

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008079.D
 Acq On : 14 Mar 2019 19:47
 Operator : JC/SP
 Sample : VX0314WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

Quant Time: Mar 15 04:26:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	440768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	389450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192632	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	148108	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	5.50	113	137572	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.71	98	526302	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.13	95	183811	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	45259	18.316	ug/l	99
3) Chloromethane	1.33	50	47297	16.256	ug/l	99
4) Vinyl Chloride	1.41	62	46222	16.650	ug/l	100
5) Bromomethane	1.64	94	25725	18.078	ug/l	99
6) Chloroethane	1.73	64	30582	20.049	ug/l	99
7) Trichlorofluoromethane	1.93	101	58583	17.582	ug/l	94
8) Diethyl Ether	2.19	74	33119	19.996	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48600	19.516	ug/l	96
10) Methyl Iodide	2.51	142	70905	20.382	ug/l	96
11) Tert butyl alcohol	3.07	59	62293	103.543	ug/l	99
12) 1,1-Dichloroethene	2.38	96	47031	19.982	ug/l	91
13) Acrolein	2.30	56	46723	84.312	ug/l	100
14) Allyl chloride	2.73	41	84258	19.654	ug/l	98
15) Acrylonitrile	3.15	53	148218	101.034	ug/l	99
16) Acetone	2.45	43	134562	91.532	ug/l	97
17) Carbon Disulfide	2.57	76	133356	19.733	ug/l	99
18) Methyl Acetate	2.78	43	67460	21.231	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	160010	20.107	ug/l	100
20) Methylene Chloride	2.86	84	51837	19.743	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	50610	19.957	ug/l	93
22) Diisopropyl ether	3.87	45	170287	19.988	ug/l	97
23) Vinyl Acetate	3.82	43	725506	100.129	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92646	19.838	ug/l	98
25) 2-Butanone	4.70	43	218402	96.786	ug/l	97
26) 2,2-Dichloropropane	4.59	77	64324	18.028	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	58551	19.423	ug/l	97
28) Bromochloromethane	5.02	49	46530	21.095	ug/l	89
29) Tetrahydrofuran	5.15	42	137102	97.328	ug/l	95
30) Chloroform	5.21	83	90622	19.157	ug/l	100
31) Cyclohexane	5.58	56	85787	19.267	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	75749	19.010	ug/l	97
36) 1,1-Dichloropropene	5.80	75	69404	19.140	ug/l	99
37) Ethyl Acetate	4.85	43	76800	19.706	ug/l	97
38) Carbon Tetrachloride	5.78	117	63987	18.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87103	18.793	ug/l	99
40) Benzene	6.14	78	215923	19.437	ug/l	98
41) Methacrylonitrile	5.06	41	44134	19.451	ug/l	97
42) 1,2-Dichloroethane	6.20	62	67433	18.976	ug/l	99
43) Isopropyl Acetate	6.46	43	121269	19.322	ug/l	97
44) Trichloroethene	7.21	130	60502	18.872	ug/l	100
45) 1,2-Dichloropropane	7.51	63	55777	19.033	ug/l	99
46) Dibromomethane	7.66	93	35339	19.239	ug/l	97
47) Bromodichloromethane	7.90	83	63446	18.162	ug/l	98
48) Methyl methacrylate	7.77	41	61989	18.911	ug/l	95
49) 1,4-Dioxane	7.75	88	28079	397.169	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	396193	95.781	ug/l	97
52) Toluene	8.79	92	135234	19.152	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	68672	17.933	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	79988	18.794	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	55278	19.226	ug/l	98
56) Ethyl methacrylate	9.18	69	83010	19.545	ug/l	95
57) 1,3-Dichloropropane	9.37	76	89286	18.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	234535	93.870	ug/l	96
59) 2-Hexanone	9.49	43	303221	93.732	ug/l	98
60) Dibromochloromethane	9.58	129	54304	18.326	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57757	19.171	ug/l	99
64) Tetrachloroethene	9.34	164	60768	19.258	ug/l	99
65) Chlorobenzene	10.14	112	151520	19.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	53530	19.517	ug/l	100
67) Ethyl Benzene	10.25	91	248327	19.413	ug/l	100
68) m/p-Xylenes	10.36	106	192683	39.364	ug/l	99
69) o-Xylene	10.69	106	94402	19.784	ug/l	98
70) Styrene	10.71	104	154006	19.701	ug/l	99
71) Bromoform	10.85	173	41420	18.248	ug/l	99
73) Isopropylbenzene	11.02	105	251111	20.353	ug/l	100
74) N-amyl acetate	10.90	43	101323	19.468	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	79925	19.771	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	89209	26.666	ug/l	92
77) Bromobenzene	11.26	156	68268	20.272	ug/l	96
78) n-propylbenzene	11.36	91	267613	19.770	ug/l	99
79) 2-Chlorotoluene	11.42	91	163580	19.788	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	206099	20.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22119	18.814	ug/l	97
82) 4-Chlorotoluene	11.51	91	187523	19.806	ug/l	100
83) tert-Butylbenzene	11.77	119	204575	20.080	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	211617	20.179	ug/l	100
85) sec-Butylbenzene	11.94	105	245182	20.198	ug/l	99
86) p-Isopropyltoluene	12.06	119	220920	20.124	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	116008	19.356	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	116466	19.137	ug/l	99
89) n-Butylbenzene	12.38	91	177155	19.285	ug/l	99
90) Hexachloroethane	12.60	117	33166	18.877	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	116926	19.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15419	18.865	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration

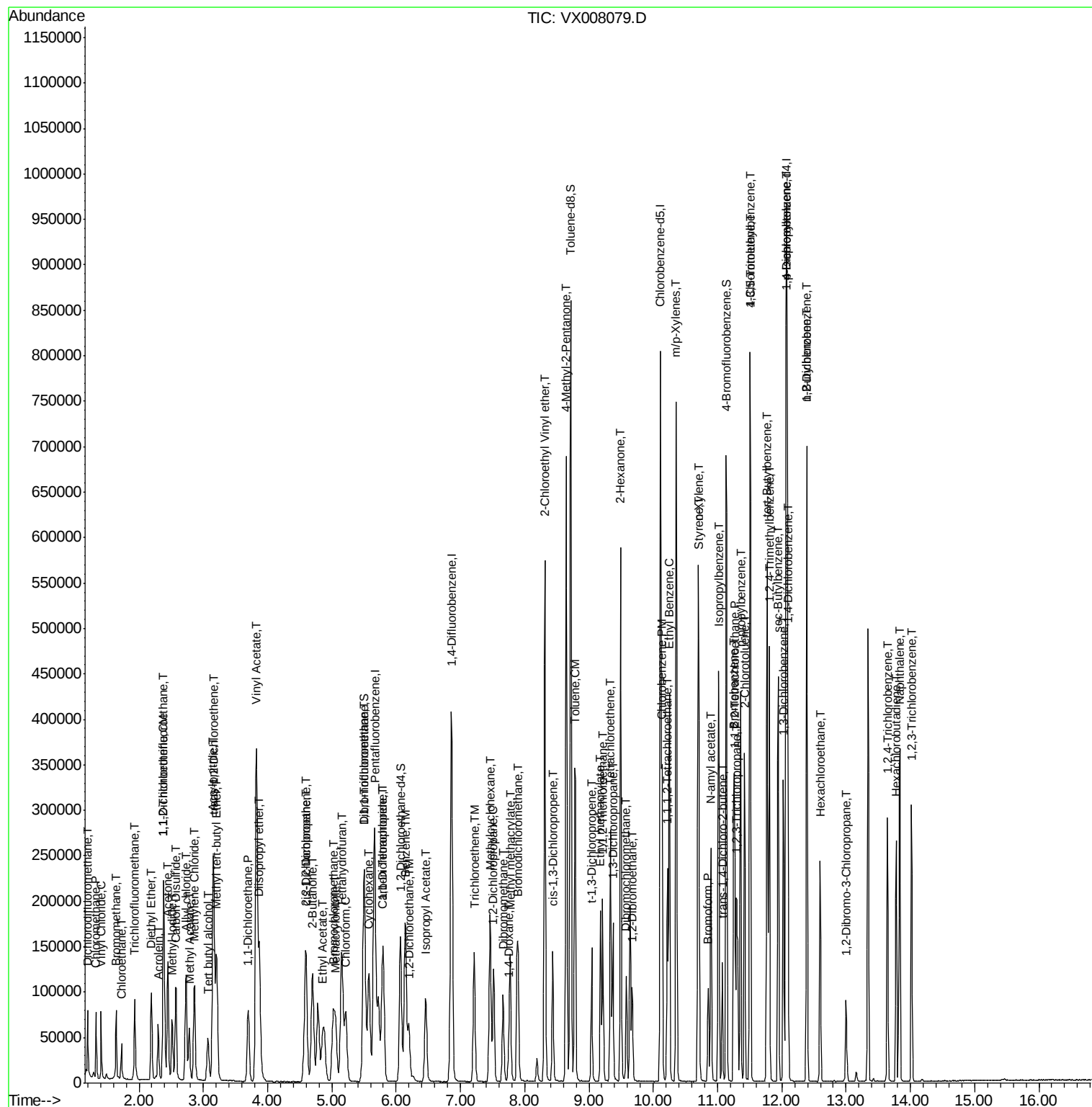
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	81255	19.290	ug/l	100
94) Hexachlorobutadiene	13.78	225	43303	18.922	ug/l	98
95) Naphthalene	13.83	128	239390	20.212	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	80770	19.478	ug/l	98

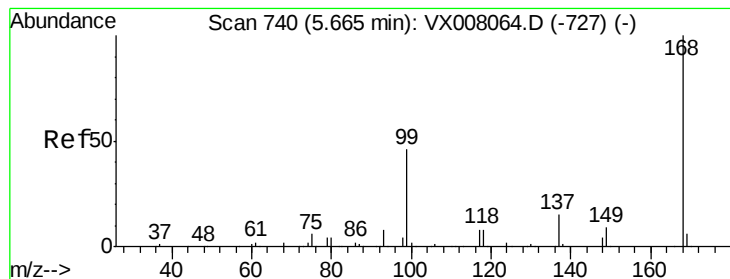
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

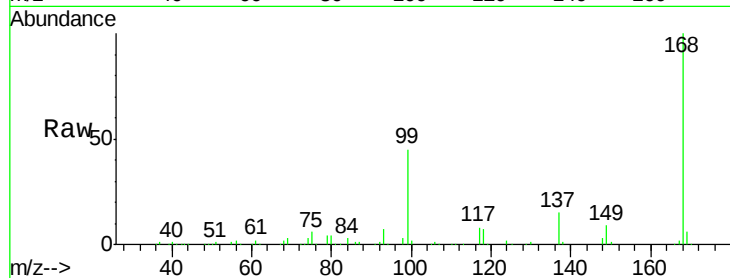
VX0314WBS02

Tot Ion:168 Resp: 308699

Ion Ratio Lower Upper

168 100

99 44.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

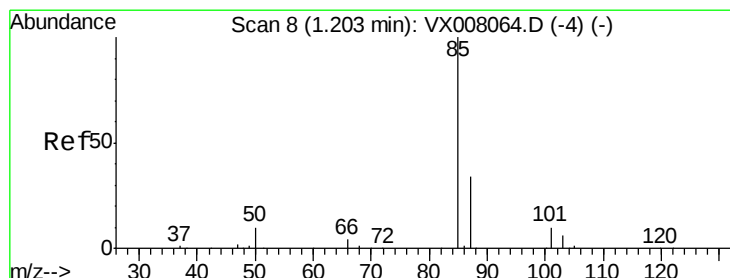
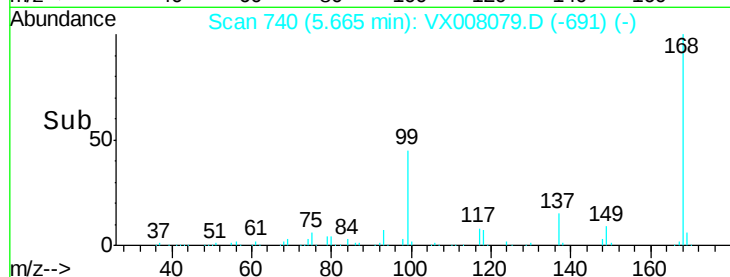
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.316 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008079.D

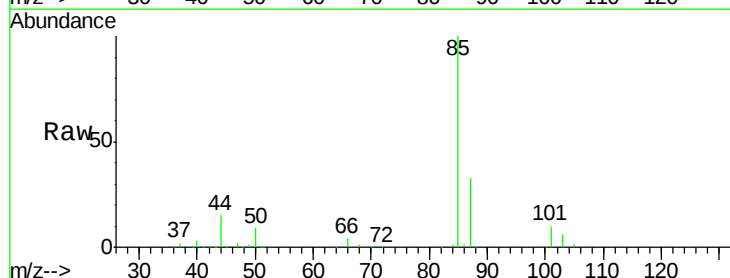
Acq: 14 Mar 2019 19:47

Tgt Ion: 85 Resp: 45259

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

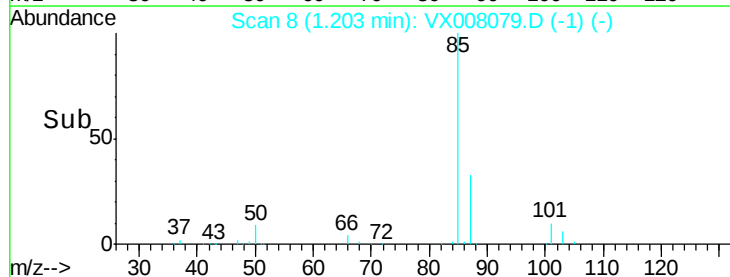
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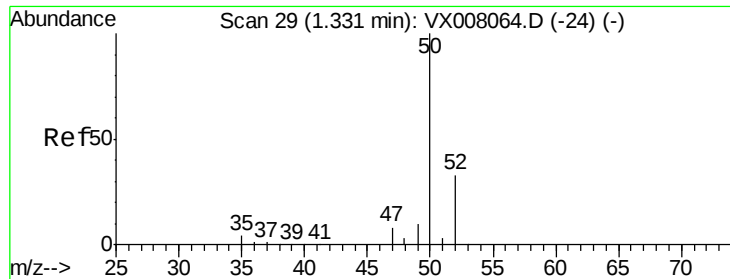
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 16.256 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

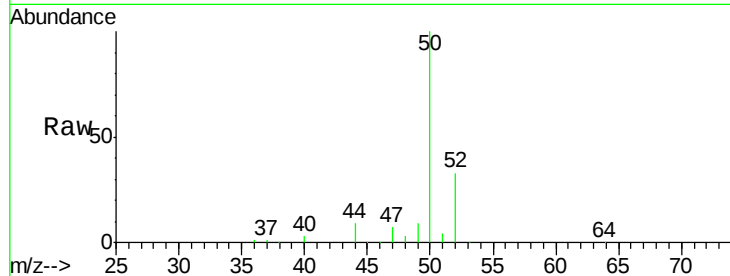
VX0314WBS02

Tot Ion: 50 Resp: 47297

Ion Ratio Lower Upper

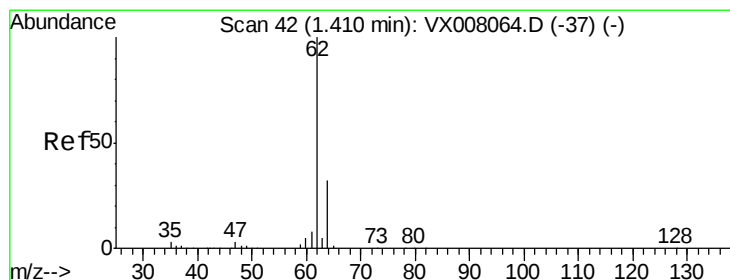
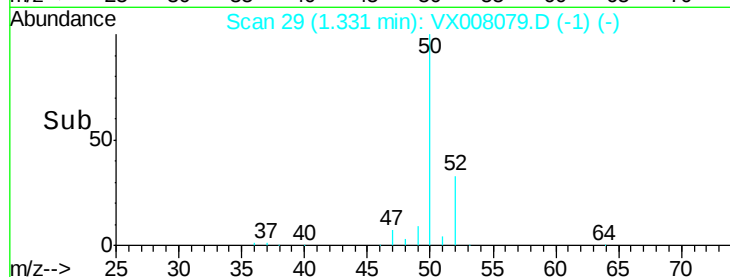
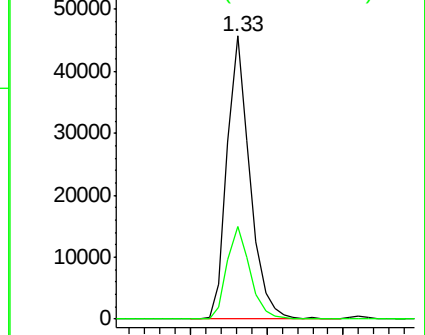
50 100

52 32.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.650 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008079.D

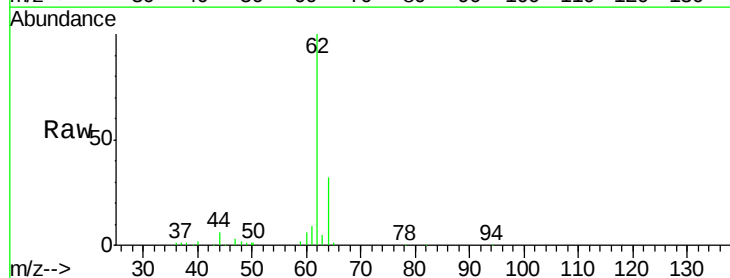
Acq: 14 Mar 2019 19:47

Tgt Ion: 62 Resp: 46222

Ion Ratio Lower Upper

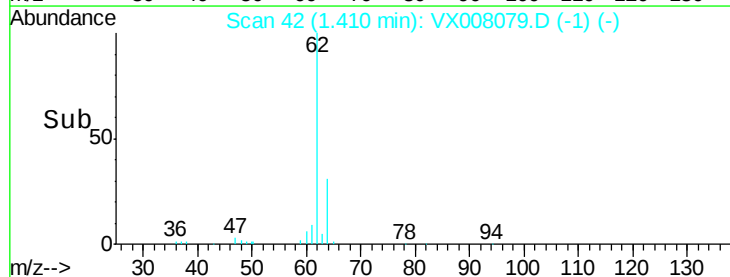
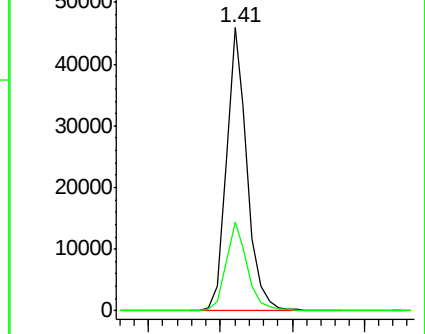
62 100

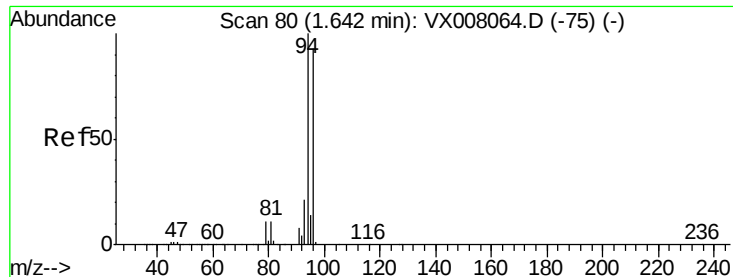
64 31.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.078 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

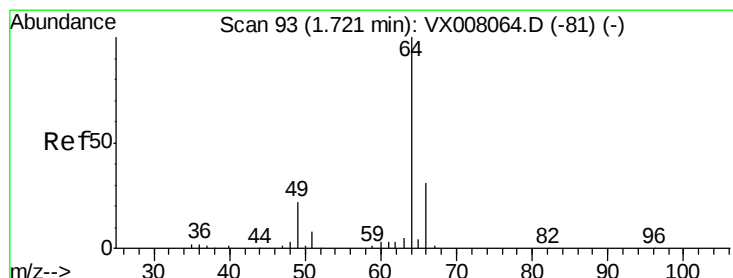
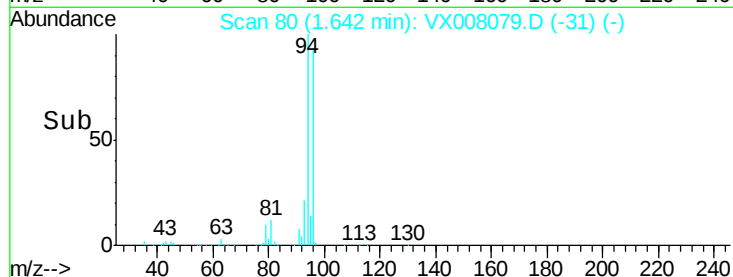
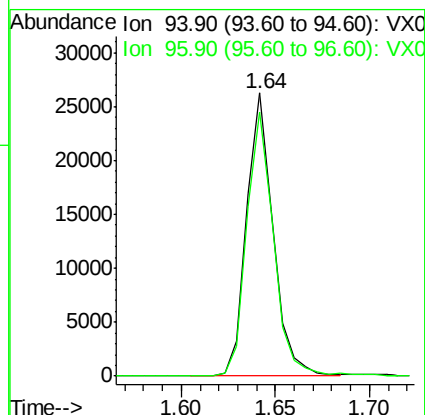
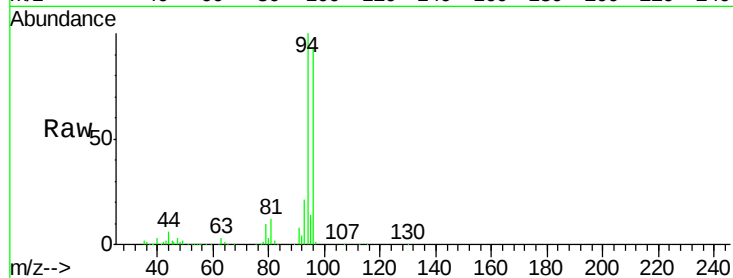
VX0314WBS02

Tot Ion: 94 Resp: 25725

Ion Ratio Lower Upper

94 100

96 93.1 75.5 113.3



#6

Chloroethane

Concen: 20.049 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008079.D

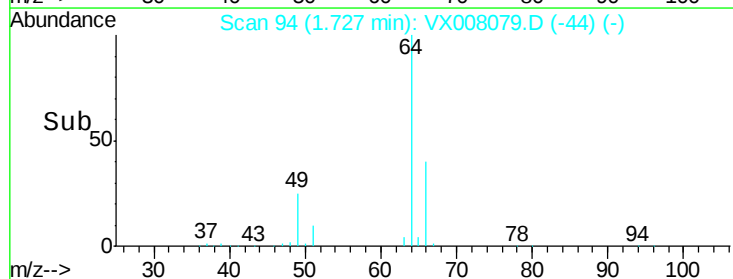
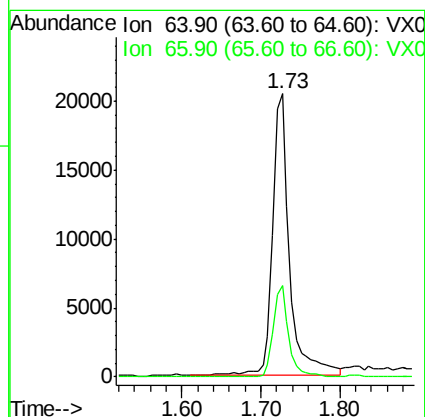
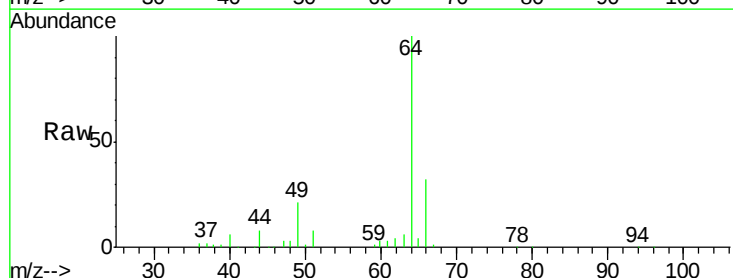
Acq: 14 Mar 2019 19:47

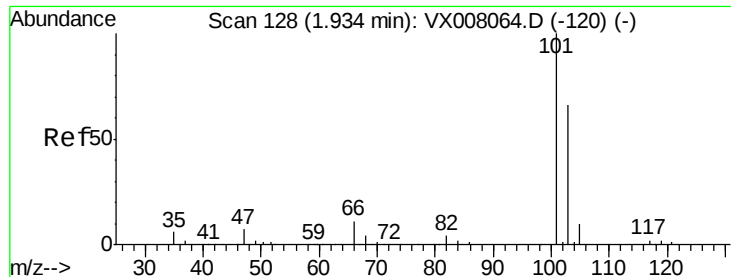
Tgt Ion: 64 Resp: 30582

Ion Ratio Lower Upper

64 100

66 32.3 25.2 37.8



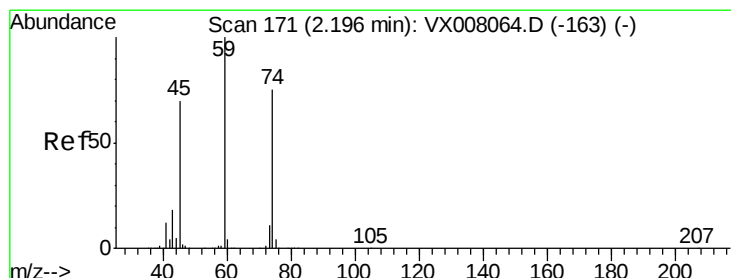
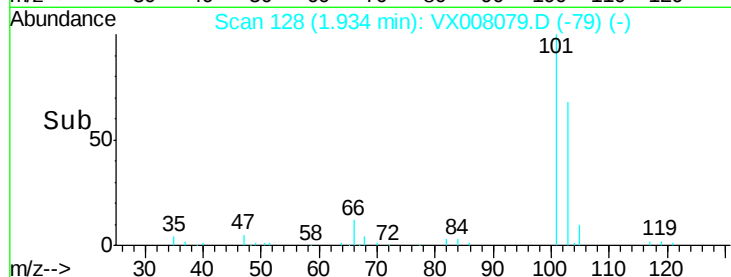
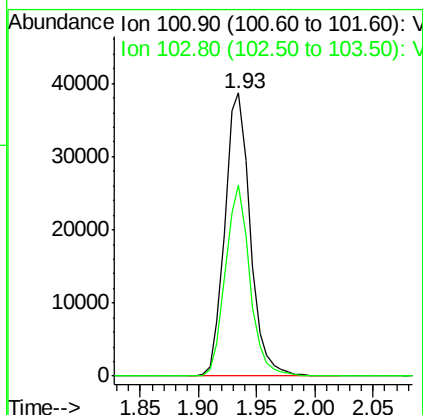
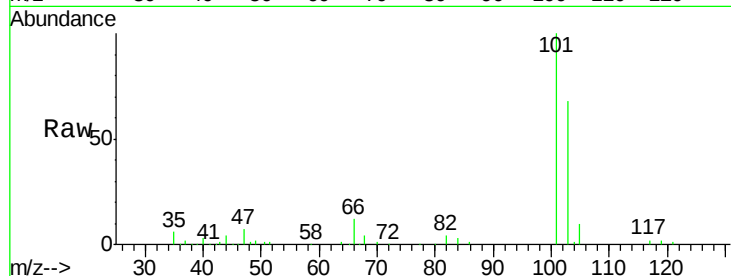


#7

Trichlorofluoromethane
Concen: 17.582 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Instrument :
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ClientSampleId :
VX0314WBS02

