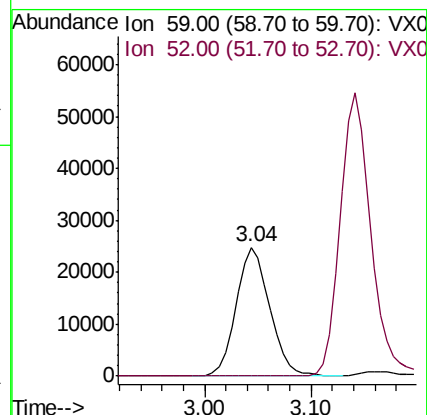
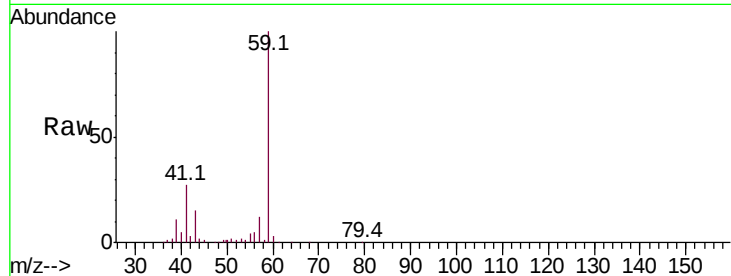
VX0501WBSD01

Tot Ion: 59 Resp: 55104

Ion Ratio Lower Upper

59 100

52 0.4 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 18.790 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009262.D

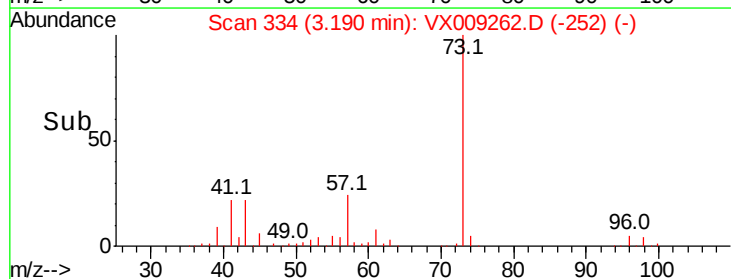
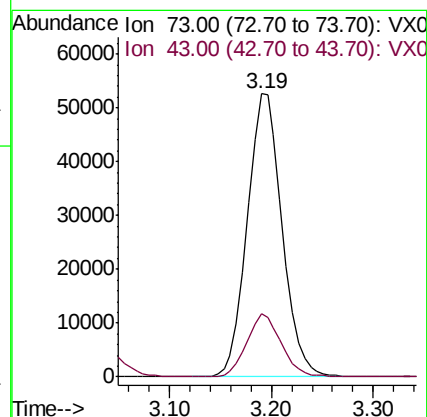
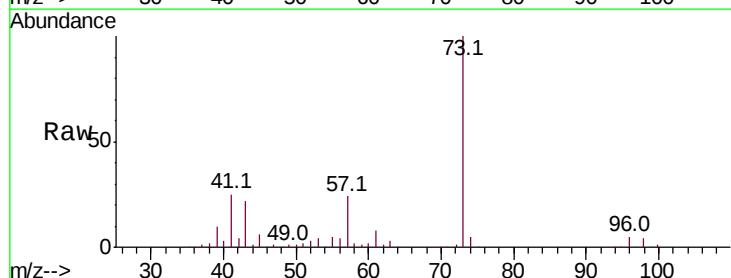
Acq: 01 May 2019 18:24

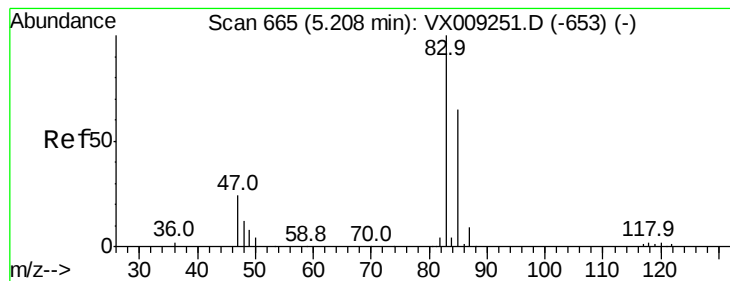
Tgt Ion: 73 Resp: 124855

Ion Ratio Lower Upper

73 100

43 21.9 17.6 26.4





#25

Chloroform

Concen: 18.766 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

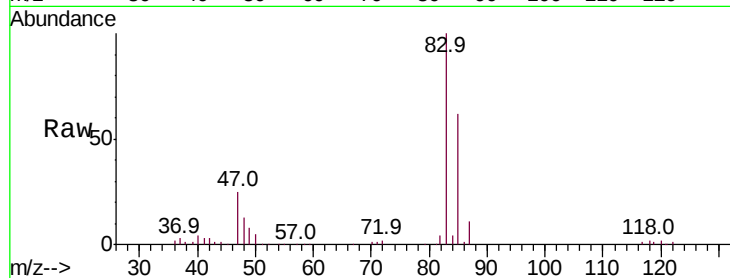
VX0501WBSD01

Tot Ion: 83 Resp: 66527

Ion Ratio Lower Upper

83 100

85 62.0 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.21

25000

20000

15000

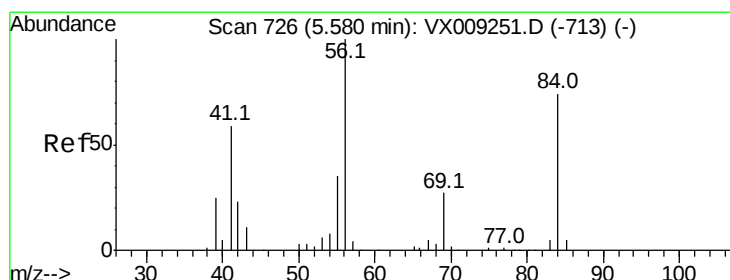
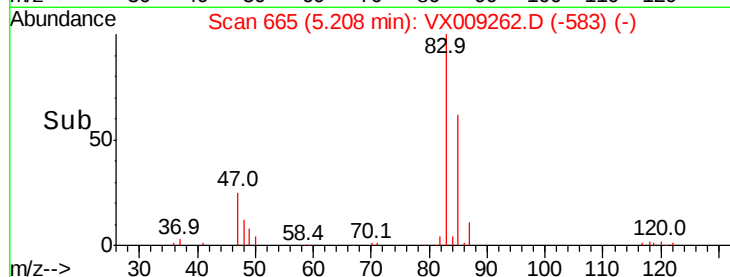
10000

5000

0

Time-->

5.10 5.20 5.30



#26

Cyclohexane

Concen: 18.811 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

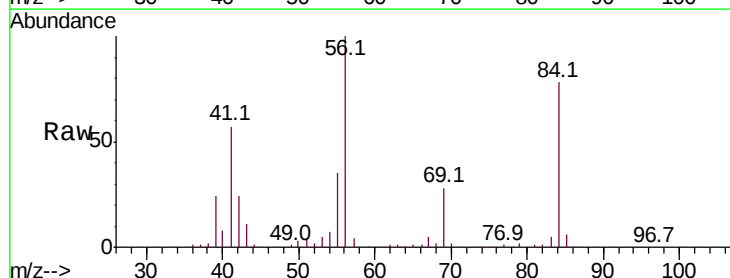
Tgt Ion: 56 Resp: 68107

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.2 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

40000

30000

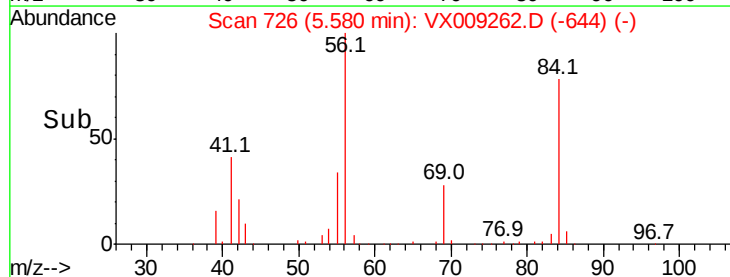
20000

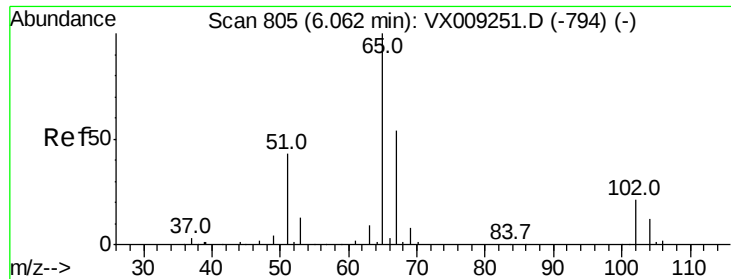
10000

0

Time-->

5.40 5.50 5.60 5.70





#27

1,2-Dichloroethane-d4

Concen: 29.314 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

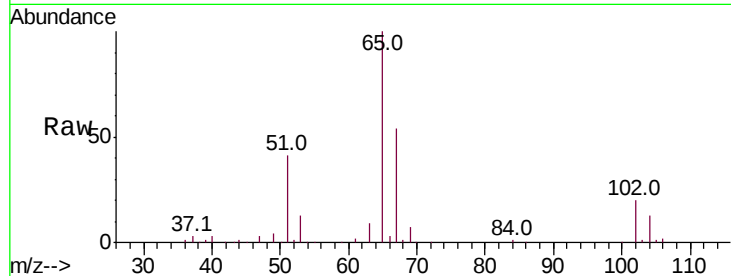
VX0501WBSD01

Tot Ion: 65 Resp: 75486

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

6.06

30000

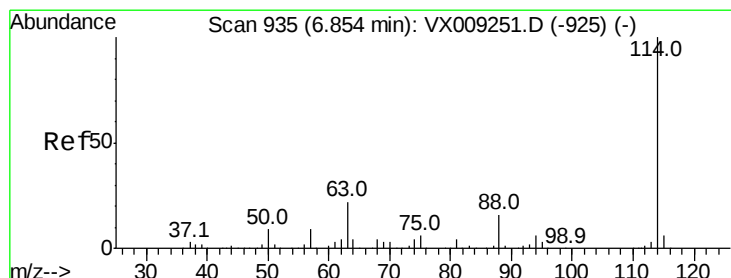
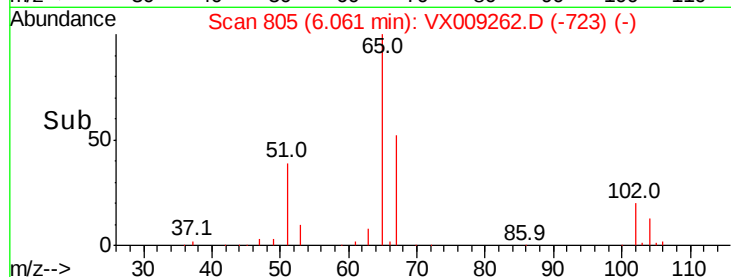
20000

10000

0

Time-->

6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

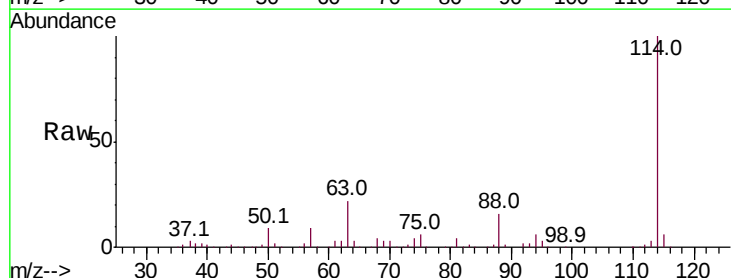
Tgt Ion: 114 Resp: 177434

Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

88 16.6 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

100000

80000

60000

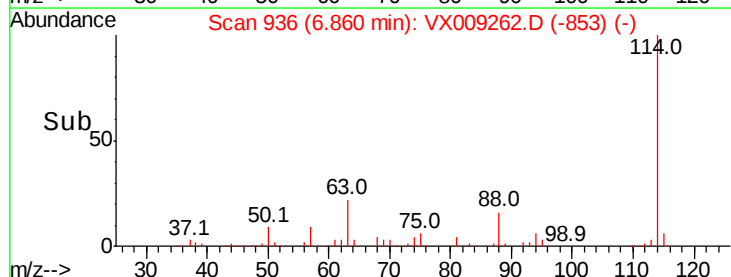
40000

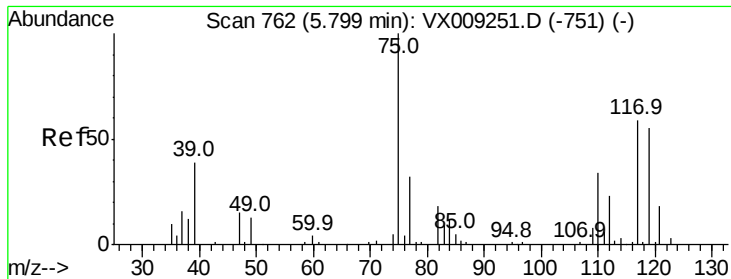
20000

0

Time-->

6.75 6.80 6.85 6.90 6.95





#29

1,1-Dichloropropene

Concen: 19.365 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

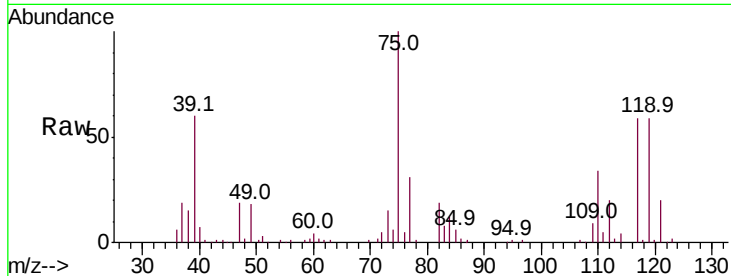
Tot Ion: 75 Resp: 50417

Ion Ratio Lower Upper

75 100

110 33.8 0.0 66.4

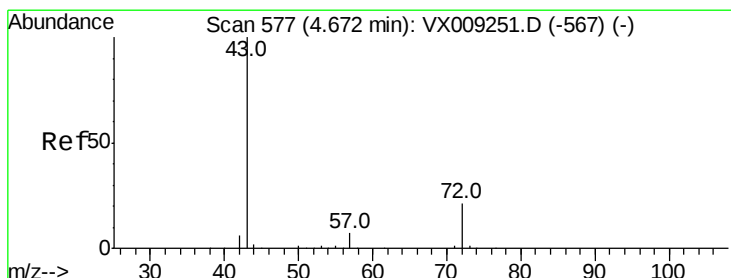
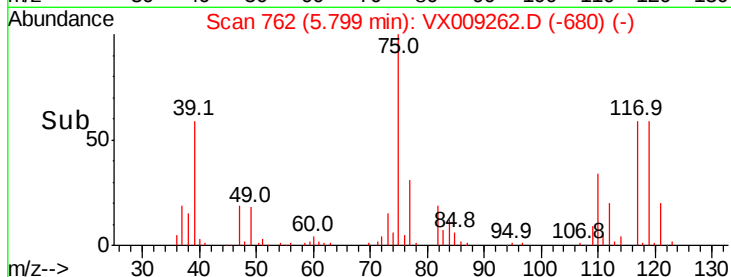
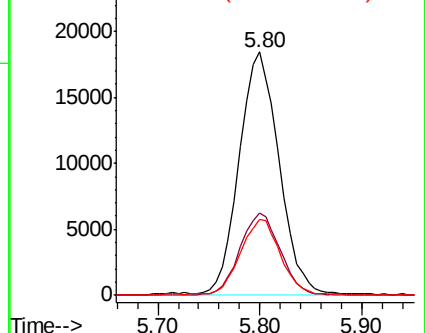
77 31.7 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 97.132 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

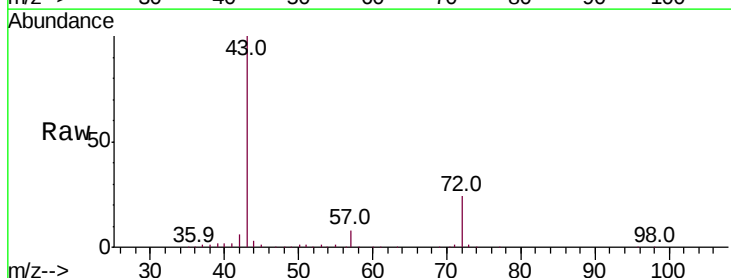
Tgt Ion: 43 Resp: 198047

Ion Ratio Lower Upper

43 100

57 7.6 6.0 9.0

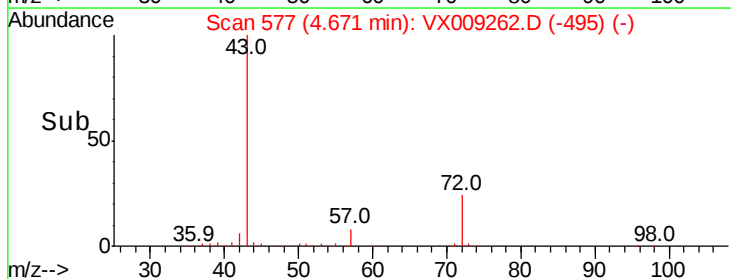
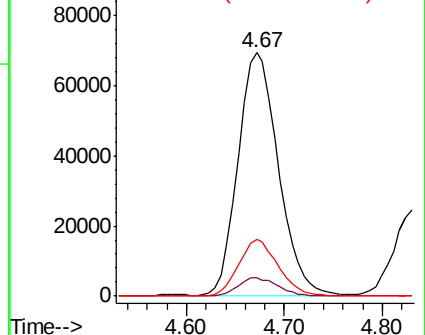
72 23.1 18.2 27.4

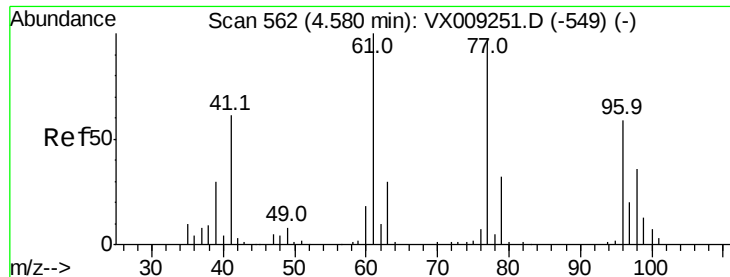


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

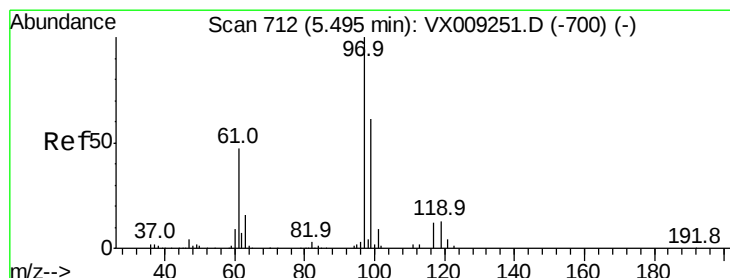
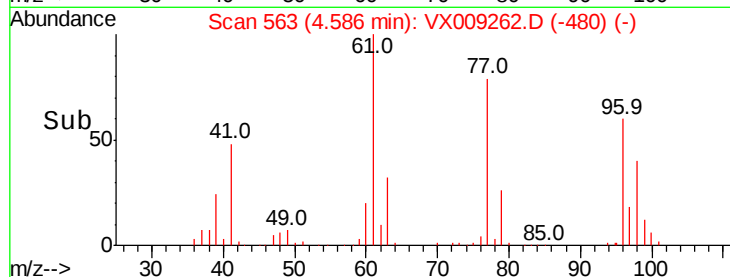
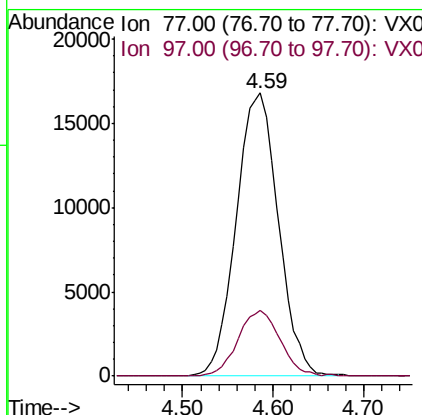
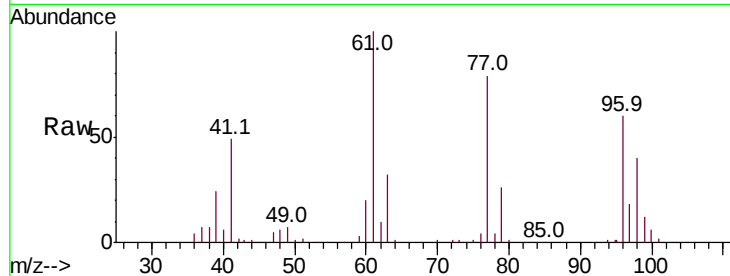




#31
 2,2-Dichloropropane
 Concen: 18.889 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

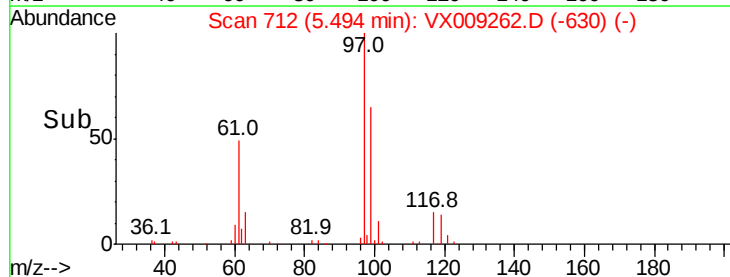
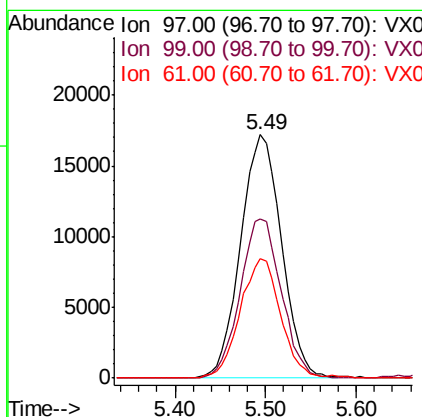
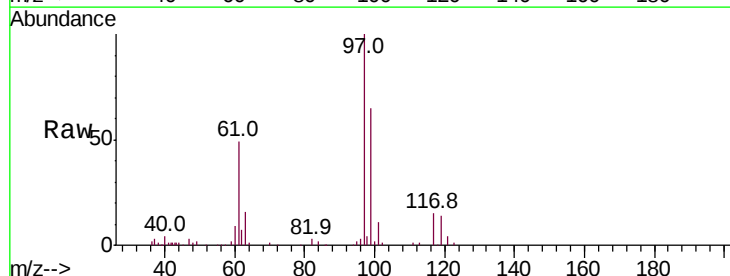
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

