

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009654.D
 Acq On : 17 May 2019 11:22
 Operator : JC/SP
 Sample : VX0517WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Quant Time: May 18 03:54:36 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	5.02	128	30328	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	171873	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	154701	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75378	29.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.87%
60) 4-Bromofluorobenzene	11.13	95	78917	30.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.07%
63) Toluene-d8	8.71	98	219312	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	23689	14.700	ug/l 97
3) Chloromethane	1.33	50	38845	17.933	ug/l 99
4) Vinyl Chloride	1.41	62	36929	17.089	ug/l 99
5) Bromomethane	1.64	94	24142	17.624	ug/l 97
6) Chloroethane	1.72	64	23755	16.762	ug/l 98
7) Trichlorofluoromethane	1.93	101	46521	17.434	ug/l 98
8) Diethyl Ether	2.19	74	22162	17.887	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	28461	17.227	ug/l 99
10) 1,1-Dichloroethene	2.37	96	28606	17.245	ug/l 94
11) Methyl Iodide	2.51	142	31813	17.642	ug/l 97
12) Methyl Acetate	2.78	43	57072	18.266	ug/l 97
13) Acrolein	2.29	56	47266	110.295	ug/l 99
14) Acrylonitrile	3.14	53	127850	94.286	ug/l 99
15) Acetone	2.45	58	36460	93.651	ug/l 99
16) Carbon Disulfide	2.57	76	73309	16.333	ug/l 100
17) Allyl chloride	2.73	41	71056	17.842	ug/l 98
18) Methylene Chloride	2.85	84	35539	17.727	ug/l 99
19) trans-1,2-Dichloroethene	3.17	96	30912	17.477	ug/l 97
20) Diisopropyl ether	3.86	45	141660	18.063	ug/l 90
21) 1,1-Dichloroethane	3.70	63	67223	17.712	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	37658	17.676	ug/l 96
23) tert-Butyl Alcohol	3.05	59	52617	91.769	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	115973	17.864	ug/l 100
25) Chloroform	5.21	83	62310	17.990	ug/l 98
26) Cyclohexane	5.58	56	60632	17.141	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	46152	18.300	ug/l 98
30) 2-Butanone	4.67	43	194442	98.449	ug/l 99
31) 2,2-Dichloropropane	4.59	77	49910	17.951	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	50174	18.352	ug/l 98
33) Carbon Tetrachloride	5.79	117	41189	18.006	ug/l 99
34) Benzene	6.14	78	143912	18.509	ug/l 100
35) Methacrylonitrile	5.04	41	39213	18.977	ug/l 96
36) 1,2-Dichloroethane	6.20	62	54185	19.206	ug/l 98
37) Trichloroethene	7.21	130	33801	18.059	ug/l 93
38) Methylcyclohexane	7.46	83	53950	17.315	ug/l 99
39) 1,2-Dichloropropane	7.51	63	42386	19.144	ug/l 95
40) Dibromomethane	7.66	93	23916	19.031	ug/l 98

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Quant Time: May 18 03:54:36 2019
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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	47288	18.422	ug/l	98
42) Vinyl Acetate	3.82	43	625123	95.899	ug/l	100
43) Ethyl Acetate	4.83	43	71310	19.981	ug/l	100
44) Isopropyl Acetate	6.45	43	109453	18.931	ug/l	98
45) 1,4-Dioxane	7.74	88	21705	382.379	ug/l	98
46) Methyl methacrylate	7.77	41	55746	19.318	ug/l	96
47) n-amyl Acetate	10.90	43	96503	18.529	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	53026	17.705	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	59844	18.201	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	35823	18.606	ug/l	95
51) Ethyl methacrylate	9.18	69	65289	18.350	ug/l	97
52) 1,3-Dichloropropane	9.37	76	64185	18.784	ug/l	100
53) Dibromochloromethane	9.58	129	34969	18.237	ug/l	99
54) 1,2-Dibromoethane	9.67	107	36848	18.661	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	206628	108.987	ug/l	99
56) Bromoform	10.85	173	26398	17.935	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	371202	97.584	ug/l	99
59) 2-Hexanone	9.49	43	290633	97.411	ug/l	100
61) Tetrachloroethene	9.34	164	31318	18.364	ug/l	93
62) Toluene	8.79	91	153147	18.526	ug/l	100
64) Chlorobenzene	10.13	112	91212	18.334	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	32943	18.084	ug/l	99
66) Ethyl Benzene	10.25	91	168553	18.303	ug/l	97
67) m/p-Xylenes	10.36	106	122628	36.471	ug/l	100
68) o-Xylene	10.69	106	60574	18.322	ug/l	99
69) Styrene	10.71	104	103961	17.913	ug/l	98
70) Isopropylbenzene	11.02	105	163612	18.401	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	62713	19.259	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	72962	26.001	ug/l	81
73) Bromobenzene	11.26	156	40430	18.404	ug/l	98
74) n-propylbenzene	11.36	91	186204	18.072	ug/l	99
75) 2-Chlorotoluene	11.42	91	112953	18.277	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	136470	18.120	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	19120	16.892	ug/l	93
78) 4-Chlorotoluene	11.51	91	125889	17.935	ug/l	100
79) tert-butylbenzene	11.77	119	131423	18.050	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	137507	18.216	ug/l	99
81) sec-Butylbenzene	11.94	105	155735	18.003	ug/l	99
82) p-Isopropyltoluene	12.06	119	141540	17.987	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	70754	18.035	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	70792	18.112	ug/l	99
85) n-Butylbenzene	12.38	91	124760	17.327	ug/l	99
86) Hexachloroethane	12.59	117	23334	17.427	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	72949	18.472	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14235	18.812	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	49393	17.548	ug/l	99
90) Hexachlorobutadiene	13.78	225	25712	18.287	ug/l	99
91) Naphthalene	13.83	128	162334	17.614	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	51716	18.074	ug/l	99

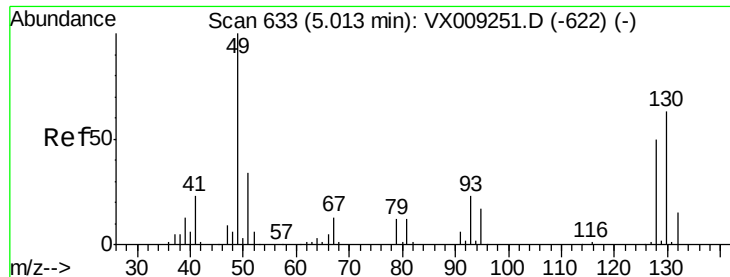
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

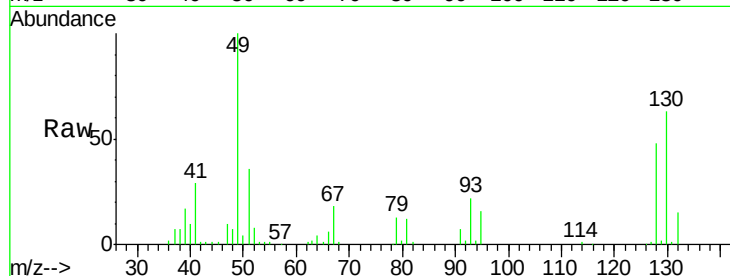
Tot Ion:128 Resp: 30328

Ion Ratio Lower Upper

128 100

49 203.7 0.0 515.0

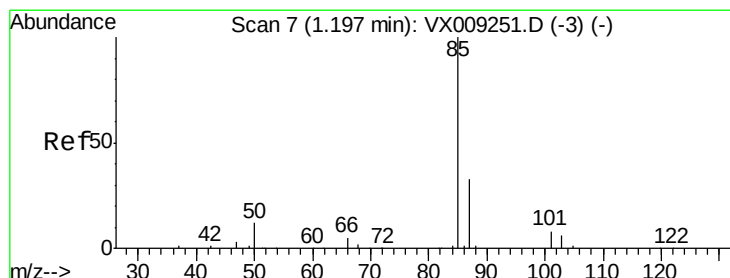
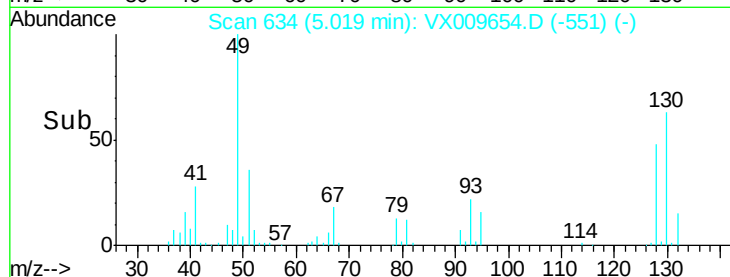
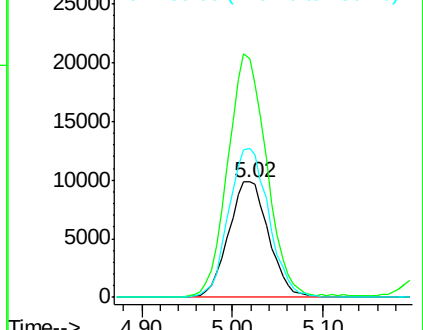
130 127.9 0.0 323.3



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: 14.700 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009654.D

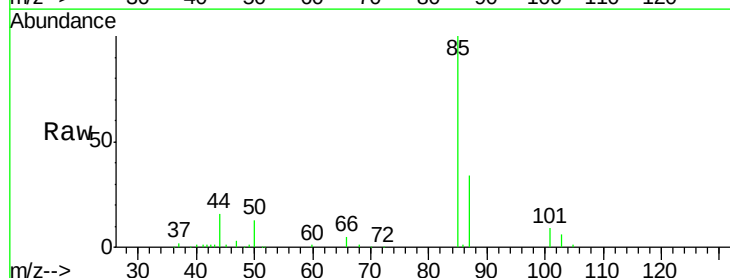
Acq: 17 May 2019 11:22

Tgt Ion: 85 Resp: 23689

Ion Ratio Lower Upper

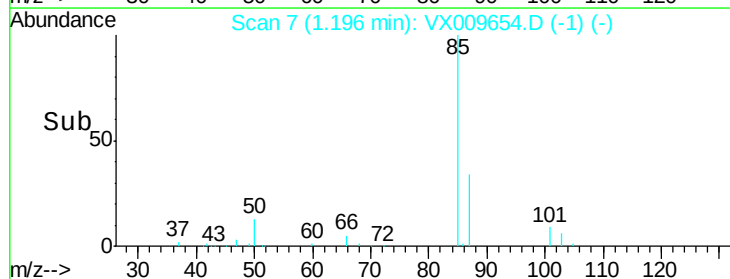
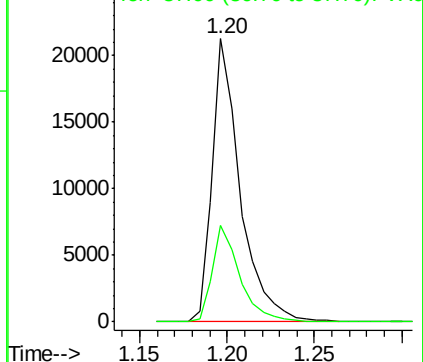
85 100

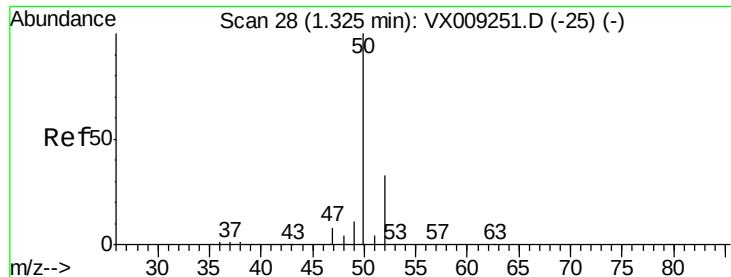
87 34.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.933 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

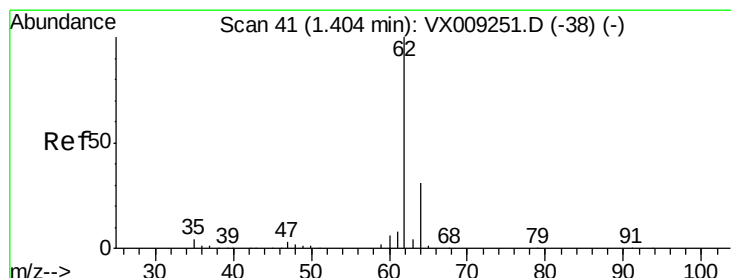
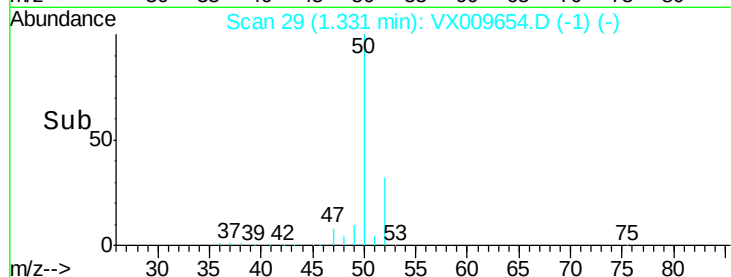
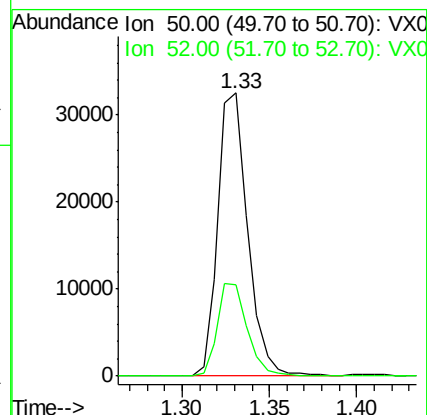
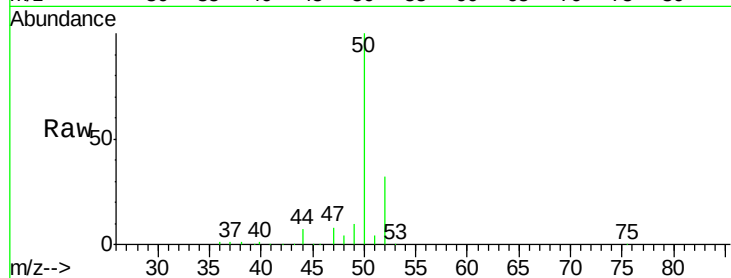
VX0517WBS01

Tot Ion: 50 Resp: 38845

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 17.089 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009654.D

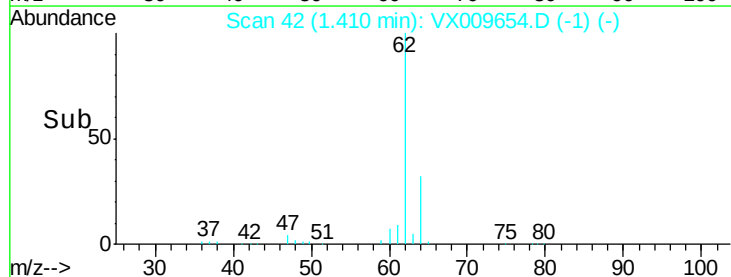
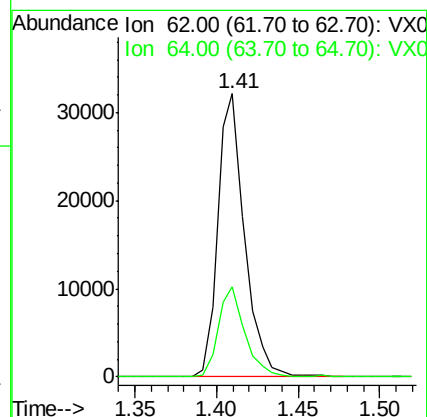
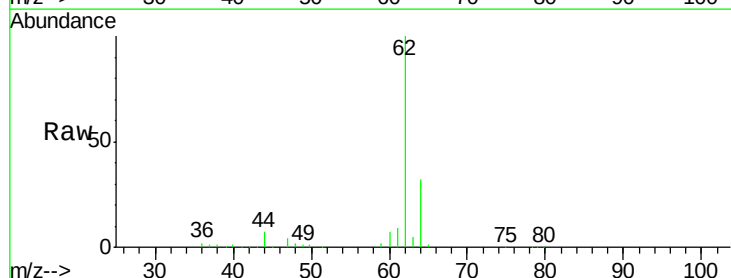
Acq: 17 May 2019 11:22

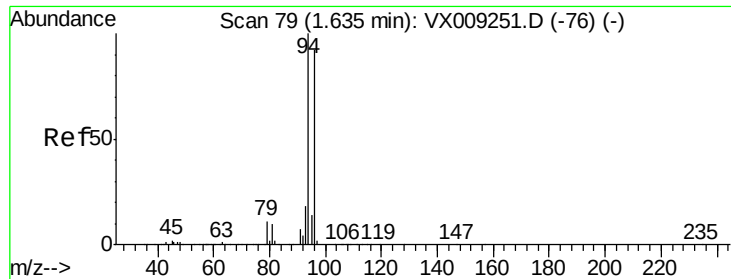
Tgt Ion: 62 Resp: 36929

Ion Ratio Lower Upper

62 100

64 31.5 24.6 36.8





#5

Bromomethane

Concen: 17.624 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

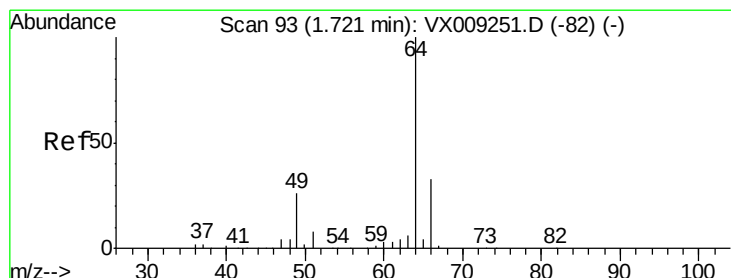
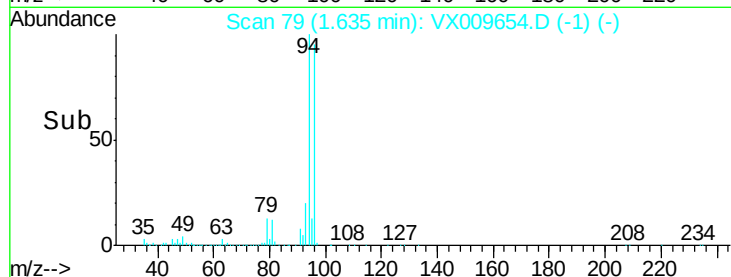
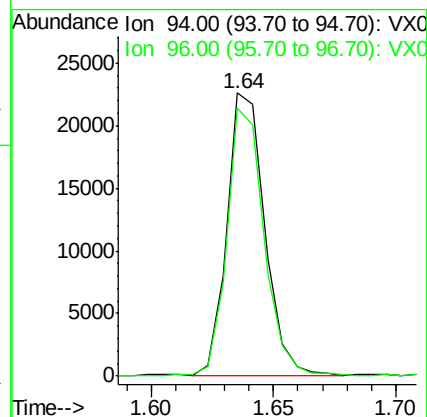
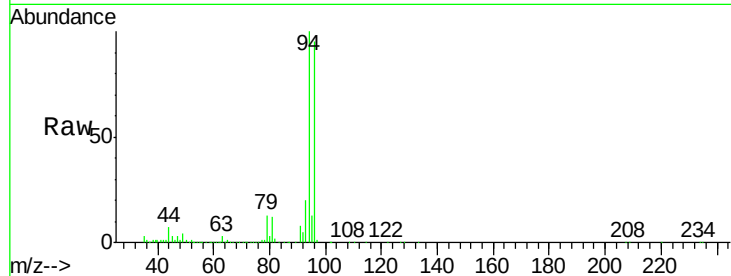
VX0517WBS01

Tot Ion: 94 Resp: 24142

Ion Ratio Lower Upper

94 100

96 94.4 73.5 110.3



#6

Chloroethane

Concen: 16.762 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009654.D

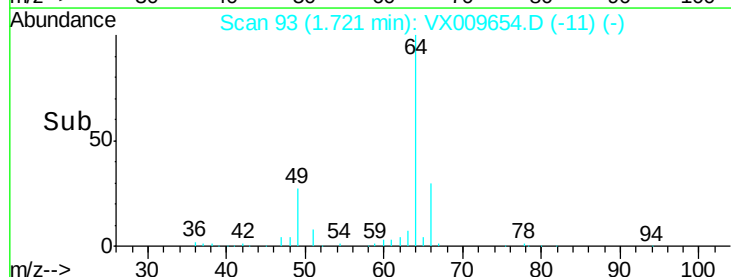
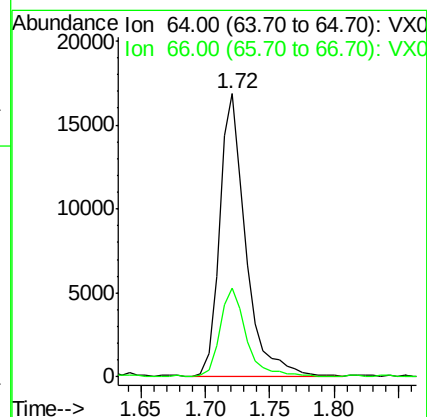
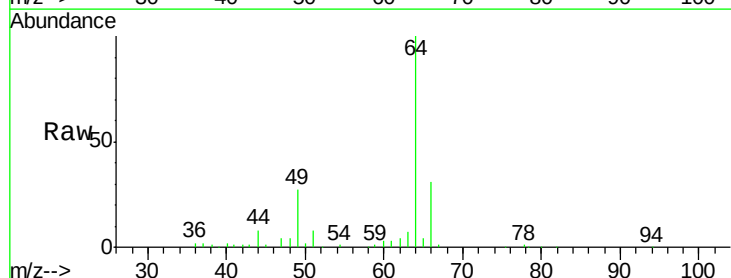
Acq: 17 May 2019 11:22

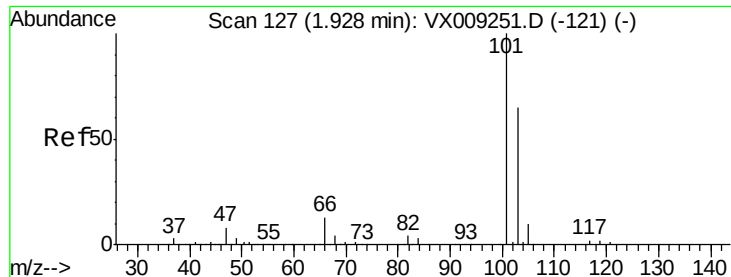
Tgt Ion: 64 Resp: 23755

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9



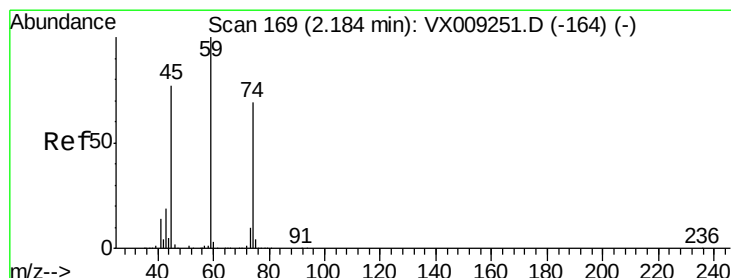
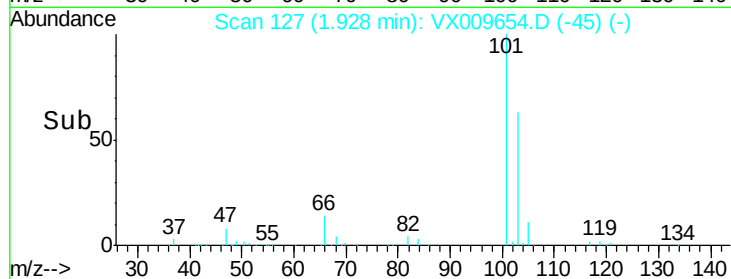
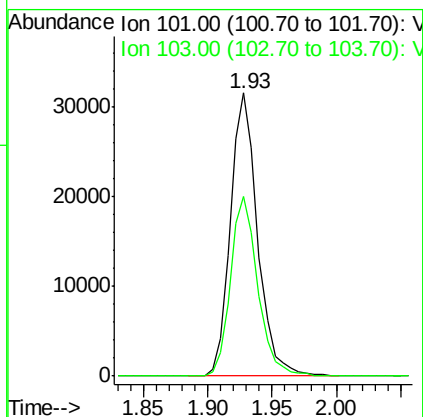
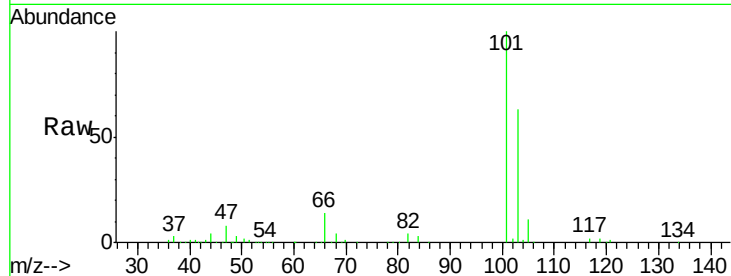


#7

Trichlorofluoromethane
 Concen: 17.434 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

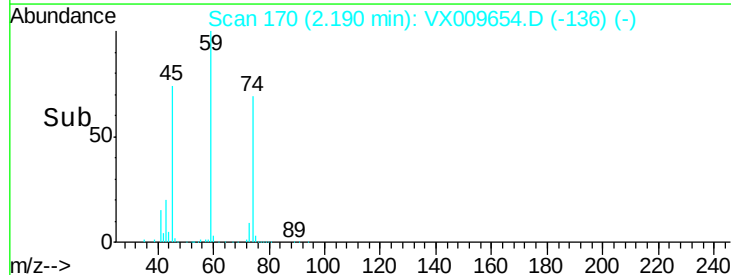
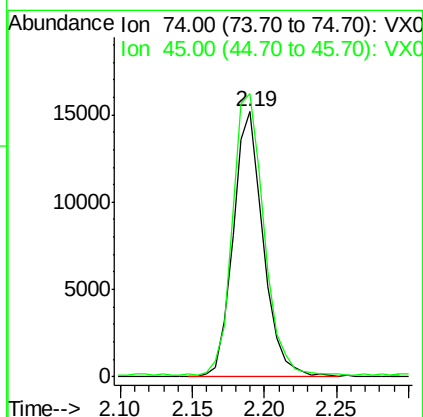
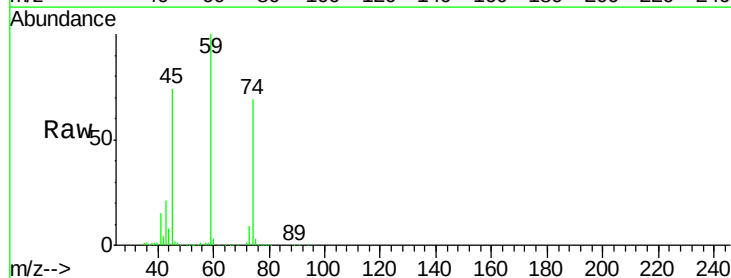
Tot Ion:101 Resp: 46521
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.9 77.9

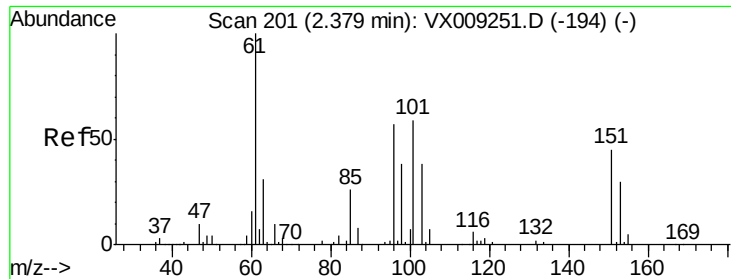


#8

Diethyl Ether
 Concen: 17.887 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion: 74 Resp: 22162
 Ion Ratio Lower Upper
 74 100
 45 110.4 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.227 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

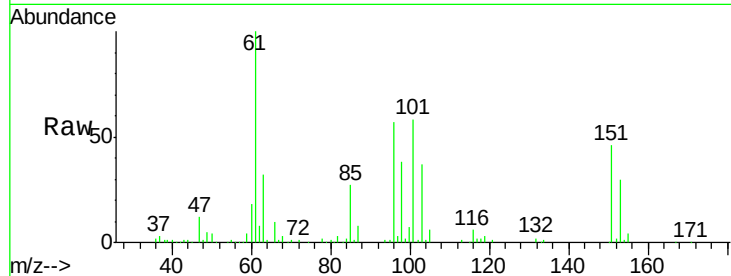
Tot Ion:101 Resp: 28461

Ion Ratio Lower Upper

101 100

85 44.5 0.0 87.4

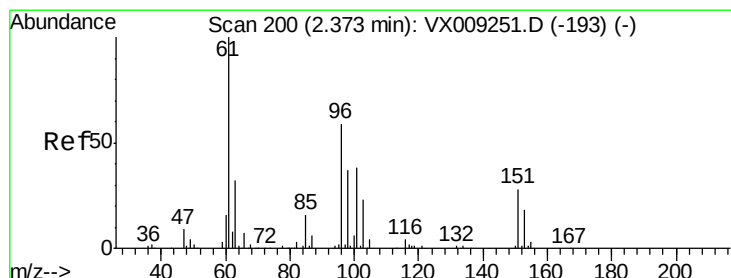
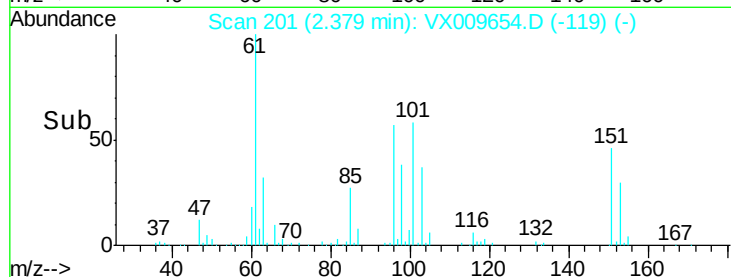
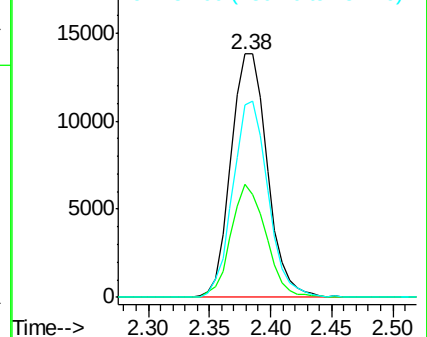
151 77.9 0.0 157.0



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: 17.245 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