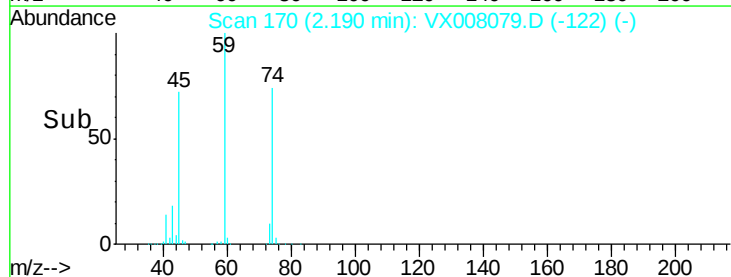
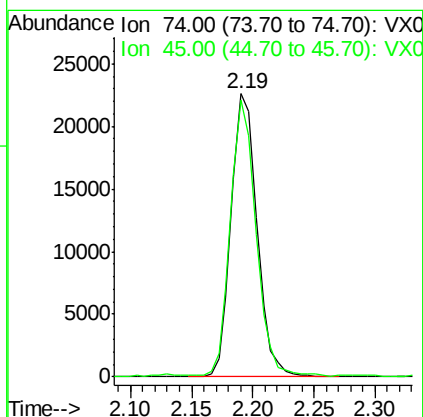
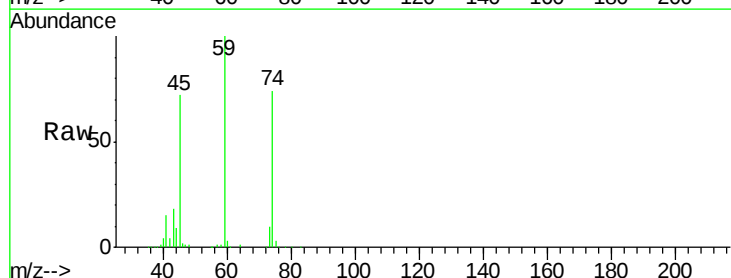
Tot Ion:101 Resp: 58583
Ion Ratio Lower Upper
101 100
103 67.5 50.4 75.6

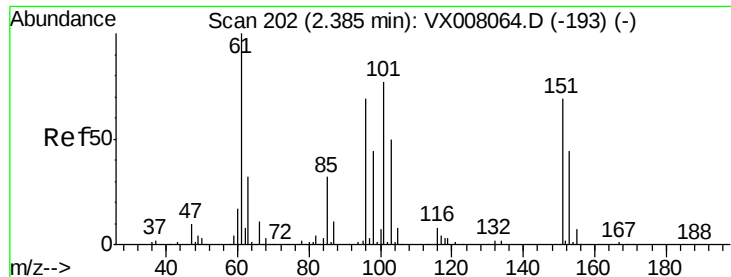


#8

Diethyl Ether
Concen: 19.996 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 74 Resp: 33119
Ion Ratio Lower Upper
74 100
45 96.0 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.516 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

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ClientSampleId :

VX0314WBS02

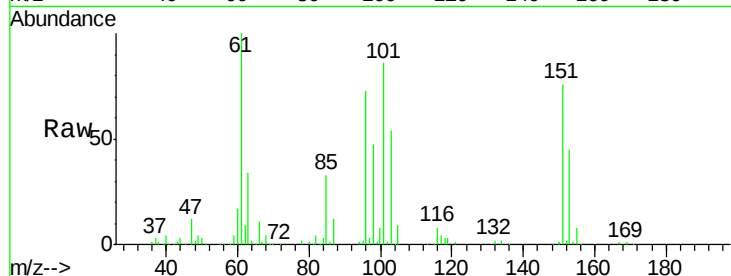
Tot Ion:101 Resp: 48600

Ion Ratio Lower Upper

101 100

85 40.2 33.8 50.6

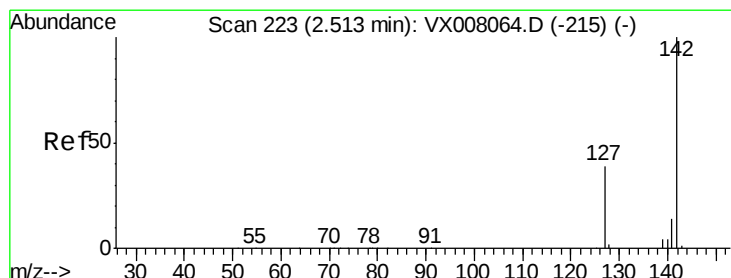
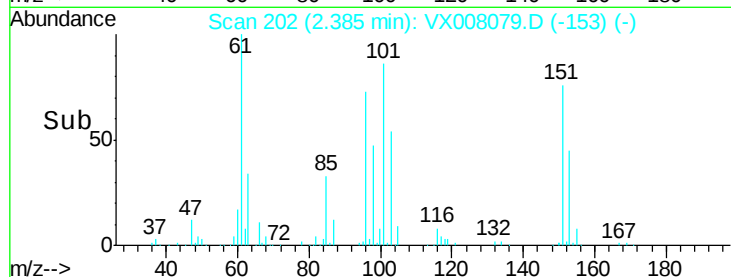
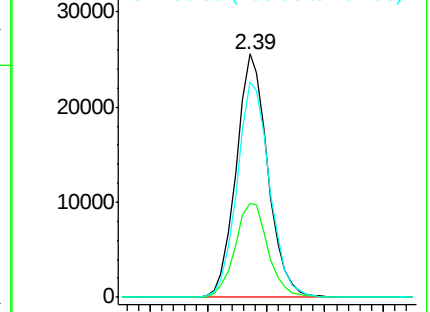
151 90.5 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.382 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

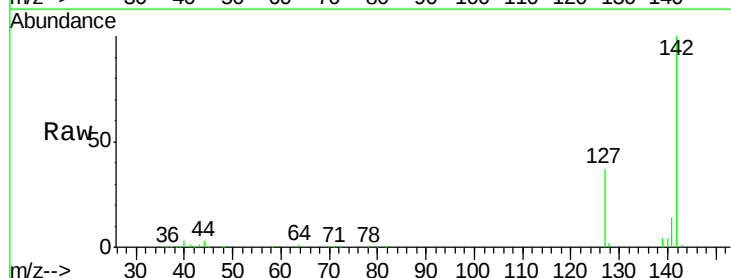
Tgt Ion:142 Resp: 70905

Ion Ratio Lower Upper

142 100

127 37.0 32.1 48.1

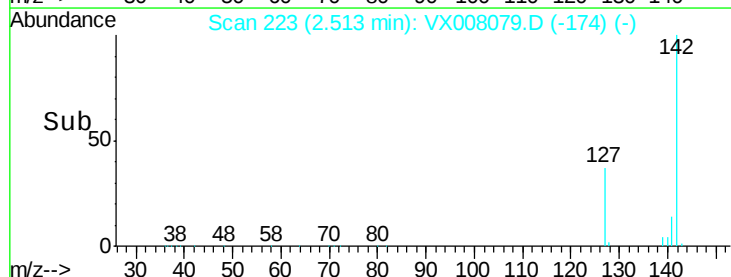
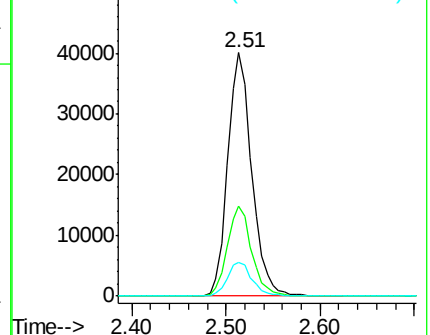
141 14.2 11.4 17.2

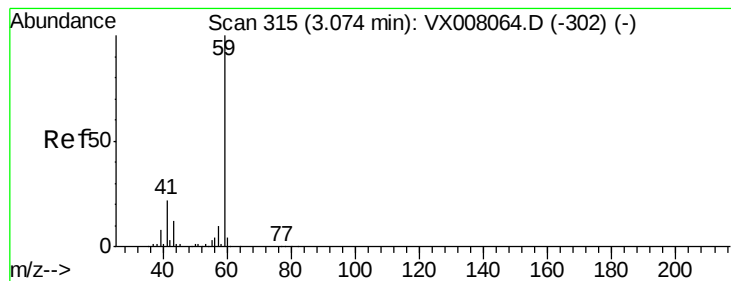


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



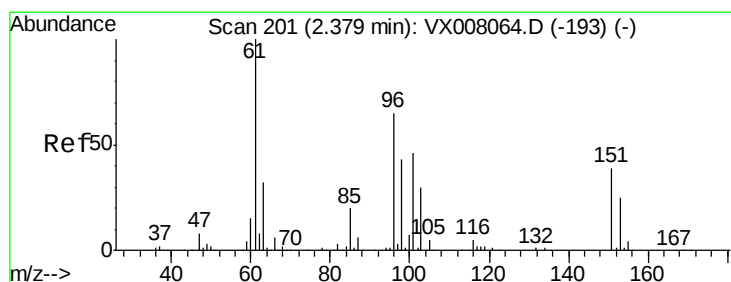
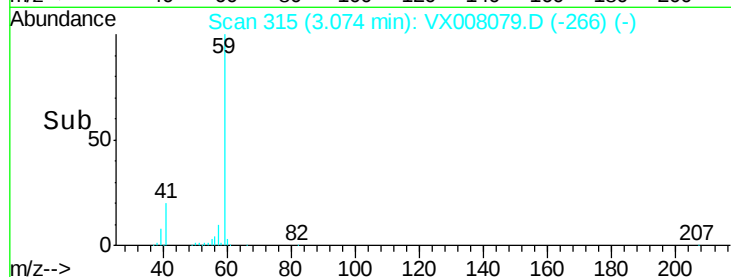
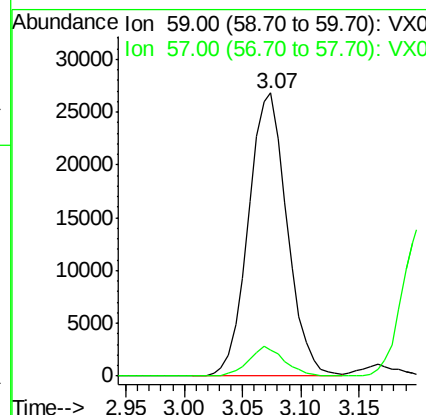
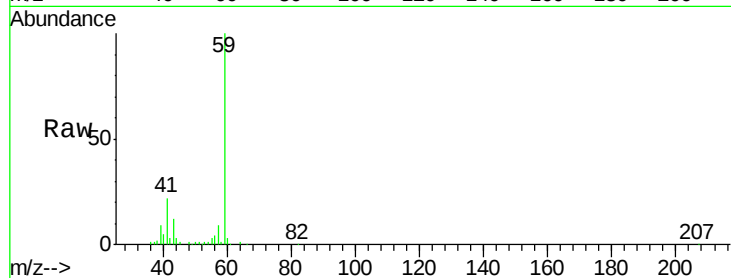


#11

Tert butyl alcohol
 Concen: 103.543 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

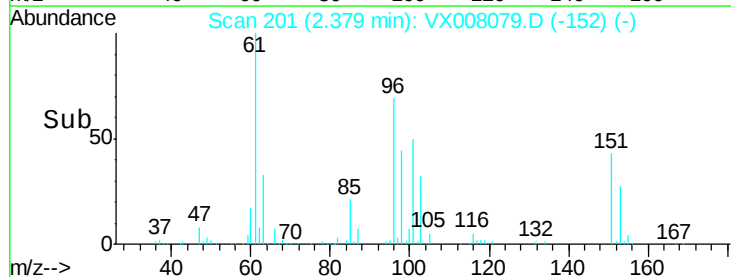
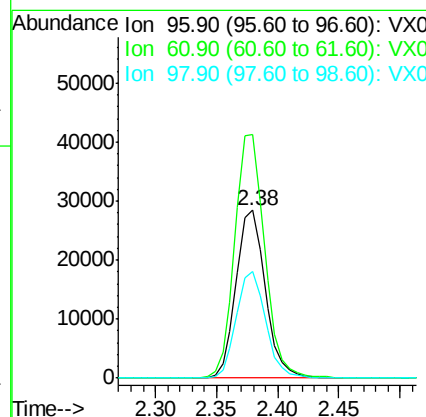
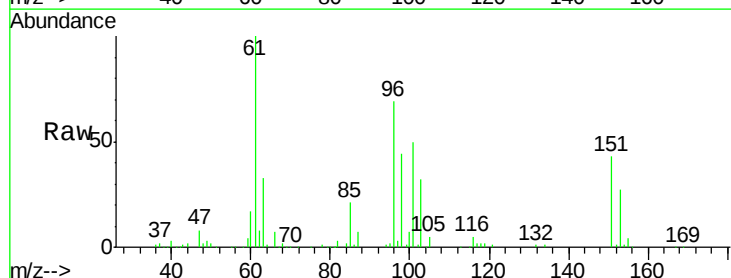
Tot Ion: 59 Resp: 62293
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2

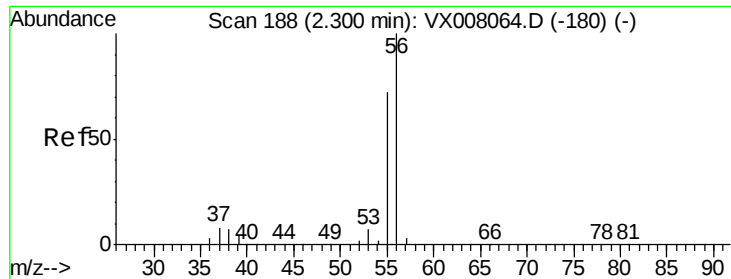


#12

1,1-Dichloroethene
 Concen: 19.982 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion: 96 Resp: 47031
 Ion Ratio Lower Upper
 96 100
 61 145.1 129.8 194.6
 98 63.3 51.0 76.6

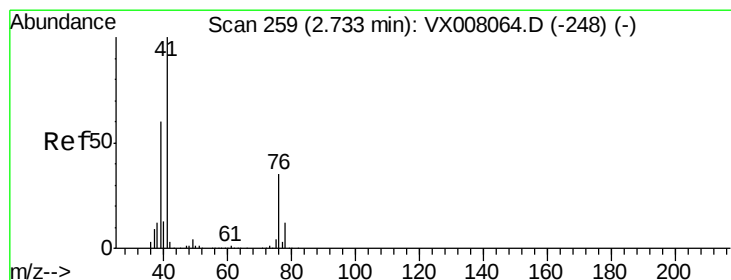
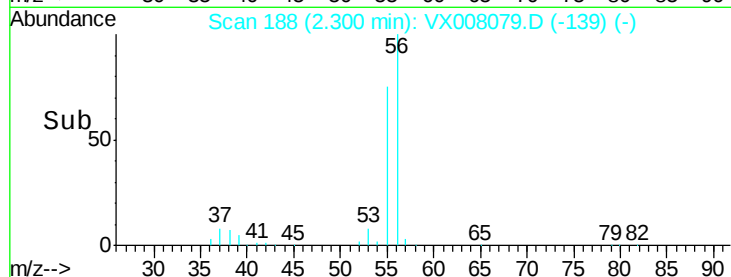
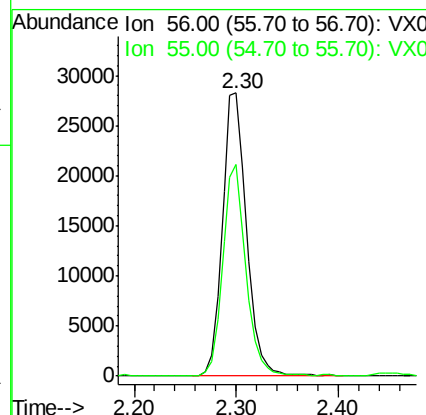
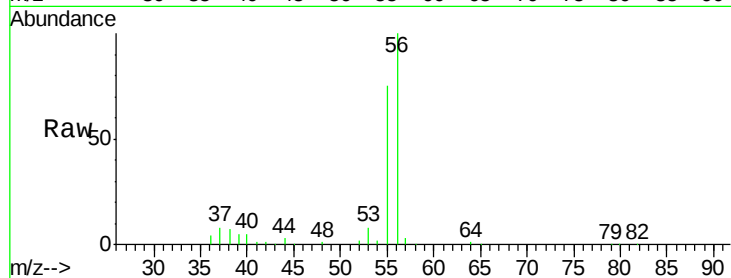




#13
Acrolein
Concen: 84.312 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

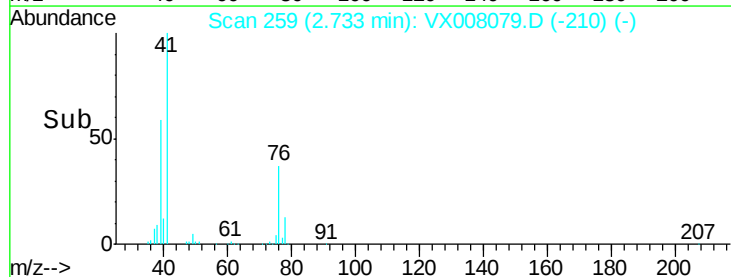
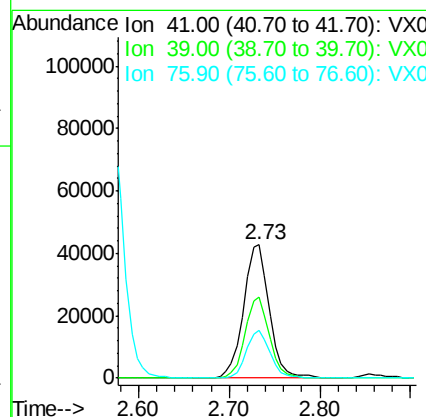
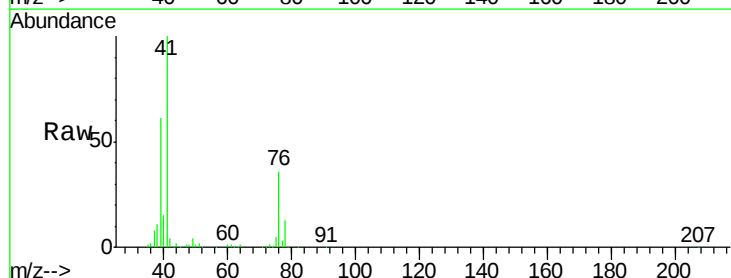
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

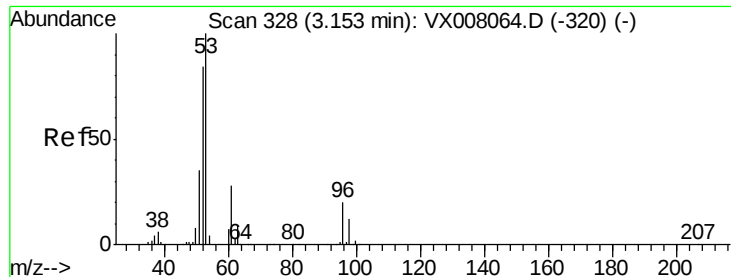
Tot Ion: 56 Resp: 46723
Ion Ratio Lower Upper
56 100
55 72.0 57.8 86.6



#14
Allyl chloride
Concen: 19.654 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 41 Resp: 84258
Ion Ratio Lower Upper
41 100
39 57.3 46.1 69.1
76 33.2 24.0 36.0





#15

Acrylonitrile

Concen: 101.034 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

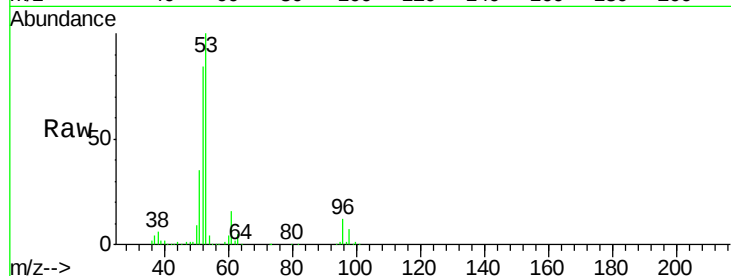
Tot Ion: 53 Resp: 148218

Ion Ratio Lower Upper

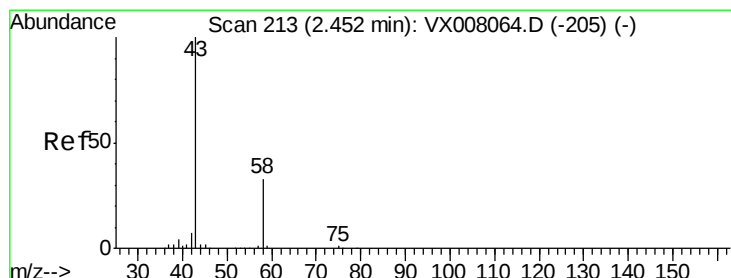
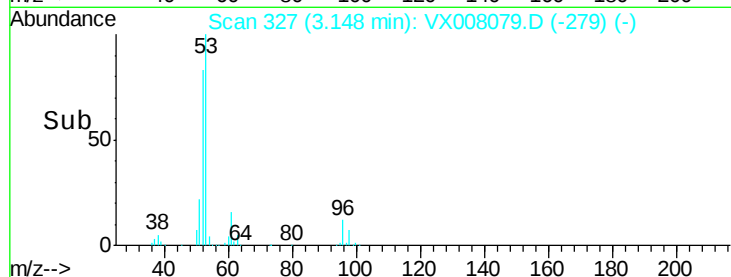
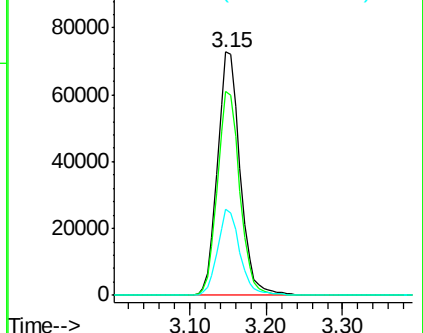
53 100

52 83.6 66.0 99.0

51 35.0 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 91.532 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008079.D

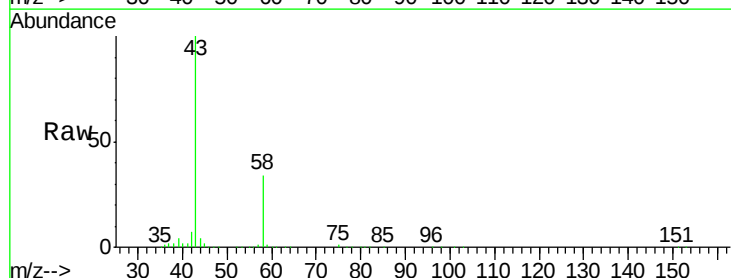
Acq: 14 Mar 2019 19:47

Tgt Ion: 43 Resp: 134562

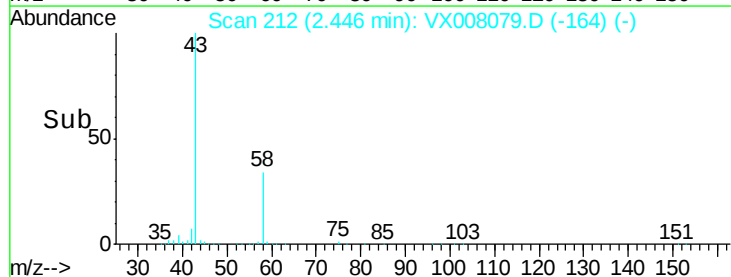
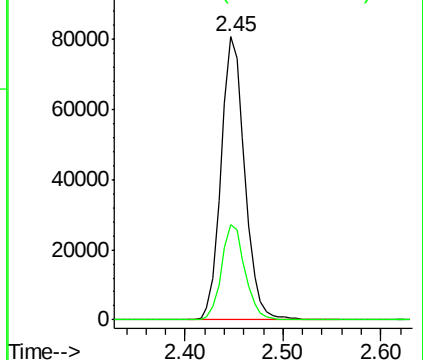
Ion Ratio Lower Upper

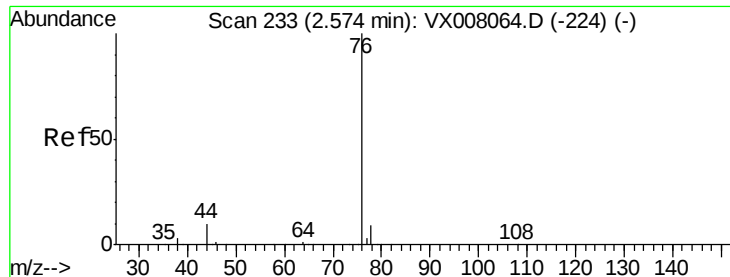
43 100

58 33.6 25.5 38.3



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

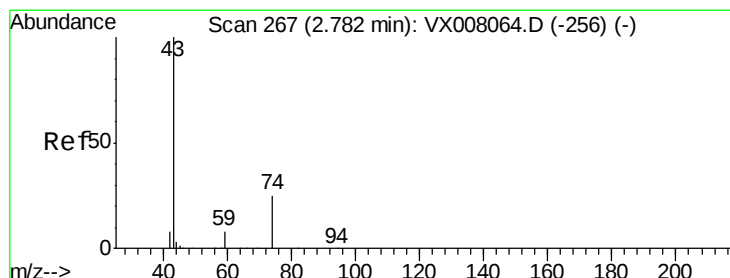
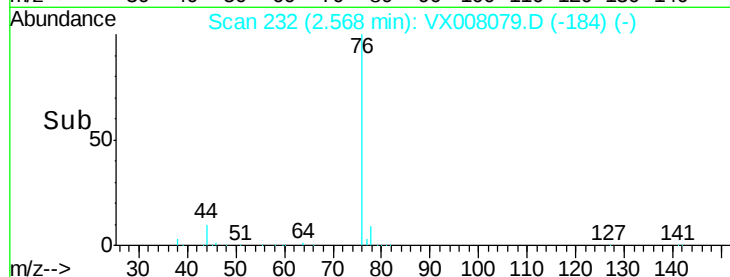
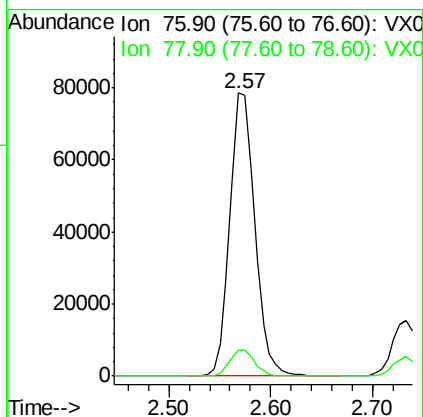
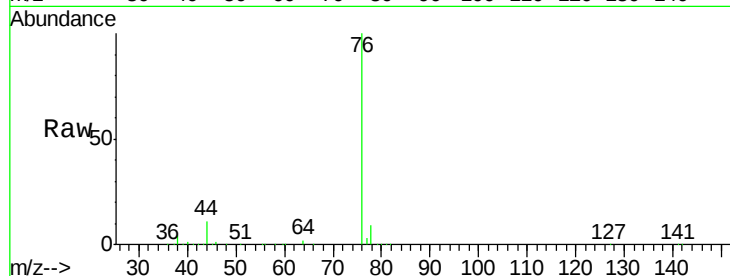




#17
Carbon Disulfide
Concen: 19.733 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

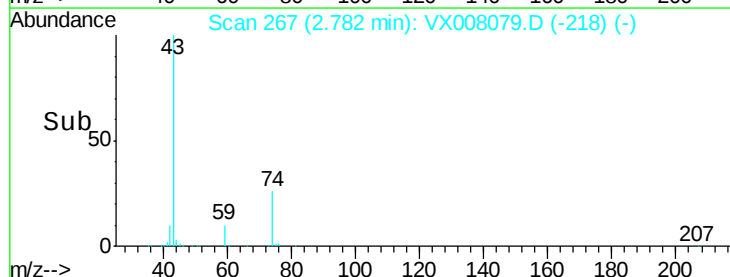
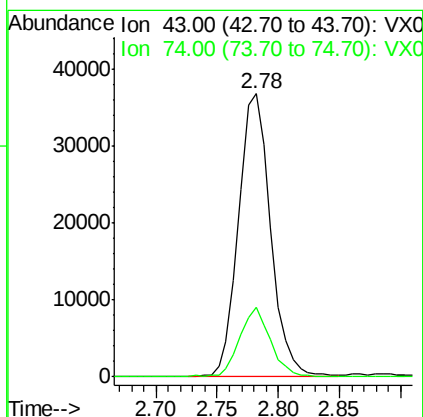
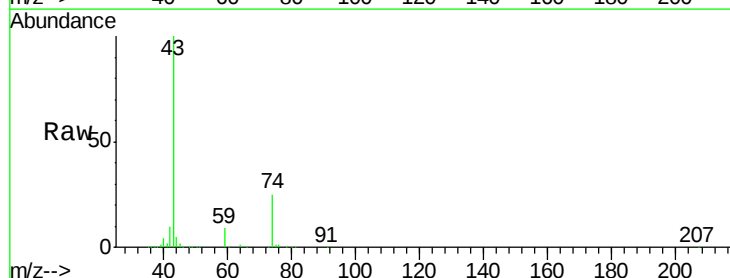
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

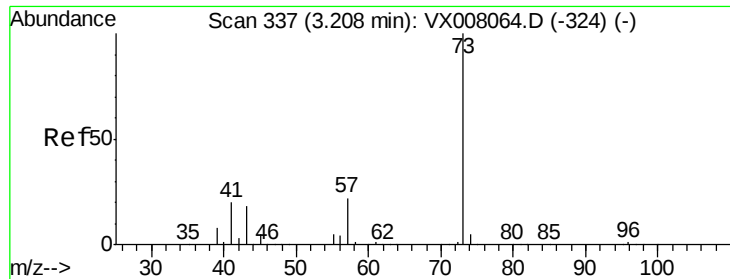
Tot Ion: 76 Resp: 133356
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 21.231 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 43 Resp: 67460
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.6

