

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009261.D
 Acq On : 01 May 2019 18:01
 Operator : JC/SP
 Sample : VX0501WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Quant Time: May 02 06:52:27 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	31398	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	179919	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	157753	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75406	28.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.50%
60) 4-Bromofluorobenzene	11.13	95	80297	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.71	98	228381	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33203	19.901	ug/l 98
3) Chloromethane	1.32	50	45877	20.458	ug/l 99
4) Vinyl Chloride	1.41	62	44794	20.022	ug/l 98
5) Bromomethane	1.64	94	26179	18.460	ug/l 99
6) Chloroethane	1.72	64	27743	18.909	ug/l 98
7) Trichlorofluoromethane	1.93	101	55114	19.951	ug/l 98
8) Diethyl Ether	2.19	74	25391	19.794	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33877	19.807	ug/l 99
10) 1,1-Dichloroethene	2.37	96	33774	19.666	ug/l 97
11) Methyl Iodide	2.51	142	35479	19.004	ug/l 98
12) Methyl Acetate	2.77	43	63656	19.679	ug/l 97
13) Acrolein	2.29	56	35236	79.421	ug/l 99
14) Acrylonitrile	3.14	53	139730	99.536	ug/l 100
15) Acetone	2.45	58	37912	94.062	ug/l 94
16) Carbon Disulfide	2.57	76	90816	19.545	ug/l 100
17) Allyl chloride	2.73	41	79882	19.375	ug/l 99
18) Methylene Chloride	2.85	84	41011	19.759	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	36560	19.966	ug/l 96
20) Diisopropyl ether	3.85	45	161984	19.951	ug/l 99
21) 1,1-Dichloroethane	3.70	63	76739	19.530	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	43721	19.823	ug/l 98
23) tert-Butyl Alcohol	3.05	59	59208	99.745	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	132421	19.703	ug/l 100
25) Chloroform	5.21	83	70982	19.796	ug/l 93
26) Cyclohexane	5.58	56	72422	19.776	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	51939	19.674	ug/l 97
30) 2-Butanone	4.67	43	208828	101.005	ug/l 100
31) 2,2-Dichloropropane	4.58	77	57230	19.664	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	57752	20.179	ug/l 98
33) Carbon Tetrachloride	5.78	117	48239	20.145	ug/l 96
34) Benzene	6.14	78	165528	20.337	ug/l 97
35) Methacrylonitrile	5.04	41	44620	20.628	ug/l 95
36) 1,2-Dichloroethane	6.19	62	60737	20.566	ug/l 100
37) Trichloroethene	7.21	130	38692	19.748	ug/l 92
38) Methylcyclohexane	7.46	83	65468	20.072	ug/l 99
39) 1,2-Dichloropropane	7.51	63	47408	20.454	ug/l 99
40) Dibromomethane	7.66	93	26847	20.408	ug/l 99

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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	53419	19.880	ug/l	98
42) Vinyl Acetate	3.81	43	701705	102.833	ug/l	100
43) Ethyl Acetate	4.83	43	76000	20.343	ug/l	99
44) Isopropyl Acetate	6.45	43	121011	19.994	ug/l	99
45) 1,4-Dioxane	7.74	88	24596	413.932	ug/l	98
46) Methyl methacrylate	7.77	41	59736	19.775	ug/l	96
47) n-amyl Acetate	10.90	43	108589	19.917	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	61177	19.513	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	67946	19.741	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	40313	20.002	ug/l	97
51) Ethyl methacrylate	9.18	69	74202	19.923	ug/l	97
52) 1,3-Dichloropropane	9.37	76	73494	20.547	ug/l	100
53) Dibromochloromethane	9.58	129	39502	19.680	ug/l	99
54) 1,2-Dibromoethane	9.67	107	41300	19.980	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	199519	100.531	ug/l	100
56) Bromoform	10.85	173	28952	18.790	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	400883	103.348	ug/l	100
59) 2-Hexanone	9.49	43	311900	102.516	ug/l	99
61) Tetrachloroethene	9.34	164	36307	20.877	ug/l	96
62) Toluene	8.78	91	175069	20.768	ug/l	99
64) Chlorobenzene	10.14	112	103649	20.431	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37617	20.251	ug/l	100
66) Ethyl Benzene	10.25	91	192014	20.447	ug/l	99
67) m/p-Xylenes	10.36	106	142019	41.421	ug/l	98
68) o-Xylene	10.69	106	68618	20.353	ug/l	100
69) Styrene	10.71	104	120592	20.376	ug/l	99
70) Isopropylbenzene	11.02	105	186642	20.585	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	68116	20.514	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	80213	28.032	ug/l	83
73) Bromobenzene	11.26	156	44927	20.055	ug/l	99
74) n-propylbenzene	11.36	91	213810	20.350	ug/l	100
75) 2-Chlorotoluene	11.42	91	128142	20.334	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	156892	20.428	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	21173	18.344	ug/l	95
78) 4-Chlorotoluene	11.51	91	143451	20.042	ug/l	99
79) tert-butylbenzene	11.77	119	152028	20.476	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	157994	20.525	ug/l	99
81) sec-Butylbenzene	11.94	105	179743	20.377	ug/l	100
82) p-Isopropyltoluene	12.06	119	164202	20.464	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	79744	19.933	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	79849	20.033	ug/l	99
85) n-Butylbenzene	12.38	91	144268	19.649	ug/l	100
86) Hexachloroethane	12.59	117	26602	19.483	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	81076	20.132	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15601	20.219	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	57853	20.156	ug/l	99
90) Hexachlorobutadiene	13.78	225	28779	20.072	ug/l	99
91) Naphthalene	13.83	128	195606	20.814	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	61065	20.929	ug/l	99

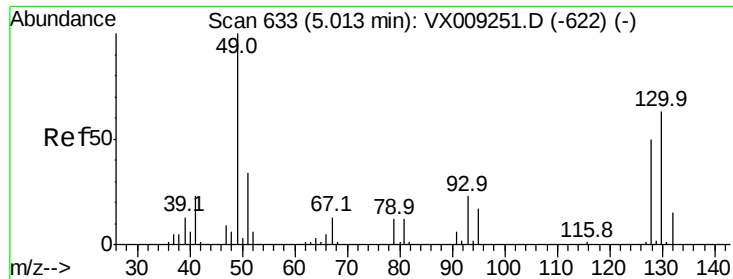
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

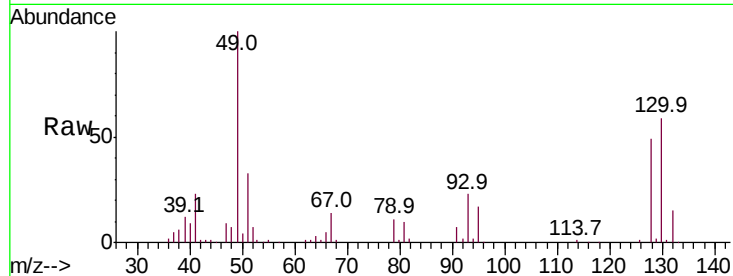
Tot Ion:128 Resp: 31398

Ion Ratio Lower Upper

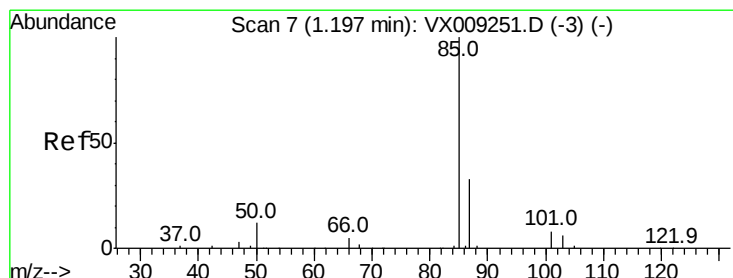
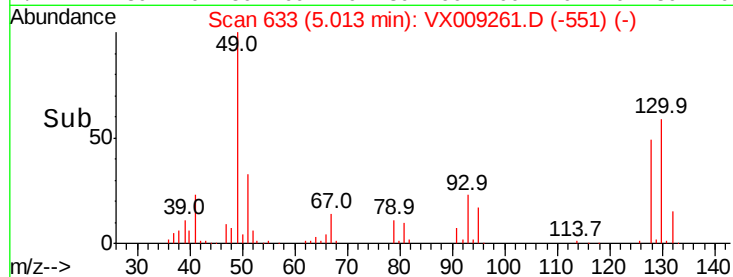
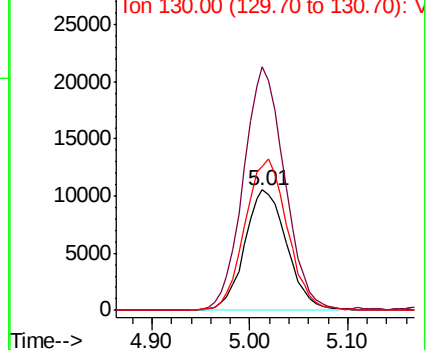
128 100

49 199.4 0.0 515.0

130 127.1 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: 19.901 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009261.D

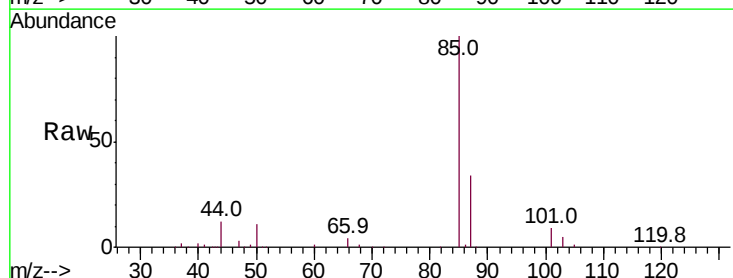
Acq: 01 May 2019 18:01

Tgt Ion: 85 Resp: 33203

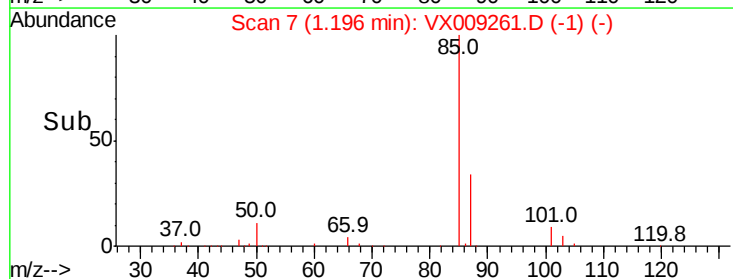
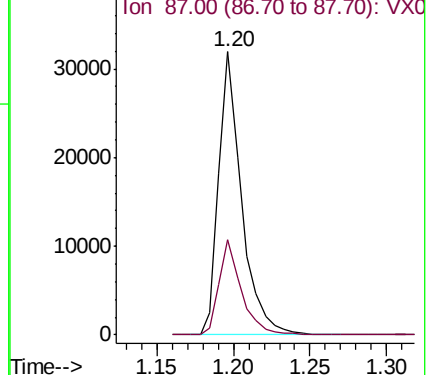
Ion Ratio Lower Upper

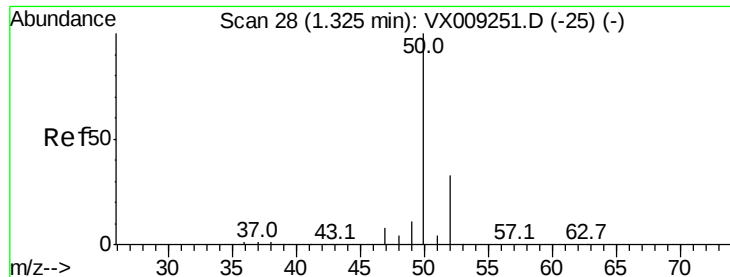
85 100

87 33.8 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: 20.458 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

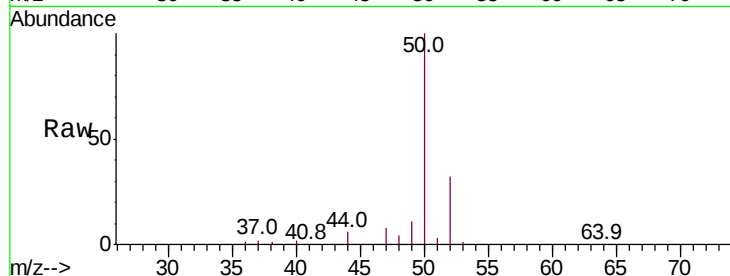
VX0501WBS01

Tot Ion: 50 Resp: 45877

Ion Ratio Lower Upper

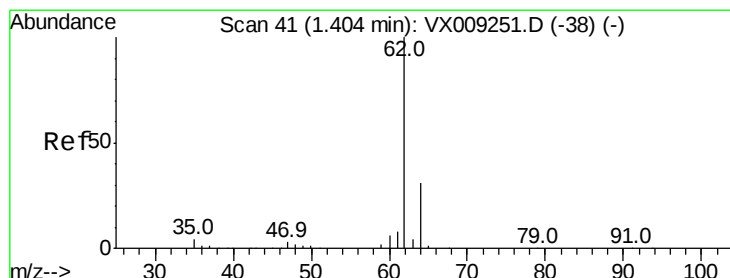
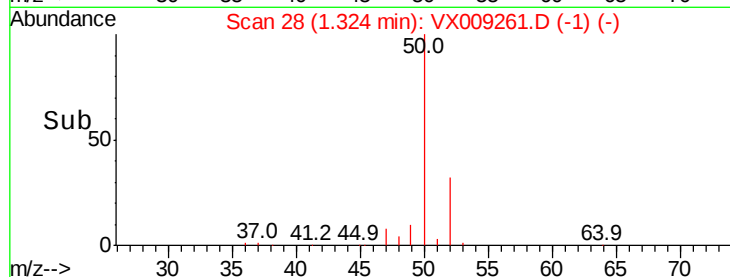
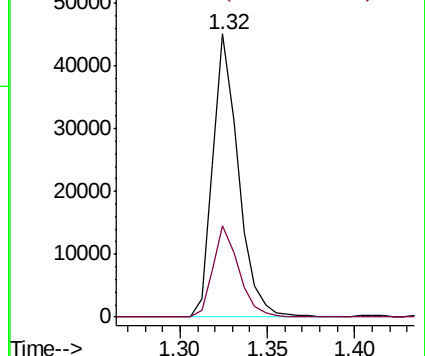
50 100

52 32.2 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009261.D

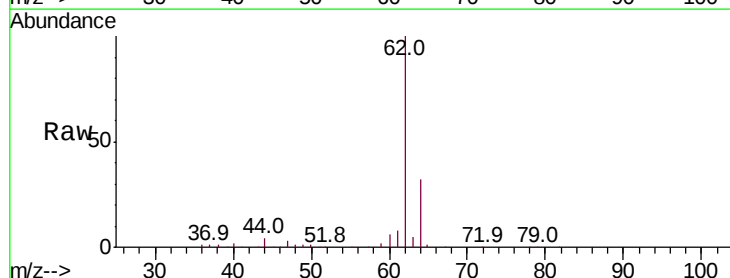
Acq: 01 May 2019 18:01

Tgt Ion: 62 Resp: 44794

Ion Ratio Lower Upper

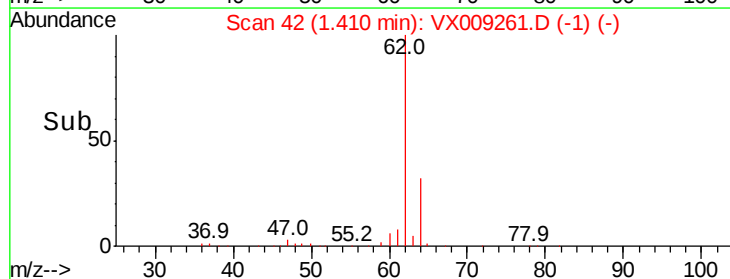
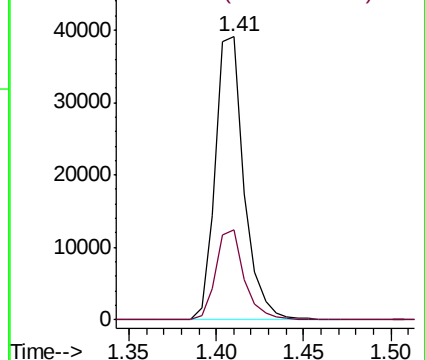
62 100

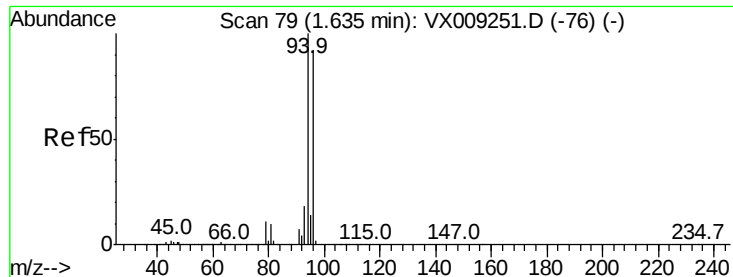
64 31.9 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.460 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

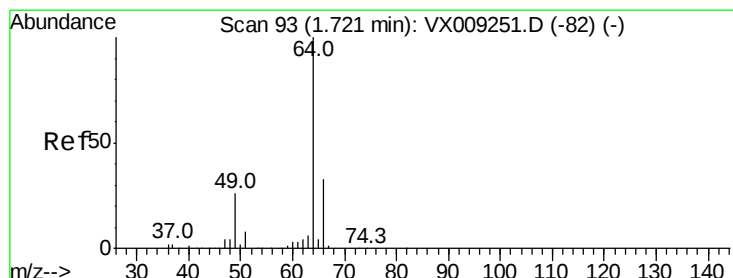
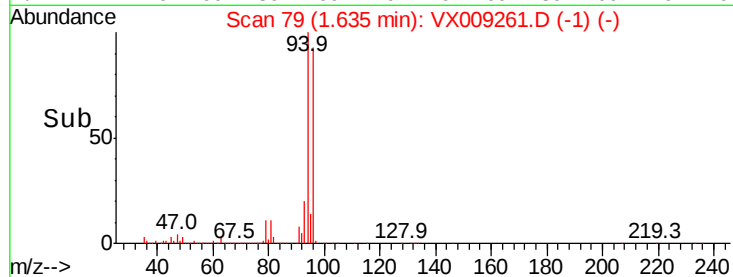
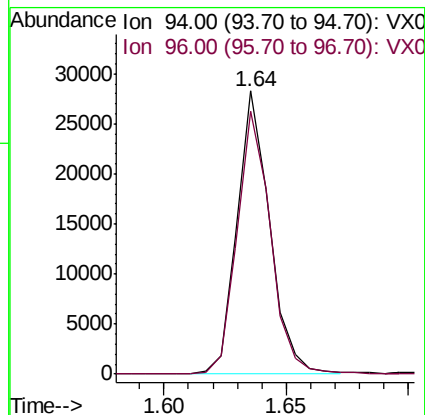
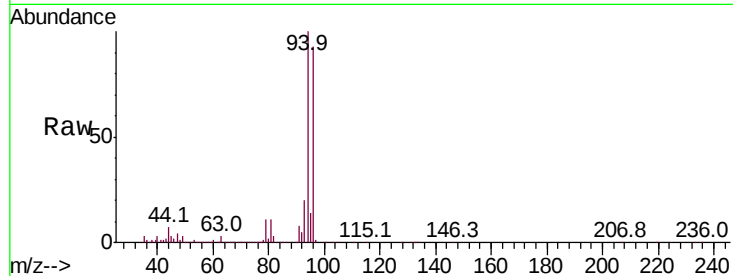
VX0501WBS01

Tot Ion: 94 Resp: 26179

Ion Ratio Lower Upper

94 100

96 92.6 73.5 110.3



#6

Chloroethane

Concen: 18.909 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009261.D

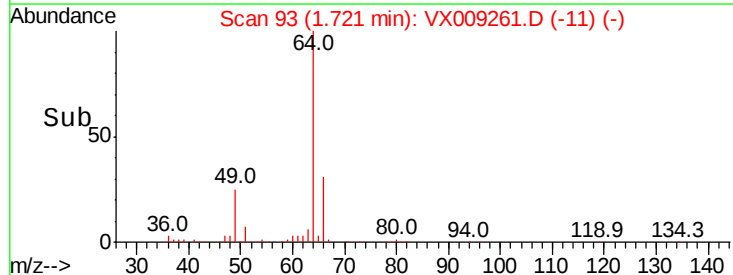
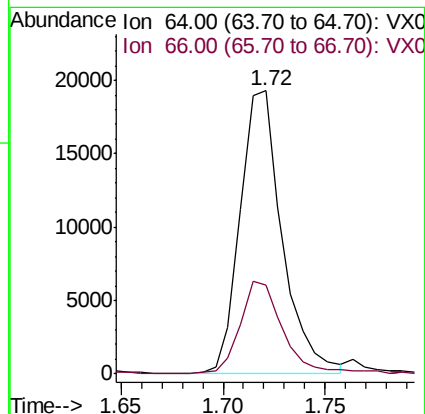
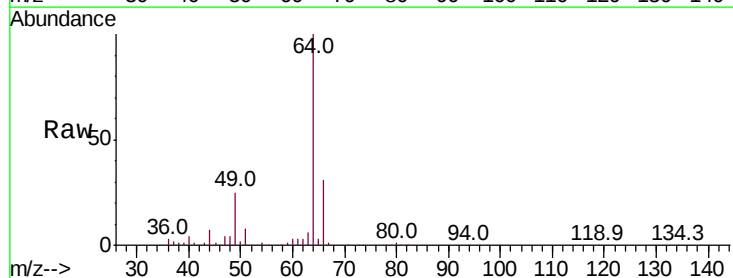
Acq: 01 May 2019 18:01

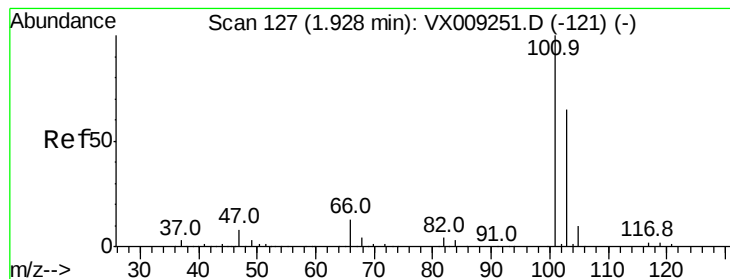
Tgt Ion: 64 Resp: 27743

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9



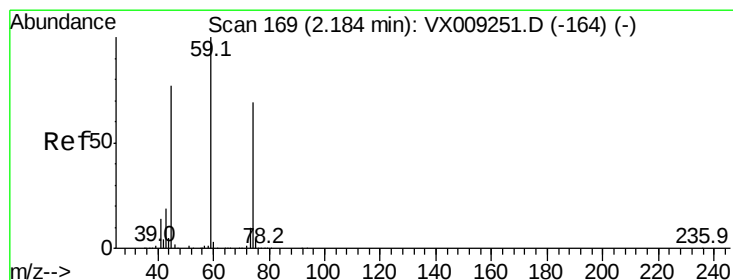
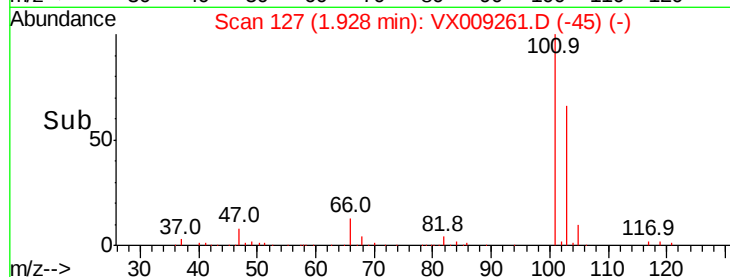
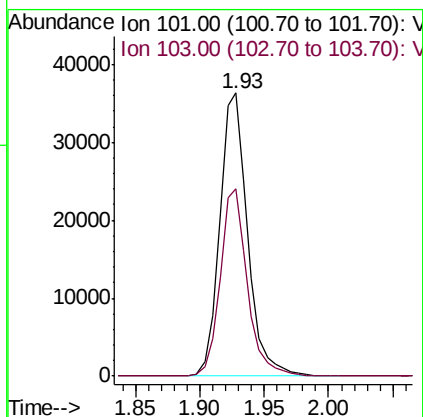
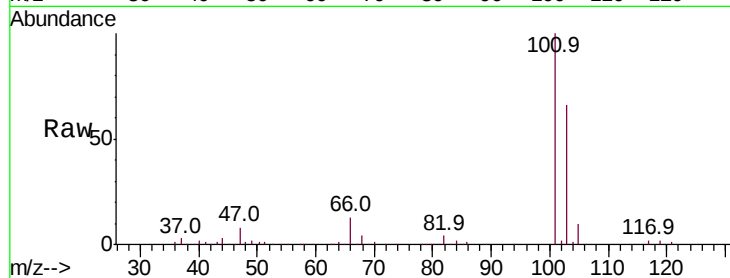


#7

Trichlorofluoromethane
 Concen: 19.951 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
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 VX0501WBS01

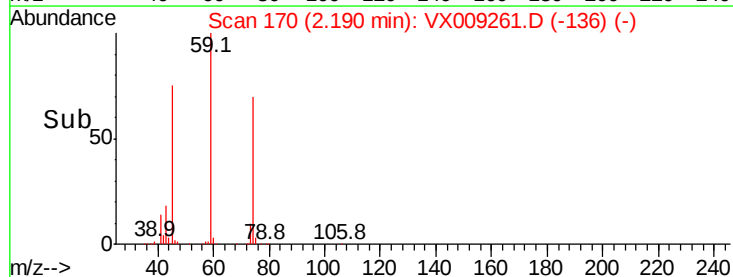
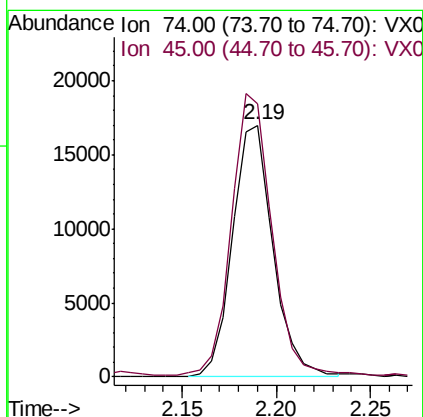
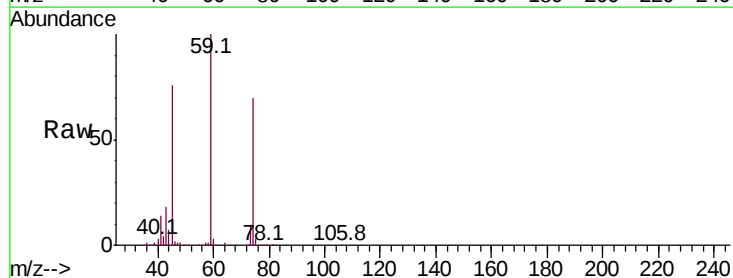
Tot Ion:101 Resp: 55114
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.9 77.9

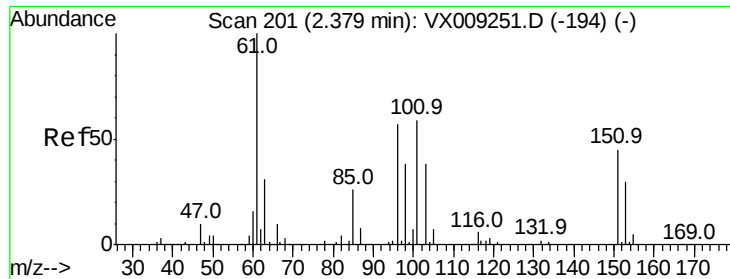


#8

Diethyl Ether
 Concen: 19.794 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion: 74 Resp: 25391
 Ion Ratio Lower Upper
 74 100
 45 111.6 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.807 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

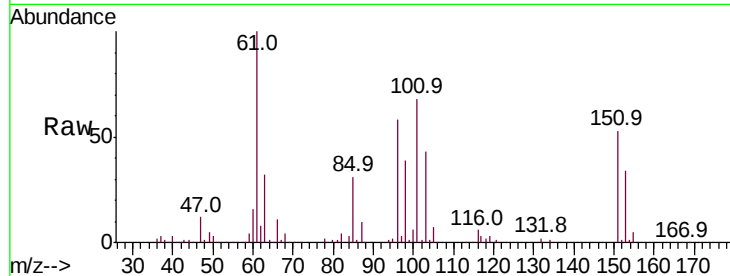
Tot Ion:101 Resp: 33877

Ion Ratio Lower Upper

101 100

85 45.0 0.0 87.4

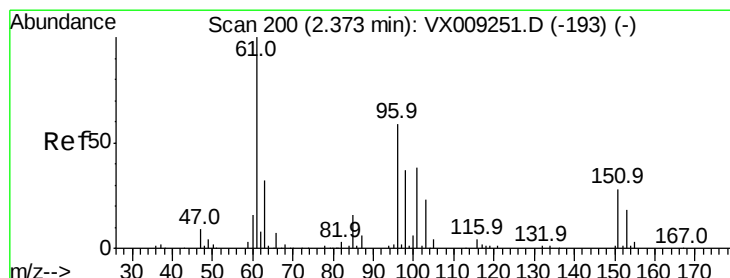
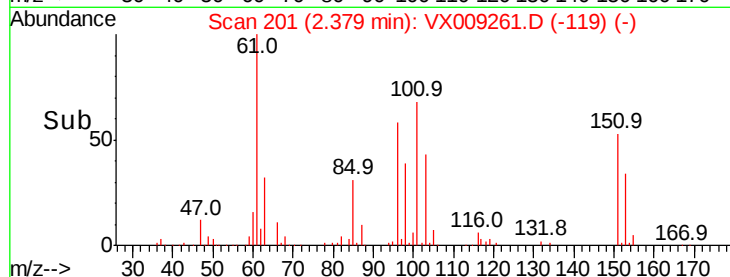
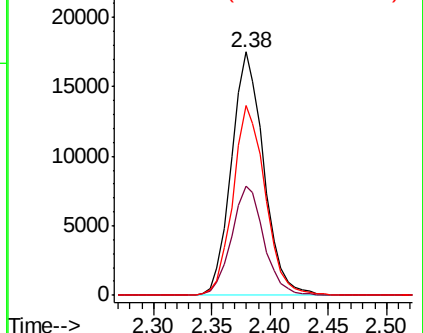
151 77.9 0.0 157.0



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: 19.666 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