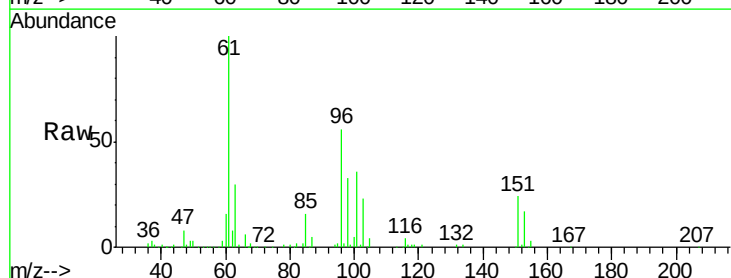
Tgt Ion: 96 Resp: 28606

Ion Ratio Lower Upper

96 100

61 179.2 136.5 204.7

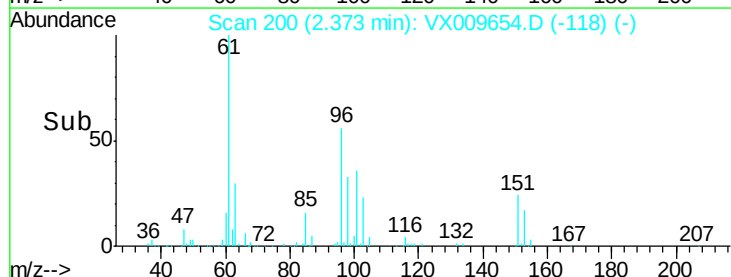
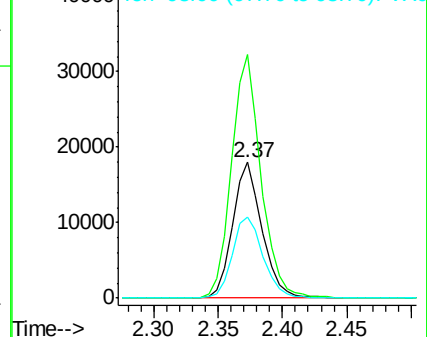
98 59.5 51.0 76.4

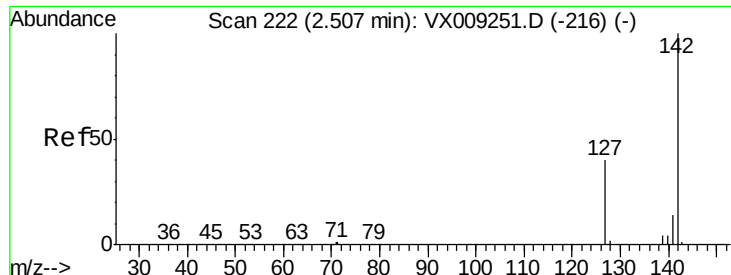


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

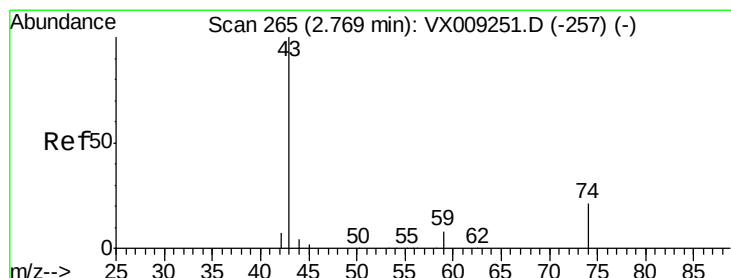
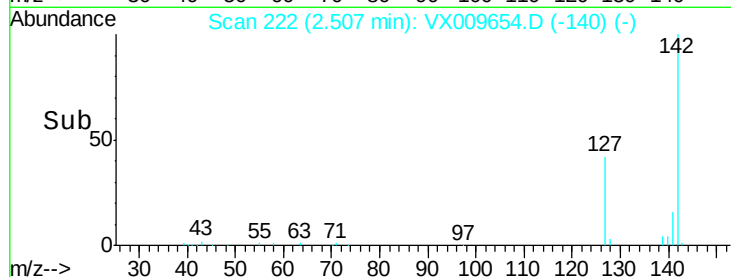
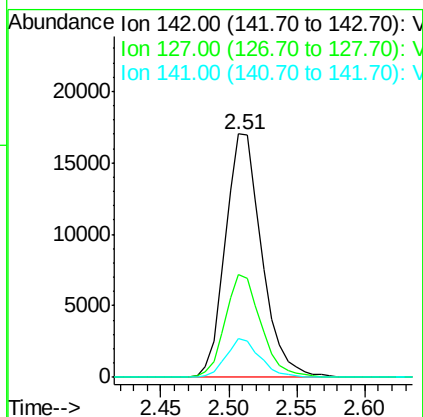
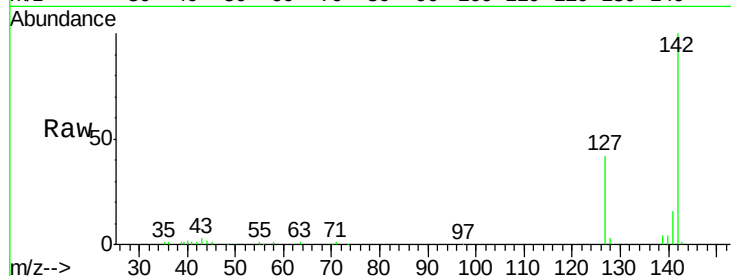




#11
Methvl Iodide
Concen: 17.642 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

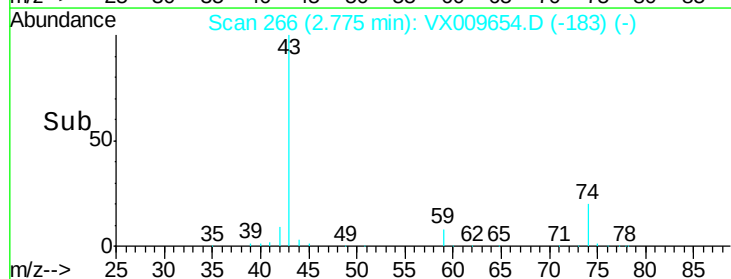
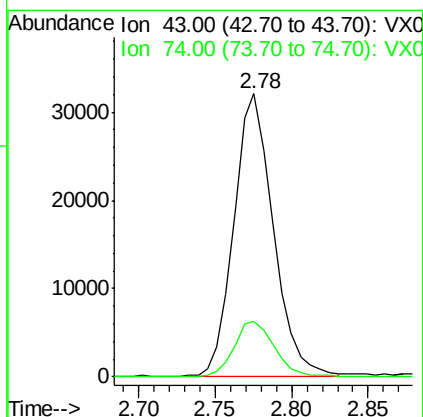
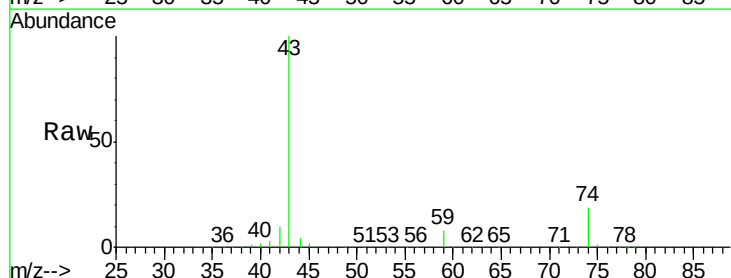
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

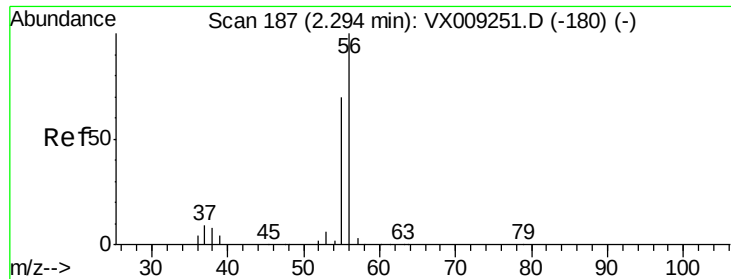
Tot Ion:142 Resp: 31813
Ion Ratio Lower Upper
142 100
127 42.2 20.2 60.5
141 15.7 6.9 20.7



#12
Methyl Acetate
Concen: 18.266 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 43 Resp: 57072
Ion Ratio Lower Upper
43 100
74 19.3 16.5 24.7

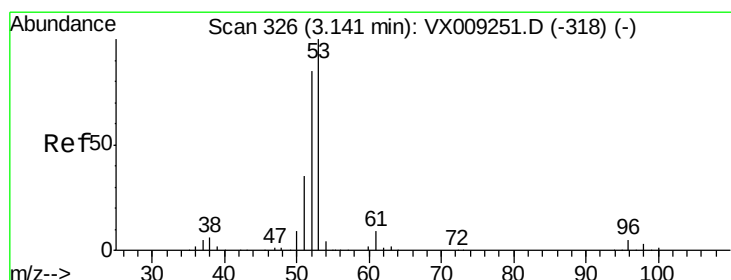
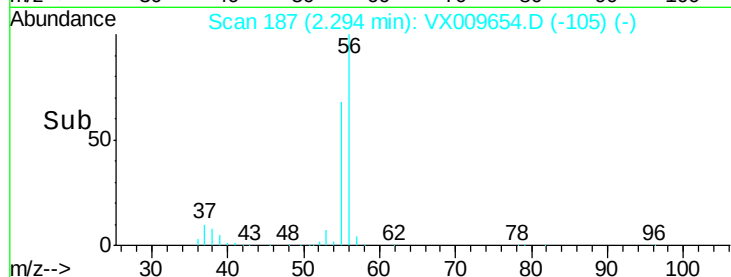
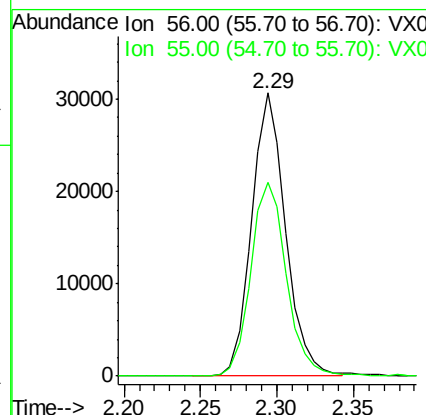
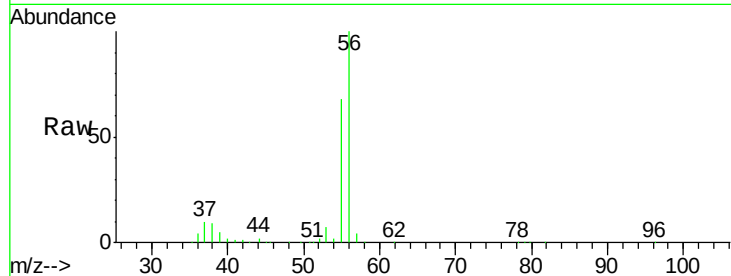




#13
 Acrolein
 Concen: 110.295 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

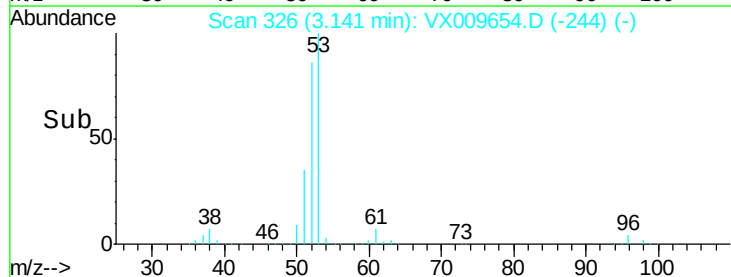
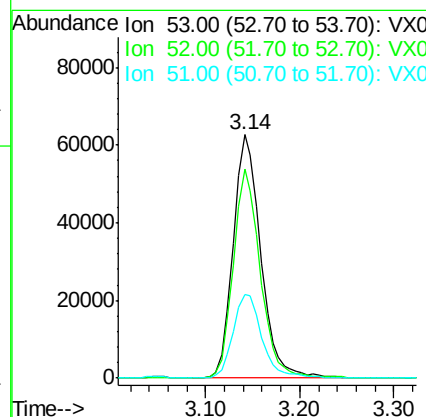
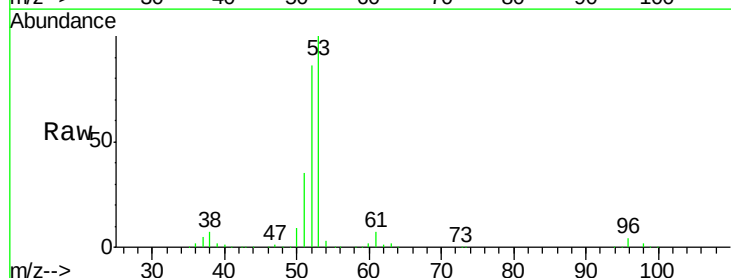
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

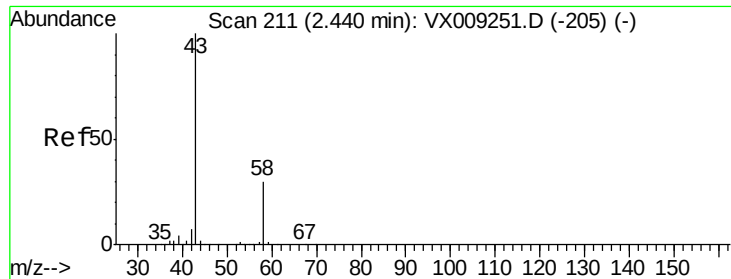
Tot Ion: 56 Resp: 47266
 Ion Ratio Lower Upper
 56 100
 55 72.2 56.9 85.3



#14
 Acrylonitrile
 Concen: 94.286 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion: 53 Resp: 127850
 Ion Ratio Lower Upper
 53 100
 52 84.1 41.5 124.5
 51 36.2 17.8 53.3





#15

Acetone

Concen: 93.651 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

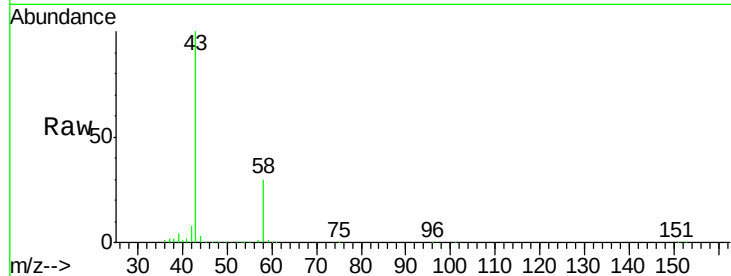
VX0517WBS01

Tot Ion: 58 Resp: 36460

Ion Ratio Lower Upper

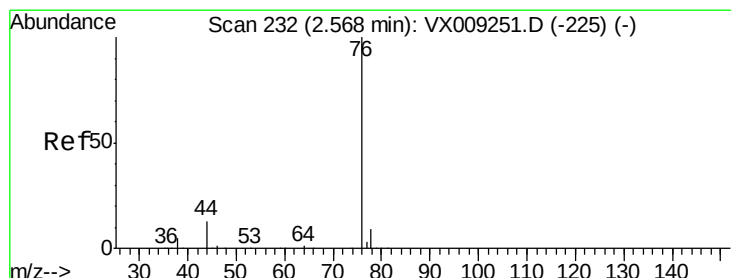
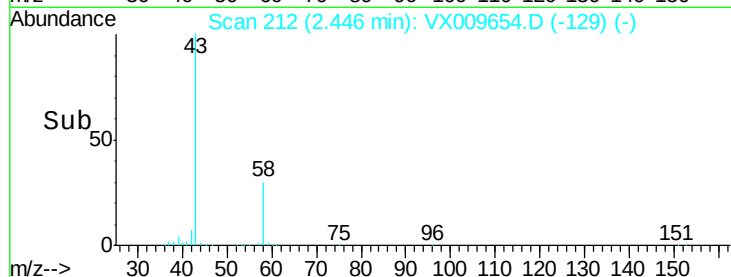
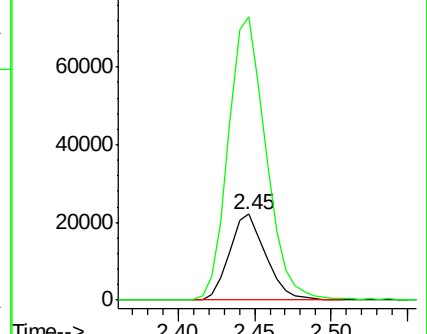
58 100

43 328.9 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 16.333 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009654.D

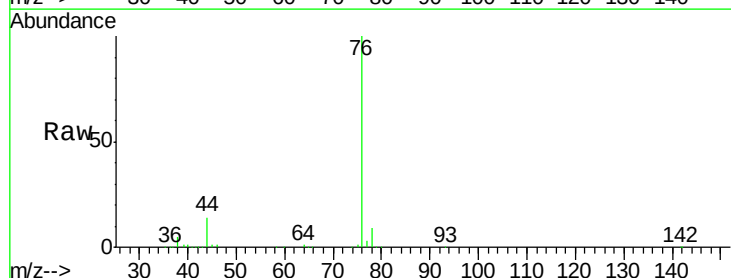
Acq: 17 May 2019 11:22

Tgt Ion: 76 Resp: 73309

Ion Ratio Lower Upper

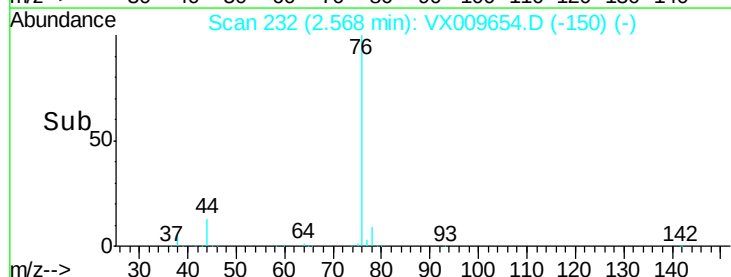
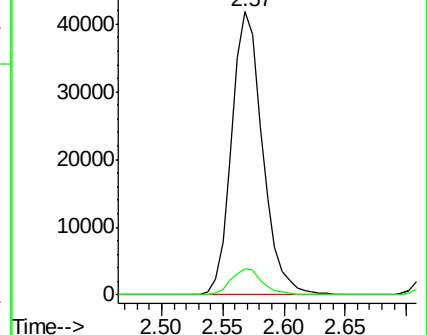
76 100

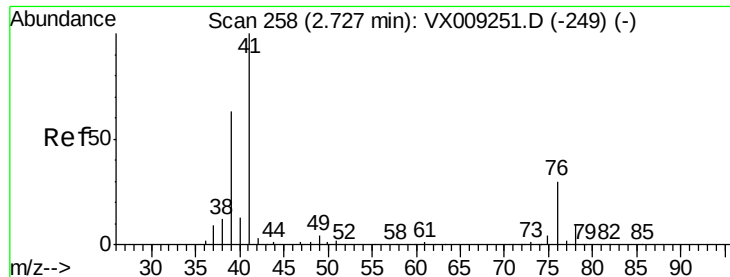
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

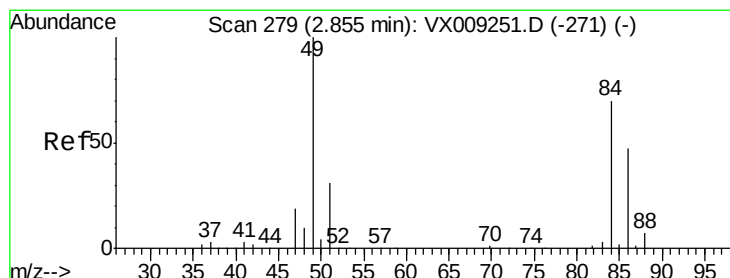
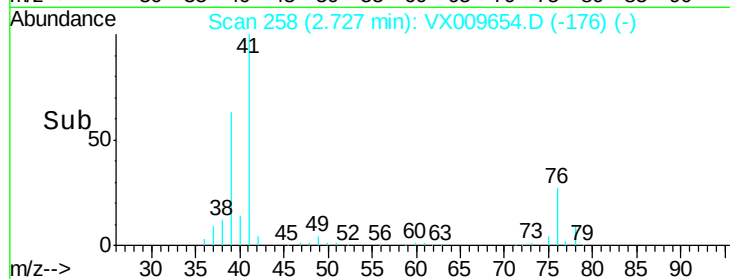
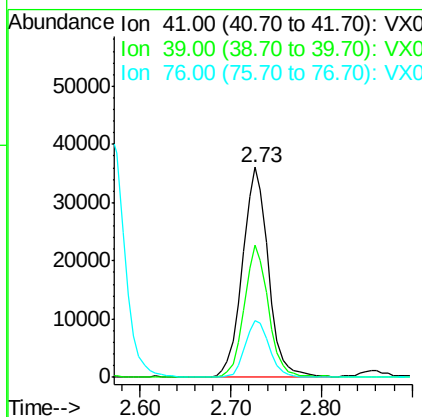
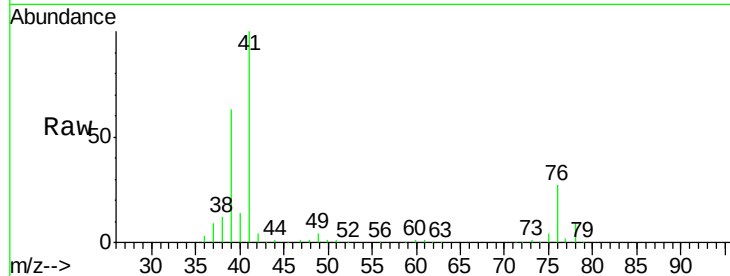




#17
Allvl chloride
Concen: 17.842 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

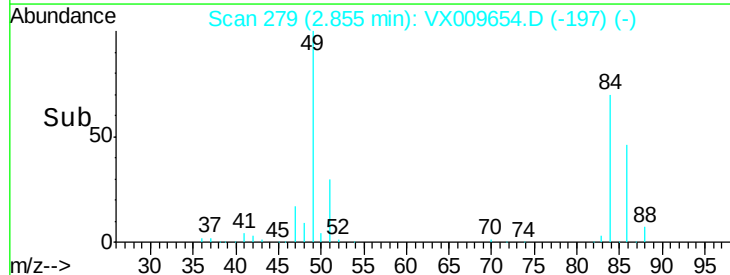
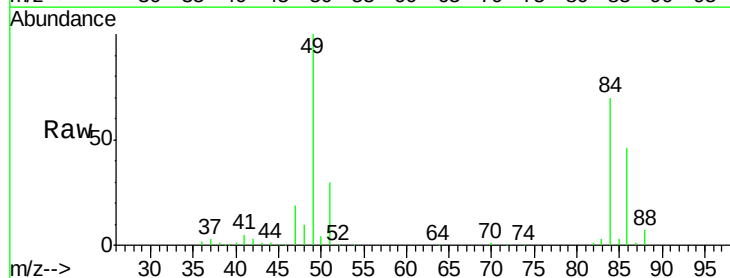
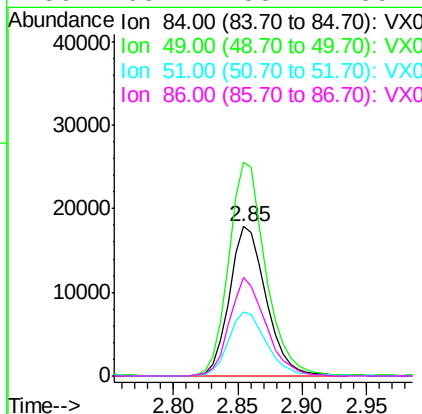
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS01

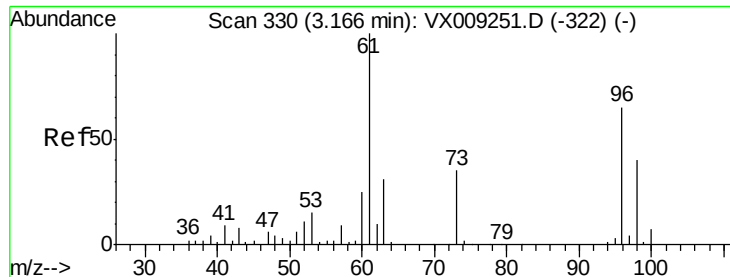
Tot Ion: 41 Resp: 71056
Ion Ratio Lower Upper
41 100
39 62.6 31.6 94.7
76 27.1 15.1 45.3



#18
Methylene Chloride
Concen: 17.727 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 84 Resp: 35539
Ion Ratio Lower Upper
84 100
49 142.3 114.6 171.8
51 42.5 35.5 53.3
86 65.7 53.4 80.2

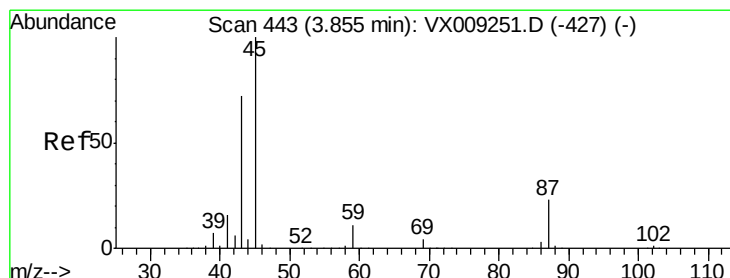
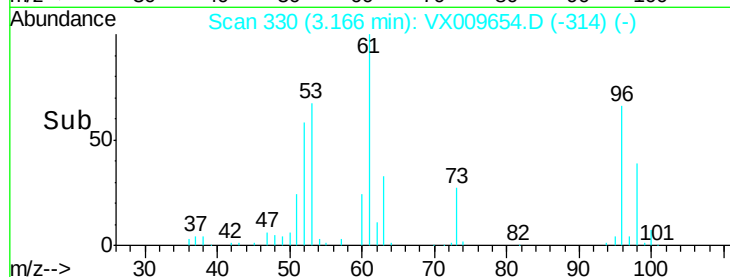
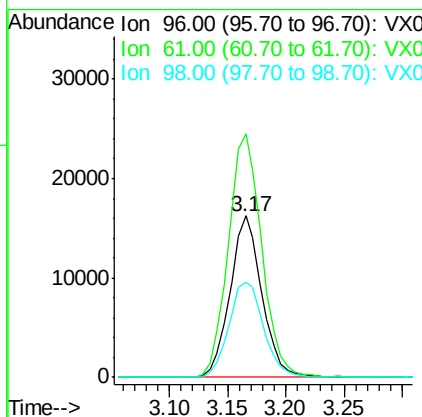
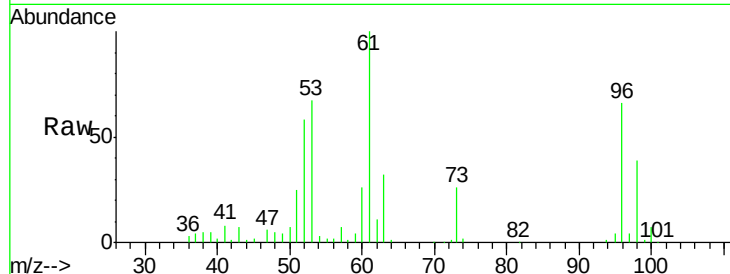




#19
trans-1,2-Dichloroethene
Concen: 17.477 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

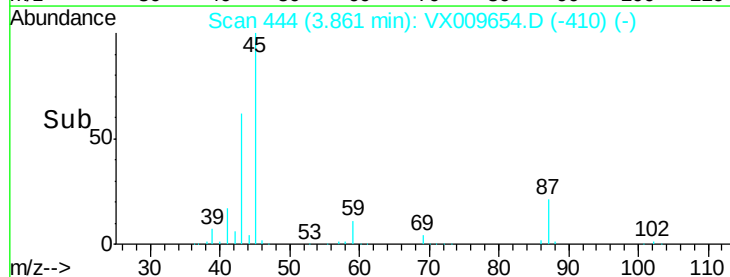
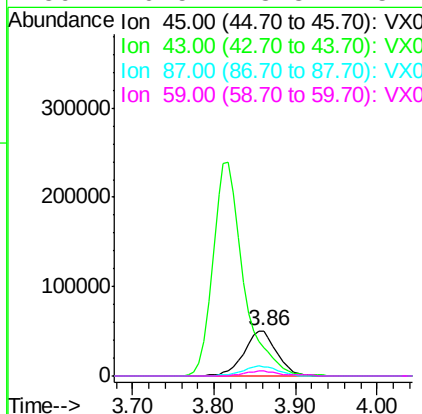
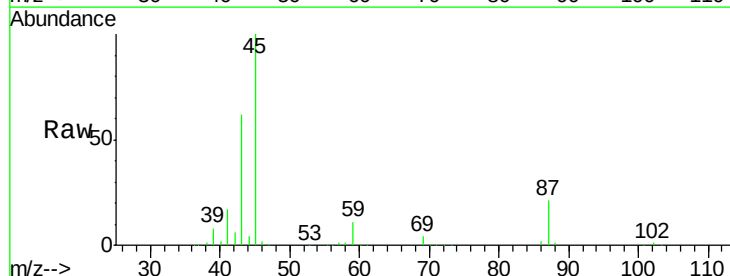
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

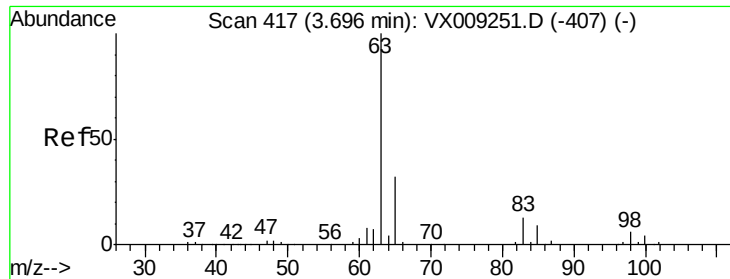
Tot Ion: 96 Resp: 30912
Ion Ratio Lower Upper
96 100
61 150.6 122.7 184.1
98 58.6 49.5 74.3



#20
Diisopropyl ether
Concen: 18.063 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 45 Resp: 141660
Ion Ratio Lower Upper
45 100
43 60.9 57.7 86.5
87 20.7 18.5 27.7
59 10.5 8.8 13.2





#21

1,1-Dichloroethane

Concen: 17.712 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

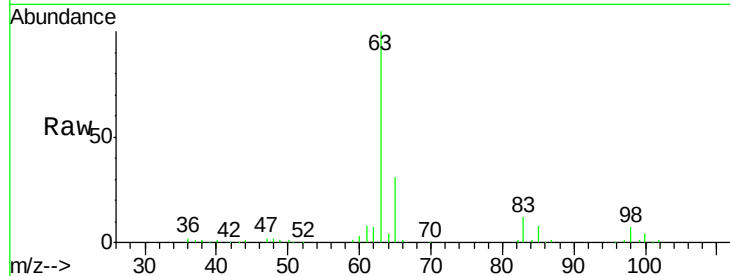
Tot Ion: 63 Resp: 67223

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

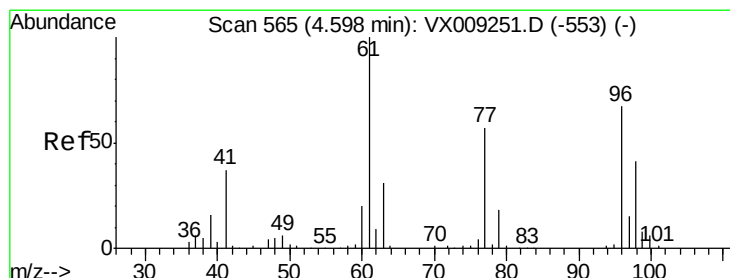
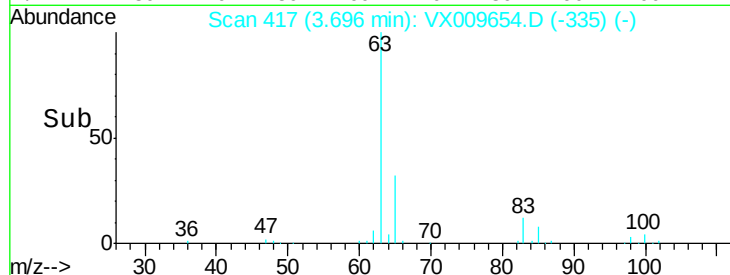
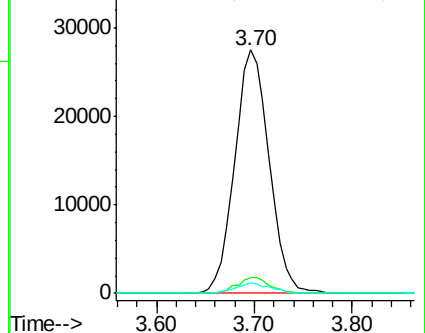
100 4.3 2.2 6.6