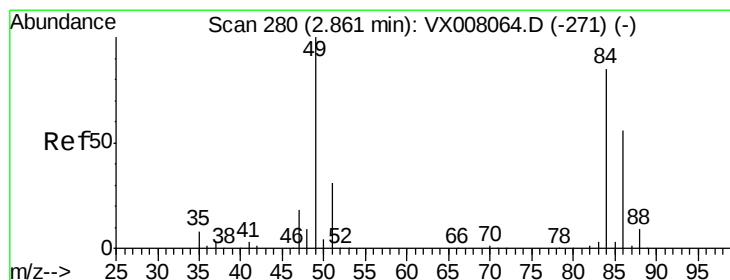
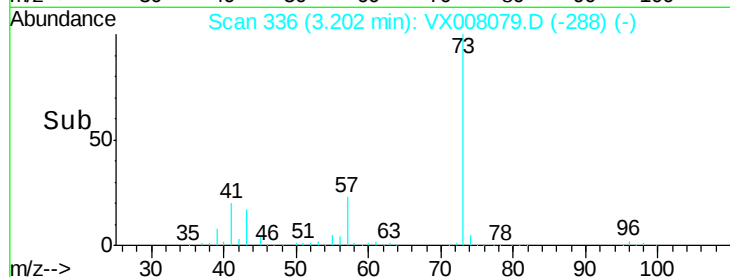
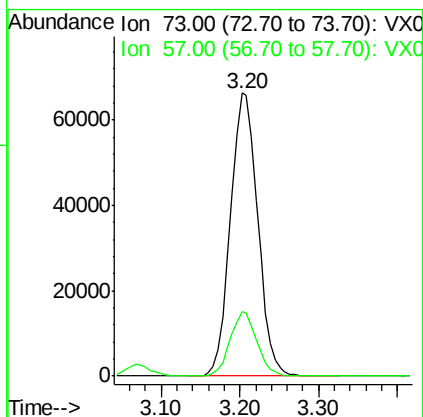
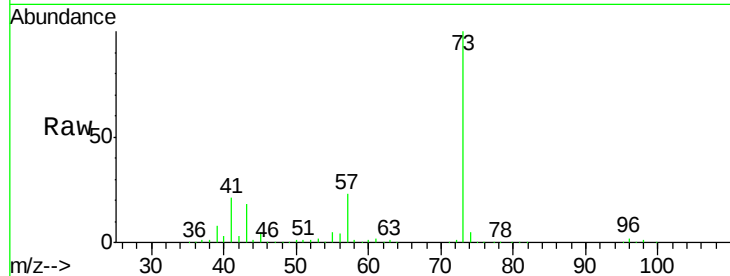




#19
Methvl tert-butvl Ether
Concen: 20.107 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

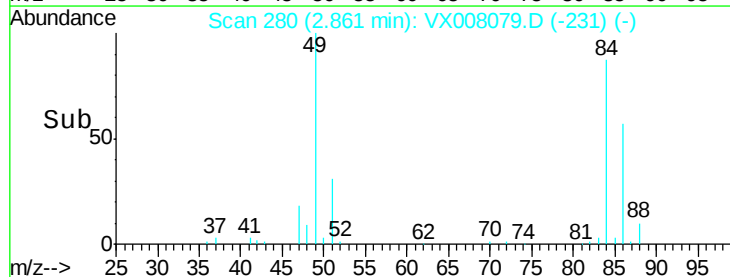
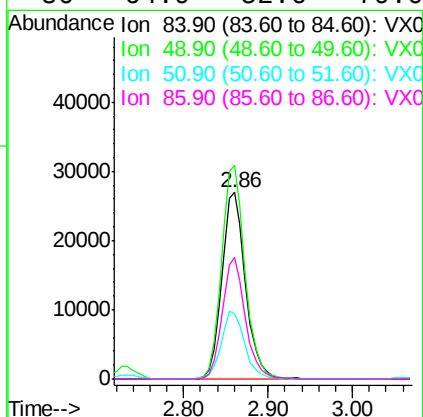
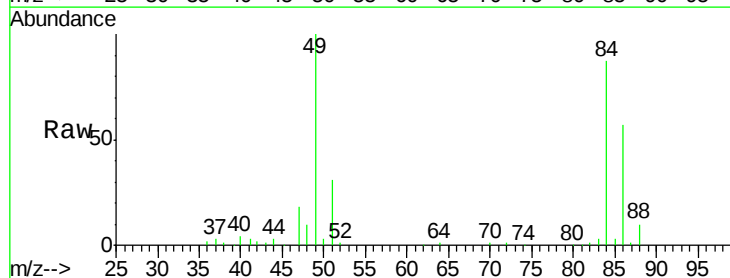
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

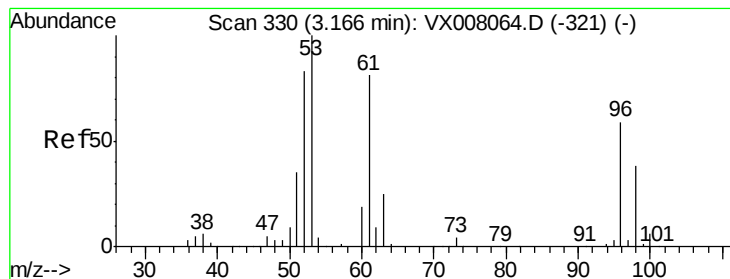
Tot Ion: 73 Resp: 160010
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4



#20
Methylene Chloride
Concen: 19.743 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 84 Resp: 51837
Ion Ratio Lower Upper
84 100
49 114.3 99.3 148.9
51 35.0 31.3 46.9
86 64.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.957 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

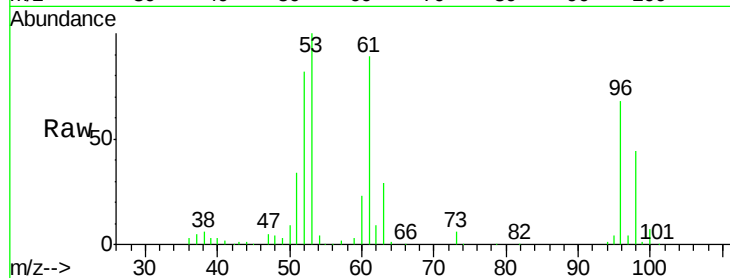
Tot Ion: 96 Resp: 50610

Ion Ratio Lower Upper

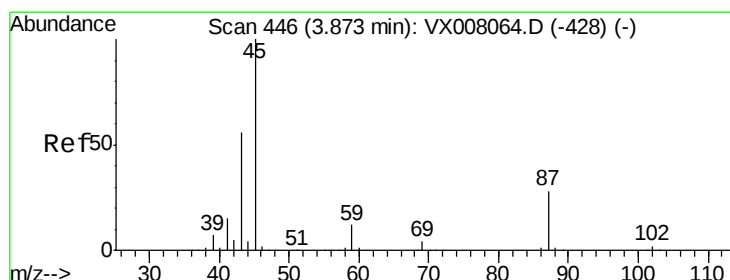
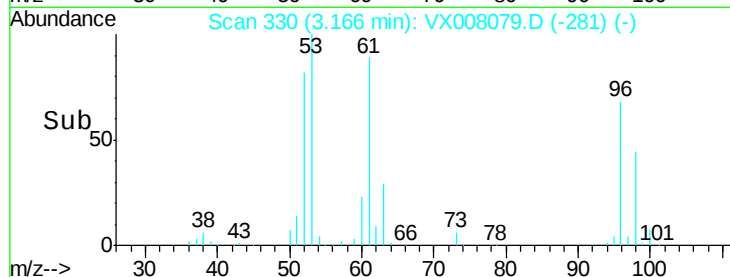
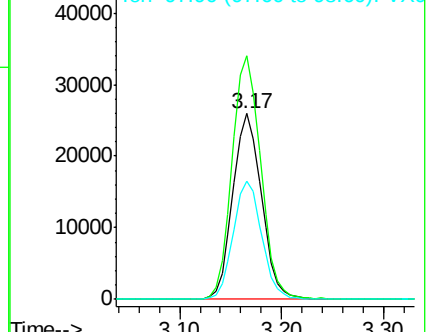
96 100

61 131.2 114.4 171.6

98 64.0 51.1 76.7



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



#22

Diisopropyl ether

Concen: 19.988 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Tgt Ion: 45 Resp: 170287

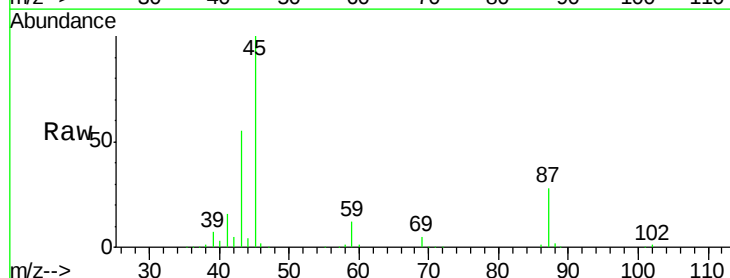
Ion Ratio Lower Upper

45 100

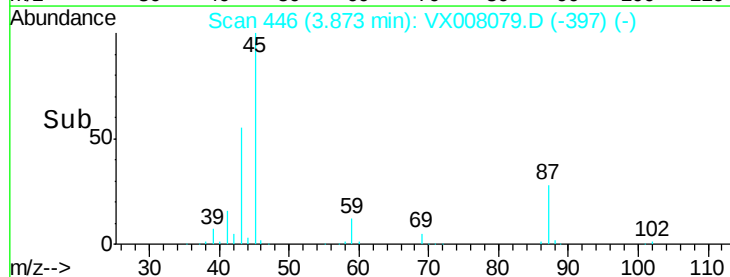
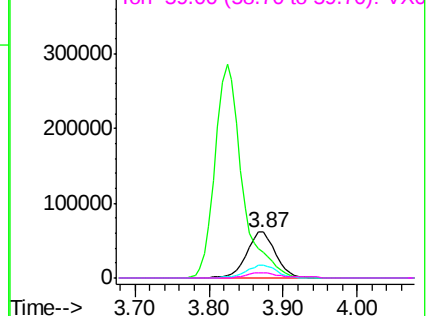
43 54.3 45.3 67.9

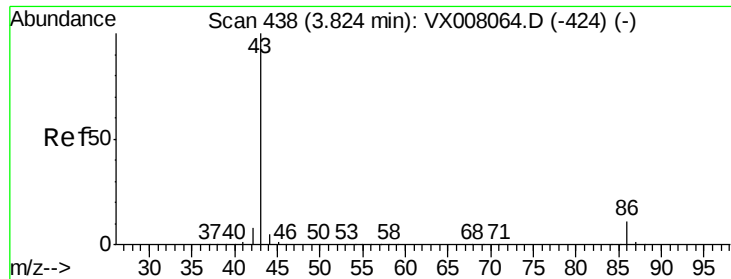
87 28.2 21.4 32.0

59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 100.129 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

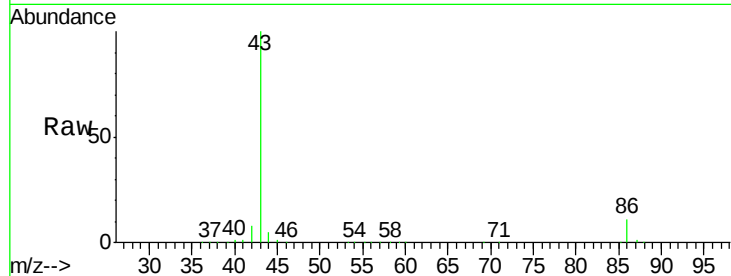
VX0314WBS02

Tot Ion: 43 Resp: 725506

Ion Ratio Lower Upper

43 100

86 10.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

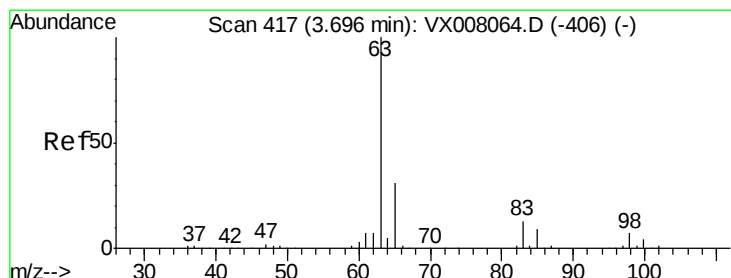
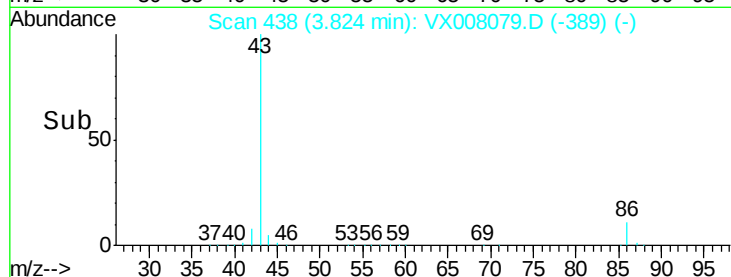
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 19.838 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

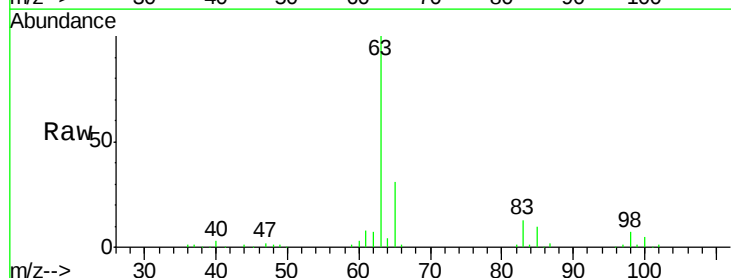
Tgt Ion: 63 Resp: 92646

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

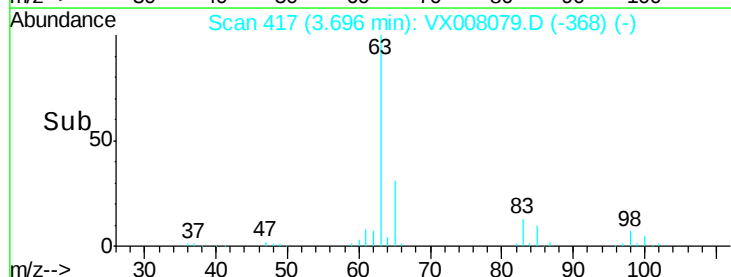
30000

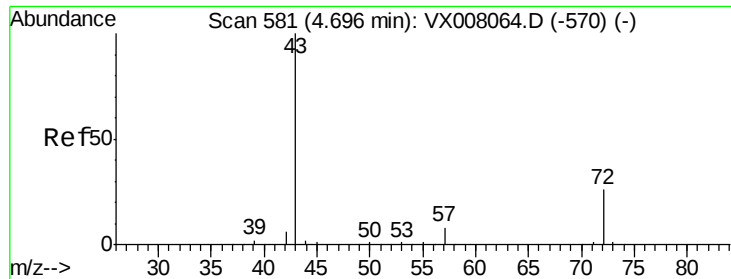
20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 96.786 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

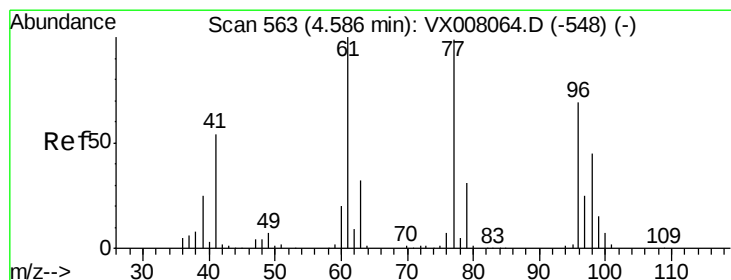
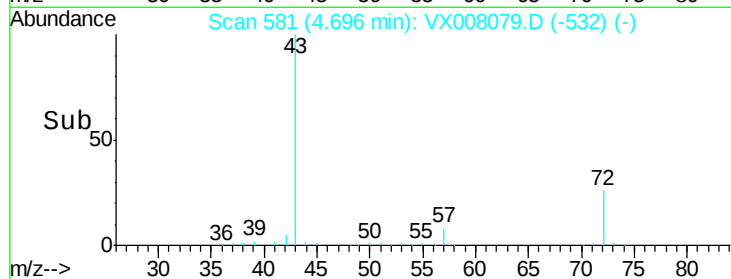
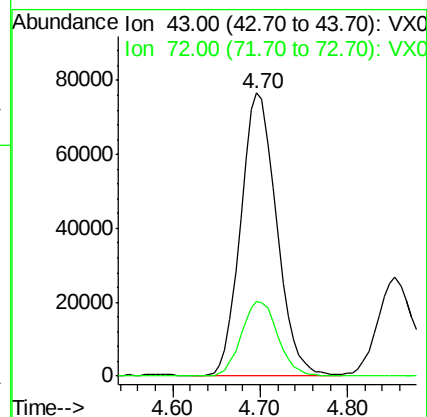
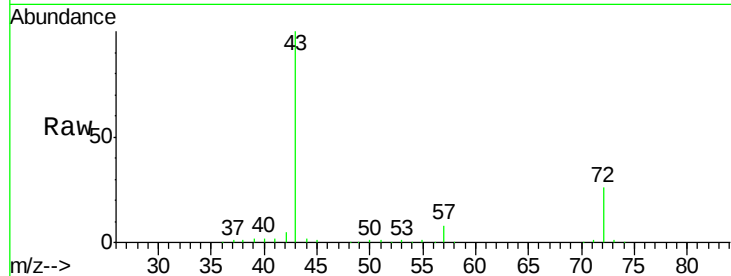
VX0314WBS02

Tot Ion: 43 Resp: 218402

Ion Ratio Lower Upper

43 100

72 26.3 19.9 29.9



#26

2,2-Dichloropropane

Concen: 18.028 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008079.D

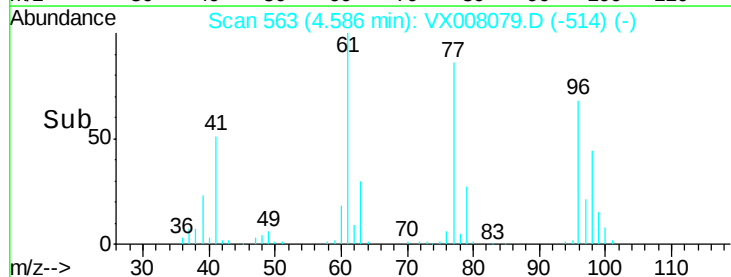
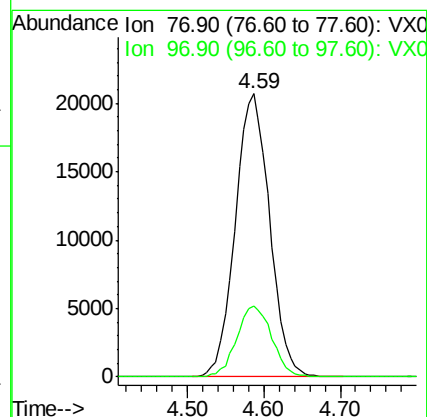
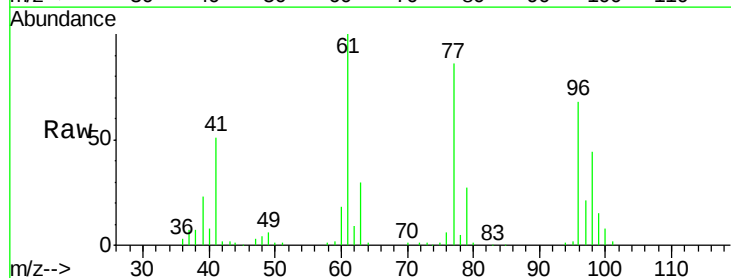
Acq: 14 Mar 2019 19:47

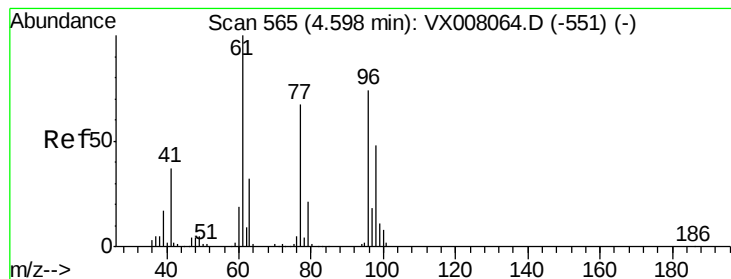
Tgt Ion: 77 Resp: 64324

Ion Ratio Lower Upper

77 100

97 25.6 12.2 36.6



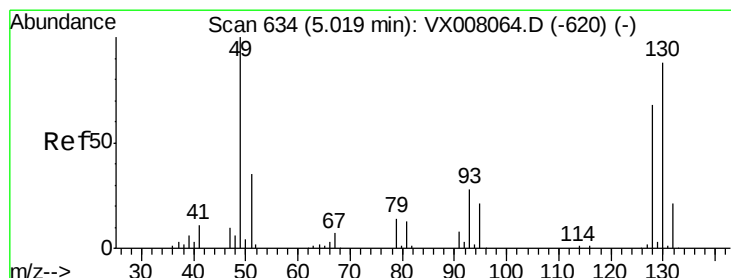
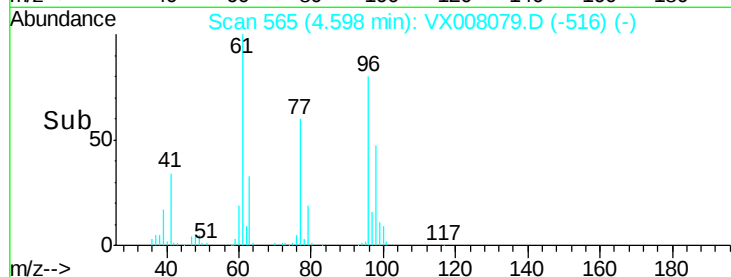
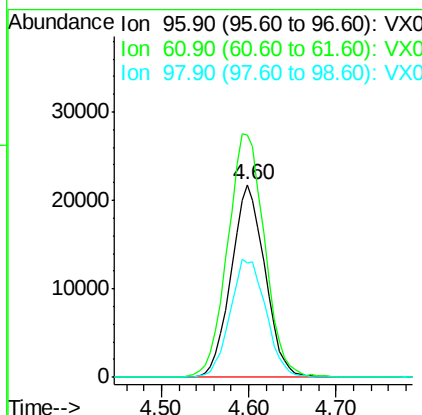
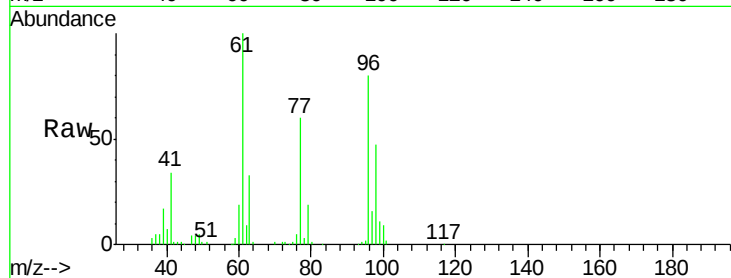


#27

cis-1,2-Dichloroethene
Concen: 19.423 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

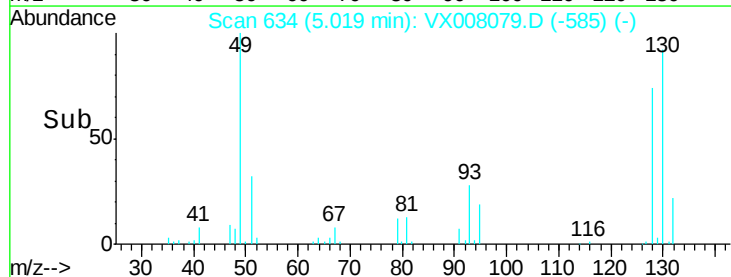
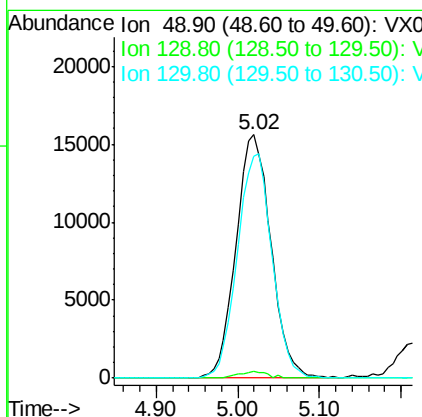
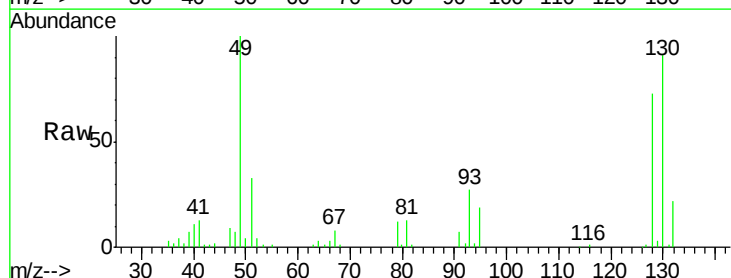
Tot Ion: 96 Resp: 58551
Ion Ratio Lower Upper
96 100
61 138.6 0.0 288.0
98 64.8 0.0 129.0

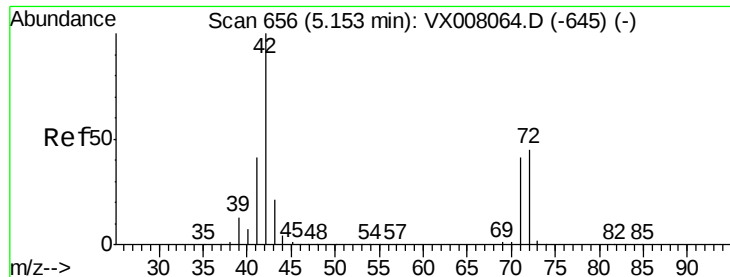


#28

Bromochloromethane
Concen: 21.095 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 49 Resp: 46530
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 91.2 65.0 97.4

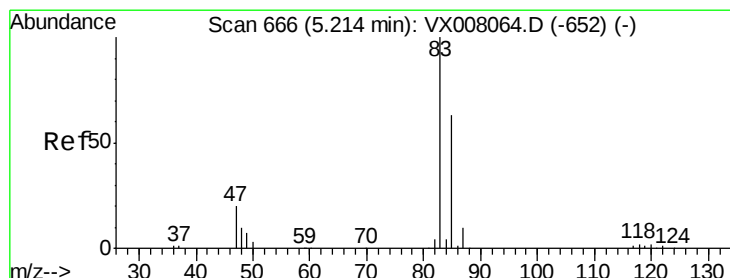
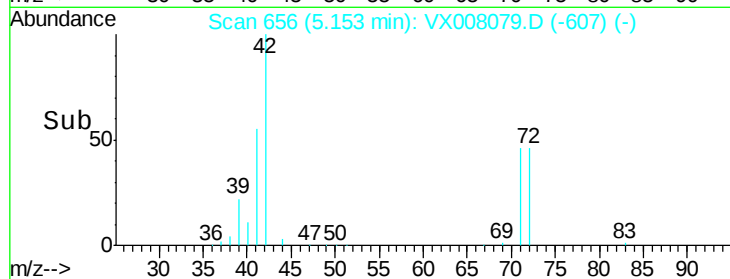
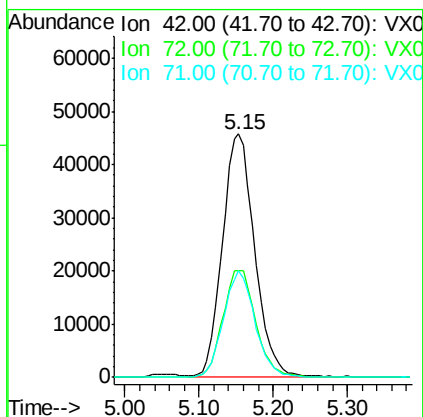
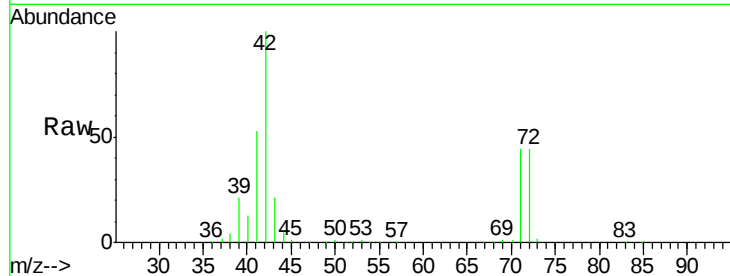