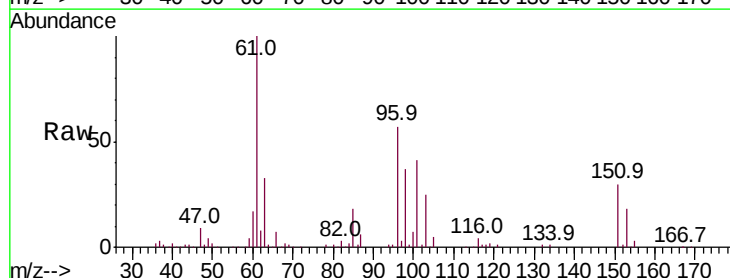
Tgt Ion: 96 Resp: 33774

Ion Ratio Lower Upper

96 100

61 175.3 136.5 204.7

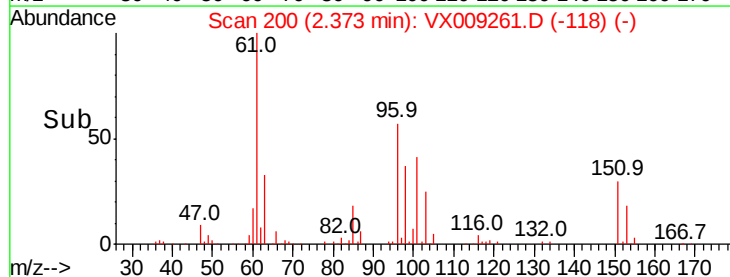
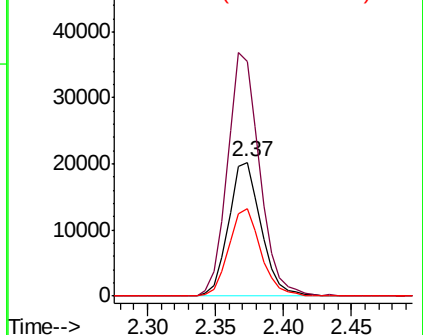
98 65.7 51.0 76.4

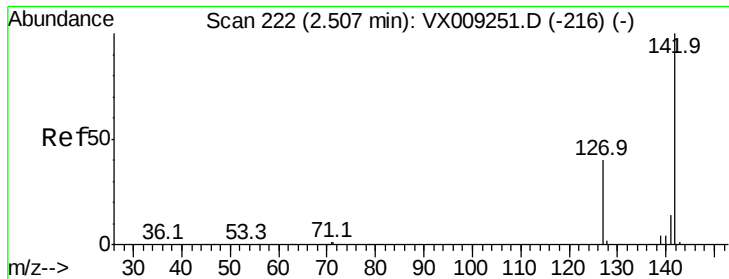


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

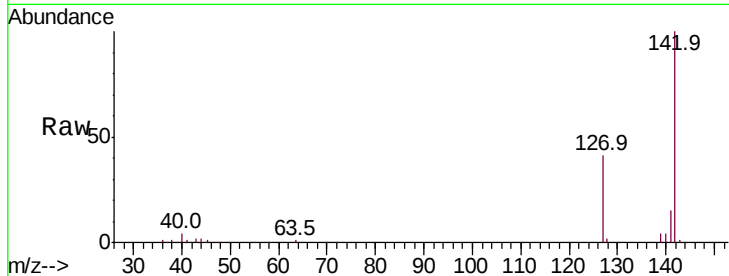




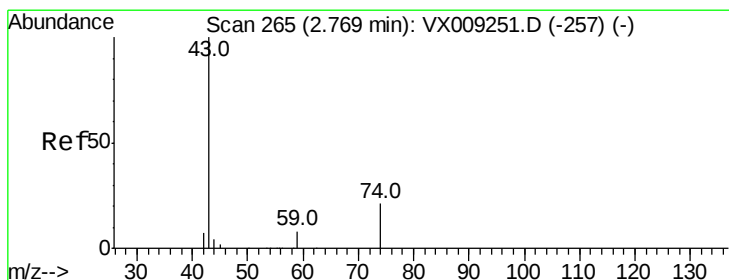
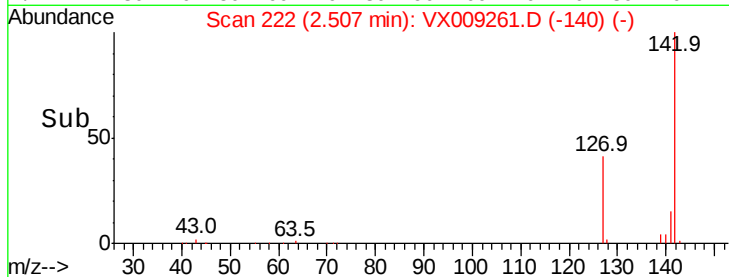
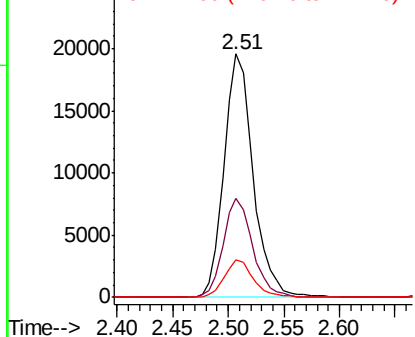
#11
Methvl Iodide
Concen: 19.004 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

Tot Ion:142 Resp: 35479
Ion Ratio Lower Upper
142 100
127 40.7 20.2 60.5
141 15.5 6.9 20.7

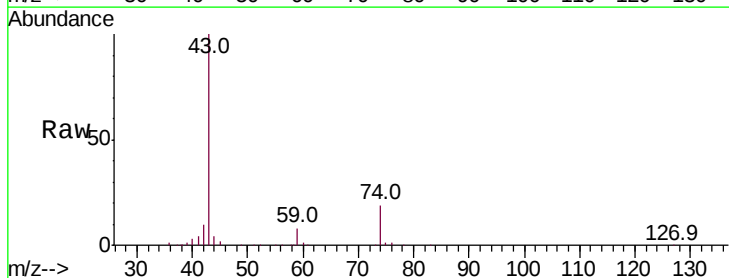


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

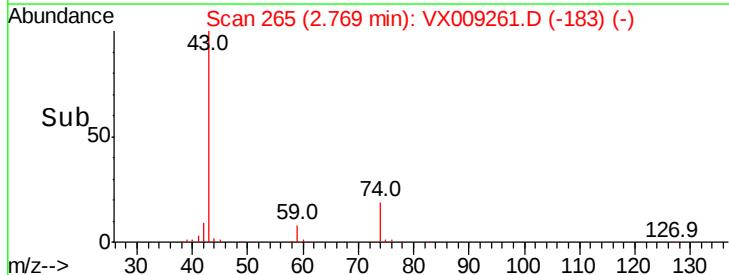
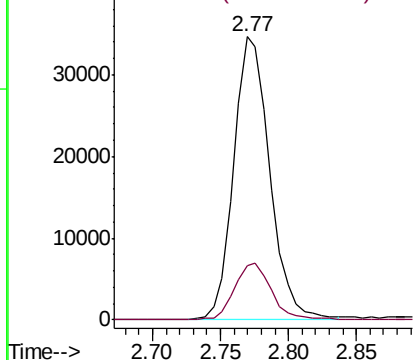


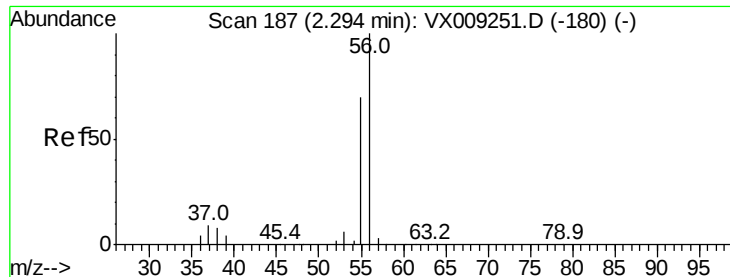
#12
Methyl Acetate
Concen: 19.679 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 43 Resp: 63656
Ion Ratio Lower Upper
43 100
74 19.1 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 79.421 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

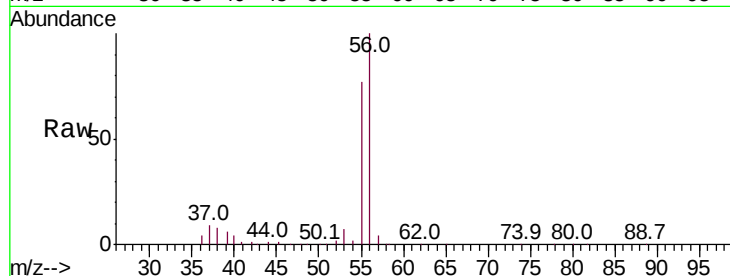
VX0501WBS01

Tot Ion: 56 Resp: 35236

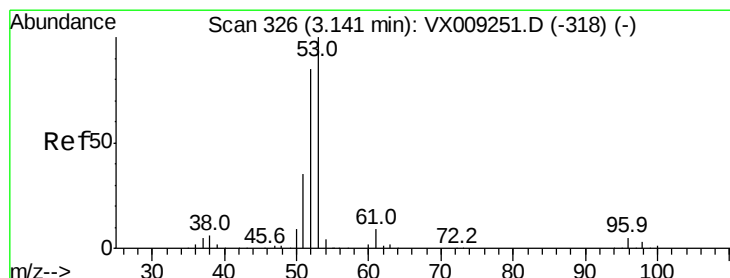
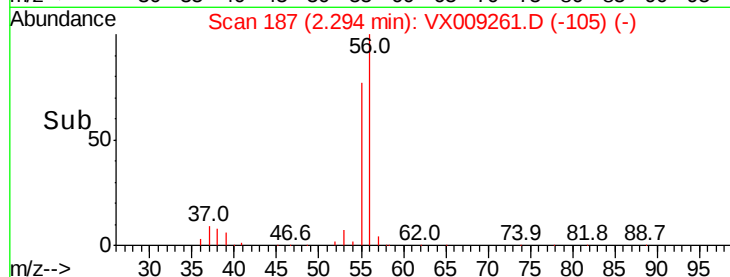
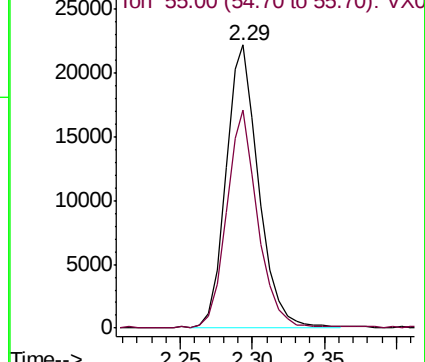
Ion Ratio Lower Upper

56 100

55 72.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0



#14

Acrylonitrile

Concen: 99.536 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

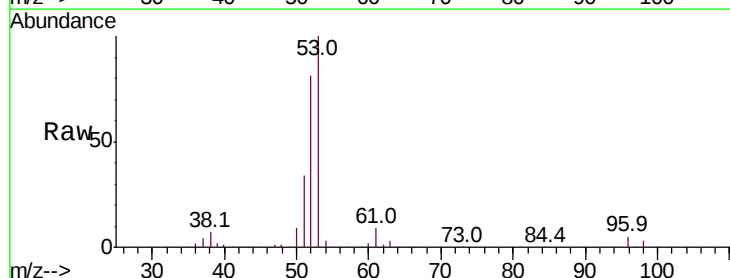
Tgt Ion: 53 Resp: 139730

Ion Ratio Lower Upper

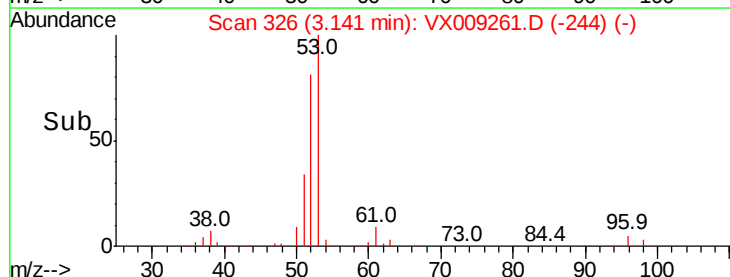
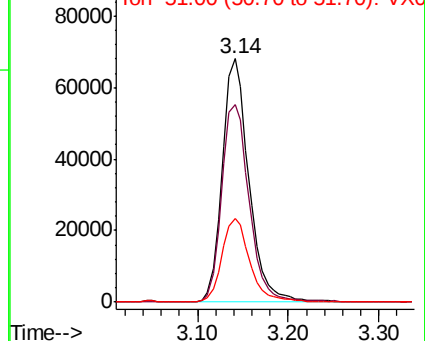
53 100

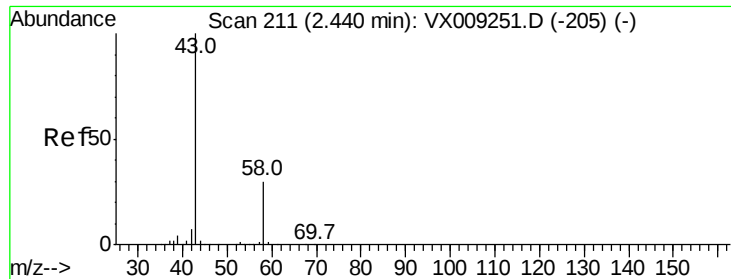
52 83.2 41.5 124.5

51 35.8 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0





#15

Acetone

Concen: 94.062 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

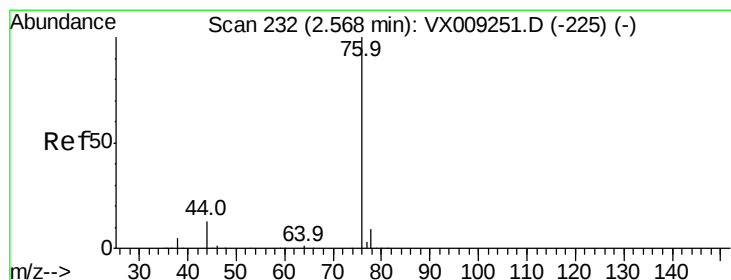
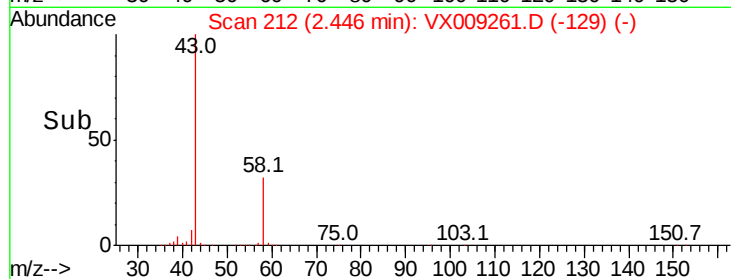
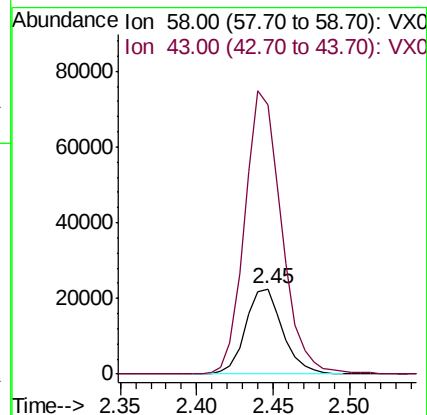
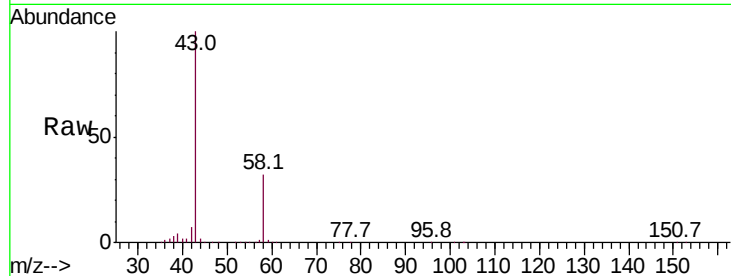
VX0501WBS01

Tot Ion: 58 Resp: 37912

Ion Ratio Lower Upper

58 100

43 316.7 264.0 396.0



#16

Carbon Disulfide

Concen: 19.545 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009261.D

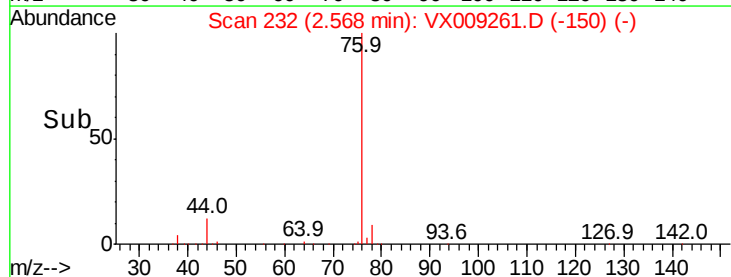
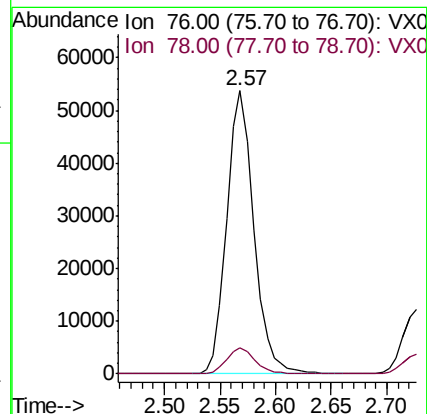
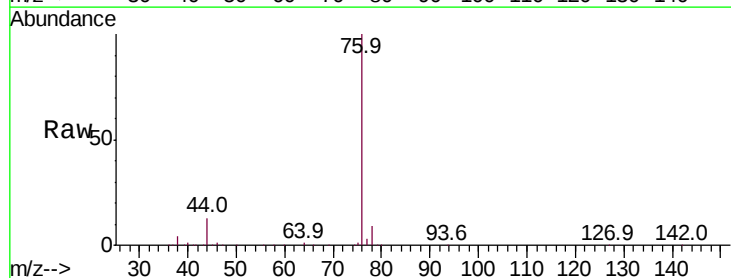
Acq: 01 May 2019 18:01

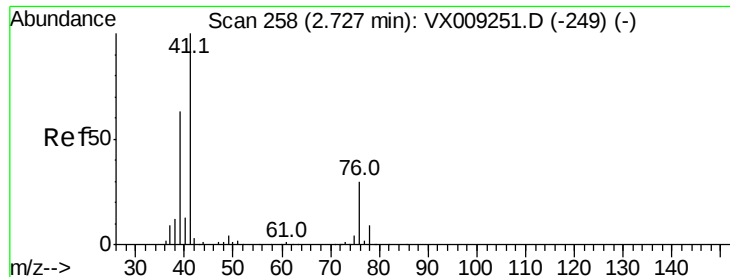
Tgt Ion: 76 Resp: 90816

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

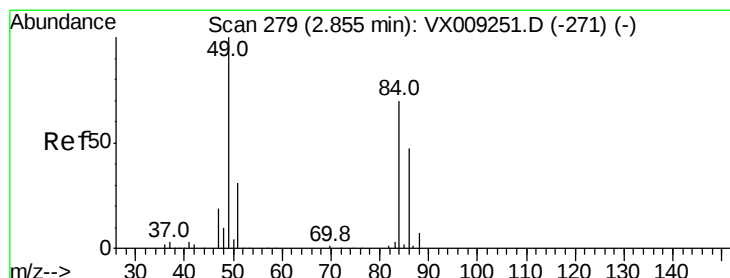
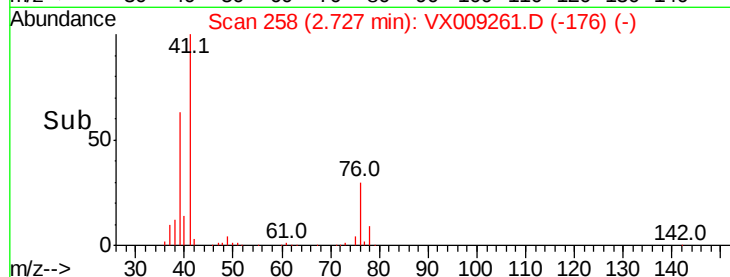
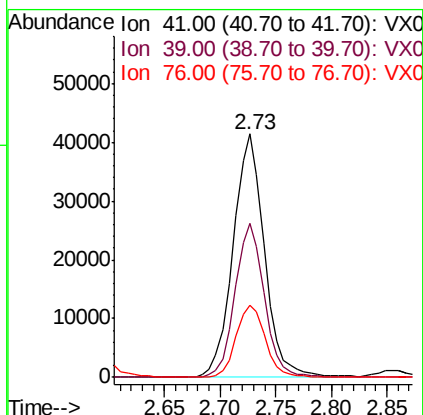
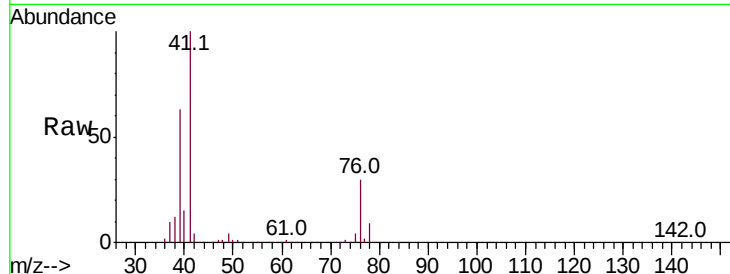




#17
Allvl chloride
Concen: 19.375 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

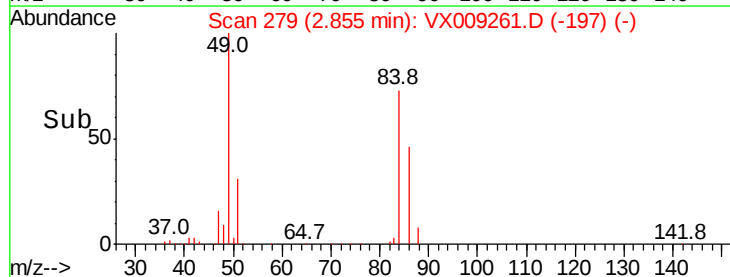
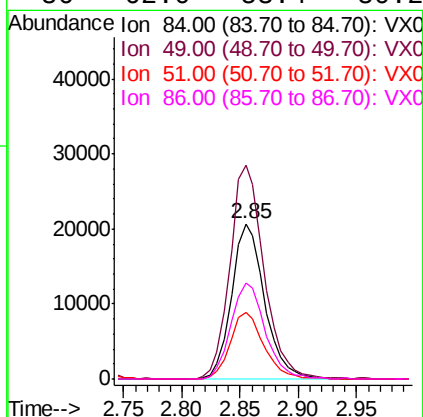
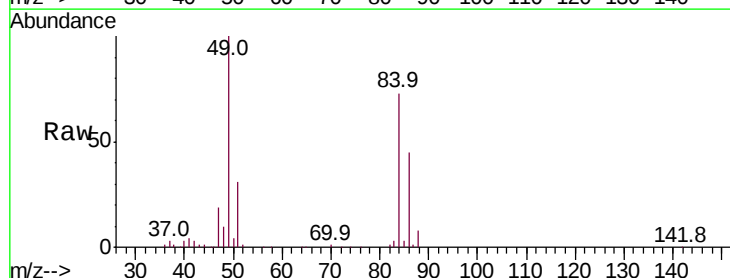
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

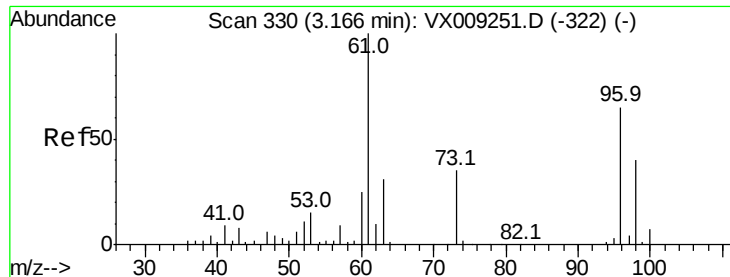
Tot Ion: 41 Resp: 79882
Ion Ratio Lower Upper
41 100
39 63.5 31.6 94.7
76 29.7 15.1 45.3



#18
Methylene Chloride
Concen: 19.759 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 84 Resp: 41011
Ion Ratio Lower Upper
84 100
49 137.4 114.6 171.8
51 42.5 35.5 53.3
86 62.0 53.4 80.2





#19

trans-1,2-Dichloroethene

Concen: 19.966 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

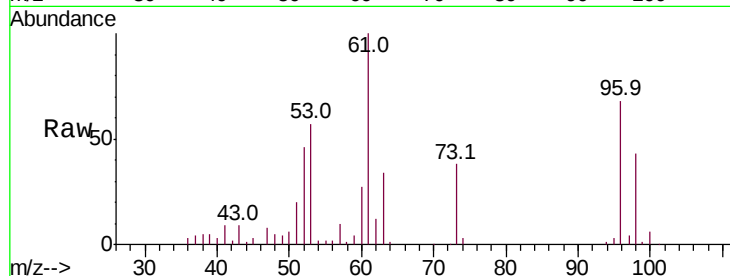
Tot Ion: 96 Resp: 36560

Ion Ratio Lower Upper

96 100

61 147.5 122.7 184.1

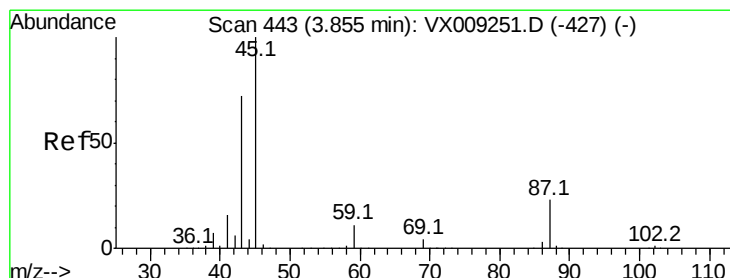
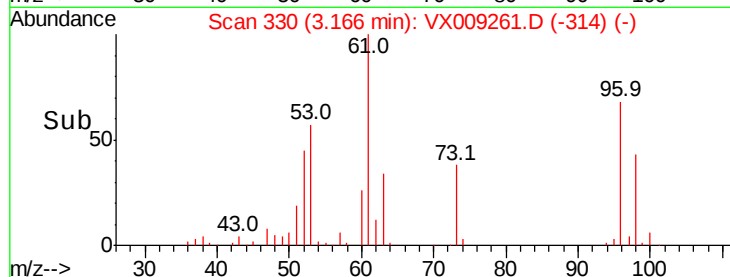
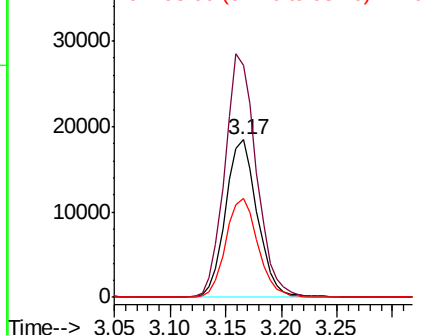
98 63.0 49.5 74.3



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: 19.951 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion: 45 Resp: 161984

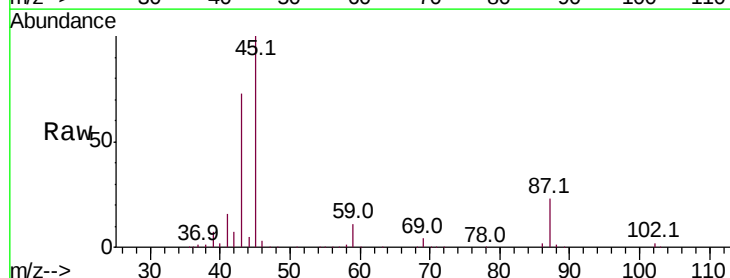
Ion Ratio Lower Upper

45 100

43 72.7 57.7 86.5

87 22.6 18.5 27.7

59 11.0 8.8 13.2

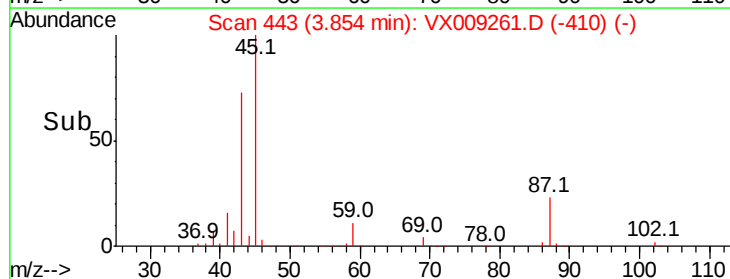
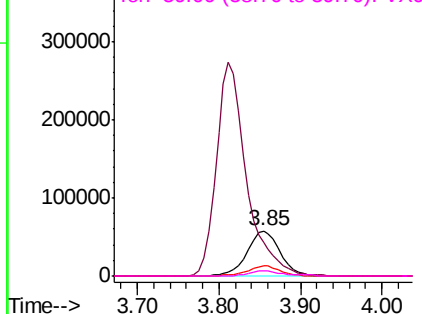


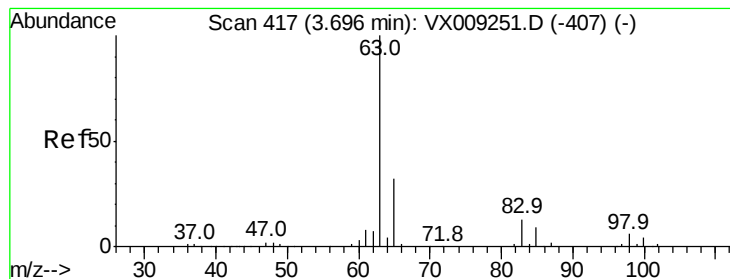
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 19.530 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

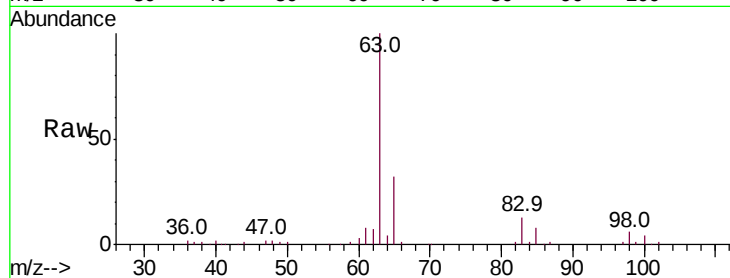
Tot Ion: 63 Resp: 76739

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

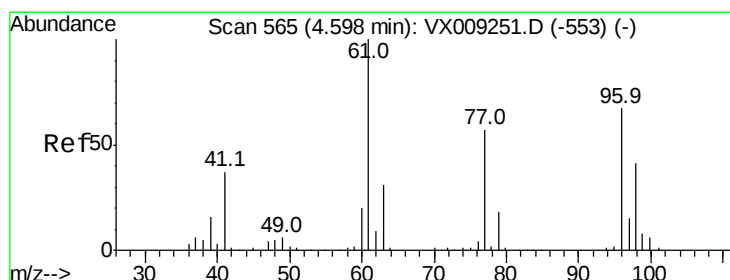
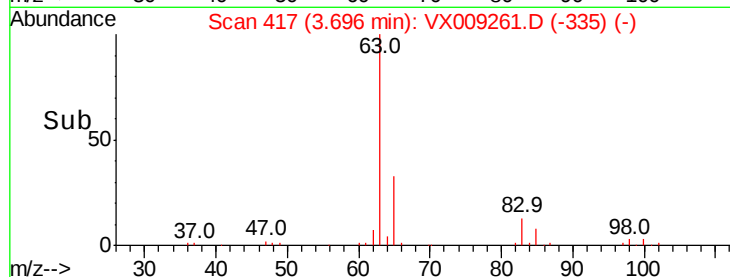
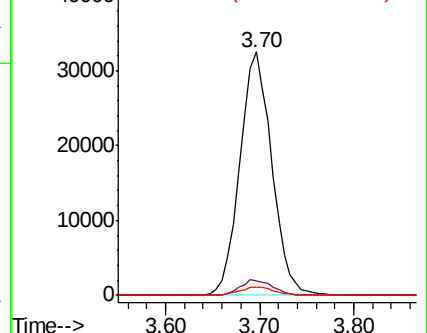
100 3.6 2.2 6.6