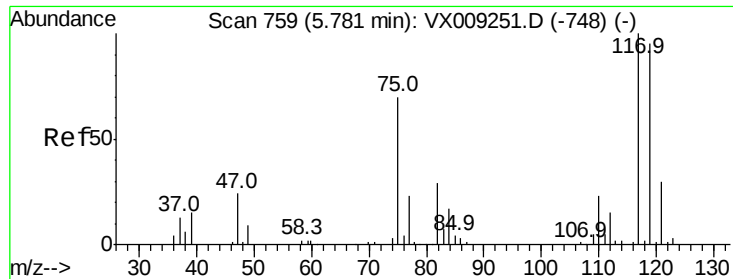
Tot Ion: 77 Resp: 54217
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.3 27.5



#32
 1,1,1-Trichloroethane
 Concen: 19.089 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion: 97 Resp: 53878
 Ion Ratio Lower Upper
 97 100
 99 65.4 53.9 80.9
 61 48.3 38.6 58.0





#33

Carbon Tetrachloride

Concen: 18.991 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

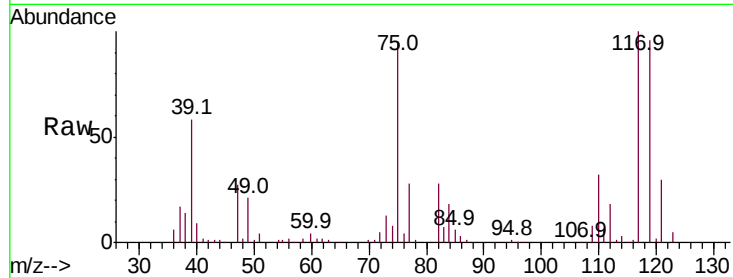
Tot Ion:117 Resp: 44848

Ion Ratio Lower Upper

117 100

119 95.8 76.1 114.1

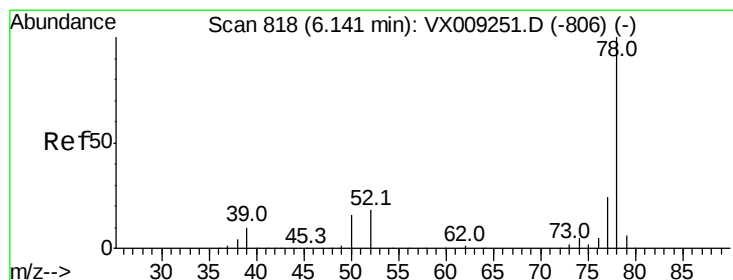
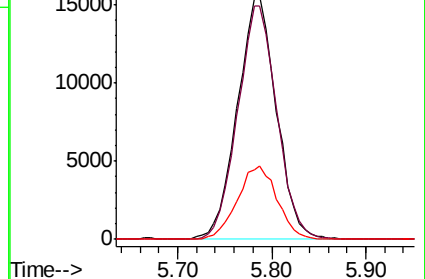
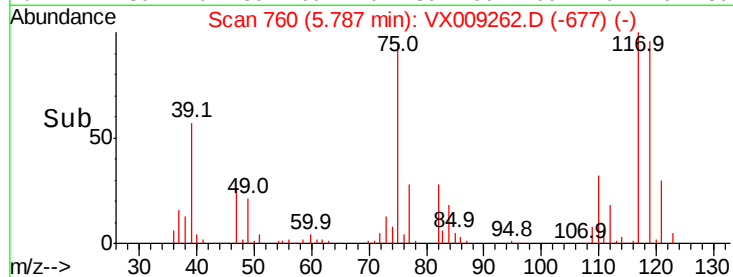
121 30.4 24.4 36.6



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: 19.389 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

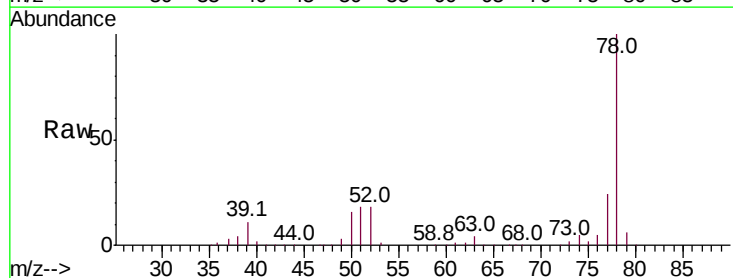
Tgt Ion: 78 Resp: 155627

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

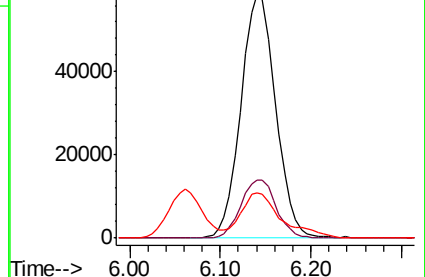
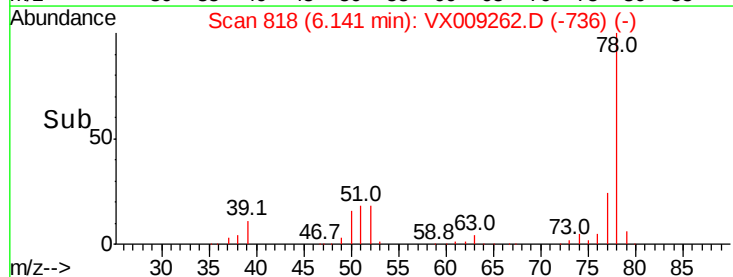
51 17.9 13.5 20.3

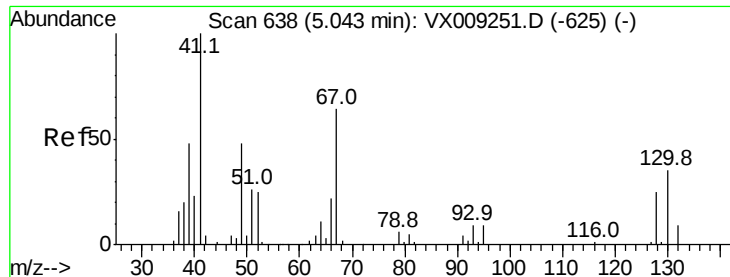


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

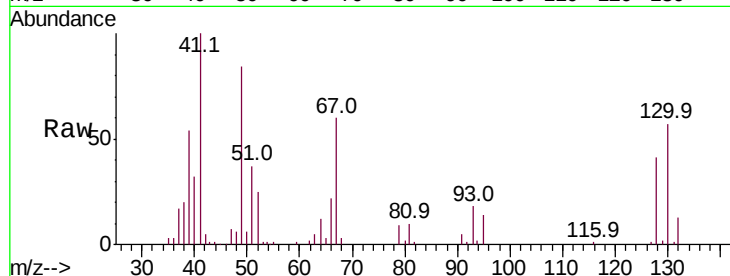




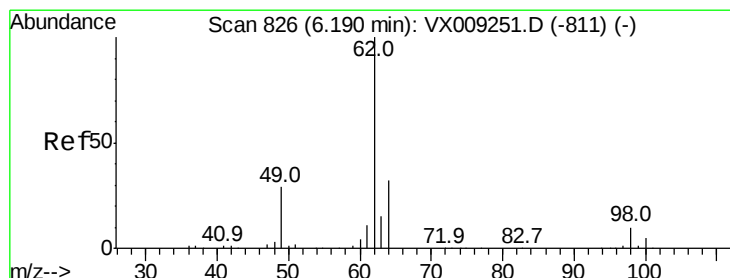
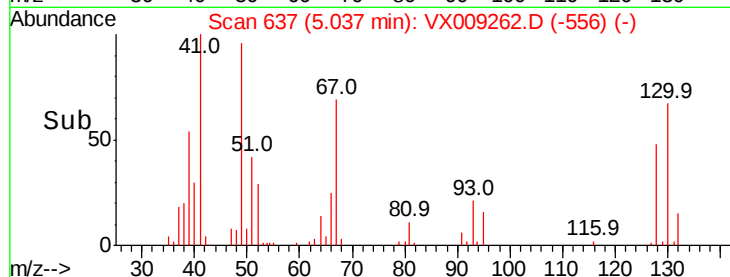
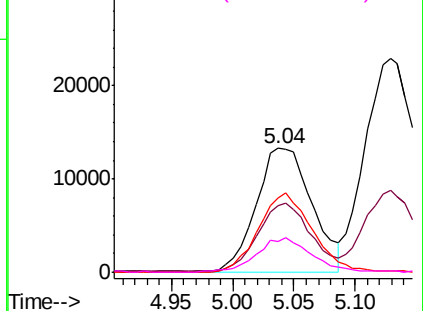
#35
Methacrylonitrile
Concen: 19.924 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion:	41	Resp:	42502
Ion	Ratio	Lower	Upper
41	100		
39	52.7	24.1	72.3
67	59.9	32.2	96.6
52	24.6	12.4	37.4

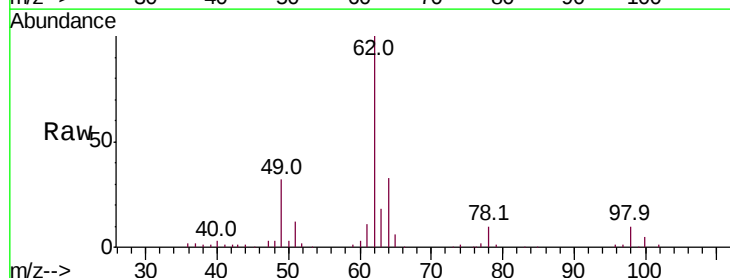


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

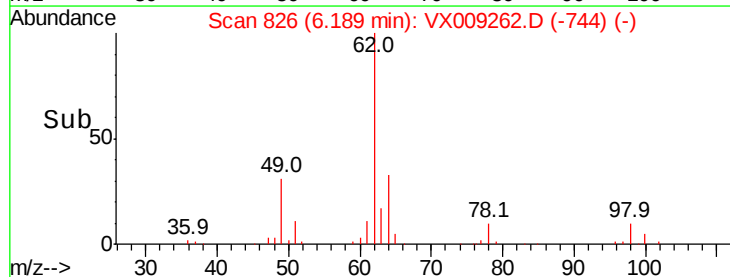
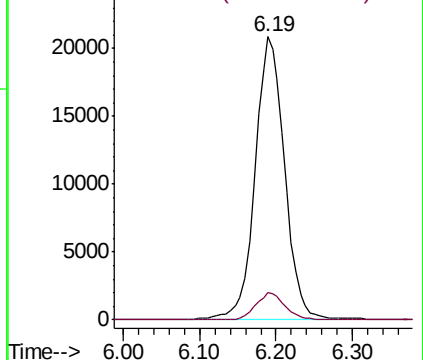


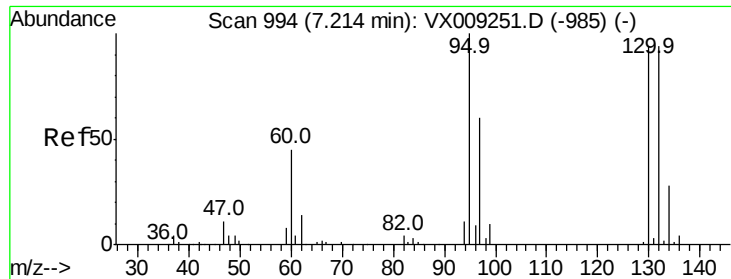
#36
1,2-Dichloroethane
Concen: 19.238 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion:	62	Resp:	56031
Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

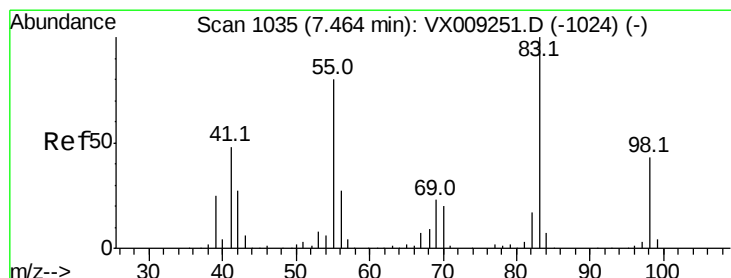
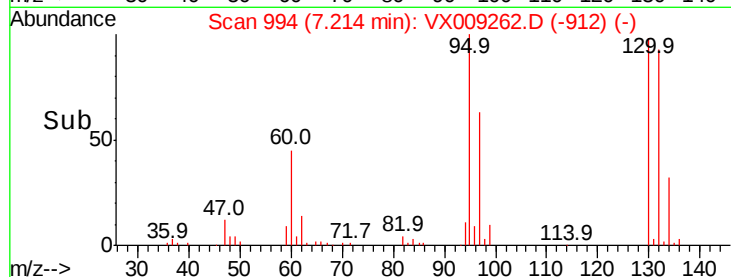
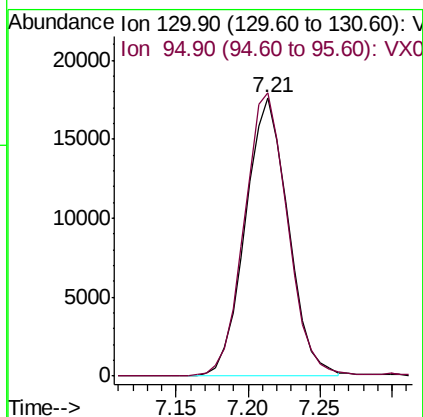
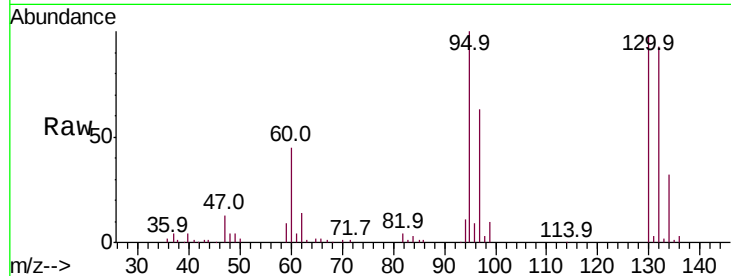




#37
 Trichloroethene
 Concen: 18.751 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

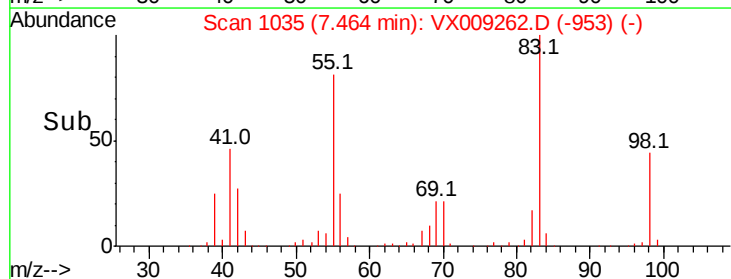
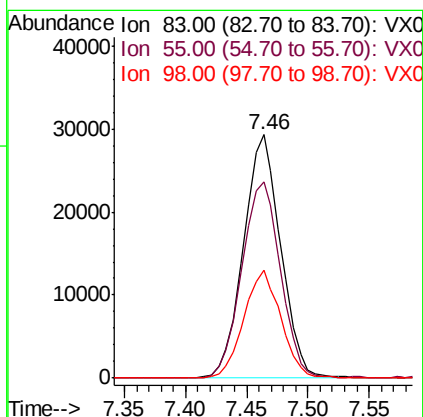
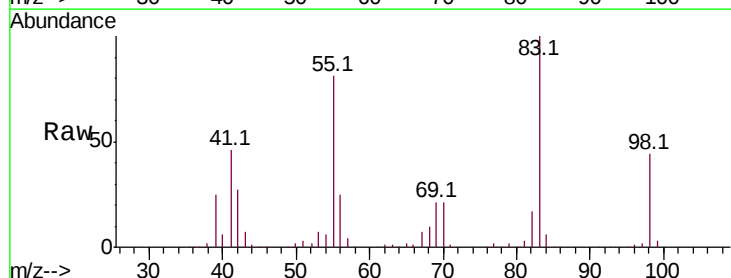
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

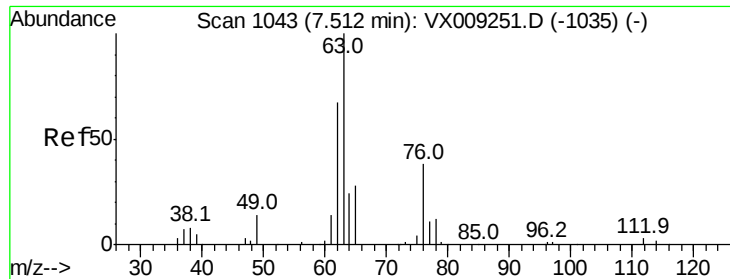
Tot Ion:130 Resp: 36231
 Ion Ratio Lower Upper
 130 100
 95 101.7 85.0 127.4



#38
 Methylcyclohexane
 Concen: 19.278 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion: 83 Resp: 62009
 Ion Ratio Lower Upper
 83 100
 55 84.0 43.0 129.2
 98 44.1 22.1 66.1





#39

1,2-Dichloropropane

Concen: 19.644 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

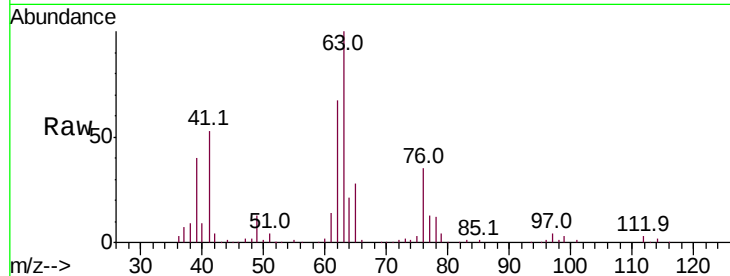
VX0501WBSD01

Tot Ion: 63 Resp: 44902

Ion Ratio Lower Upper

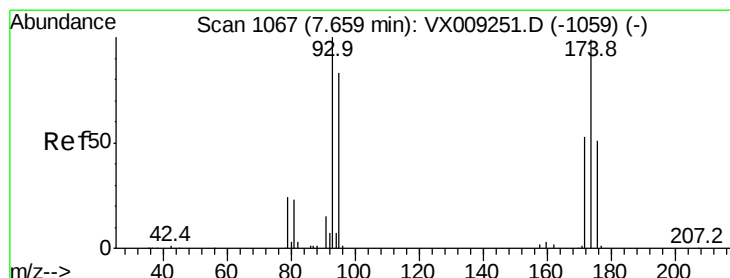
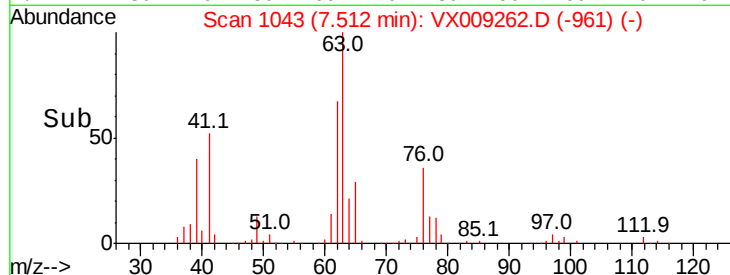
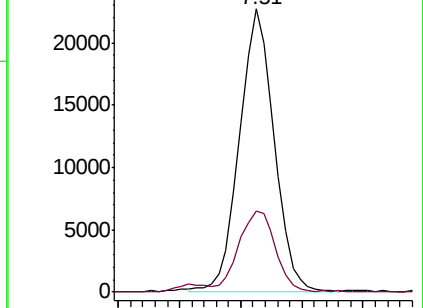
63 100

65 28.1 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: 19.410 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

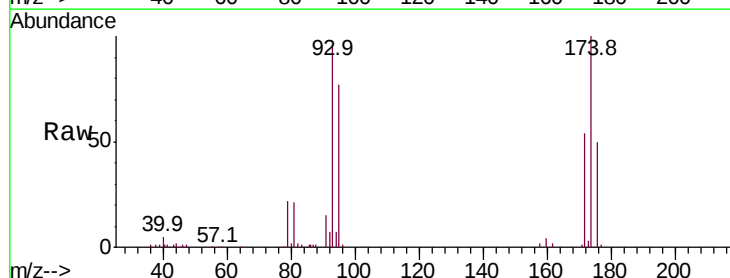
Tgt Ion: 93 Resp: 25181

Ion Ratio Lower Upper

93 100

95 83.1 0.0 167.2

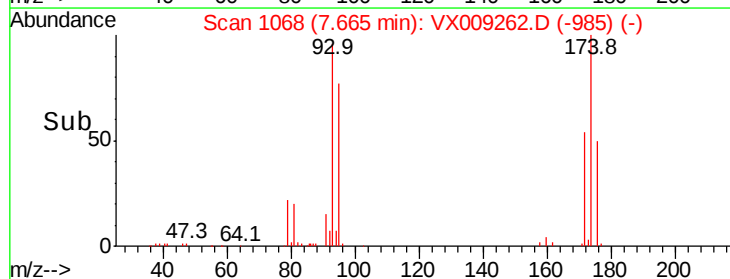
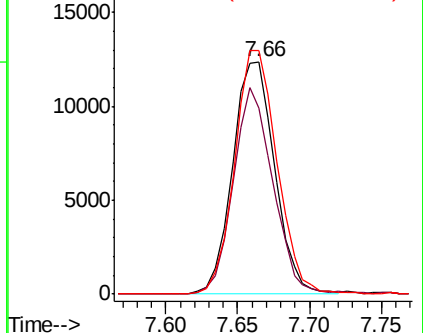
174 105.5 0.0 203.4

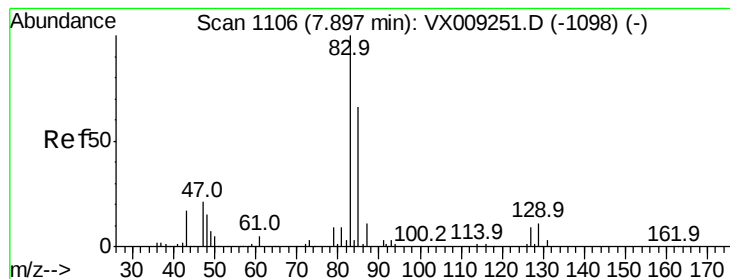


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.958 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