#29
Tetrahydrofuran
Concen: 97.328 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

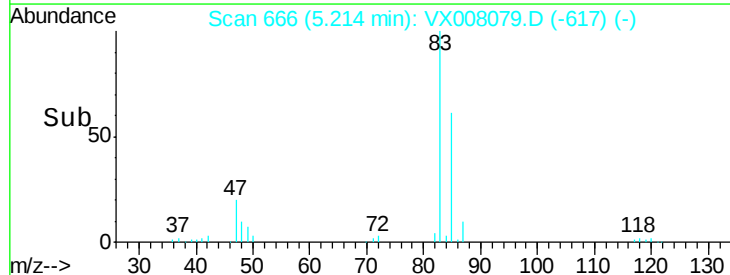
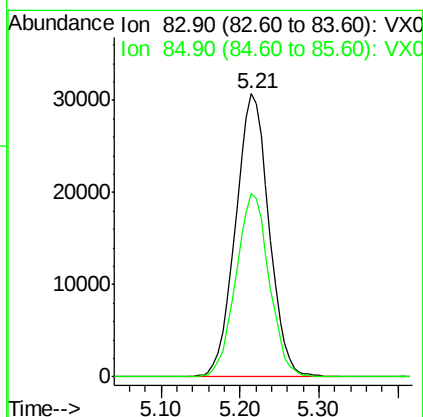
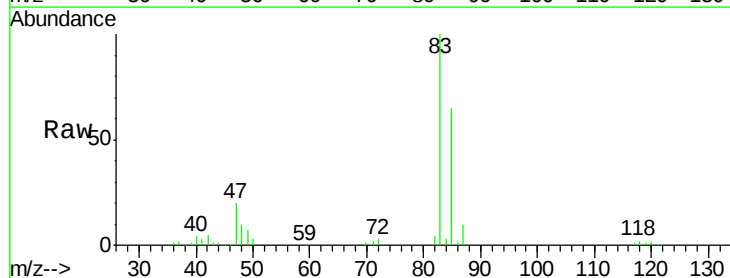
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

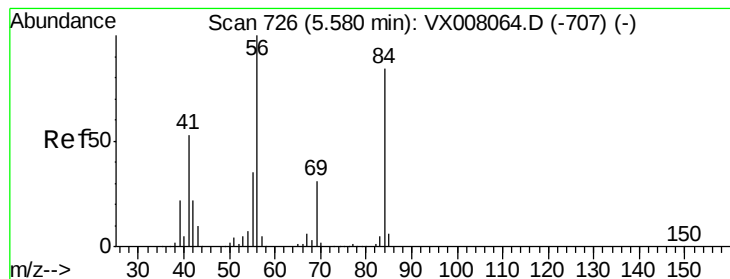
Tot Ion: 42 Resp: 137102
Ion Ratio Lower Upper
42 100
72 45.3 33.8 50.6
71 43.0 31.5 47.3



#30
Chloroform
Concen: 19.157 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 83 Resp: 90622
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.6





#31

Cyclohexane

Concen: 19.267 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

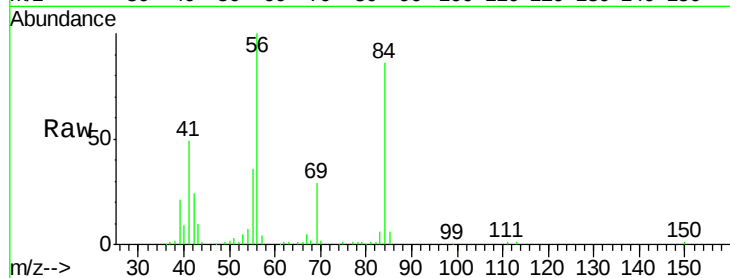
Tot Ion: 56 Resp: 85787

Ion Ratio Lower Upper

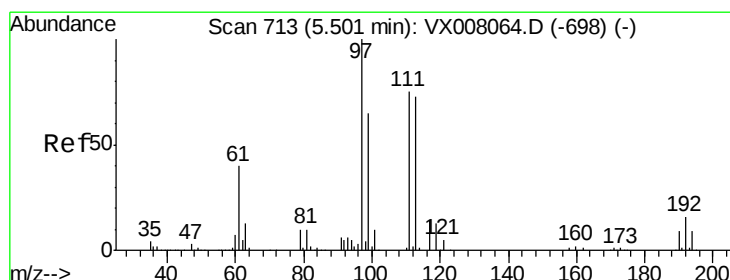
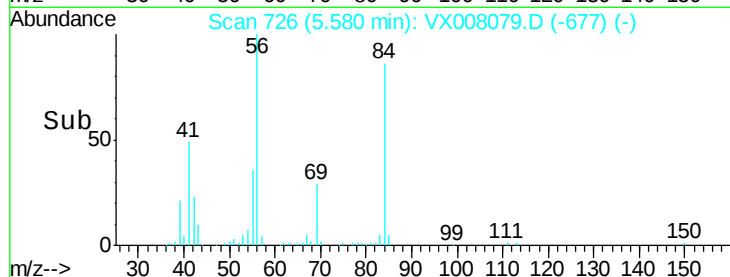
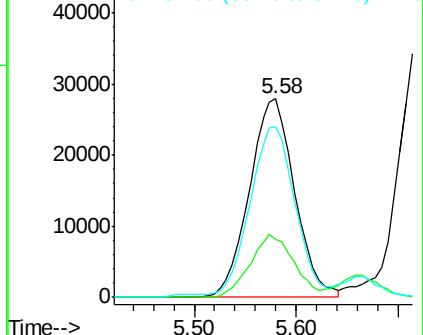
56 100

69 29.2 24.0 36.0

84 85.0 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.010 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

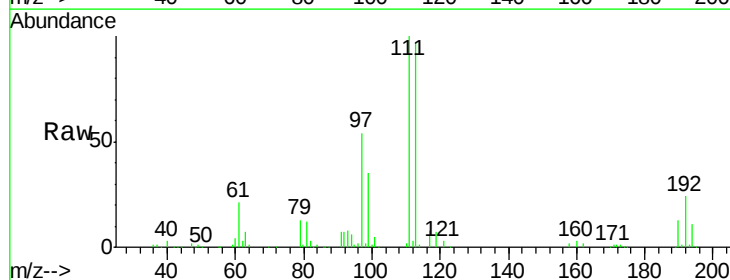
Tgt Ion: 97 Resp: 75749

Ion Ratio Lower Upper

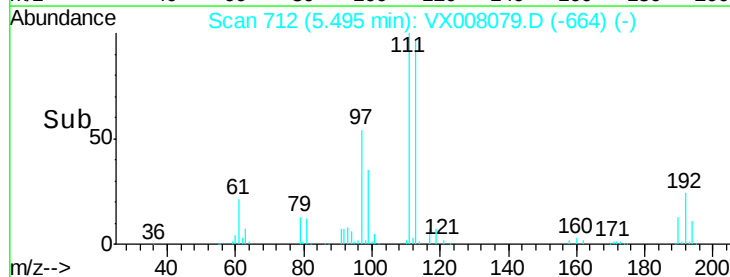
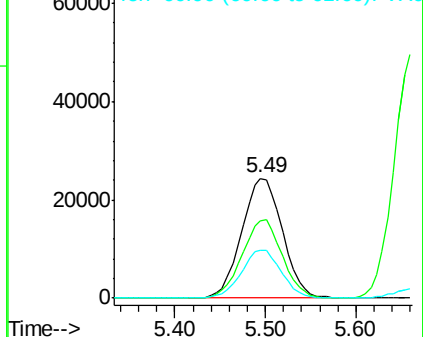
97 100

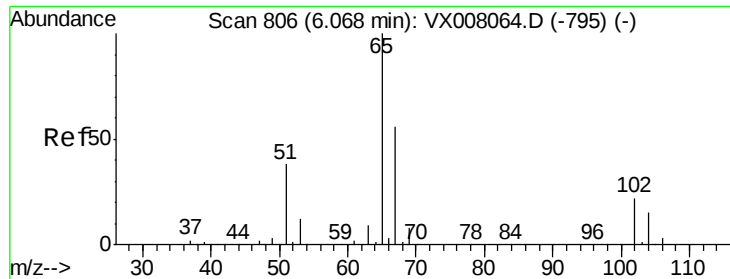
99 64.5 52.2 78.2

61 39.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

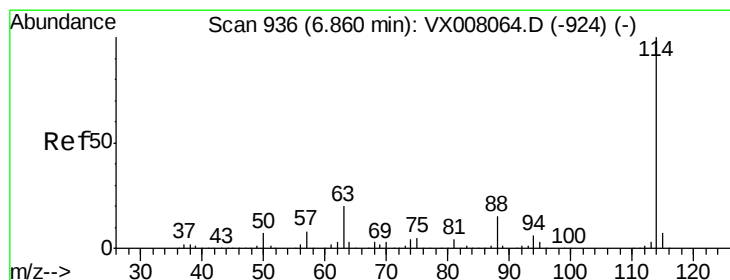
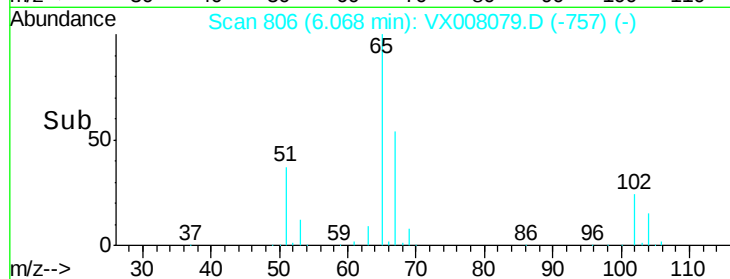
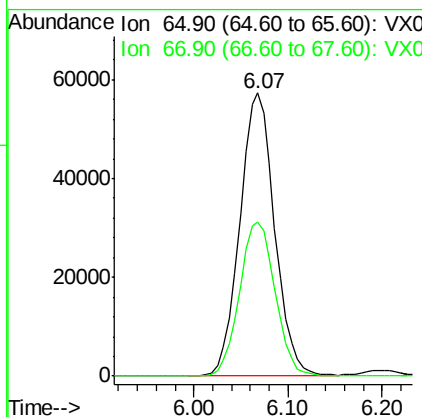
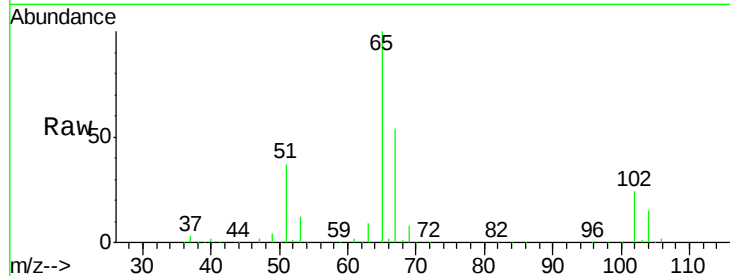




#33
 1,2-Dichloroethane-d4
 Concen: 47.562 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

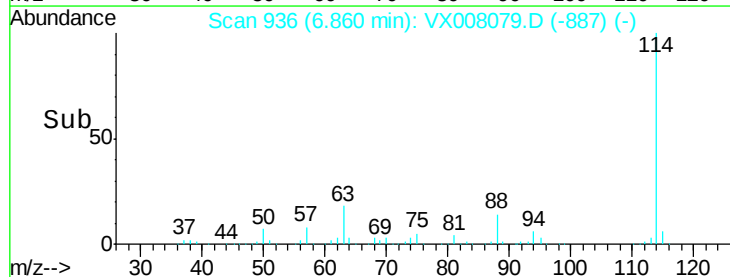
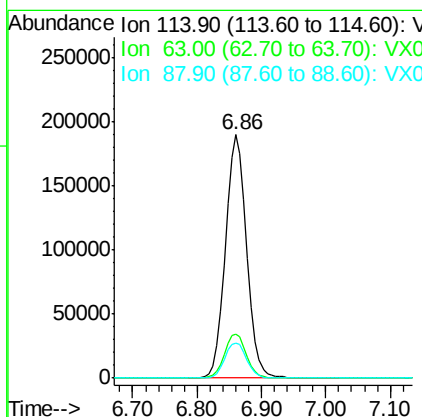
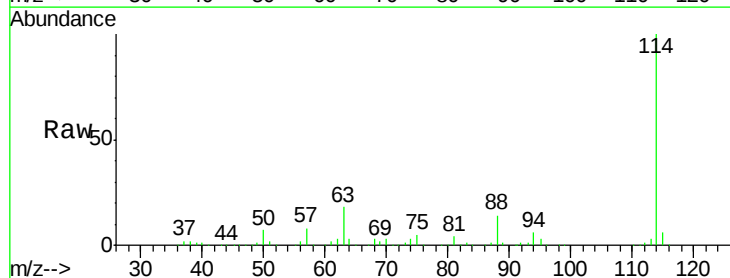
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

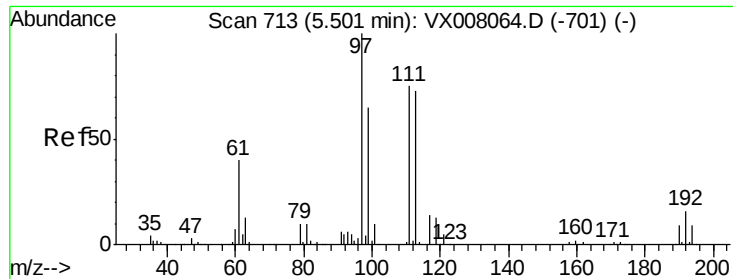
Tot Ion: 65 Resp: 148108
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion: 114 Resp: 440768
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.8
 88 14.4 0.0 31.4

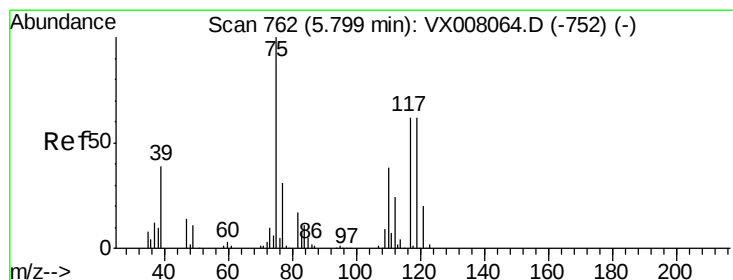
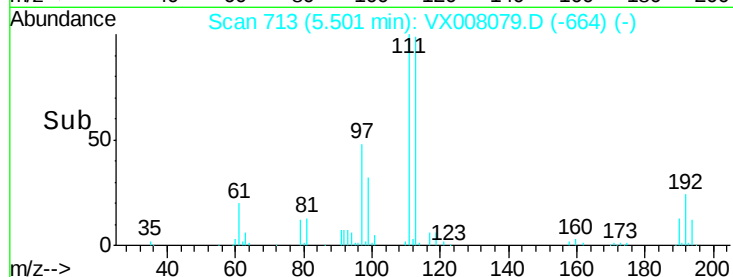
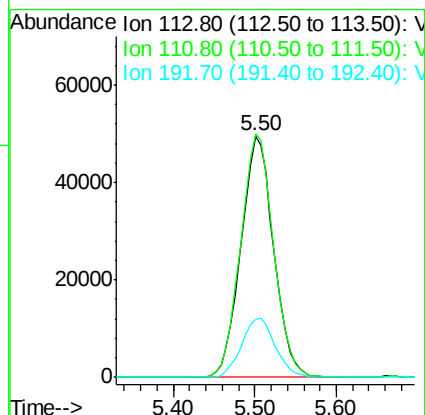
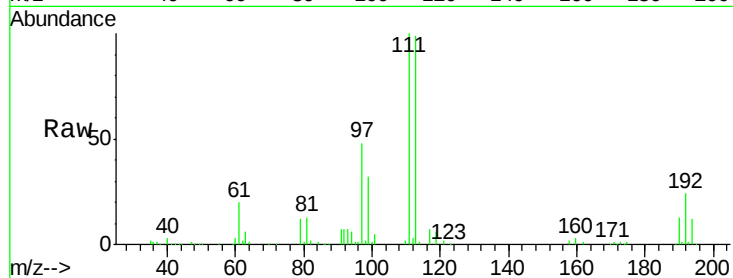




#35
 Dibromofluoromethane
 Concen: 49.219 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

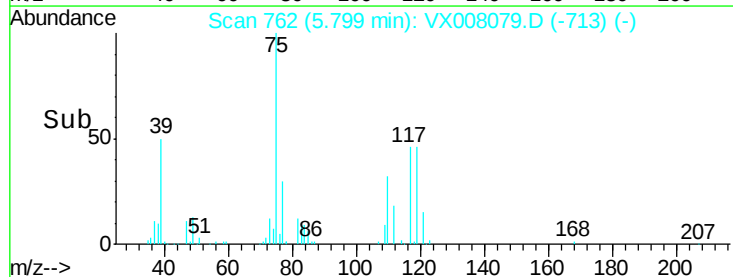
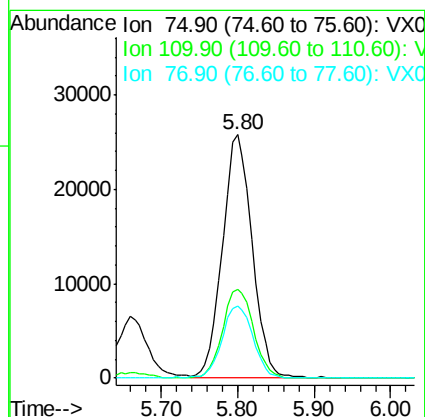
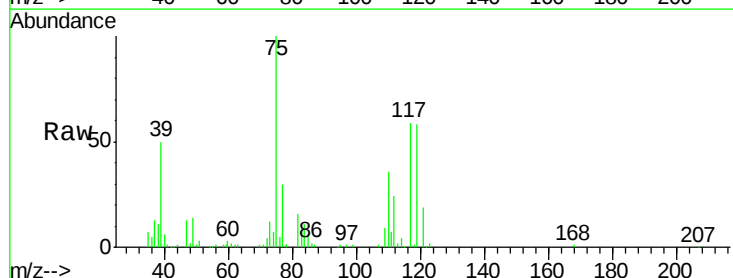
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

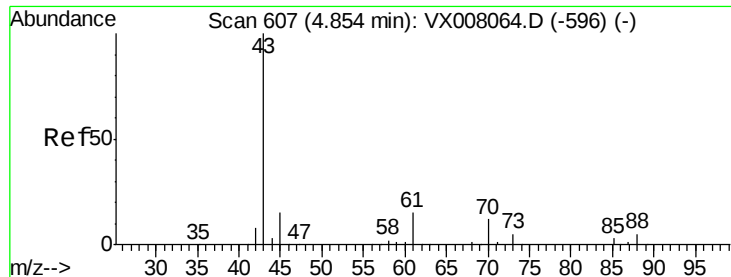
Tot Ion:113 Resp: 137572
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 25.1 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 19.140 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion: 75 Resp: 69404
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.4 55.0
 77 30.7 25.0 37.4

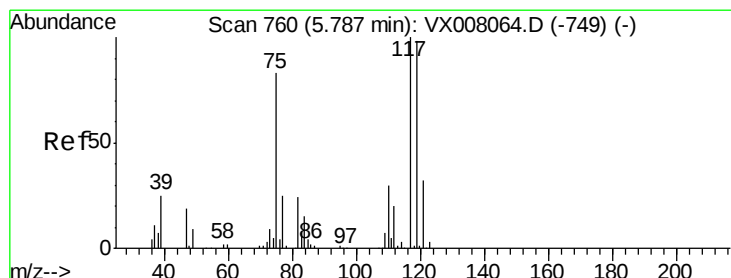
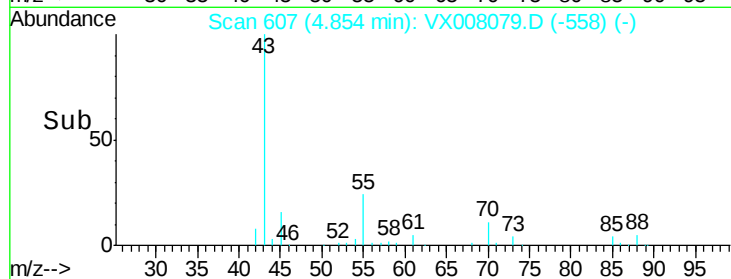
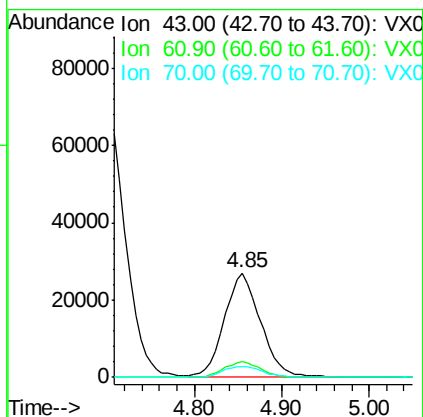
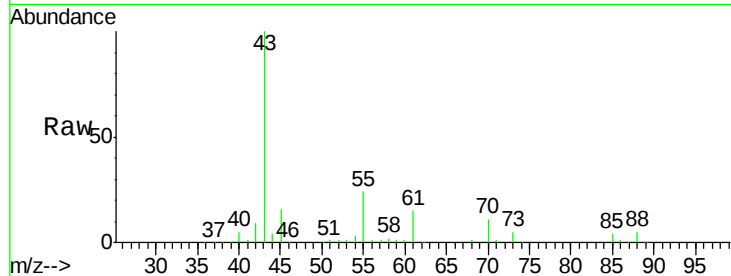




#37
Ethyl Acetate
Concen: 19.706 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

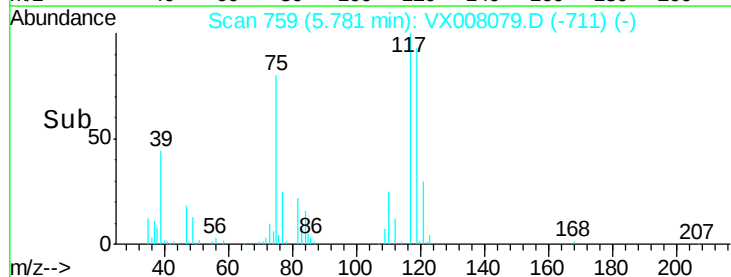
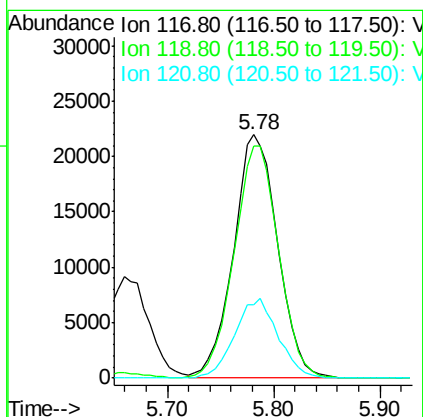
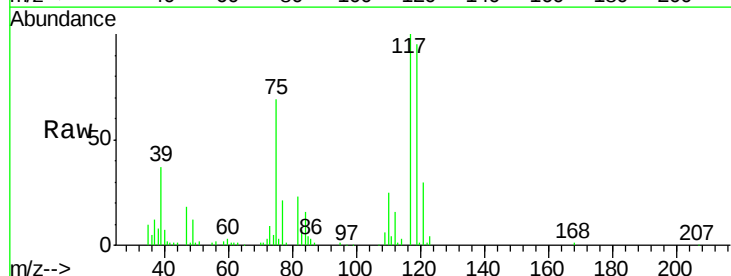
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

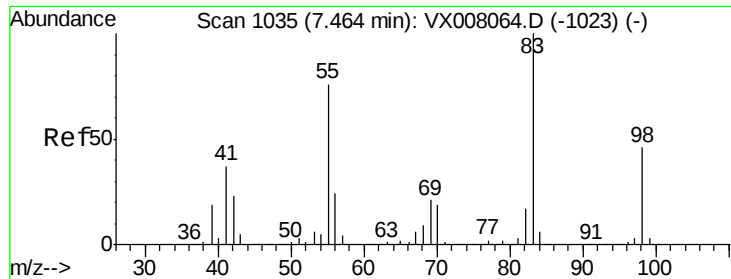
Tot Ion: 43 Resp: 76800
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 11.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 18.333 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 117 Resp: 63987
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.2
121 30.2 24.6 36.8

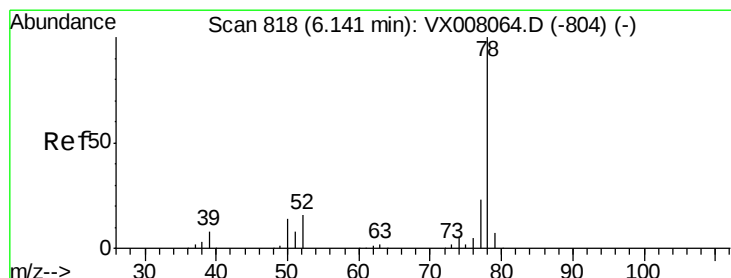
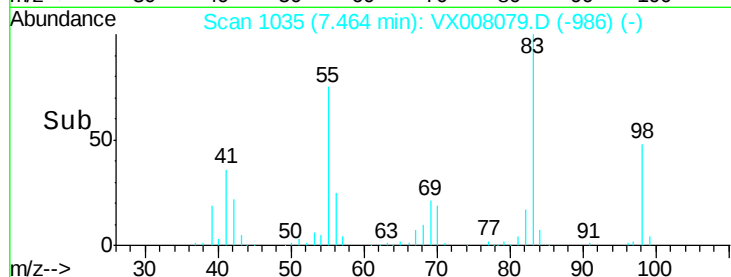
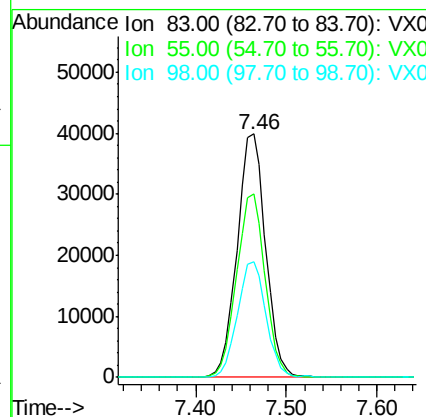
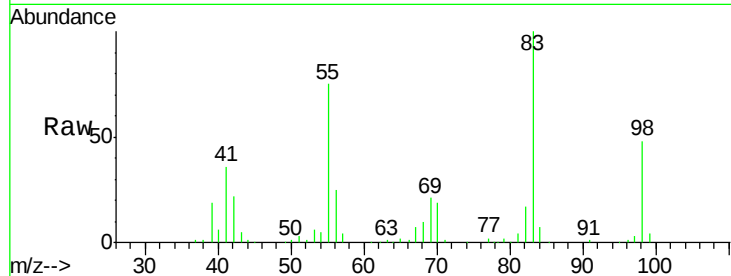




#39
Methvlcvclohexane
Concen: 18.793 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

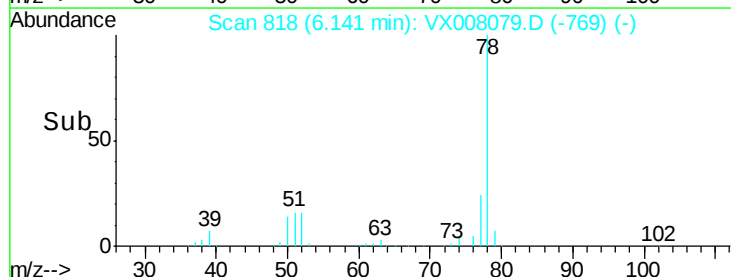
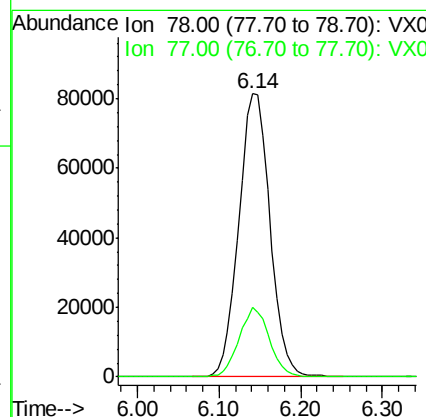
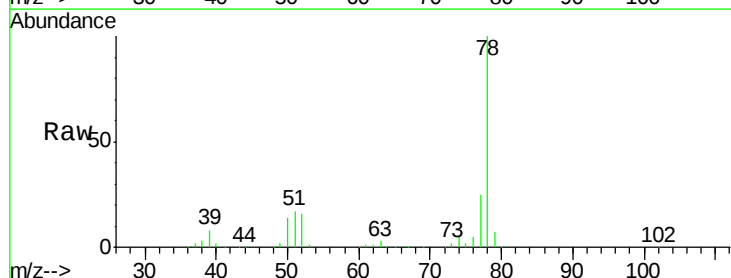
Instrument :
MSVOA_X
ClientSampled :
VX0314WBS02