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: 19.823 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

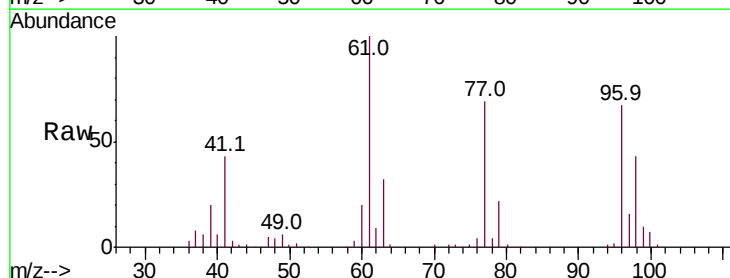
Tgt Ion: 96 Resp: 43721

Ion Ratio Lower Upper

96 100

61 161.9 127.7 191.5

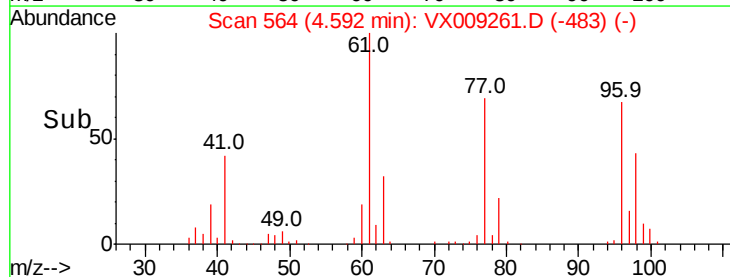
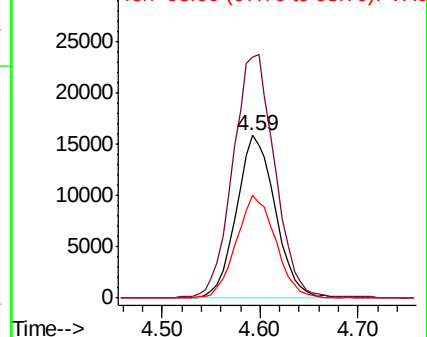
98 64.2 50.5 75.7

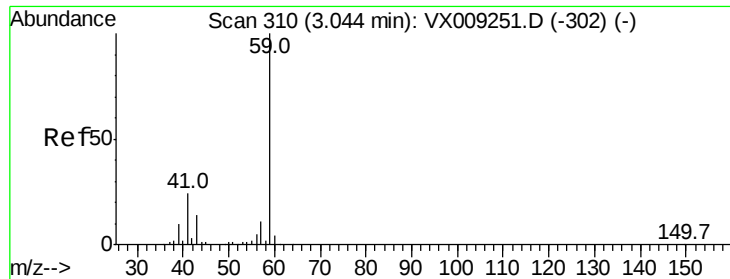


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 99.745 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

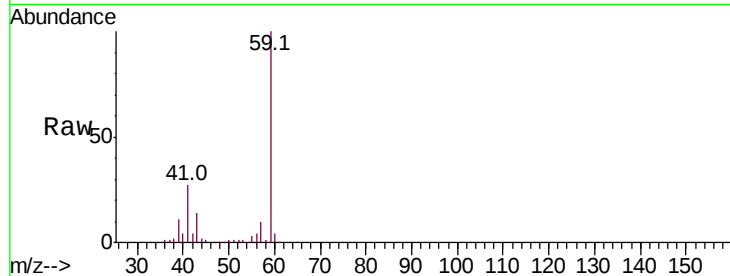
VX0501WBS01

Tot Ion: 59 Resp: 59208

Ion Ratio Lower Upper

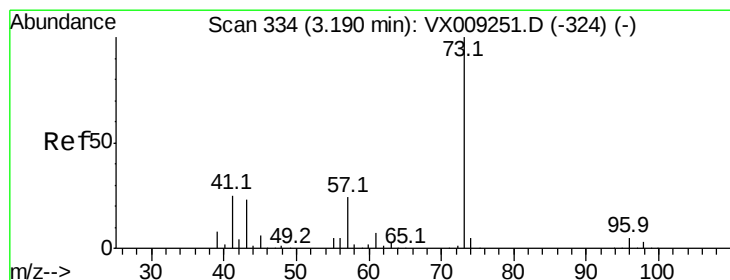
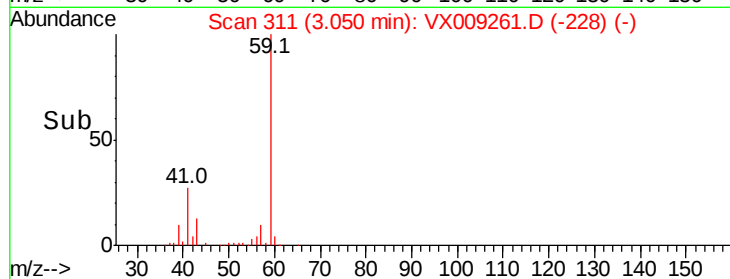
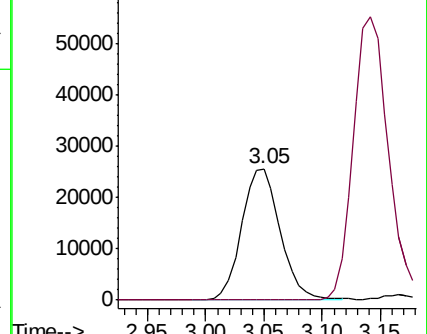
59 100

52 0.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 19.703 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009261.D

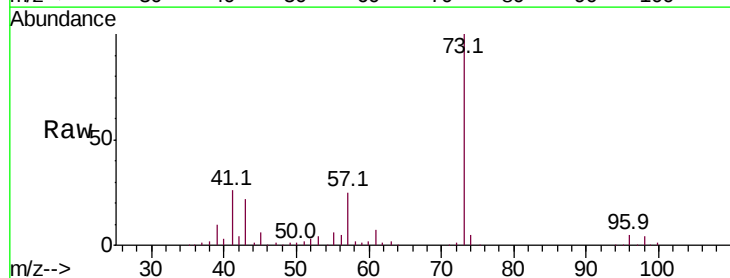
Acq: 01 May 2019 18:01

Tgt Ion: 73 Resp: 132421

Ion Ratio Lower Upper

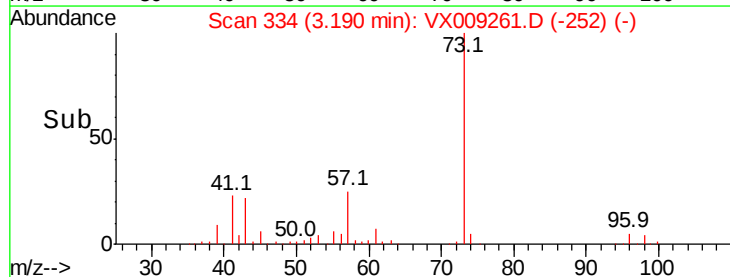
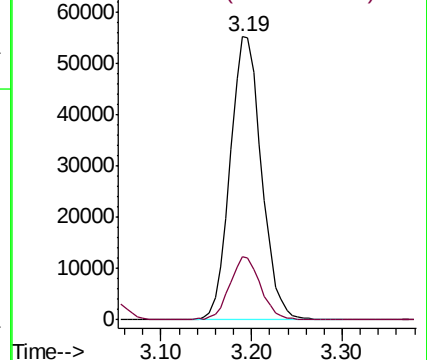
73 100

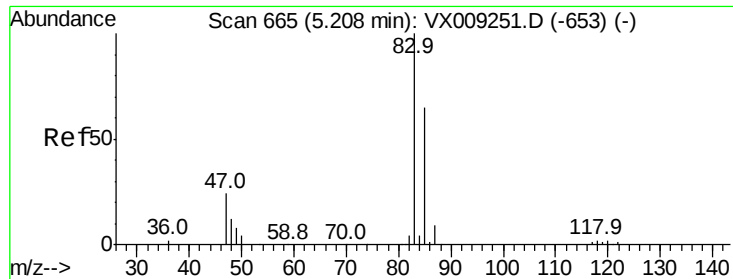
43 22.0 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

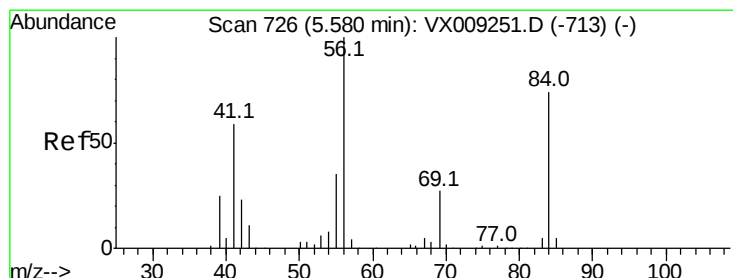
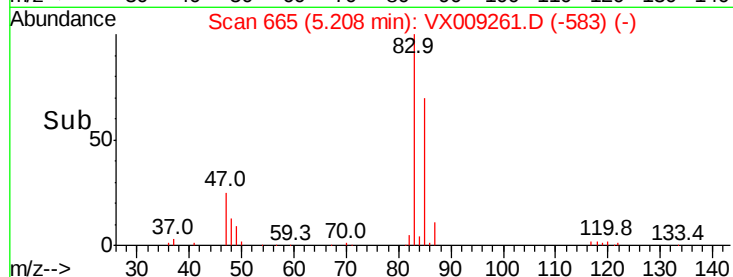
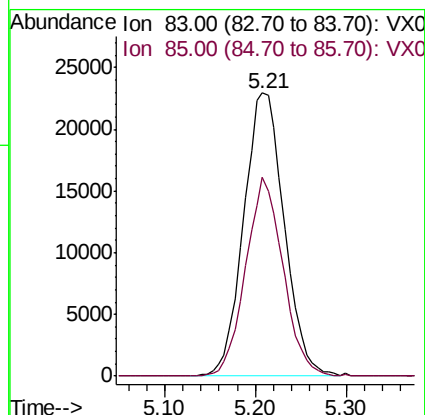
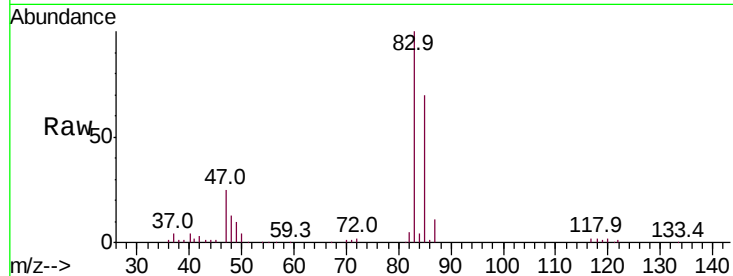




#25
Chloroform
Concen: 19.796 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

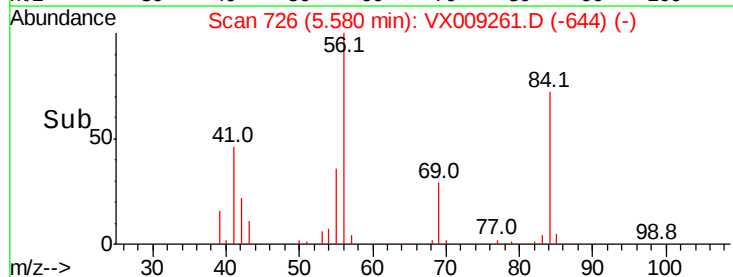
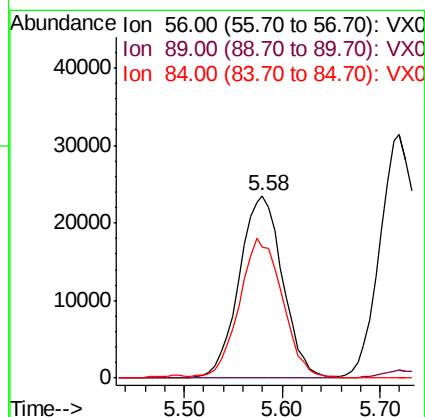
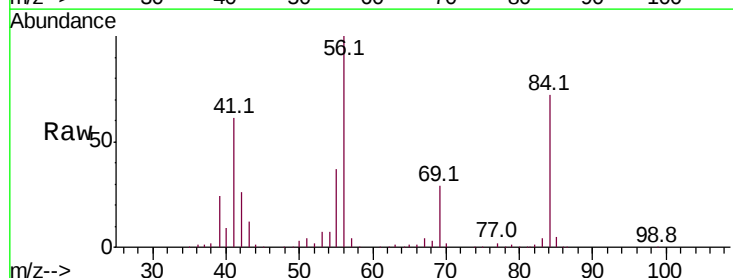
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

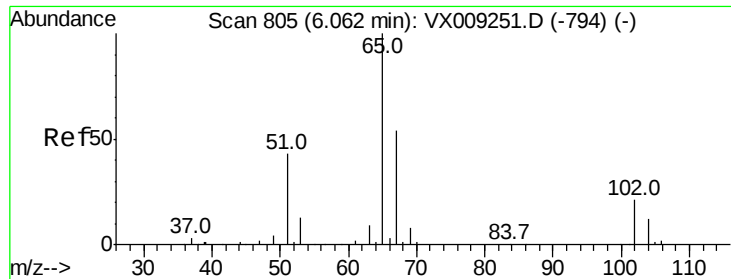
Tot Ion: 83 Resp: 70982
Ion Ratio Lower Upper
83 100
85 70.1 51.9 77.9



#26
Cyclohexane
Concen: 19.776 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 56 Resp: 72422
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.4 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 28.951 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

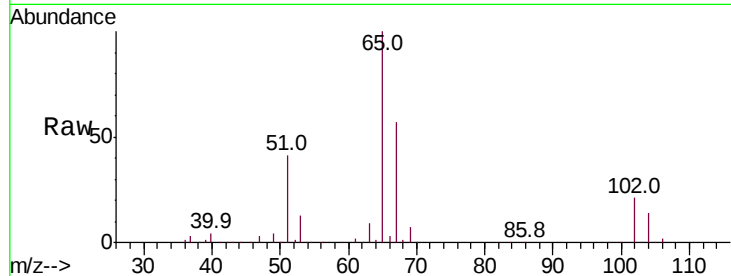
VX0501WBS01

Tot Ion: 65 Resp: 75406

Ion Ratio Lower Upper

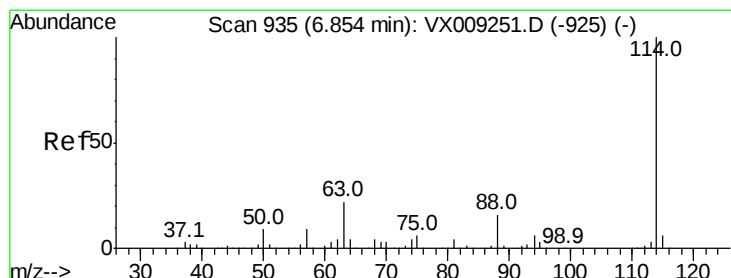
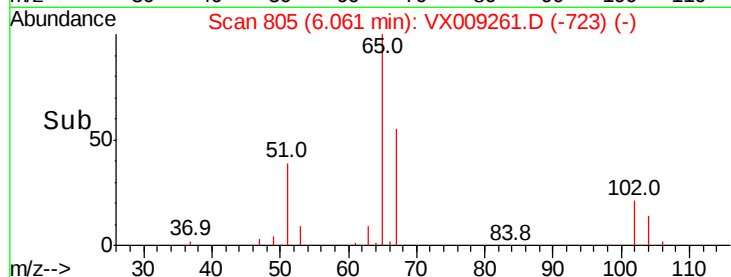
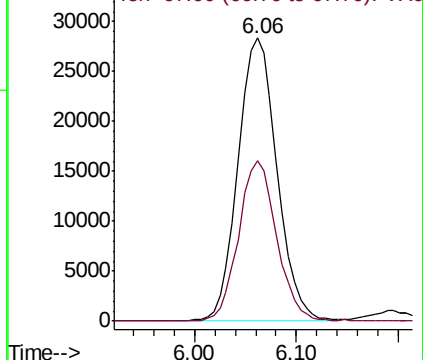
65 100

67 55.1 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

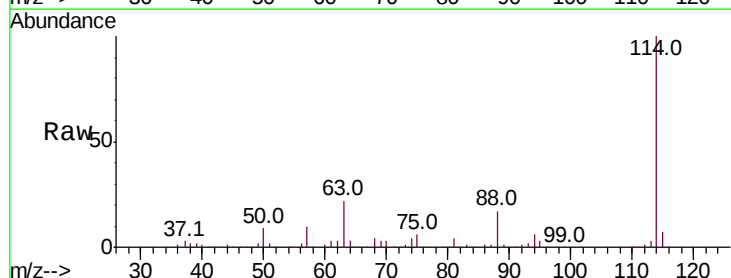
Tgt Ion: 114 Resp: 179919

Ion Ratio Lower Upper

114 100

63 23.2 18.0 27.0

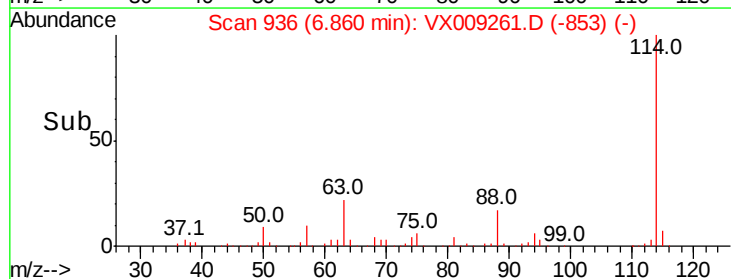
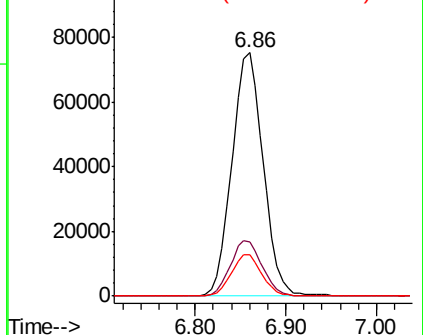
88 16.6 13.4 20.0

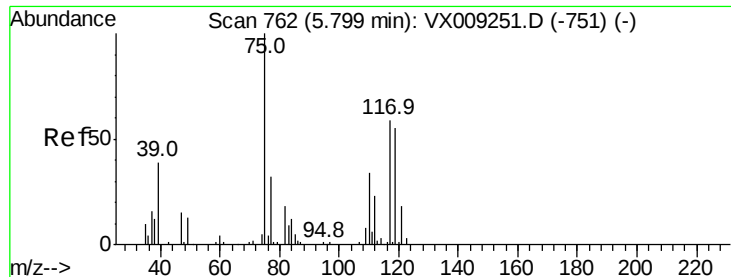


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.674 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

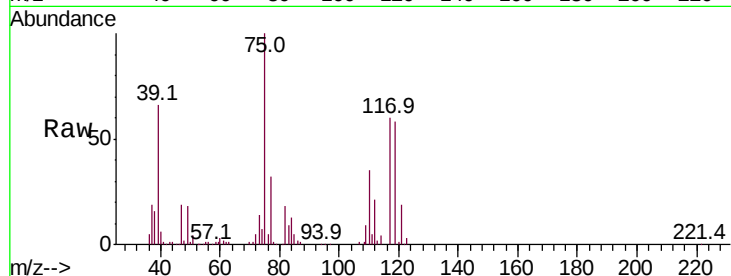
Tot Ion: 75 Resp: 51939

Ion Ratio Lower Upper

75 100

110 35.1 0.0 66.4

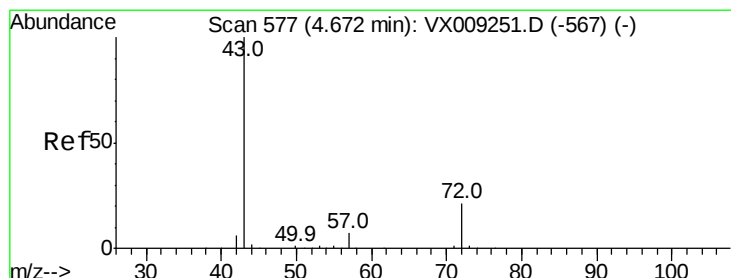
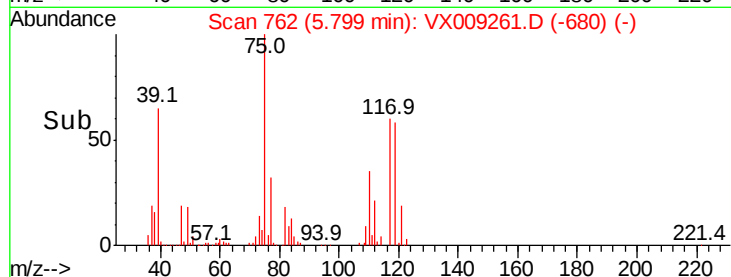
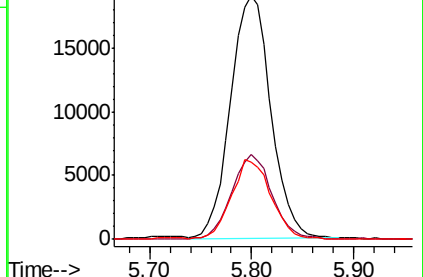
77 32.3 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 101.005 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

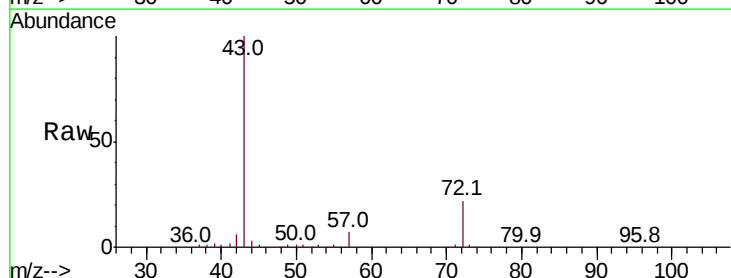
Tgt Ion: 43 Resp: 208828

Ion Ratio Lower Upper

43 100

57 7.6 6.0 9.0

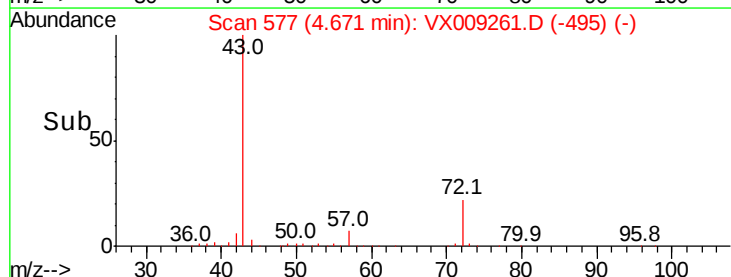
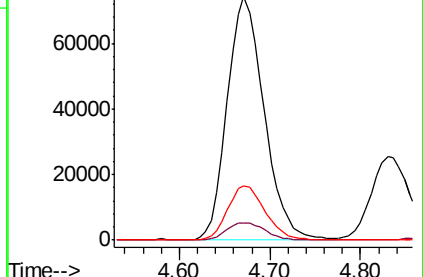
72 22.6 18.2 27.4

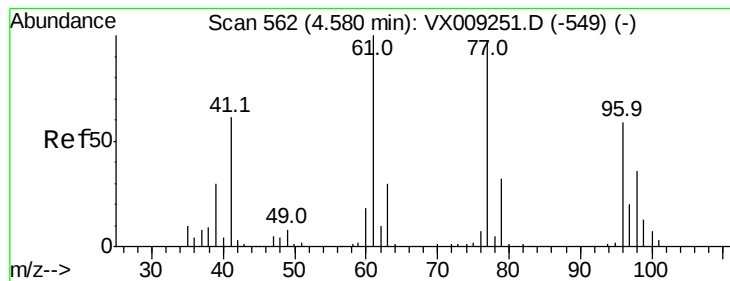


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 19.664 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

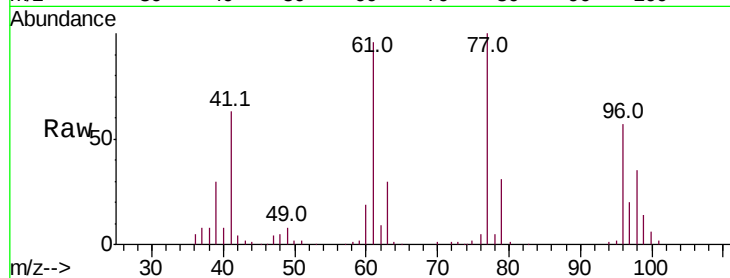
VX0501WBS01

Tot Ion: 77 Resp: 57230

Ion Ratio Lower Upper

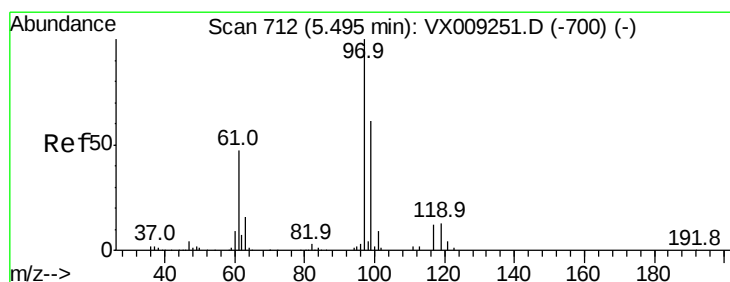
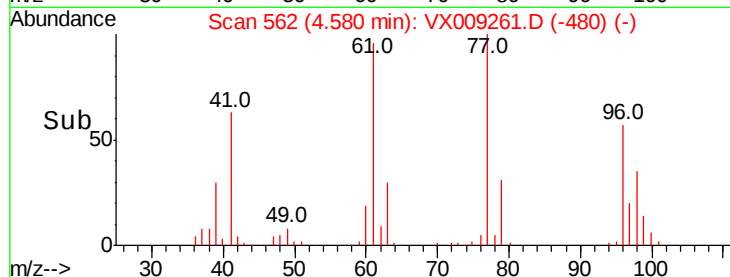
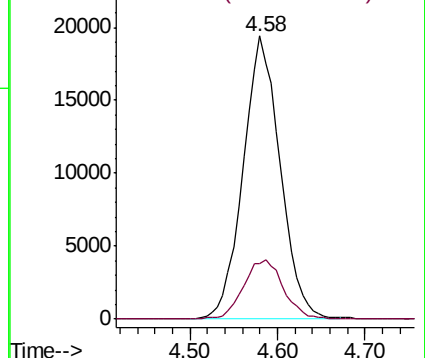
77 100

97 22.5 18.3 27.5



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.179 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

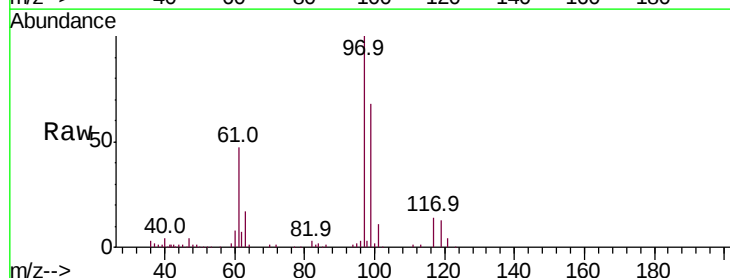
Tgt Ion: 97 Resp: 57752

Ion Ratio Lower Upper

97 100

99 65.3 53.9 80.9

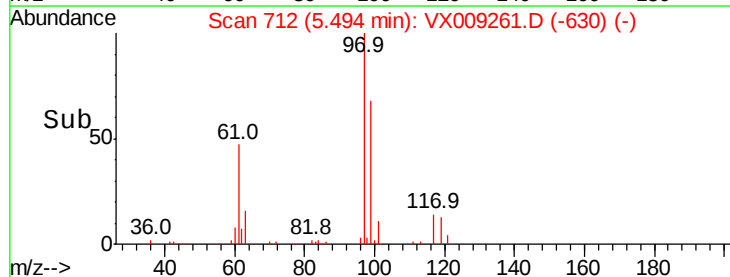
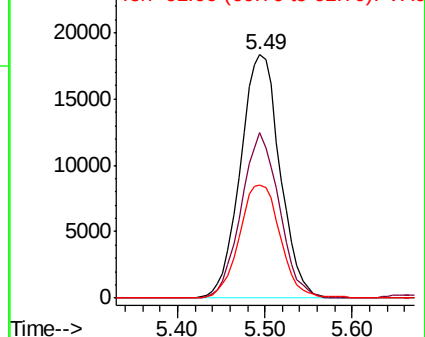
61 47.9 38.6 58.0

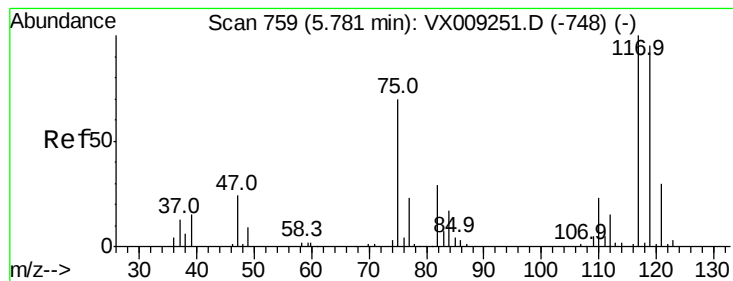


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 20.145 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

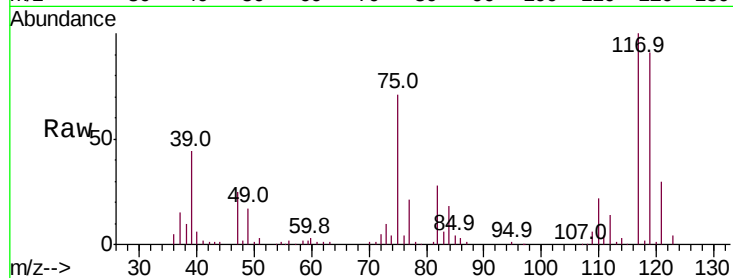
Tot Ion:117 Resp: 48239

Ion Ratio Lower Upper

117 100

119 90.8 76.1 114.1

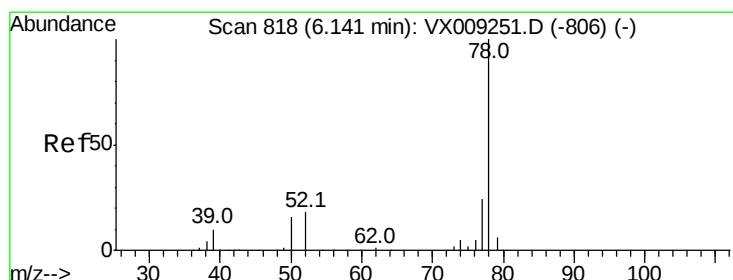
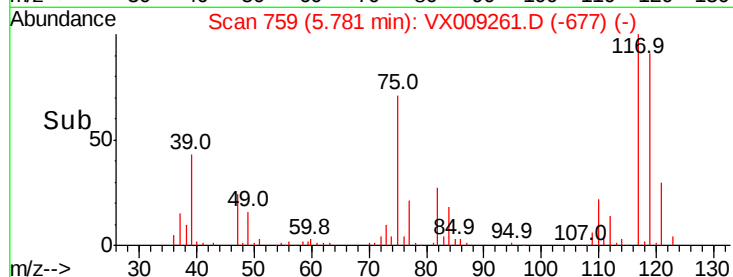
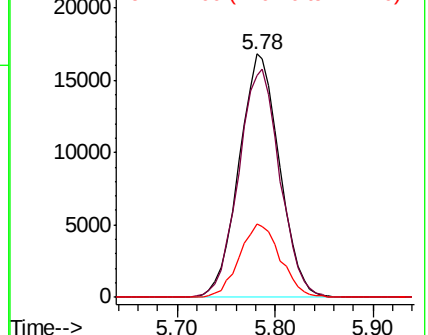
121 29.9 24.4 36.6