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: 17.676 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

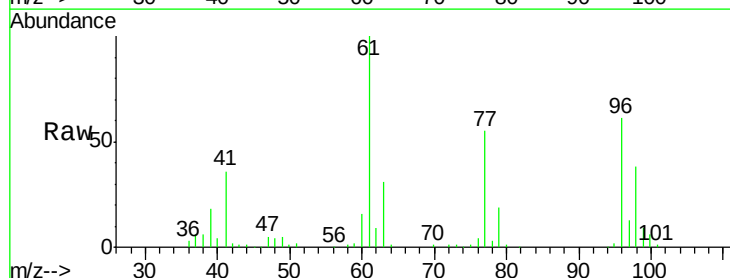
Tgt Ion: 96 Resp: 37658

Ion Ratio Lower Upper

96 100

61 165.4 127.7 191.5

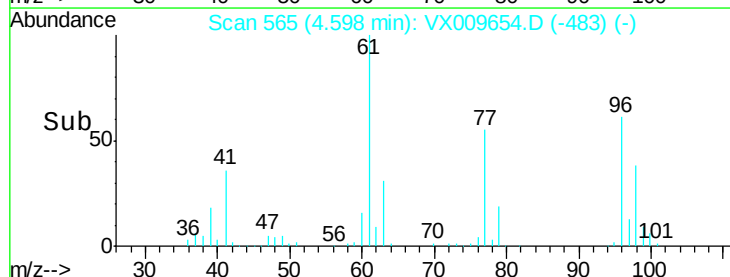
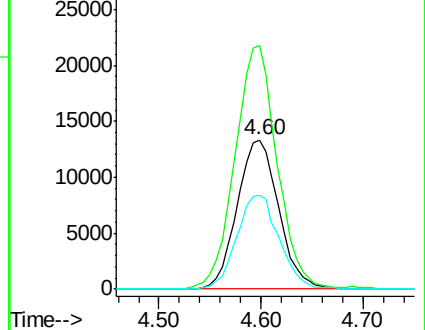
98 64.1 50.5 75.7

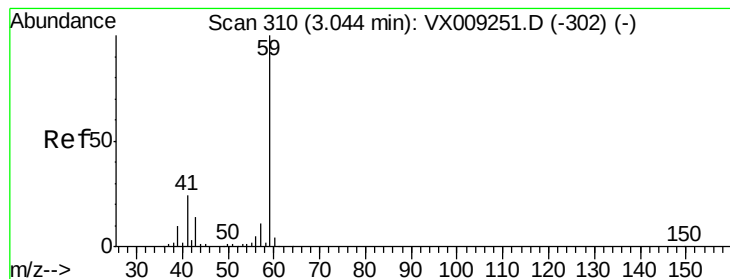


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 91.769 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

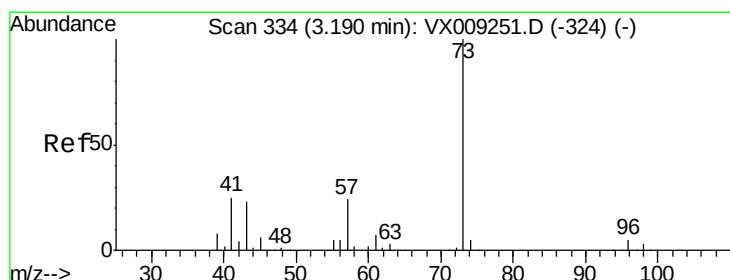
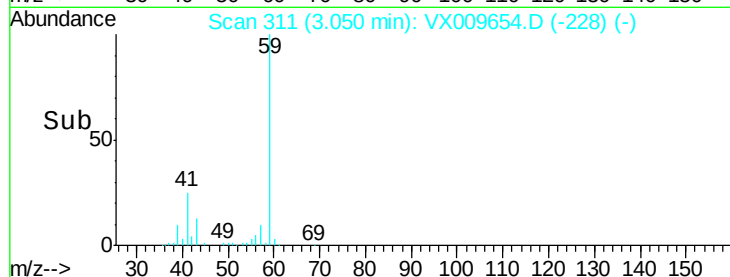
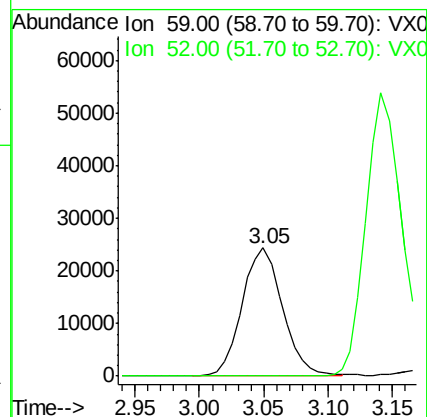
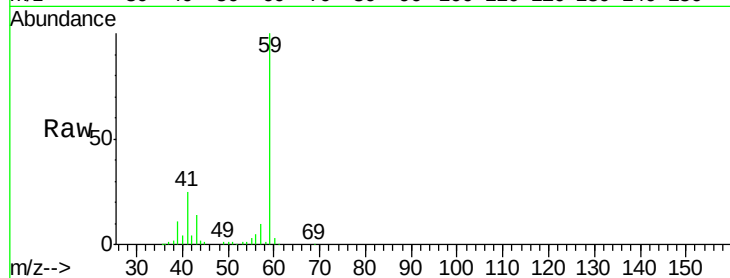
VX0517WBS01

Tot Ion: 59 Resp: 52617

Ion Ratio Lower Upper

59 100

52 0.3 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 17.864 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX009654.D

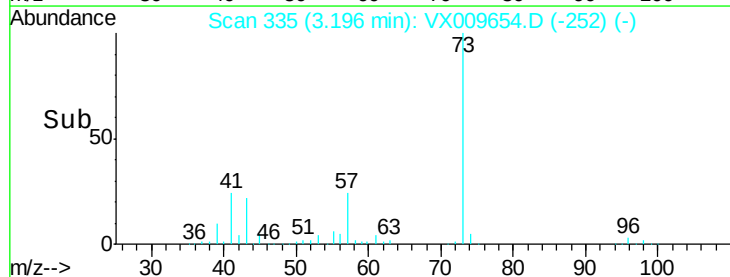
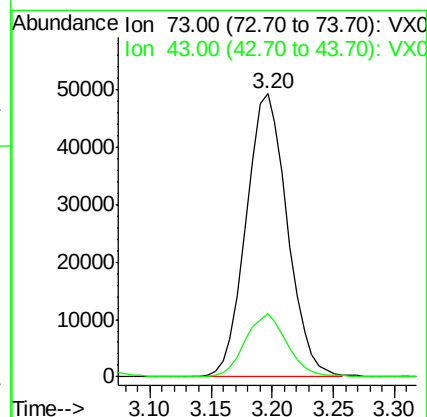
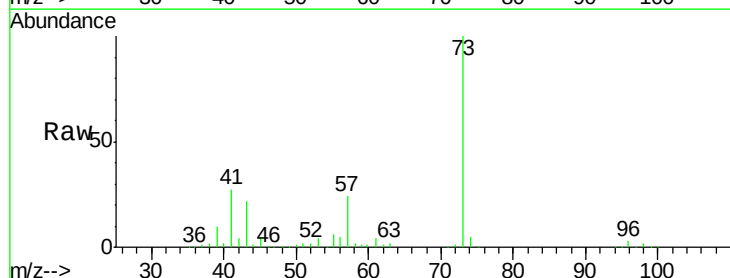
Acq: 17 May 2019 11:22

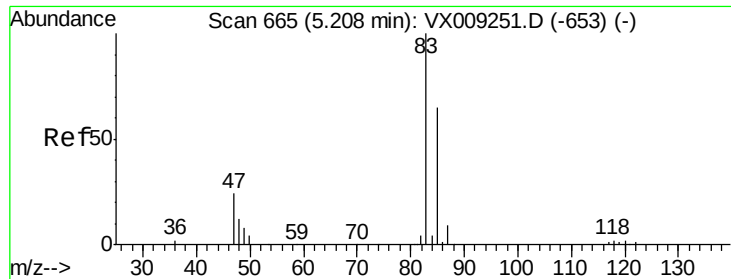
Tgt Ion: 73 Resp: 115973

Ion Ratio Lower Upper

73 100

43 22.0 17.6 26.4





#25

Chloroform

Concen: 17.990 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

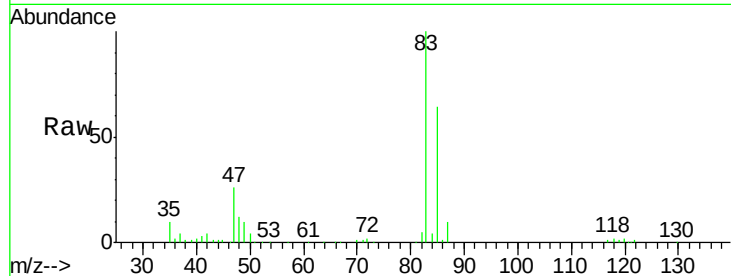
VX0517WBS01

Tot Ion: 83 Resp: 62310

Ion Ratio Lower Upper

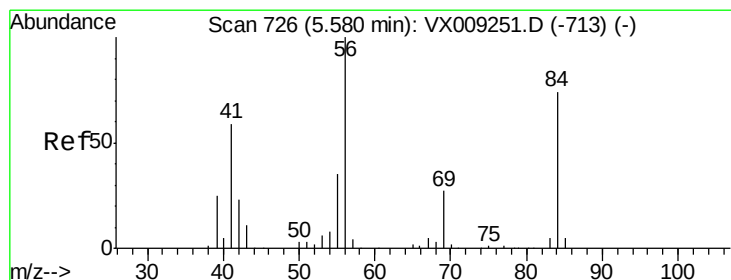
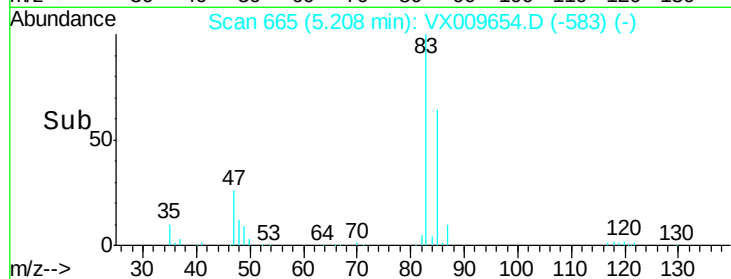
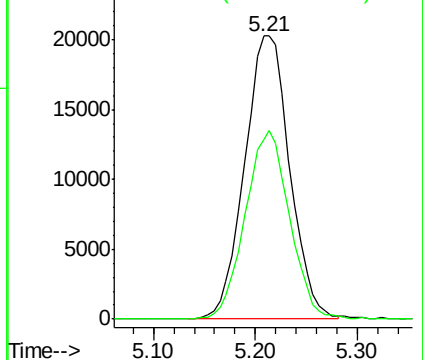
83 100

85 63.7 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.141 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

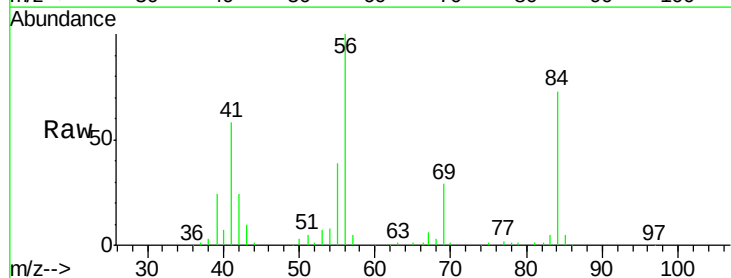
Tgt Ion: 56 Resp: 60632

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

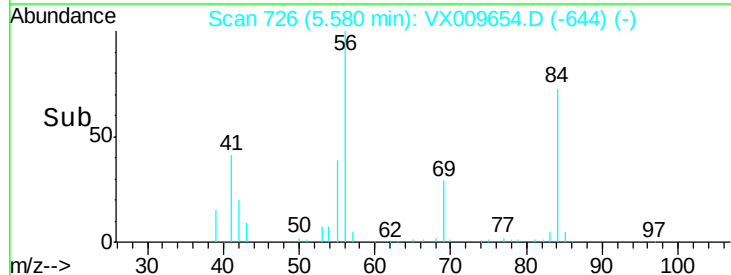
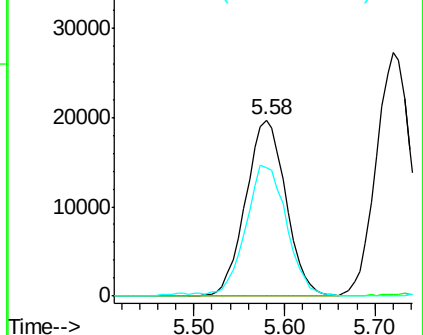
84 75.2 59.7 89.5

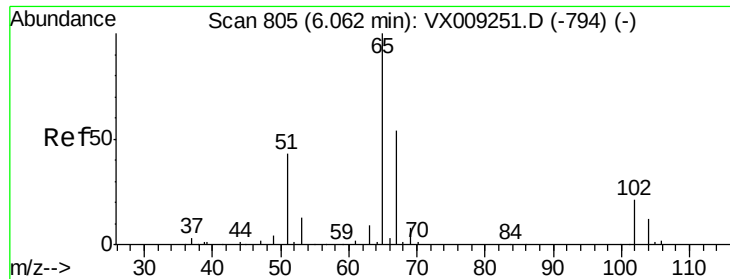


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.961 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

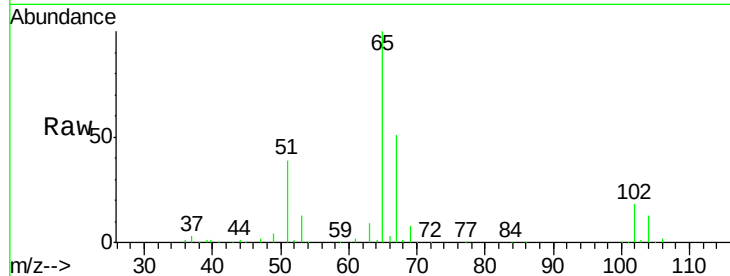
VX0517WBS01

Tot Ion: 65 Resp: 75378

Ion Ratio Lower Upper

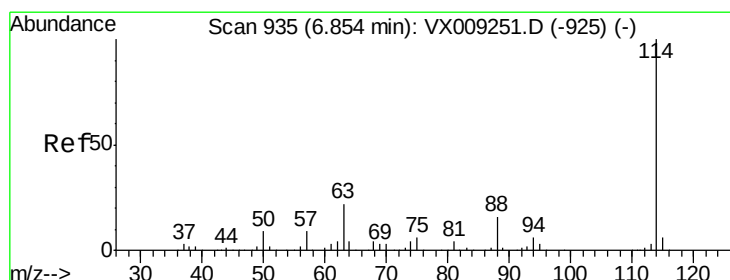
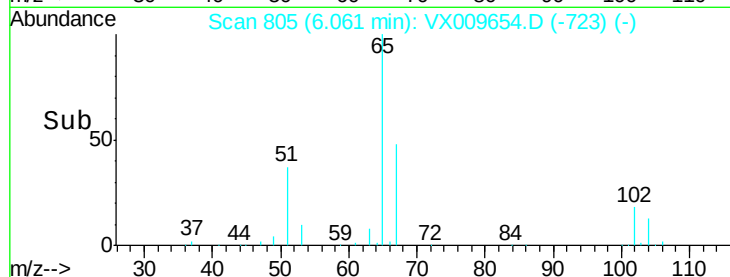
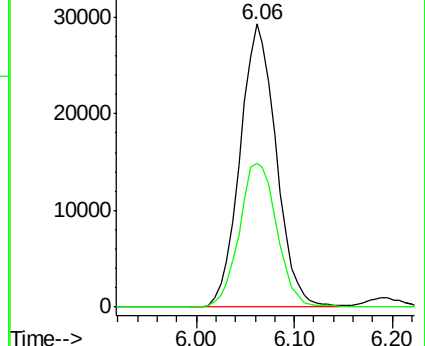
65 100

67 52.6 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: VX009654.D

Acq: 17 May 2019 11:22

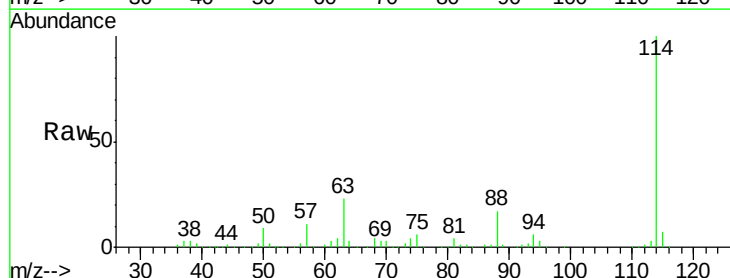
Tgt Ion: 114 Resp: 171873

Ion Ratio Lower Upper

114 100

63 23.5 18.0 27.0

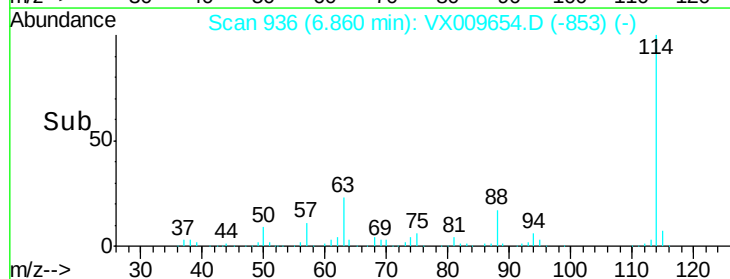
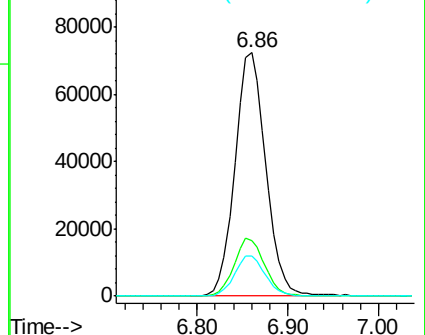
88 16.5 13.4 20.0

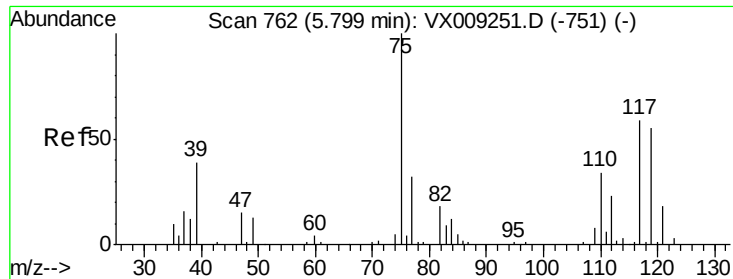


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

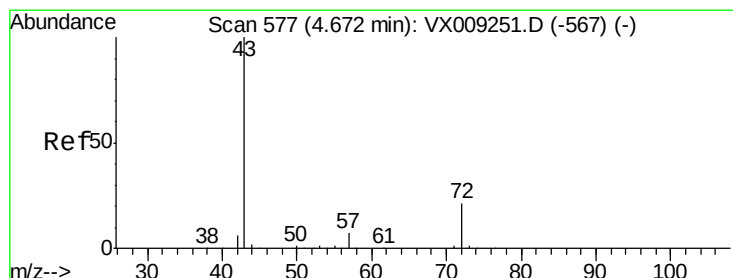
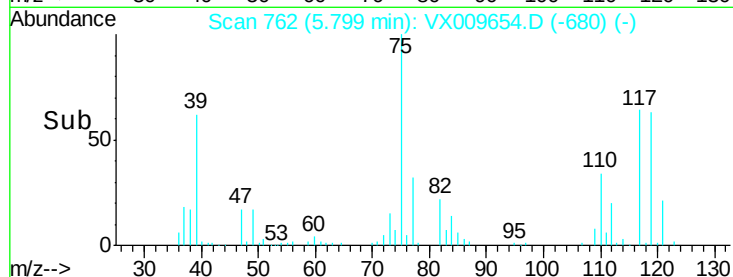
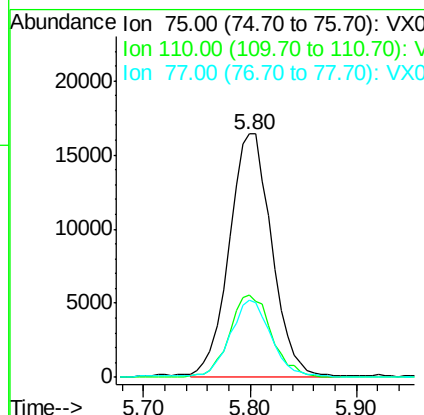
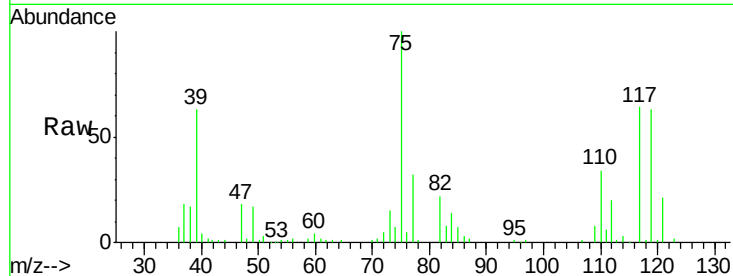




#29
 1,1-Dichloropropene
 Concen: 18.300 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

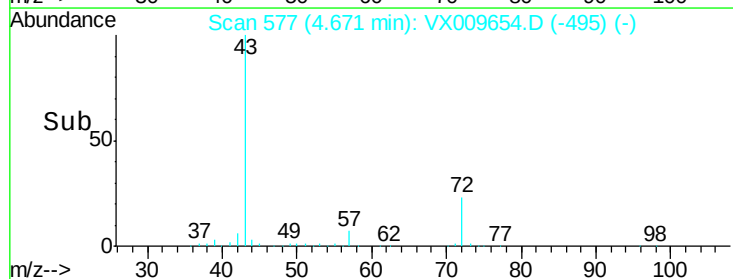
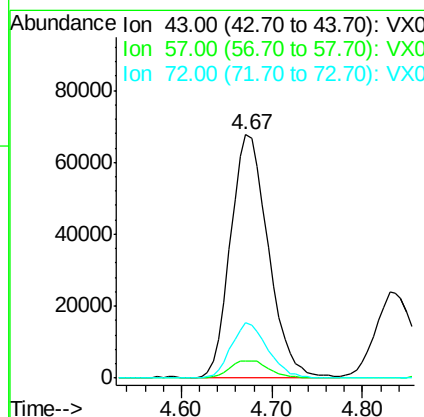
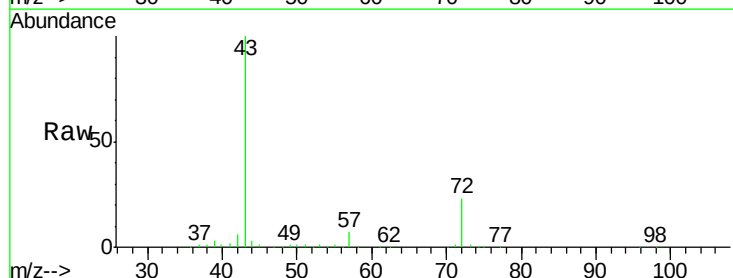
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

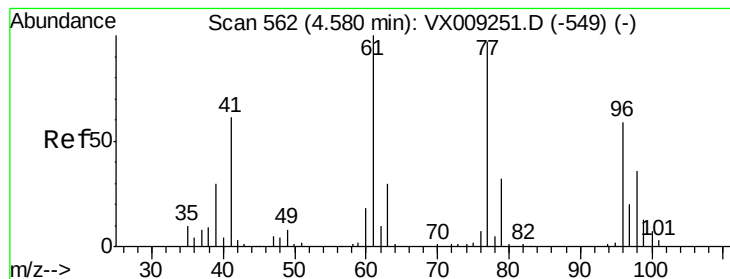
Tot Ion: 75 Resp: 46152
 Ion Ratio Lower Upper
 75 100
 110 33.3 0.0 66.4
 77 29.3 0.0 62.2



#30
 2-Butanone
 Concen: 98.449 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion: 43 Resp: 194442
 Ion Ratio Lower Upper
 43 100
 57 7.6 6.0 9.0
 72 22.2 18.2 27.4





#31

2,2-Dichloropropane

Concen: 17.951 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

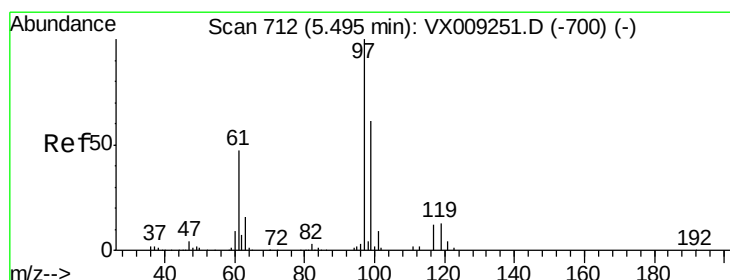
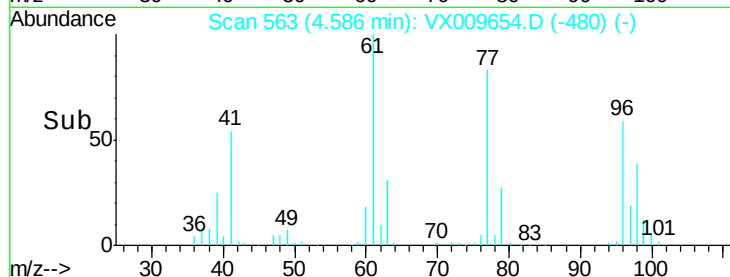
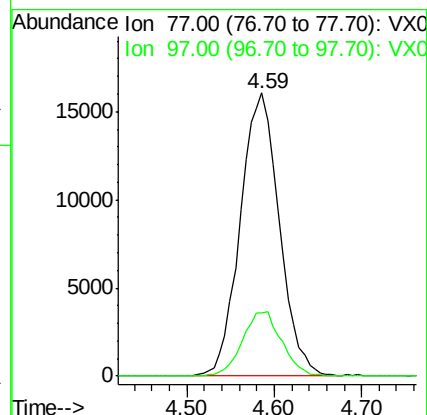
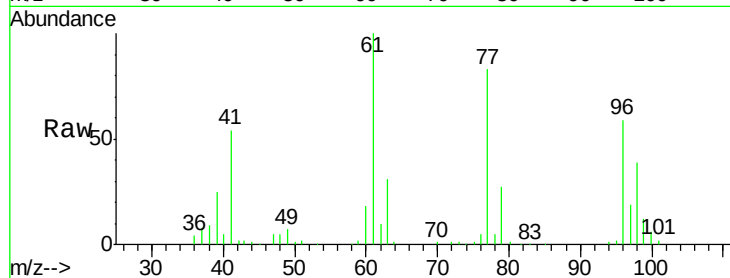
VX0517WBS01

Tot Ion: 77 Resp: 49910

Ion Ratio Lower Upper

77 100

97 22.9 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 18.352 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

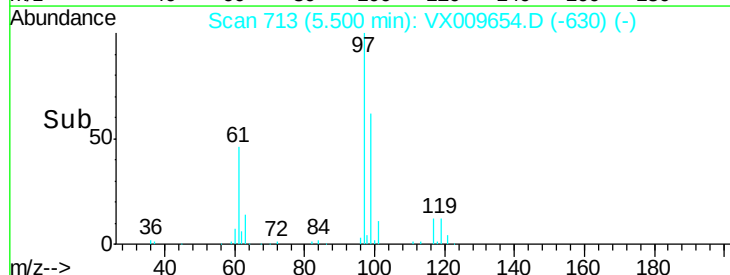
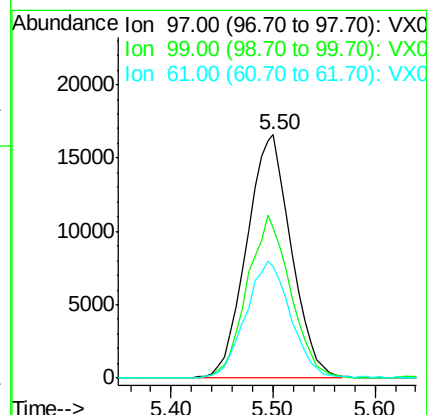
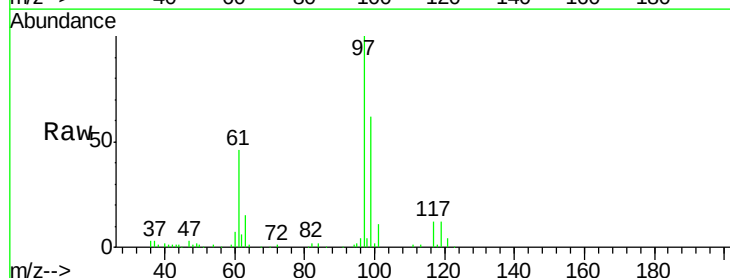
Tgt Ion: 97 Resp: 50174

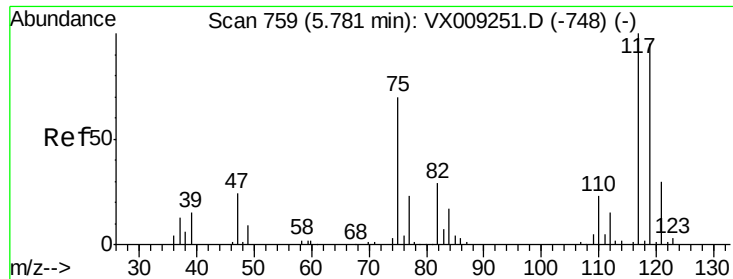
Ion Ratio Lower Upper

97 100

99 65.2 53.9 80.9

61 48.7 38.6 58.0

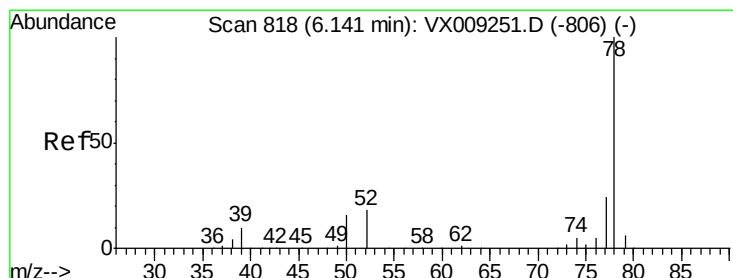
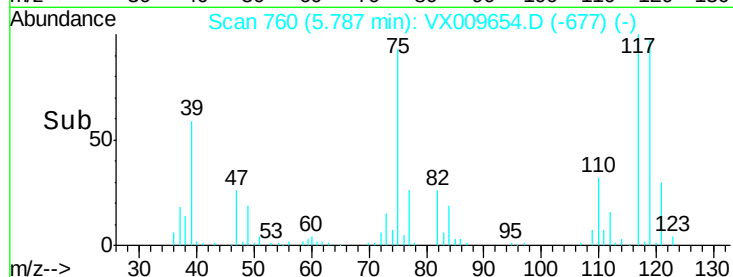
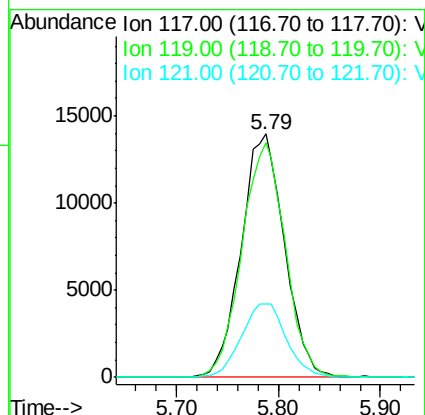
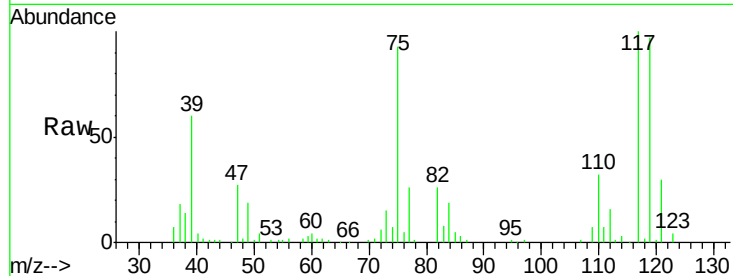