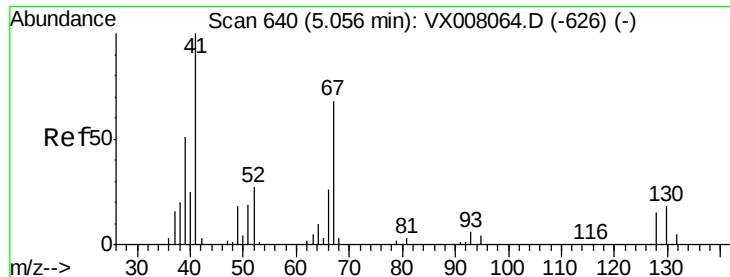
Tot Ion: 83 Resp: 87103
Ion Ratio Lower Upper
83 100
55 75.4 60.4 90.6
98 47.7 36.5 54.7



#40
Benzene
Concen: 19.437 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 78 Resp: 215923
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.4





#41

Methacrylonitrile

Concen: 19.451 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampled :

VX0314WBS02

Tot Ion: 41 Resp: 44134

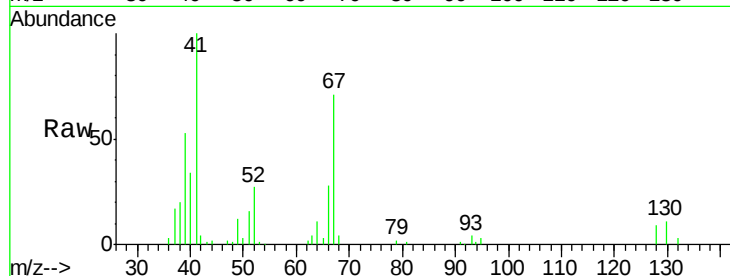
Ion Ratio Lower Upper

41 100

39 51.3 41.6 62.4

67 73.9 55.8 83.6

52 28.4 21.7 32.5

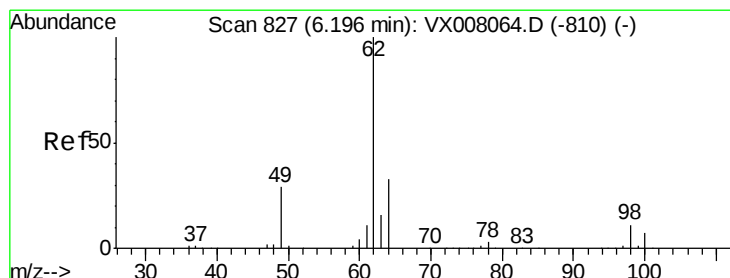
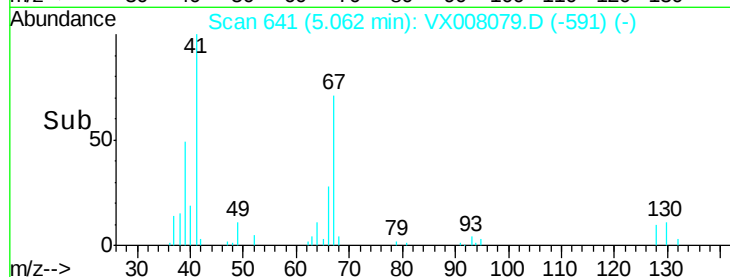
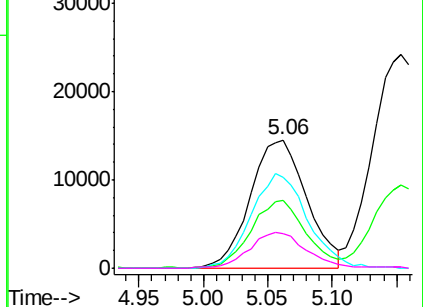


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#42

1,2-Dichloroethane

Concen: 18.976 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX008079.D

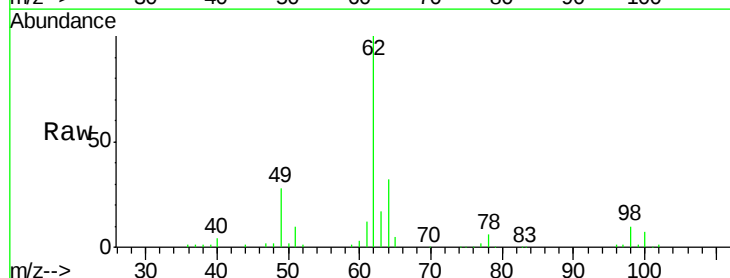
Acq: 14 Mar 2019 19:47

Tgt Ion: 62 Resp: 67433

Ion Ratio Lower Upper

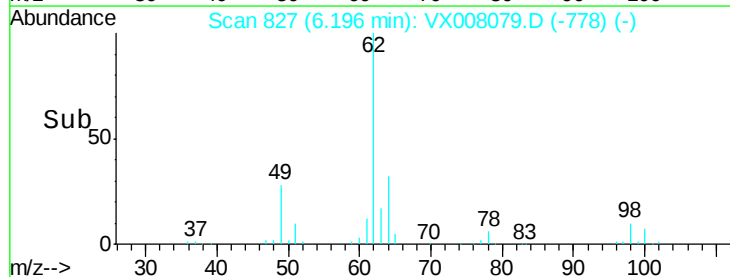
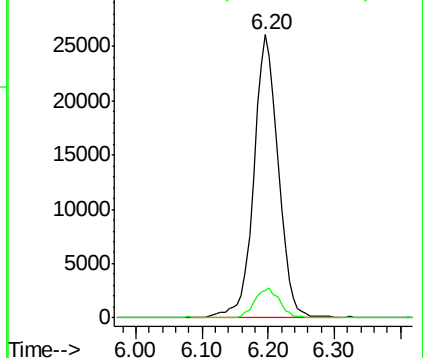
62 100

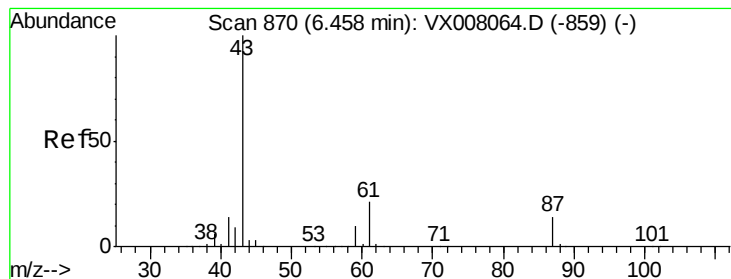
98 10.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.322 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

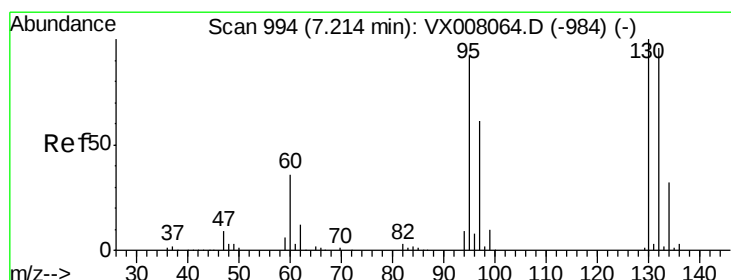
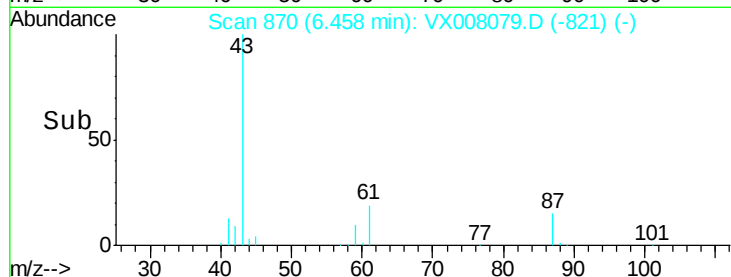
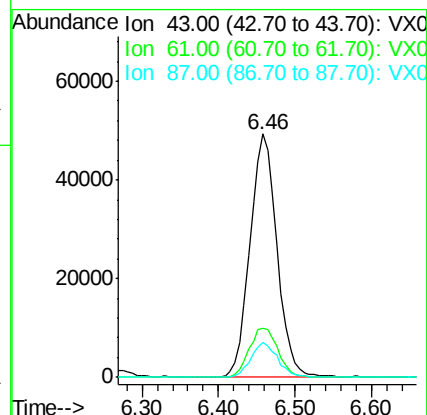
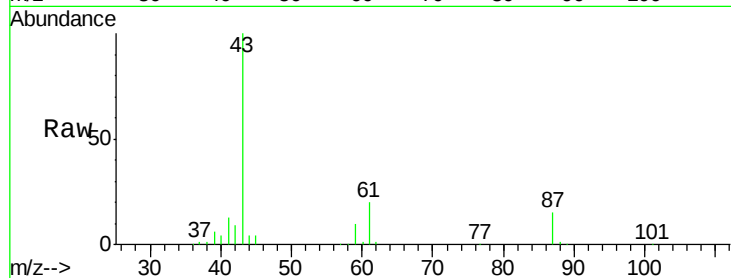
Tot Ion: 43 Resp: 121269

Ion Ratio Lower Upper

43 100

61 21.6 16.3 24.5

87 14.1 10.5 15.7



#44

Trichloroethene

Concen: 18.872 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008079.D

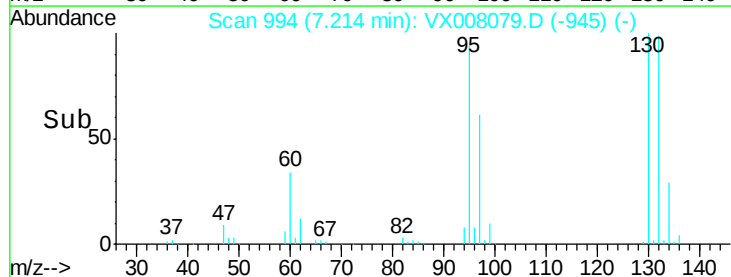
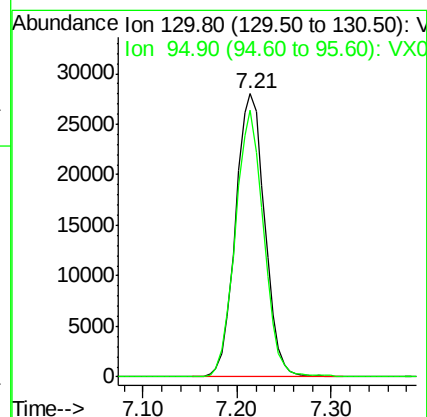
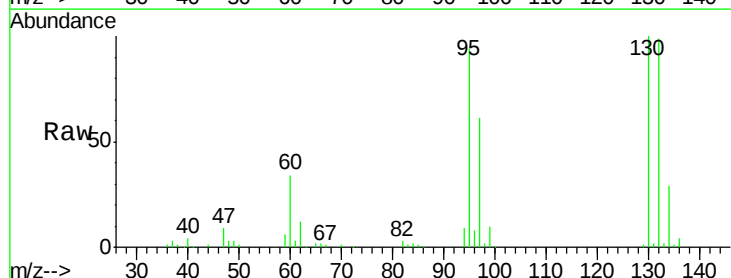
Acq: 14 Mar 2019 19:47

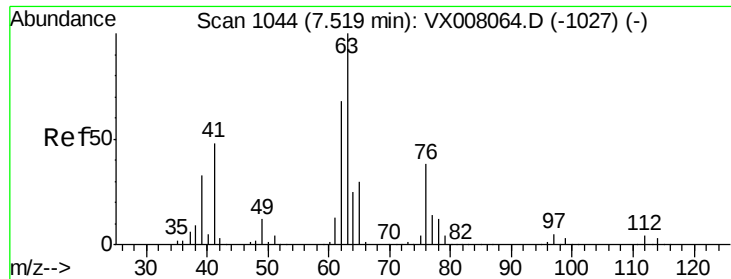
Tgt Ion:130 Resp: 60502

Ion Ratio Lower Upper

130 100

95 94.1 0.0 188.0





#45

1,2-Dichloropropane

Concen: 19.033 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

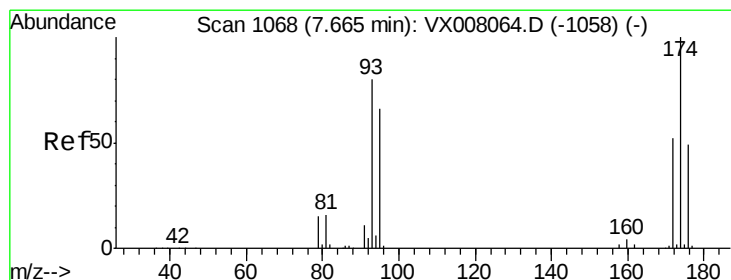
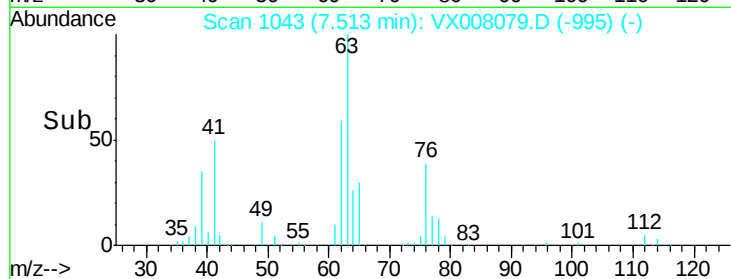
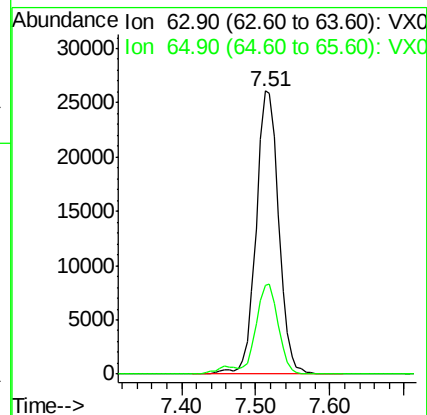
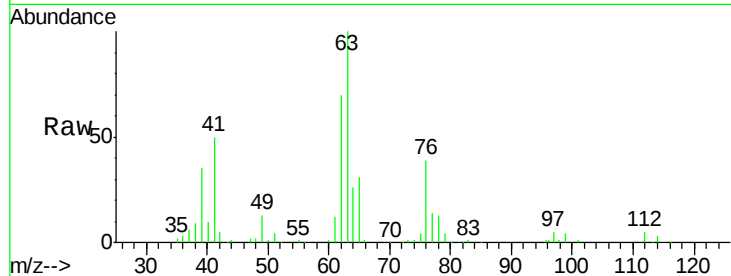
VX0314WBS02

Tot Ion: 63 Resp: 55777

Ion Ratio Lower Upper

63 100

65 31.5 24.7 37.1



#46

Dibromomethane

Concen: 19.239 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

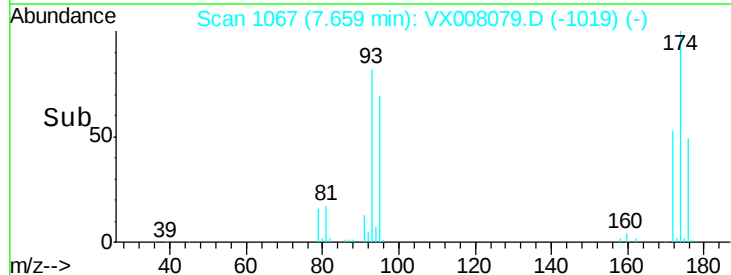
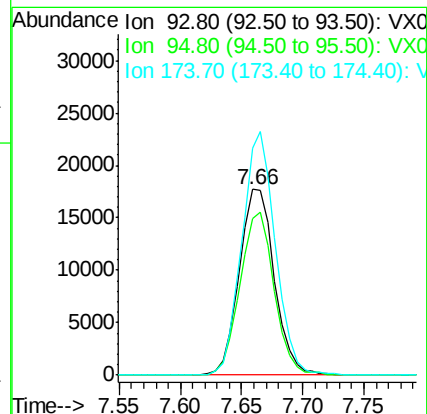
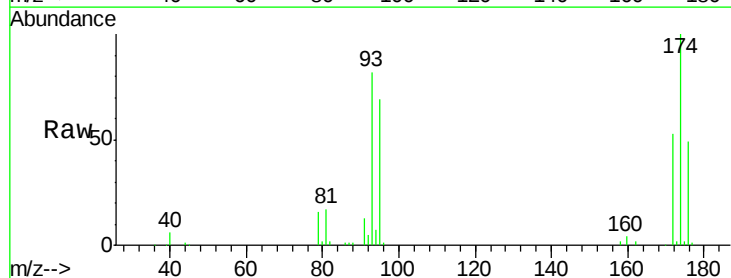
Tgt Ion: 93 Resp: 35339

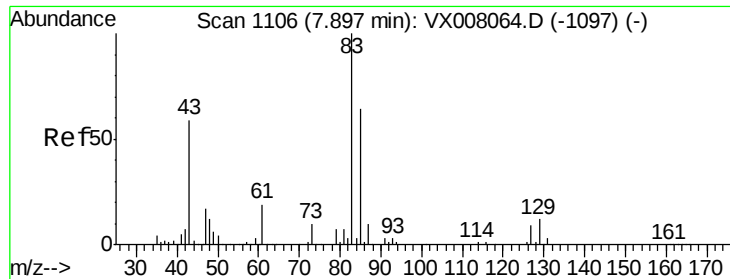
Ion Ratio Lower Upper

93 100

95 85.4 66.8 100.2

174 125.2 97.3 145.9





#47

Bromodichloromethane

Concen: 18.162 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

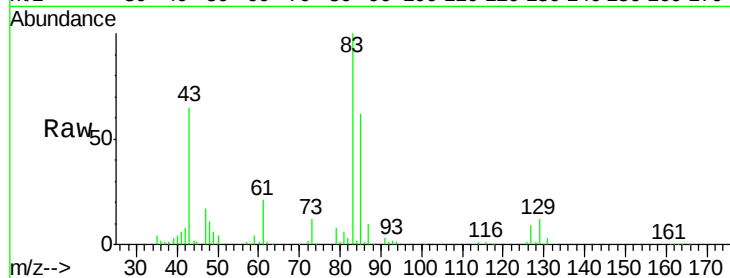
Tot Ion: 83 Resp: 63446

Ion Ratio Lower Upper

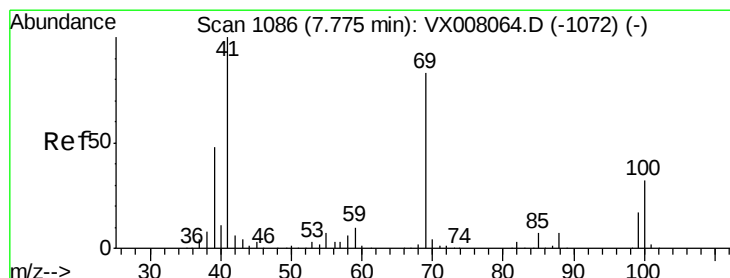
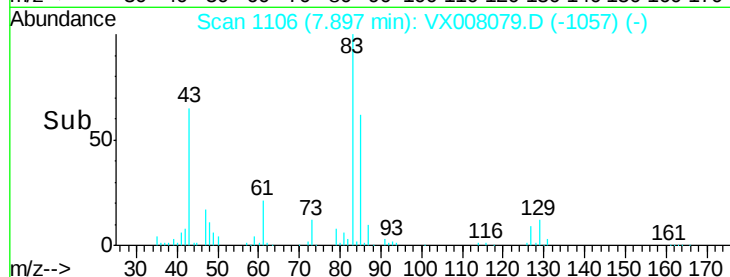
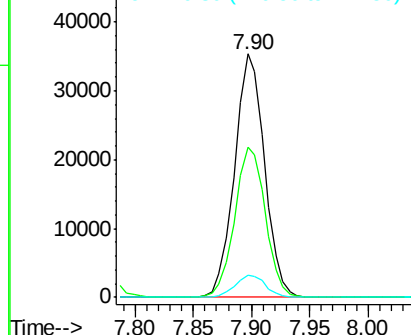
83 100

85 61.6 50.9 76.3

127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.911 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

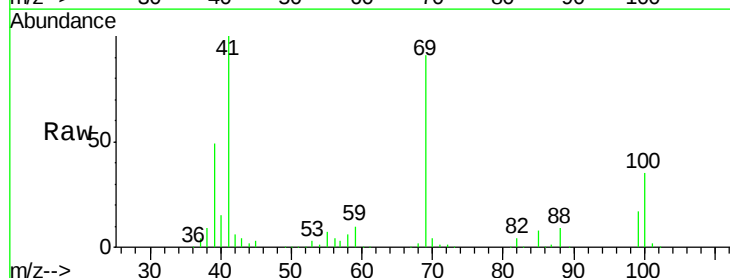
Tgt Ion: 41 Resp: 61989

Ion Ratio Lower Upper

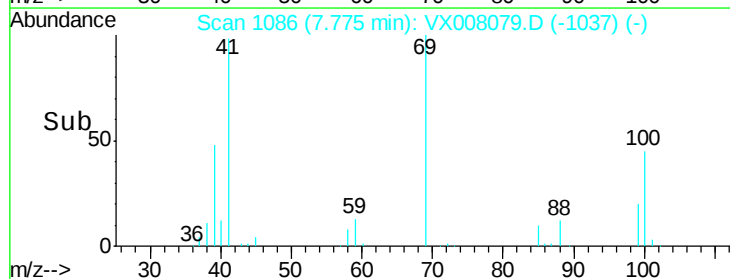
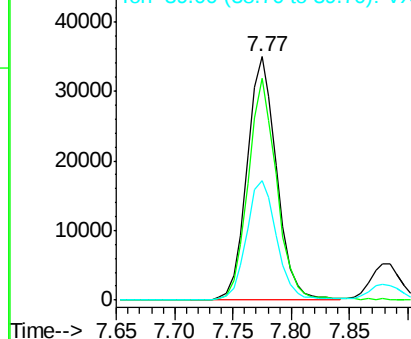
41 100

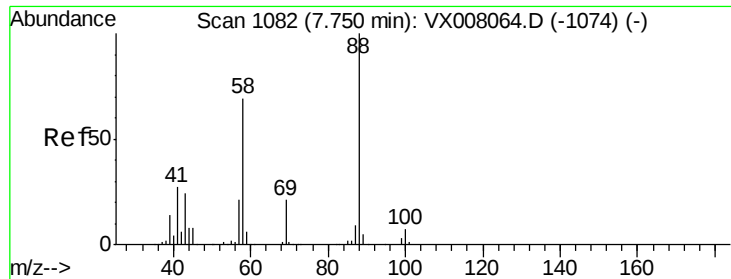
69 87.9 65.2 97.8

39 50.2 39.4 59.2



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

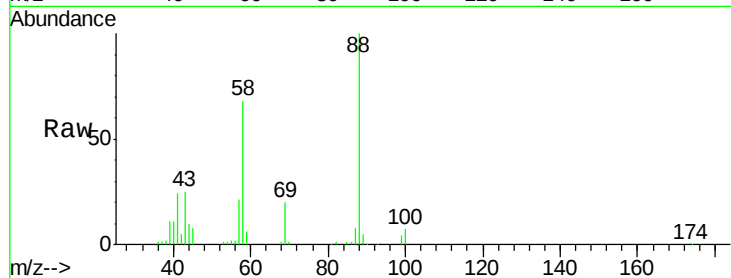




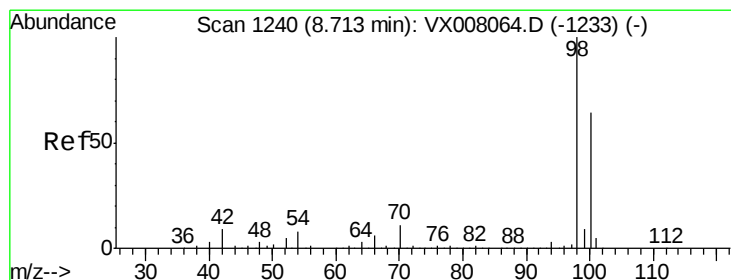
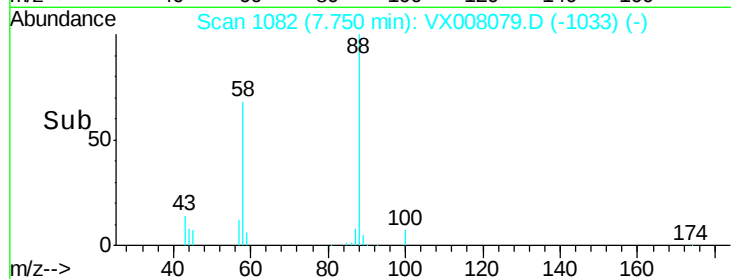
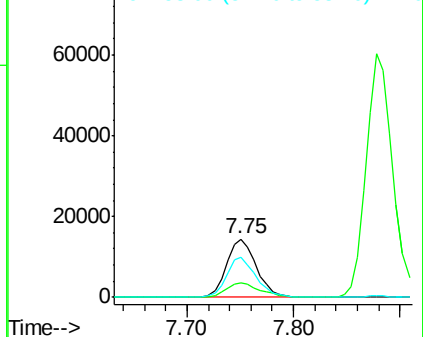
#49
1,4-Dioxane
Concen: 397.169 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

Tot Ion: 88 Resp: 28079
Ion Ratio Lower Upper
88 100
43 30.0 25.1 37.7
58 69.3 57.8 86.6

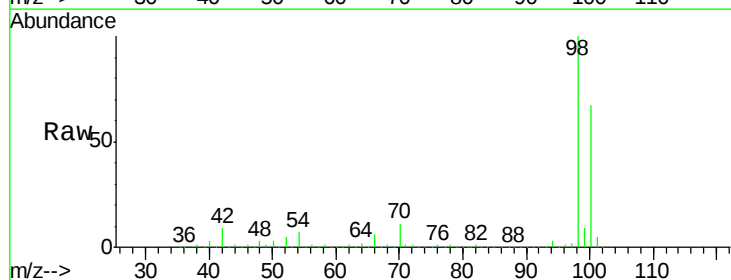


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

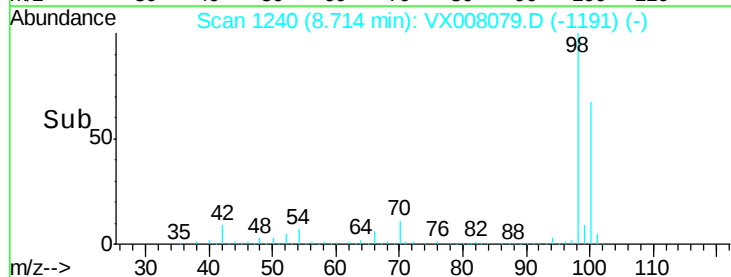
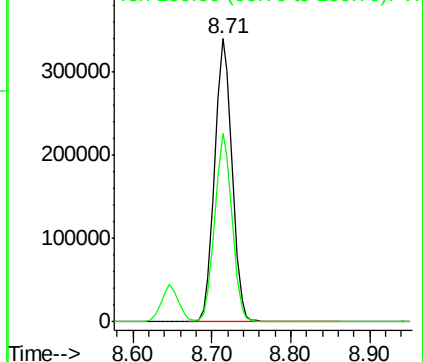


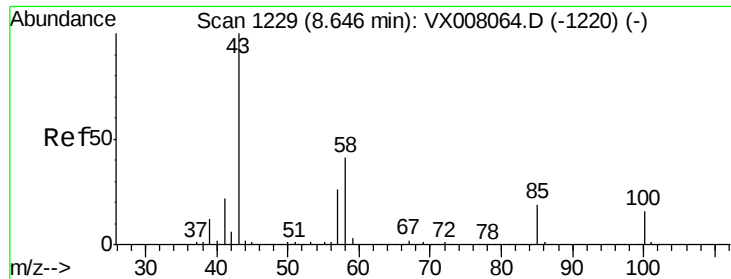
#50
Toluene-d8
Concen: 49.508 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 98 Resp: 526302
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 95.781 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