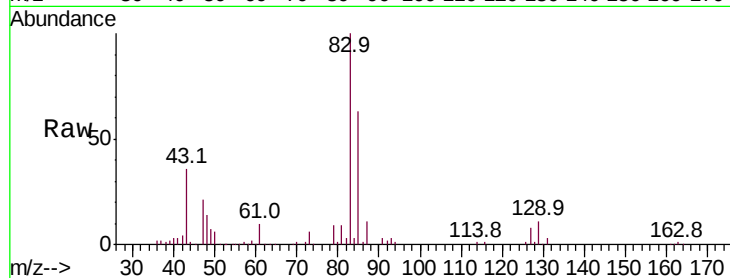
Tot Ion: 83 Resp: 50238

Ion Ratio Lower Upper

83 100

85 62.6 52.6 79.0

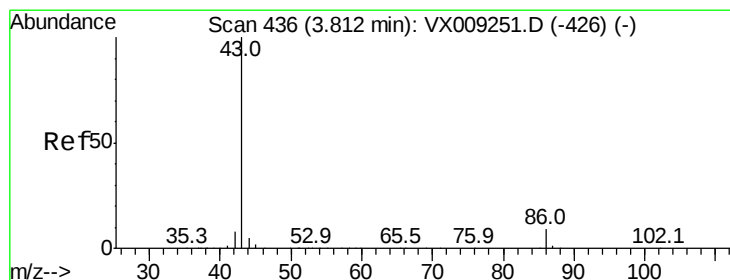
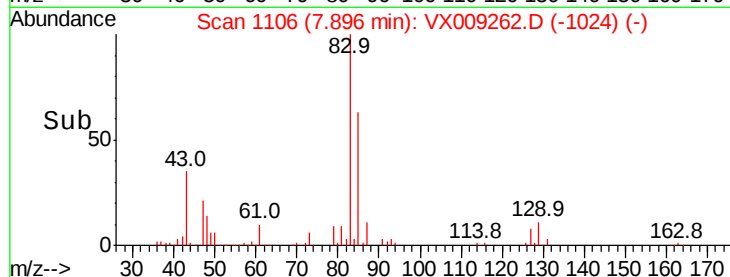
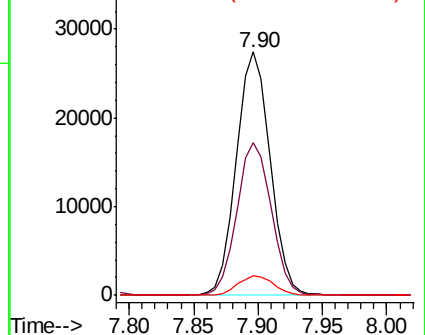
127 8.2 6.9 10.3



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: 98.378 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009262.D

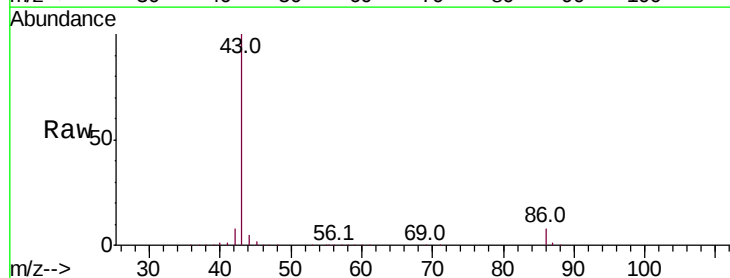
Acq: 01 May 2019 18:24

Tgt Ion: 43 Resp: 662033

Ion Ratio Lower Upper

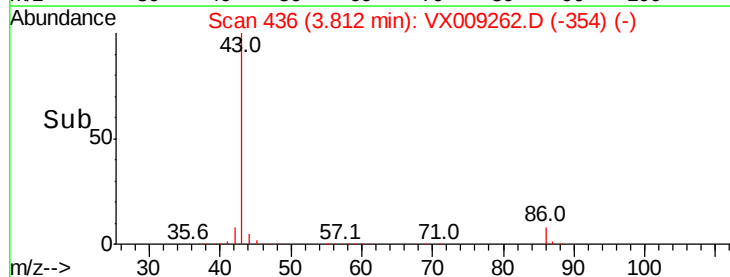
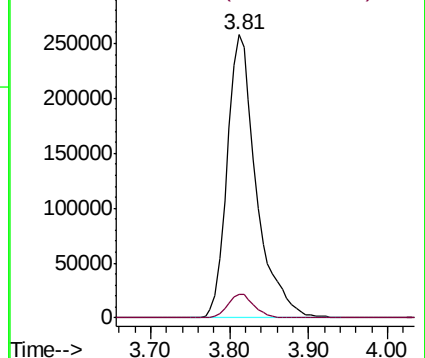
43 100

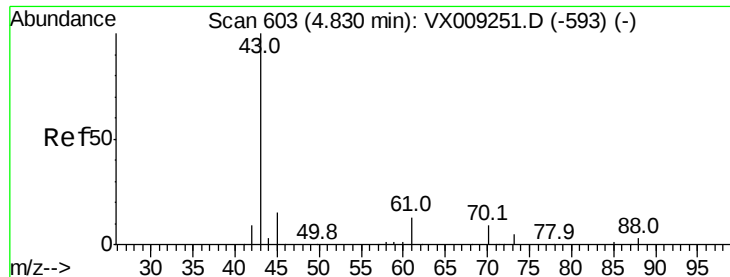
86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 19.809 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

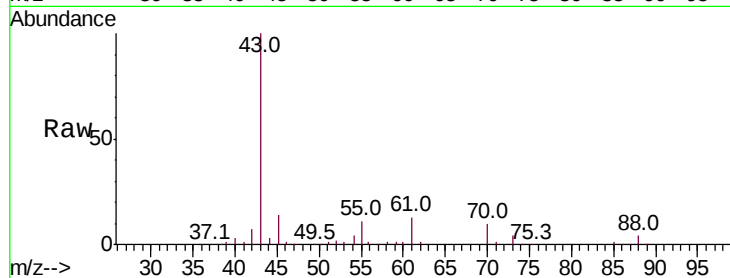
VX0501WBSD01

Tot Ion: 43 Resp: 72984

Ion Ratio Lower Upper

43 100

45 15.4 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

50000

40000

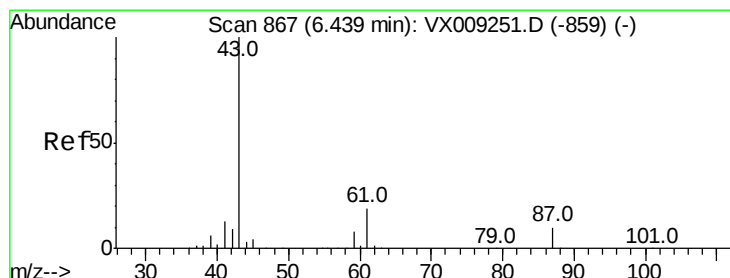
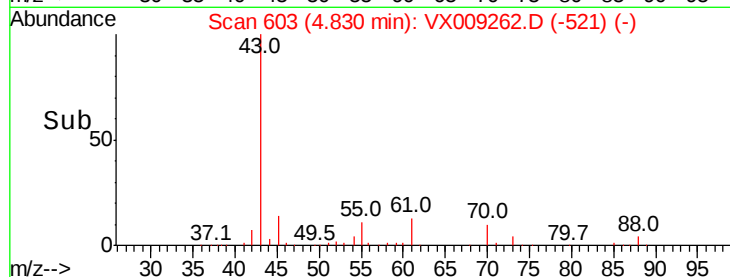
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#44

Isopropyl Acetate

Concen: 19.166 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009262.D

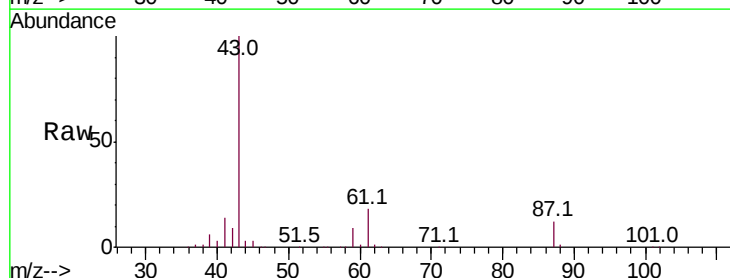
Acq: 01 May 2019 18:24

Tgt Ion: 43 Resp: 114396

Ion Ratio Lower Upper

43 100

61 18.9 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

40000

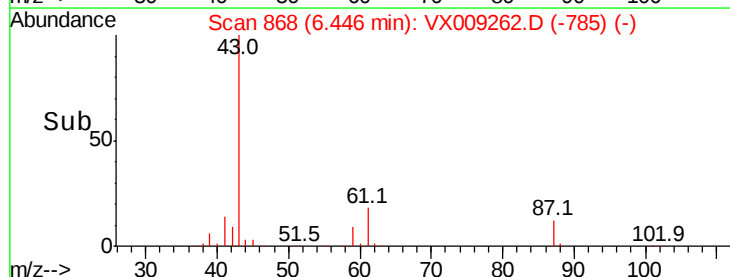
30000

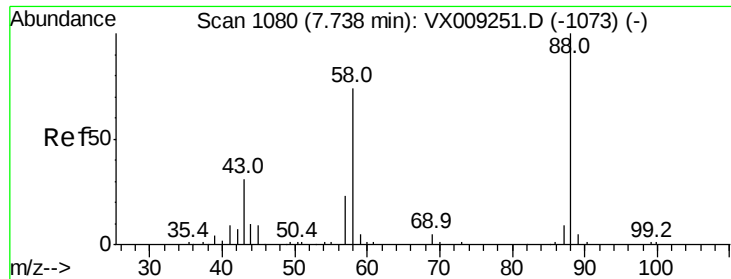
20000

10000

0

Time--> 6.40 6.50



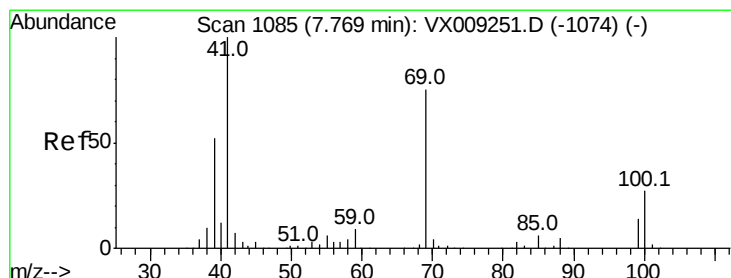
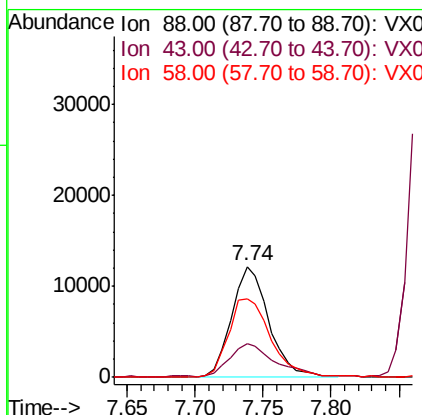
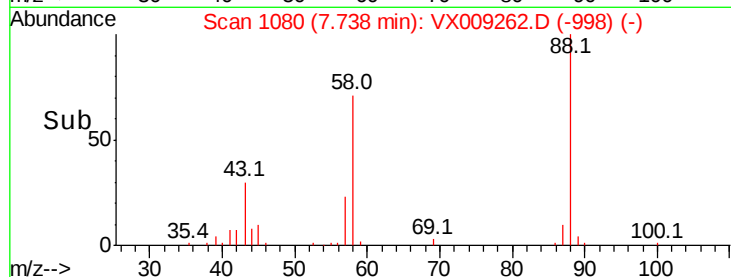
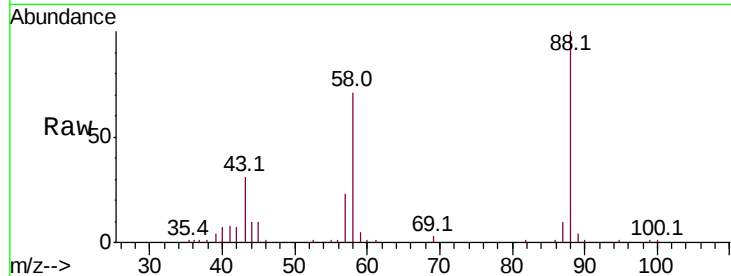


#45
 1,4-Dioxane
 Concen: 398.142 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Tot Ion: 88 Resp: 23331

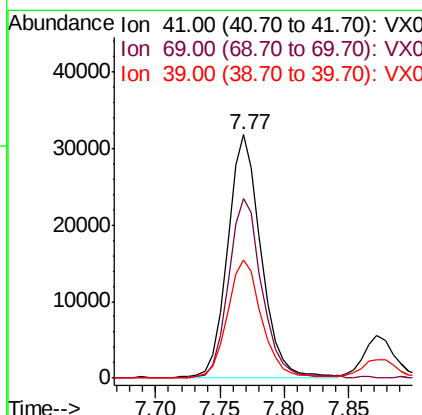
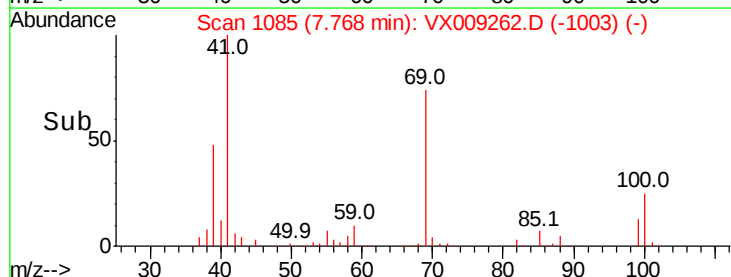
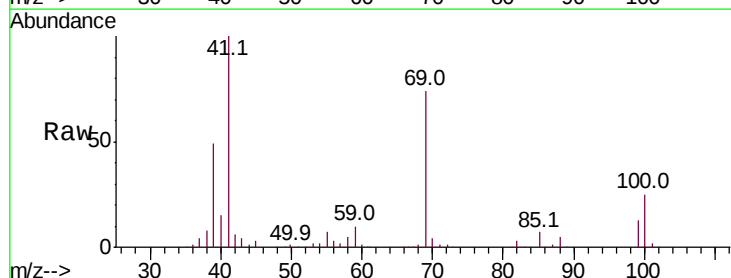
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	80.8	62.5	93.7

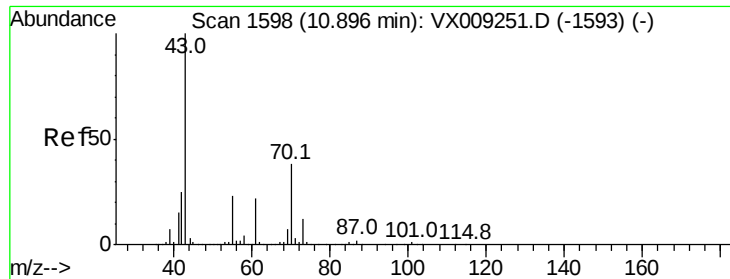


#46
 Methyl methacrylate
 Concen: 19.049 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion: 41 Resp: 56750

Ion	Ratio	Lower	Upper
41	100		
69	74.4	37.6	112.8
39	48.5	25.8	77.3





#47

n-amvl Acetate

Concen: 18.338 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

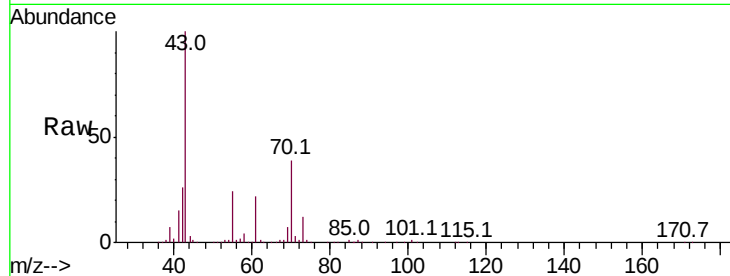
VX0501WBSD01

Tot Ion: 43 Resp: 98601

Ion Ratio Lower Upper

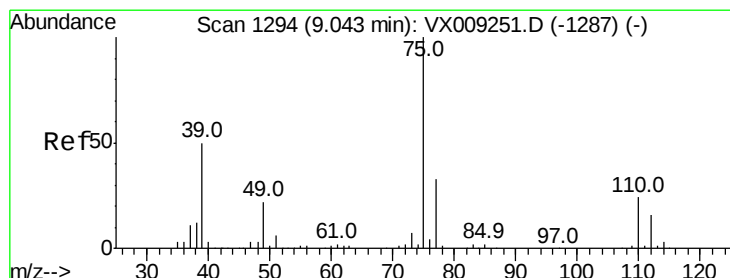
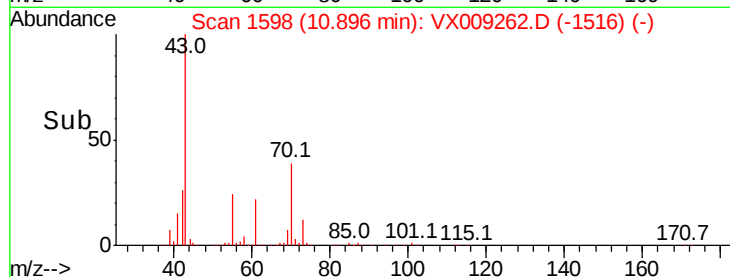
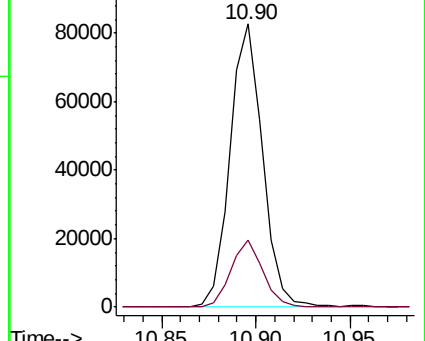
43 100

55 23.1 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: 18.389 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009262.D

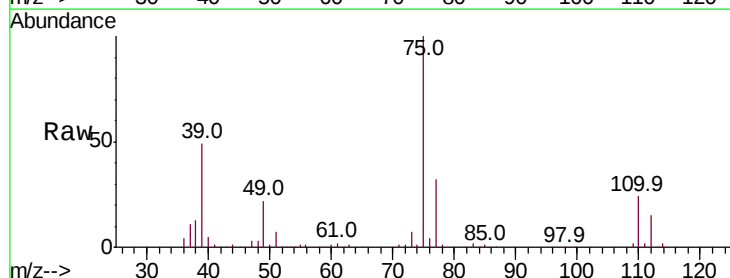
Acq: 01 May 2019 18:24

Tgt Ion: 75 Resp: 56858

Ion Ratio Lower Upper

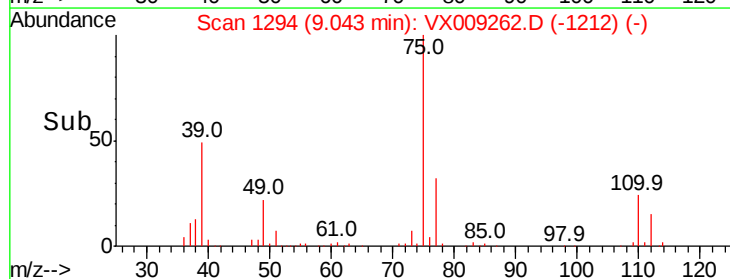
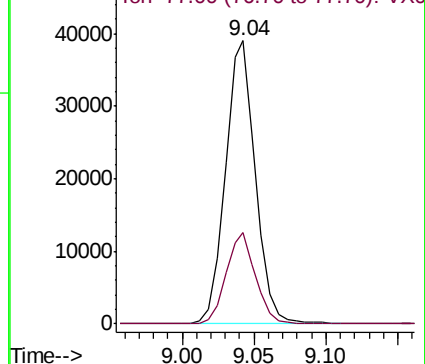
75 100

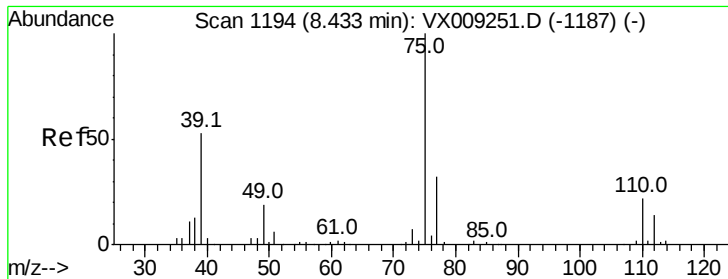
77 32.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



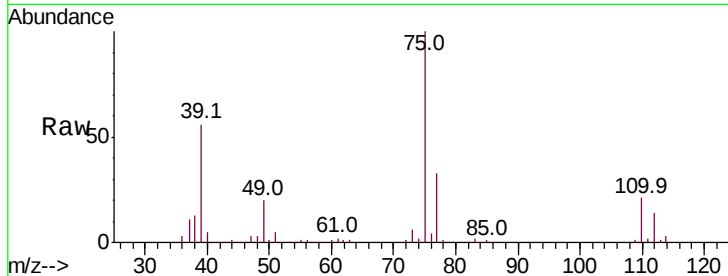


#49

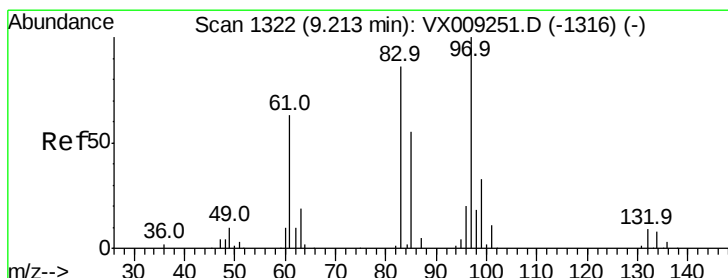
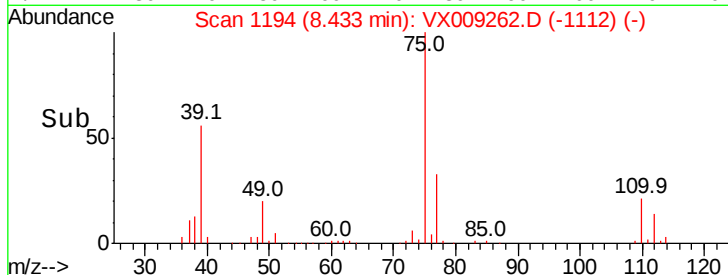
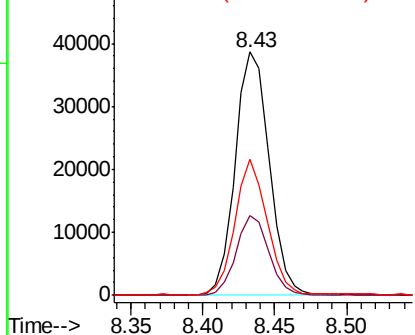
cis-1,3-Dichloropropene
 Concen: 18.771 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Tot Ion: 75 Resp: 63714
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.0 39.0
 39 55.6 42.6 63.8