#33
Carbon Tetrachloride
Concen: 18.006 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

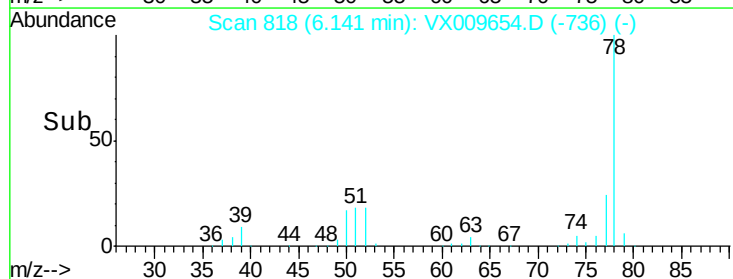
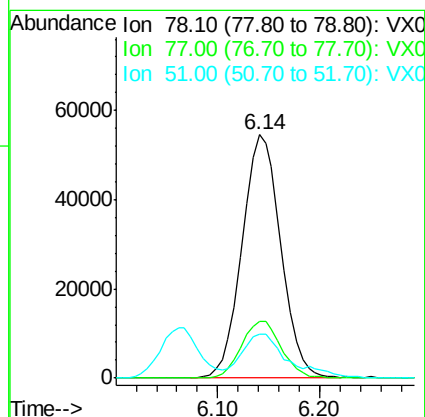
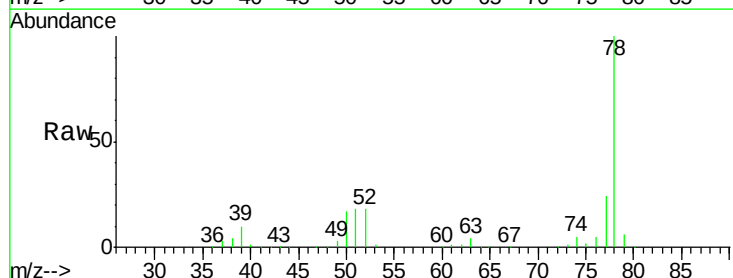
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

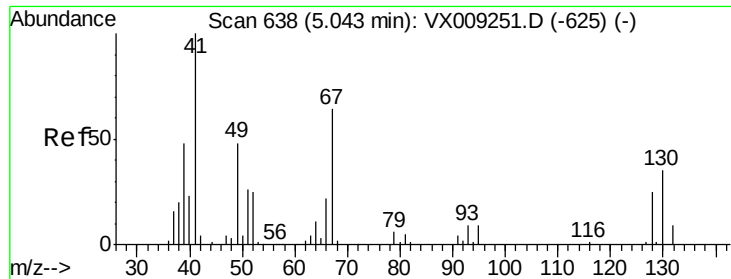
Tot Ion:117 Resp: 41189
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1
121 30.1 24.4 36.6



#34
Benzene
Concen: 18.509 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 78 Resp: 143912
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2
51 16.9 13.5 20.3

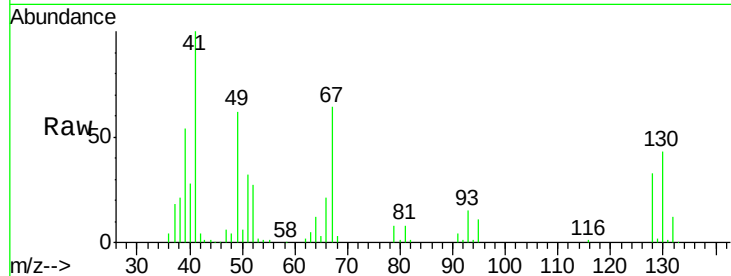




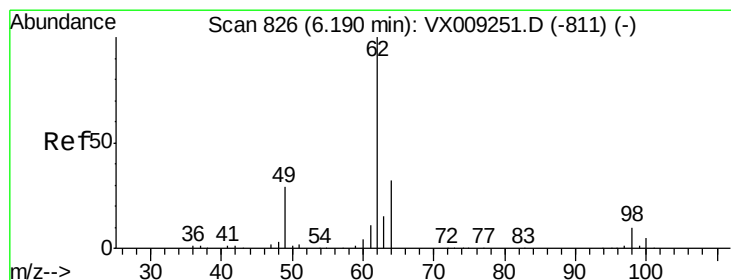
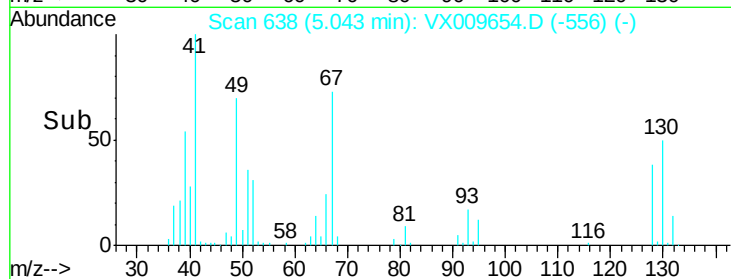
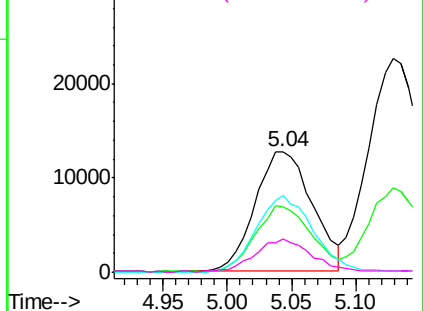
#35
Methacrylonitrile
Concen: 18.977 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Instrument :
MSVOA_X
ClientSampled :
VX0517WBS01

Tot Ion:	41	Resp:	39213
Ion	Ratio	Lower	Upper
41	100		
39	53.6	24.1	72.3
67	64.0	32.2	96.6
52	26.4	12.4	37.4

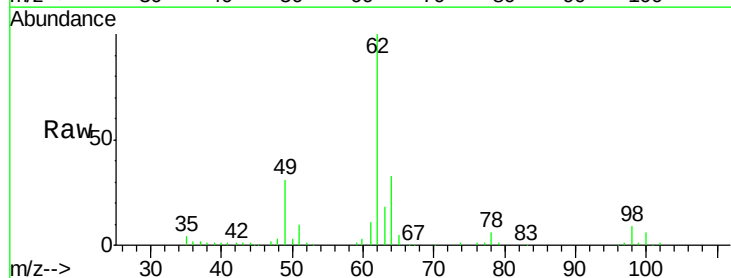


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

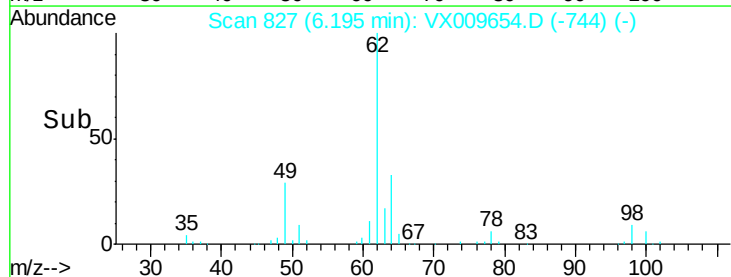
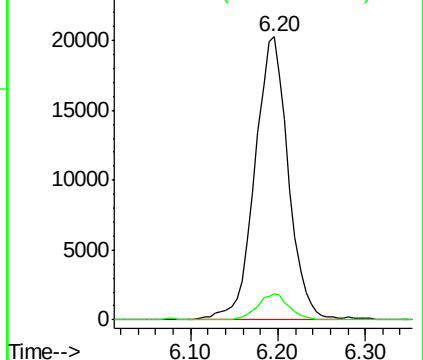


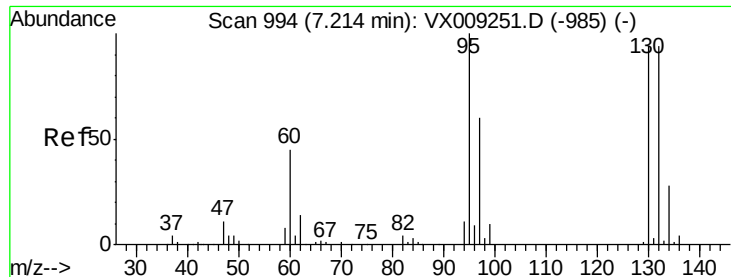
#36
1,2-Dichloroethane
Concen: 19.206 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion:	62	Resp:	54185
Ion	Ratio	Lower	Upper
62	100		
98	8.6	7.4	11.2



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

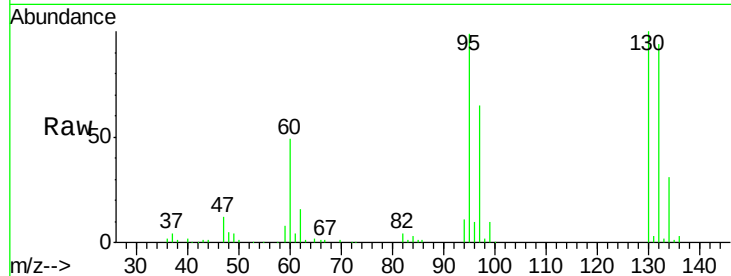




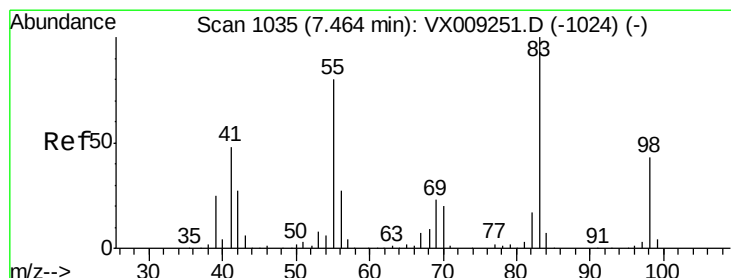
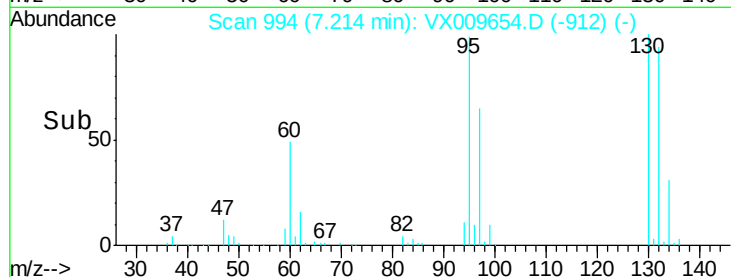
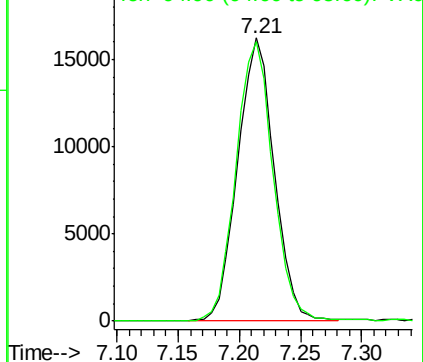
#37
 Trichloroethene
 Concen: 18.059 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion:130 Resp: 33801
 Ion Ratio Lower Upper
 130 100
 95 98.7 85.0 127.4

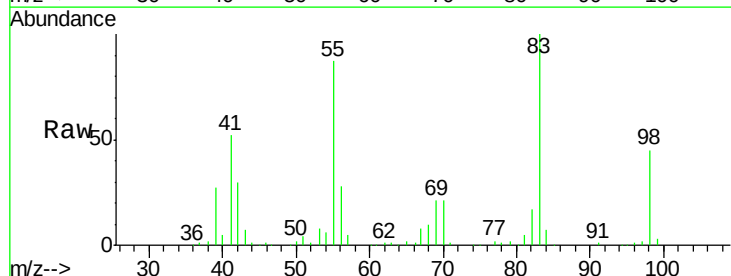


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

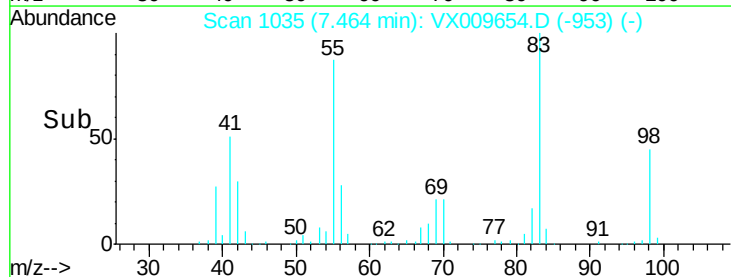
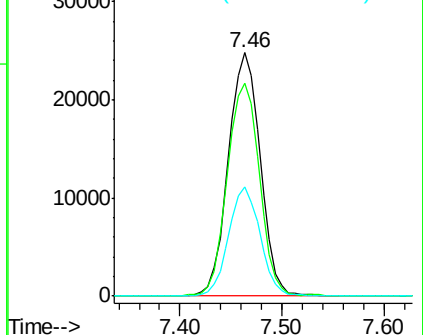


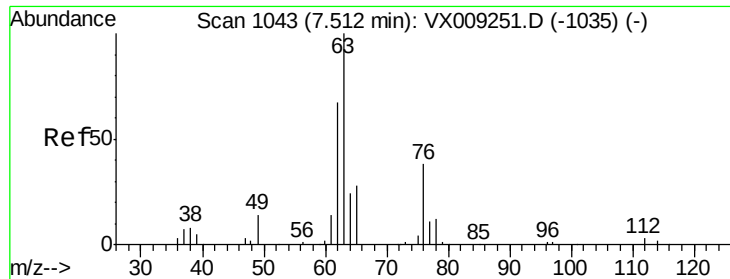
#38
 Methylcyclohexane
 Concen: 17.315 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion: 83 Resp: 53950
 Ion Ratio Lower Upper
 83 100
 55 87.9 43.0 129.2
 98 43.8 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: 19.144 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

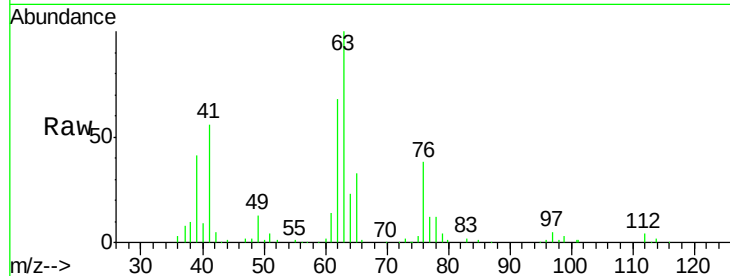
VX0517WBS01

Tot Ion: 63 Resp: 42386

Ion Ratio Lower Upper

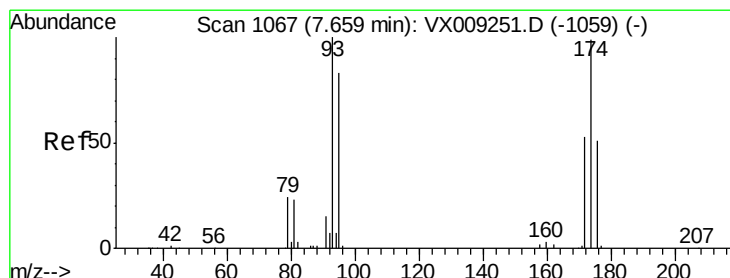
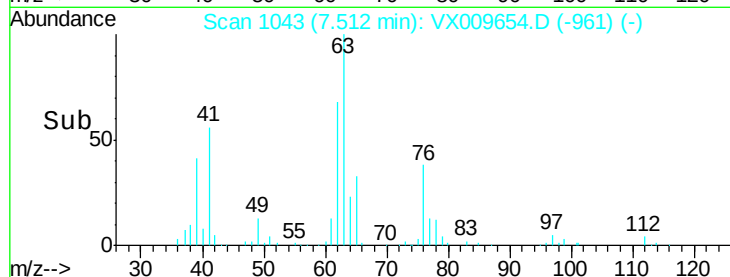
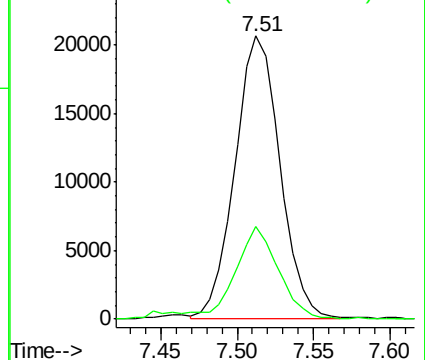
63 100

65 32.7 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 19.031 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

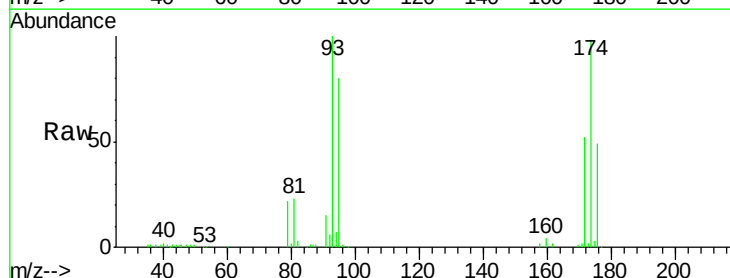
Tgt Ion: 93 Resp: 23916

Ion Ratio Lower Upper

93 100

95 81.4 0.0 167.2

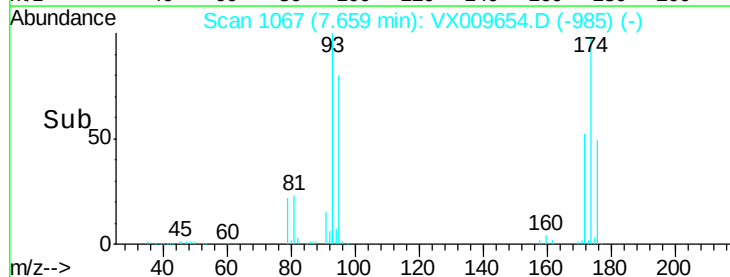
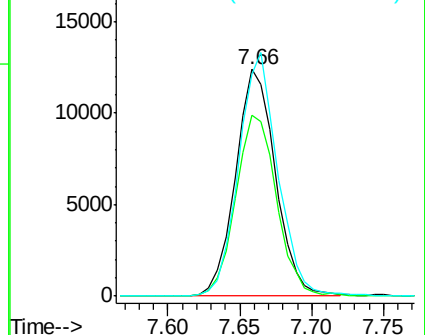
174 104.2 0.0 203.4

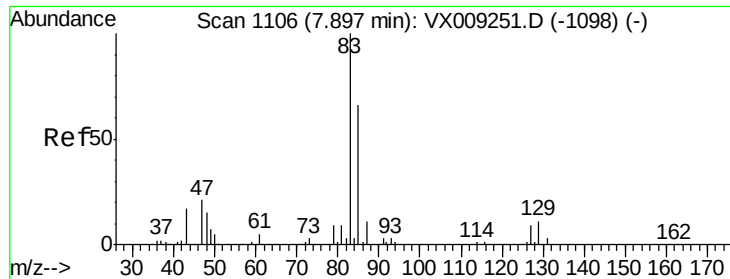


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.422 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

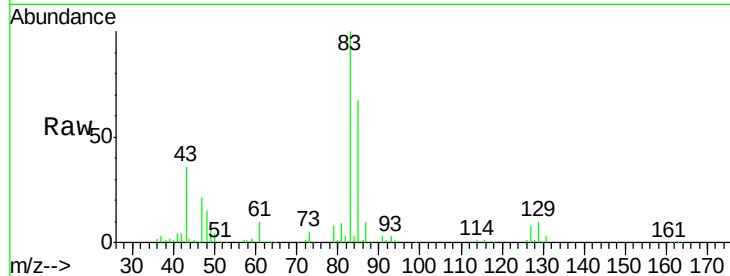
Tot Ion: 83 Resp: 47288

Ion Ratio Lower Upper

83 100

85 67.0 52.6 79.0

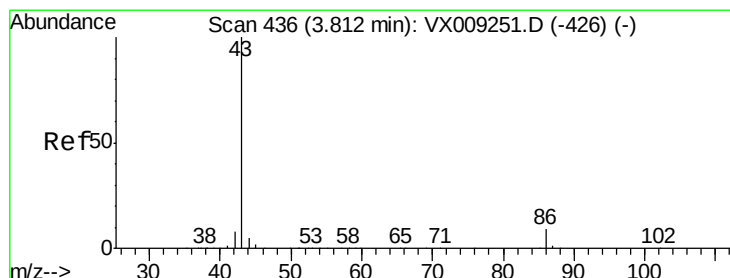
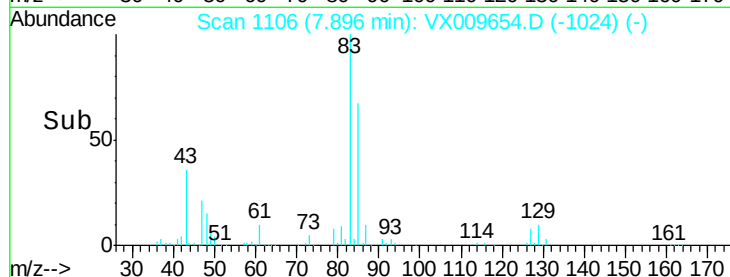
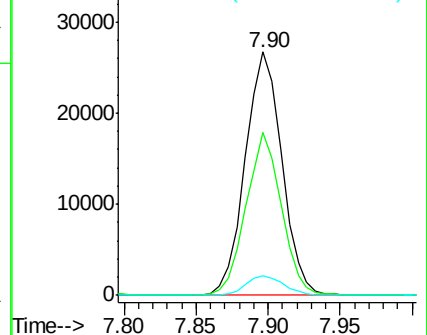
127 7.9 6.9 10.3



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: 95.899 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009654.D

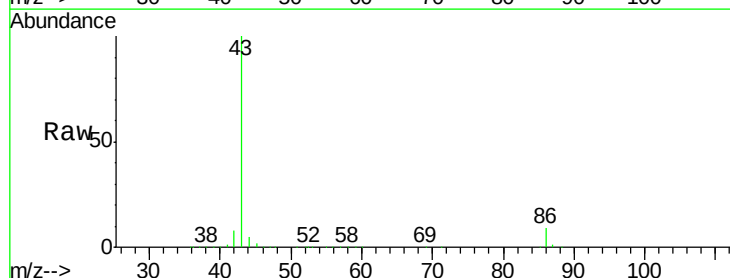
Acq: 17 May 2019 11:22

Tgt Ion: 43 Resp: 625123

Ion Ratio Lower Upper

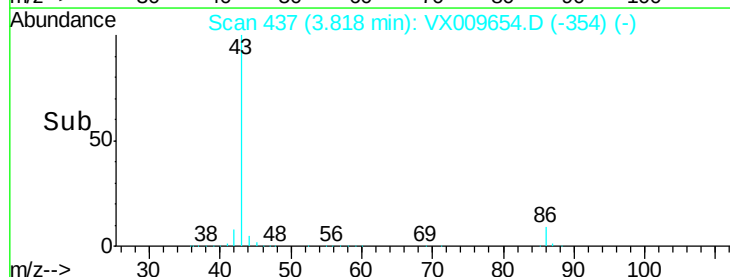
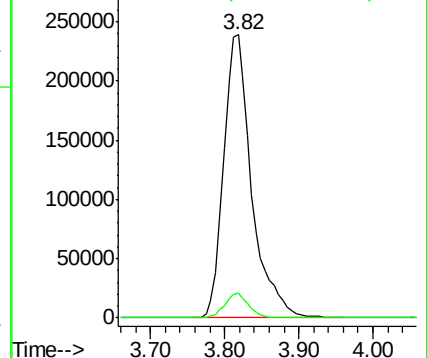
43 100

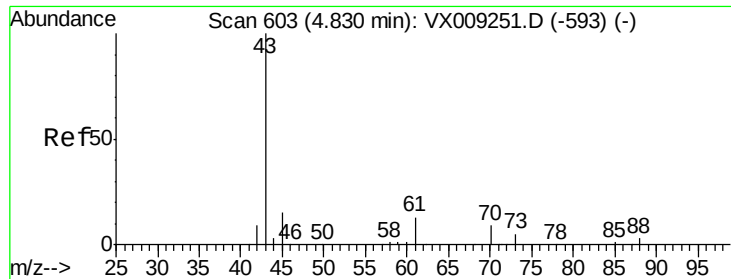
86 7.4 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

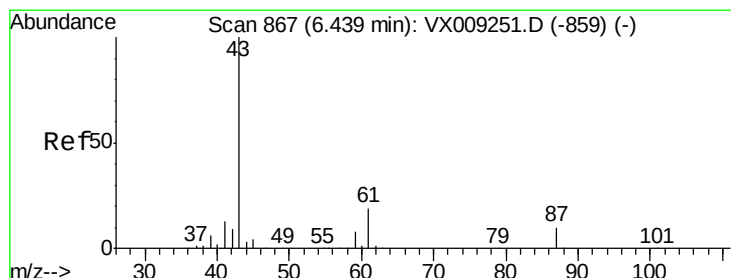
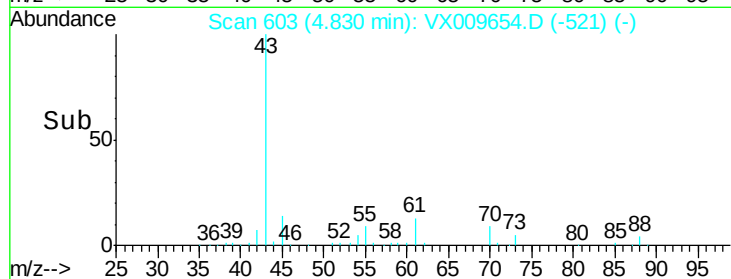
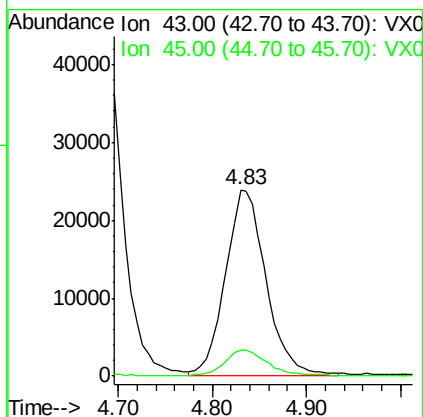
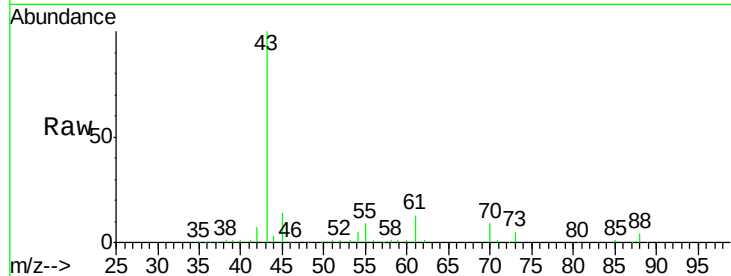




#43
Ethyl Acetate
Concen: 19.981 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

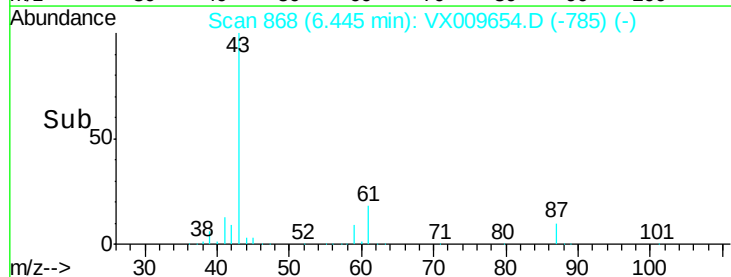
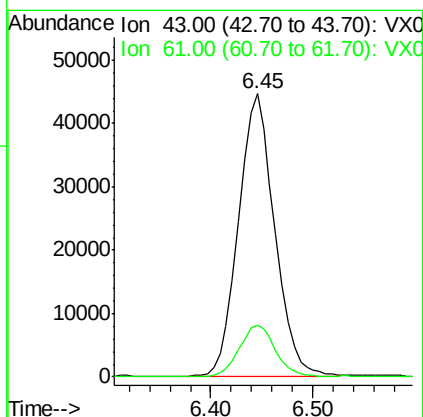
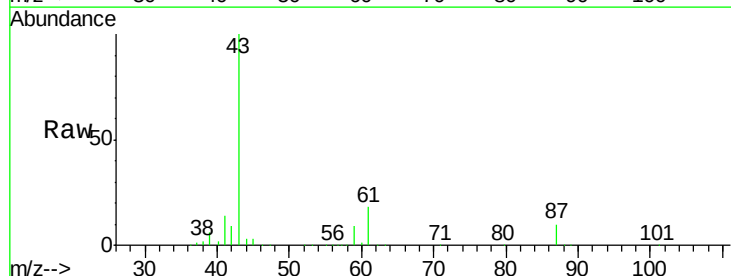
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

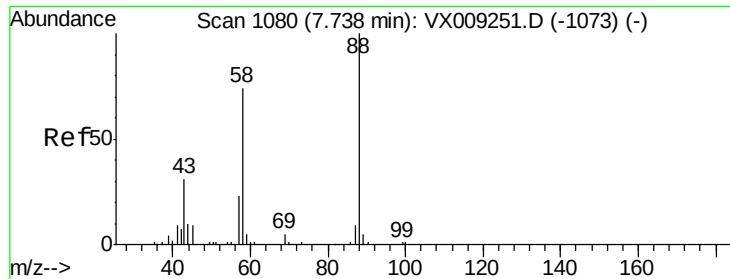
Tot Ion: 43 Resp: 71310
Ion Ratio Lower Upper
43 100
45 14.9 11.8 17.8



#44
Isopropyl Acetate
Concen: 18.931 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 43 Resp: 109453
Ion Ratio Lower Upper
43 100
61 18.5 15.4 23.2