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: 20.337 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

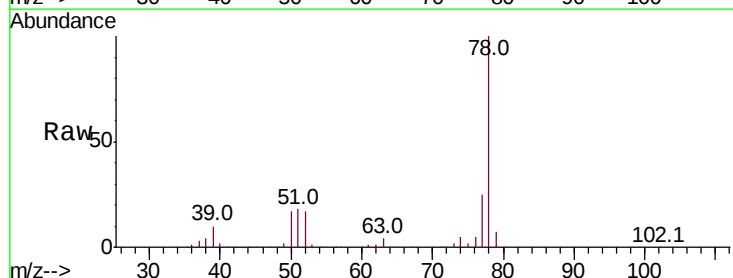
Tgt Ion: 78 Resp: 165528

Ion Ratio Lower Upper

78 100

77 25.1 18.8 28.2

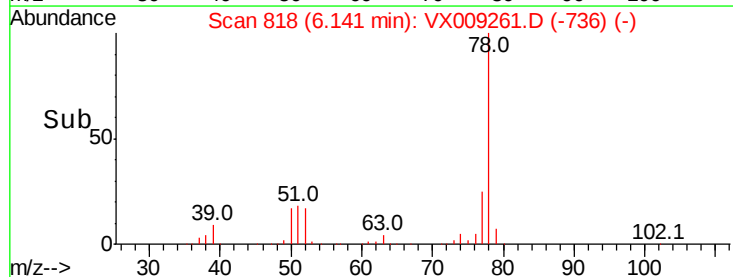
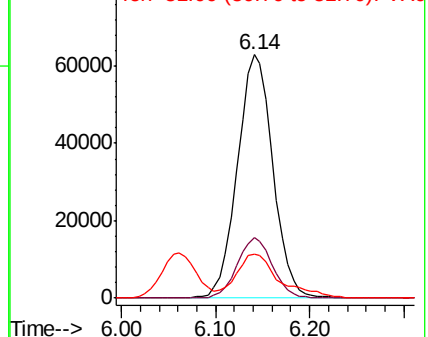
51 17.8 13.5 20.3

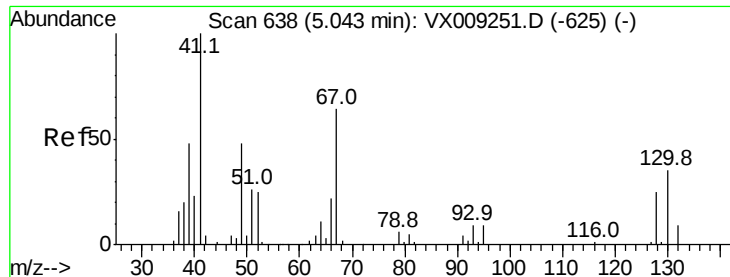


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

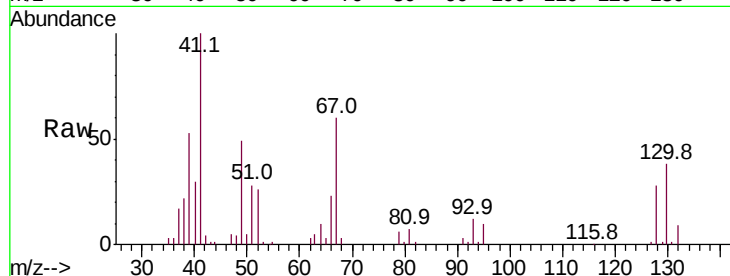




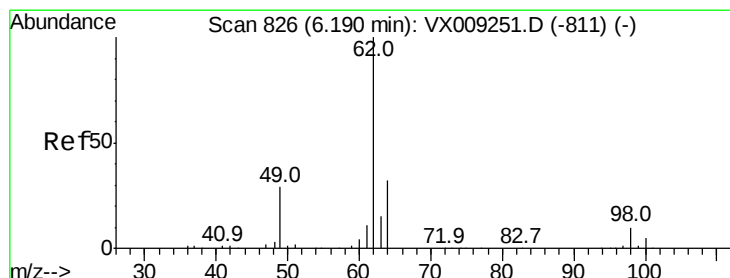
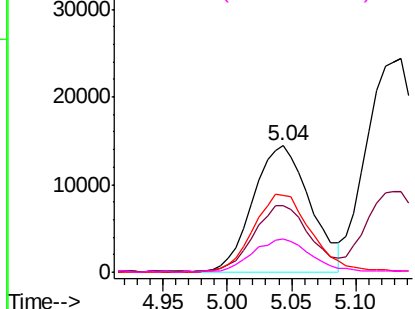
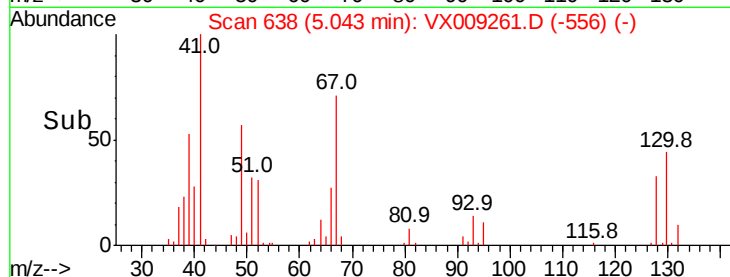
#35
Methacrylonitrile
Concen: 20.628 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion: 41 Resp: 44620
Ion Ratio Lower Upper
41 100
39 52.1 24.1 72.3
67 60.3 32.2 96.6
52 25.5 12.4 37.4

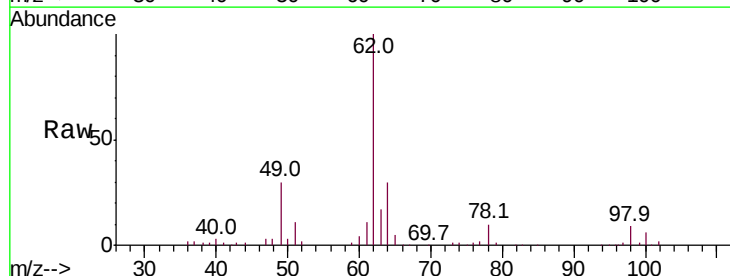


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

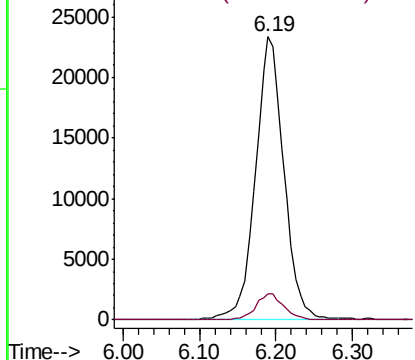
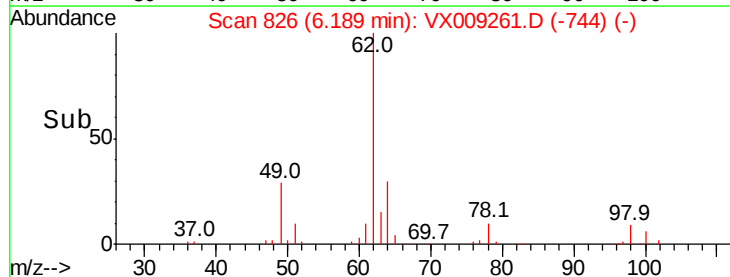


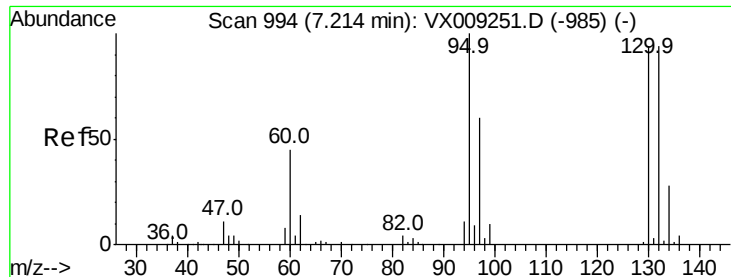
#36
1,2-Dichloroethane
Concen: 20.566 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 62 Resp: 60737
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2



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

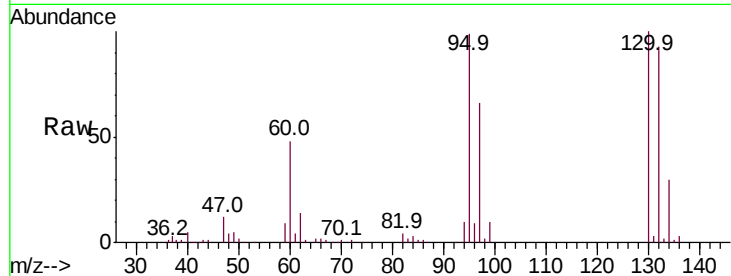




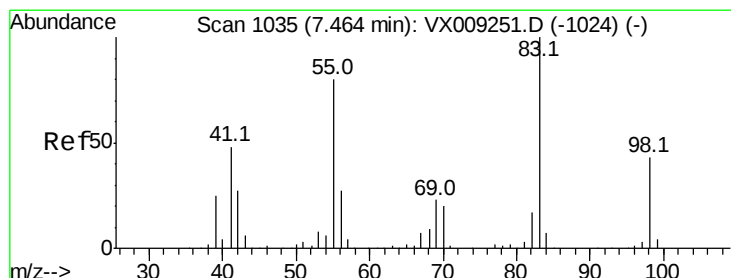
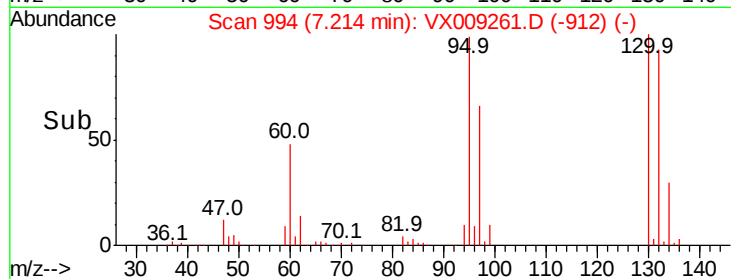
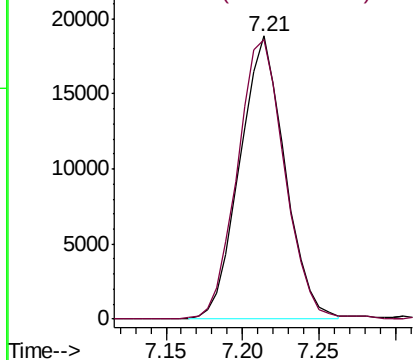
#37
 Trichloroethene
 Concen: 19.748 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion:130 Resp: 38692
 Ion Ratio Lower Upper
 130 100
 95 98.2 85.0 127.4

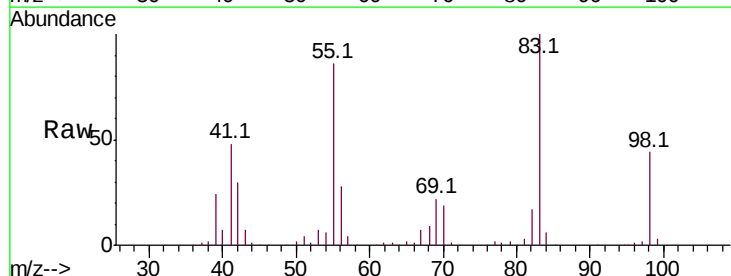


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

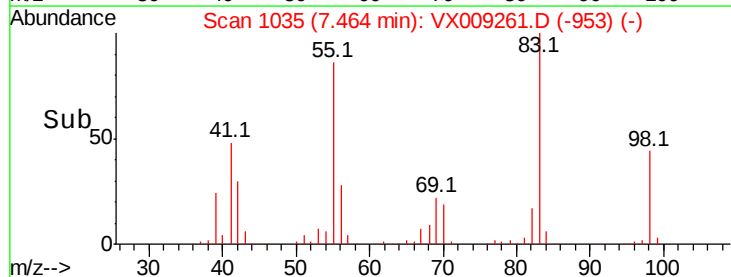
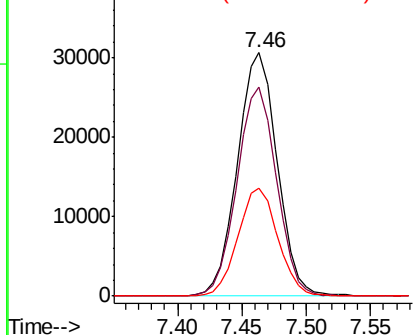


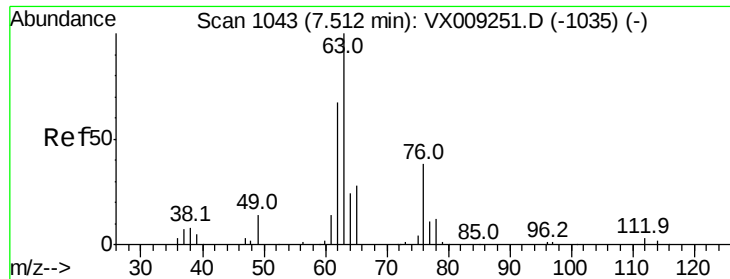
#38
 Methylcyclohexane
 Concen: 20.072 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion: 83 Resp: 65468
 Ion Ratio Lower Upper
 83 100
 55 85.6 43.0 129.2
 98 44.7 22.1 66.1



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





#39

1,2-Dichloropropane

Concen: 20.454 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

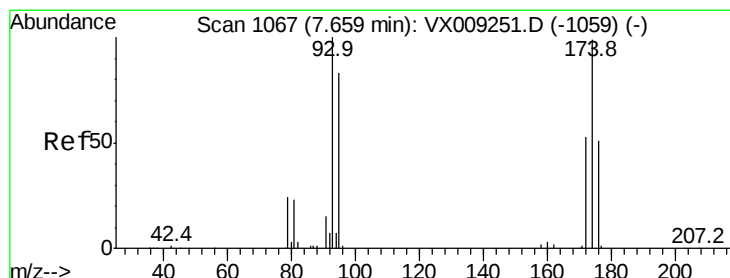
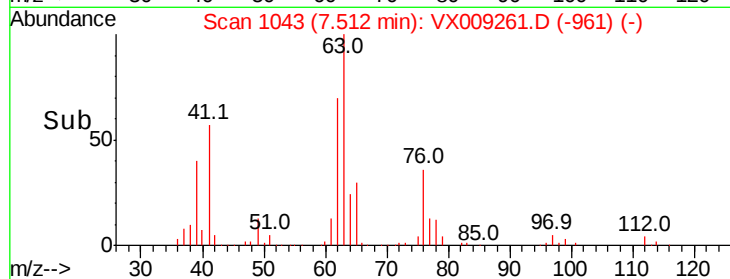
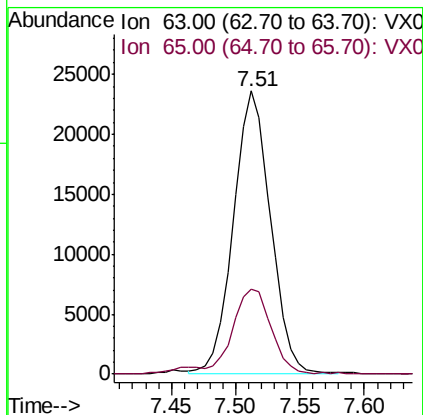
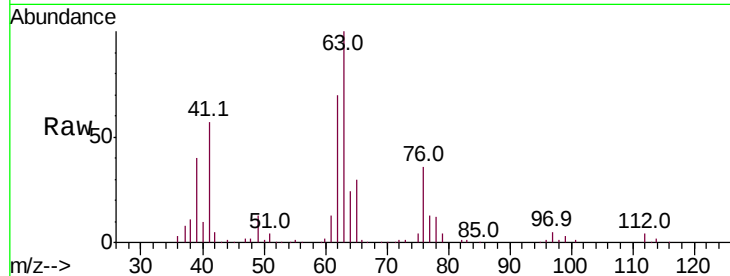
Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion: 63 Resp: 47408

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.0	36.0



#40

Dibromomethane

Concen: 20.408 ug/l

RT: 7.66 min Scan# 1067

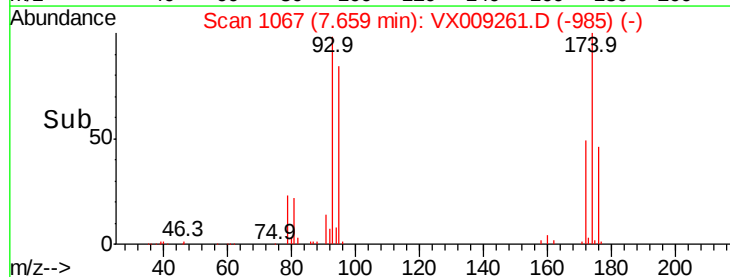
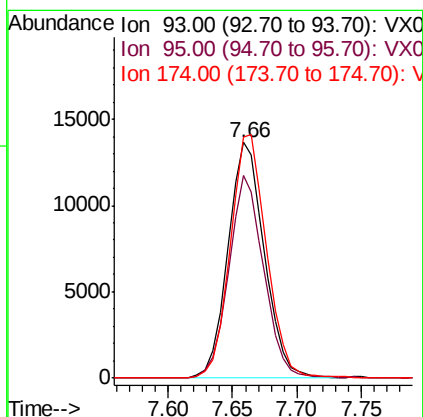
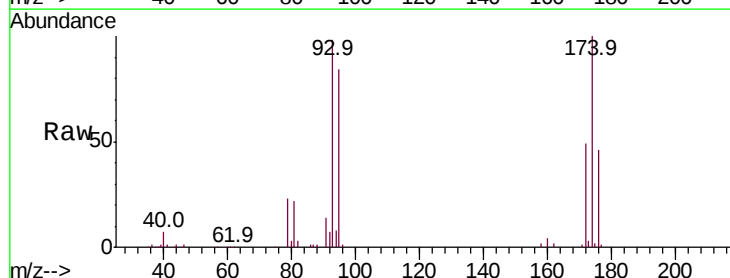
Delta R.T. -0.00 min

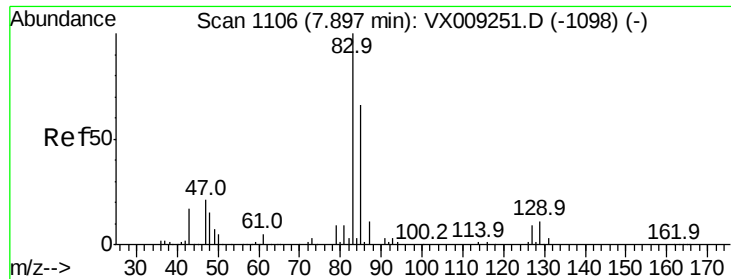
Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion: 93 Resp: 26847

Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	167.2
174	102.2	0.0	203.4





#41

Bromodichloromethane

Concen: 19.880 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

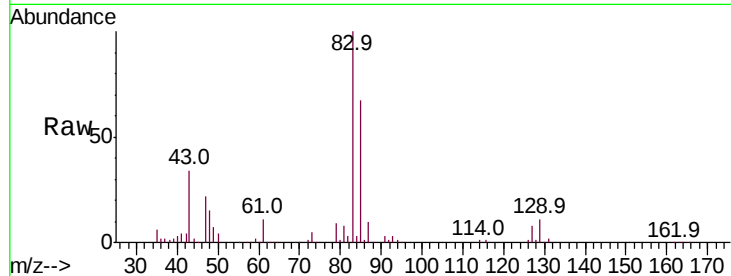
Tot Ion: 83 Resp: 53419

Ion Ratio Lower Upper

83 100

85 67.0 52.6 79.0

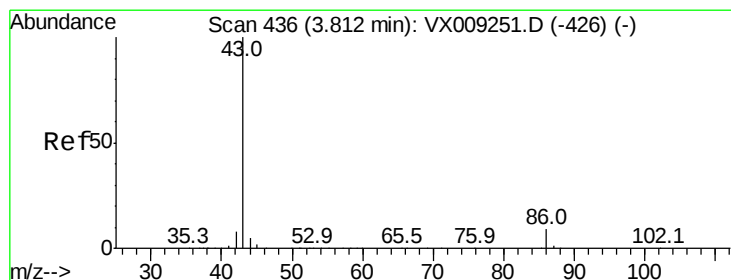
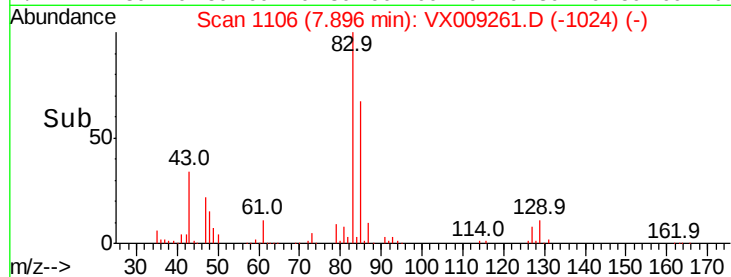
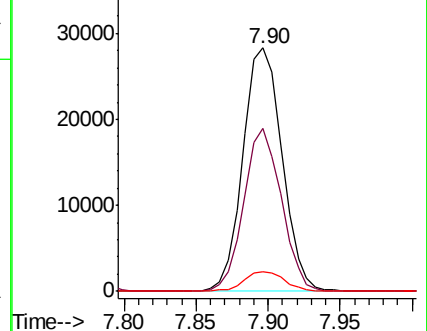
127 8.0 6.9 10.3



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: 102.833 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009261.D

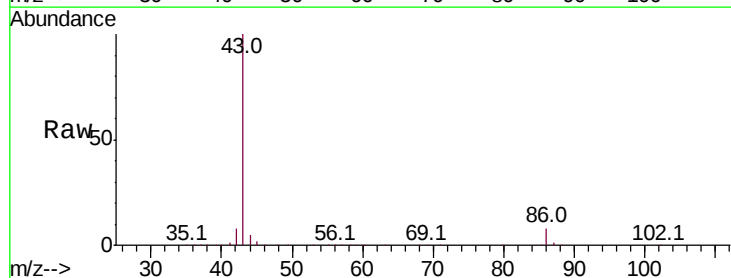
Acq: 01 May 2019 18:01

Tgt Ion: 43 Resp: 701705

Ion Ratio Lower Upper

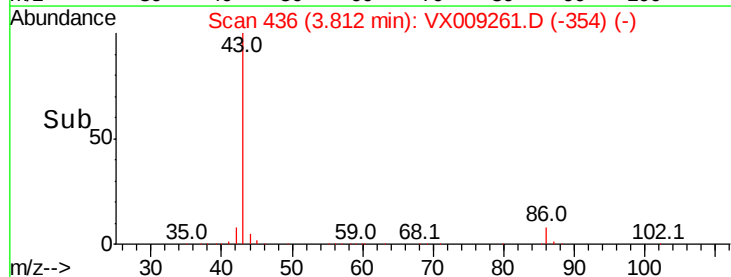
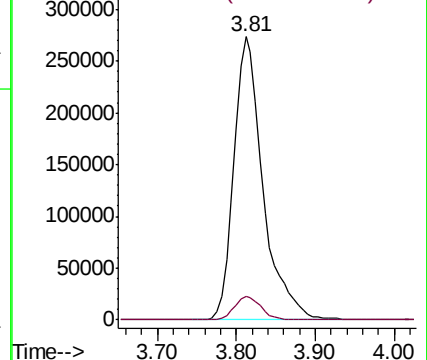
43 100

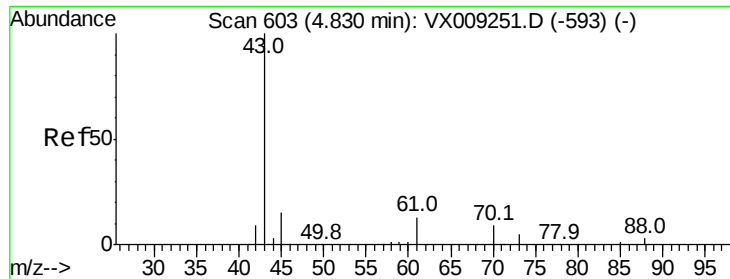
86 7.6 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 20.343 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

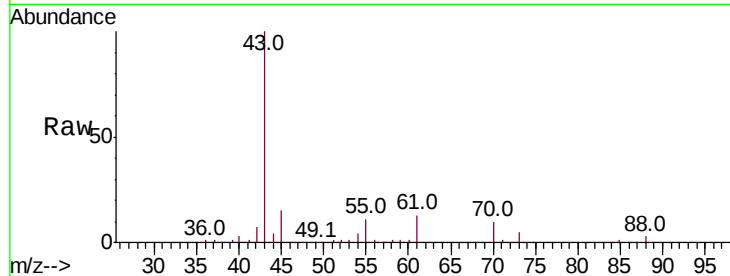
VX0501WBS01

Tot Ion: 43 Resp: 76000

Ion Ratio Lower Upper

43 100

45 15.0 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

4.83

25000

20000

15000

10000

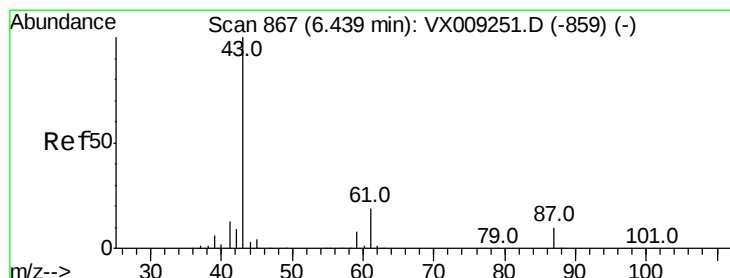
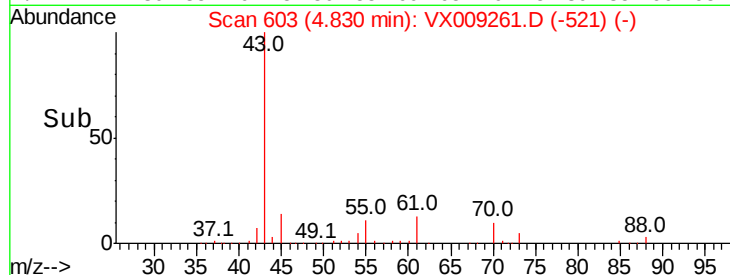
5000

0

Time-->

4.80

4.90



#44

Isopropyl Acetate

Concen: 19.994 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009261.D

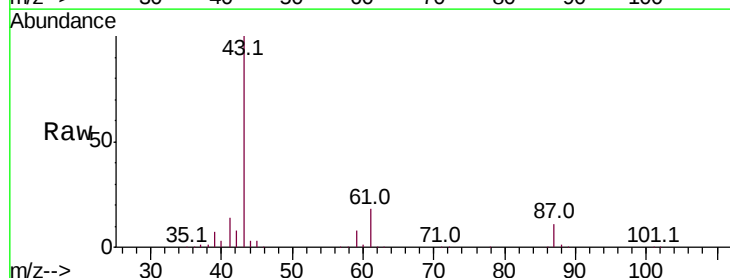
Acq: 01 May 2019 18:01

Tgt Ion: 43 Resp: 121011

Ion Ratio Lower Upper

43 100

61 18.6 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.45

50000

40000

30000

20000

10000

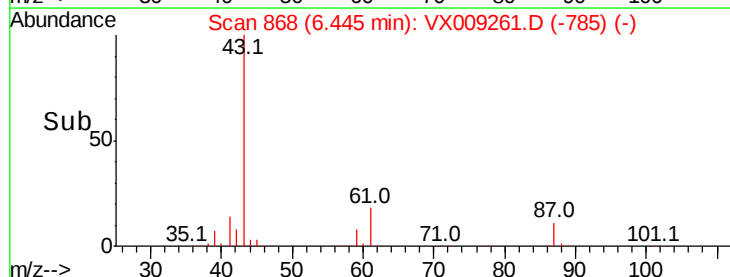
0

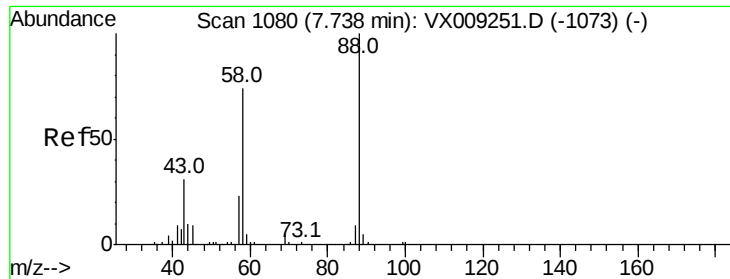
Time-->

6.30

6.40

6.50





#45

1,4-Dioxane

Concen: 413.932 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

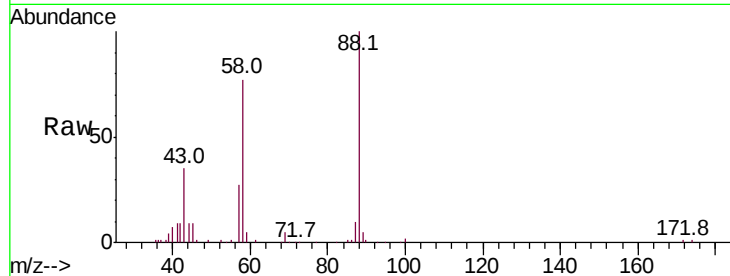
Tot Ion: 88 Resp: 24596

Ion Ratio Lower Upper

88 100

43 36.9 28.5 42.7

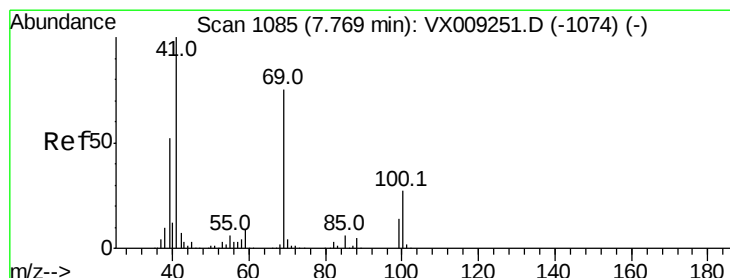
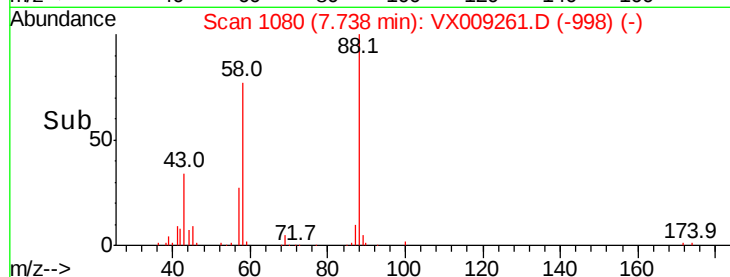
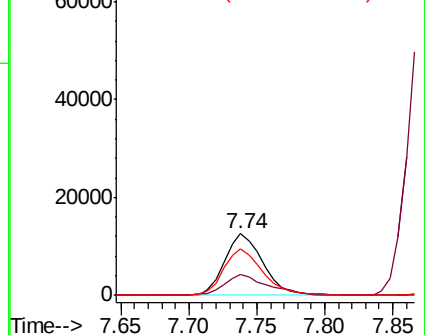
58 76.3 62.5 93.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 19.775 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