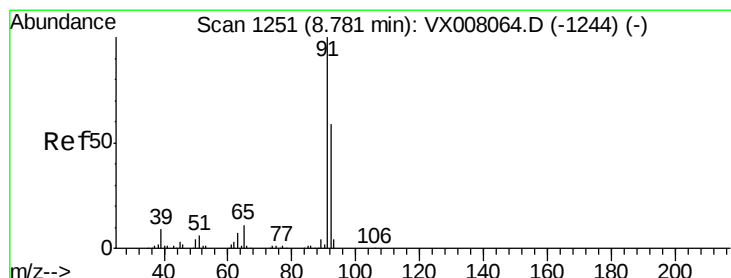
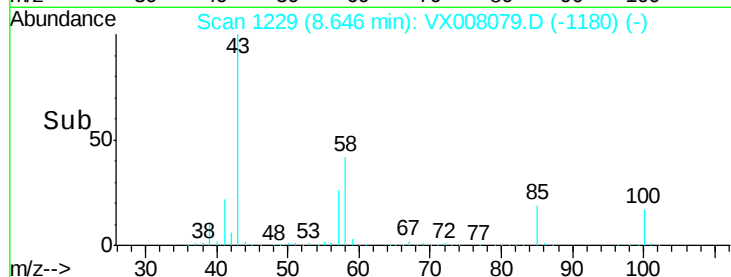
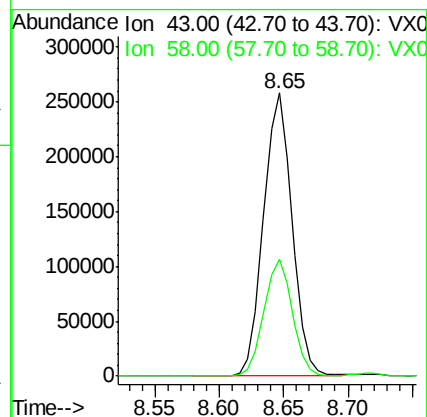
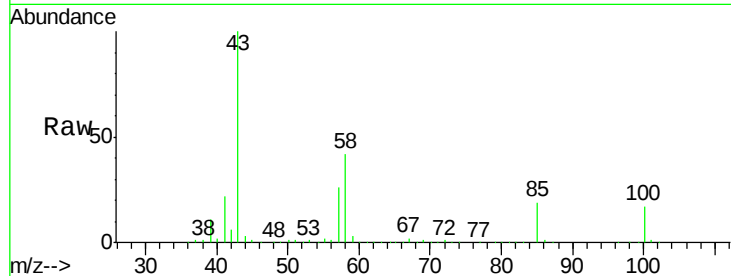
VX0314WBS02

Tot Ion: 43 Resp: 396193

Ion Ratio Lower Upper

43 100

58 41.1 31.3 46.9



#52

Toluene

Concen: 19.152 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008079.D

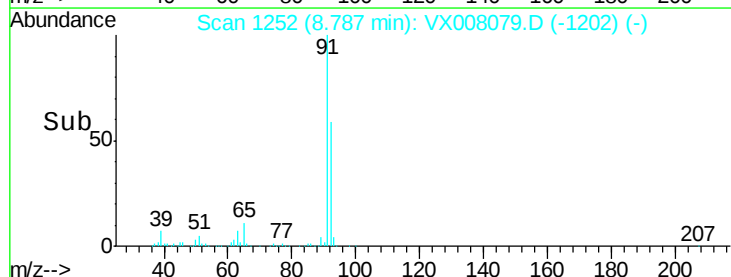
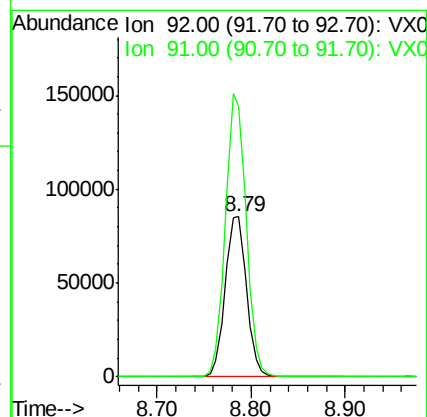
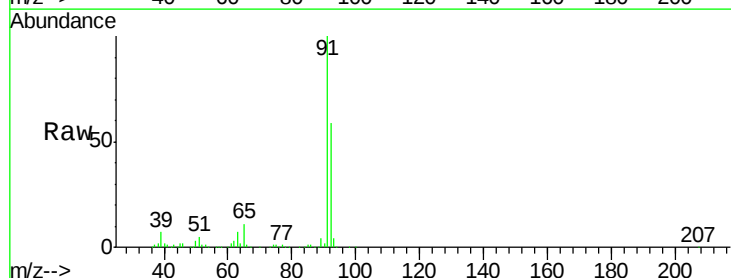
Acq: 14 Mar 2019 19:47

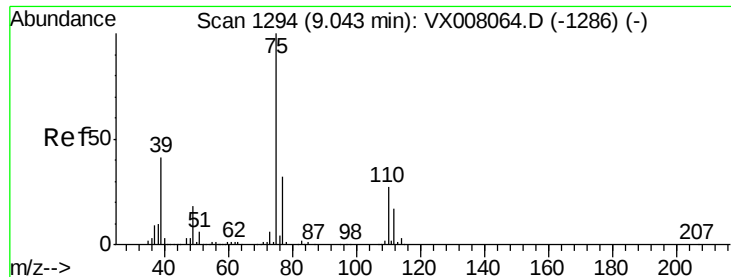
Tgt Ion: 92 Resp: 135234

Ion Ratio Lower Upper

92 100

91 172.0 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 17.933 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampled :

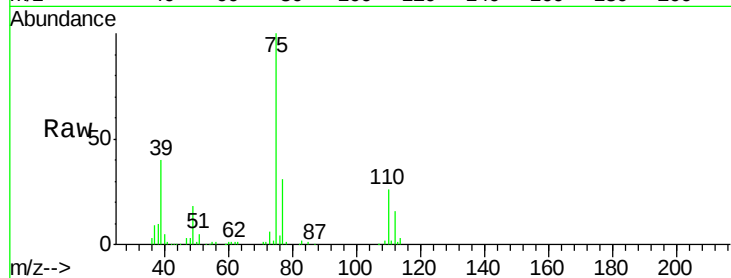
VX0314WBS02

Tot Ion: 75 Resp: 68672

Ion Ratio Lower Upper

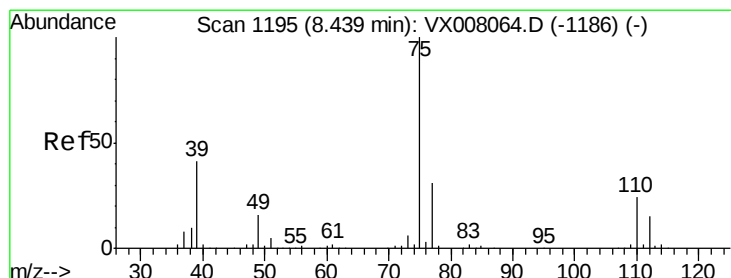
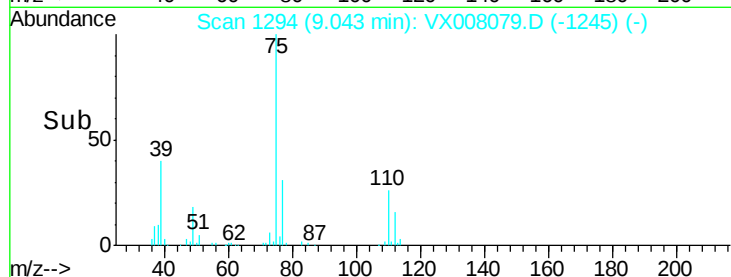
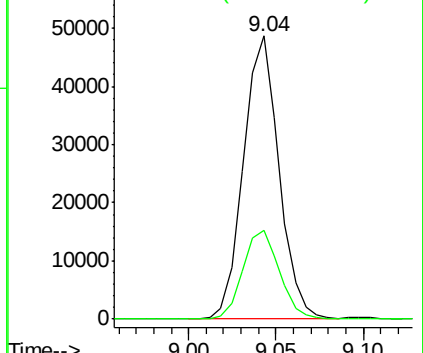
75 100

77 31.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.794 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

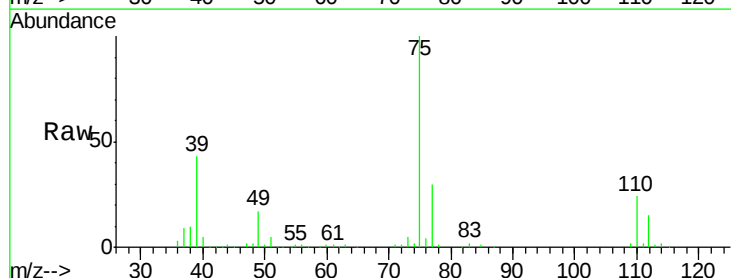
Tgt Ion: 75 Resp: 79988

Ion Ratio Lower Upper

75 100

77 29.9 25.0 37.6

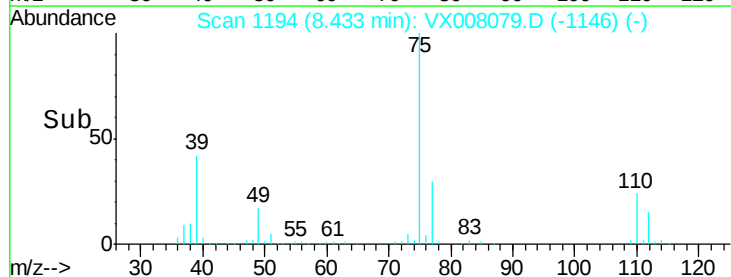
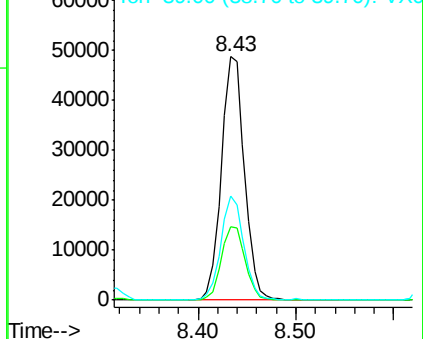
39 42.5 36.6 54.8

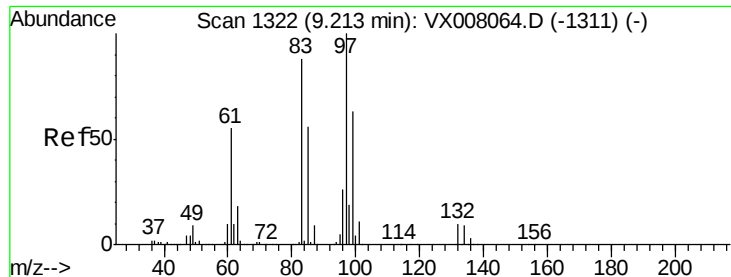


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

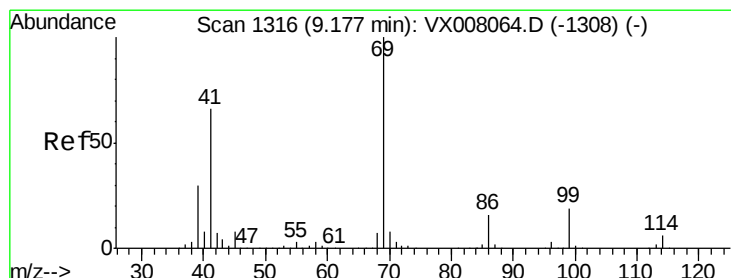
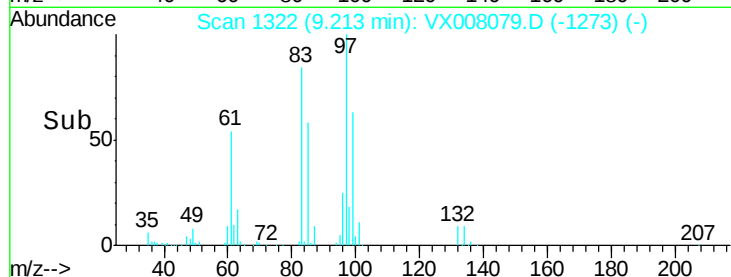
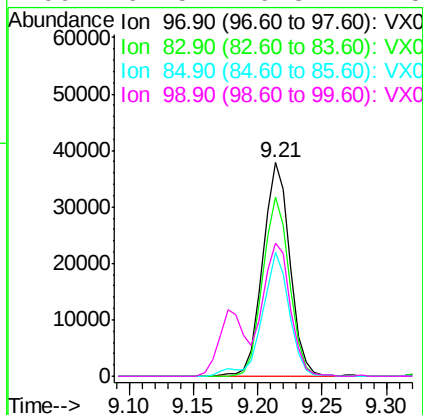
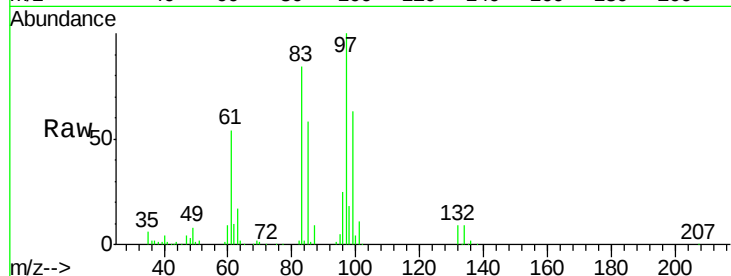




#55
 1,1,2-Trichloroethane
 Concen: 19.226 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

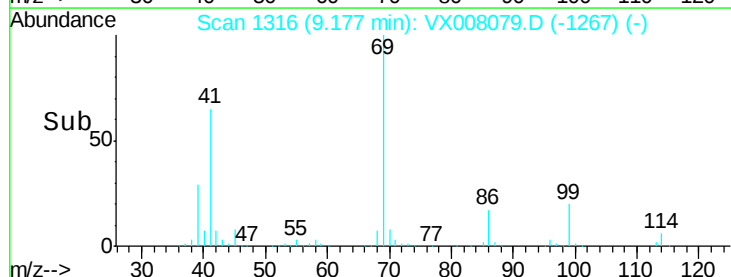
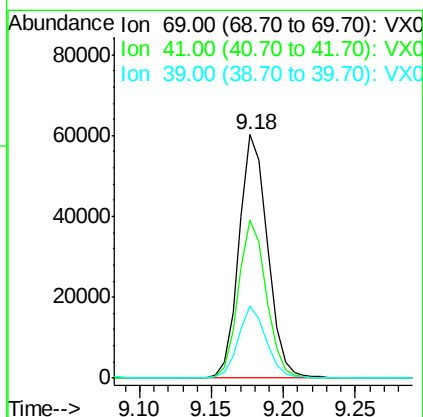
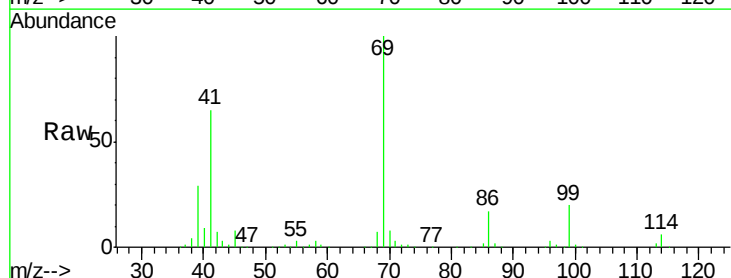
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

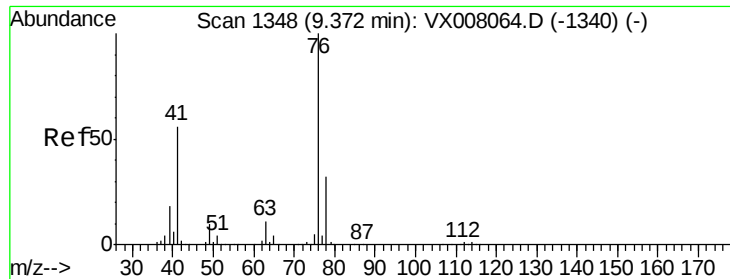
Tot Ion: 97 Resp: 55278
 Ion Ratio Lower Upper
 97 100
 83 83.9 69.1 103.7
 85 58.3 44.3 66.5
 99 62.5 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 19.545 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion: 69 Resp: 83010
 Ion Ratio Lower Upper
 69 100
 41 63.5 54.2 81.4
 39 28.5 25.0 37.4





#57

1,3-Dichloropropane

Concen: 18.765 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

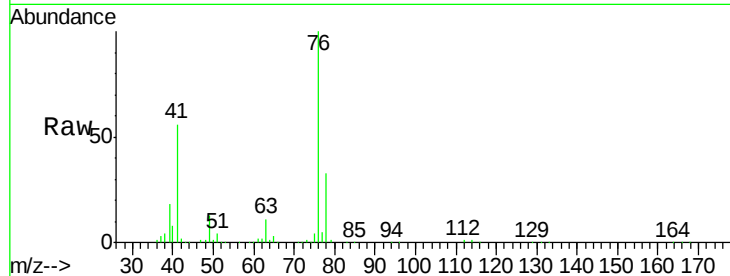
VX0314WBS02

Tot Ion: 76 Resp: 89286

Ion Ratio Lower Upper

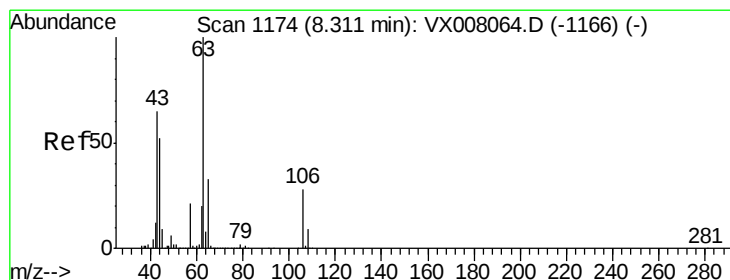
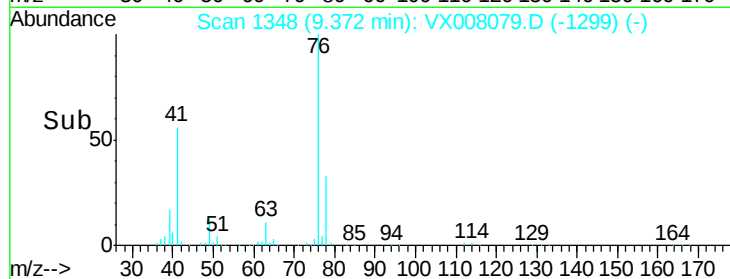
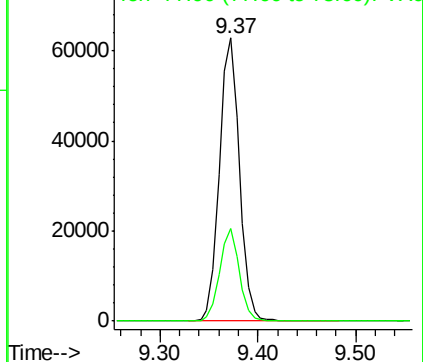
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 93.870 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008079.D

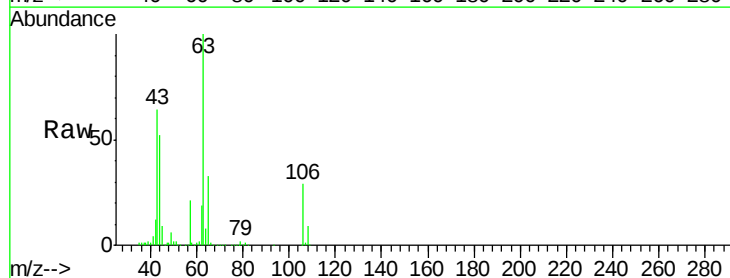
Acq: 14 Mar 2019 19:47

Tgt Ion: 63 Resp: 234535

Ion Ratio Lower Upper

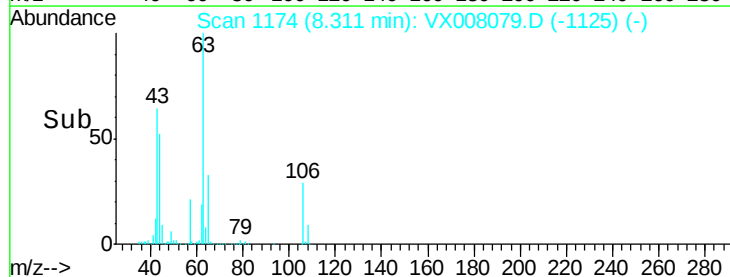
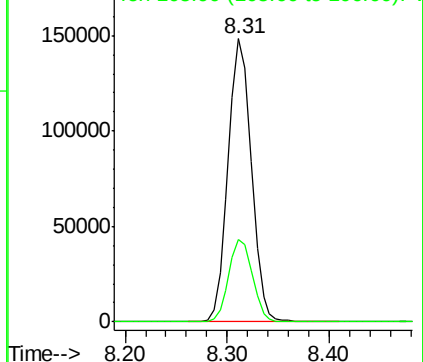
63 100

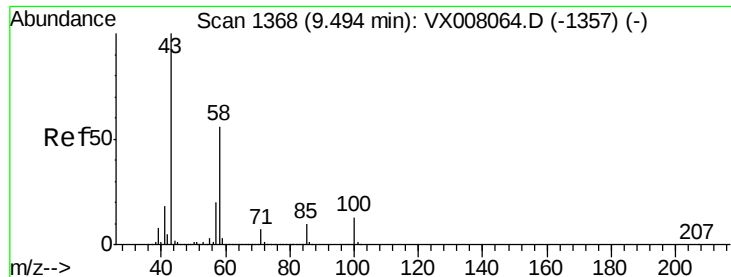
106 29.6 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

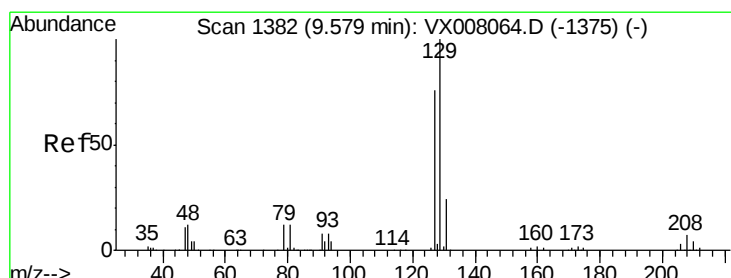
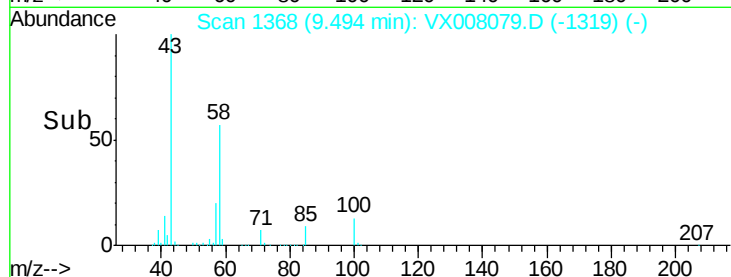
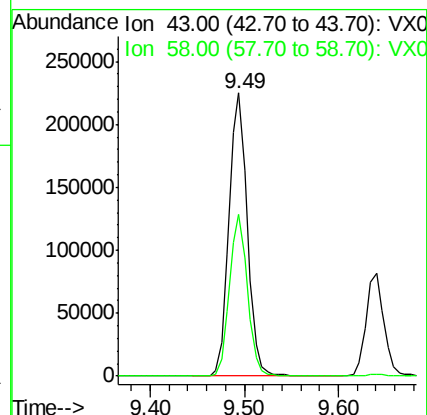
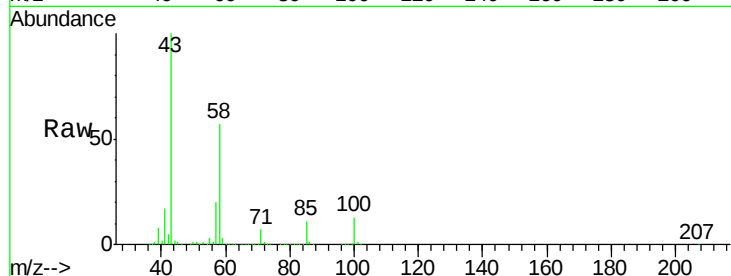




#59
2-Hexanone
Concen: 93.732 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

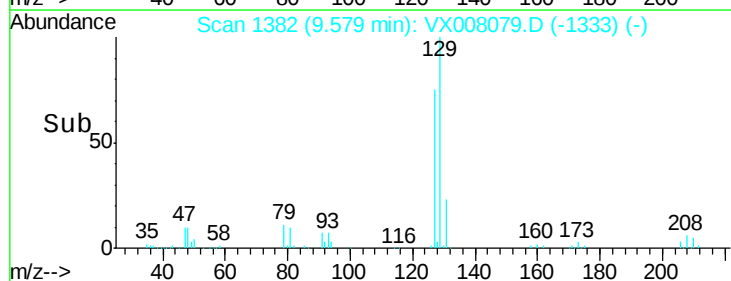
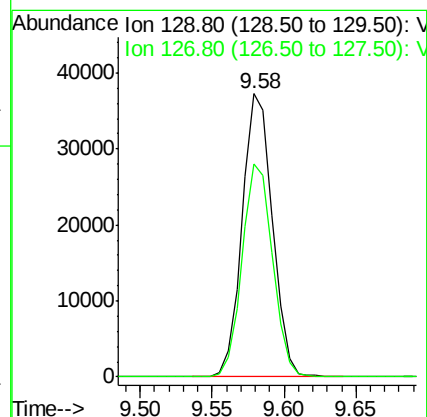
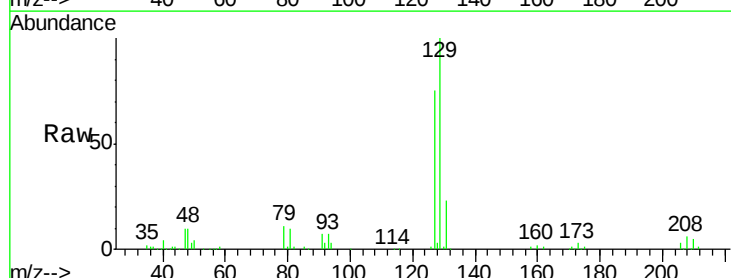
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

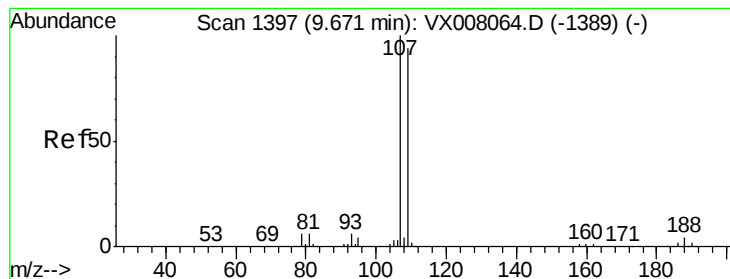
Tot Ion: 43 Resp: 303221
Ion Ratio Lower Upper
43 100
58 56.5 27.6 82.7



#60
Dibromochloromethane
Concen: 18.326 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 129 Resp: 54304
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.171 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

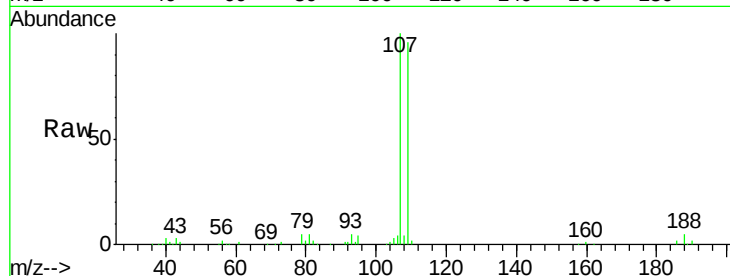
VX0314WBS02

Tot Ion:107 Resp: 57757

Ion Ratio Lower Upper

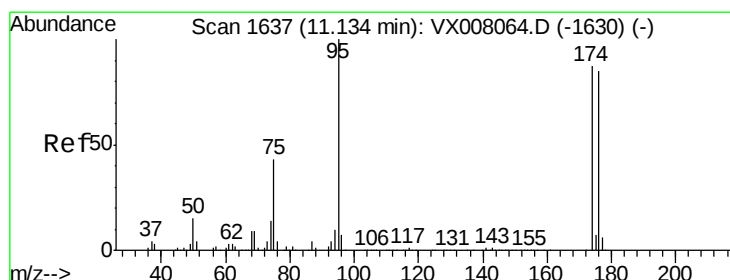
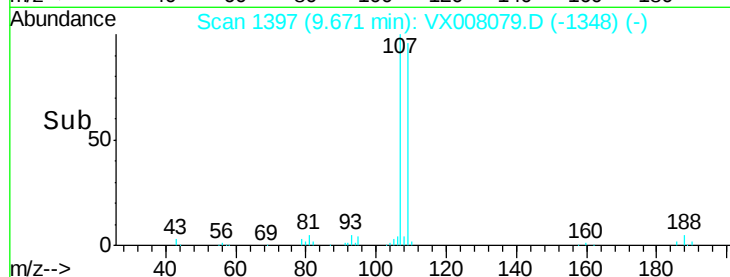
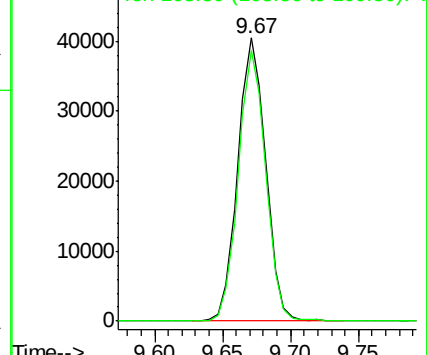
107 100