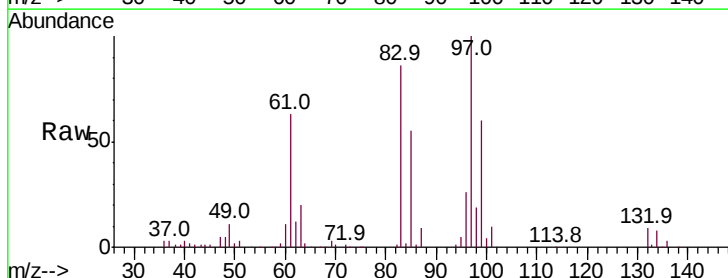
Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0



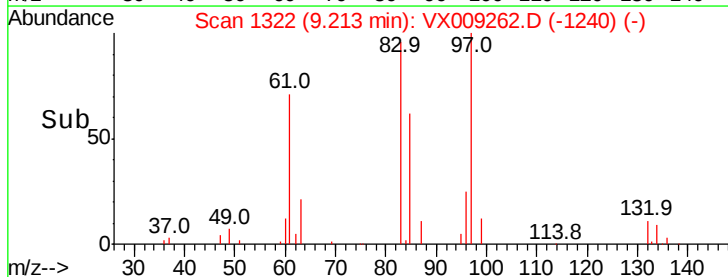
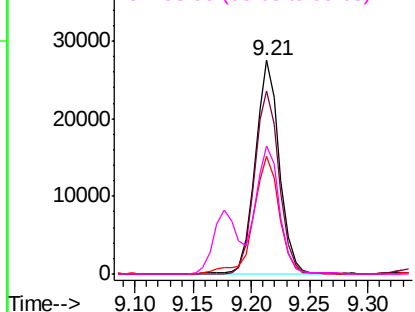
#50

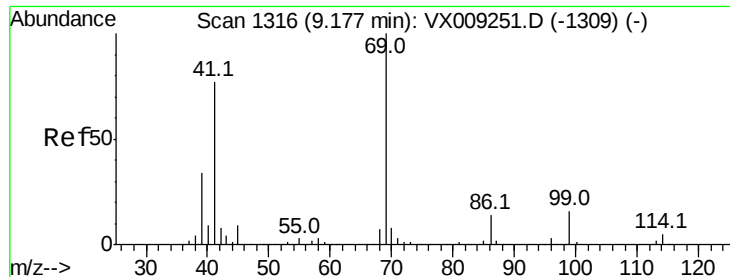
1,1,2-Trichloroethane
 Concen: 19.949 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion: 97 Resp: 39650
 Ion Ratio Lower Upper
 97 100
 83 85.7 68.8 103.2
 85 55.1 45.8 68.6
 99 59.7 50.0 75.0



Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 19.106 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

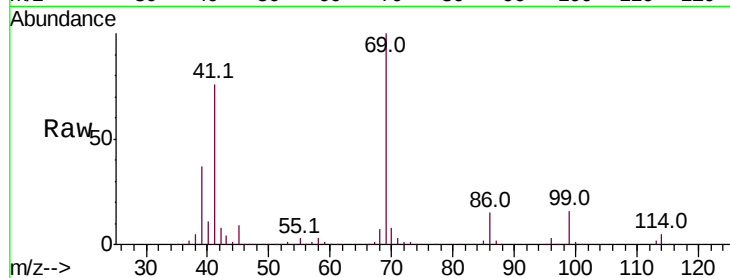
Tot Ion: 69 Resp: 70177

Ion Ratio Lower Upper

69 100

41 75.5 38.4 115.2

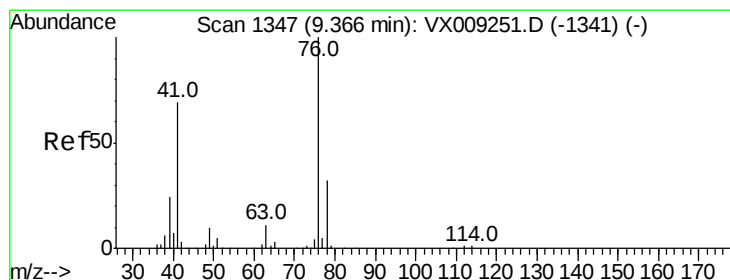
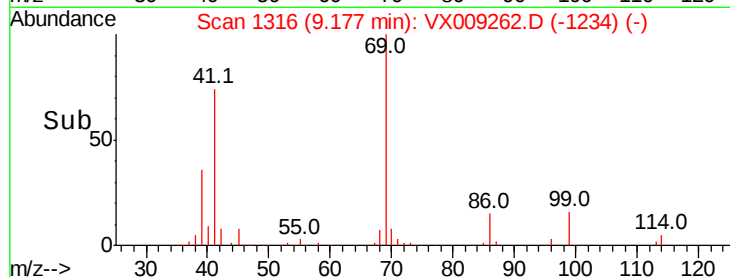
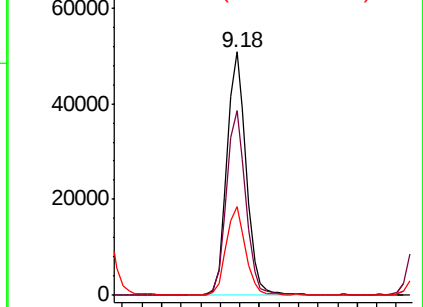
39 36.5 17.2 51.5



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: 19.576 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX009262.D

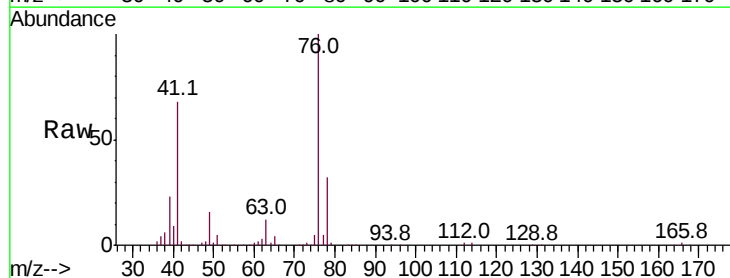
Acq: 01 May 2019 18:24

Tgt Ion: 76 Resp: 69053

Ion Ratio Lower Upper

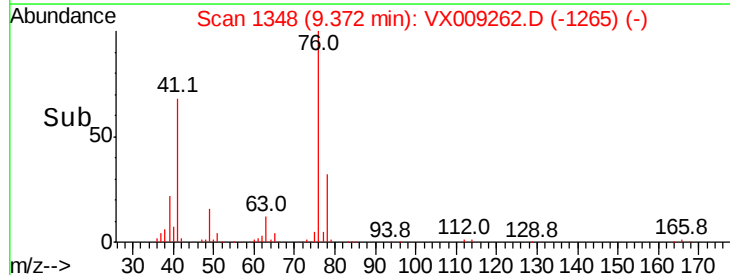
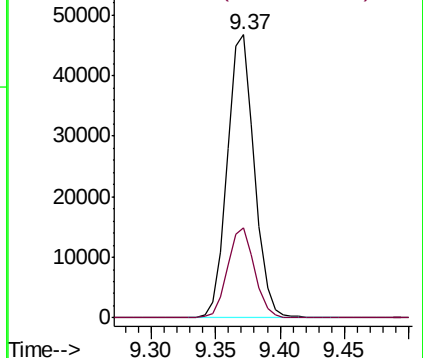
76 100

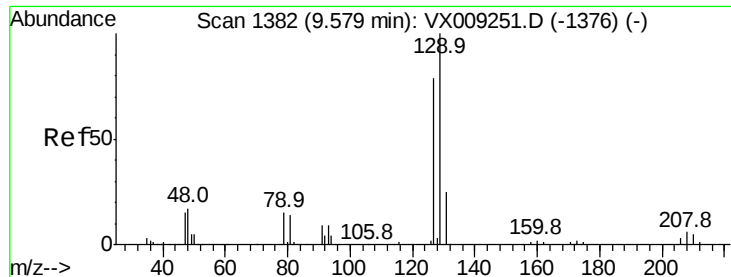
78 31.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 18.719 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

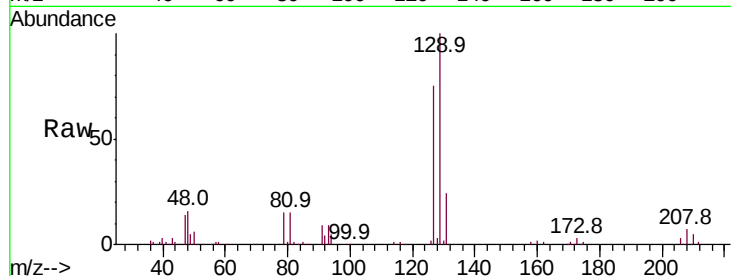
VX0501WBSD01

Tot Ion:129 Resp: 37054

Ion Ratio Lower Upper

129 100

127 76.8 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

25000

20000

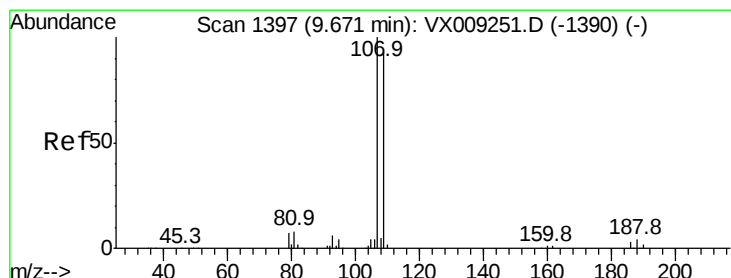
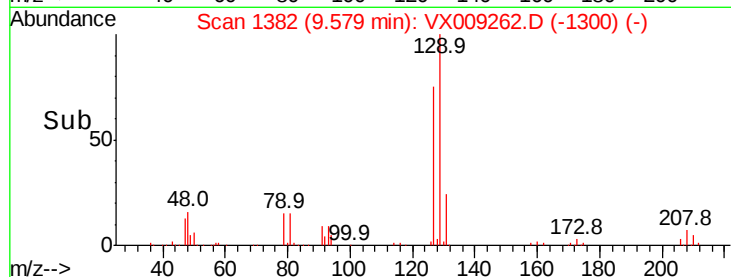
15000

10000

5000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 19.491 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009262.D

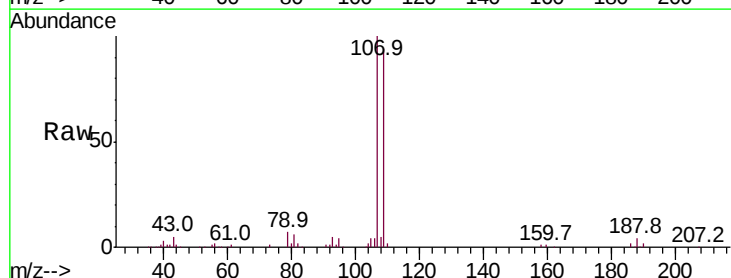
Acq: 01 May 2019 18:24

Tgt Ion:107 Resp: 39732

Ion Ratio Lower Upper

107 100

109 92.8 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

30000

25000

20000

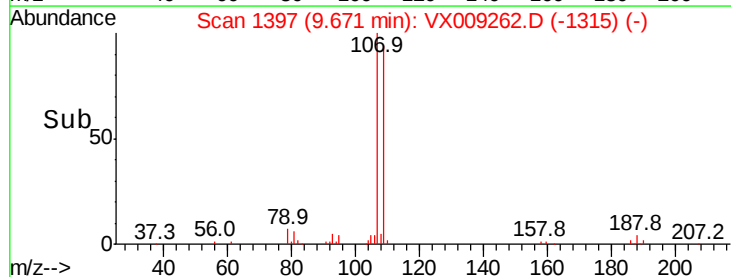
15000

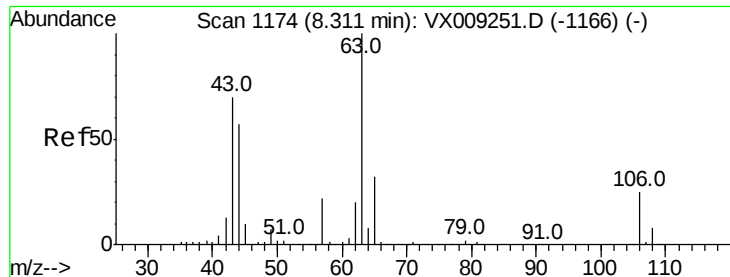
10000

5000

0

Time--> 9.60 9.65 9.70 9.75





#55

2-Chloroethyl vinyl ether

Concen: 102.189 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

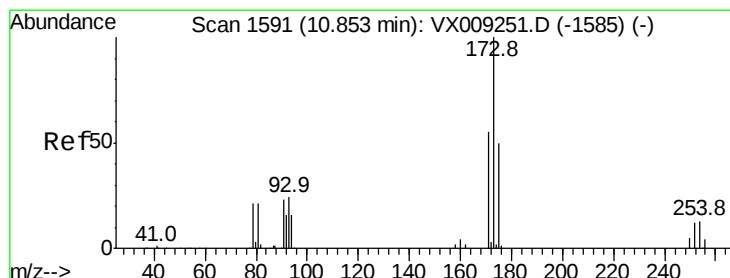
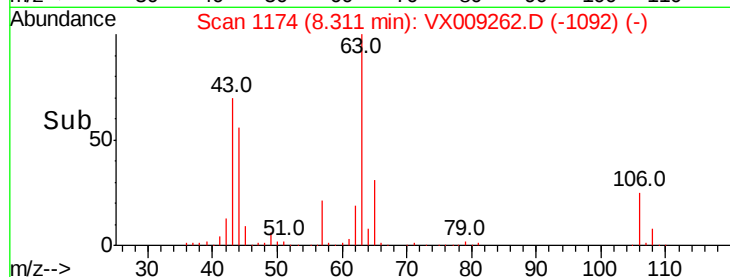
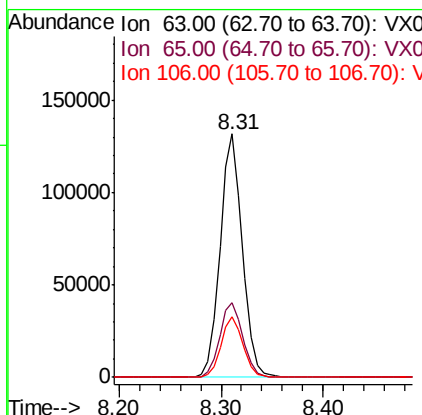
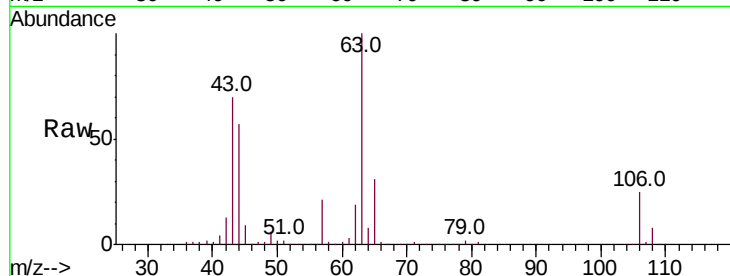
Tot Ion: 63 Resp: 200007

Ion Ratio Lower Upper

63 100

65 31.9 25.8 38.6

106 24.7 19.8 29.6



#56

Bromoform

Concen: 17.910 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

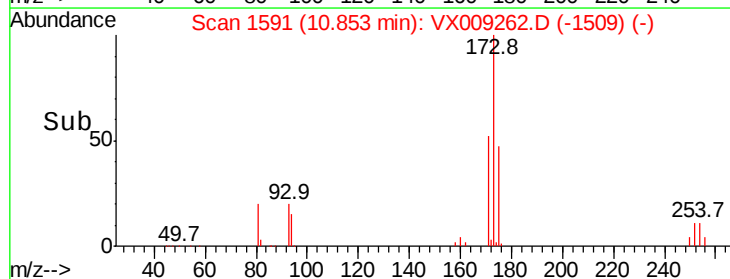
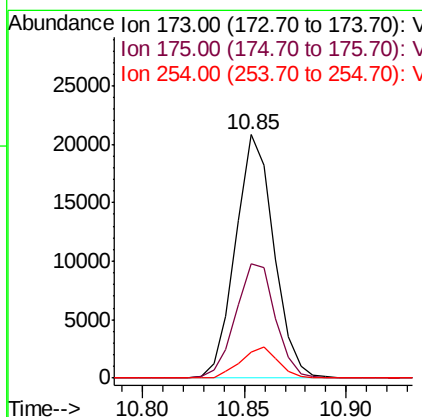
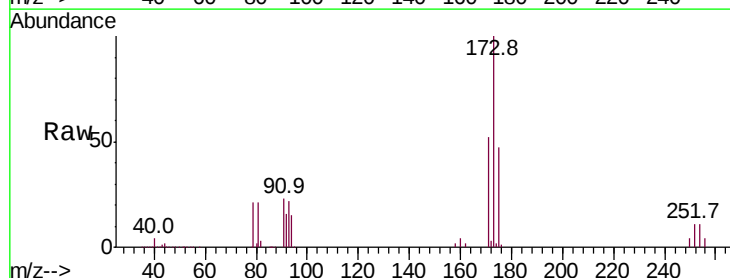
Tgt Ion:173 Resp: 27214

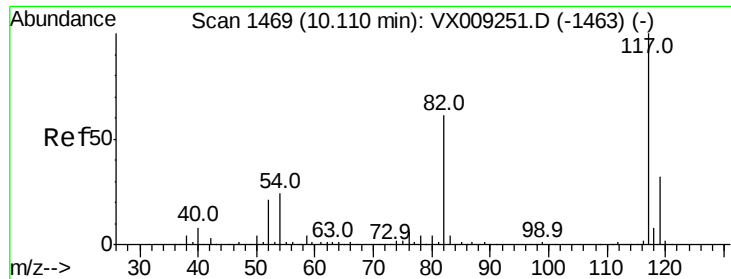
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

254 12.5 9.9 14.9

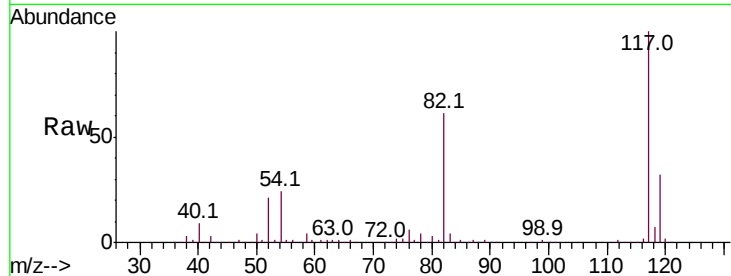




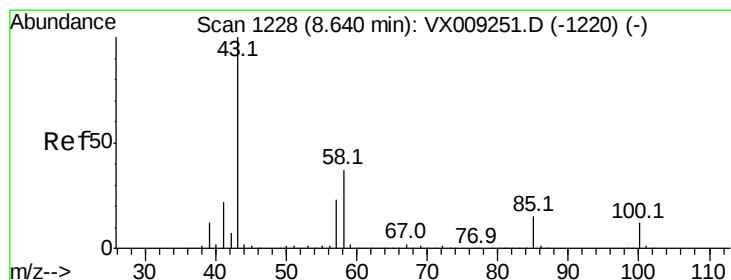
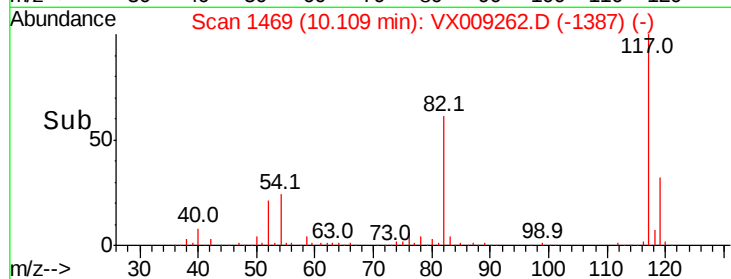
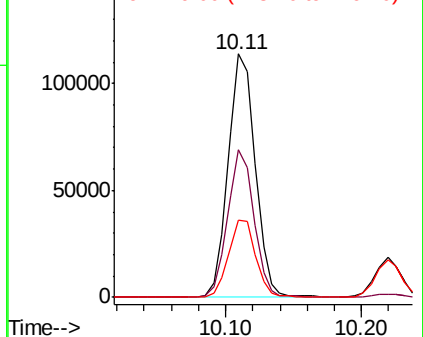
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion:117 Resp: 158173
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 32.1 25.6 38.4

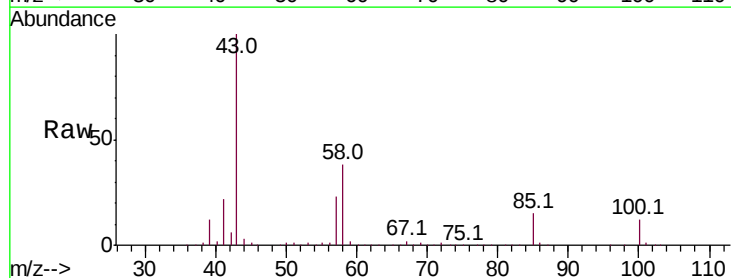


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

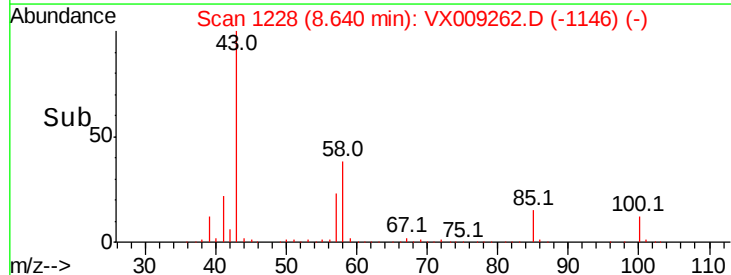
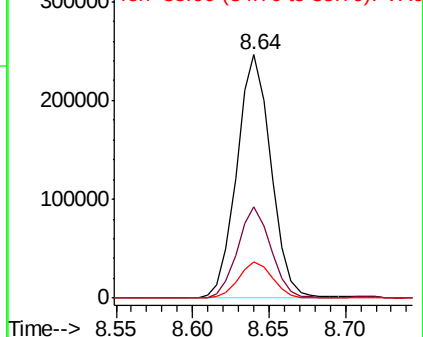