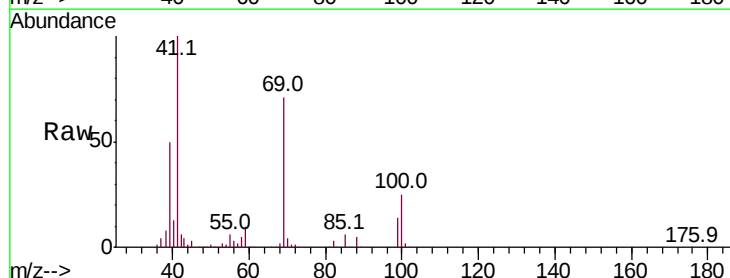
Tgt Ion: 41 Resp: 59736

Ion Ratio Lower Upper

41 100

69 71.4 37.6 112.8

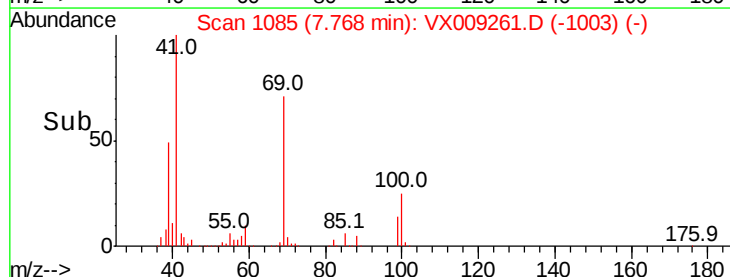
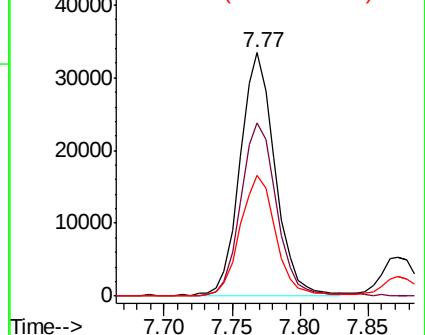
39 49.5 25.8 77.3

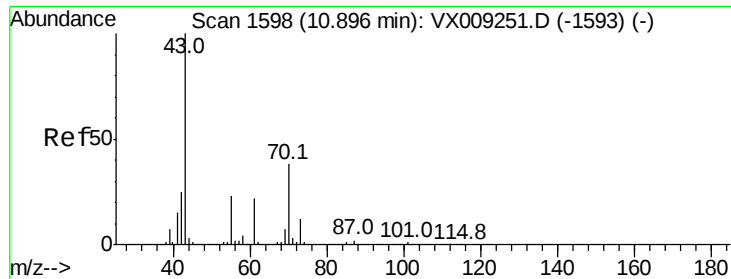


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 19.917 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

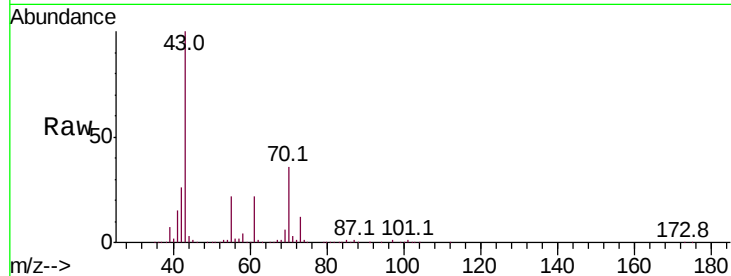
VX0501WBS01

Tot Ion: 43 Resp: 108589

Ion Ratio Lower Upper

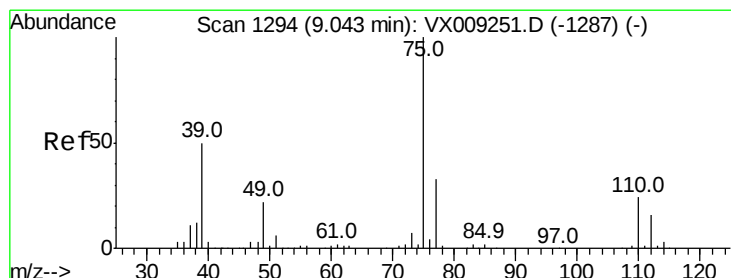
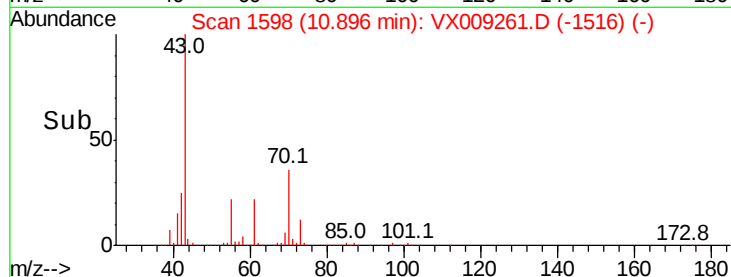
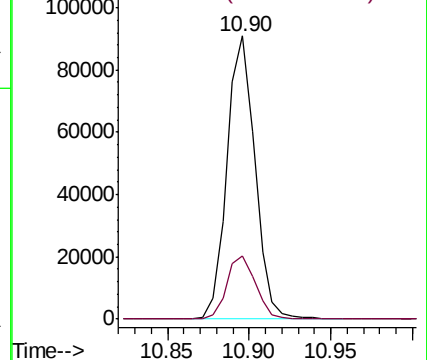
43 100

55 22.9 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: 19.513 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009261.D

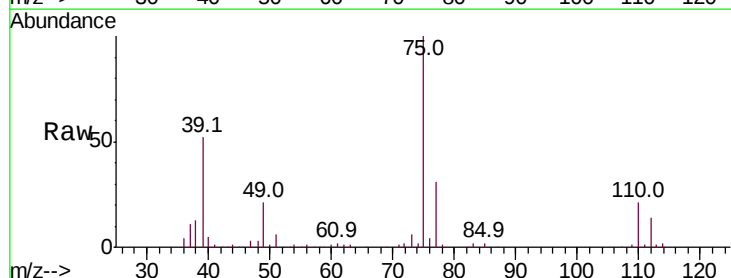
Acq: 01 May 2019 18:01

Tgt Ion: 75 Resp: 61177

Ion Ratio Lower Upper

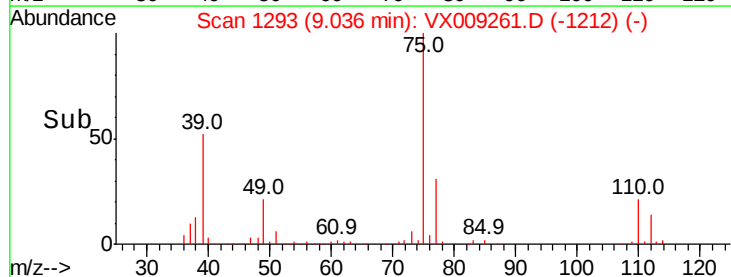
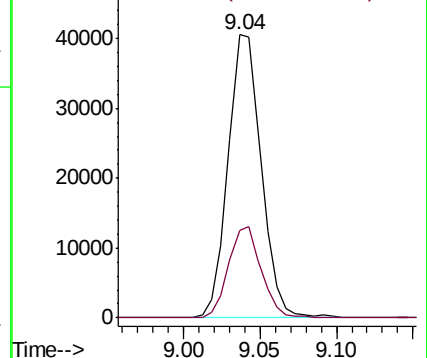
75 100

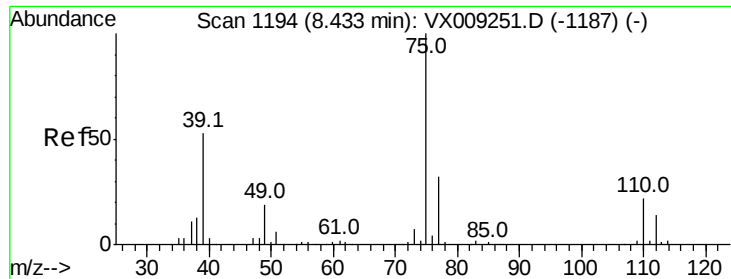
77 30.6 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

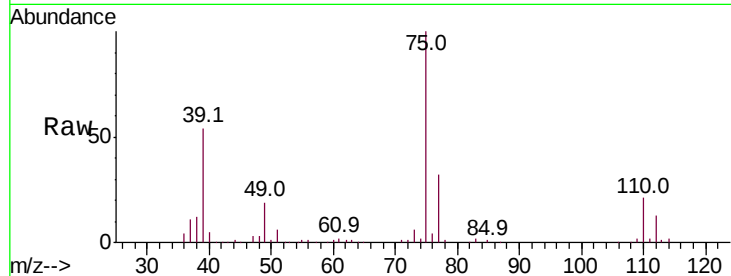




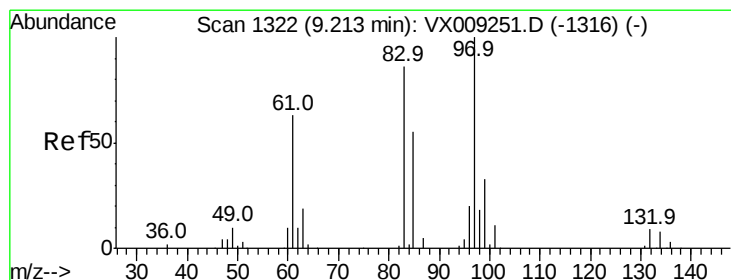
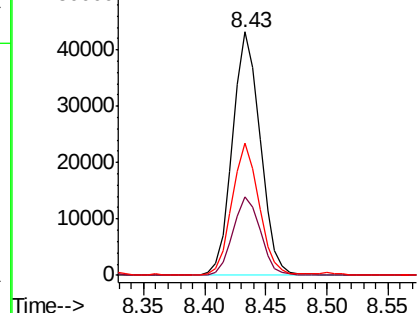
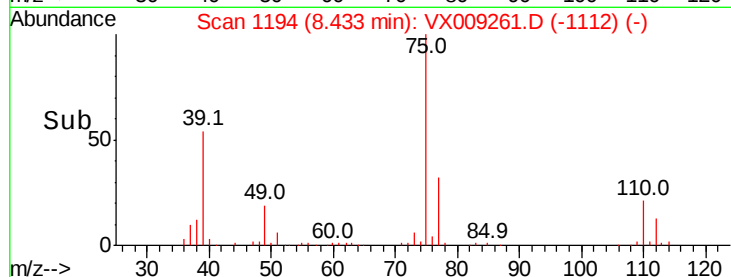
#49
 cis-1,3-Dichloropropene
 Concen: 19.741 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Tot Ion: 75 Resp: 67946
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0
 39 54.4 42.6 63.8

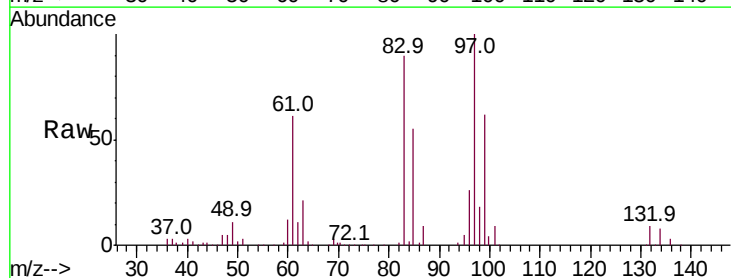


Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

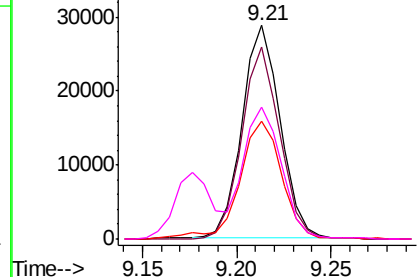
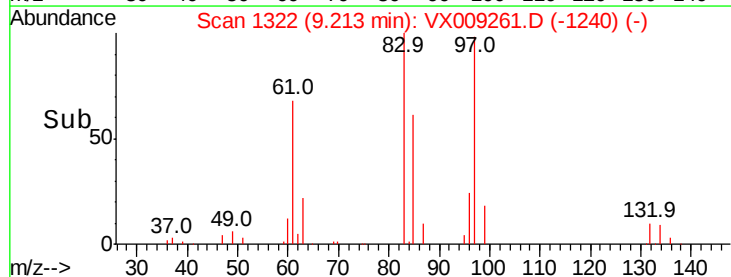


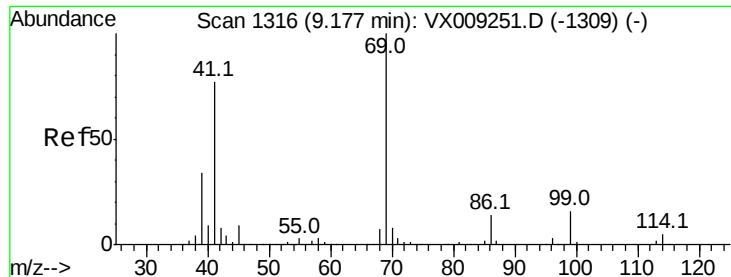
#50
 1,1,2-Trichloroethane
 Concen: 20.002 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion: 97 Resp: 40313
 Ion Ratio Lower Upper
 97 100
 83 90.5 68.8 103.2
 85 55.0 45.8 68.6
 99 61.7 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: 19.923 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

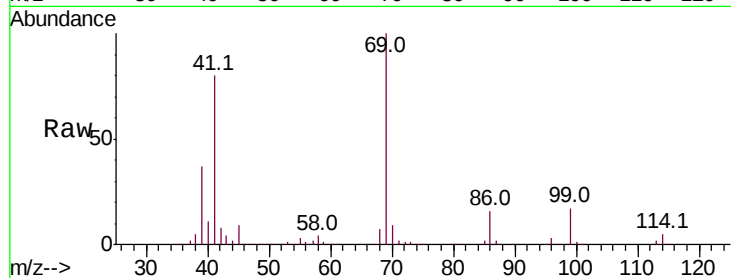
Tot Ion: 69 Resp: 74202

Ion Ratio Lower Upper

69 100

41 79.7 38.4 115.2

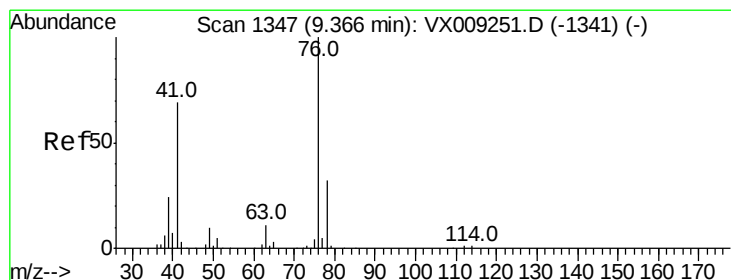
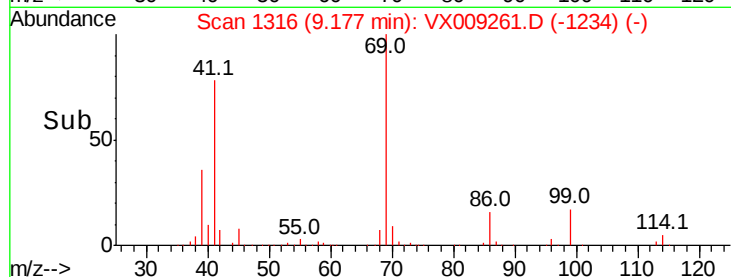
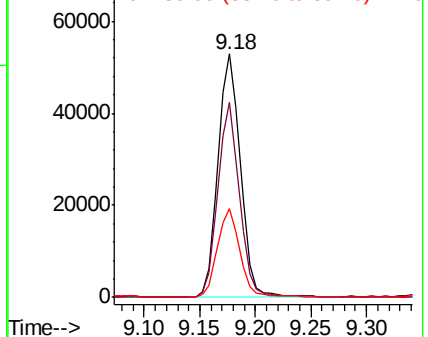
39 36.5 17.2 51.5



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: 20.547 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX009261.D

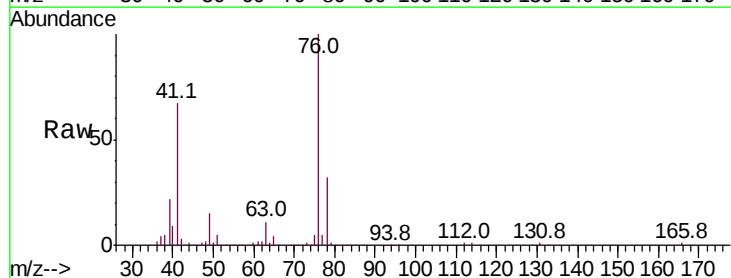
Acq: 01 May 2019 18:01

Tgt Ion: 76 Resp: 73494

Ion Ratio Lower Upper

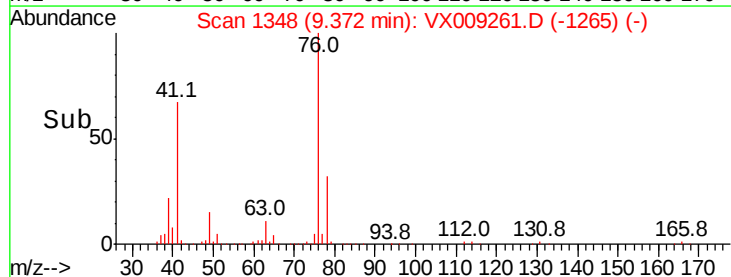
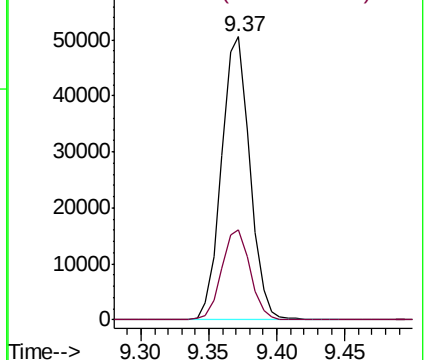
76 100

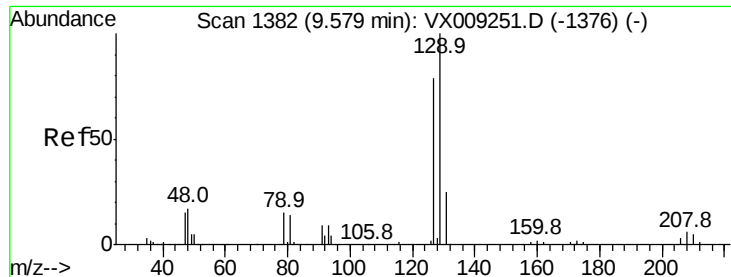
78 31.9 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.680 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

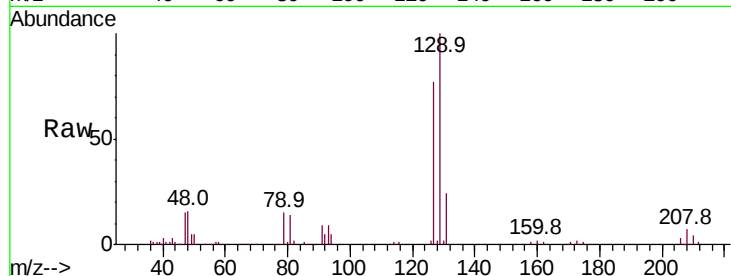
VX0501WBS01

Tot Ion:129 Resp: 39502

Ion Ratio Lower Upper

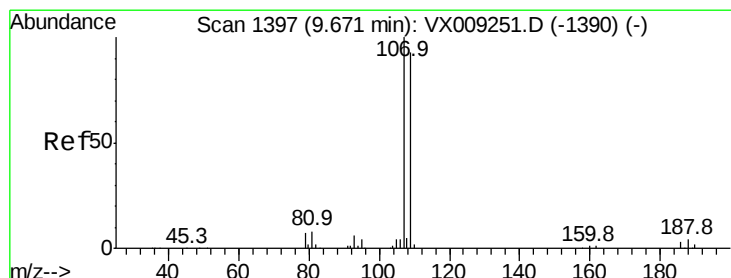
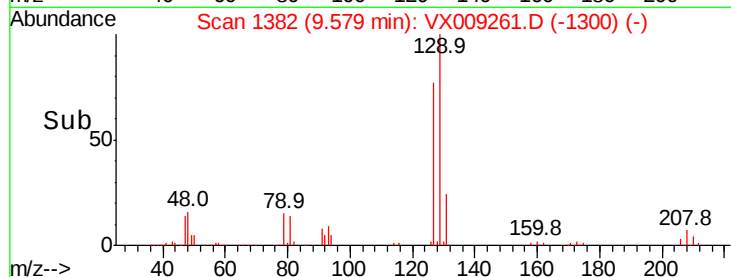
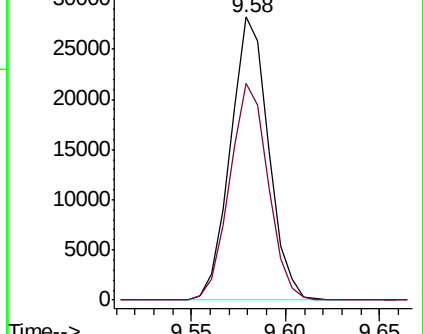
129 100

127 77.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.980 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009261.D

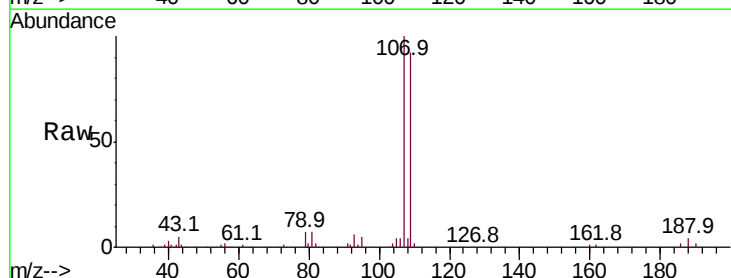
Acq: 01 May 2019 18:01

Tgt Ion:107 Resp: 41300

Ion Ratio Lower Upper

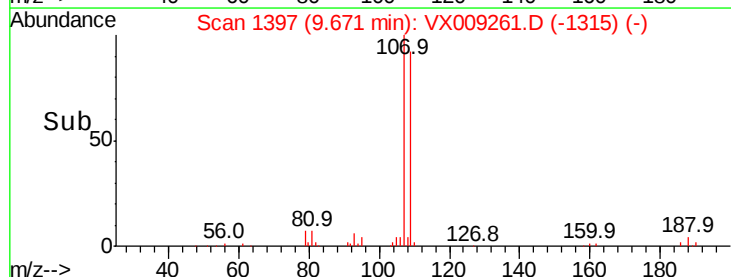
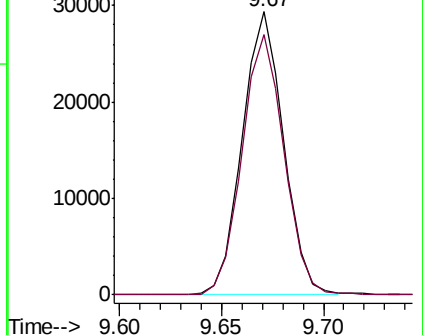
107 100

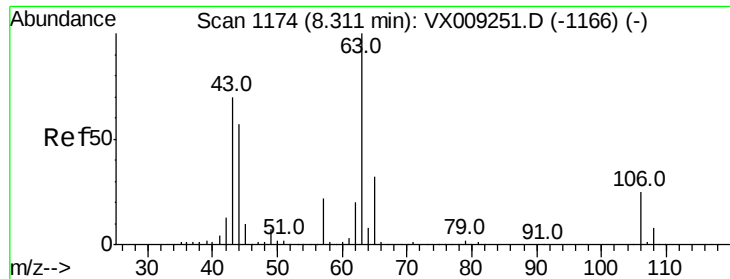
109 93.2 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 100.531 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

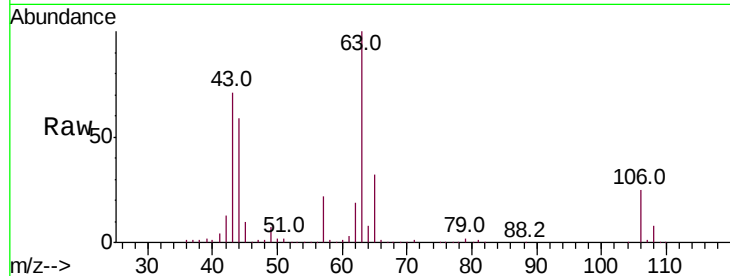
Tot Ion: 63 Resp: 199519

Ion Ratio Lower Upper

63 100

65 32.4 25.8 38.6

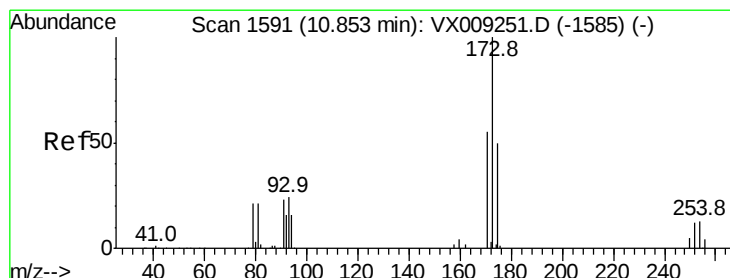
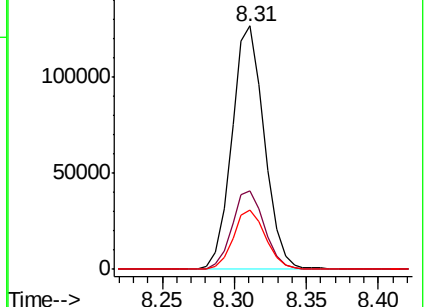
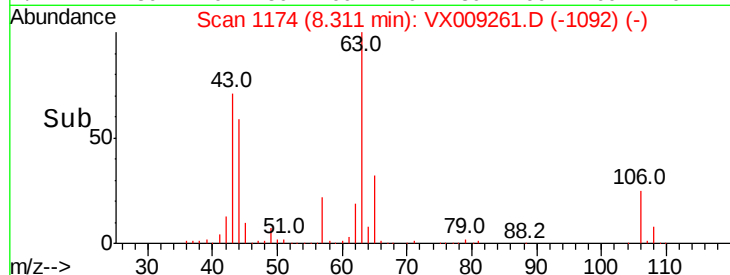
106 24.5 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V



#56

Bromoform

Concen: 18.790 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

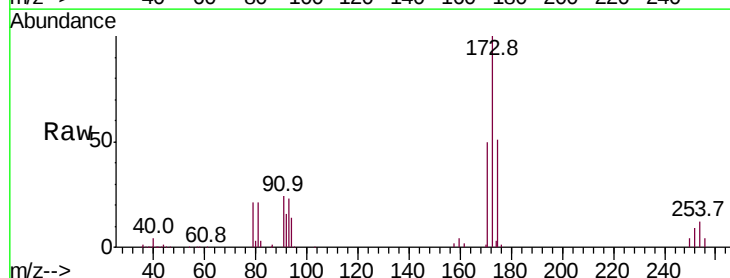
Tgt Ion:173 Resp: 28952

Ion Ratio Lower Upper

173 100

175 50.8 39.4 59.2

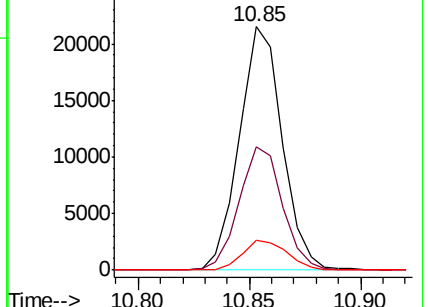
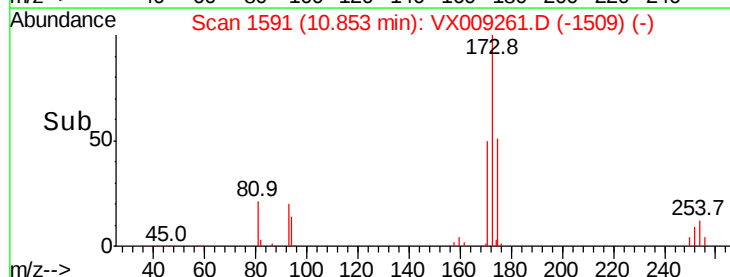
254 12.7 9.9 14.9

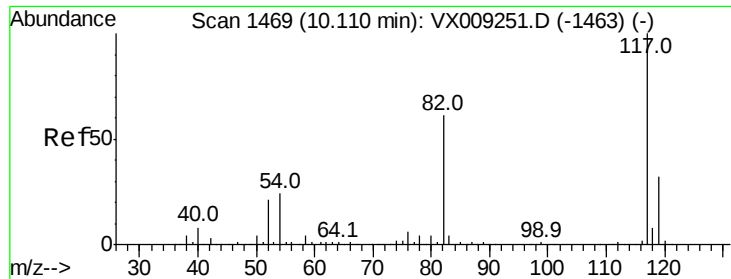


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

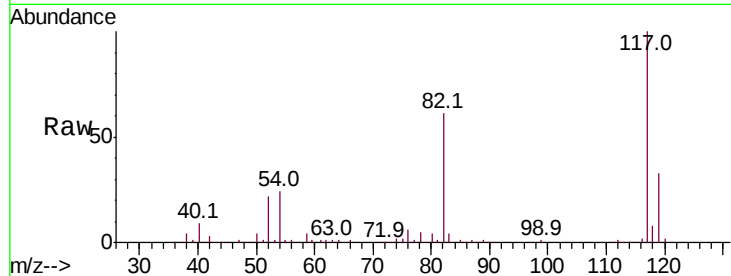




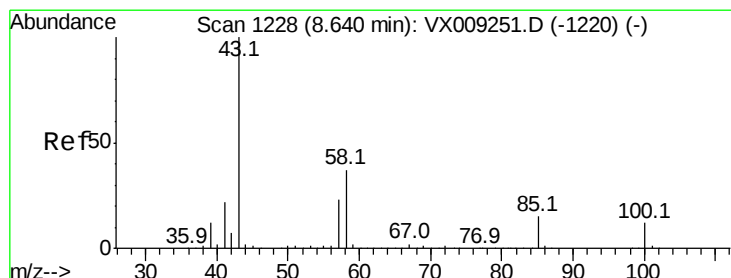
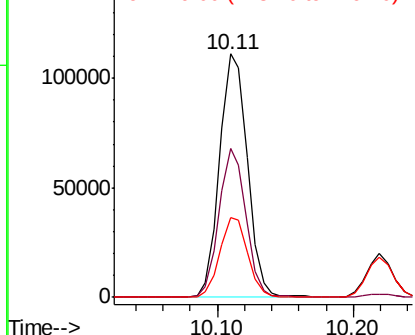
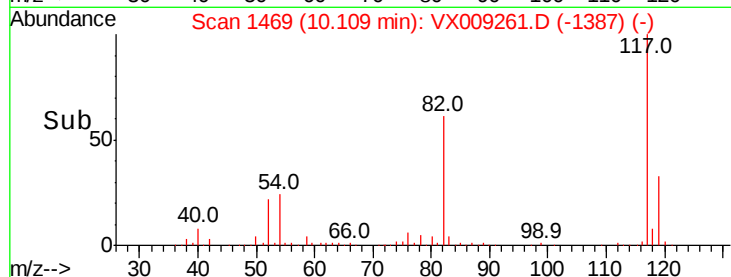
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion:117 Resp: 157753
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 32.6 25.6 38.4