#45

1,4-Dioxane

Concen: 382.379 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

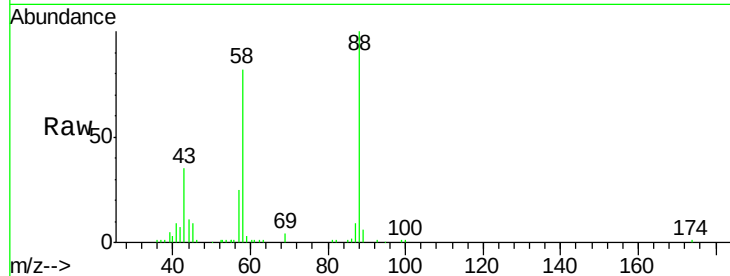
Tot Ion: 88 Resp: 21705

Ion Ratio Lower Upper

88 100

43 36.8 28.5 42.7

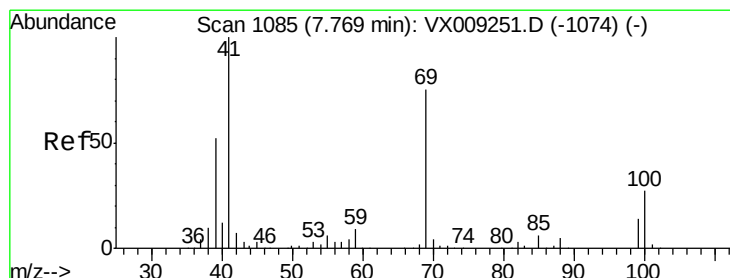
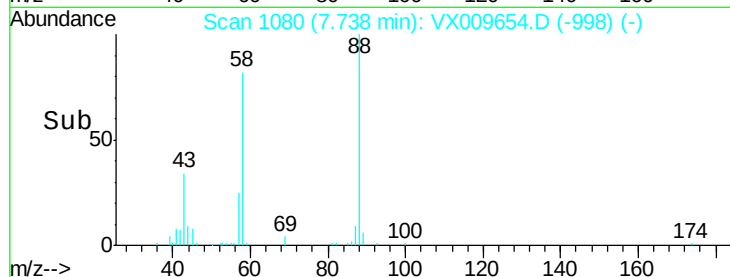
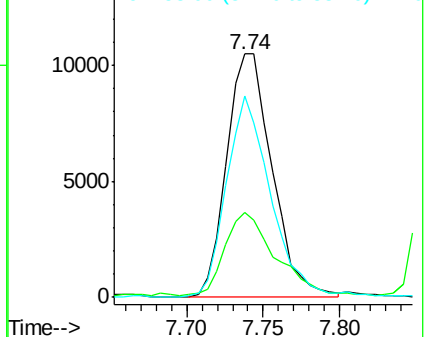
58 80.1 62.5 93.7



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: 19.318 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

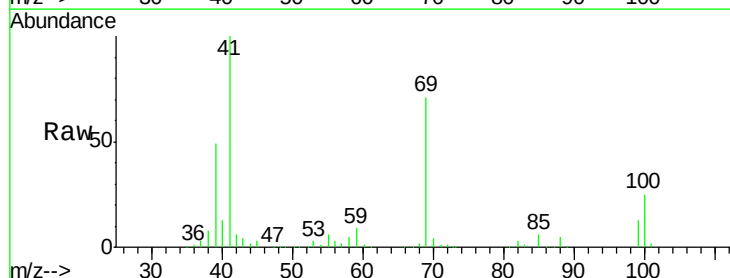
Tgt Ion: 41 Resp: 55746

Ion Ratio Lower Upper

41 100

69 71.6 37.6 112.8

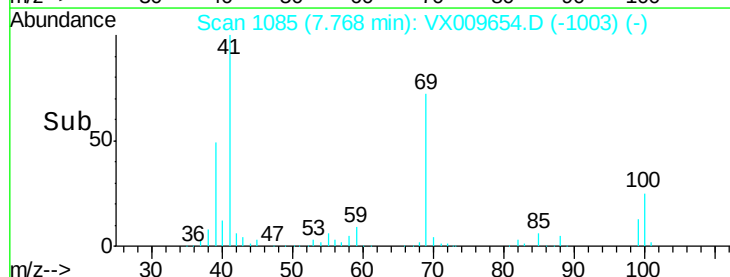
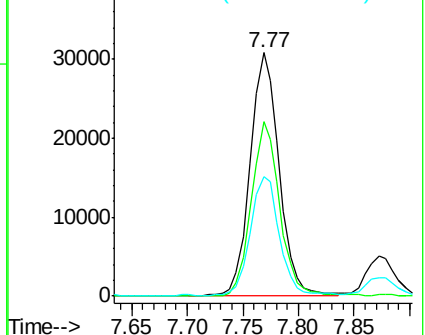
39 48.4 25.8 77.3

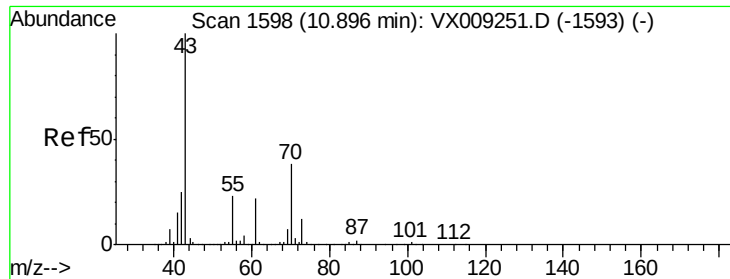


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 18.529 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

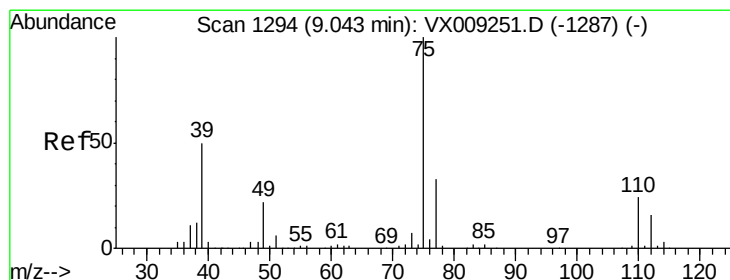
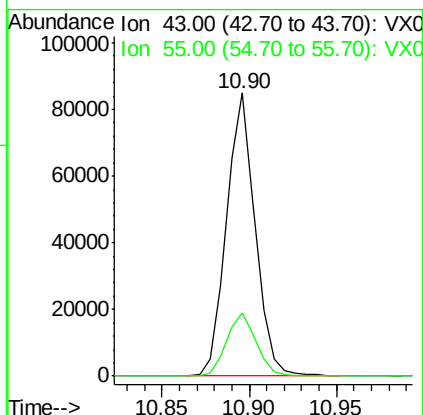
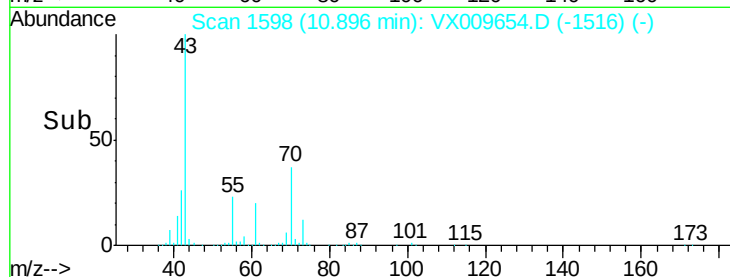
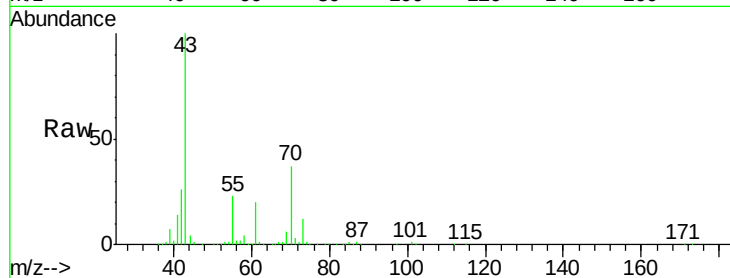
VX0517WBS01

Tot Ion: 43 Resp: 96503

Ion Ratio Lower Upper

43 100

55 23.0 18.2 27.4



#48

t-1,3-Dichloropropene

Concen: 17.705 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009654.D

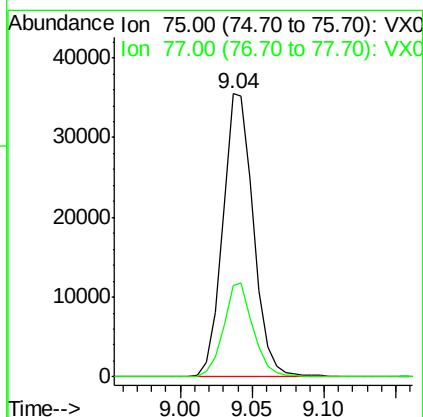
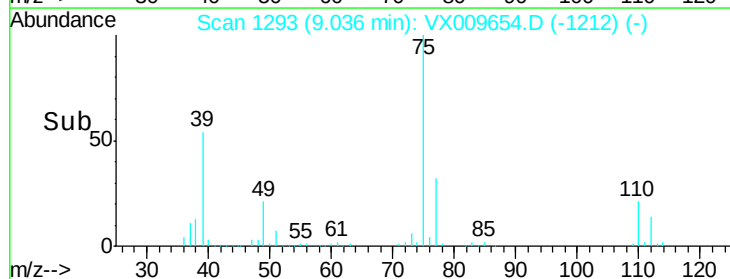
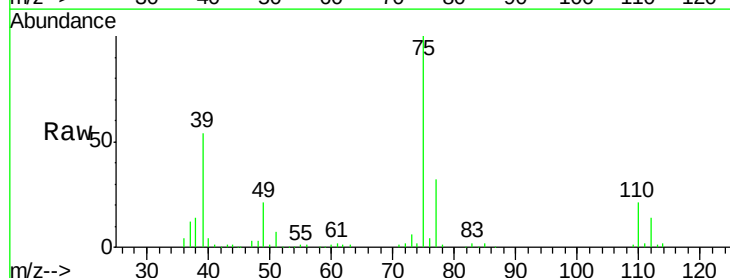
Acq: 17 May 2019 11:22

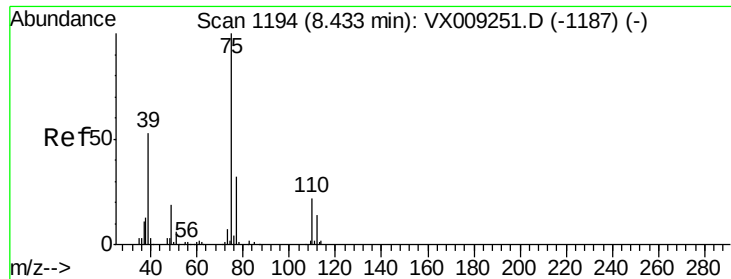
Tgt Ion: 75 Resp: 53026

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



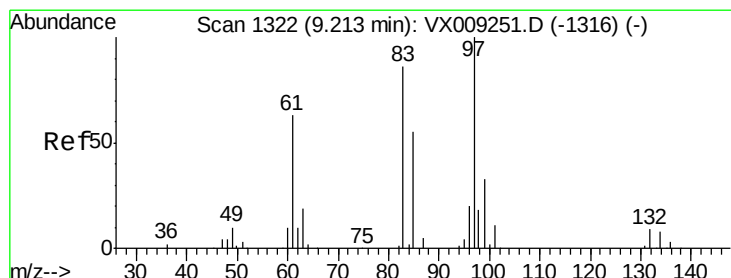
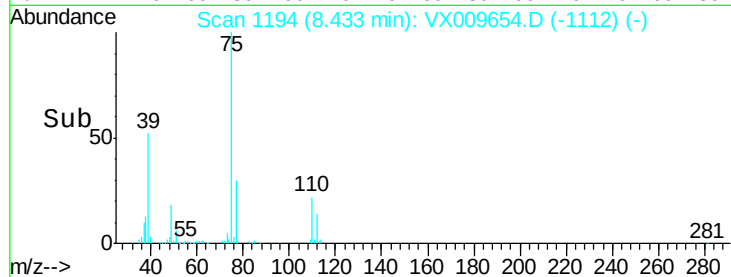
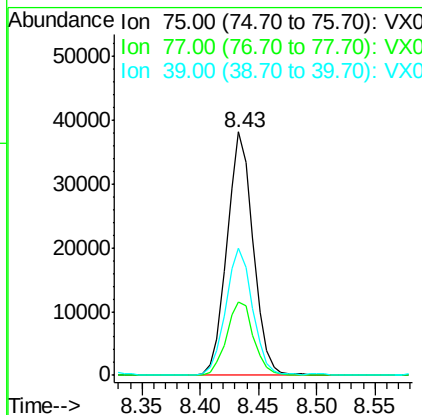
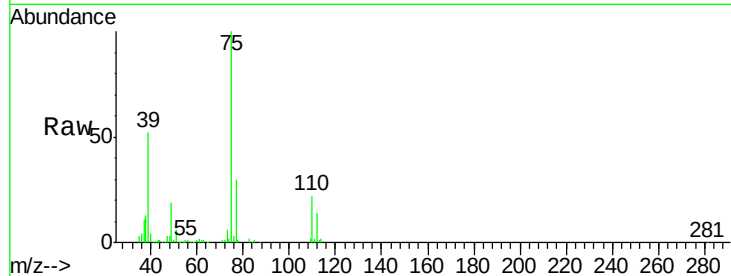


#49

cis-1,3-Dichloropropene
 Concen: 18.201 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

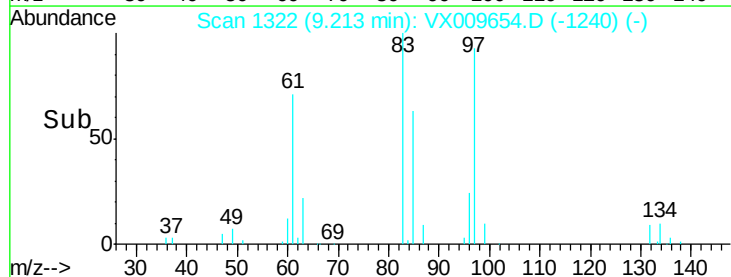
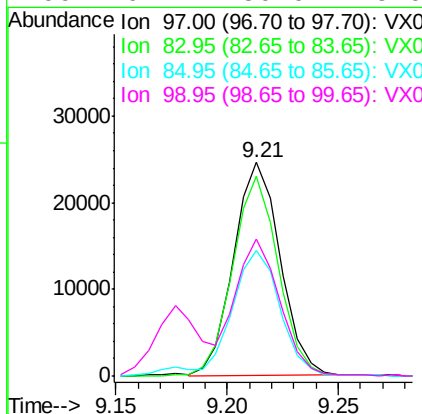
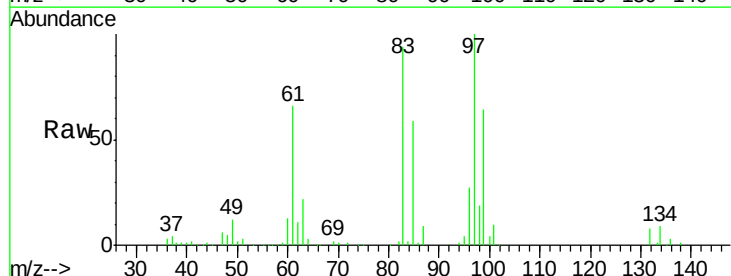
Tot Ion	75	Resp	59844
Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.0	39.0
39	52.1	42.6	63.8

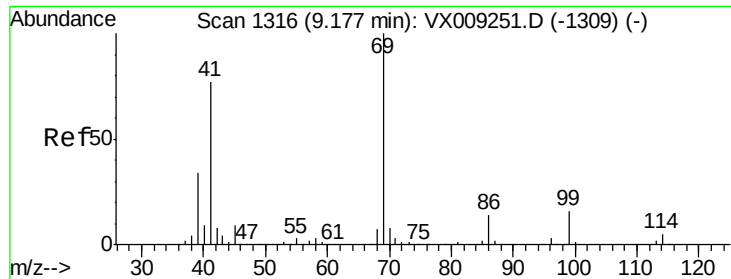


#50

1,1,2-Trichloroethane
 Concen: 18.606 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion	97	Resp	35823
Ion	Ratio	Lower	Upper
97	100		
83	93.5	68.8	103.2
85	58.5	45.8	68.6
99	64.2	50.0	75.0





#51

Ethyl methacrylate

Concen: 18.350 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

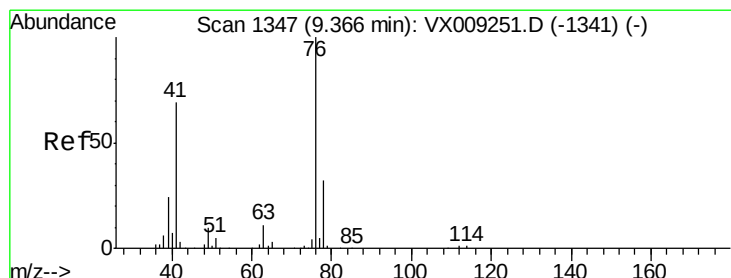
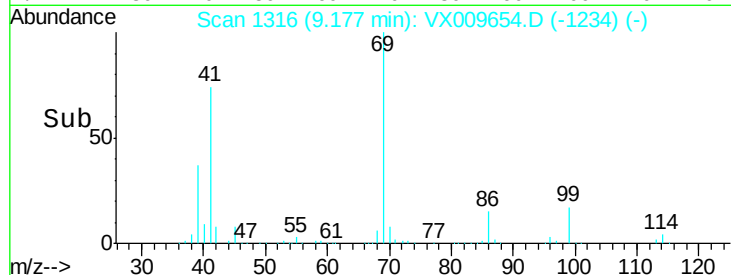
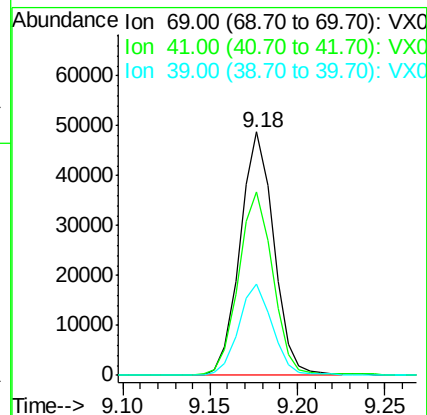
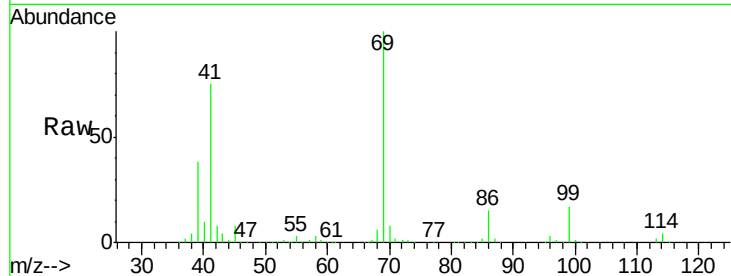
Tot Ion: 69 Resp: 65289

Ion Ratio Lower Upper

69 100

41 75.3 38.4 115.2

39 37.6 17.2 51.5



#52

1,3-Dichloropropane

Concen: 18.784 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX009654.D

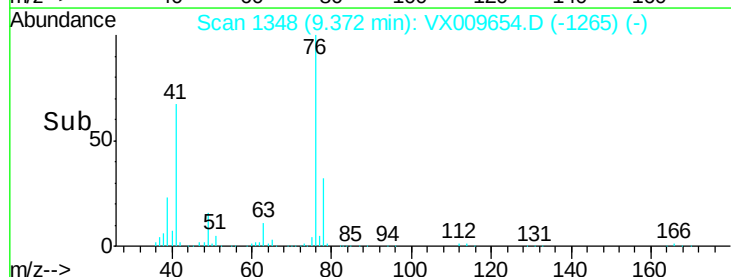
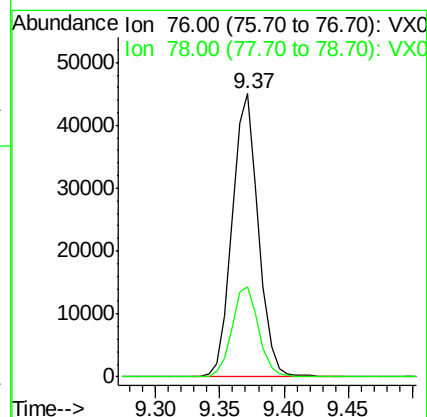
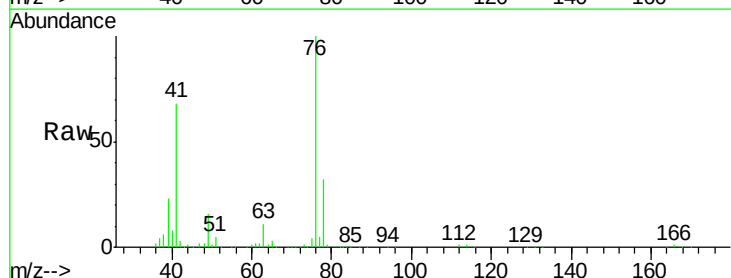
Acq: 17 May 2019 11:22

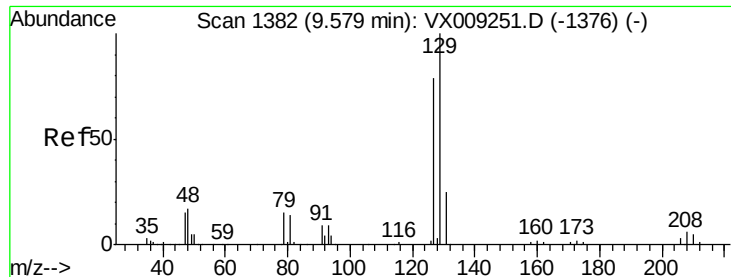
Tgt Ion: 76 Resp: 64185

Ion Ratio Lower Upper

76 100

78 32.3 0.0 64.2





#53

Dibromochloromethane

Concen: 18.237 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

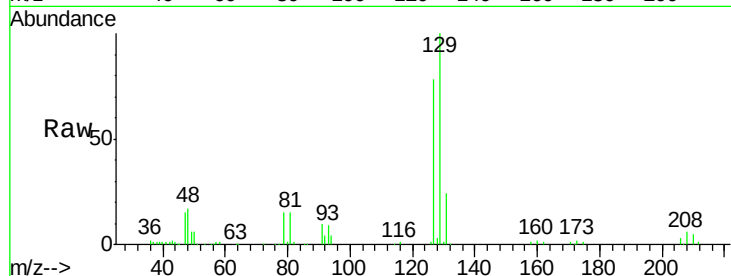
VX0517WBS01

Tot Ion:129 Resp: 34969

Ion Ratio Lower Upper

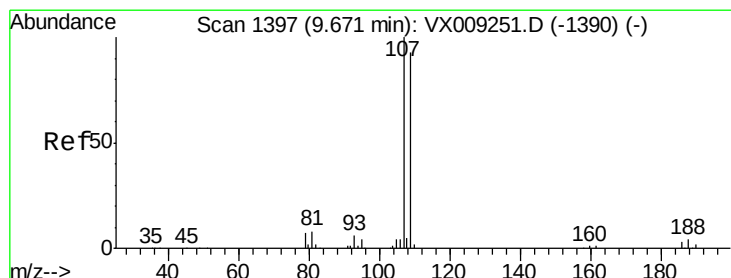
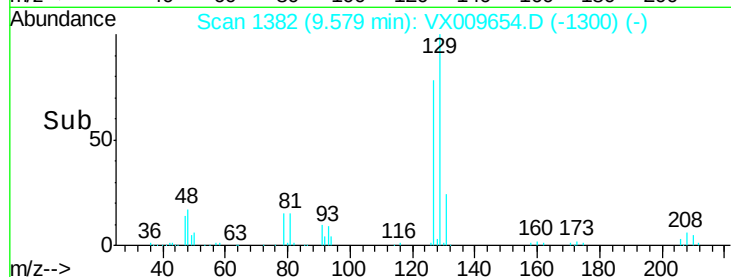
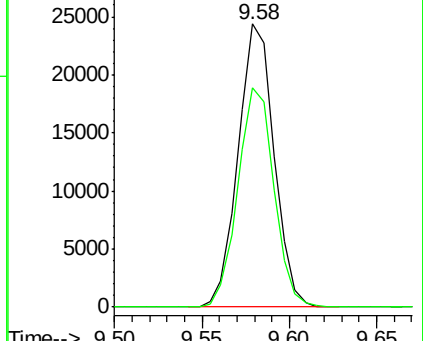
129 100

127 77.7 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: 18.661 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009654.D

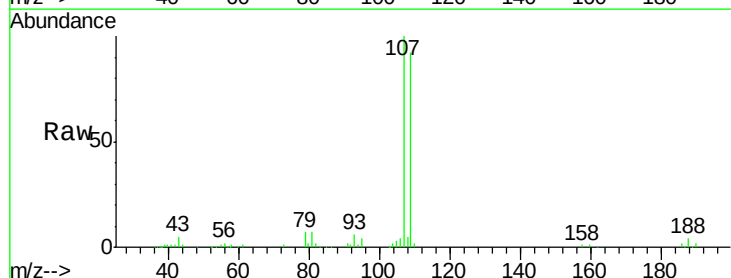
Acq: 17 May 2019 11:22

Tgt Ion:107 Resp: 36848

Ion Ratio Lower Upper

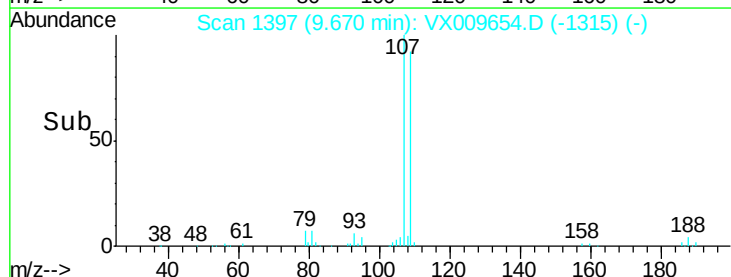
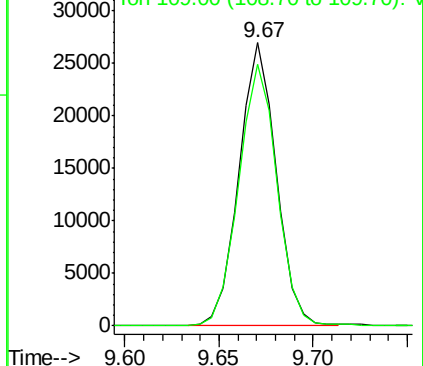
107 100

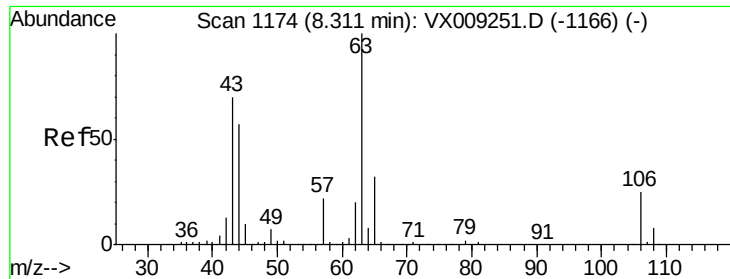
109 95.2 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

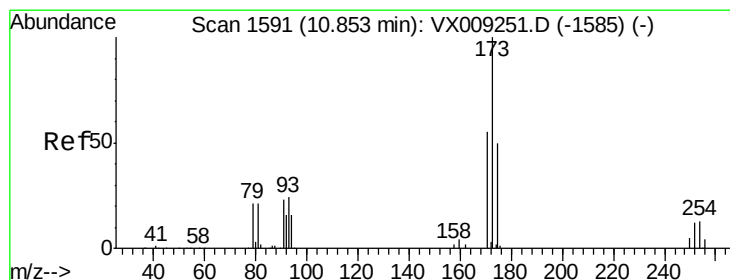
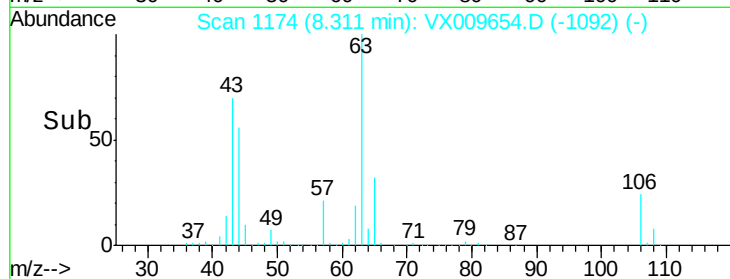
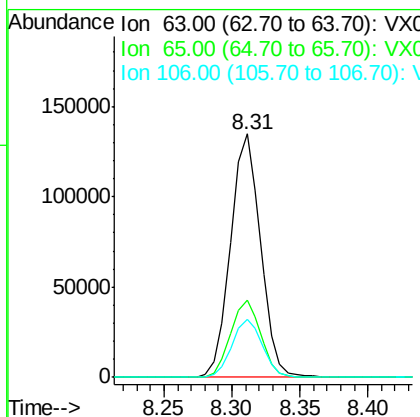
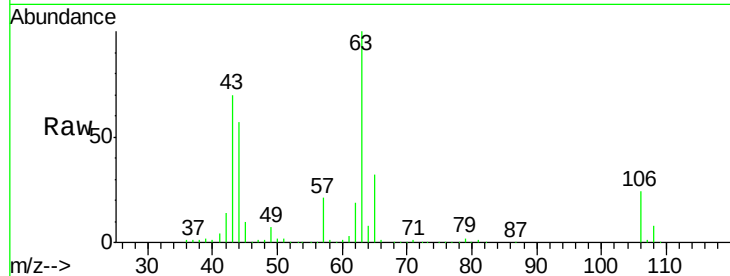




#55
2-Chloroethyl vinyl ether
Concen: 108.987 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

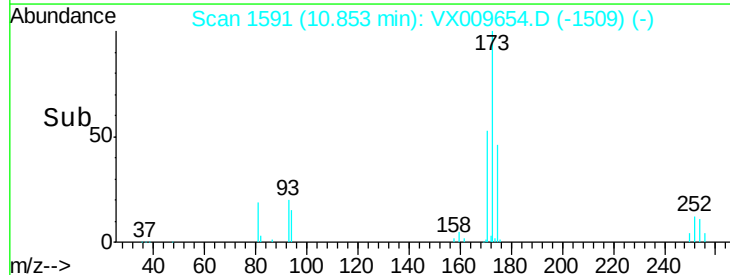
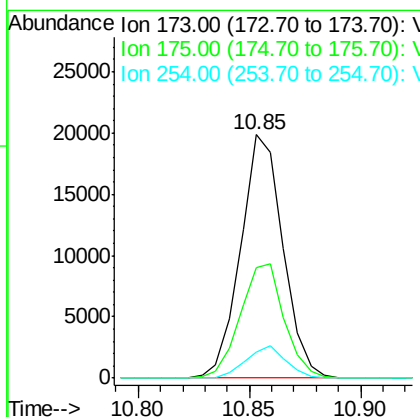
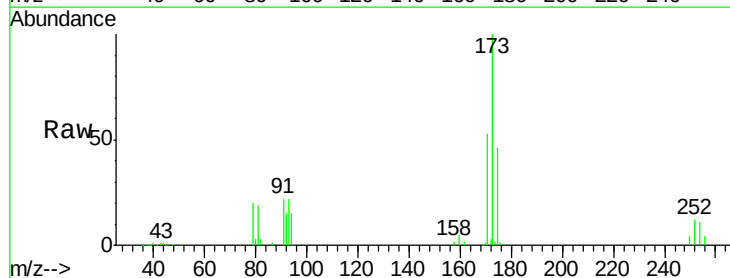
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

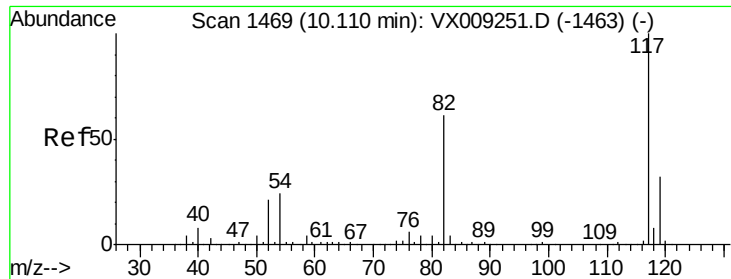
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	24.4	19.8	29.6