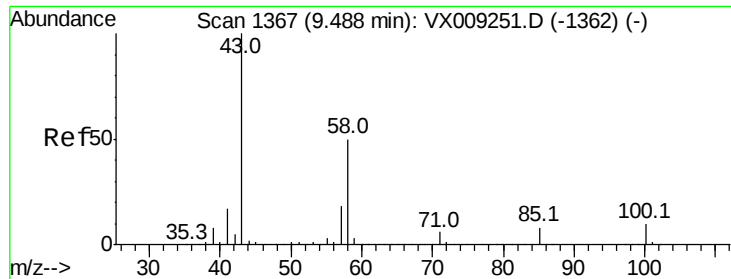
#58
4-Methyl-2-Pentanone
Concen: 97.949 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 43 Resp: 380951
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.0
85 15.0 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

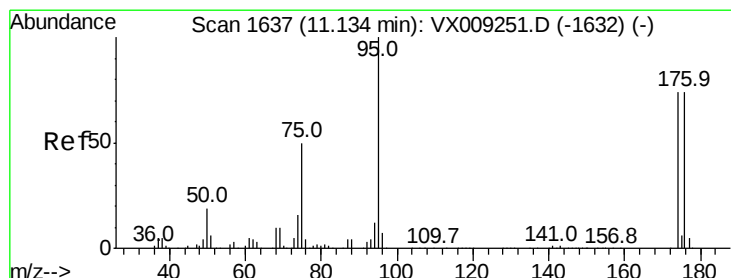
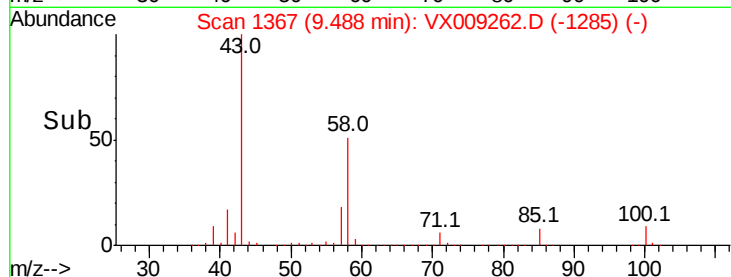
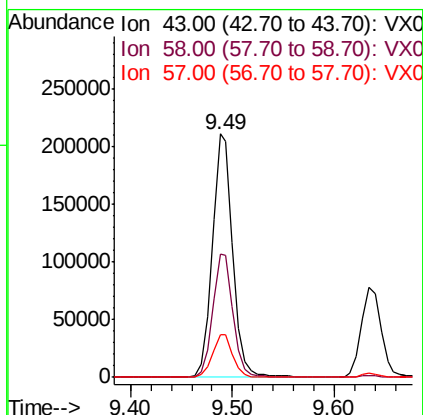
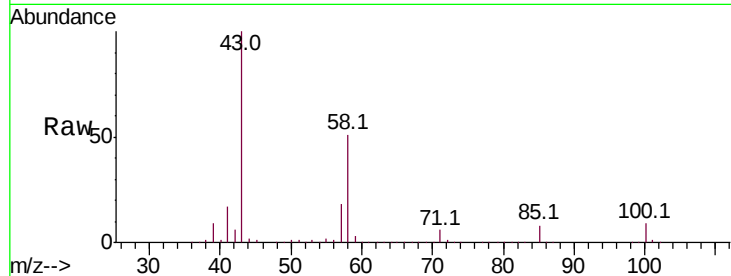




#59
2-Hexanone
Concen: 96.876 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

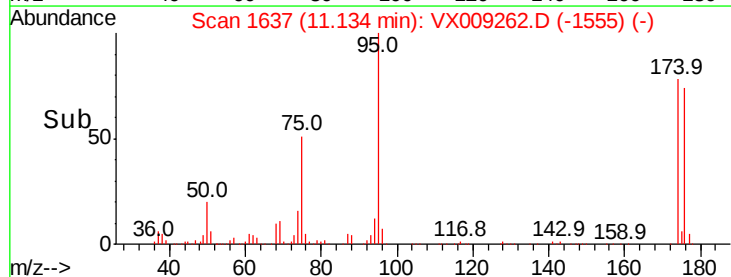
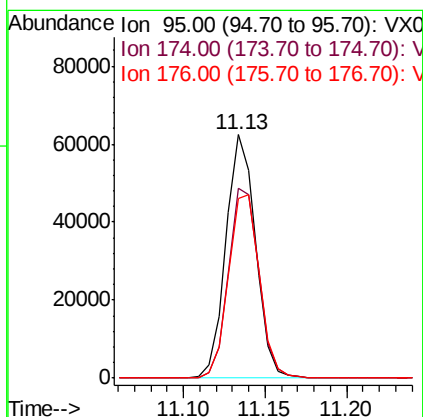
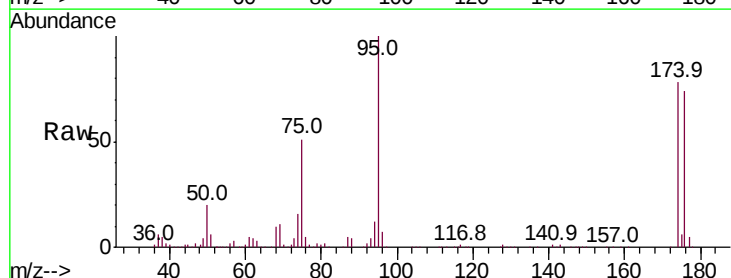
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

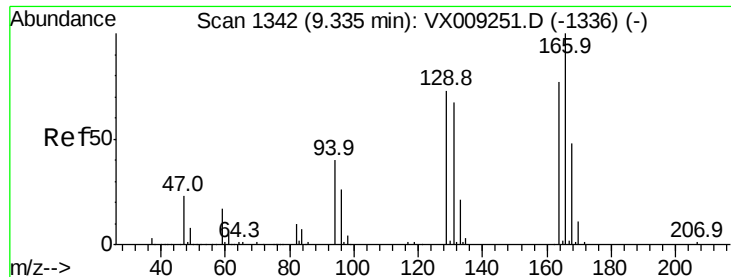
Tot Ion: 43 Resp: 295525
Ion Ratio Lower Upper
43 100
58 50.6 40.8 61.2
57 17.7 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.387 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 95 Resp: 78985
Ion Ratio Lower Upper
95 100
174 80.0 63.6 95.4
176 78.6 62.4 93.6





#61

Tetrachloroethene

Concen: 19.291 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion:164 Resp: 33637

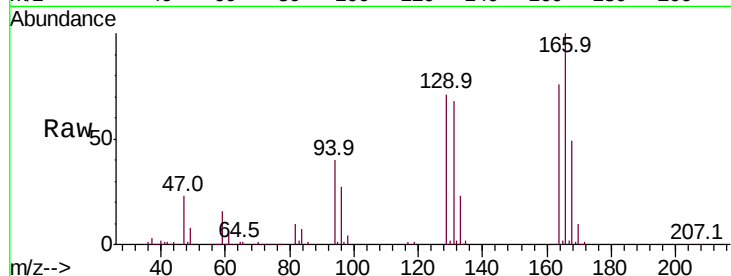
Ion Ratio Lower Upper

164 100

166 131.6 104.1 156.1

129 93.9 76.0 114.0

131 89.7 70.1 105.1

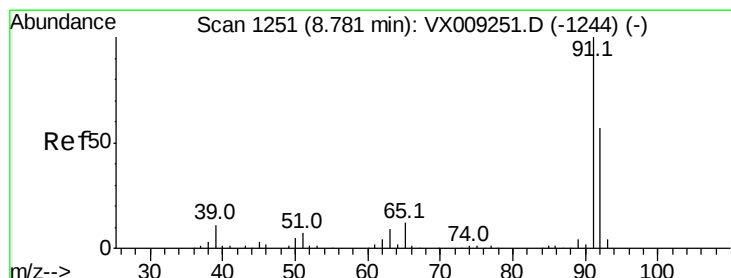
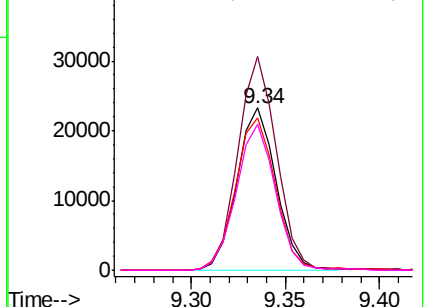
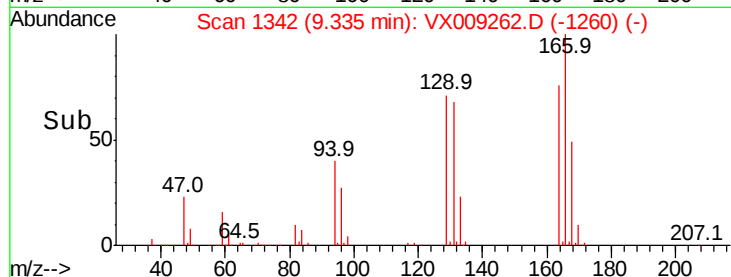


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.485 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009262.D

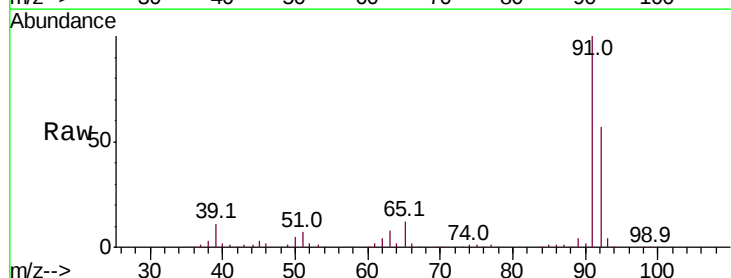
Acq: 01 May 2019 18:24

Tgt Ion: 91 Resp: 164685

Ion Ratio Lower Upper

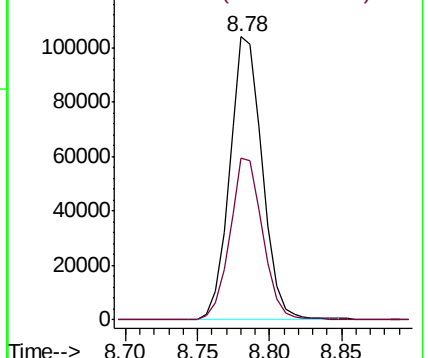
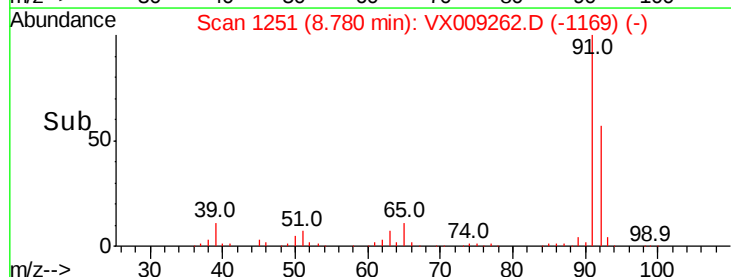
91 100

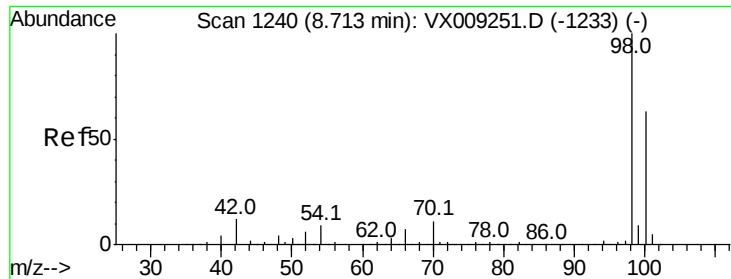
92 57.6 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

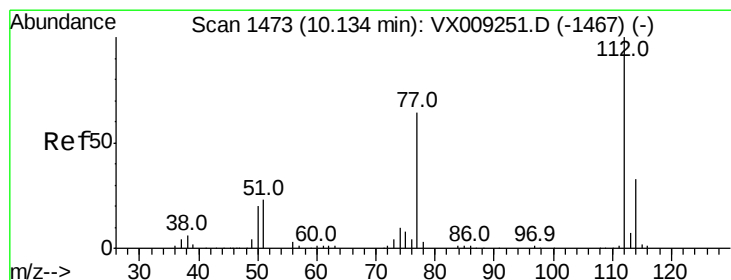
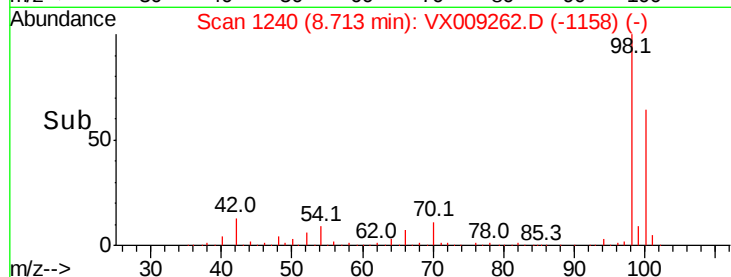
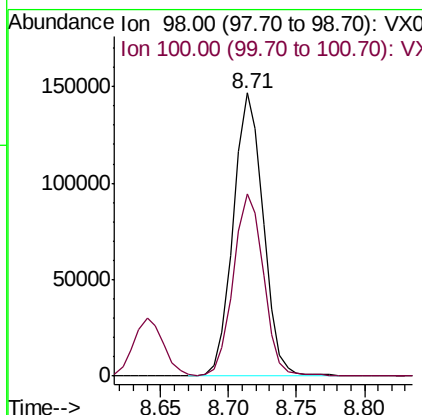
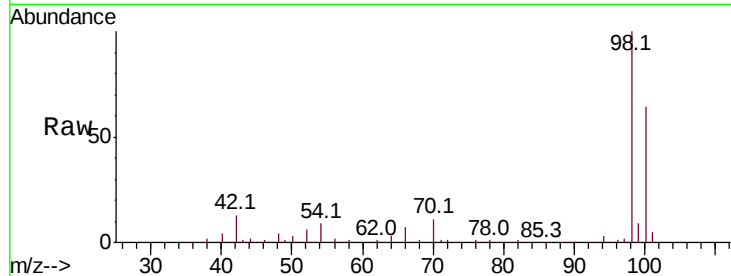




#63
Toluene-d8
Concen: 30.160 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

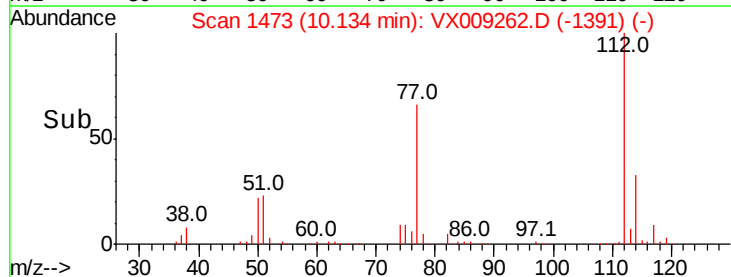
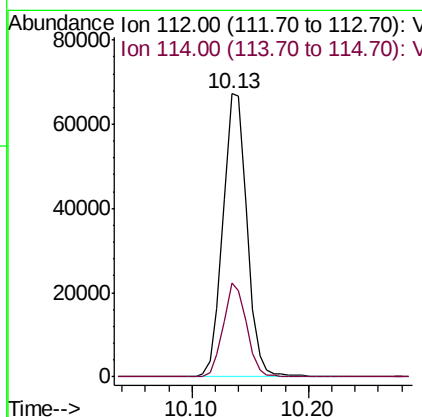
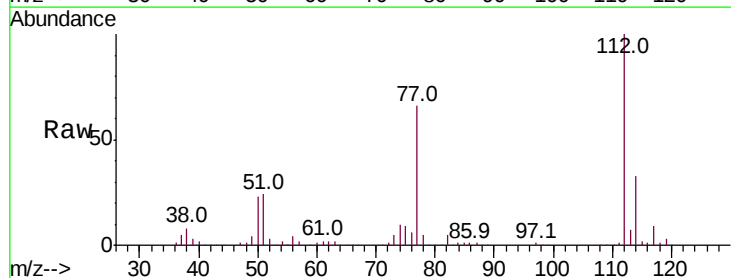
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

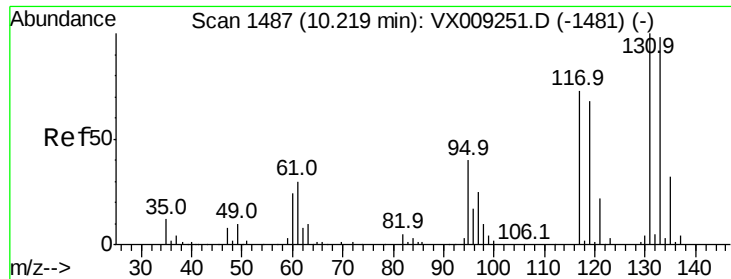
Tot Ion: 98 Resp: 226176
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#64
Chlorobenzene
Concen: 18.951 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 112 Resp: 96397
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.737 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

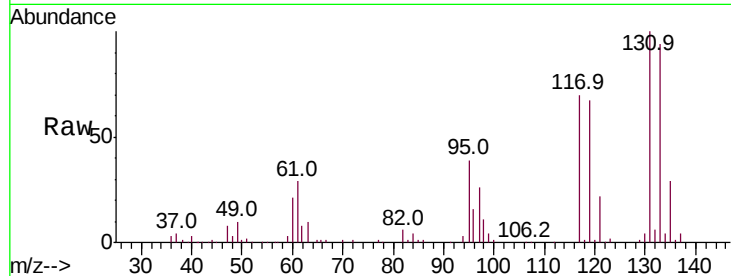
Tot Ion:131 Resp: 34898

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.2

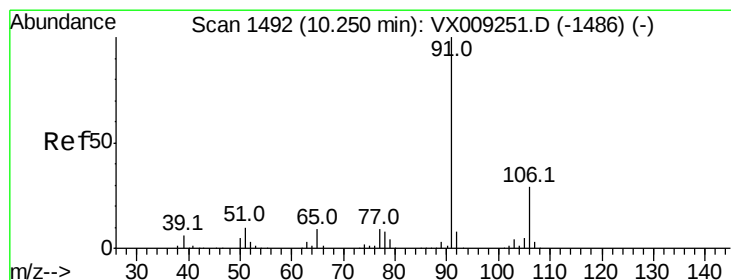
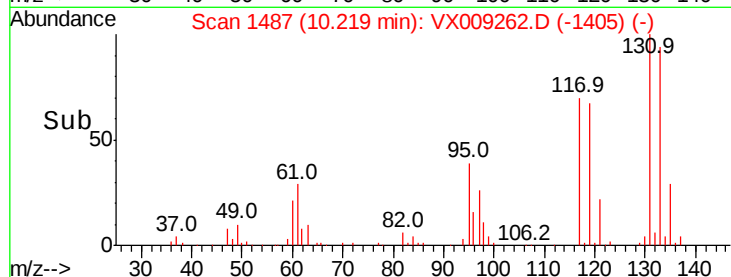
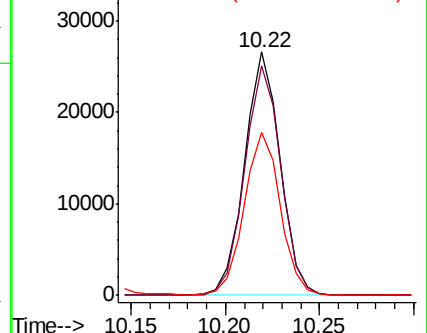
119 68.0 0.0 135.4



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: 18.912 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009262.D

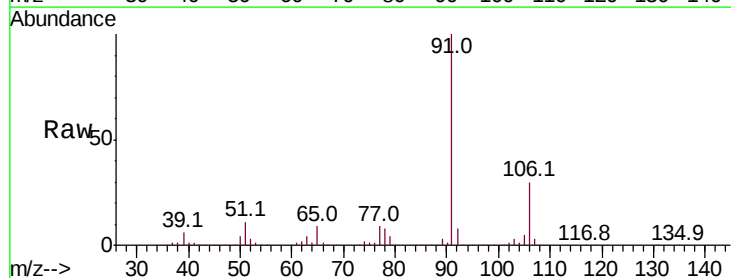
Acq: 01 May 2019 18:24

Tgt Ion: 91 Resp: 178068

Ion Ratio Lower Upper

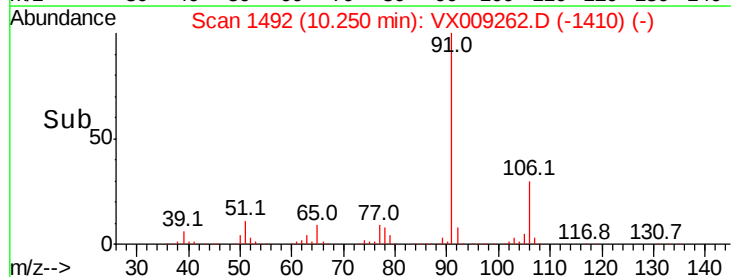
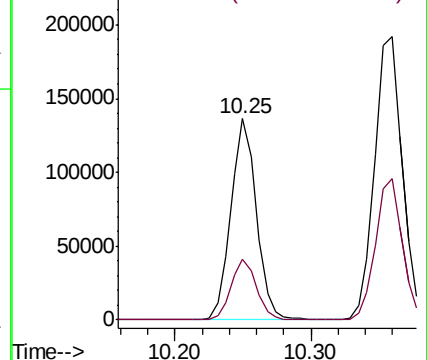
91 100

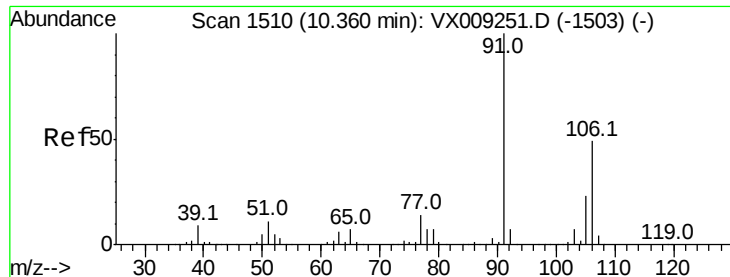
106 30.1 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 38.453 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