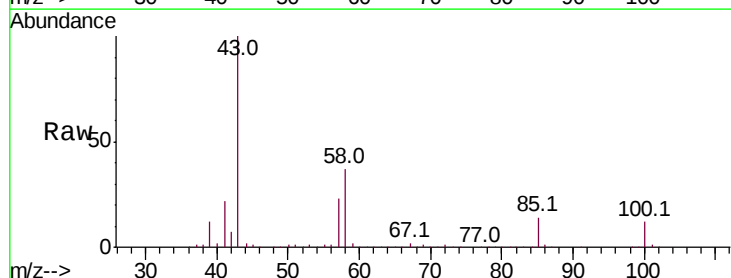


Abundance Ion 117.00 (116.70 to 117.70): V
150000
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

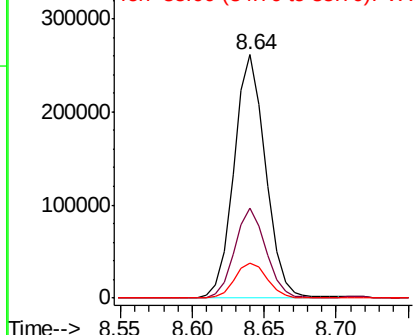
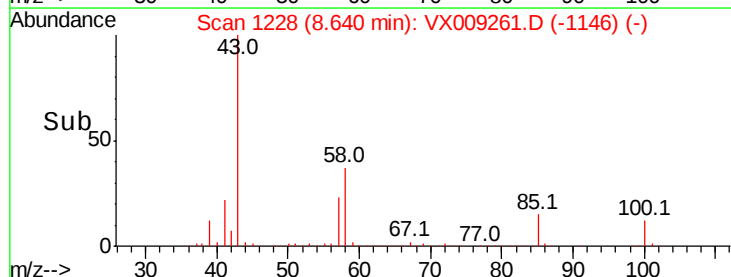


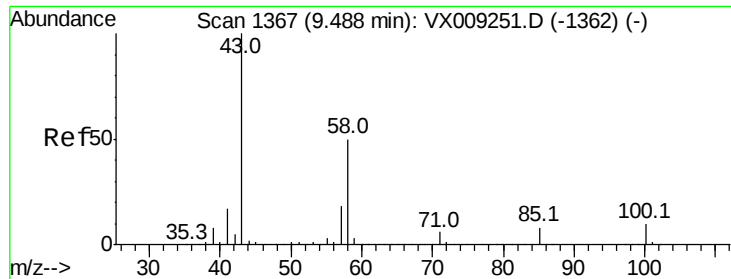
#58
4-Methyl-2-Pentanone
Concen: 103.348 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 43 Resp: 400883
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0
85 14.9 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

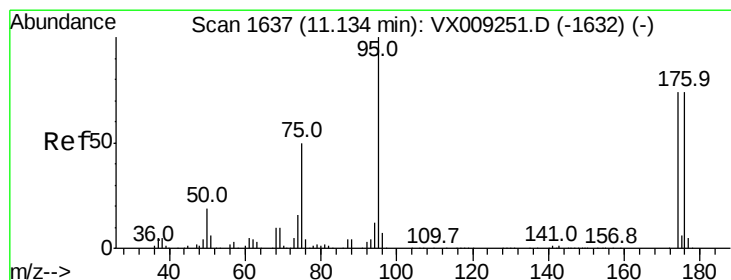
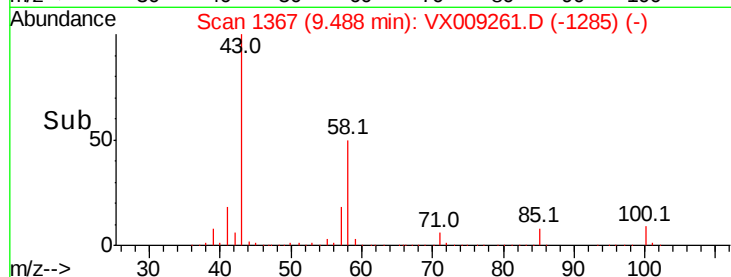
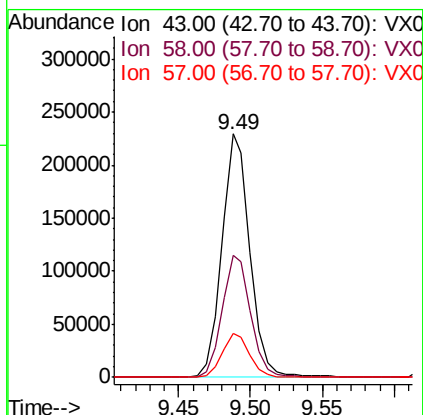
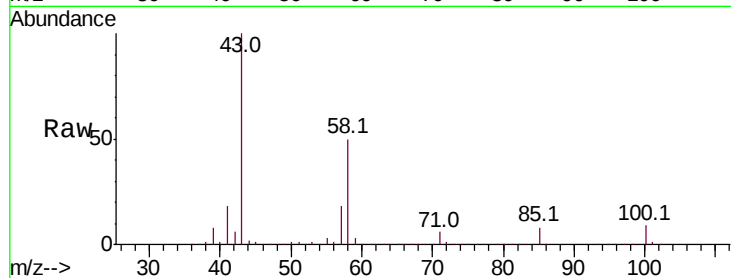




#59
2-Hexanone
Concen: 102.516 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

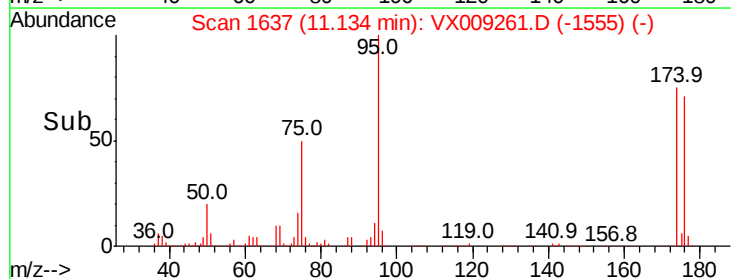
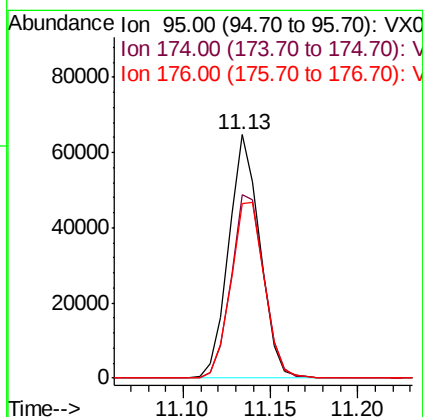
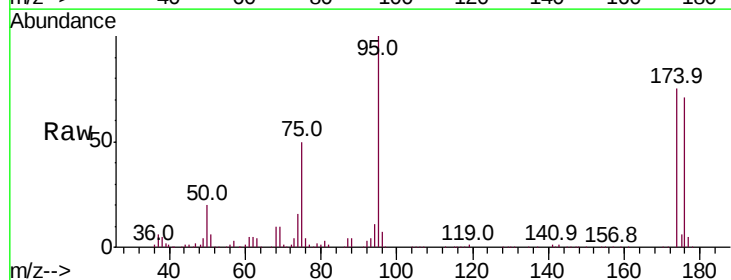
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

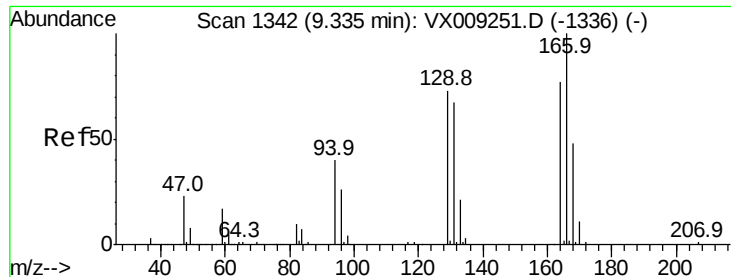
Tot Ion: 43 Resp: 311900
Ion Ratio Lower Upper
43 100
58 51.5 40.8 61.2
57 18.0 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.955 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 95 Resp: 80297
Ion Ratio Lower Upper
95 100
174 79.7 63.6 95.4
176 77.7 62.4 93.6

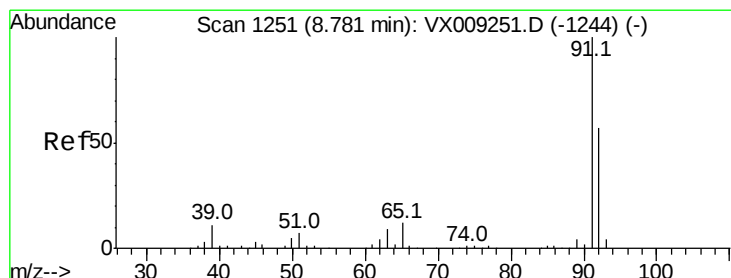
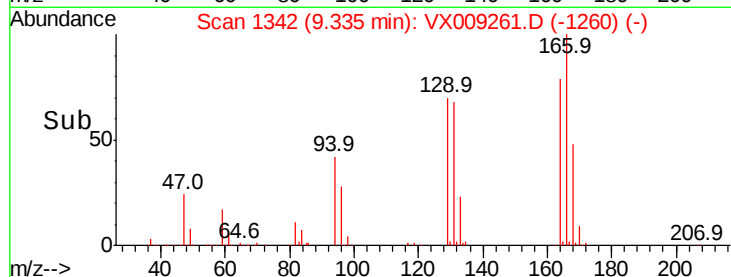
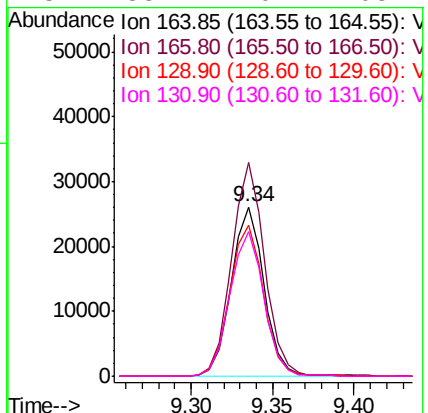
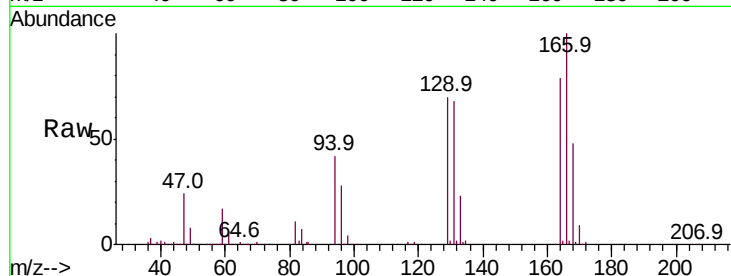




#61
Tetrachloroethene
Concen: 20.877 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

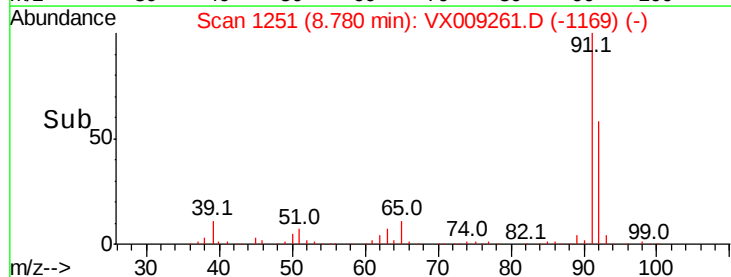
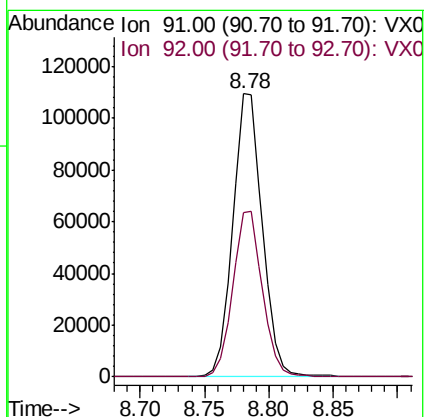
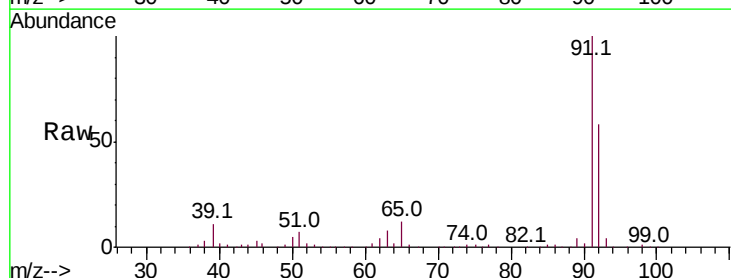
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS01

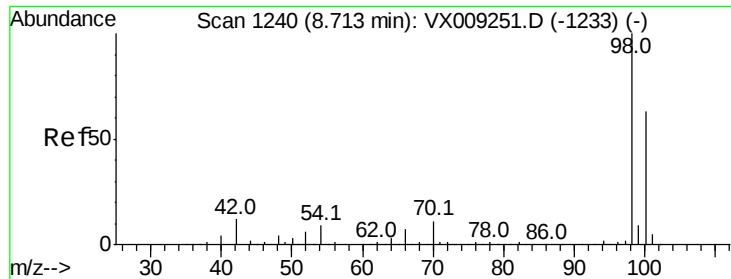
Tot Ion:164 Resp: 36307
Ion Ratio Lower Upper
164 100
166 126.1 104.1 156.1
129 88.6 76.0 114.0
131 85.7 70.1 105.1



#62
Toluene
Concen: 20.768 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion: 91 Resp: 175069
Ion Ratio Lower Upper
91 100
92 58.2 46.1 69.1





#63

Toluene-d8

Concen: 30.535 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

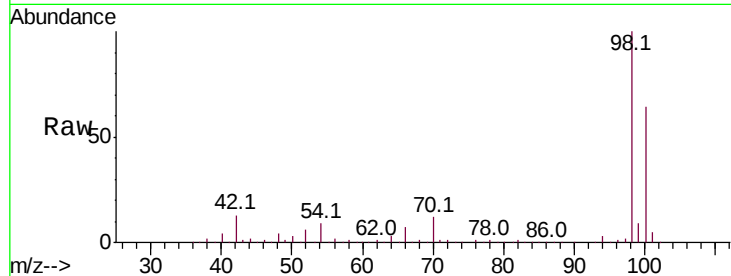
VX0501WBS01

Tot Ion: 98 Resp: 228381

Ion Ratio Lower Upper

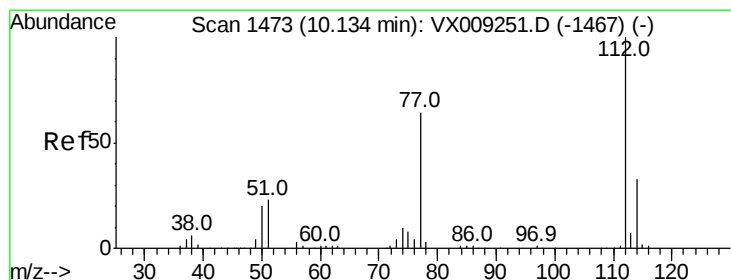
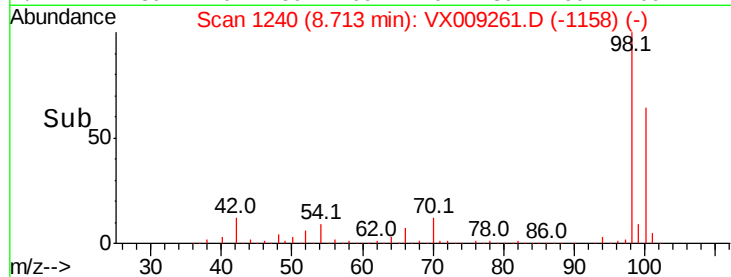
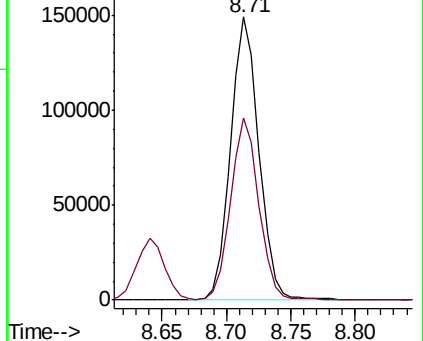
98 100

100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 20.431 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009261.D

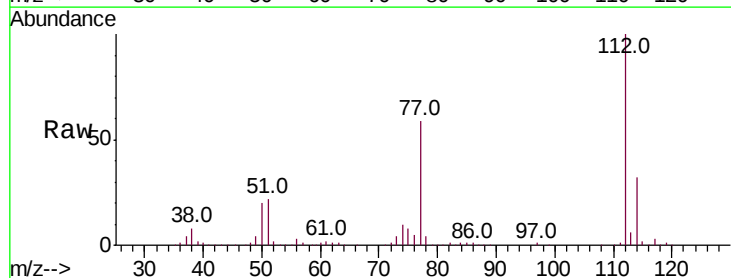
Acq: 01 May 2019 18:01

Tgt Ion: 112 Resp: 103649

Ion Ratio Lower Upper

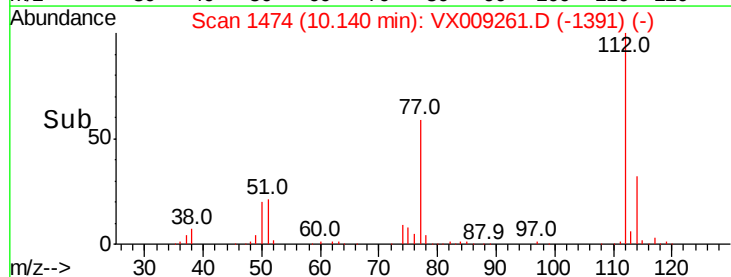
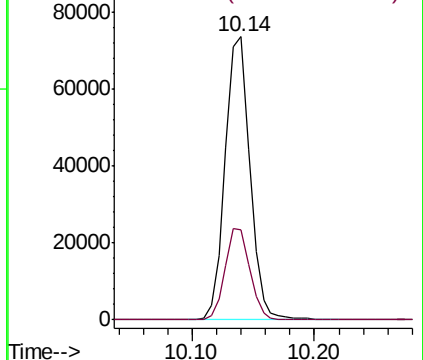
112 100

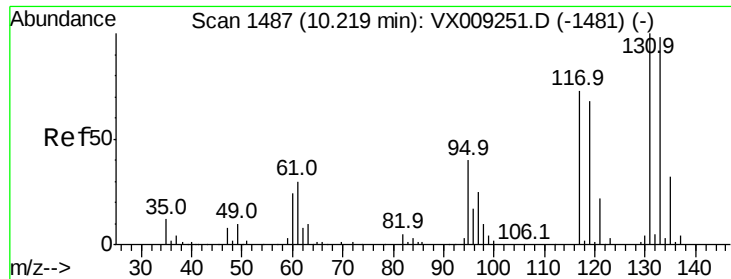
114 32.0 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.251 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

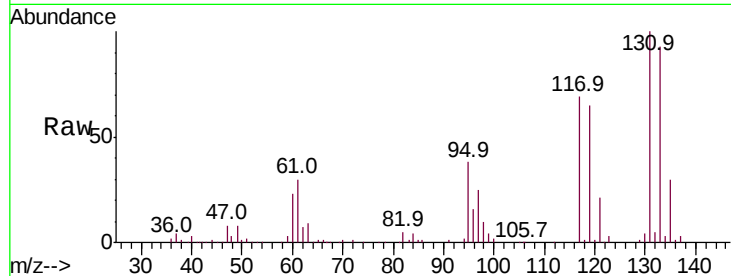
Tot Ion:131 Resp: 37617

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.2

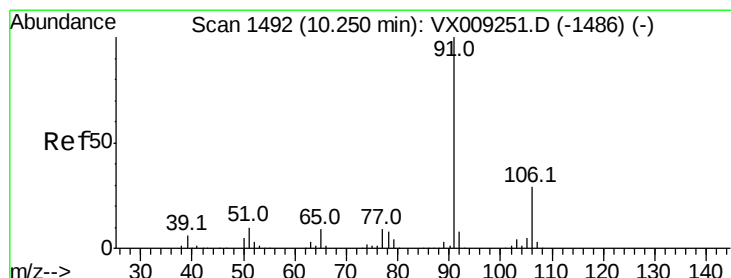
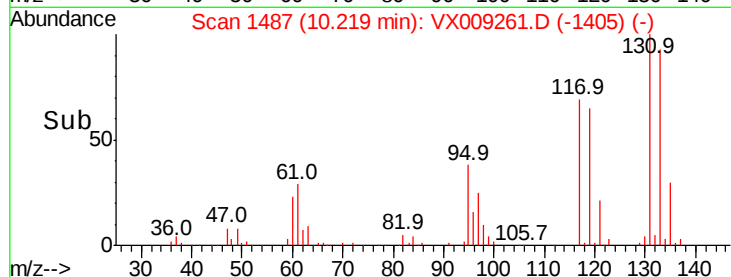
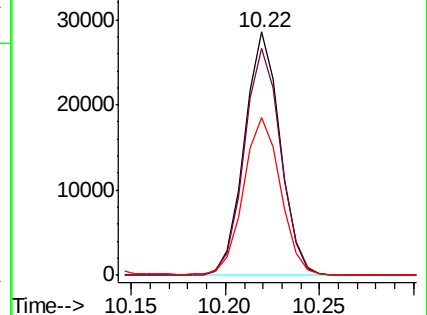
119 67.1 0.0 135.4



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: 20.447 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009261.D

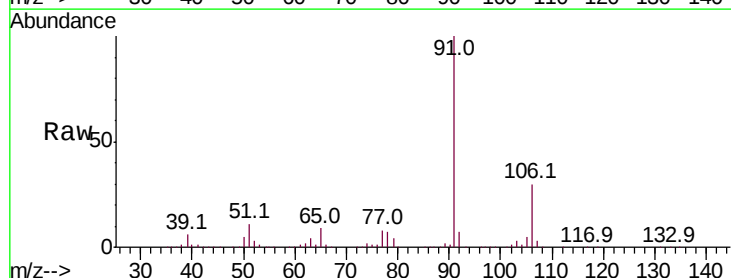
Acq: 01 May 2019 18:01

Tgt Ion: 91 Resp: 192014

Ion Ratio Lower Upper

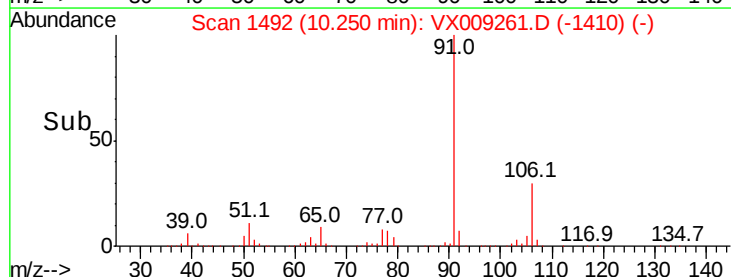
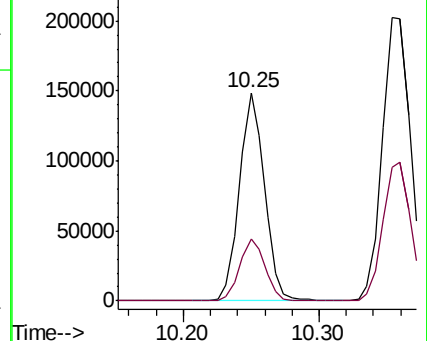
91 100

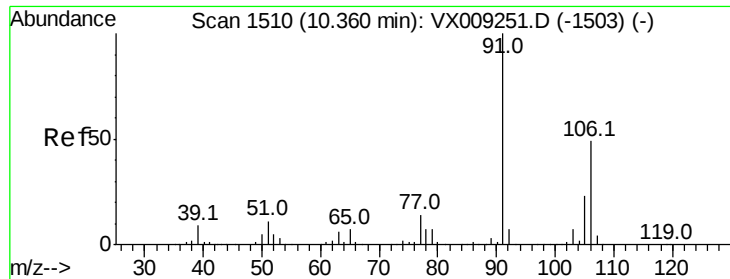
106 30.0 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

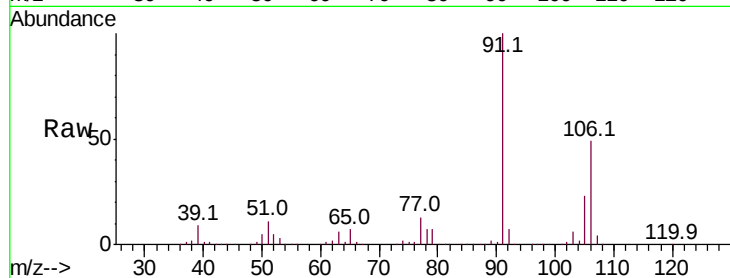




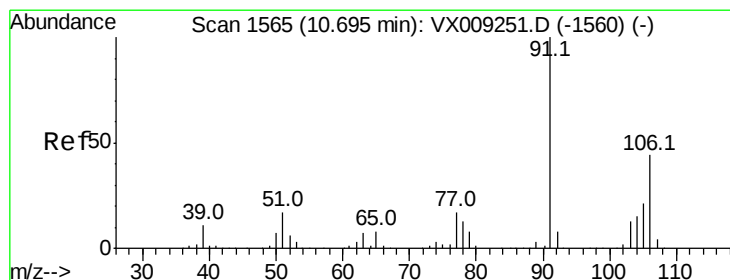
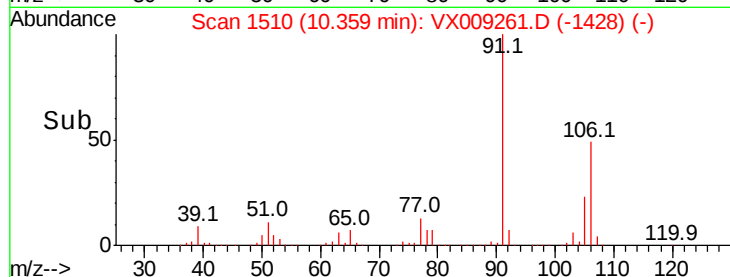
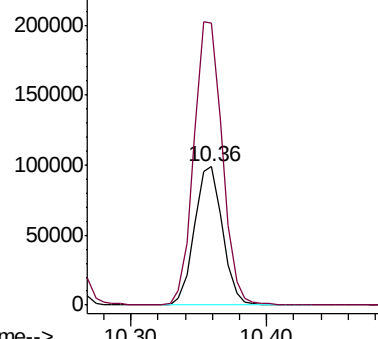
#67
m/p-Xvlenes
Concen: 41.421 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion:106 Resp: 142019
Ion Ratio Lower Upper
106 100
91 206.0 166.8 250.2

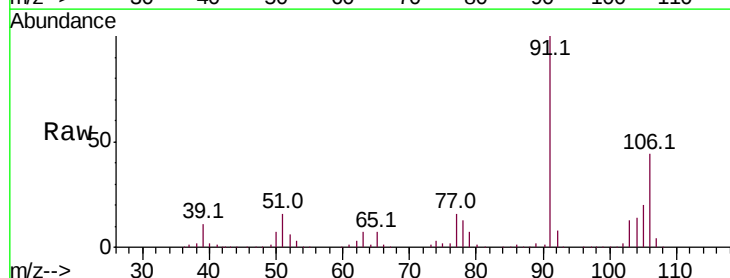


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

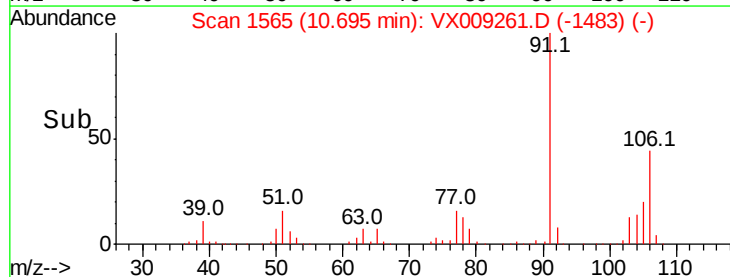
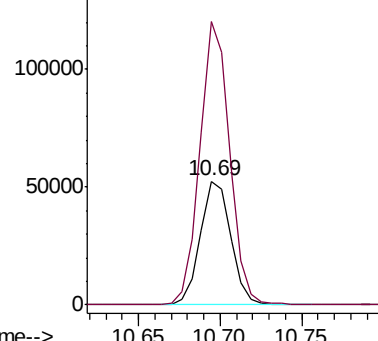


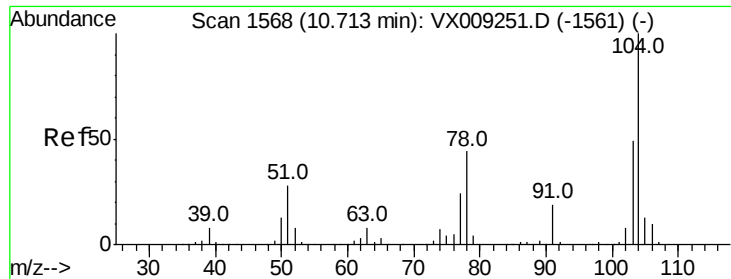
#68
o-Xylene
Concen: 20.353 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion:106 Resp: 68618
Ion Ratio Lower Upper
106 100
91 221.7 110.8 332.3