#56
Bromoform
Concen: 17.935 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.2
254	12.5	9.9	14.9

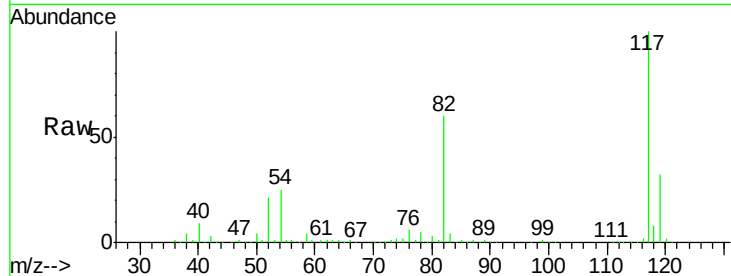




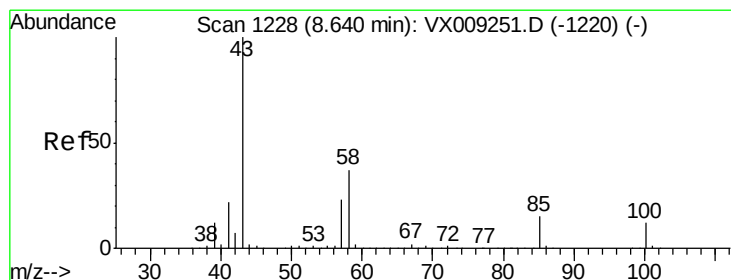
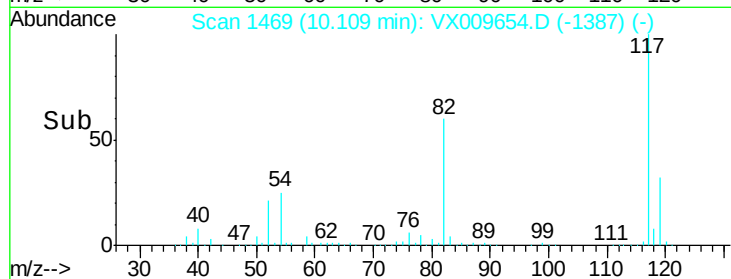
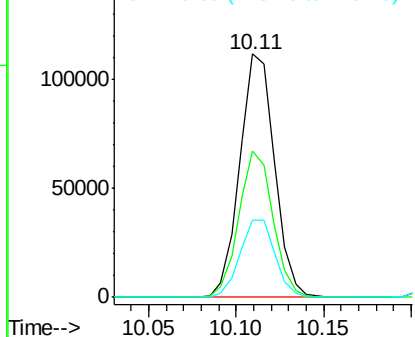
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Instrument :
MSVOA_X
ClientSampled :
VX0517WBS01

Tot Ion:117 Resp: 154701
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.8
119 32.4 25.6 38.4

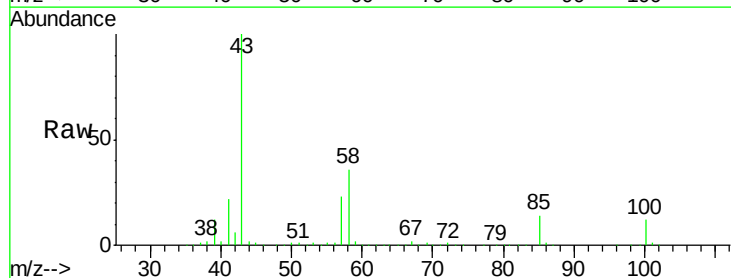


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

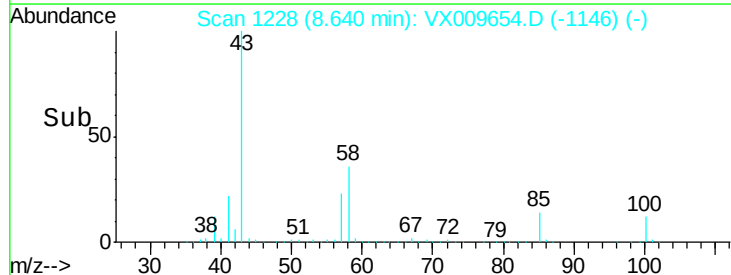
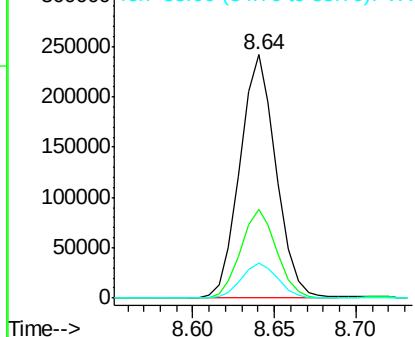


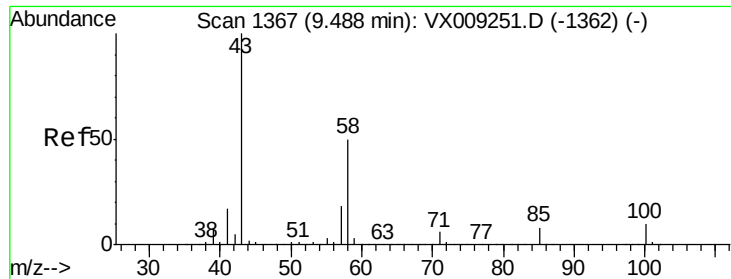
#58
4-Methyl-2-Pentanone
Concen: 97.584 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 43 Resp: 371202
Ion Ratio Lower Upper
43 100
58 36.3 29.4 44.0
85 14.6 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

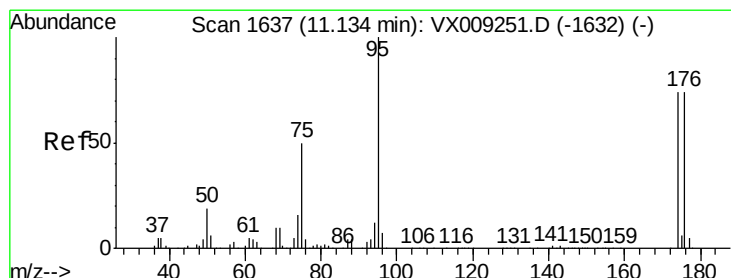
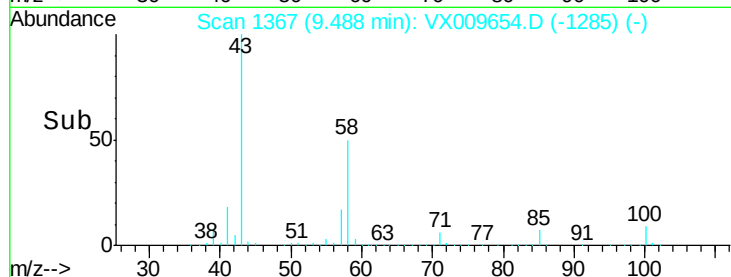
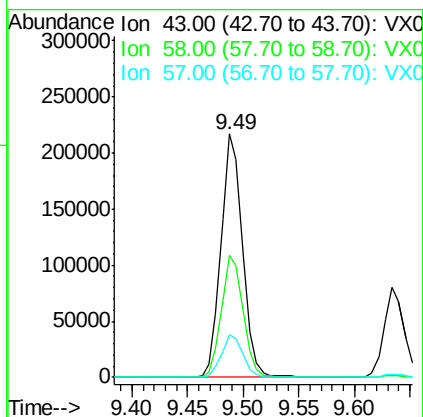
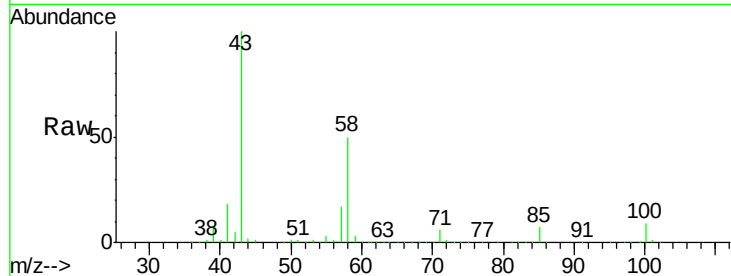




#59
2-Hexanone
Concen: 97.411 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

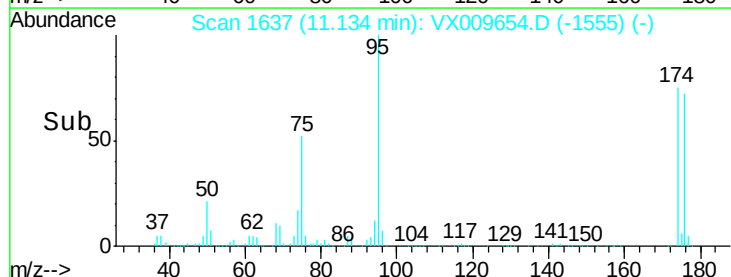
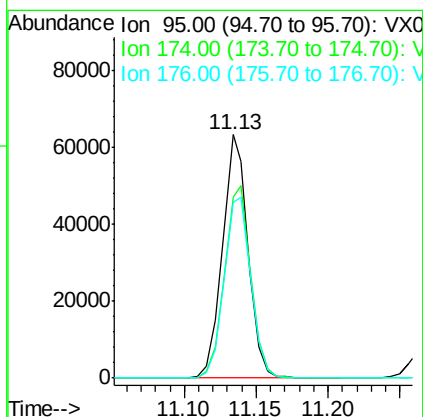
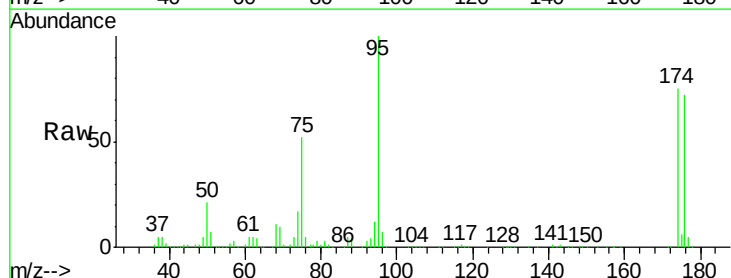
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS01

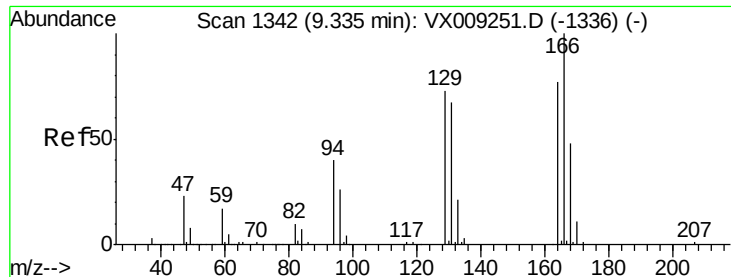
Tot Ion: 43 Resp: 290633
Ion Ratio Lower Upper
43 100
58 50.7 40.8 61.2
57 17.4 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 30.021 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 95 Resp: 78917
Ion Ratio Lower Upper
95 100
174 81.3 63.6 95.4
176 77.8 62.4 93.6





#61

Tetrachloroethene

Concen: 18.364 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion:164 Resp: 31318

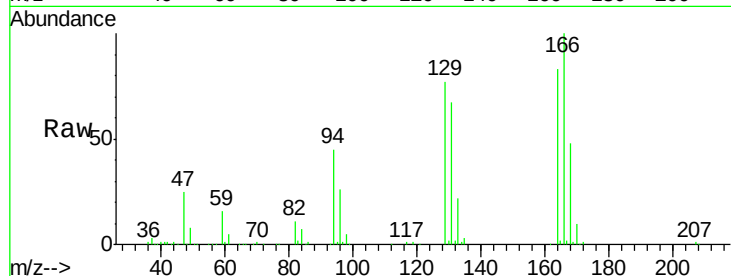
Ion Ratio Lower Upper

164 100

166 119.8 104.1 156.1

129 92.4 76.0 114.0

131 80.1 70.1 105.1

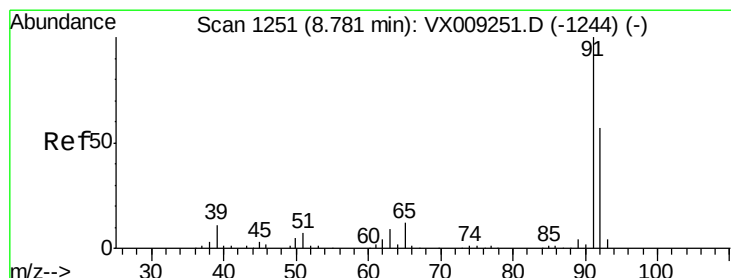
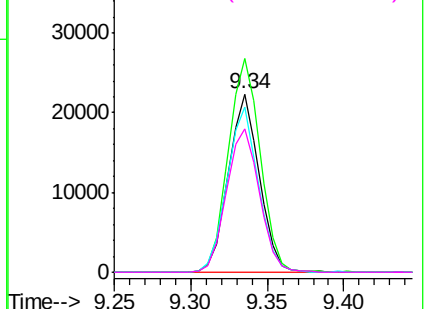
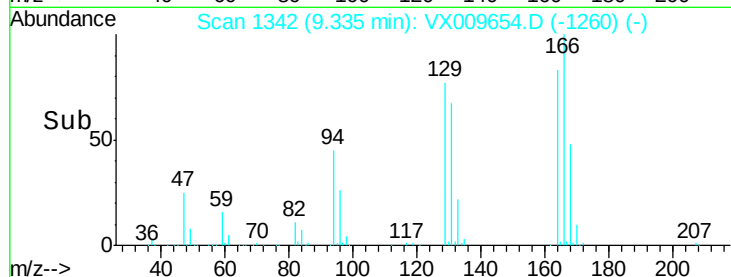


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.526 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX009654.D

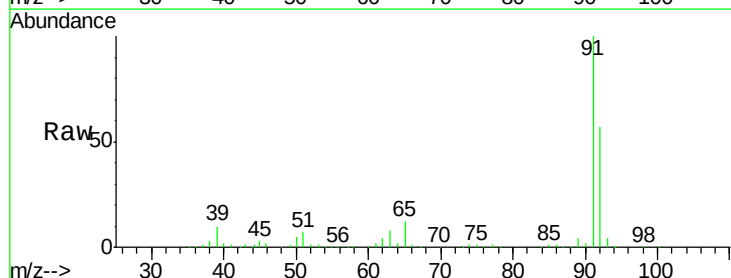
Acq: 17 May 2019 11:22

Tgt Ion: 91 Resp: 153147

Ion Ratio Lower Upper

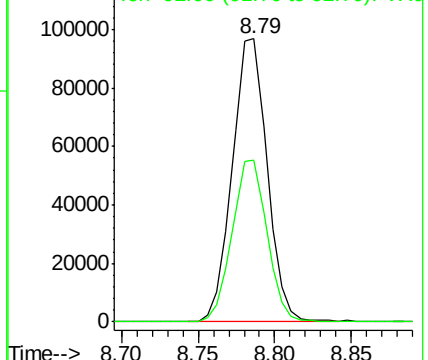
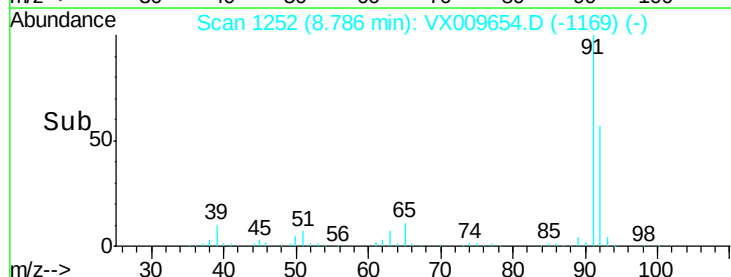
91 100

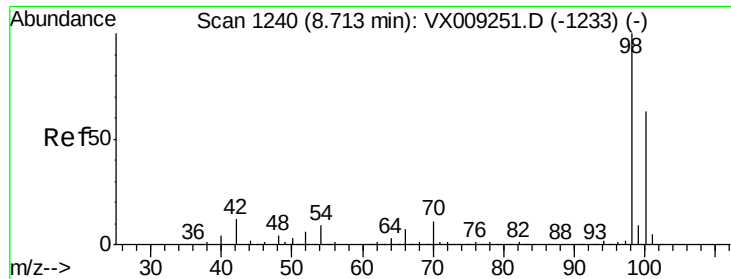
92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

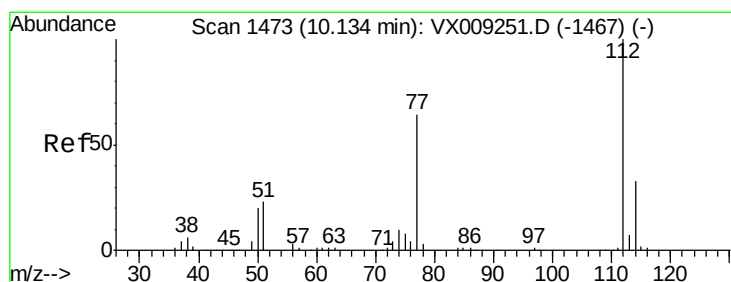
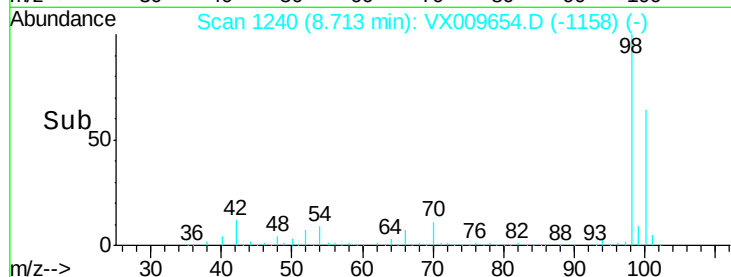
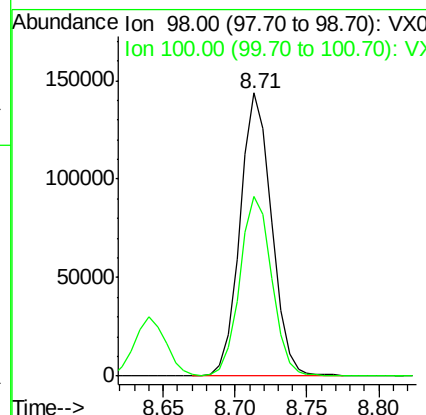
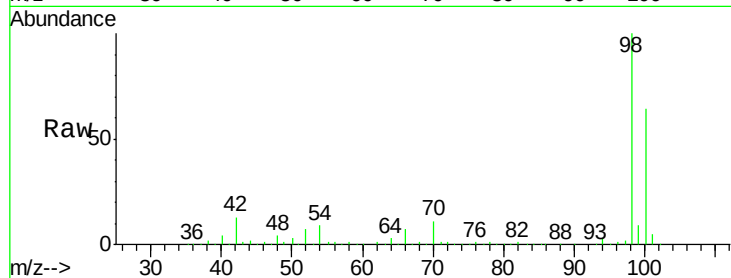




#63
Toluene-d8
Concen: 29.901 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

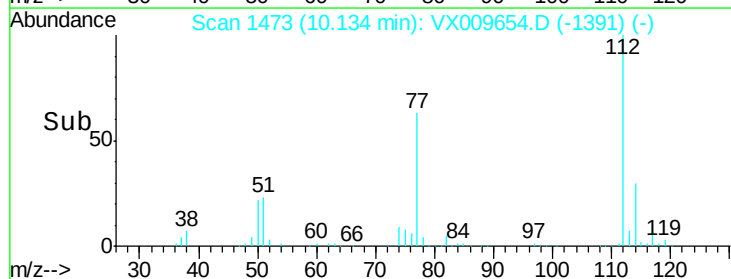
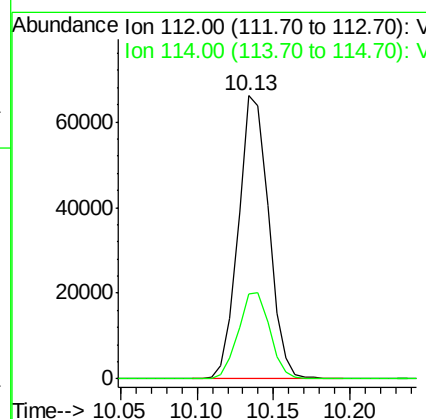
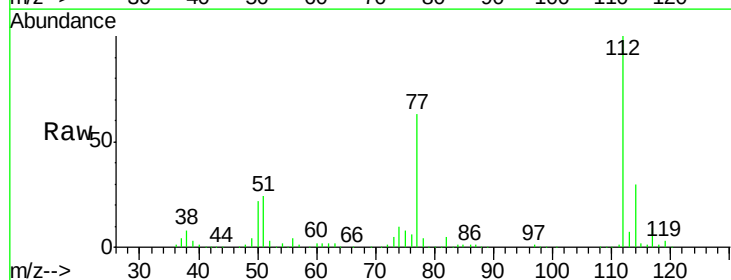
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

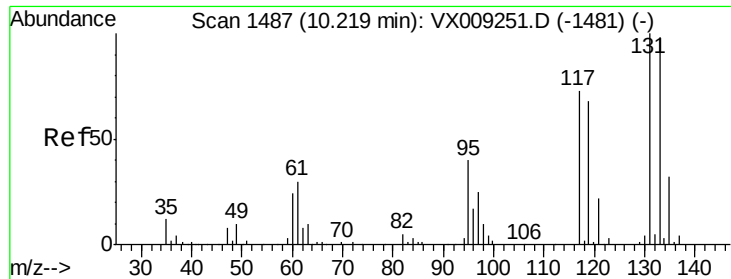
Tot Ion: 98 Resp: 219312
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#64
Chlorobenzene
Concen: 18.334 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion: 112 Resp: 91212
Ion Ratio Lower Upper
112 100
114 30.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.084 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

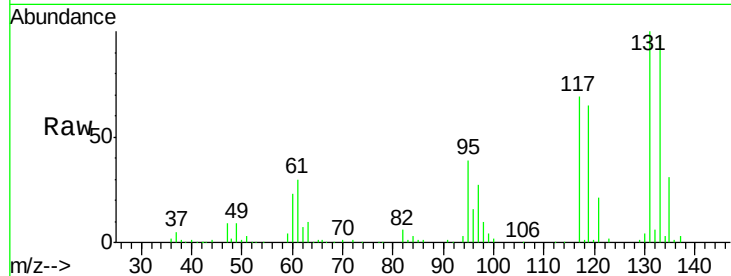
Tot Ion:131 Resp: 32943

Ion Ratio Lower Upper

131 100

133 96.3 0.0 191.2

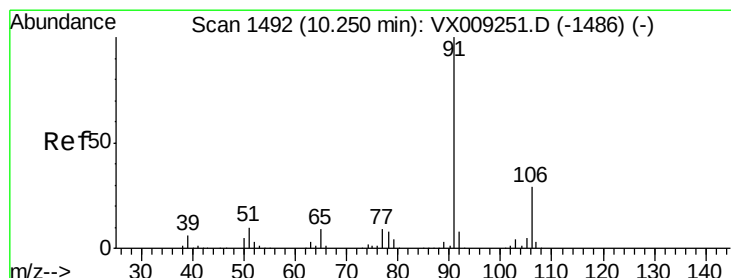
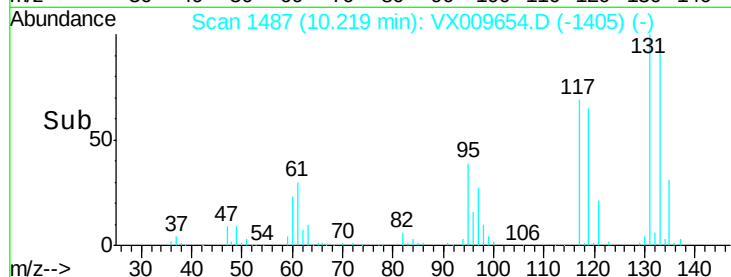
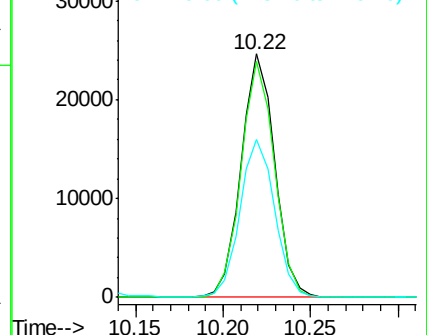
119 66.9 0.0 135.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.303 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009654.D

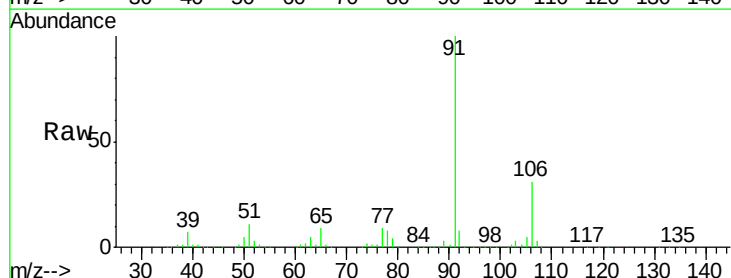
Acq: 17 May 2019 11:22

Tgt Ion: 91 Resp: 168553

Ion Ratio Lower Upper

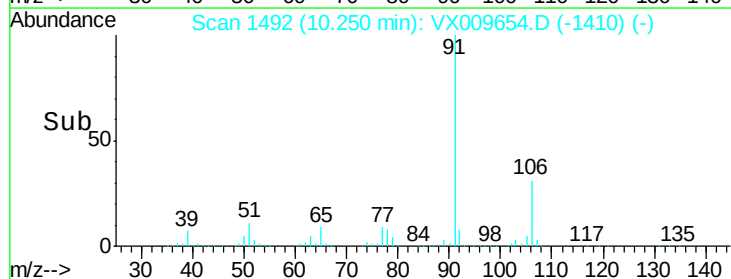
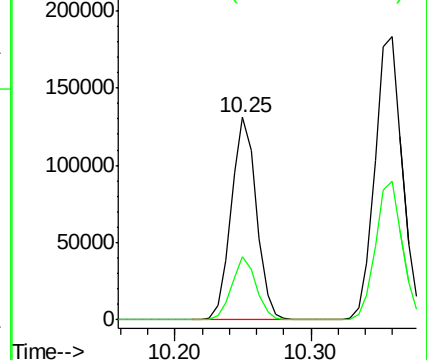
91 100

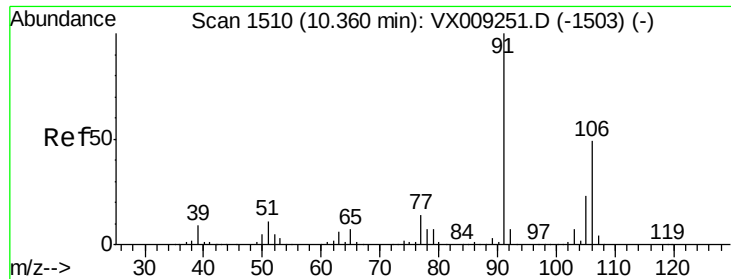
106 30.9 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

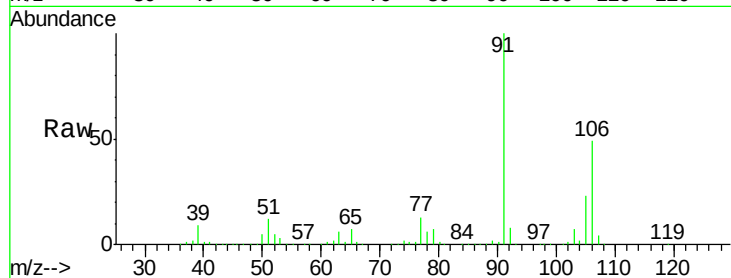




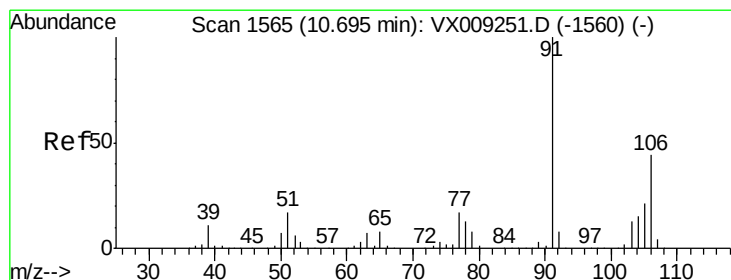
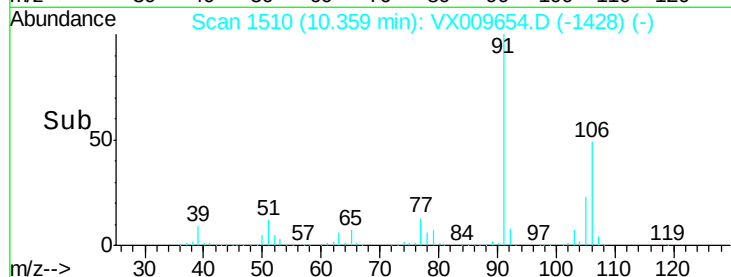
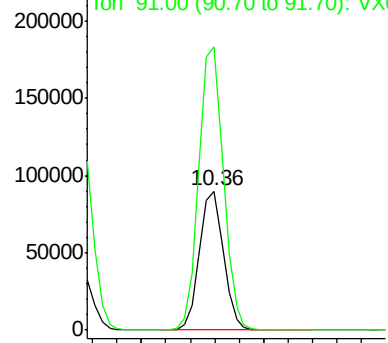
#67
m/p-Xylenes
Concen: 36.471 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion:106 Resp: 122628
Ion Ratio Lower Upper
106 100
91 208.0 166.8 250.2

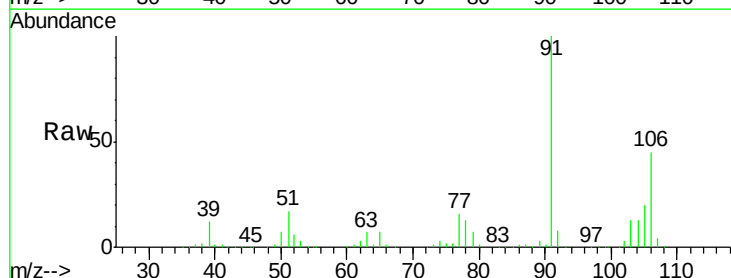


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

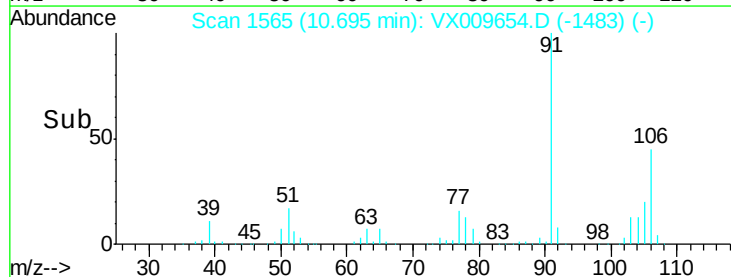
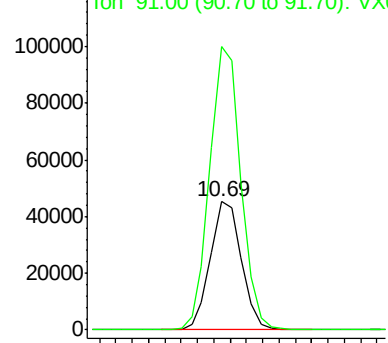