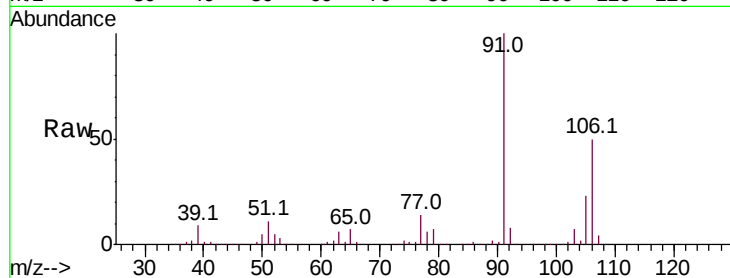
VX0501WBSD01

Tot Ion:106 Resp: 132194

Ion Ratio Lower Upper

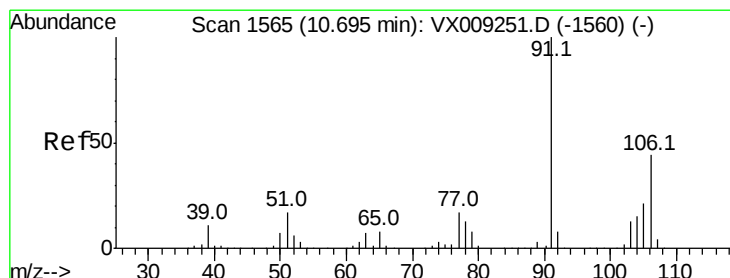
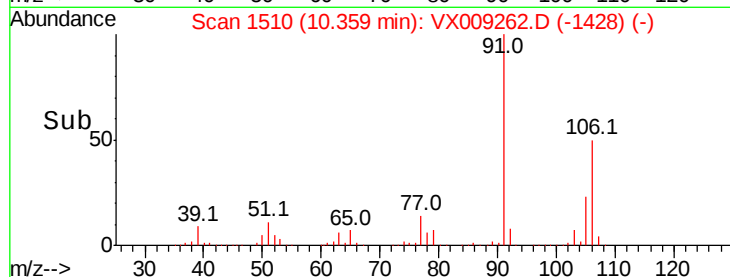
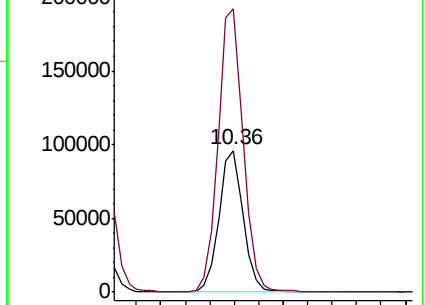
106 100

91 207.1 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.272 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009262.D

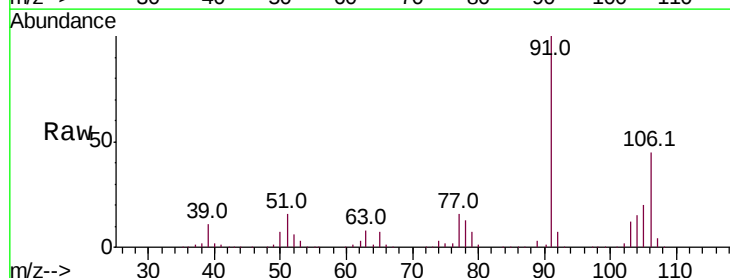
Acq: 01 May 2019 18:24

Tgt Ion:106 Resp: 65144

Ion Ratio Lower Upper

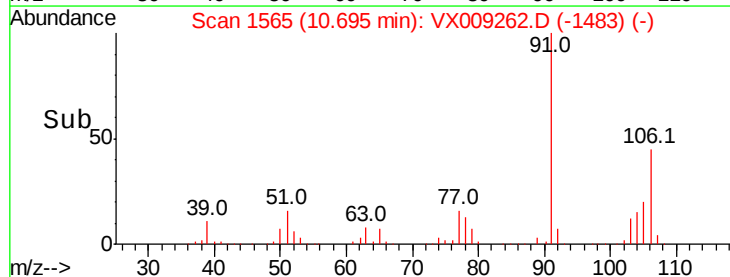
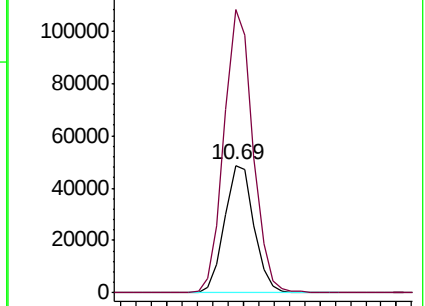
106 100

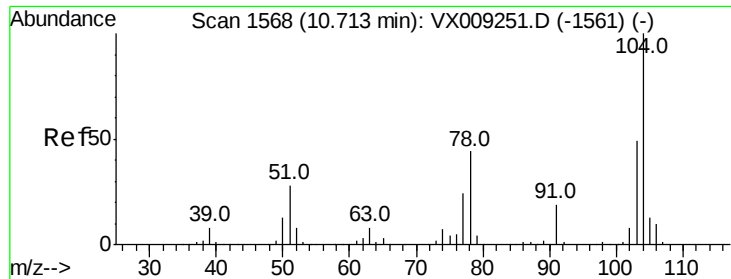
91 217.6 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

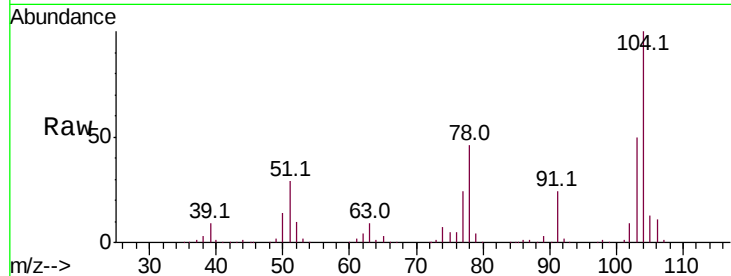




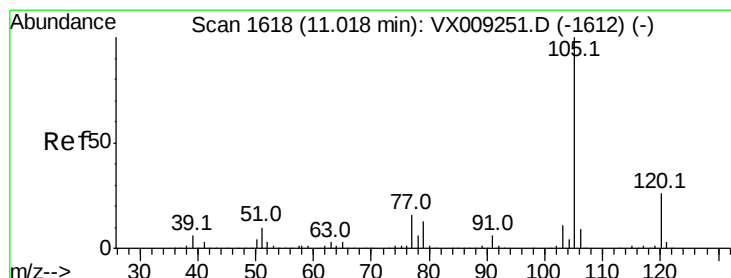
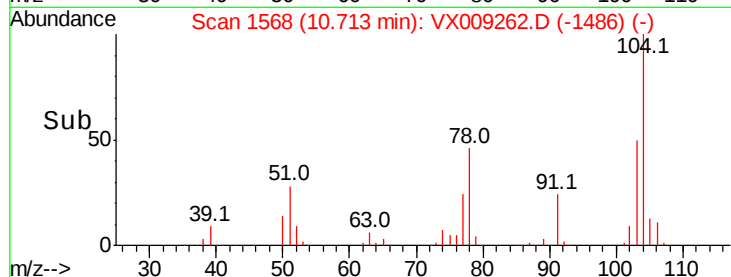
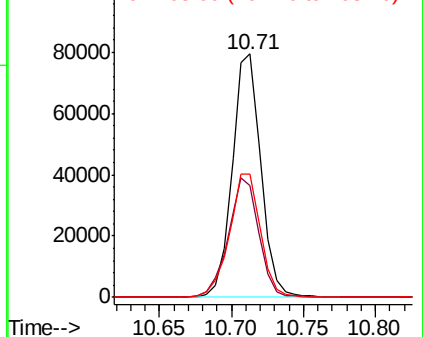
#69
Stvrene
Concen: 18.633 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion:104 Resp: 110569
Ion Ratio Lower Upper
104 100
78 52.0 41.1 61.7
103 55.1 43.8 65.8

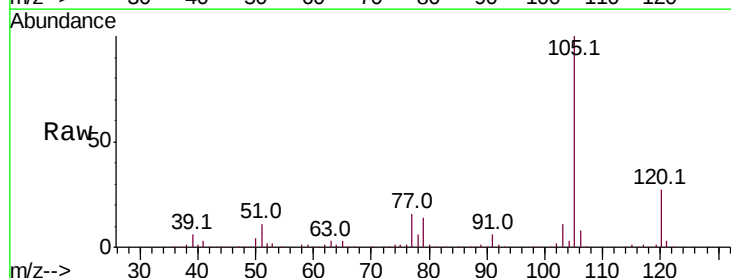


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

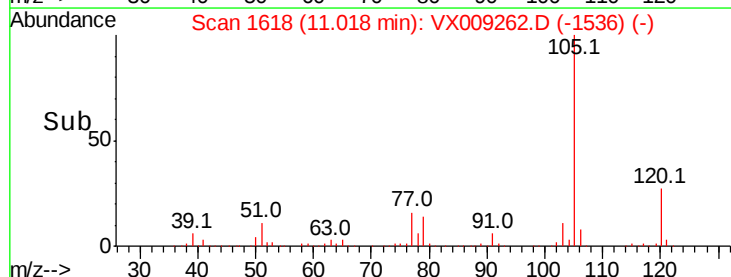
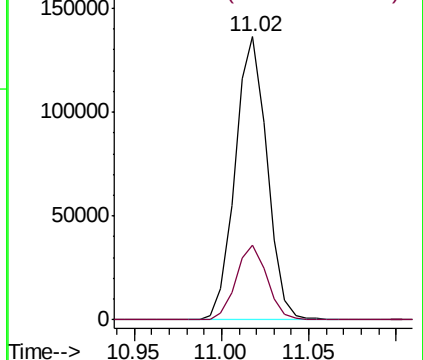


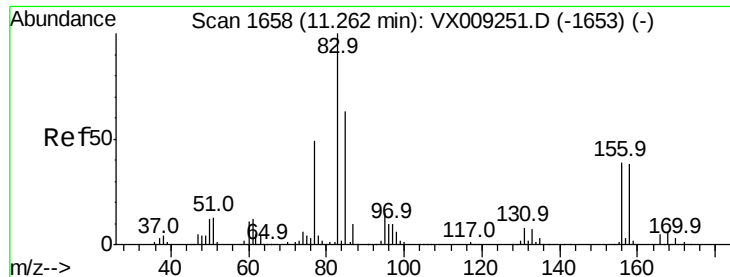
#70
Isopropylbenzene
Concen: 18.980 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion:105 Resp: 172546
Ion Ratio Lower Upper
105 100
120 25.8 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

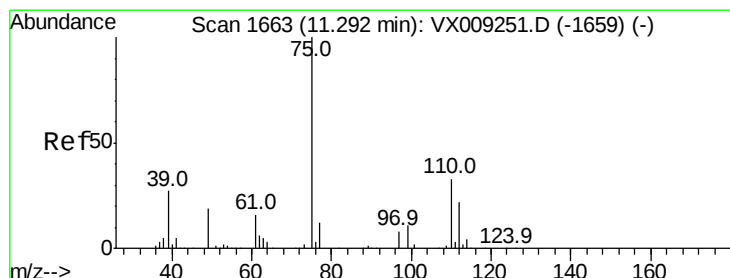
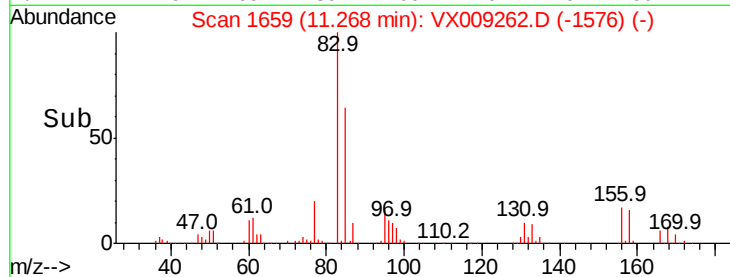
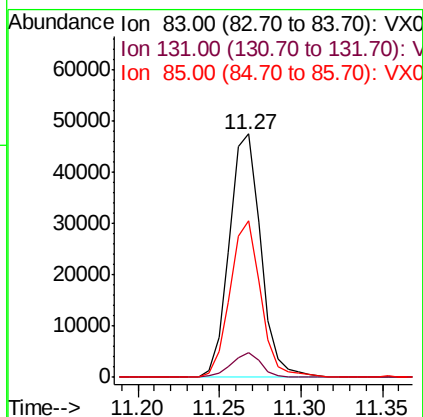
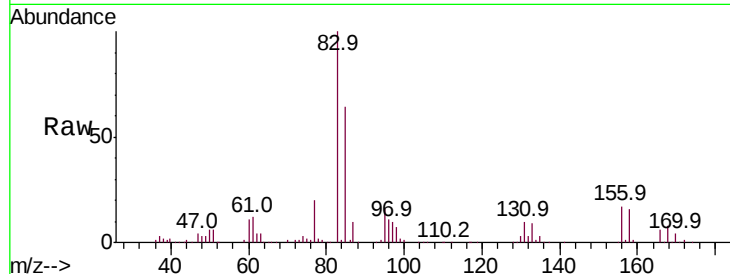




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.187 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

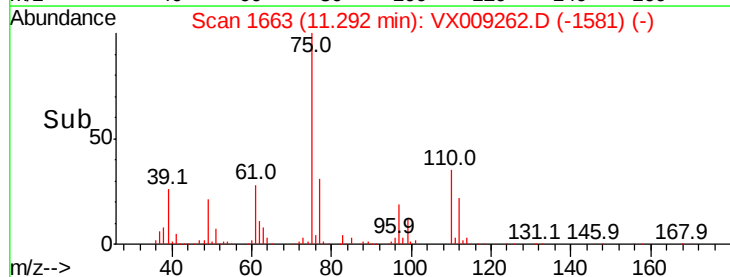
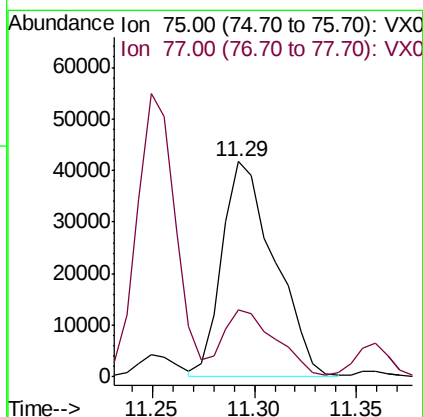
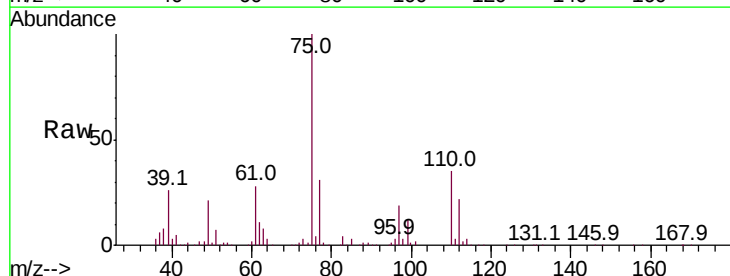
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

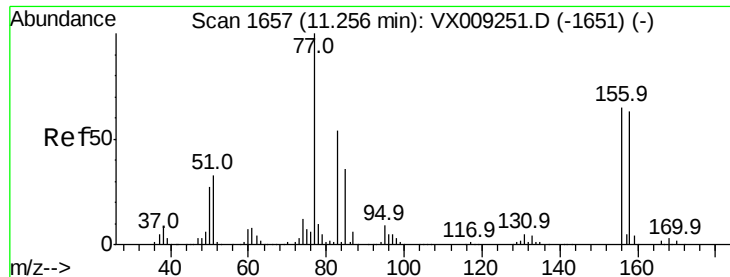
Tot Ion: 83 Resp: 63879
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.7 14.0
 85 62.9 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 26.108 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion: 75 Resp: 74907
 Ion Ratio Lower Upper
 75 100
 77 31.5 0.0 86.4





#73

Bromobenzene

Concen: 18.764 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

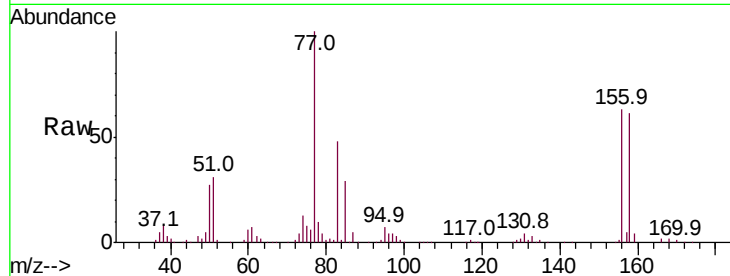
Tot Ion:156 Resp: 42147

Ion Ratio Lower Upper

156 100

77 169.9 0.0 335.6

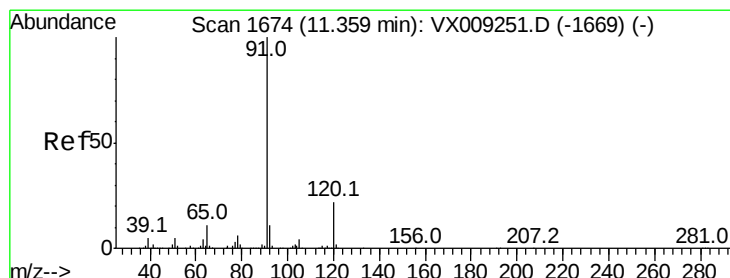
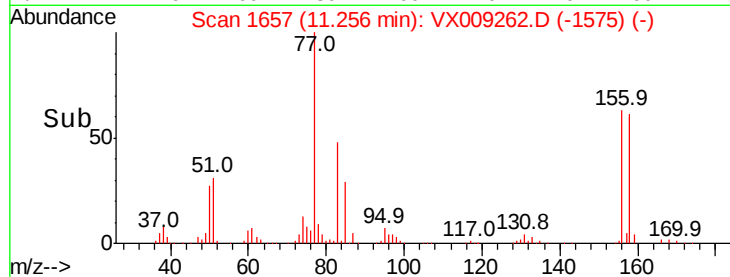
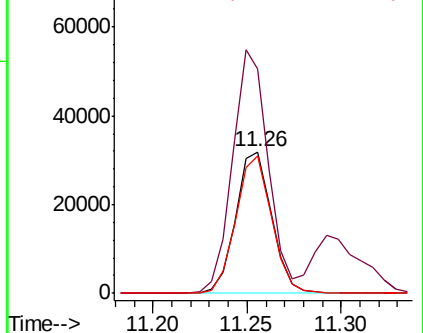
158 96.6 0.0 191.2



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: 18.900 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009262.D

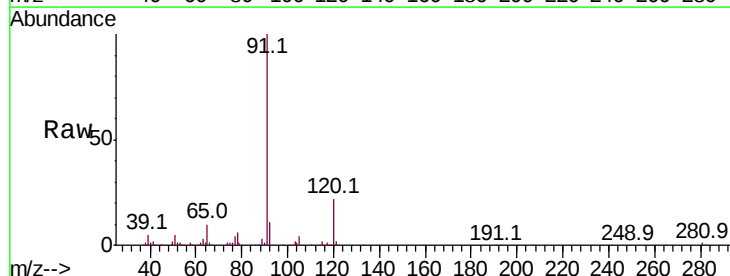
Acq: 01 May 2019 18:24

Tgt Ion: 91 Resp: 199112

Ion Ratio Lower Upper

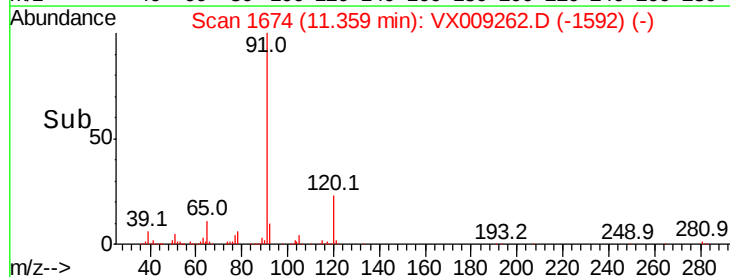
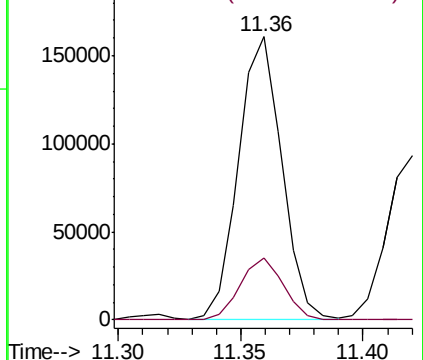
91 100

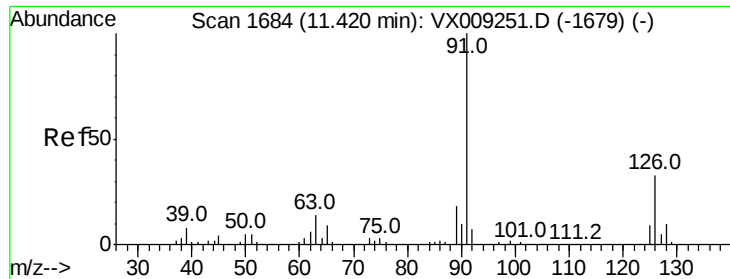
120 21.8 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.029 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