109 94.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.266 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

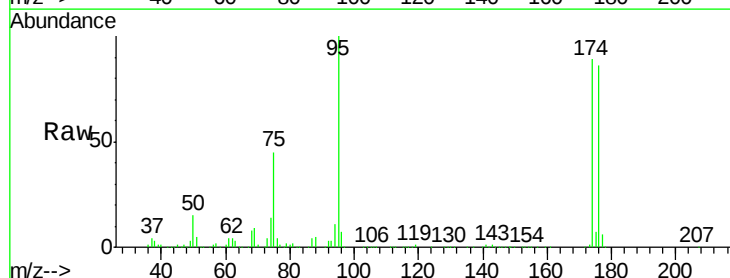
Tgt Ion: 95 Resp: 183811

Ion Ratio Lower Upper

95 100

174 94.0 0.0 182.8

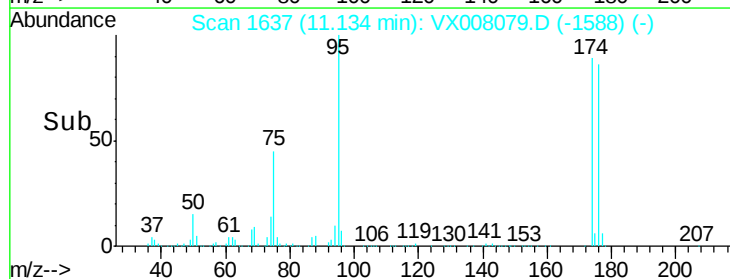
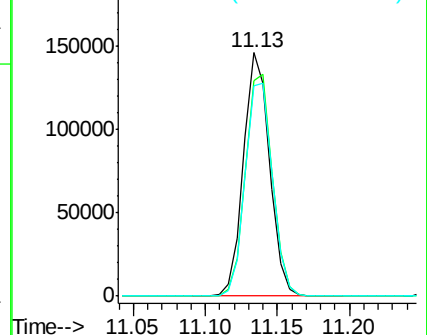
176 91.8 0.0 178.0

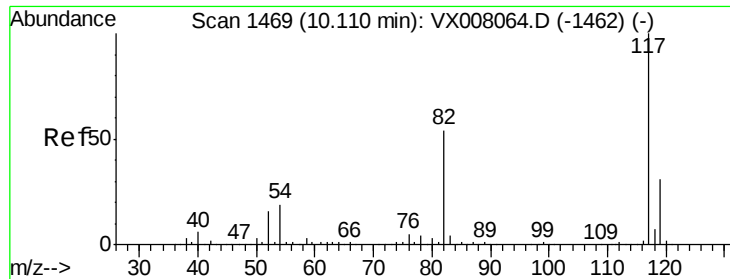


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

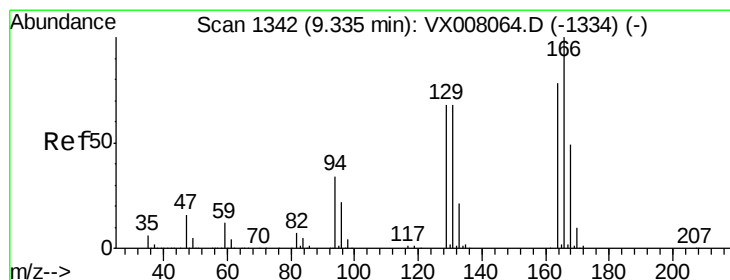
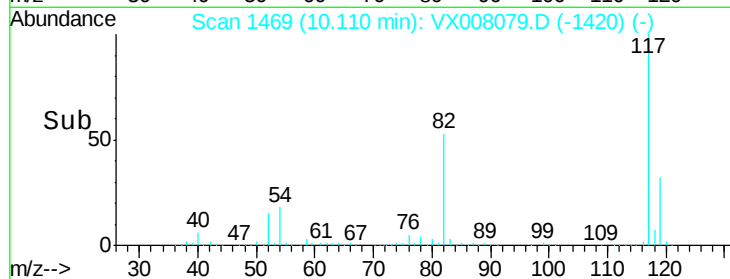
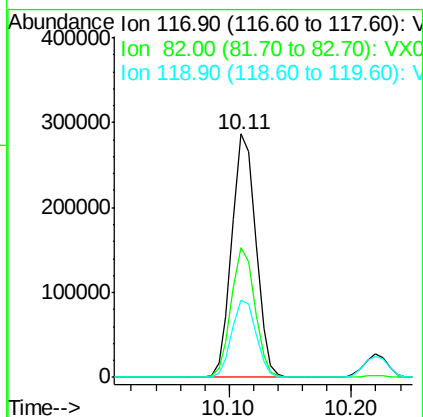
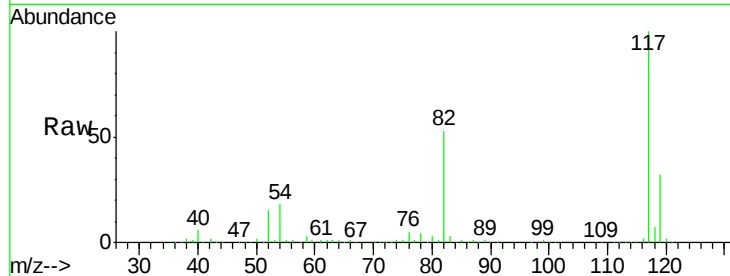




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

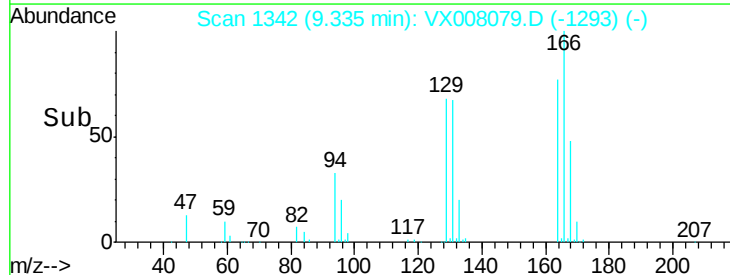
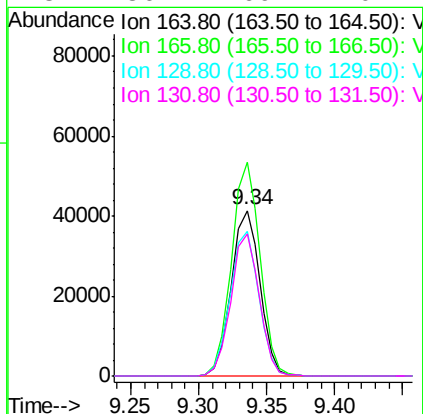
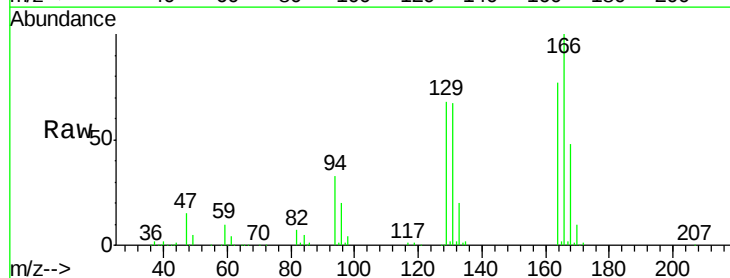
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

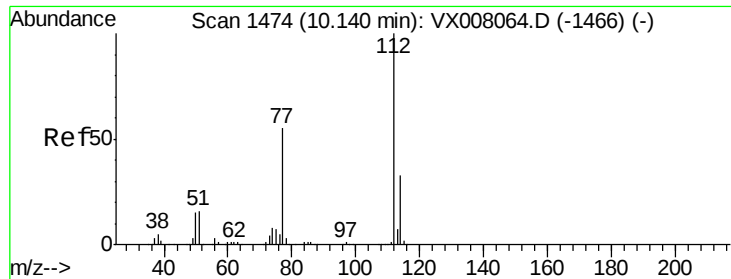
Tot Ion:117 Resp: 389450
Ion Ratio Lower Upper
117 100
82 53.4 44.3 66.5
119 31.8 25.3 37.9



#64
Tetrachloroethene
Concen: 19.258 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion:164 Resp: 60768
Ion Ratio Lower Upper
164 100
166 129.2 103.4 155.0
129 87.7 72.2 108.4
131 86.1 69.4 104.2

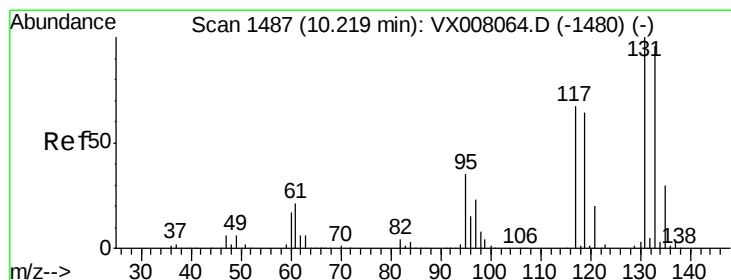
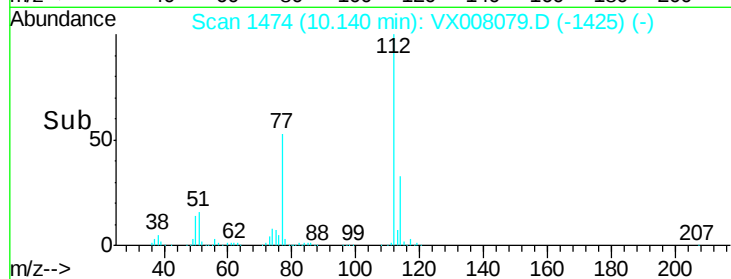
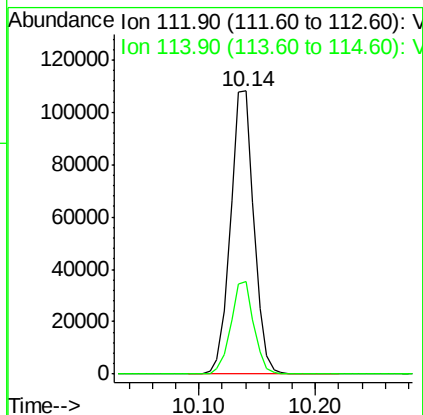
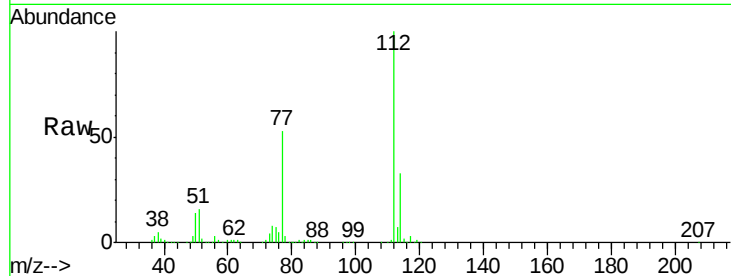




#65
Chlorobenzene
Concen: 19.605 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

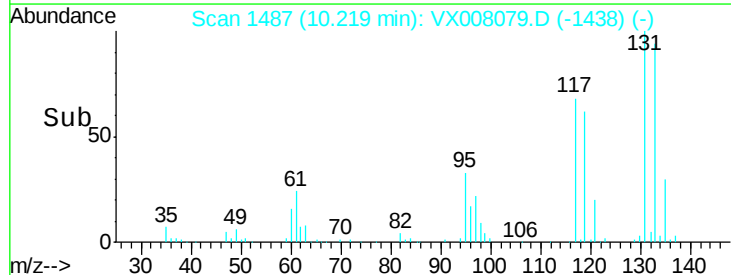
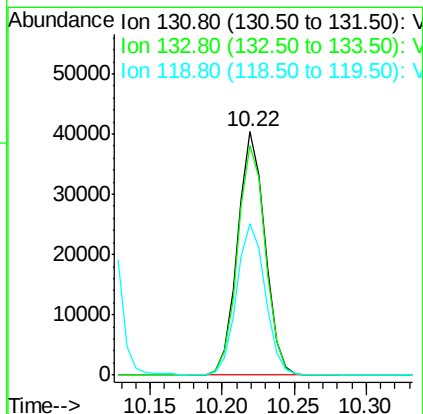
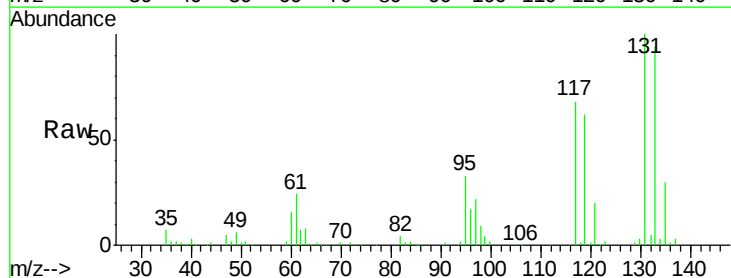
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

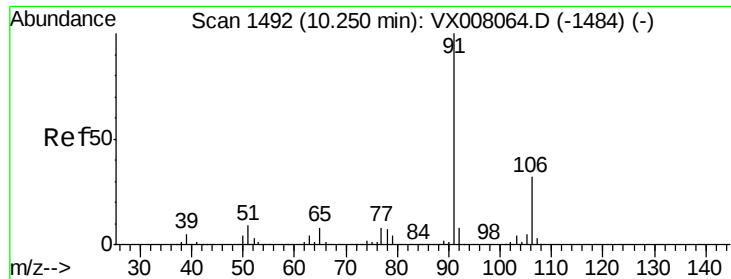
Tot Ion:112 Resp: 151520
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.517 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion:131 Resp: 53530
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 65.0 32.5 97.5





#67

Ethyl Benzene

Concen: 19.413 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampled :

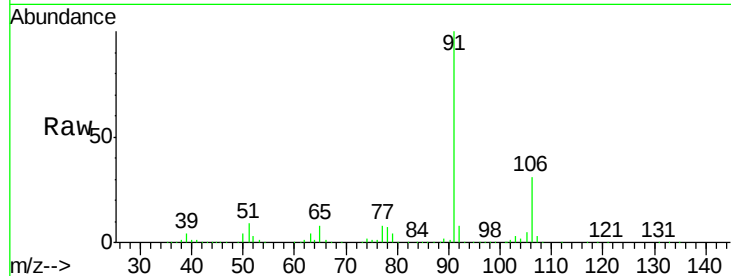
VX0314WBS02

Tot Ion: 91 Resp: 248327

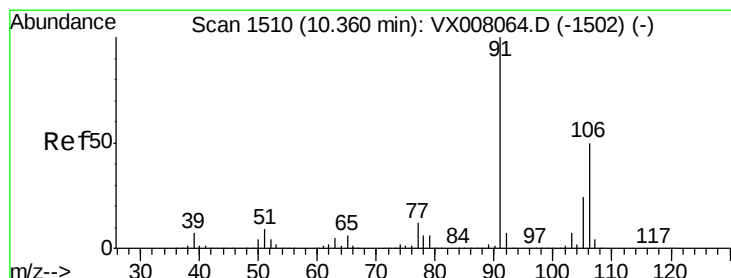
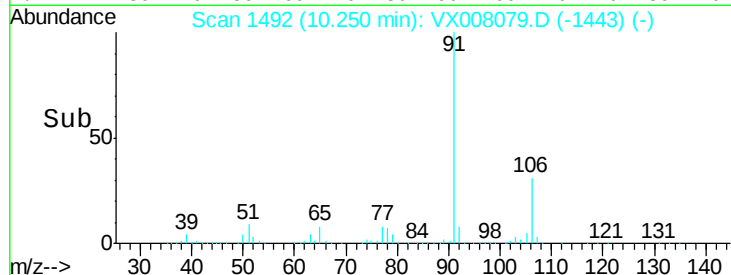
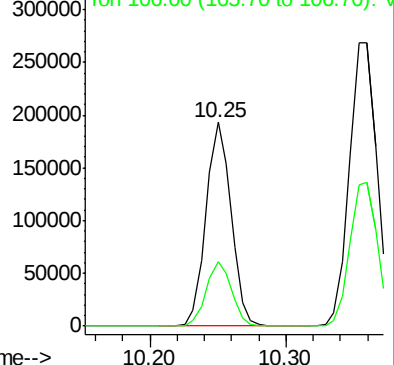
Ion Ratio Lower Upper

91 100

106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX008064.D (-1484) (-)



#68

m/p-Xylenes

Concen: 39.364 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008079.D

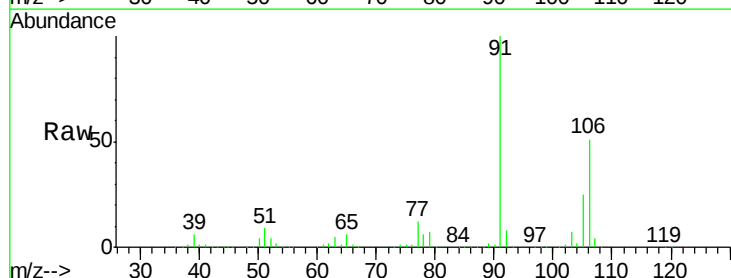
Acq: 14 Mar 2019 19:47

Tgt Ion: 106 Resp: 192683

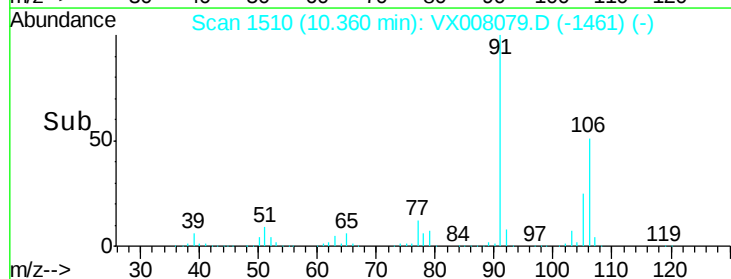
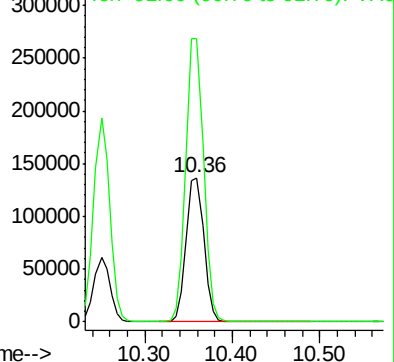
Ion Ratio Lower Upper

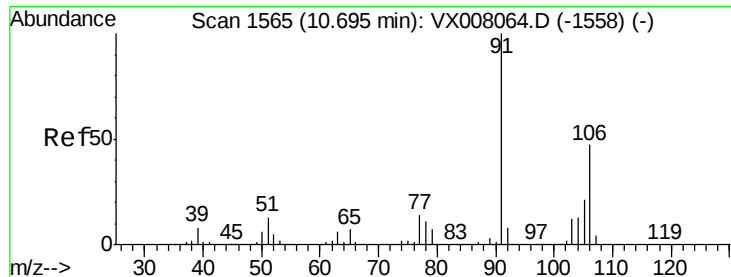
106 100

91 197.5 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VX008064.D (-1502) (-)

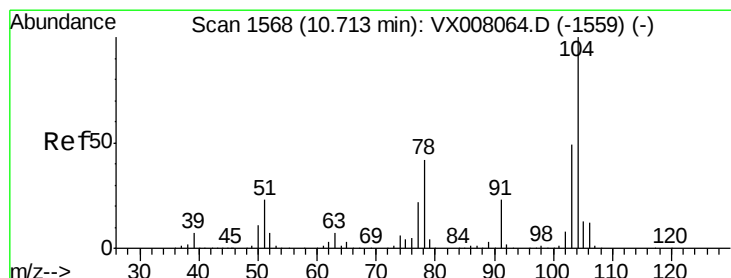
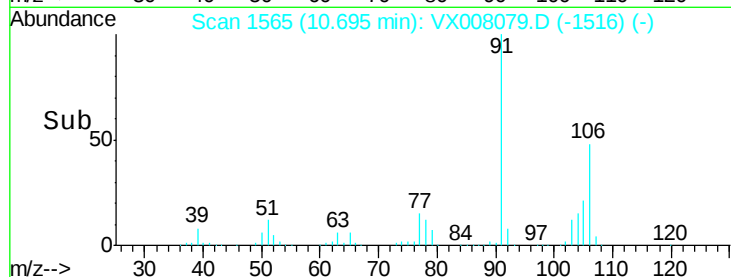
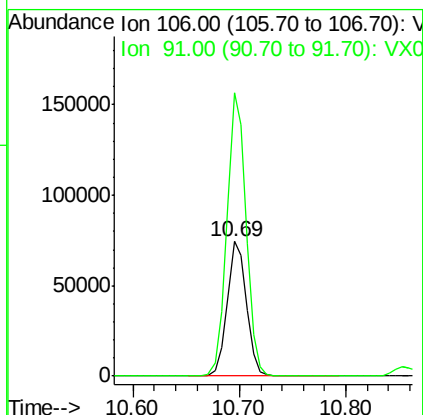
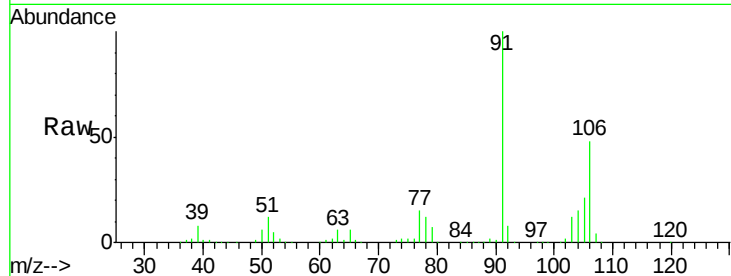




#69
o-Xylene
Concen: 19.784 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

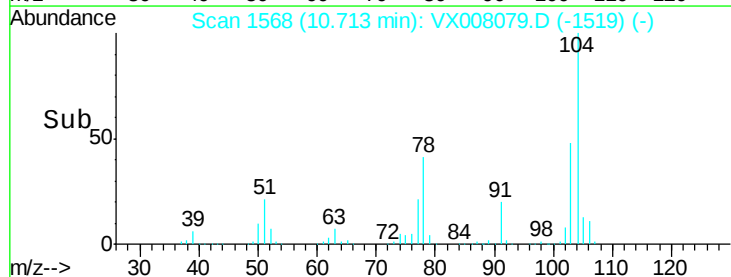
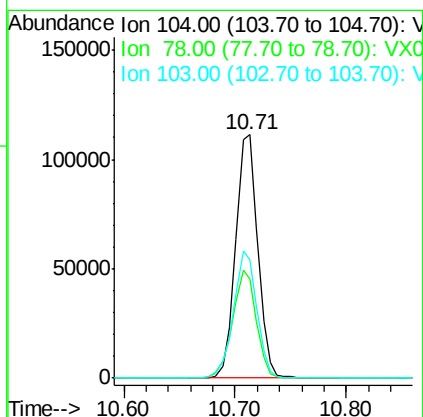
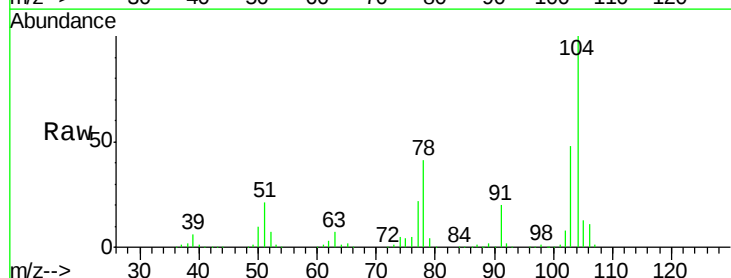
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

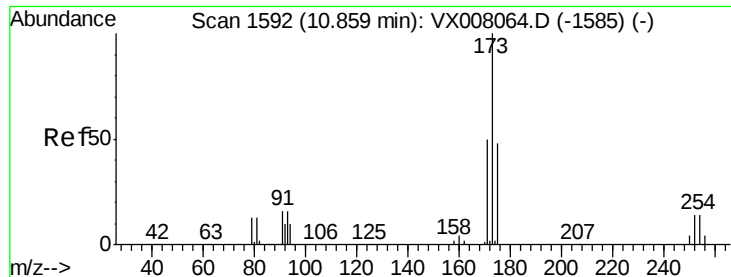
Tot Ion:106 Resp: 94402
Ion Ratio Lower Upper
106 100
91 209.9 106.3 318.9



#70
Styrene
Concen: 19.701 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion:104 Resp: 154006
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.7 44.1 66.1





#71

Bromoform

Concen: 18.248 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

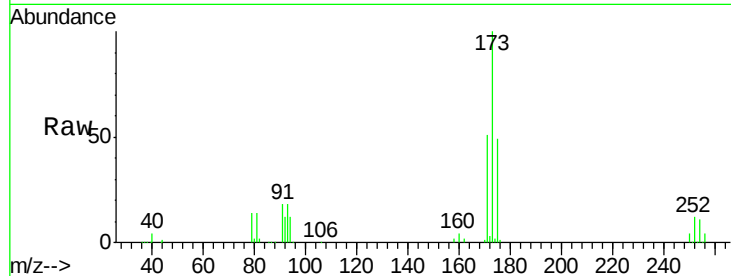
Tot Ion:173 Resp: 41420

Ion Ratio Lower Upper

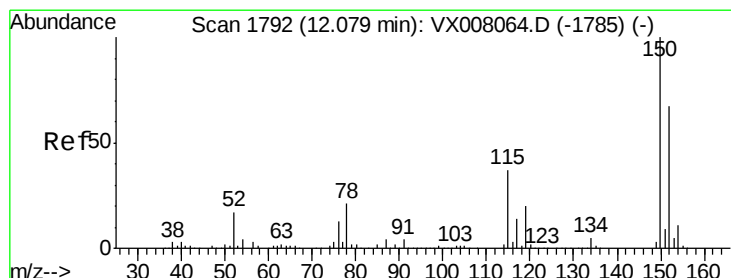
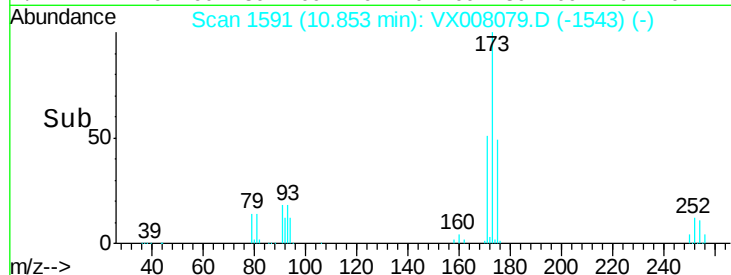
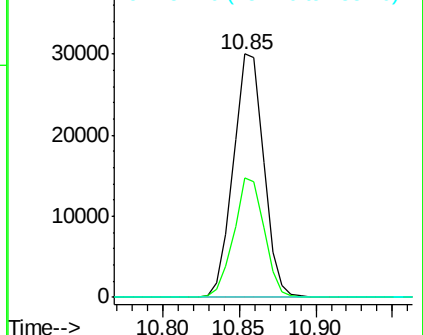
173 100