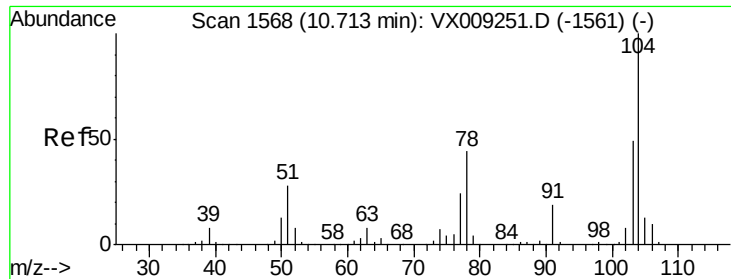
#68
o-Xylene
Concen: 18.322 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion:106 Resp: 60574
Ion Ratio Lower Upper
106 100
91 220.0 110.8 332.3



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

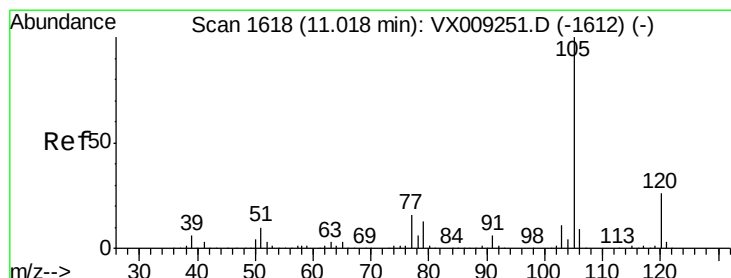
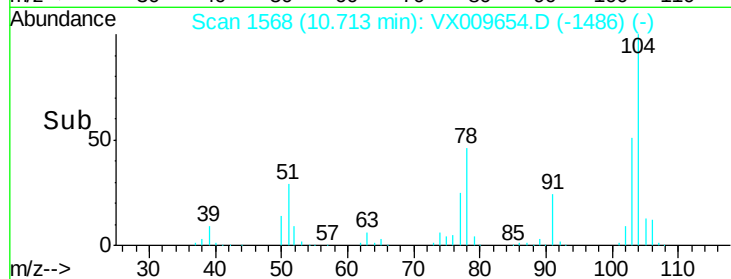
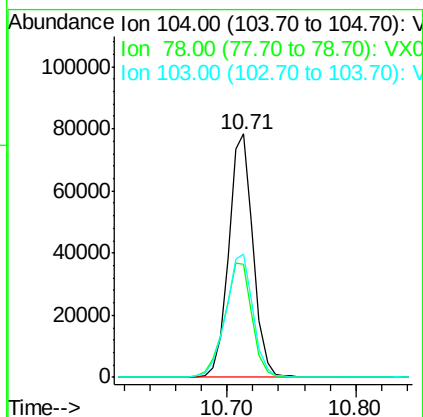
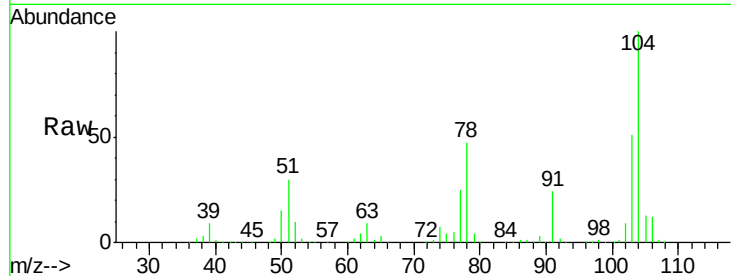




#69
Stvrene
Concen: 17.913 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

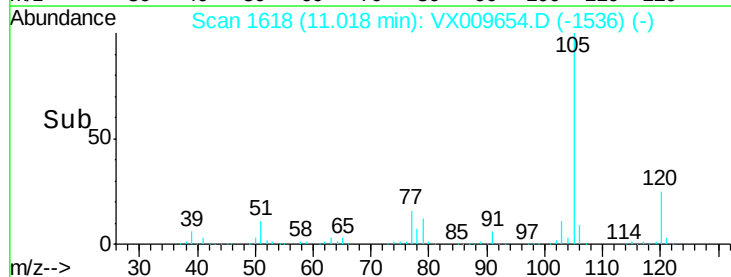
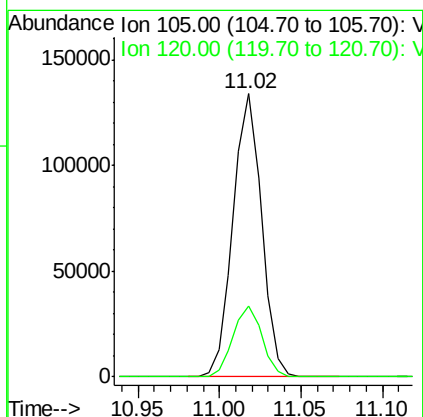
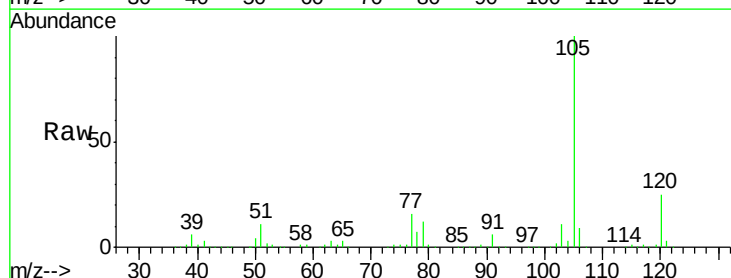
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS01

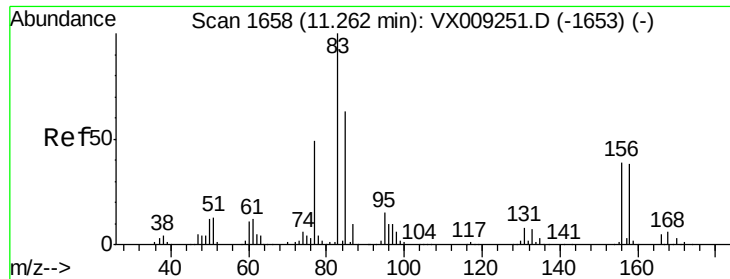
Tot Ion:104 Resp: 103961
Ion Ratio Lower Upper
104 100
78 52.9 41.1 61.7
103 56.4 43.8 65.8



#70
Isopropylbenzene
Concen: 18.401 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion:105 Resp: 163612
Ion Ratio Lower Upper
105 100
120 25.5 18.1 33.7

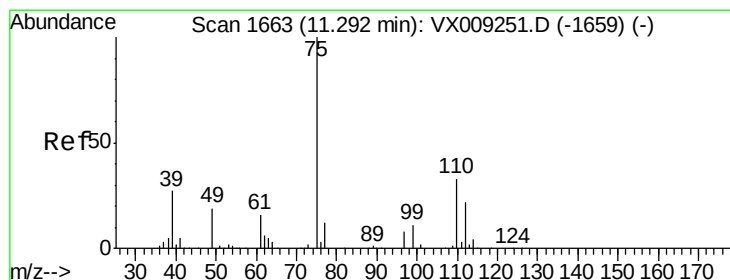
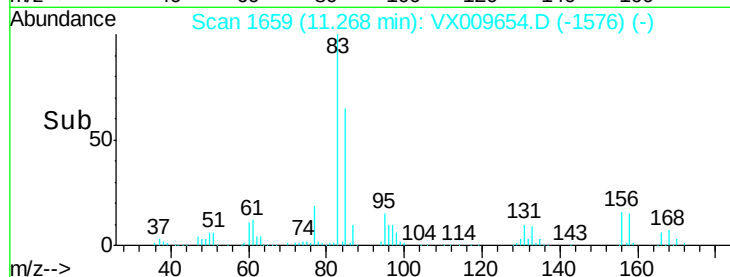
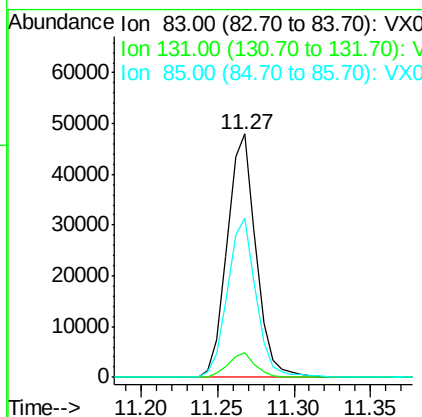
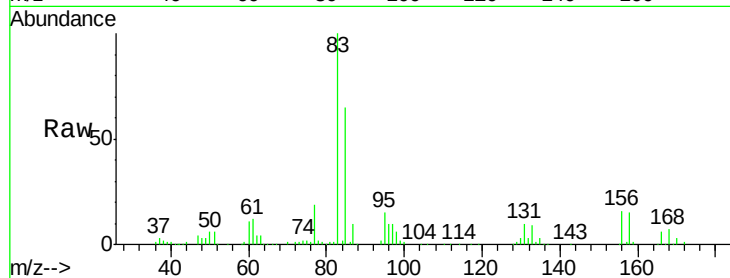




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.259 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

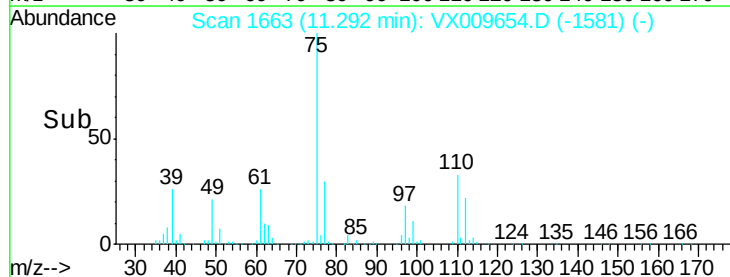
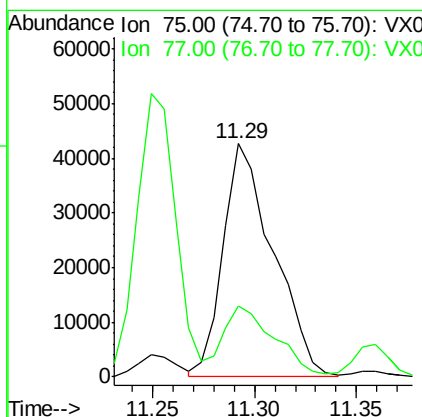
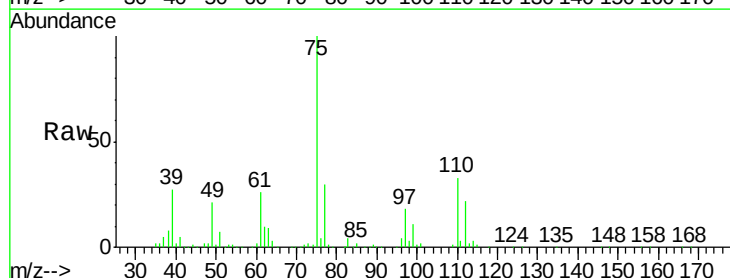
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

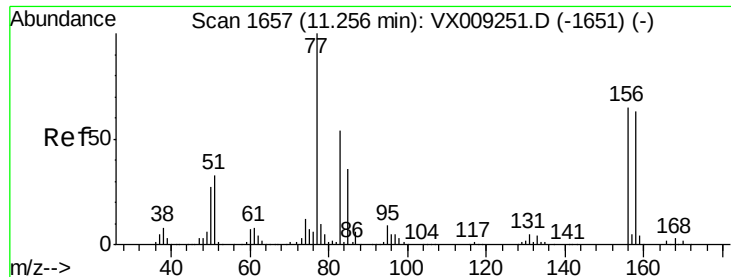
Tot Ion: 83 Resp: 62713
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.7 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 26.001 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion: 75 Resp: 72962
 Ion Ratio Lower Upper
 75 100
 77 31.3 0.0 86.4





#73

Bromobenzene

Concen: 18.404 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

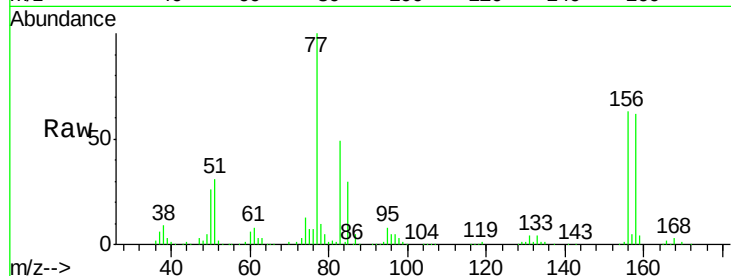
Tot Ion:156 Resp: 40430

Ion Ratio Lower Upper

156 100

77 169.8 0.0 335.6

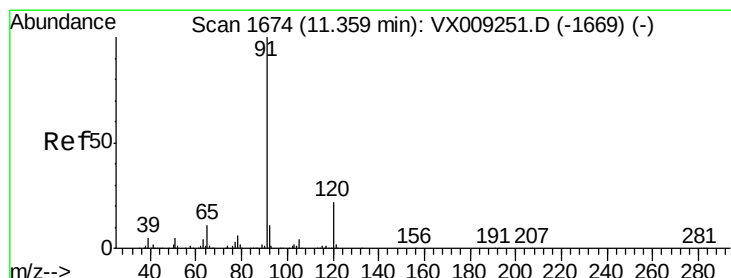
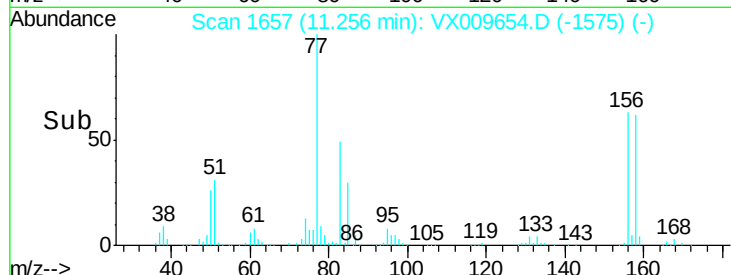
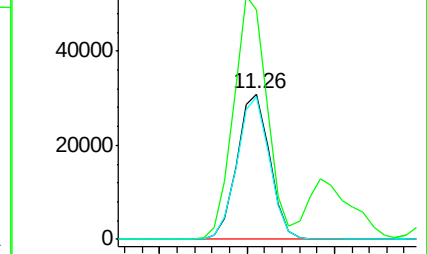
158 97.2 0.0 191.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.072 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009654.D

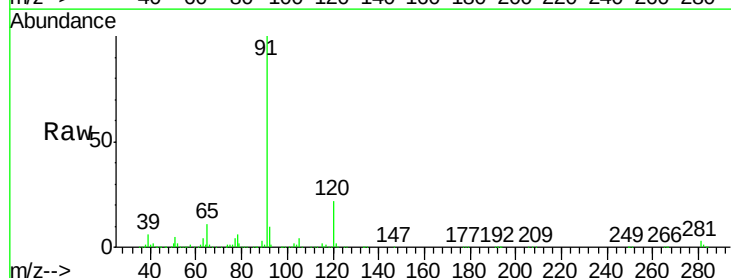
Acq: 17 May 2019 11:22

Tgt Ion: 91 Resp: 186204

Ion Ratio Lower Upper

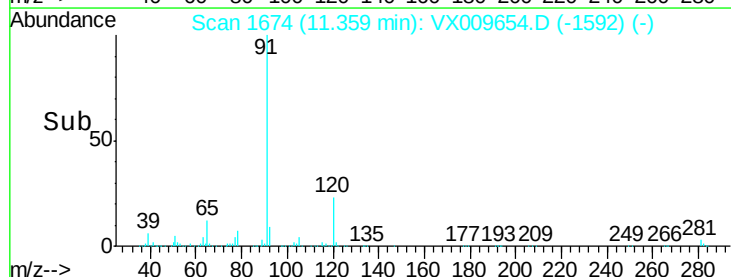
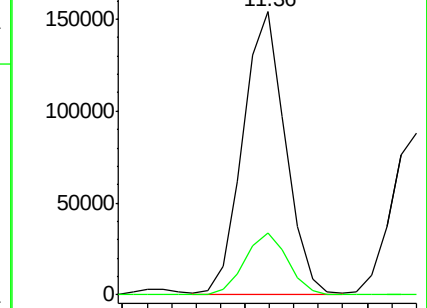
91 100

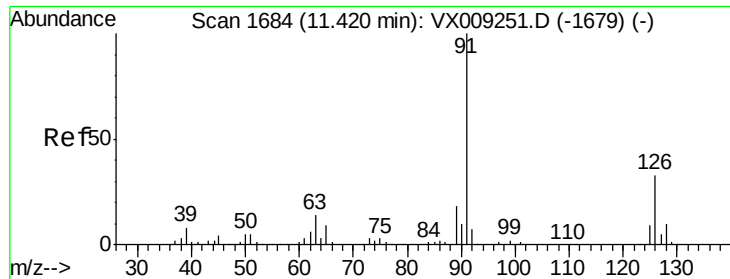
120 22.0 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.277 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

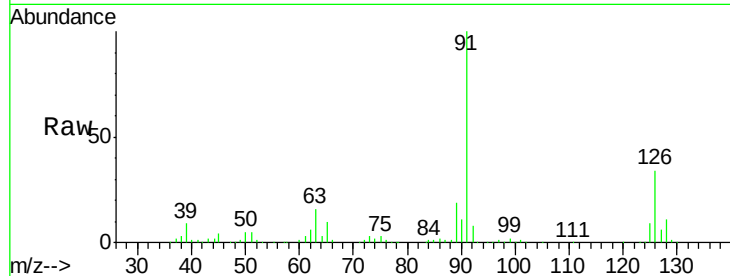
VX0517WBS01

Tot Ion: 91 Resp: 112953

Ion Ratio Lower Upper

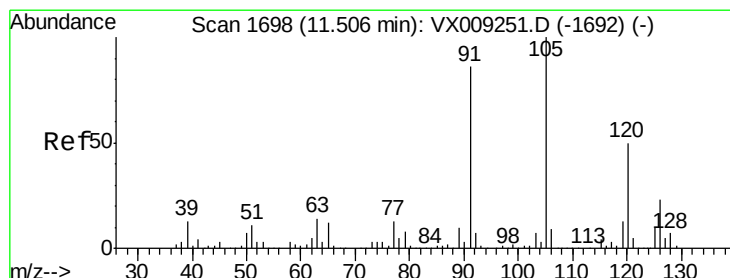
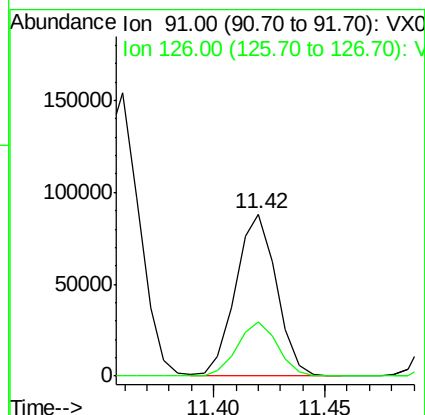
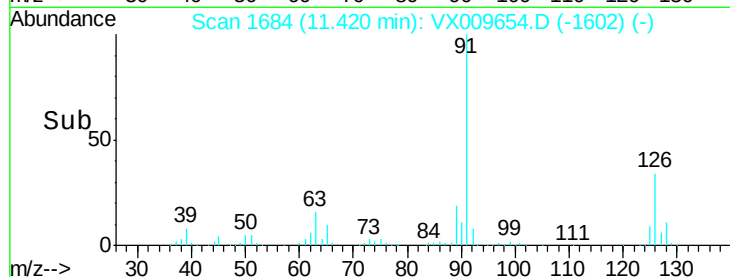
91 100

126 32.6 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.120 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009654.D

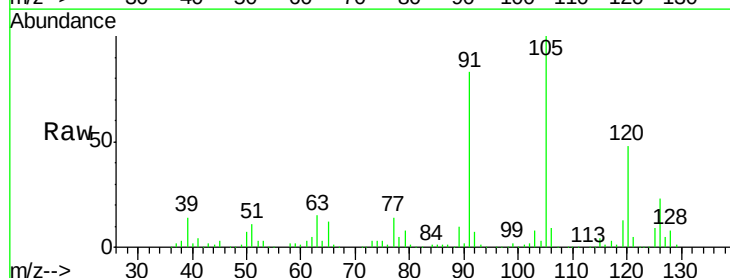
Acq: 17 May 2019 11:22

Tgt Ion:105 Resp: 136470

Ion Ratio Lower Upper

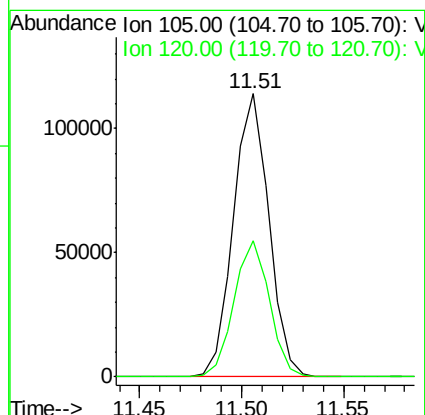
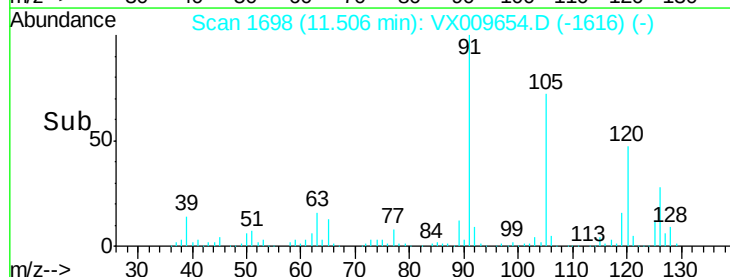
105 100

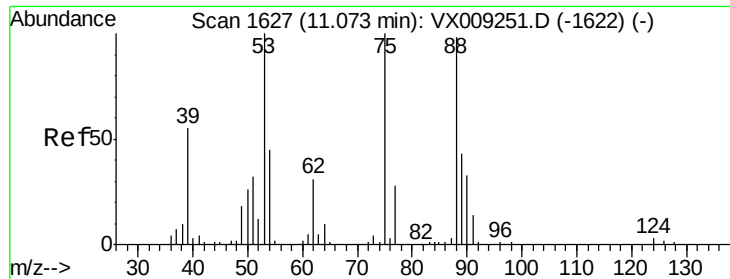
120 48.4 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 16.892 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

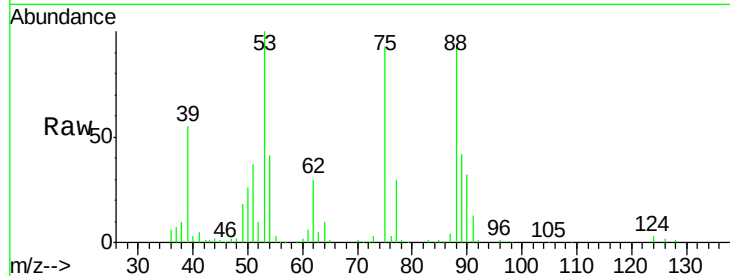
Tot Ion: 75 Resp: 19120

Ion Ratio Lower Upper

75 100

53 107.9 50.0 149.8

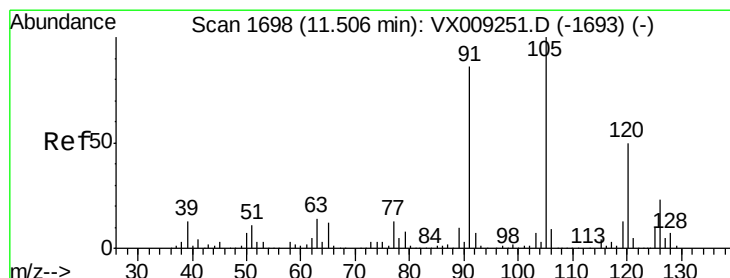
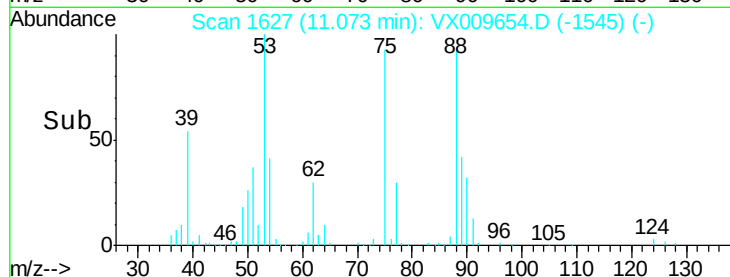
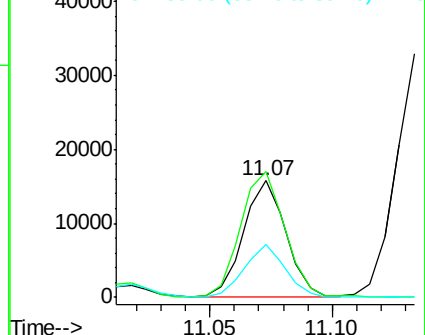
89 45.8 21.6 65.0



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: 17.935 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009654.D

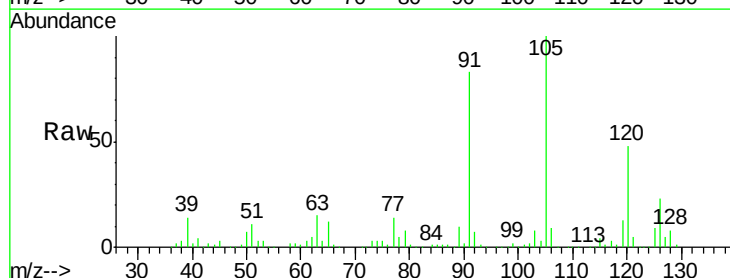
Acq: 17 May 2019 11:22

Tgt Ion: 91 Resp: 125889

Ion Ratio Lower Upper

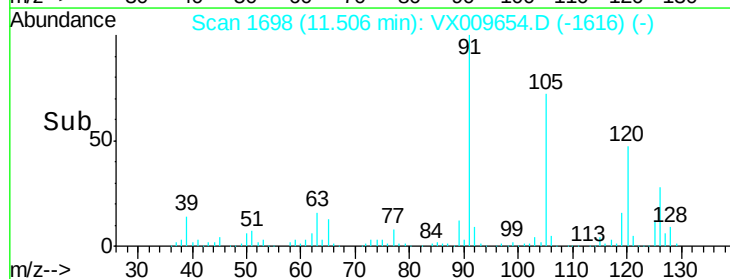
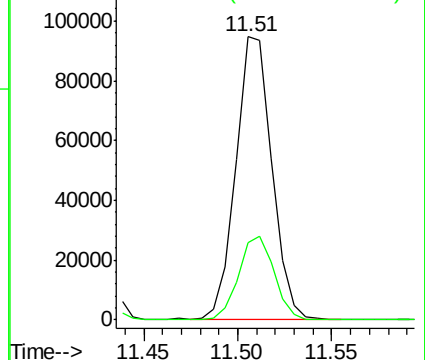
91 100

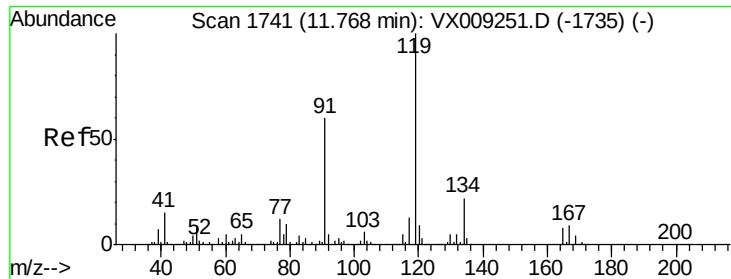
126 28.7 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

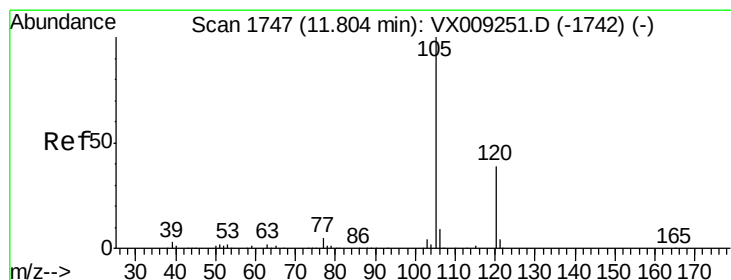
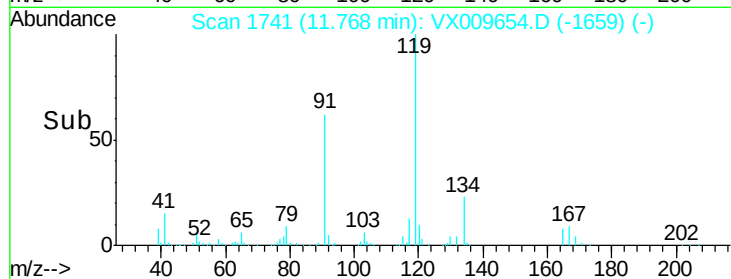
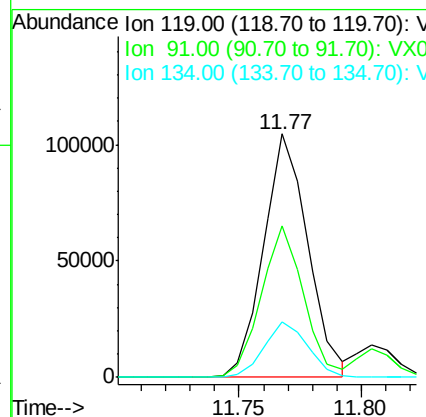
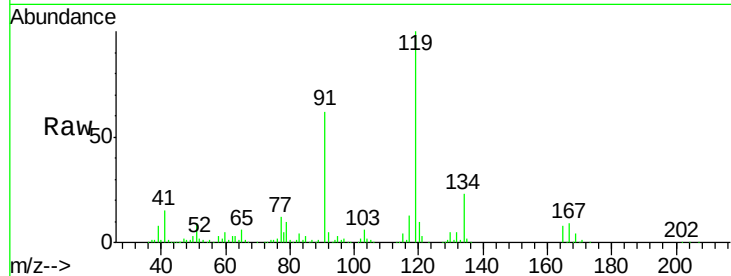




#79
tert-butylbenzene
Concen: 18.050 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

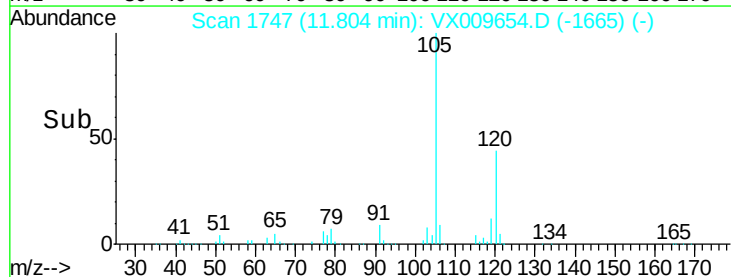
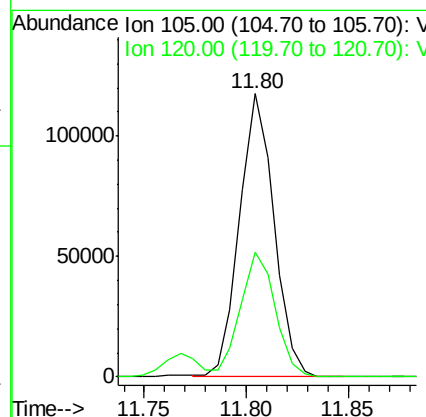
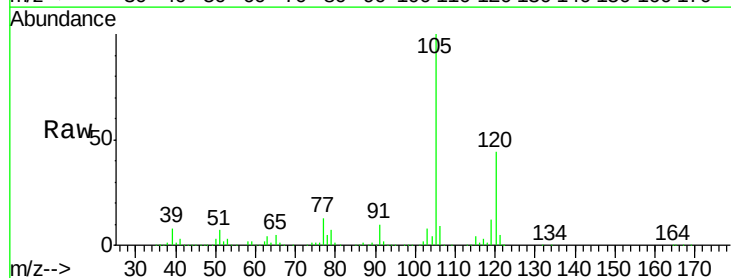
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS01