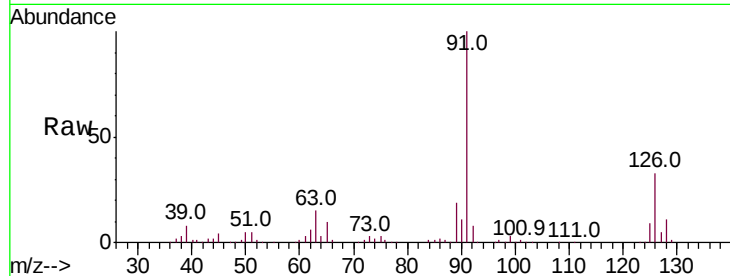
VX0501WBSD01

Tot Ion: 91 Resp: 120240

Ion Ratio Lower Upper

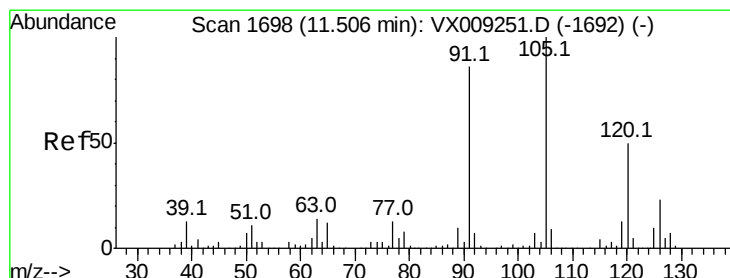
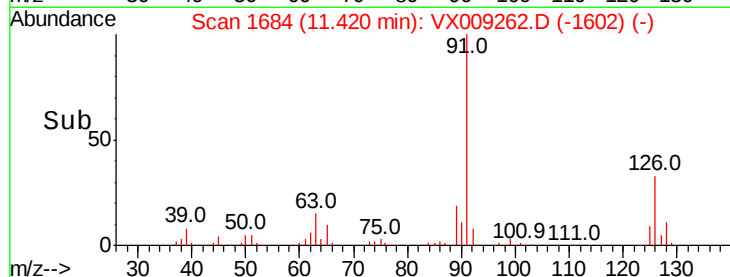
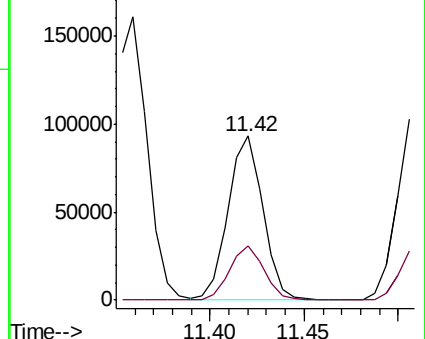
91 100

126 32.4 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.067 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009262.D

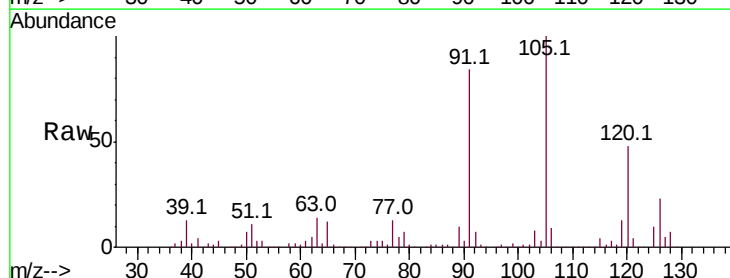
Acq: 01 May 2019 18:24

Tgt Ion:105 Resp: 146826

Ion Ratio Lower Upper

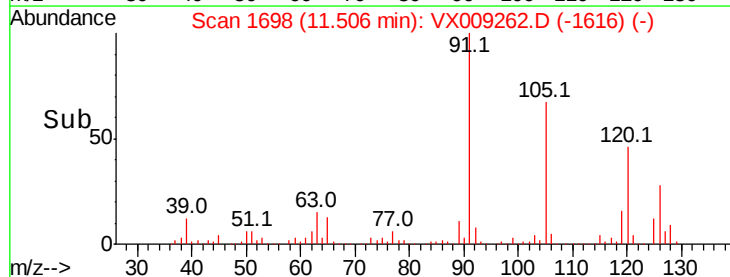
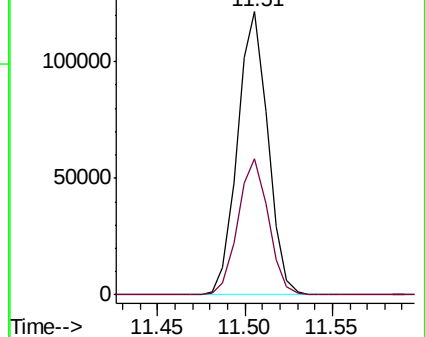
105 100

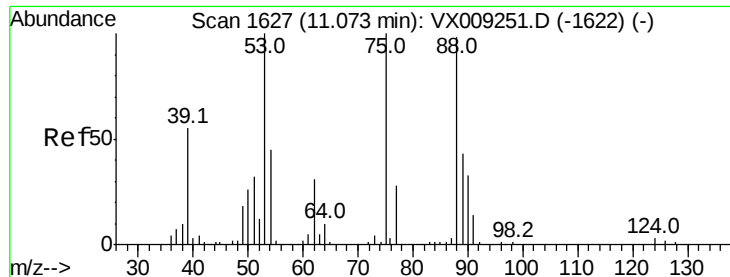
120 48.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.178 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

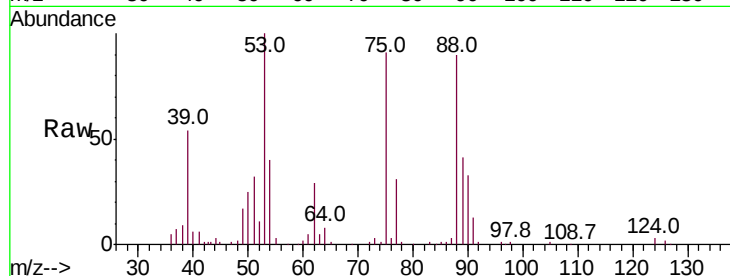
Tot Ion: 75 Resp: 19880

Ion Ratio Lower Upper

75 100

53 110.2 50.0 149.8

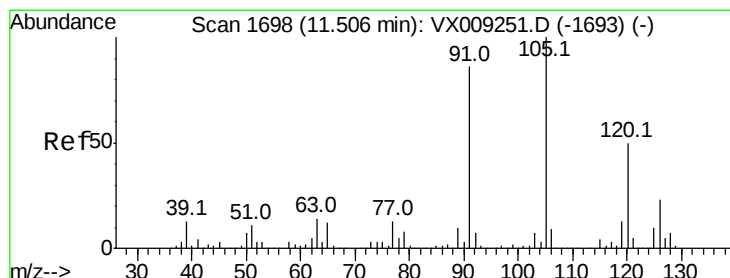
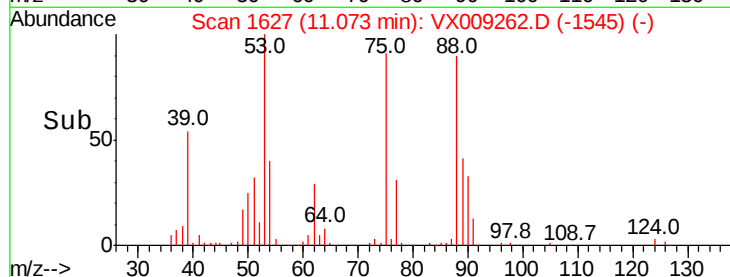
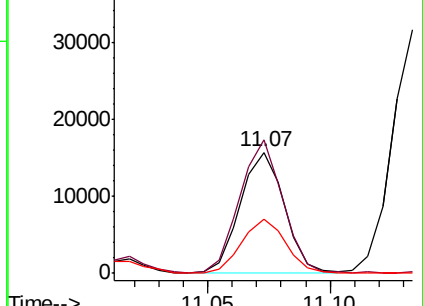
89 45.0 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.768 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009262.D

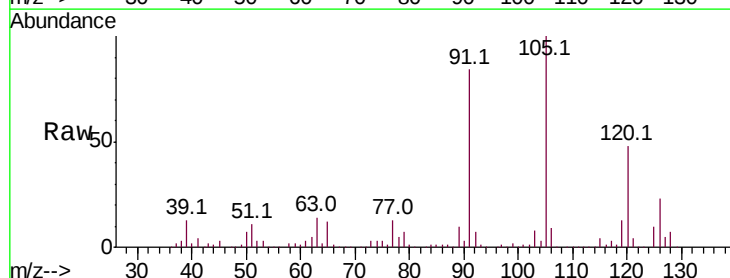
Acq: 01 May 2019 18:24

Tgt Ion: 91 Resp: 134693

Ion Ratio Lower Upper

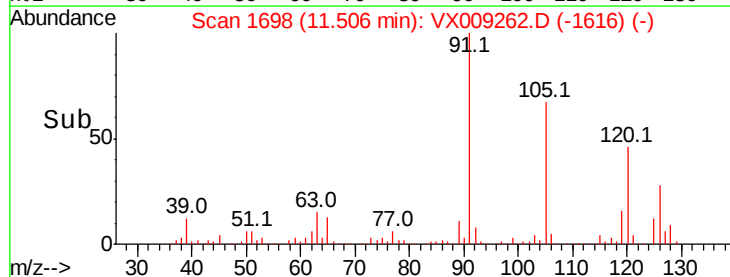
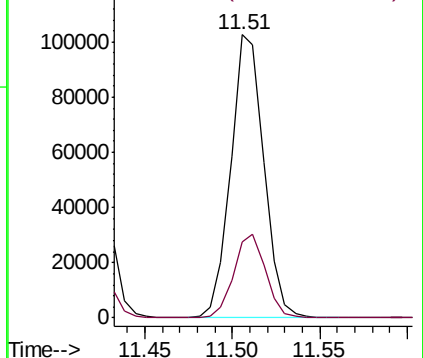
91 100

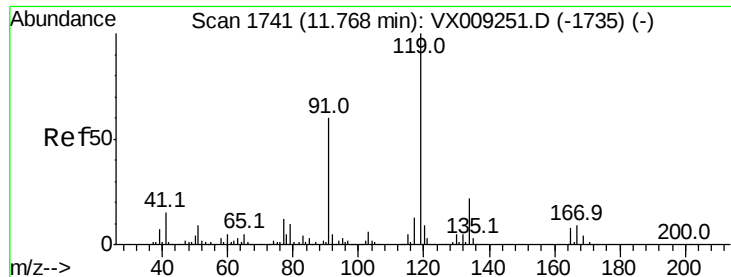
126 28.7 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 18.832 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

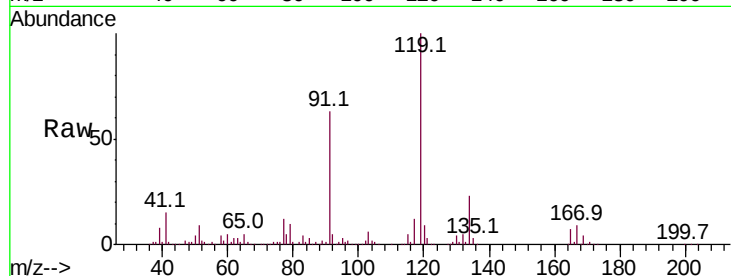
Tot Ion:119 Resp: 140188

Ion Ratio Lower Upper

119 100

91 60.1 0.0 118.2

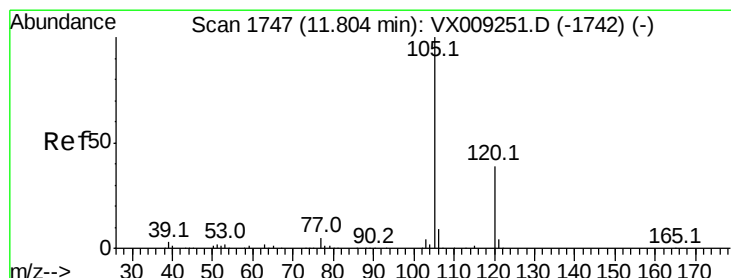
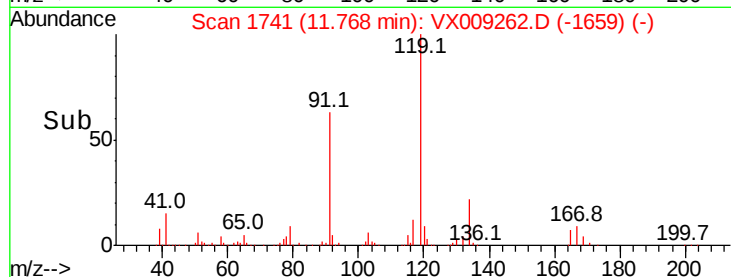
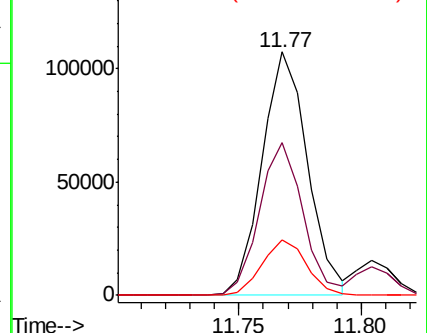
134 22.4 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.930 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009262.D

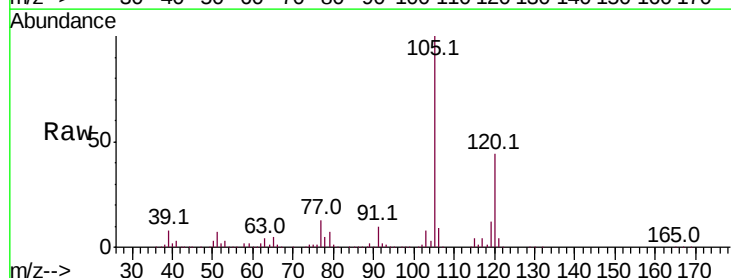
Acq: 01 May 2019 18:24

Tgt Ion:105 Resp: 146104

Ion Ratio Lower Upper

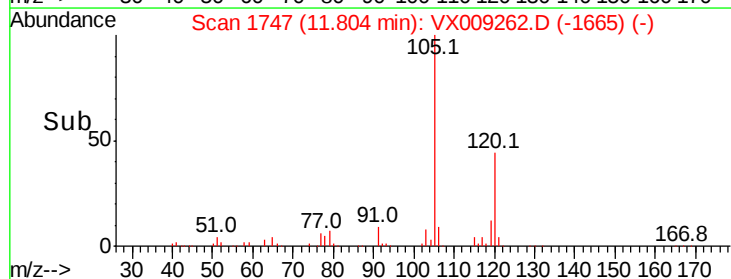
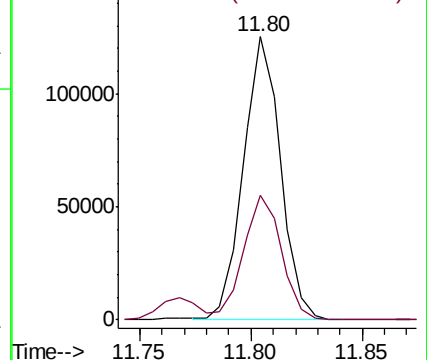
105 100

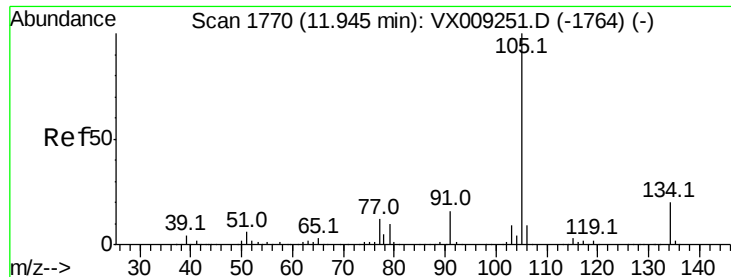
120 44.9 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.892 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

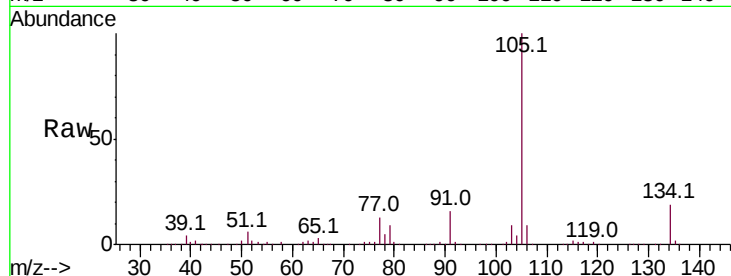
VX0501WBSD01

Tot Ion:105 Resp: 167089

Ion Ratio Lower Upper

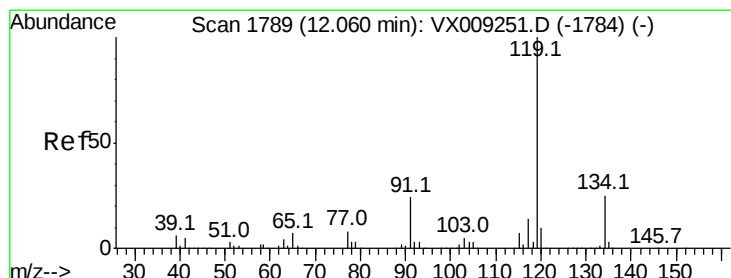
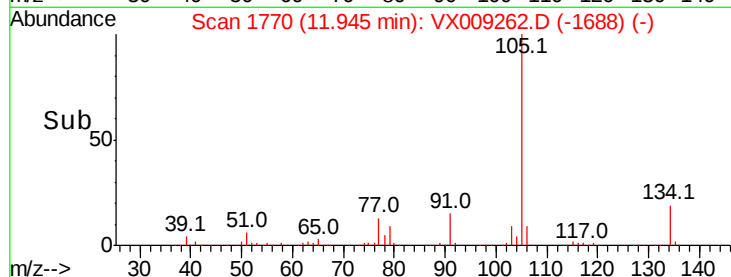
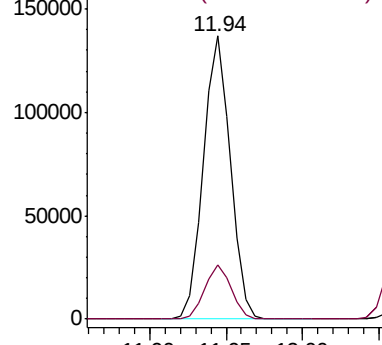
105 100

134 18.8 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.808 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

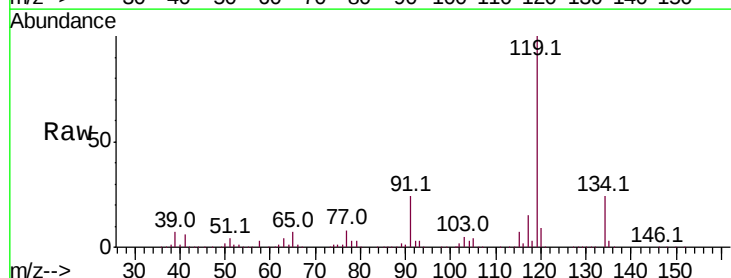
Tgt Ion:119 Resp: 151319

Ion Ratio Lower Upper

119 100

134 25.6 0.0 50.8

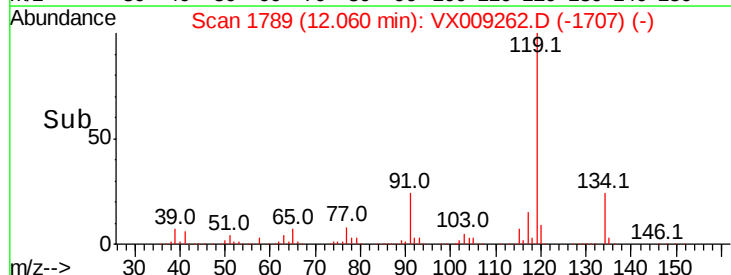
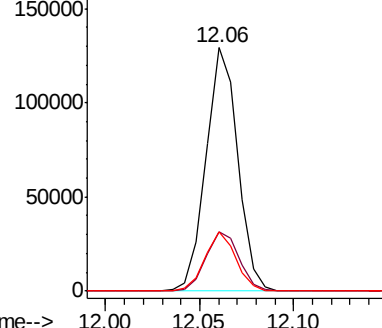
91 23.5 0.0 47.2

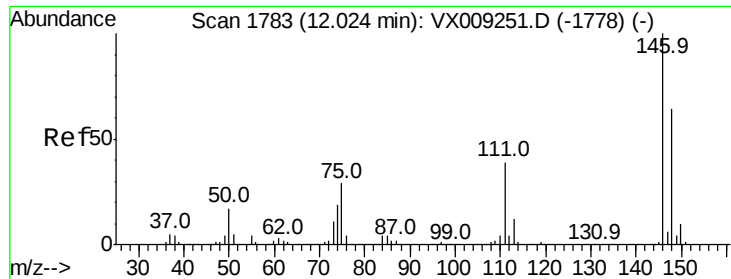


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

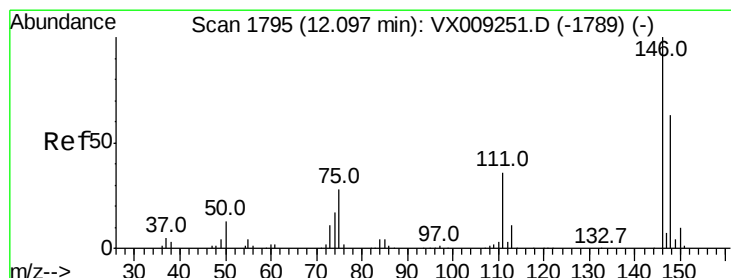
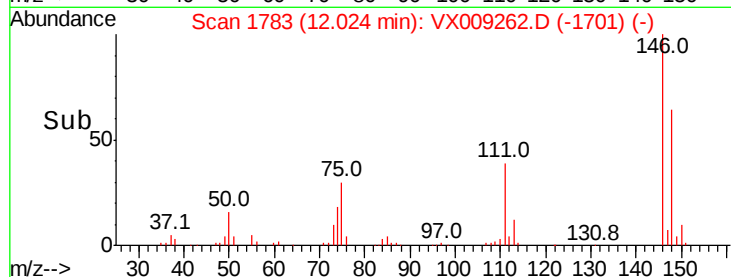
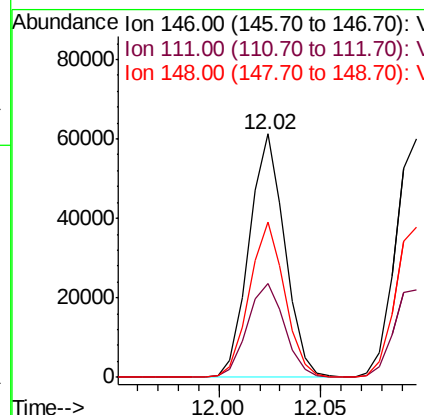
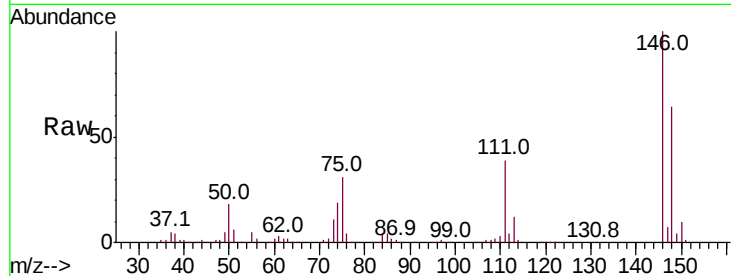




#83
 1,3-Dichlorobenzene
 Concen: 18.488 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