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

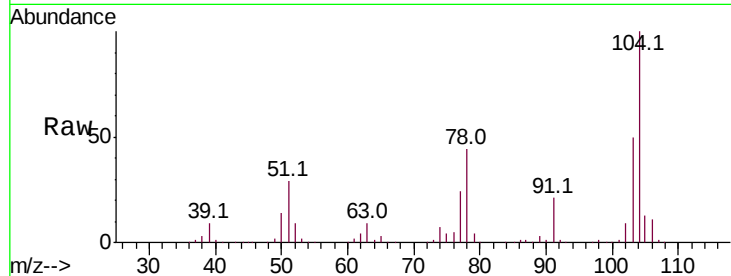




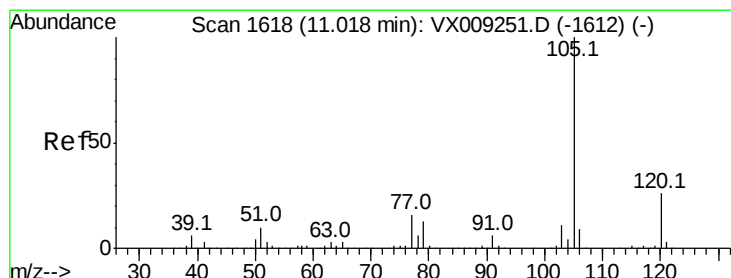
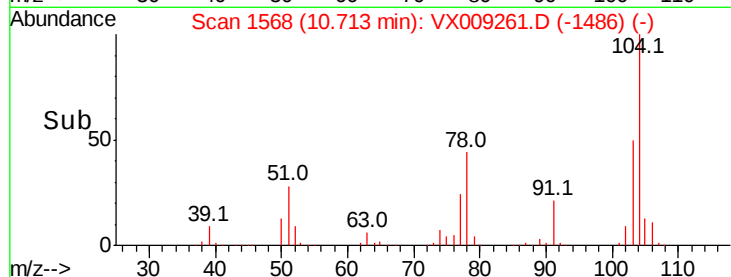
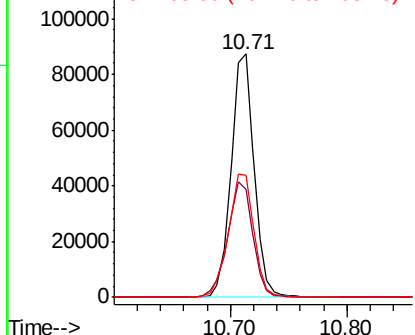
#69
Stvrene
Concen: 20.376 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS01

Tot Ion:104 Resp: 120592
Ion Ratio Lower Upper
104 100
78 51.9 41.1 61.7
103 56.1 43.8 65.8

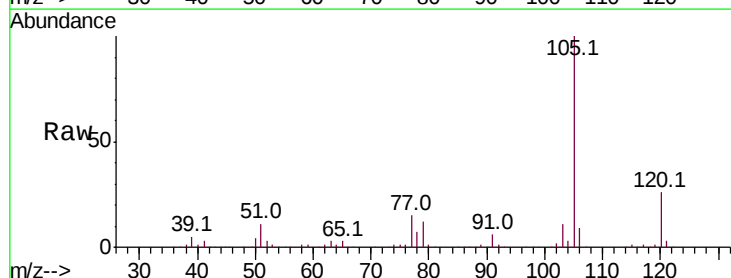


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

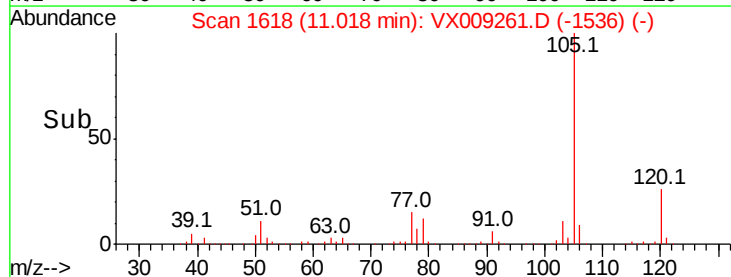
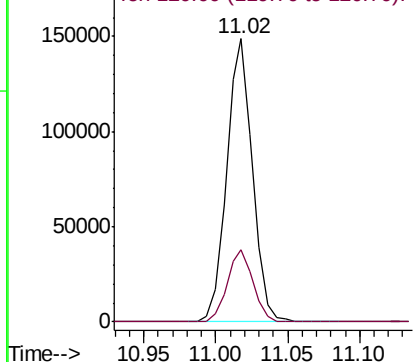


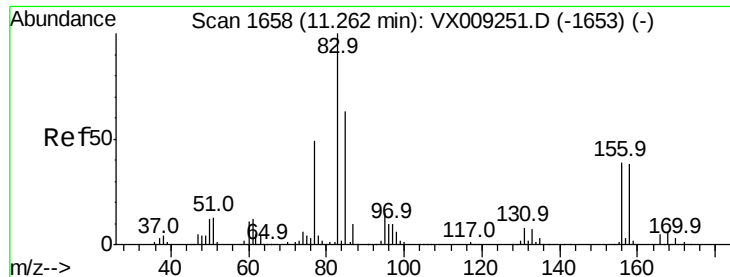
#70
Isopropylbenzene
Concen: 20.585 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009261.D
Acq: 01 May 2019 18:01

Tgt Ion:105 Resp: 186642
Ion Ratio Lower Upper
105 100
120 25.7 18.1 33.7



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

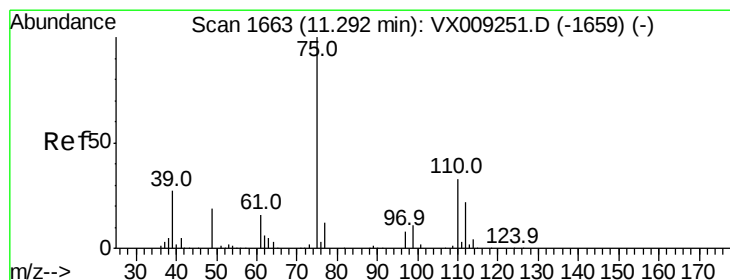
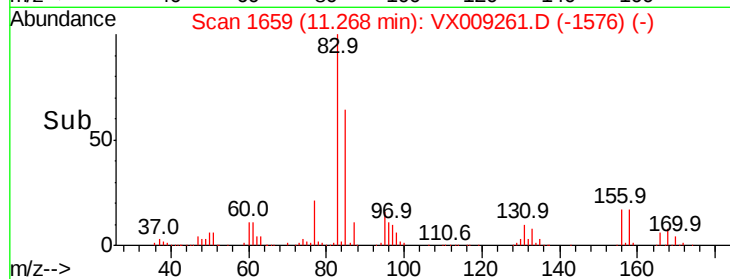
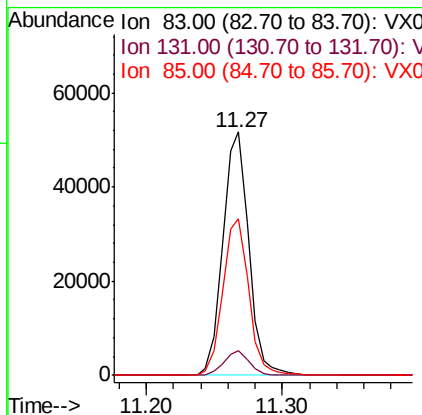
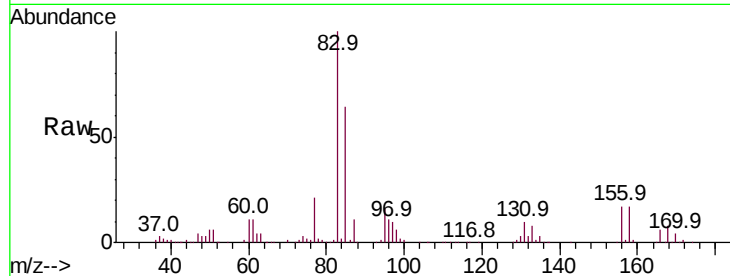




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.514 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

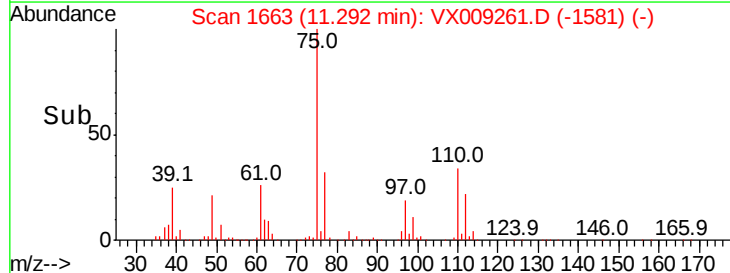
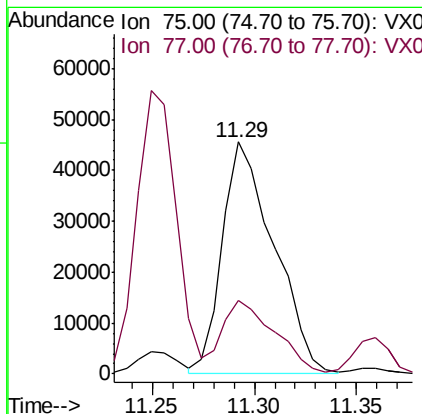
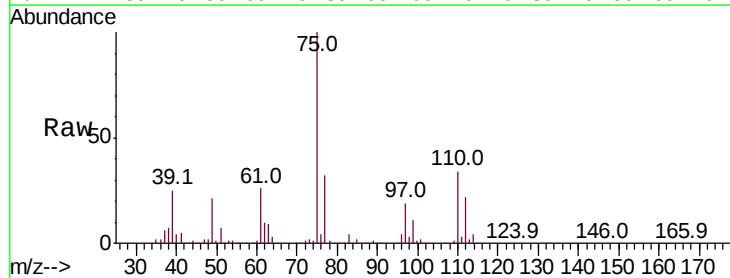
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

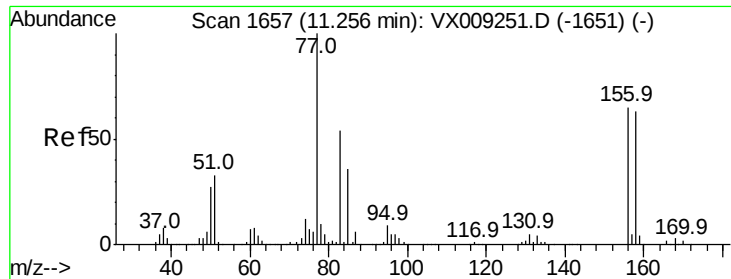
Tot Ion	83	Resp	68116
Ion Ratio	100	Lower	Upper
131	9.7	4.7	14.0
85	64.9	32.4	97.2



#72
 1,2,3-Trichloropropane
 Concen: 28.032 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion	75	Resp	80213
Ion Ratio	100	Lower	Upper
77	32.5	0.0	86.4





#73

Bromobenzene

Concen: 20.055 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

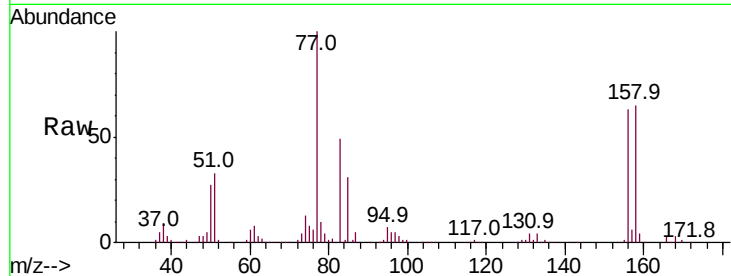
Tot Ion:156 Resp: 44927

Ion Ratio Lower Upper

156 100

77 167.6 0.0 335.6

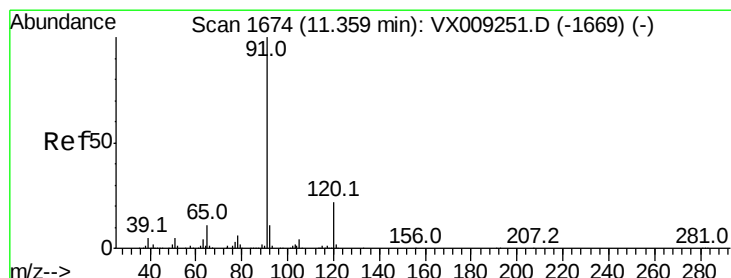
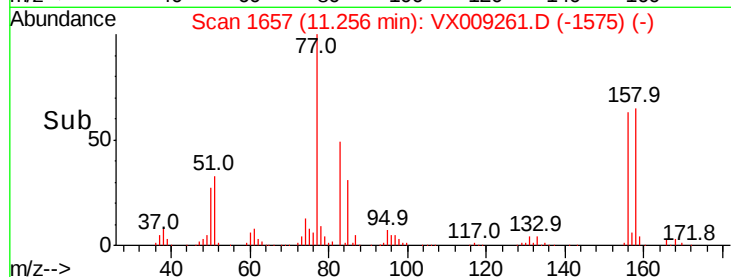
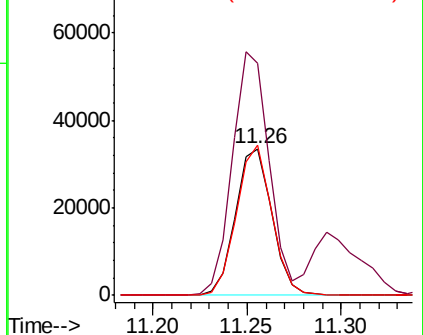
158 99.3 0.0 191.2



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: 20.350 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009261.D

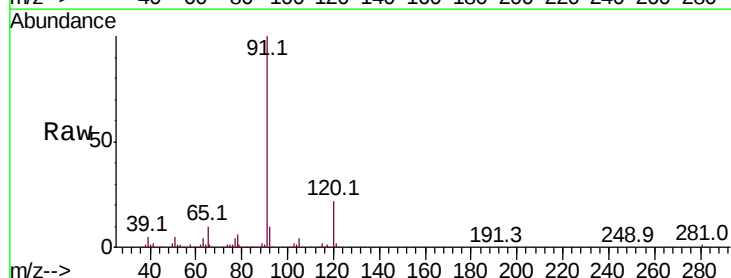
Acq: 01 May 2019 18:01

Tgt Ion: 91 Resp: 213810

Ion Ratio Lower Upper

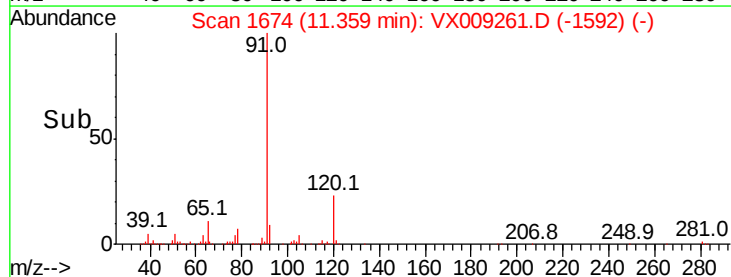
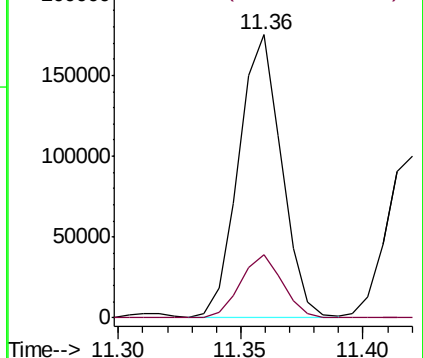
91 100

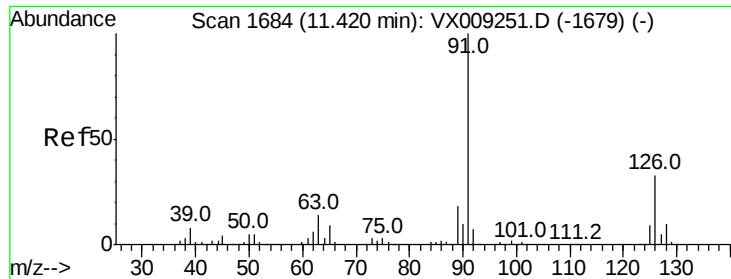
120 21.9 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.334 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

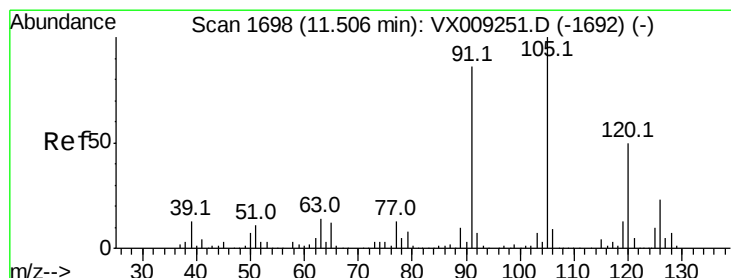
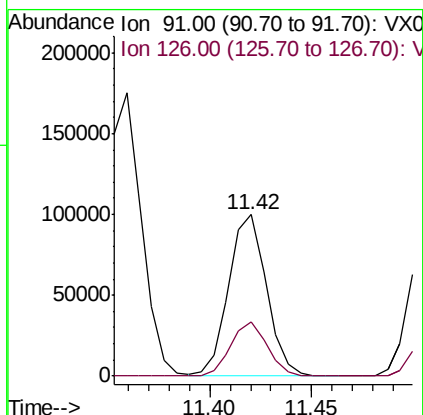
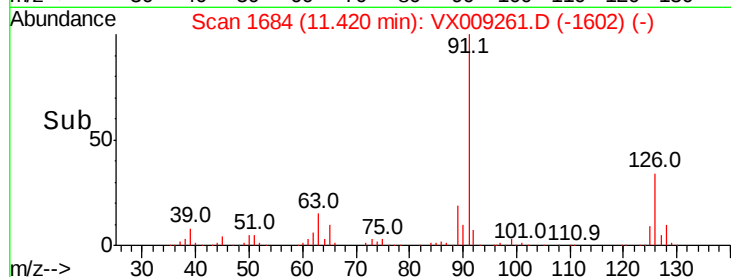
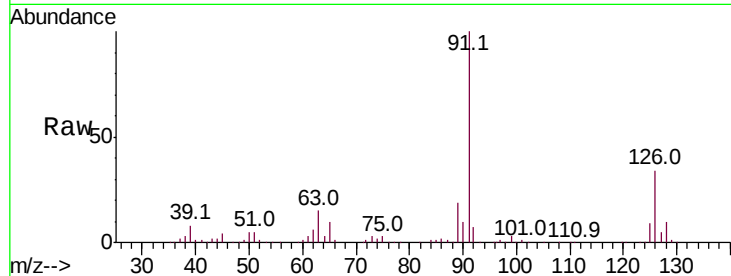
VX0501WBS01

Tot Ion: 91 Resp: 128142

Ion Ratio Lower Upper

91 100

126 32.6 0.0 64.0



#76

1,3,5-Trimethylbenzene

Concen: 20.428 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009261.D

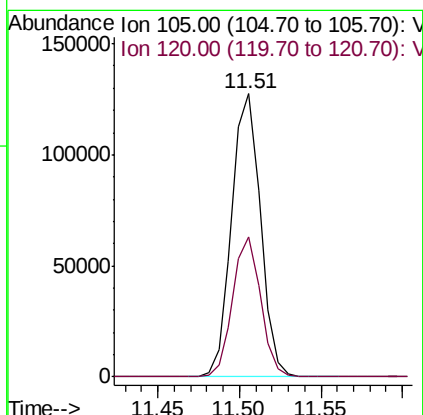
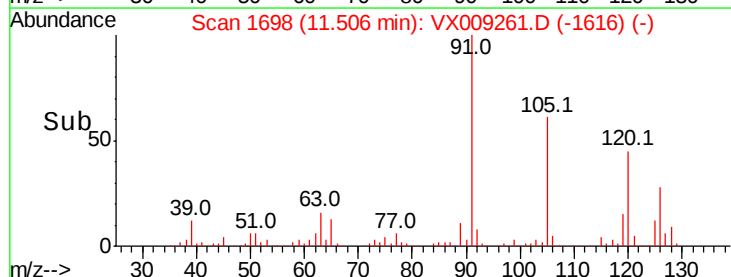
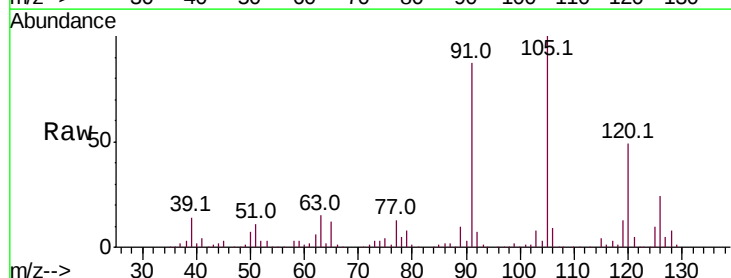
Acq: 01 May 2019 18:01

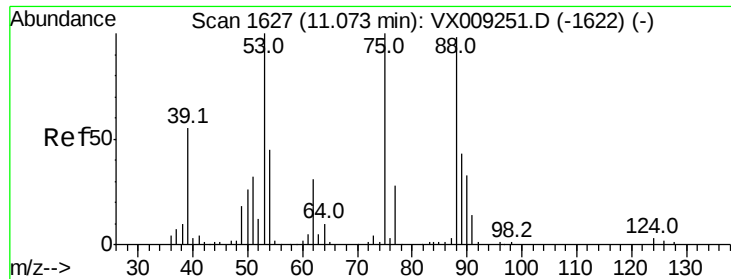
Tgt Ion:105 Resp: 156892

Ion Ratio Lower Upper

105 100

120 47.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.344 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS01

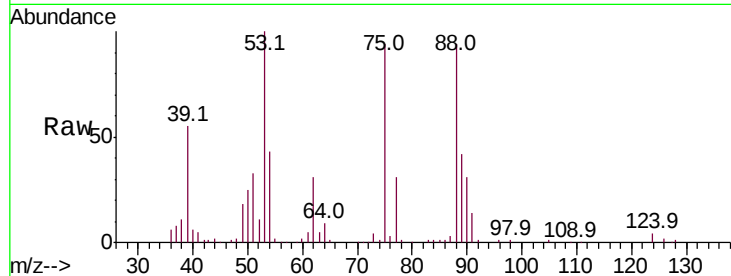
Tot Ion: 75 Resp: 21173

Ion Ratio Lower Upper

75 100

53 106.0 50.0 149.8

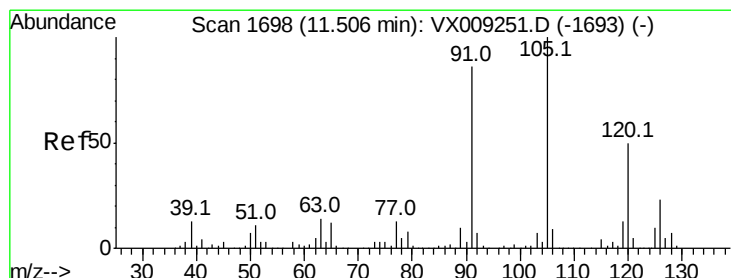
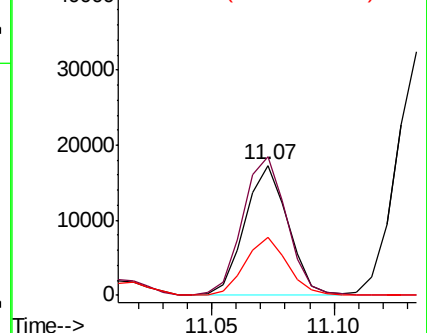
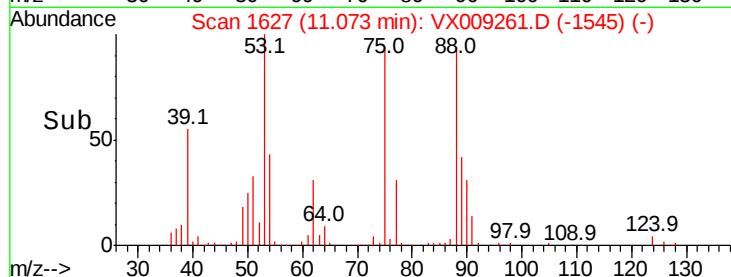
89 45.4 21.6 65.0



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: 20.042 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009261.D

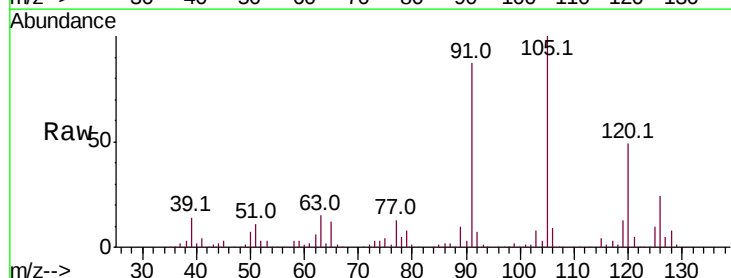
Acq: 01 May 2019 18:01

Tgt Ion: 91 Resp: 143451

Ion Ratio Lower Upper

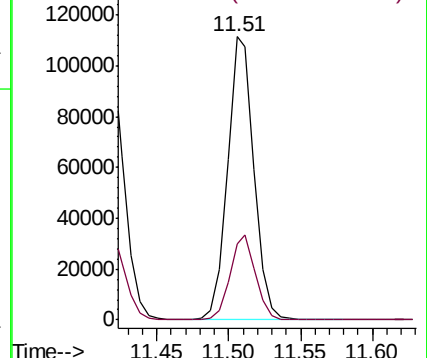
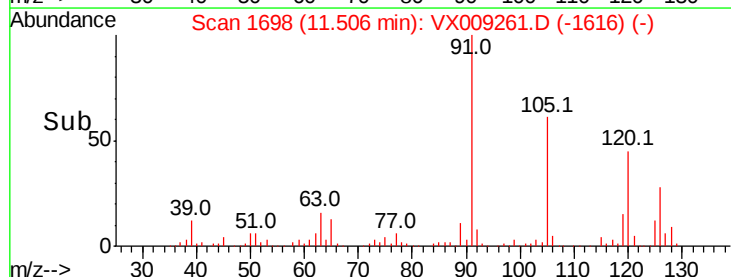
91 100

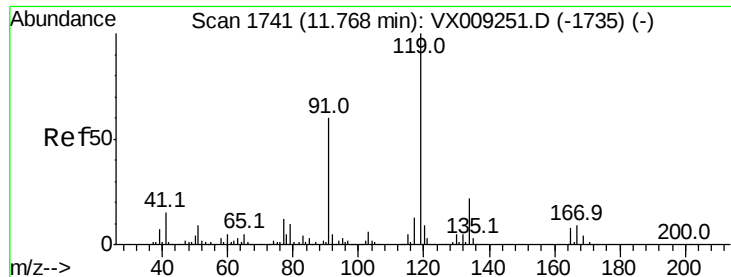
126 29.0 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.476 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

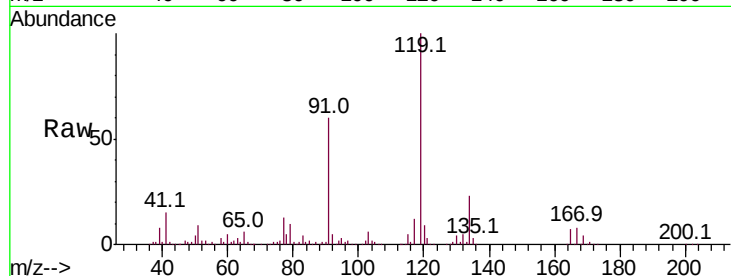
Tot Ion:119 Resp: 152028

Ion Ratio Lower Upper

119 100

91 59.1 0.0 118.2

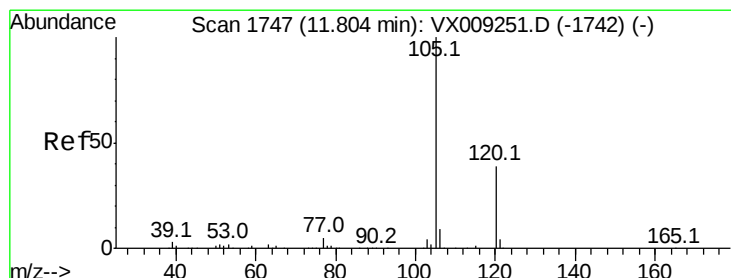
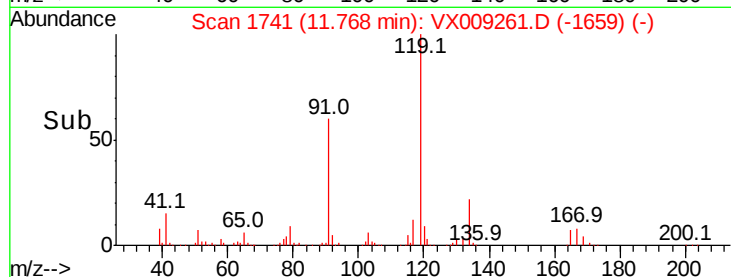
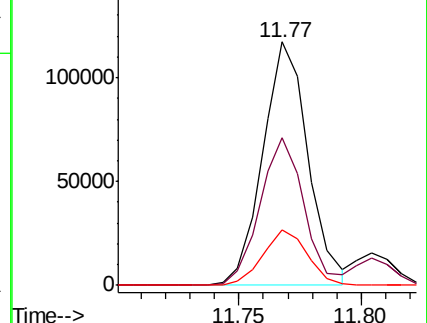
134 22.4 0.0 45.0



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: 20.525 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009261.D

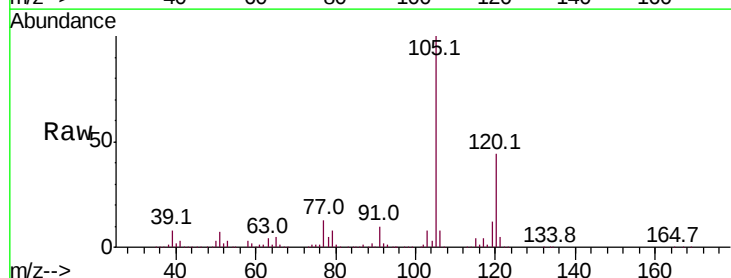
Acq: 01 May 2019 18:01

Tgt Ion:105 Resp: 157994

Ion Ratio Lower Upper

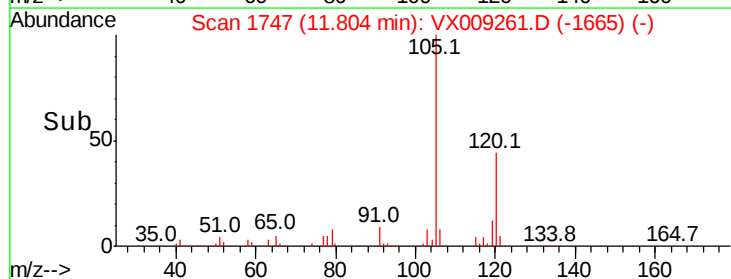
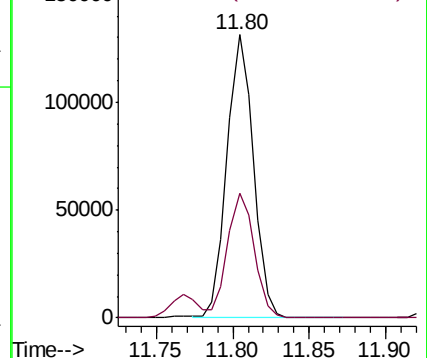
105 100