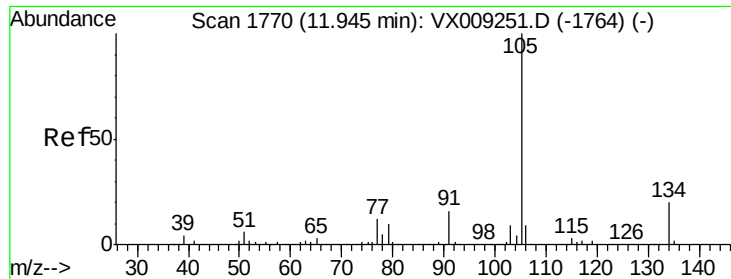
Tot Ion:119 Resp: 131423
Ion Ratio Lower Upper
119 100
91 59.9 0.0 118.2
134 22.7 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 18.216 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009654.D
Acq: 17 May 2019 11:22

Tgt Ion:105 Resp: 137507
Ion Ratio Lower Upper
105 100
120 43.9 0.0 89.6

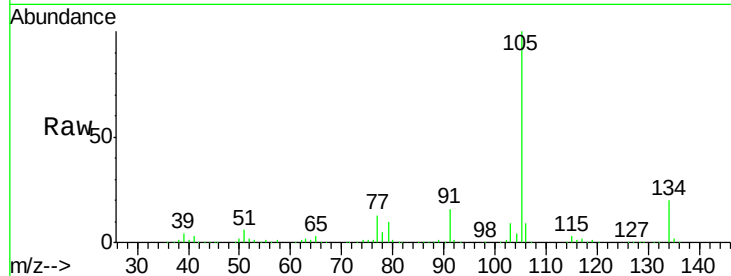




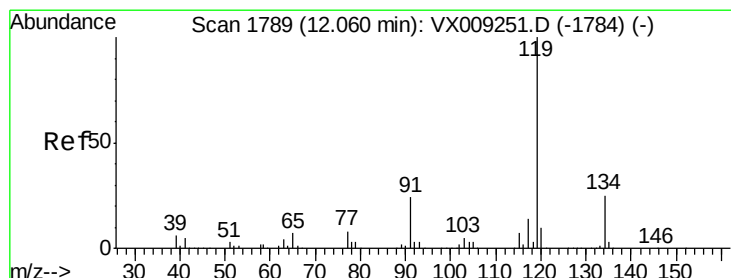
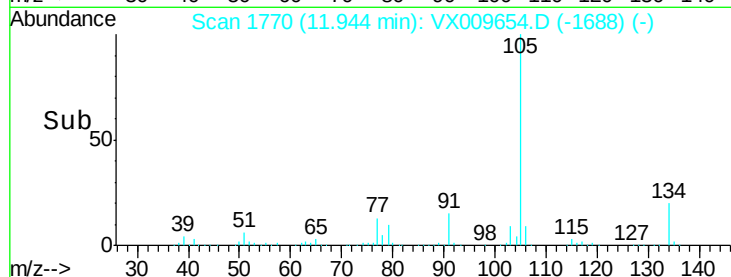
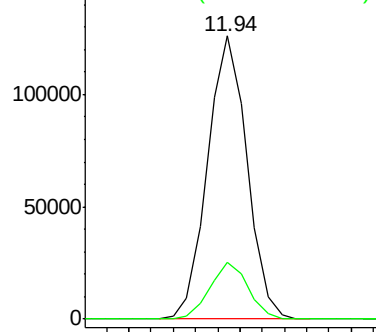
#81
 sec-Butylbenzene
 Concen: 18.003 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0517WBS01

Tot Ion:105 Resp: 155735
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.6

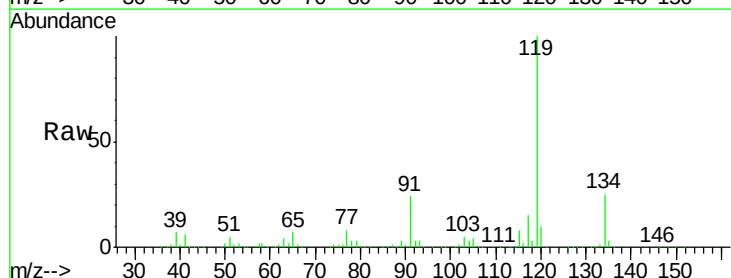


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

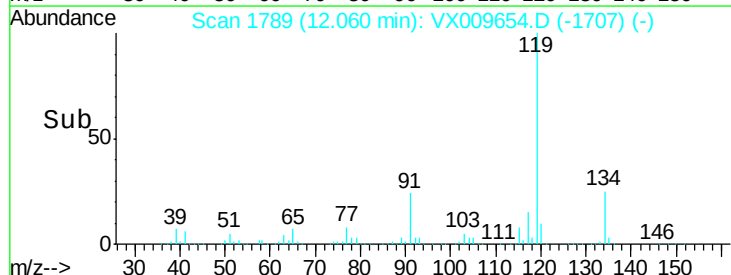
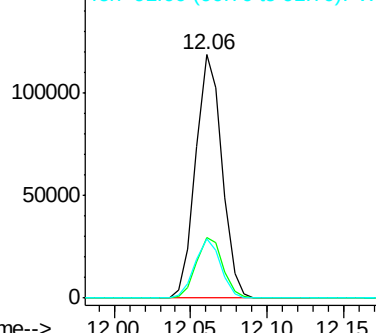


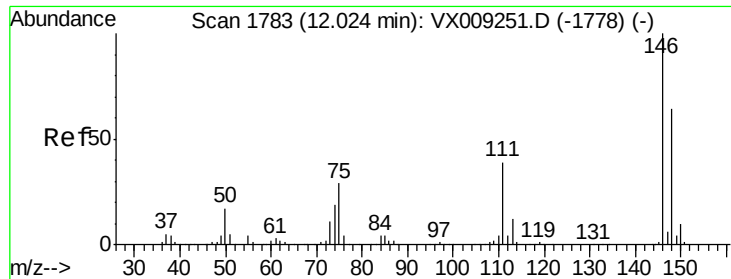
#82
 p-Isopropyltoluene
 Concen: 17.987 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion:119 Resp: 141540
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 50.8
 91 23.7 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.035 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

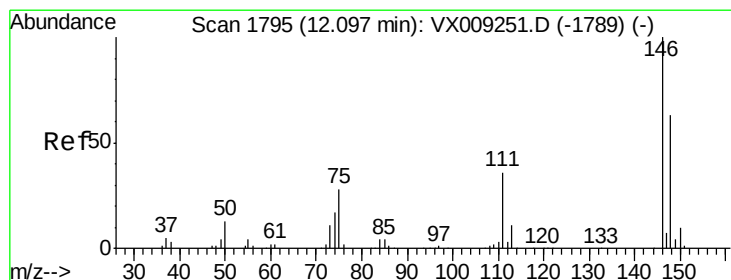
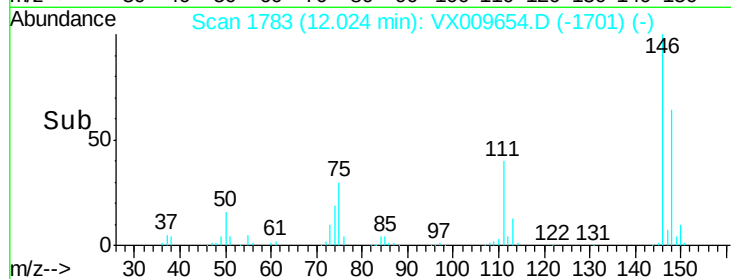
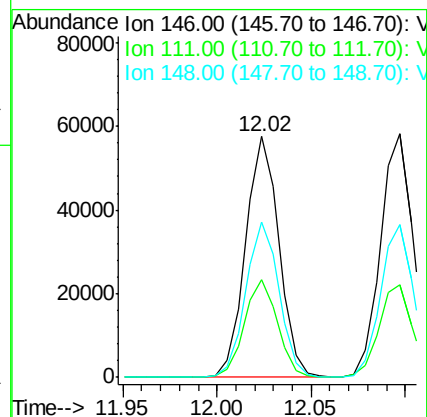
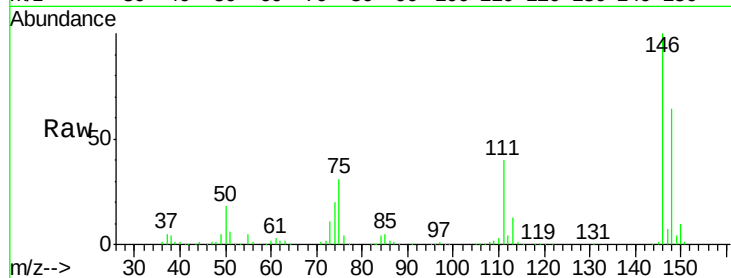
Tot Ion:146 Resp: 70754

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

148 64.3 32.2 96.6



#84

1,4-Dichlorobenzene

Concen: 18.112 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

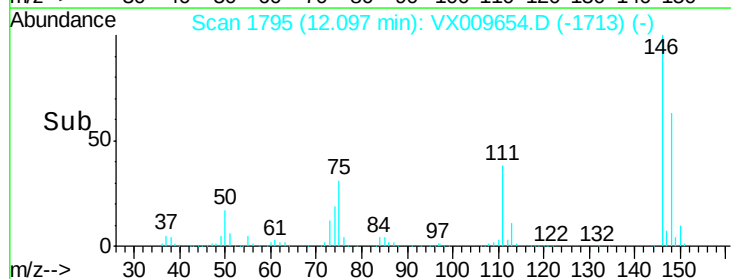
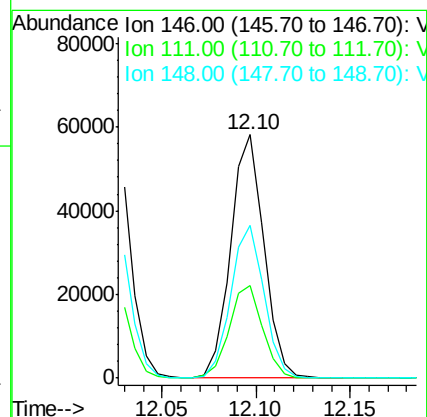
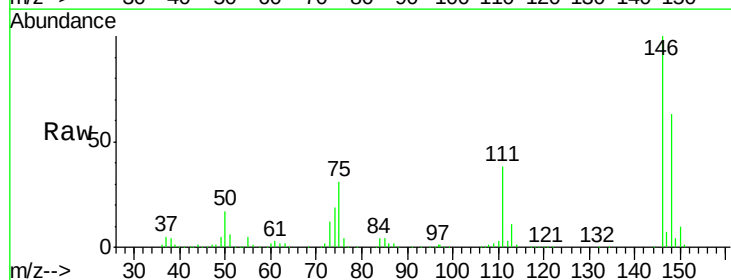
Tgt Ion:146 Resp: 70792

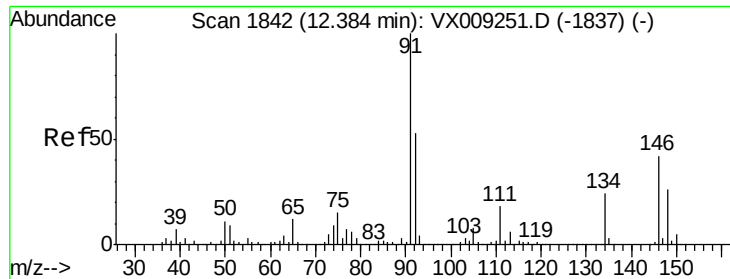
Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

148 63.3 32.3 96.8





#85

n-Butylbenzene

Concen: 17.327 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

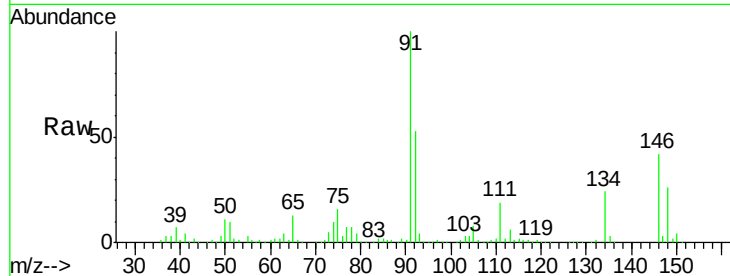
Tot Ion: 91 Resp: 124760

Ion Ratio Lower Upper

91 100

92 52.9 0.0 106.6

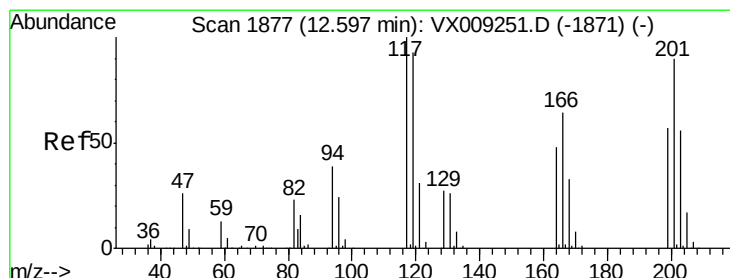
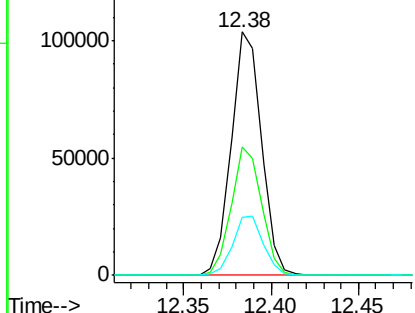
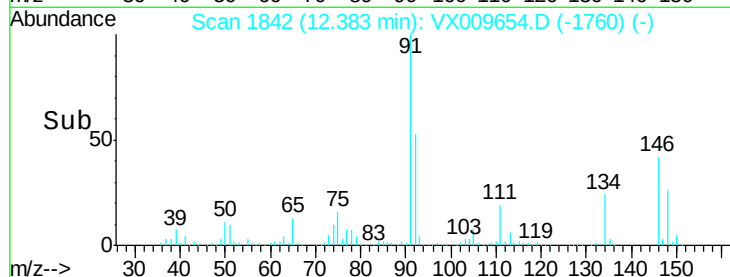
134 24.6 0.0 50.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 17.427 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009654.D

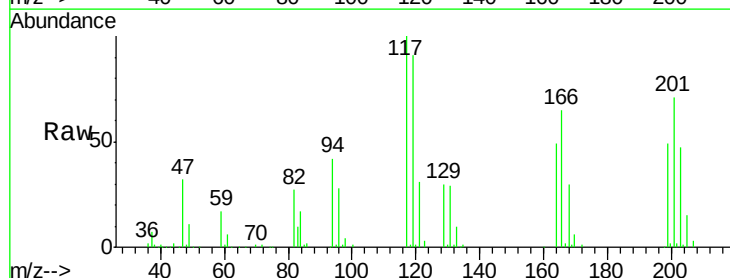
Acq: 17 May 2019 11:22

Tgt Ion: 117 Resp: 23334

Ion Ratio Lower Upper

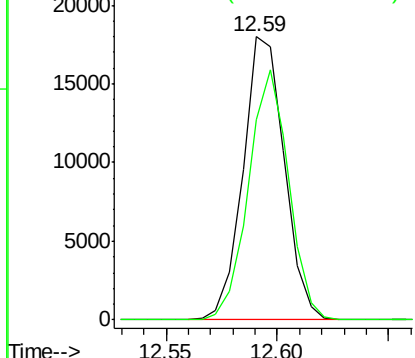
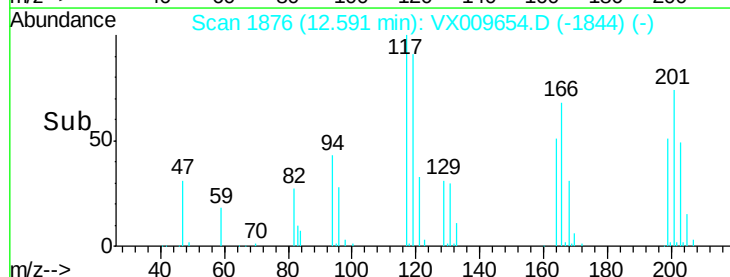
117 100

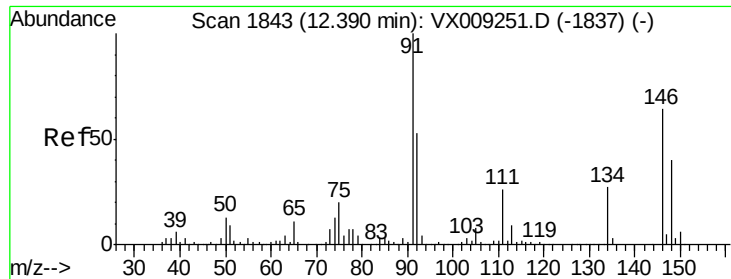
201 85.4 41.8 125.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

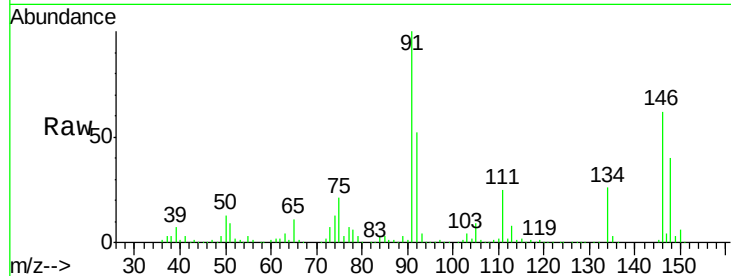




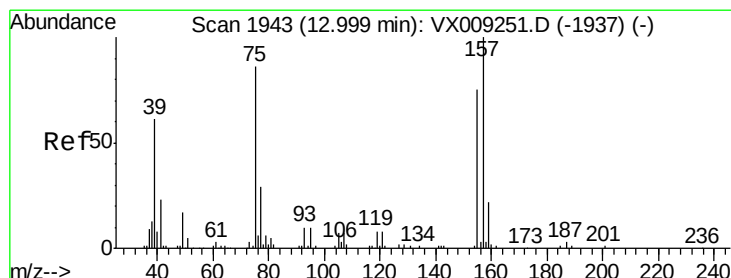
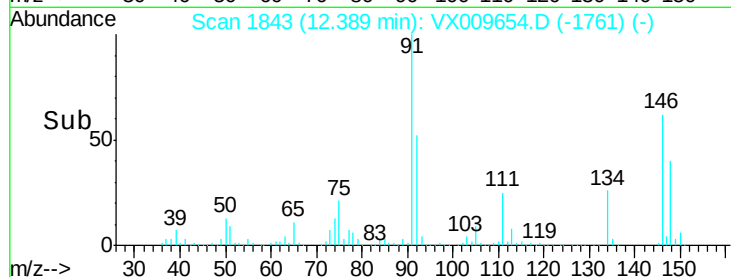
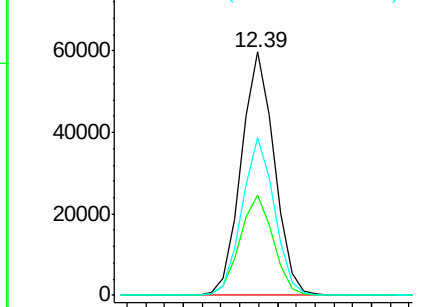
#87
 1,2-Dichlorobenzene
 Concen: 18.472 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion:146 Resp: 72949
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.2
 148 63.6 31.4 94.3

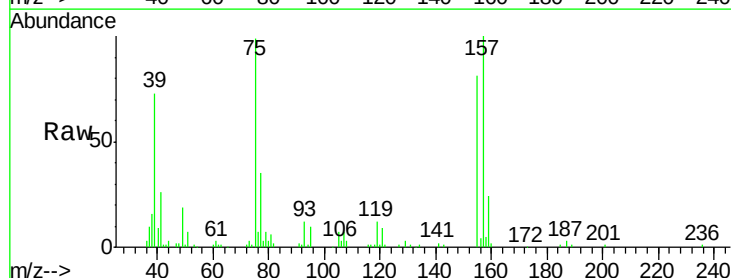


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

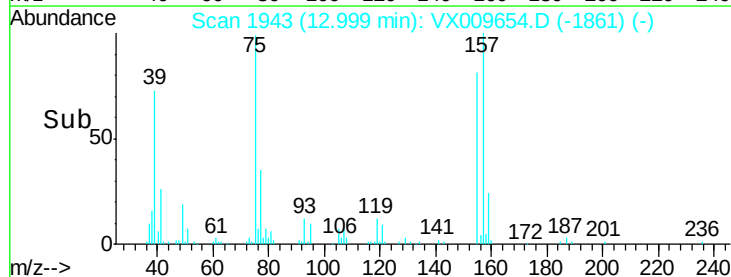
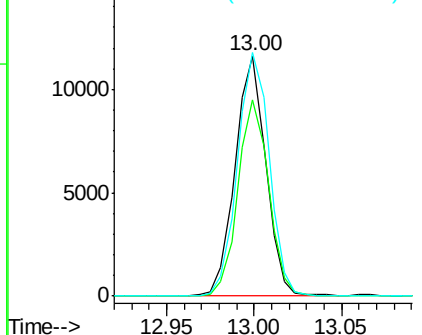


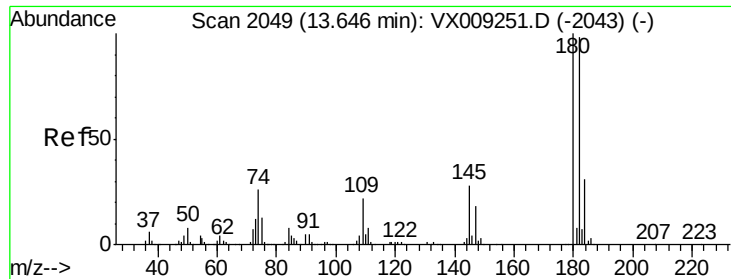
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.812 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion: 75 Resp: 14235
 Ion Ratio Lower Upper
 75 100
 155 81.5 65.9 98.9
 157 104.6 85.2 127.8



Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

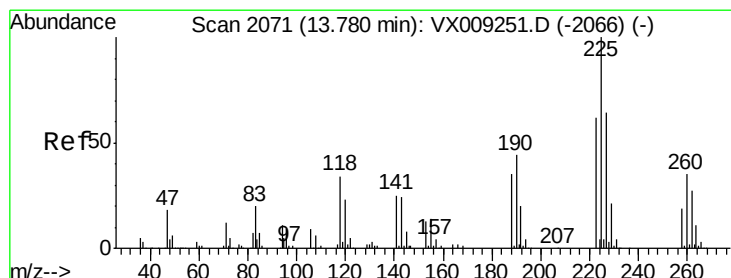
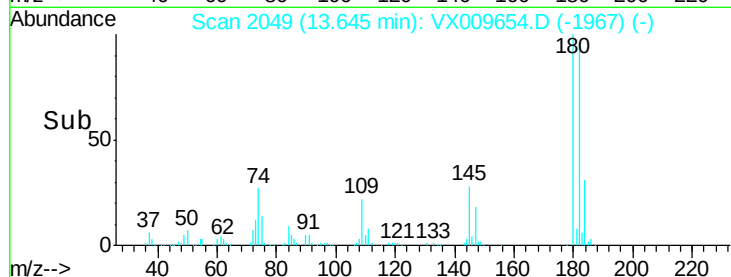
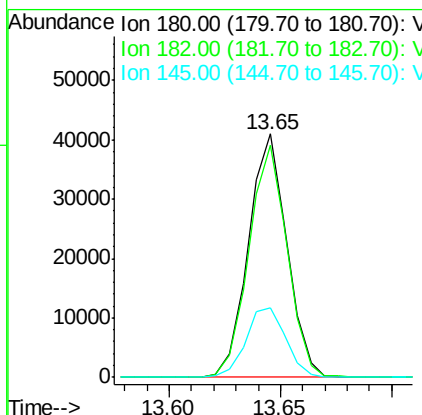
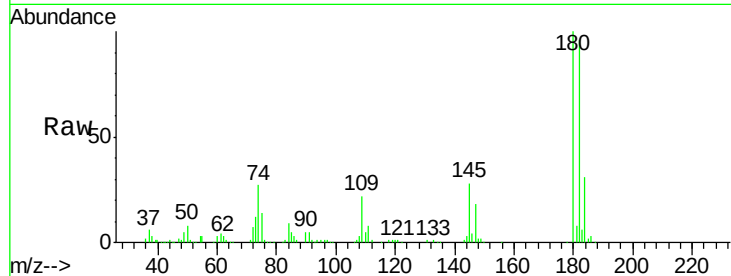




#89
 1,2,4-Trichlorobenzene
 Concen: 17.548 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

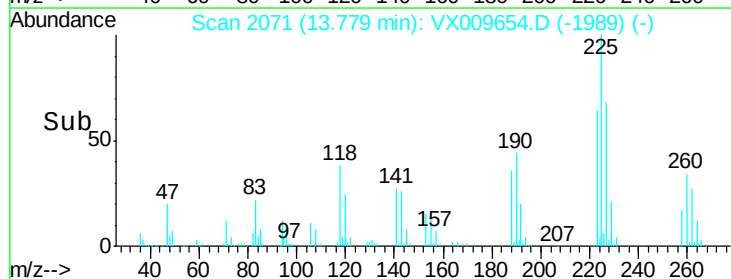
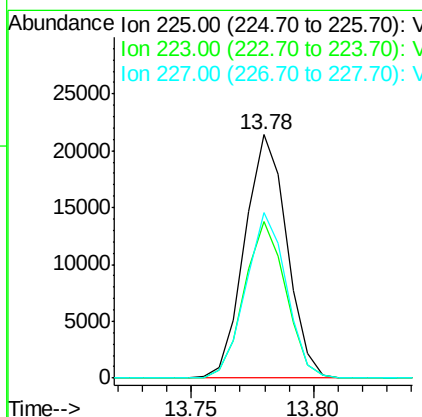
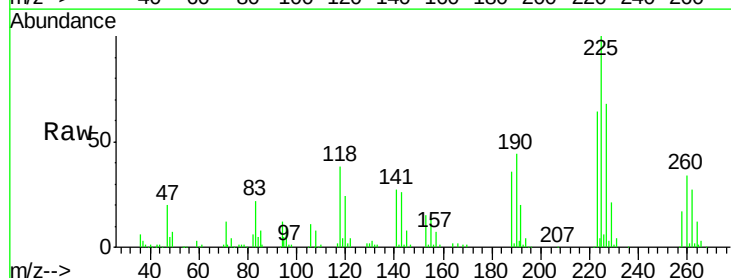
Instrument :
 MSVOA_X
 ClientSampled :
 VX0517WBS01

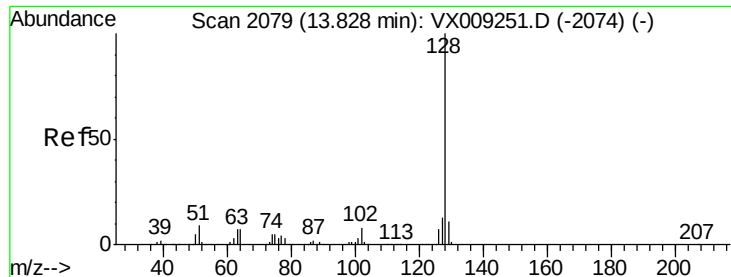
Tot Ion:180 Resp: 49393
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.9 115.3
 145 29.7 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 18.287 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009654.D
 Acq: 17 May 2019 11:22

Tgt Ion:225 Resp: 25712
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 126.6
 227 65.8 0.0 130.0





#91

Naphthalene

Concen: 17.614 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

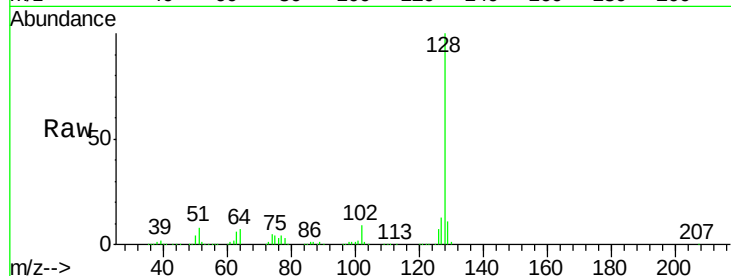
Tot Ion:128 Resp: 162334

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

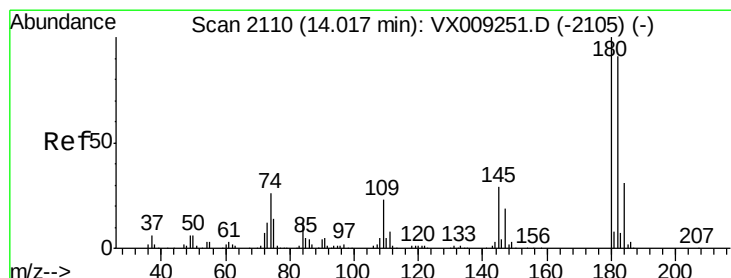
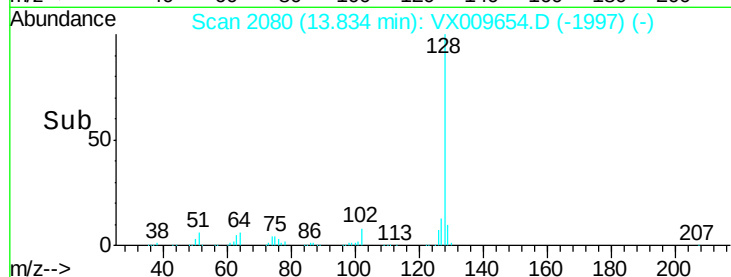
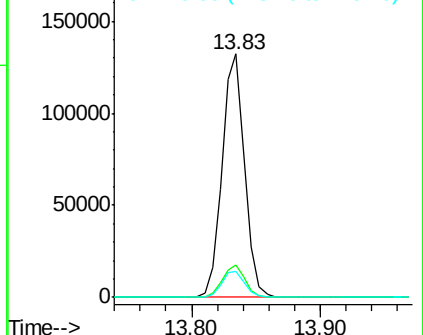
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.074 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009654.D

Acq: 17 May 2019 11:22

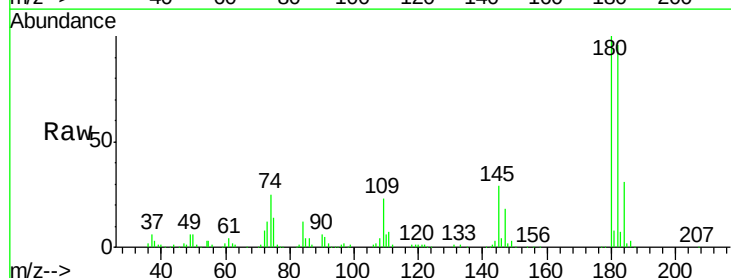
Tgt Ion:180 Resp: 51716

Ion Ratio Lower Upper

180 100

182 95.0 0.0 189.0

145 30.1 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