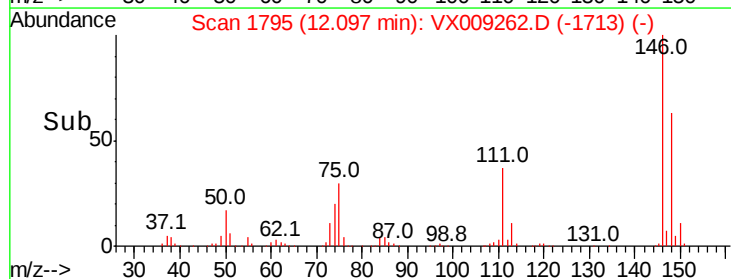
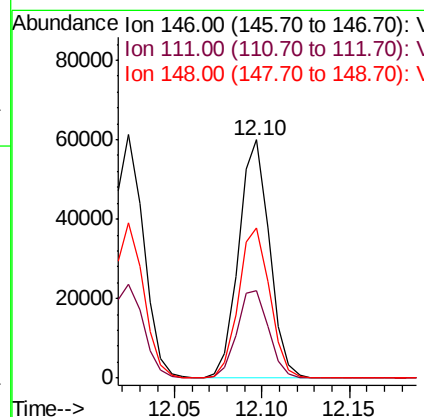
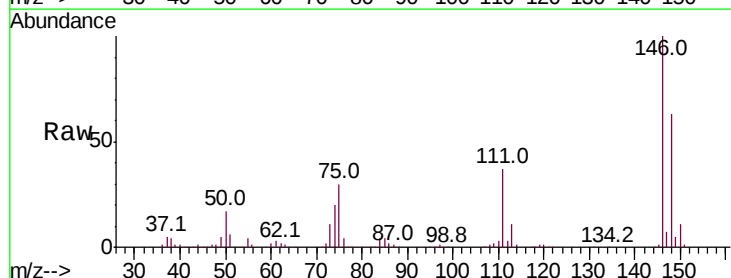
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

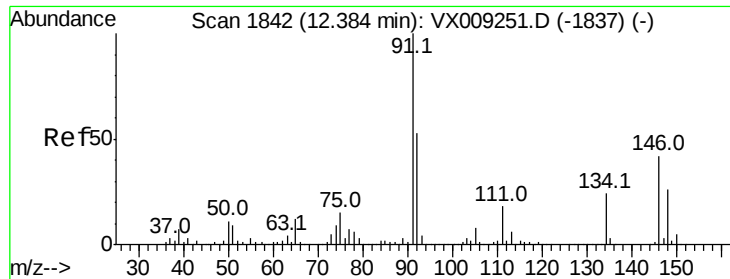
Tot Ion:146 Resp: 74162
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 63.3 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.392 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion:146 Resp: 73500
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.6 58.7
 148 64.2 32.3 96.8

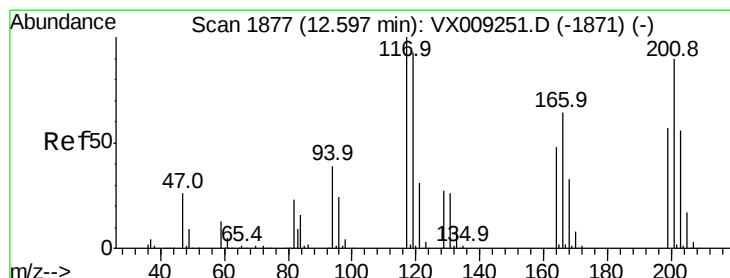
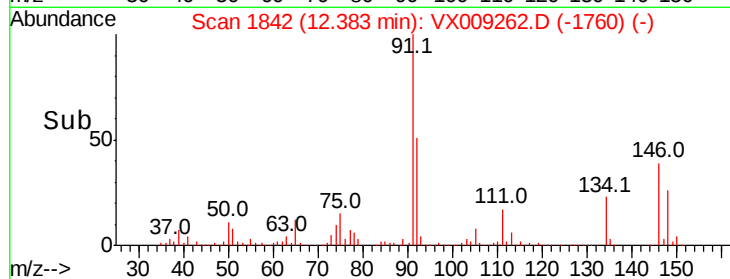
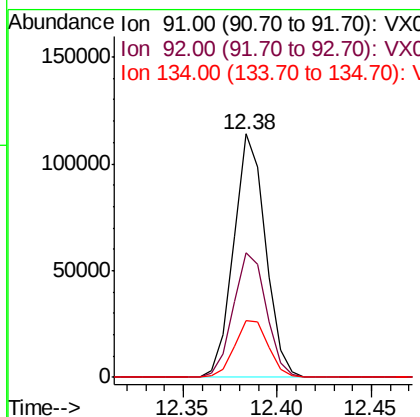
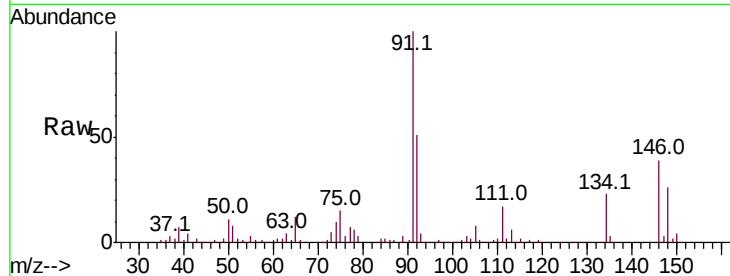




#85
n-Butylbenzene
Concen: 18.104 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

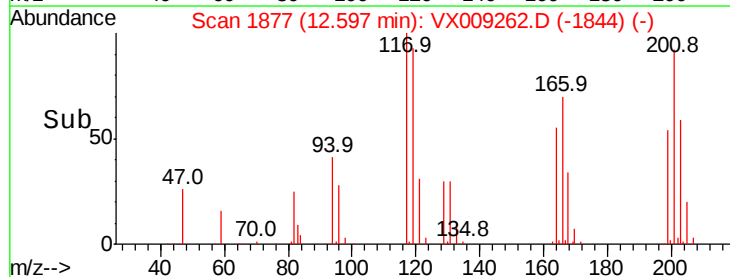
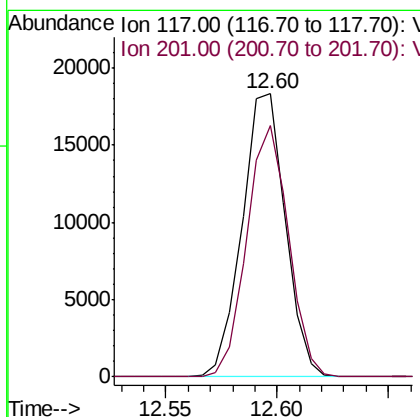
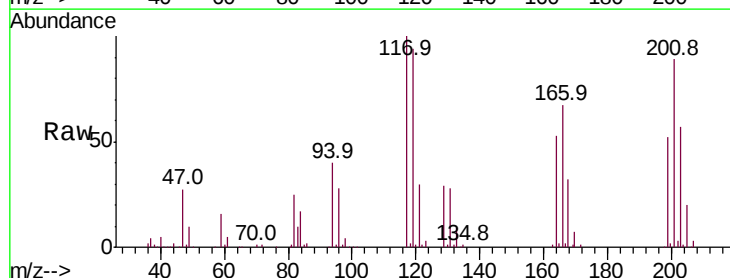
Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

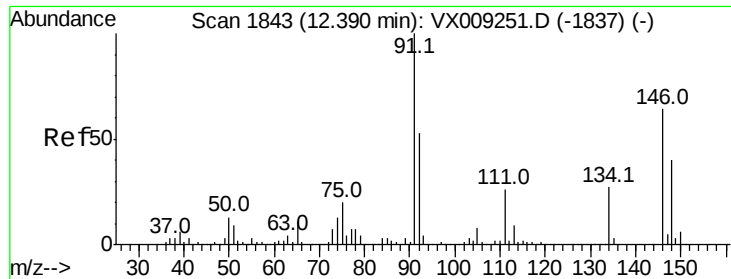
Tot Ion: 91 Resp: 133278
Ion Ratio Lower Upper
91 100
92 53.1 0.0 106.6
134 24.8 0.0 50.0



#86
Hexachloroethane
Concen: 18.220 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 117 Resp: 24944
Ion Ratio Lower Upper
117 100
201 85.1 41.8 125.4

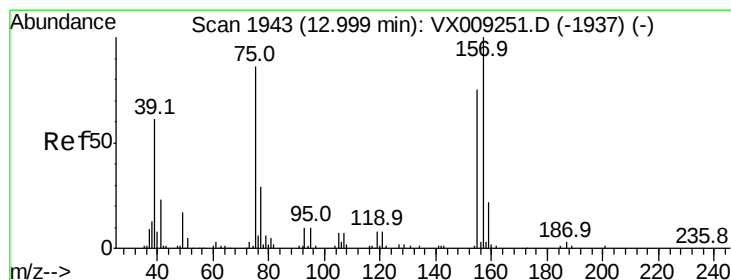
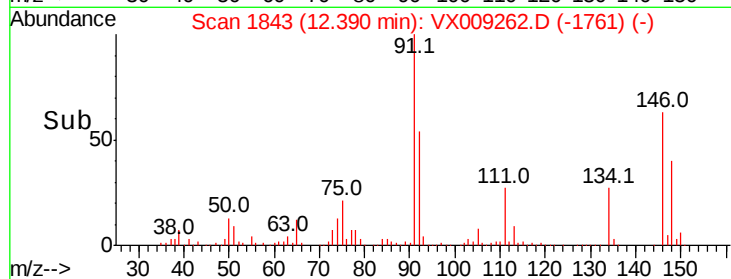
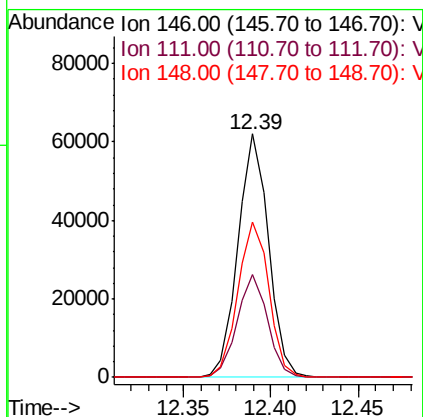
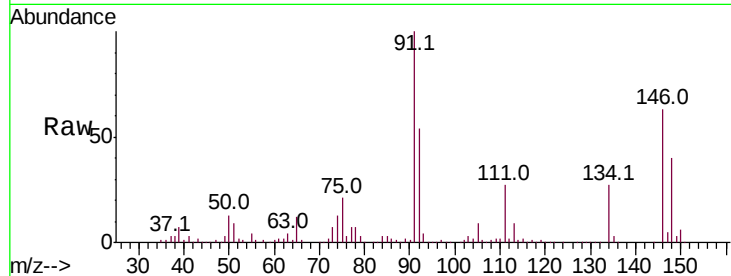




#87
 1,2-Dichlorobenzene
 Concen: 18.644 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

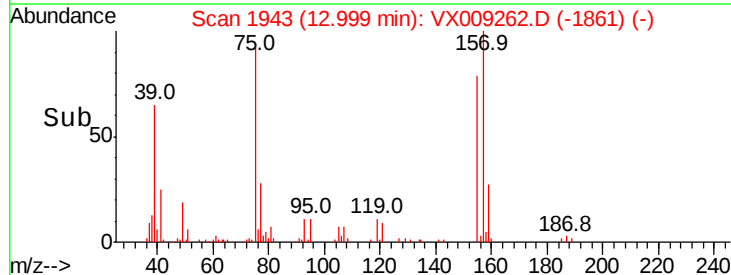
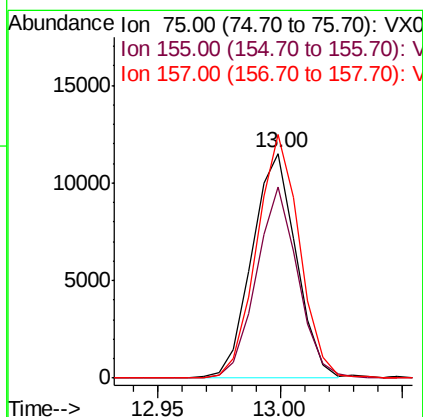
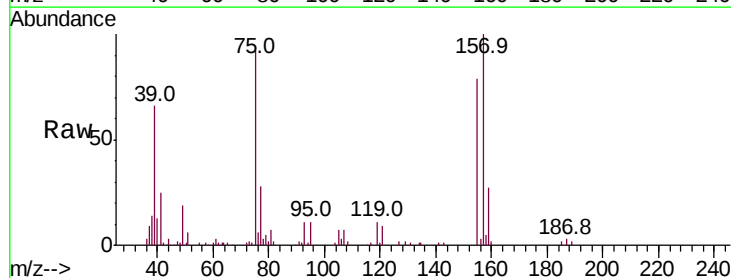
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

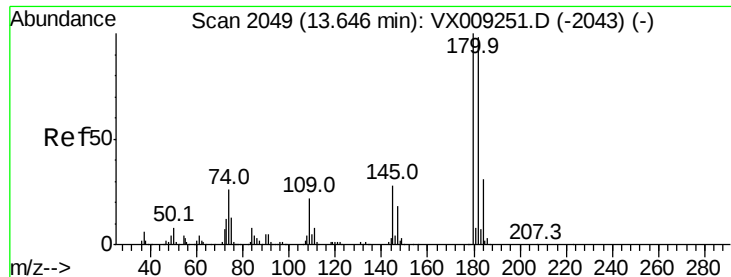
Tot Ion:146 Resp: 75281
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.2
 148 65.0 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.784 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion: 75 Resp: 14533
 Ion Ratio Lower Upper
 75 100
 155 79.9 65.9 98.9
 157 105.0 85.2 127.8

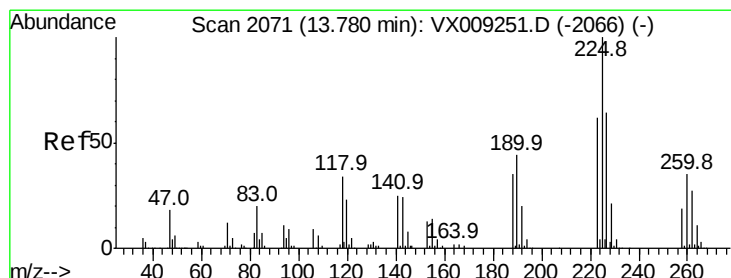
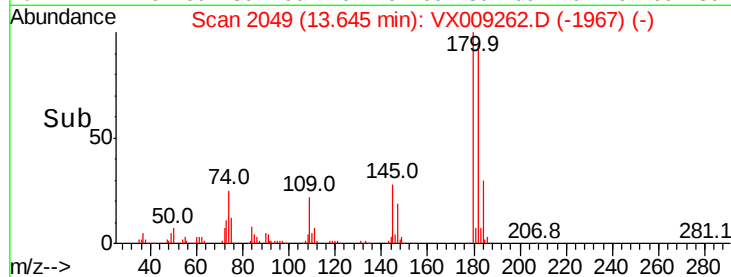
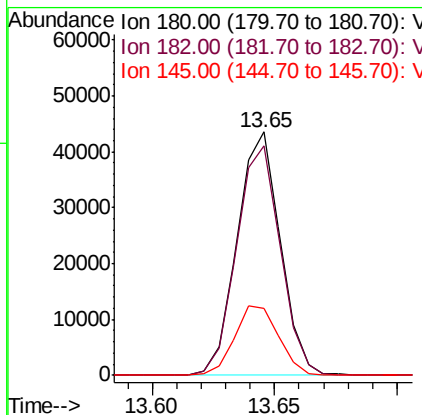
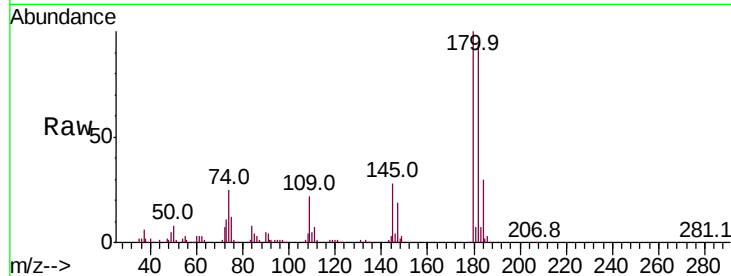




#89
 1,2,4-Trichlorobenzene
 Concen: 18.517 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

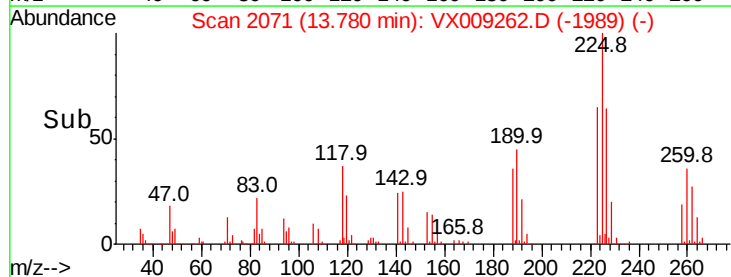
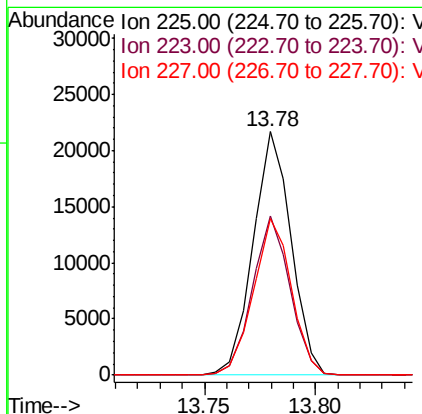
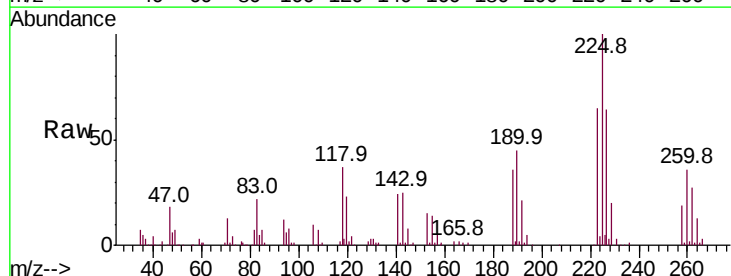
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

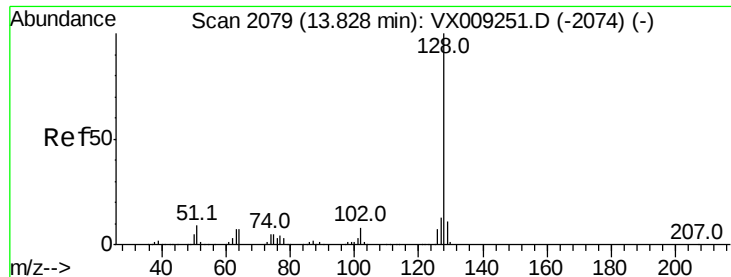
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	29.4	23.0	34.6



#90
 Hexachlorobutadiene
 Concen: 17.948 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	0.0	126.6
227	64.4	0.0	130.0





#91

Naphthalene

Concen: 19.533 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

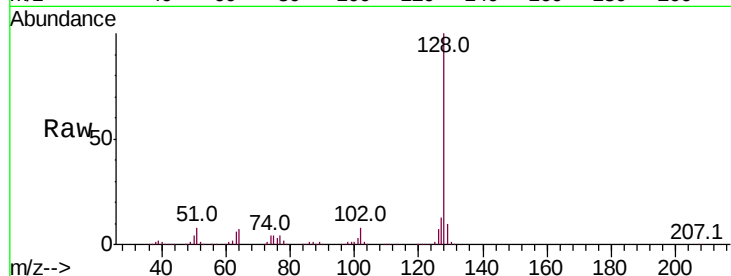
Tot Ion:128 Resp: 184061

Ion Ratio Lower Upper

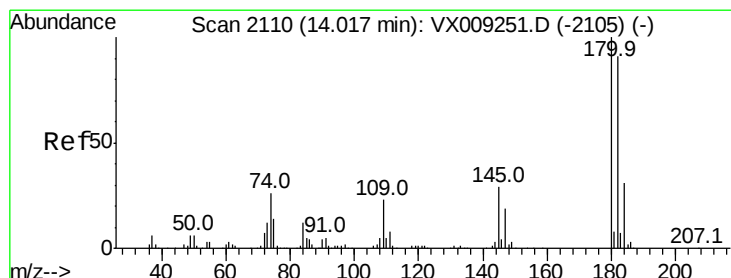
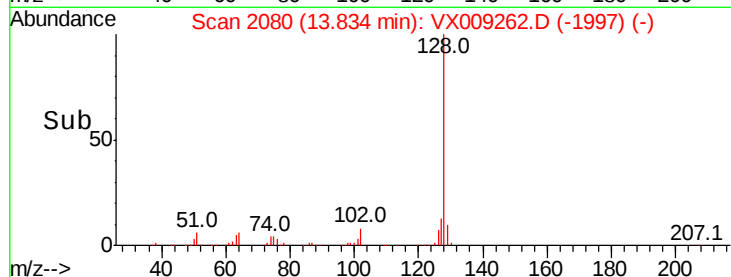
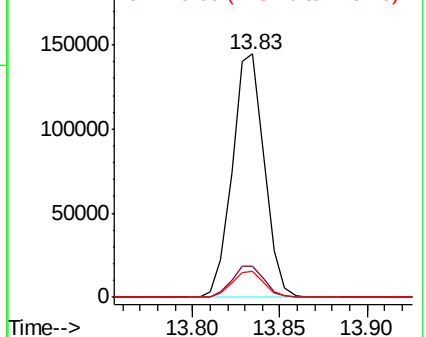
128 100

127 13.1 10.5 15.7

129 10.6 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: 18.983 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

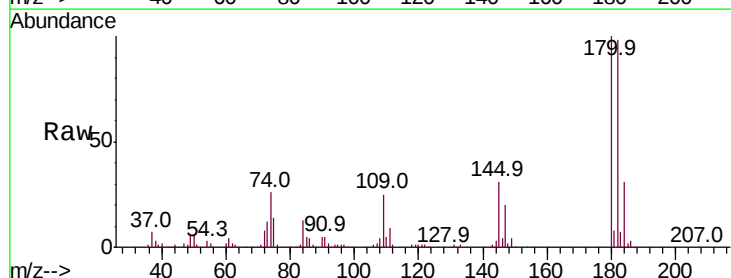
Tgt Ion:180 Resp: 55534

Ion Ratio Lower Upper

180 100

182 95.5 0.0 189.0

145 30.9 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