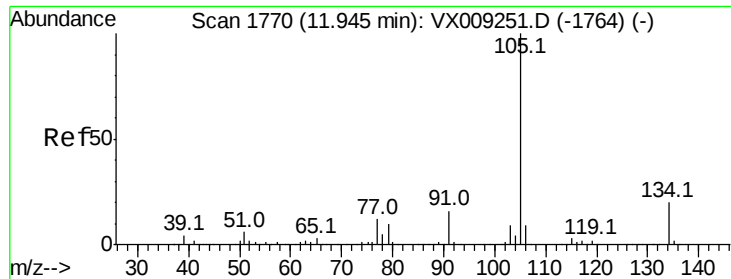
120 43.9 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

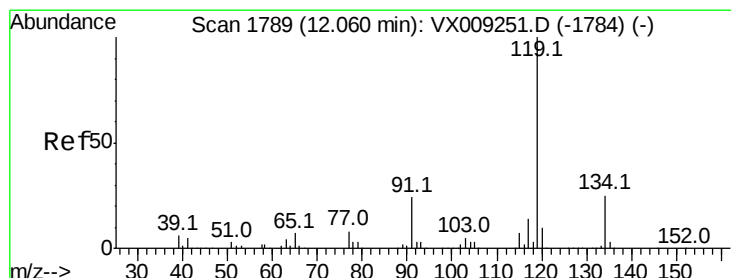
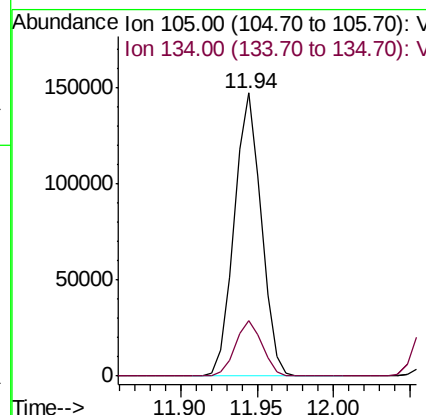
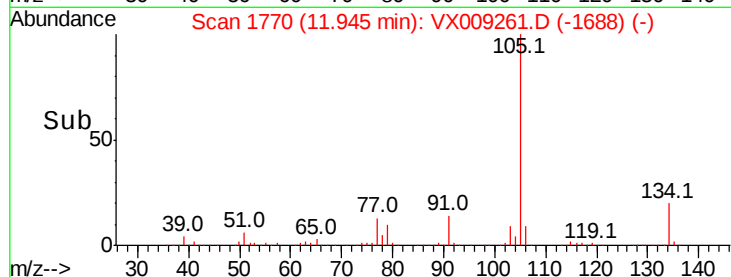
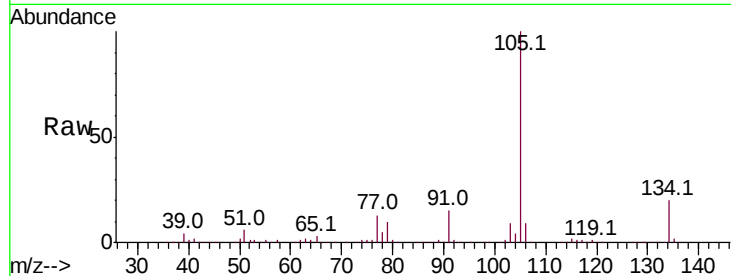




#81
 sec-Butylbenzene
 Concen: 20.377 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

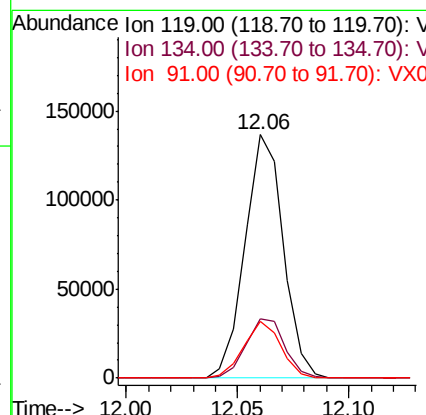
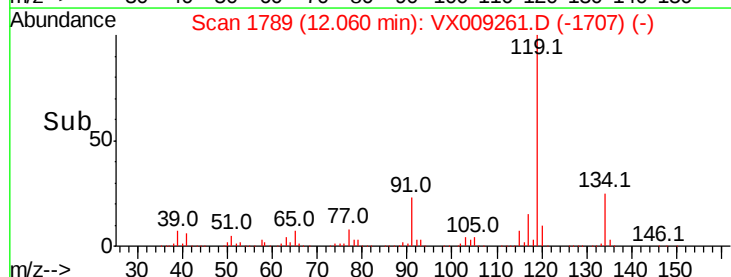
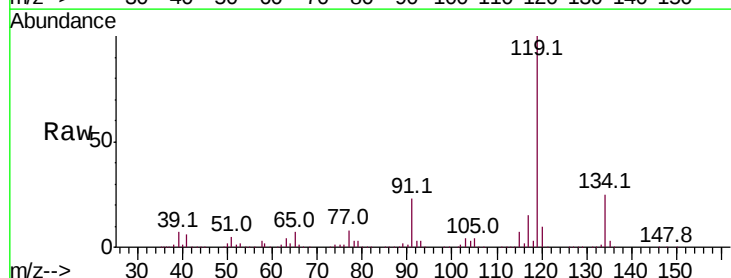
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

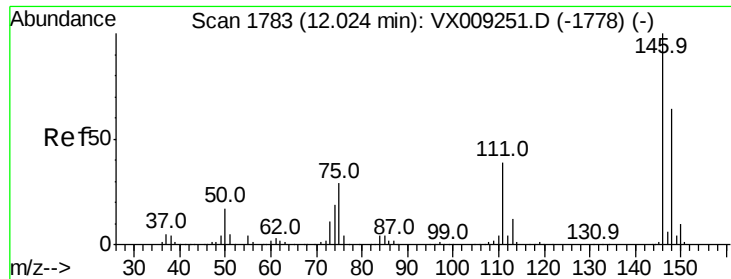
Tot Ion:105 Resp: 179743
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 20.464 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion:119 Resp: 164202
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 50.8
 91 22.9 0.0 47.2

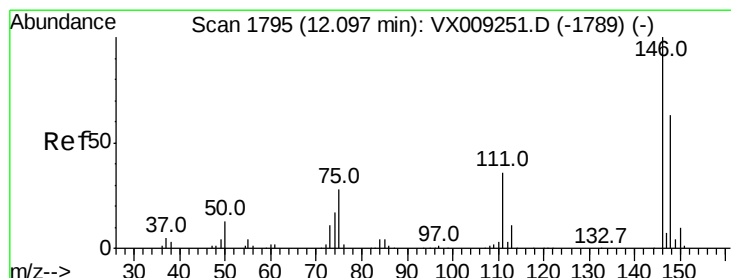
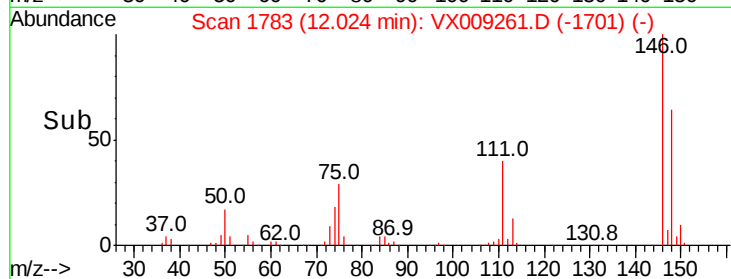
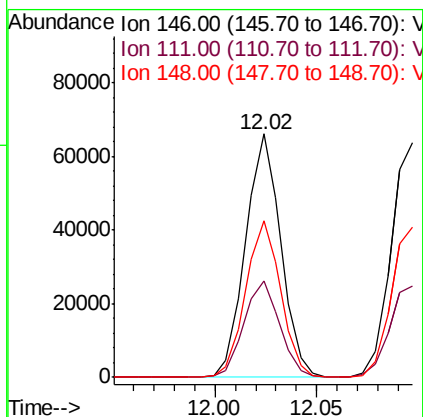
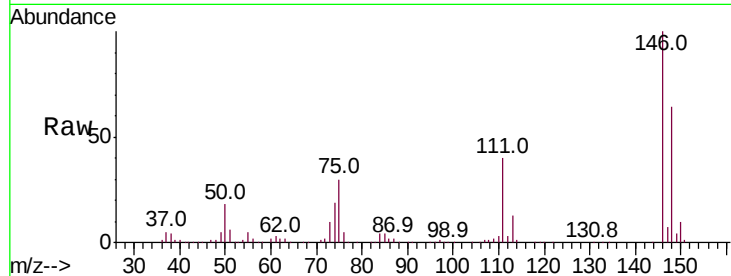




#83
 1,3-Dichlorobenzene
 Concen: 19.933 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

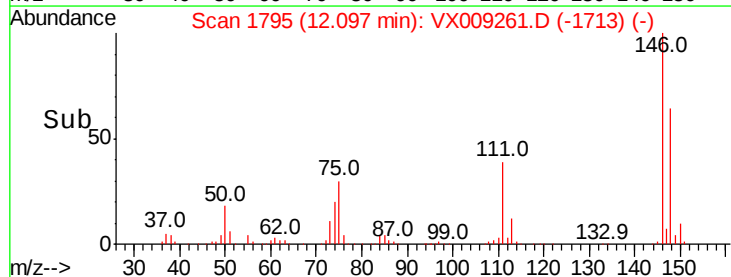
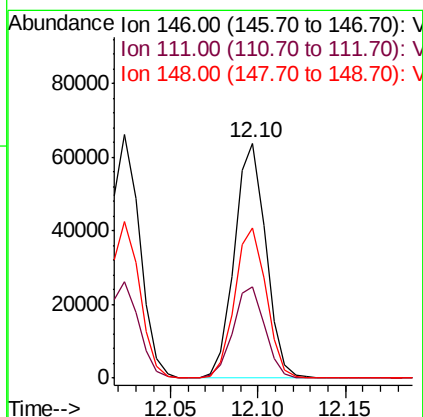
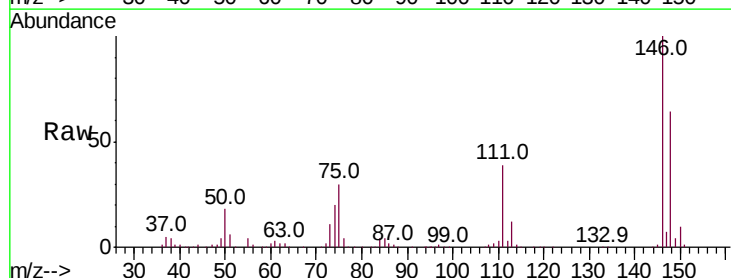
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

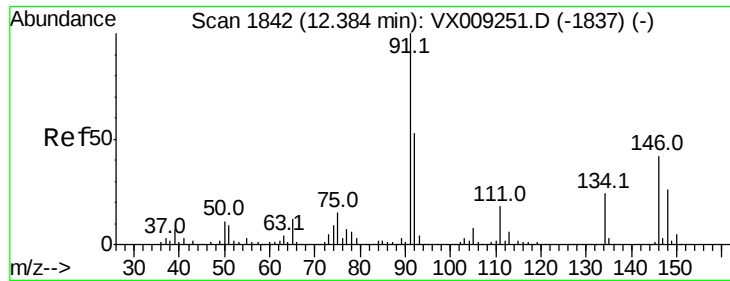
Tot Ion:146 Resp: 79744
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 60.0
 148 64.1 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 20.033 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion:146 Resp: 79849
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.7
 148 64.1 32.3 96.8





#85

n-Butylbenzene

Concen: 19.649 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS01

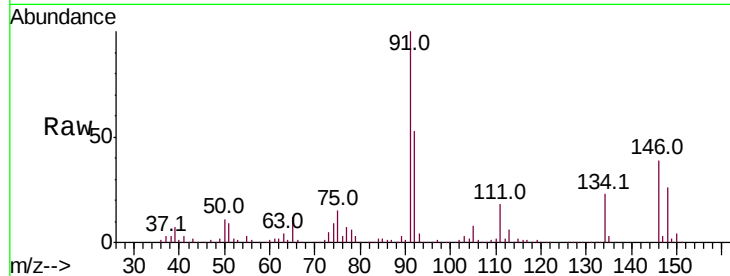
Tot Ion: 91 Resp: 144268

Ion Ratio Lower Upper

91 100

92 52.9 0.0 106.6

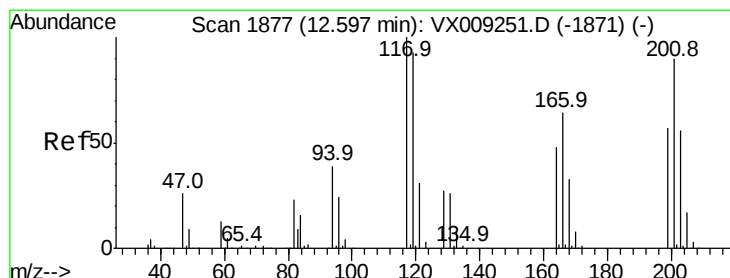
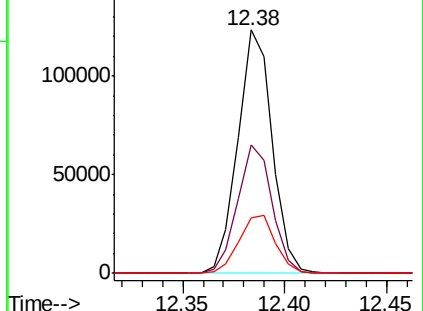
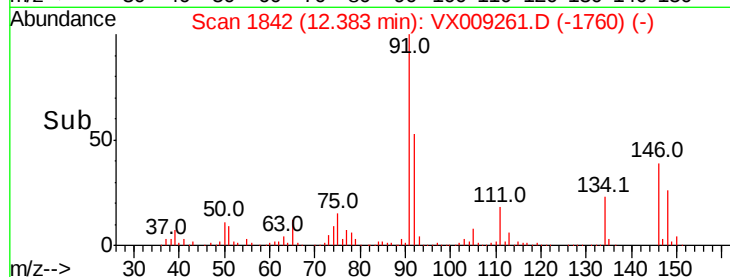
134 25.1 0.0 50.0



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX009251.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX009251.D (-1837) (-)



#86

Hexachloroethane

Concen: 19.483 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009261.D

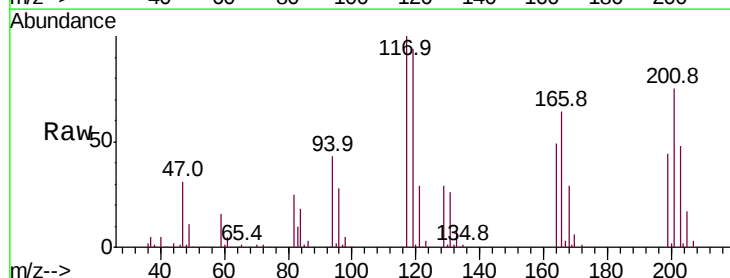
Acq: 01 May 2019 18:01

Tgt Ion: 117 Resp: 26602

Ion Ratio Lower Upper

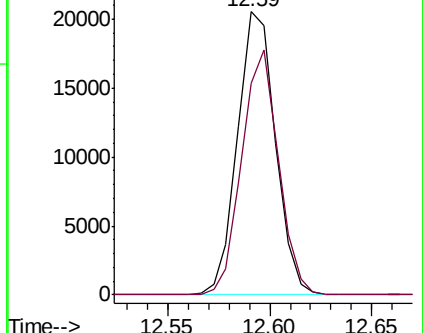
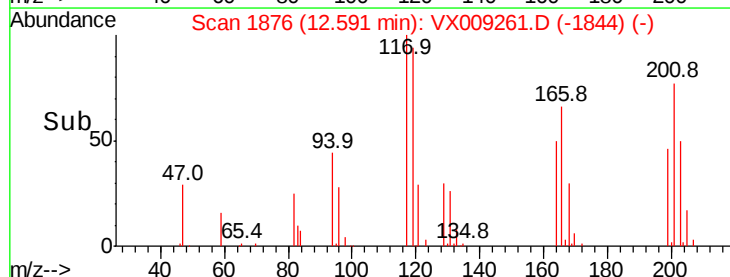
117 100

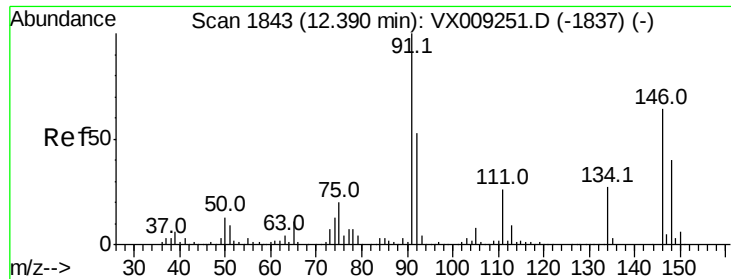
201 83.8 41.8 125.4



Abundance Ion 117.00 (116.70 to 117.70): VX009251.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX009251.D (-1871) (-)

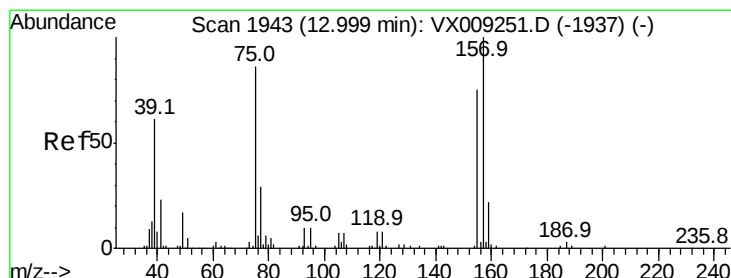
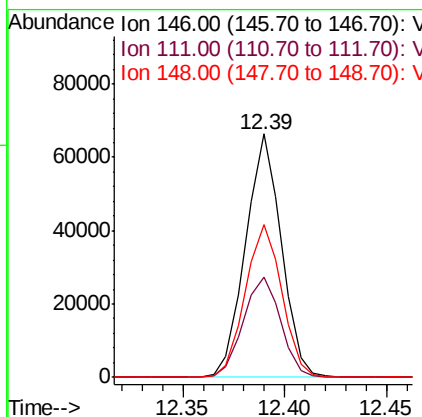
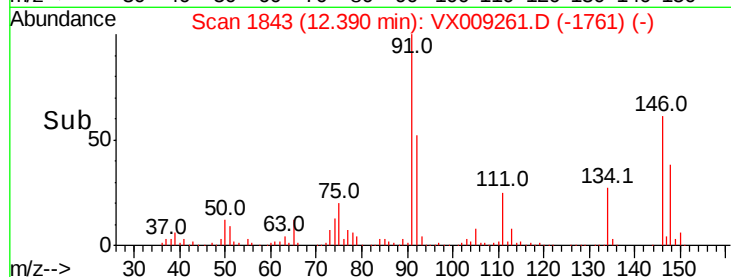
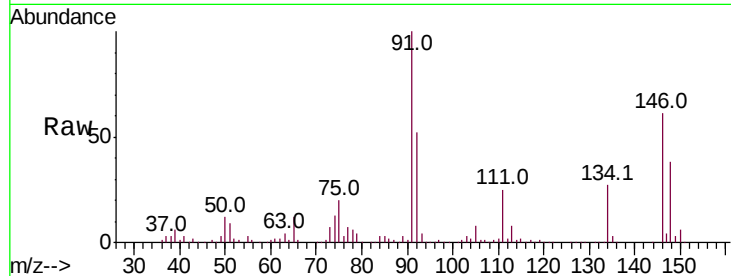




#87
 1,2-Dichlorobenzene
 Concen: 20.132 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

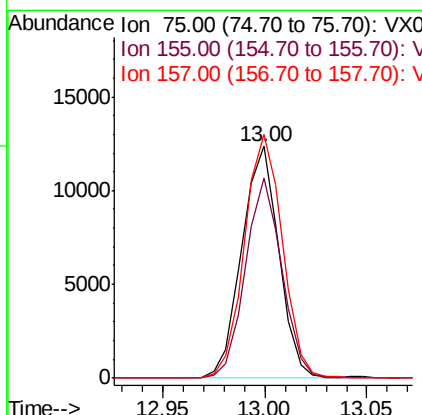
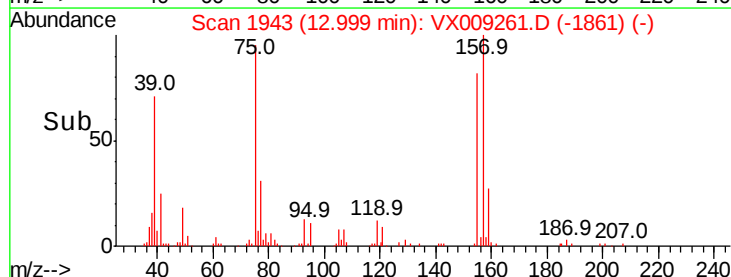
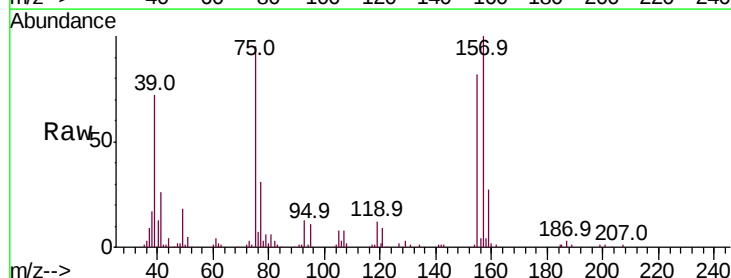
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

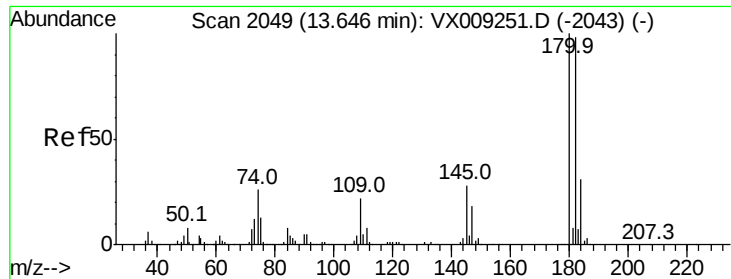
Tot Ion:146 Resp: 81076
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.8 62.2
 148 64.2 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.219 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion: 75 Resp: 15601
 Ion Ratio Lower Upper
 75 100
 155 84.4 65.9 98.9
 157 107.9 85.2 127.8

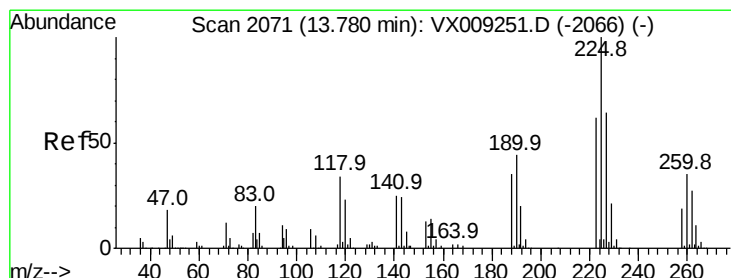
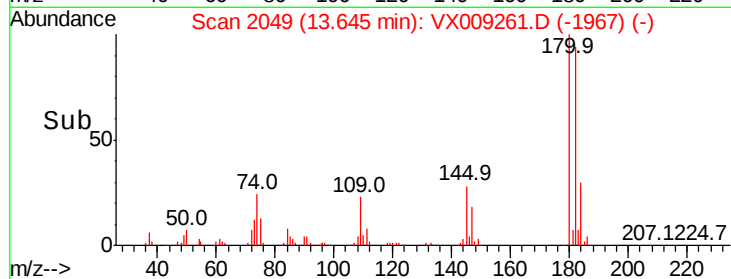
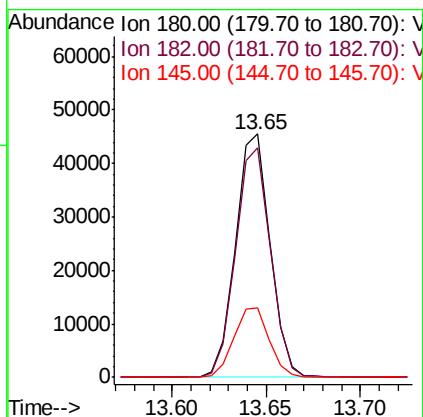
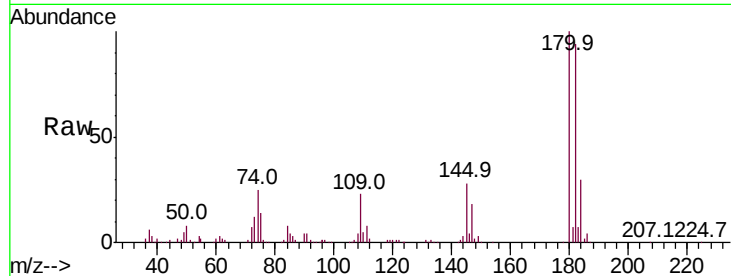




#89
 1,2,4-Trichlorobenzene
 Concen: 20.156 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

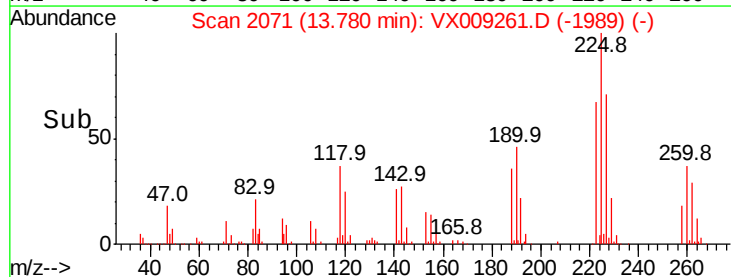
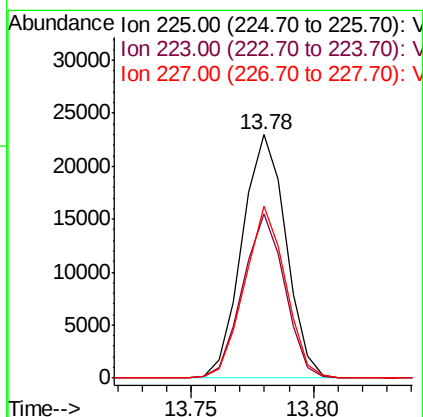
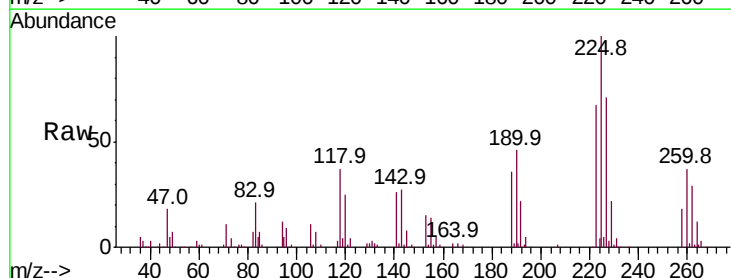
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

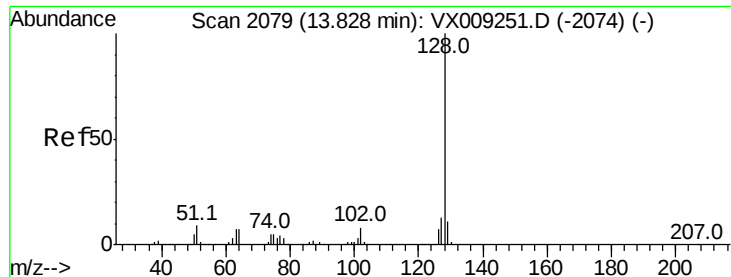
Tot Ion:180 Resp: 57853
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.9 115.3
 145 29.3 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 20.072 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009261.D
 Acq: 01 May 2019 18:01

Tgt Ion:225 Resp: 28779
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 126.6
 227 66.1 0.0 130.0





#91

Naphthalene

Concen: 20.814 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Instrument :

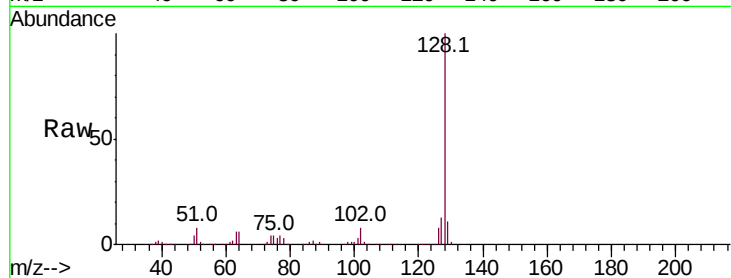
MSVOA_X

ClientSampleId :

VX0501WBS01

Tot Ion:128 Resp: 195606

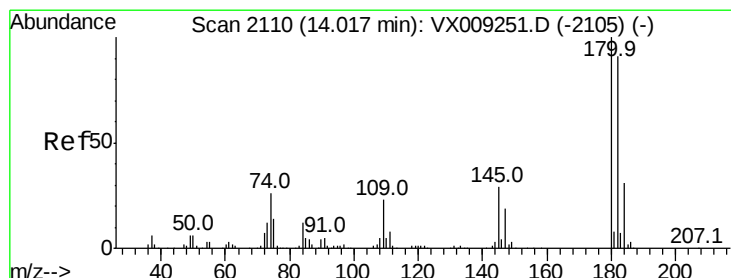
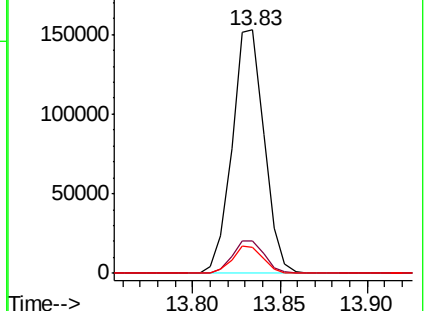
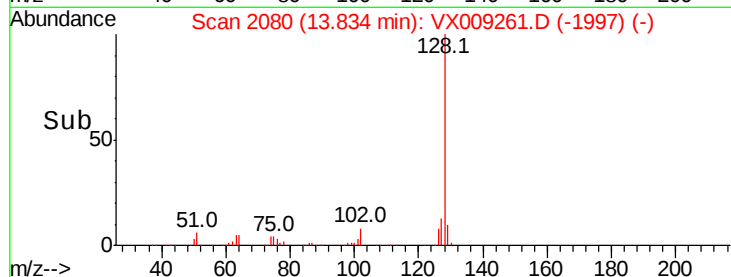
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.929 ug/l

RT: 14.02 min Scan# 2110

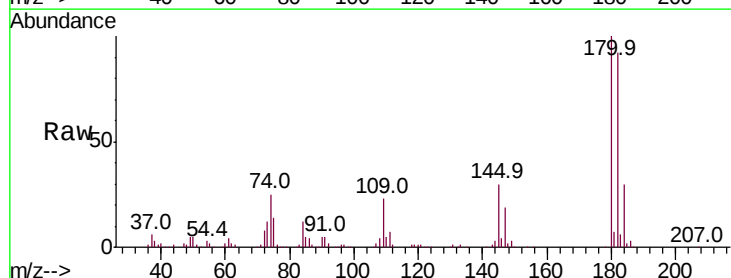
Delta R.T. -0.00 min

Lab File: VX009261.D

Acq: 01 May 2019 18:01

Tgt Ion:180 Resp: 61065

Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	189.0
145	30.3	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