175 49.1 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

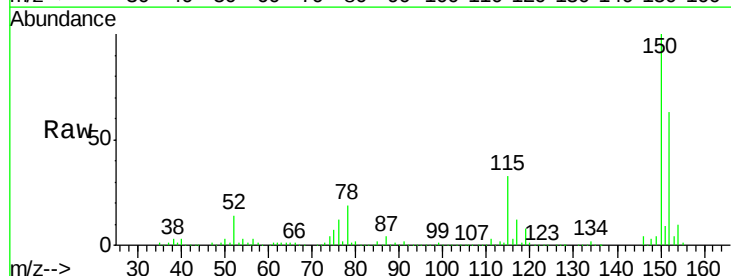
Tgt Ion:152 Resp: 192632

Ion Ratio Lower Upper

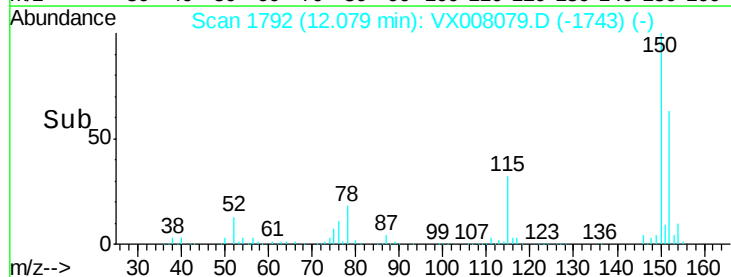
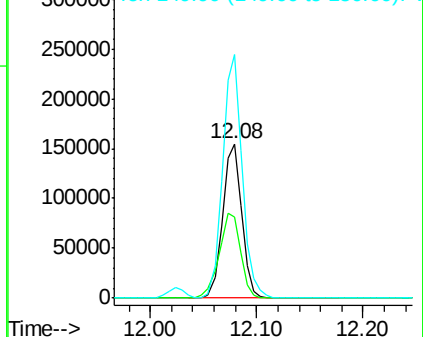
152 100

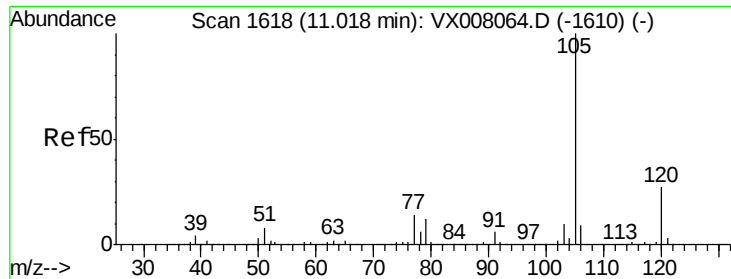
115 61.9 38.6 115.7

150 161.6 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.353 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

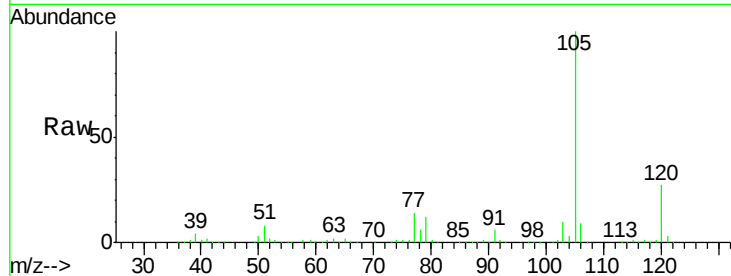
VX0314WBS02

Tot Ion:105 Resp: 251111

Ion Ratio Lower Upper

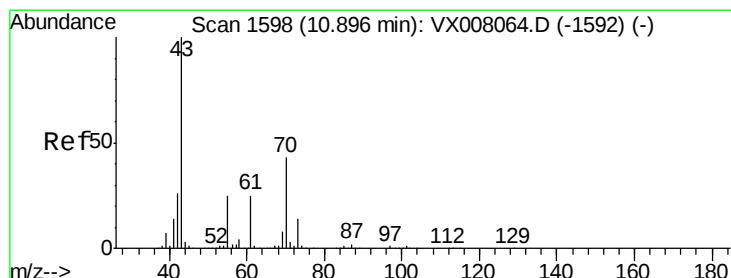
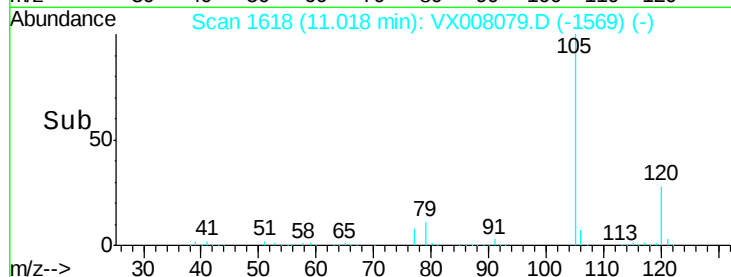
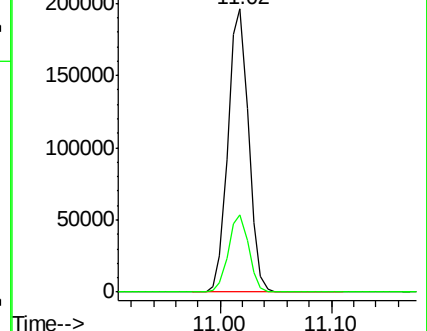
105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.468 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Tgt Ion: 43 Resp: 101323

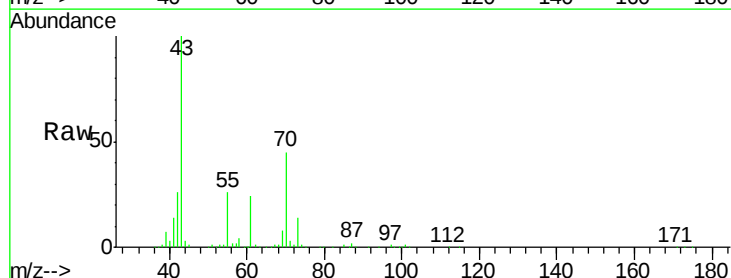
Ion Ratio Lower Upper

43 100

70 44.0 33.5 50.3

55 25.7 19.2 28.8

61 25.1 19.0 28.6

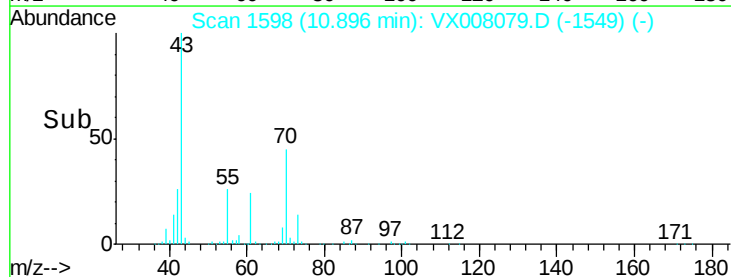
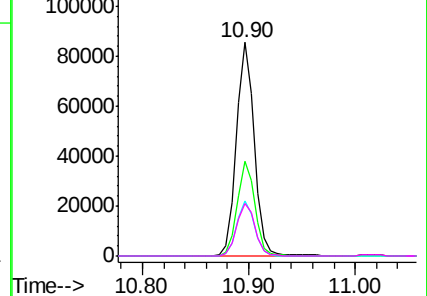


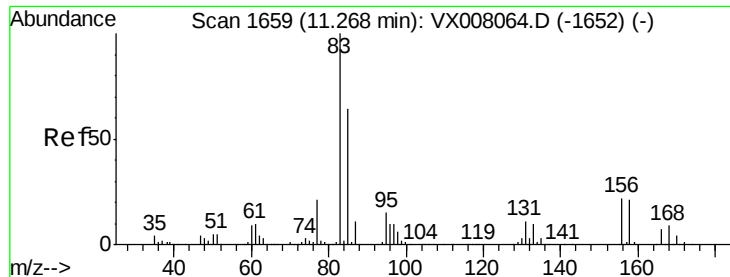
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.771 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

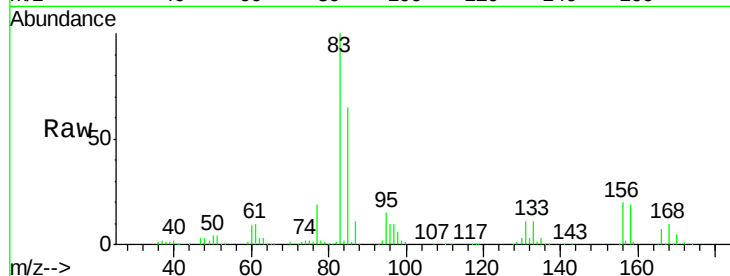
Tot Ion: 83 Resp: 79925

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

85 64.8 32.3 96.8

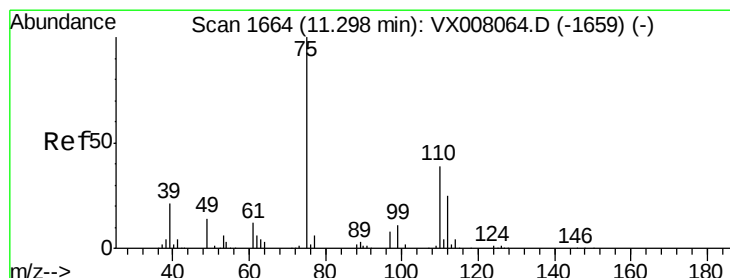
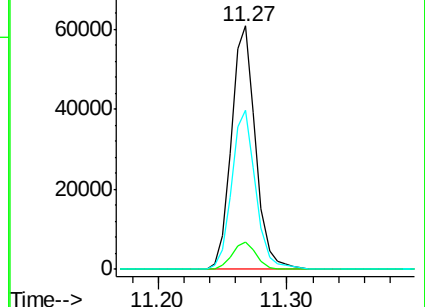
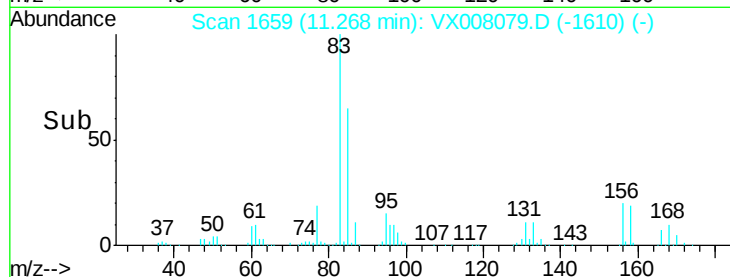


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.666 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008079.D

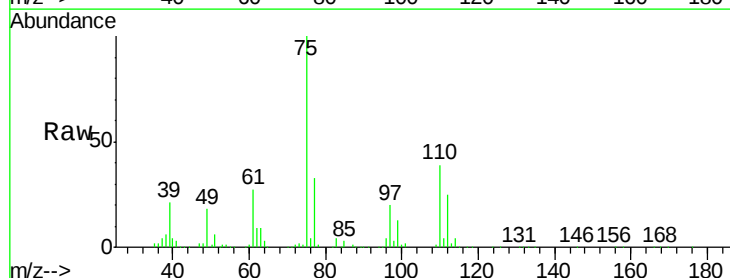
Acq: 14 Mar 2019 19:47

Tgt Ion: 75 Resp: 89209

Ion Ratio Lower Upper

75 100

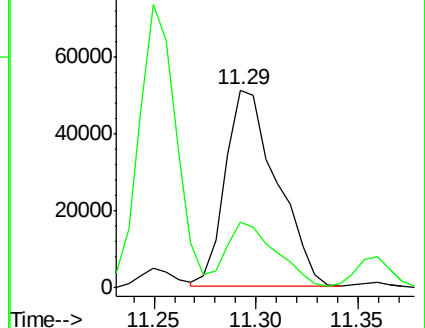
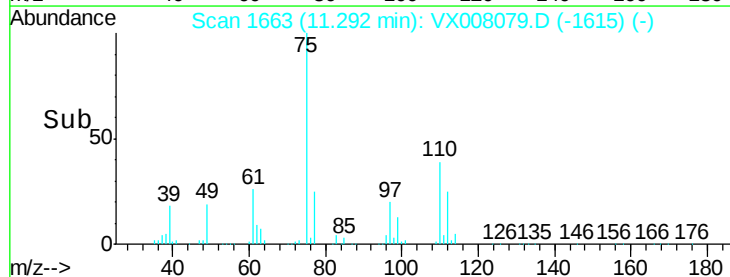
77 33.0 18.9 56.7

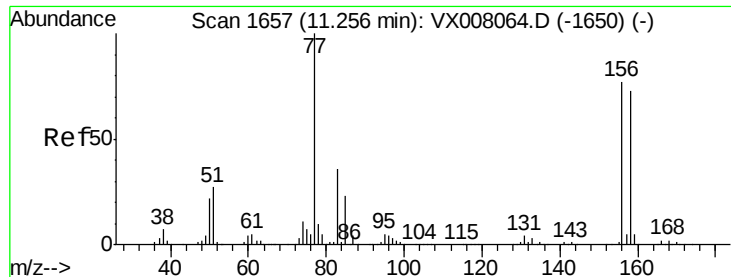


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#77

Bromobenzene

Concen: 20.272 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

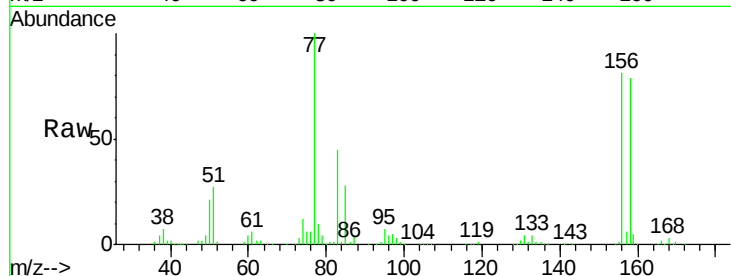
Tot Ion:156 Resp: 68268

Ion Ratio Lower Upper

156 100

77 135.6 72.0 215.9

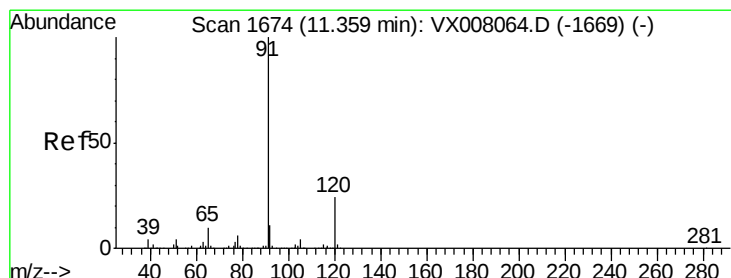
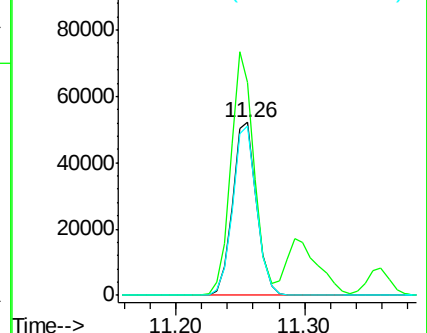
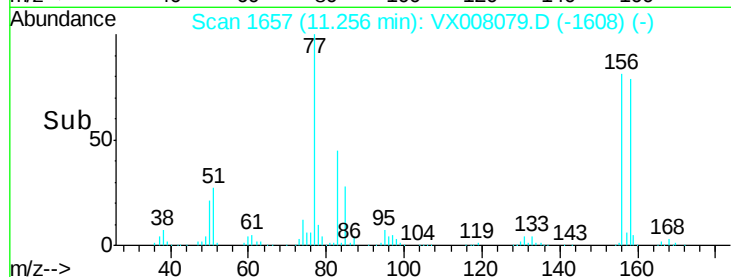
158 97.3 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.770 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008079.D

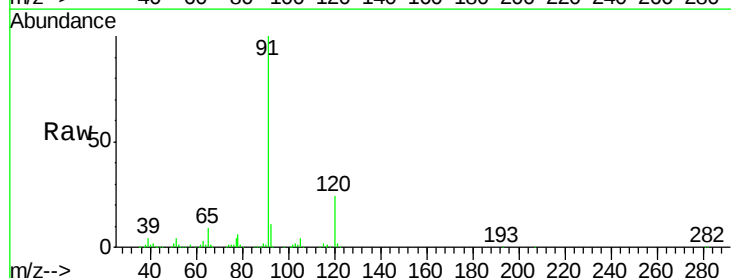
Acq: 14 Mar 2019 19:47

Tgt Ion: 91 Resp: 267613

Ion Ratio Lower Upper

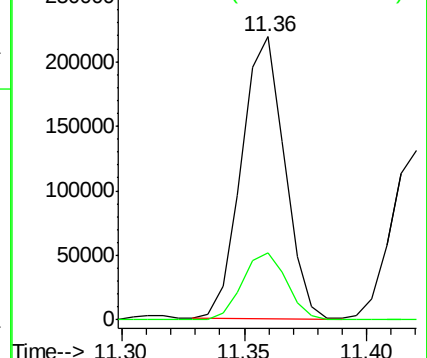
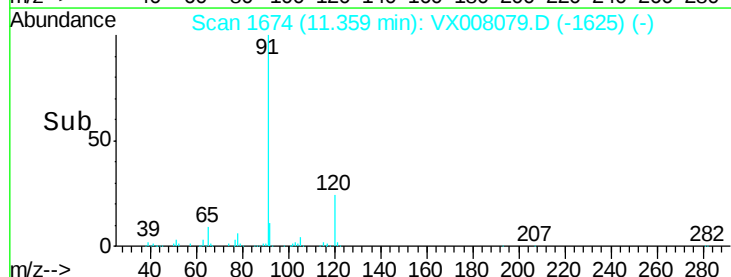
91 100

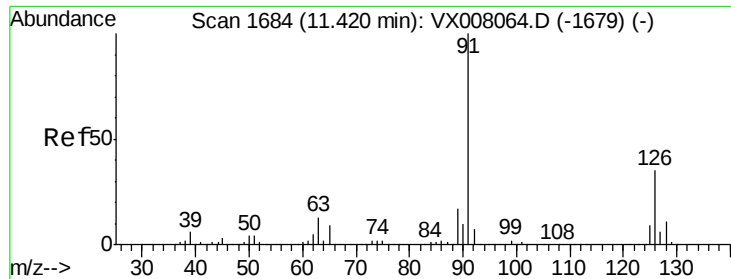
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

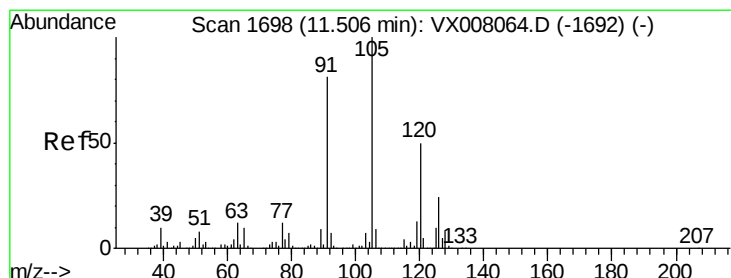
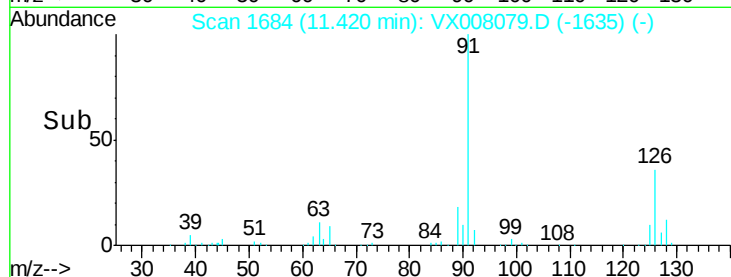
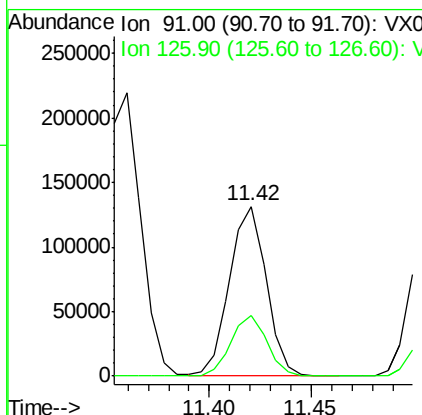
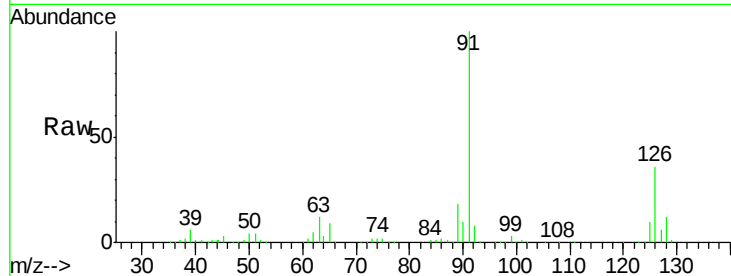




#79
 2-Chlorotoluene
 Concen: 19.788 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

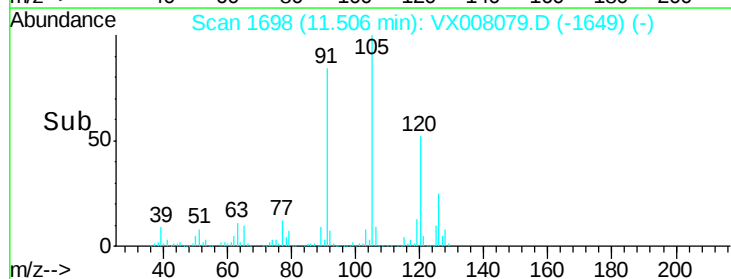
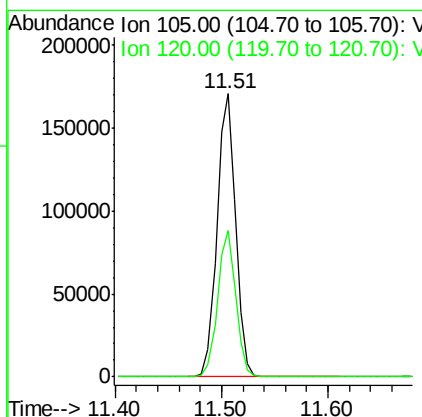
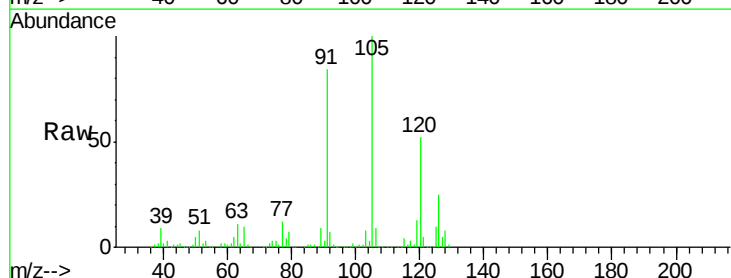
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

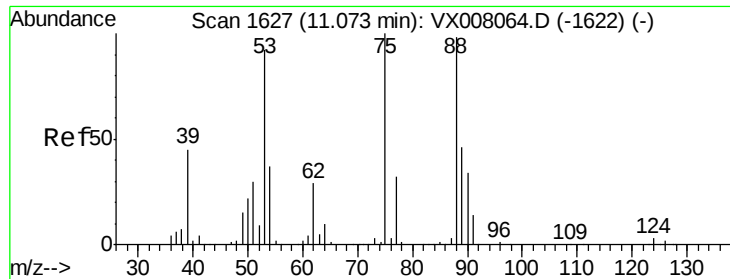
Tot Ion: 91 Resp: 163580
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.272 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion: 105 Resp: 206099
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.814 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

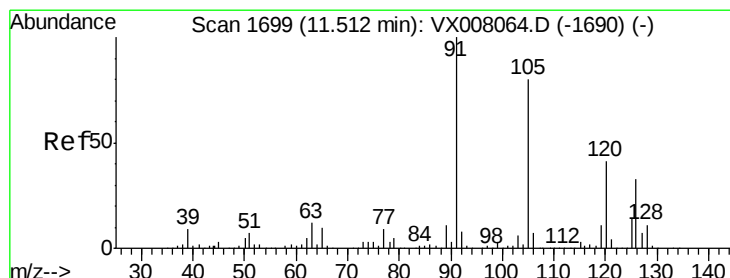
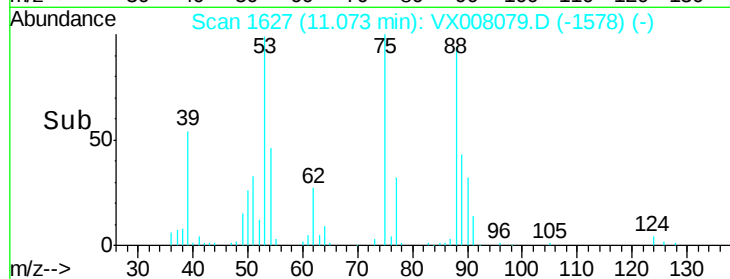
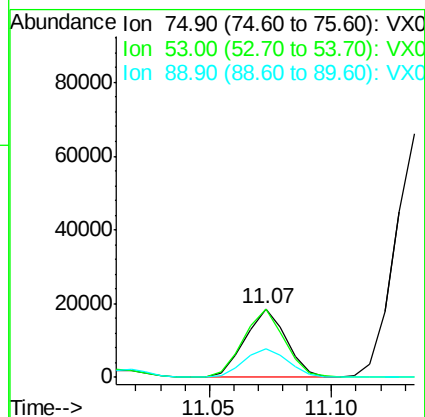
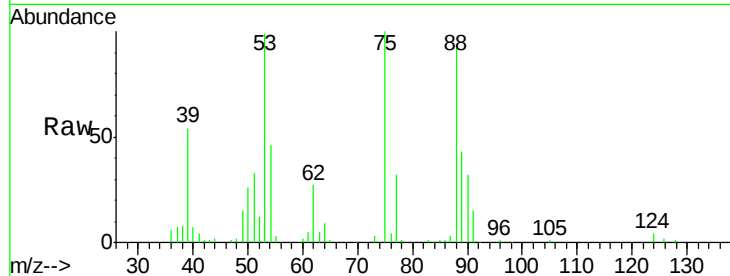
Tot Ion: 75 Resp: 22119

Ion Ratio Lower Upper

75 100

53 99.6 76.1 114.1

89 44.7 36.3 54.5



#82

4-Chlorotoluene

Concen: 19.806 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008079.D

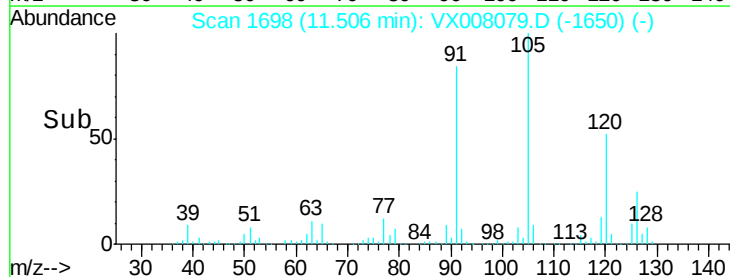
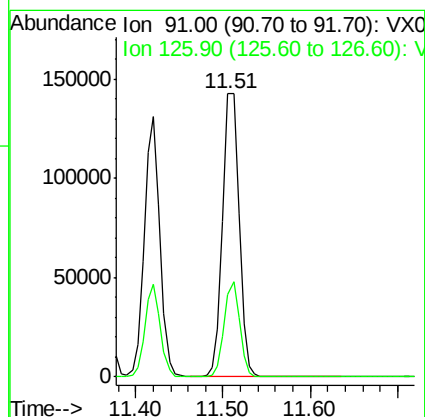
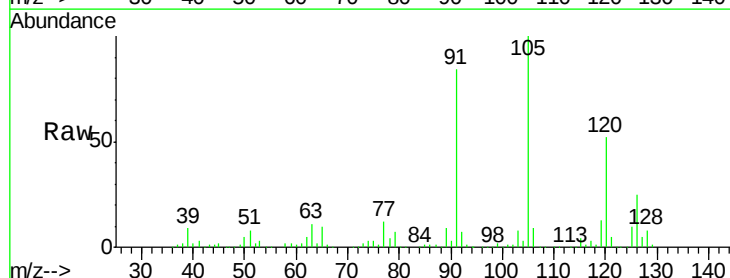
Acq: 14 Mar 2019 19:47

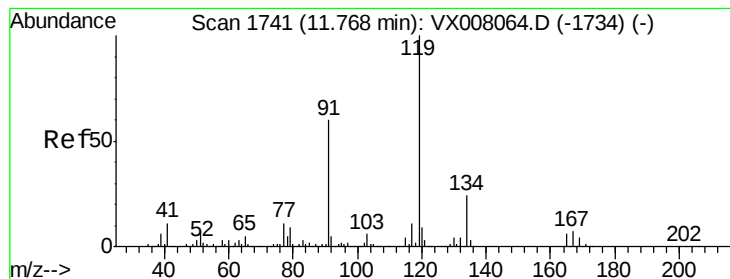
Tgt Ion: 91 Resp: 187523

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8





#83

tert-Butylbenzene

Concen: 20.080 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

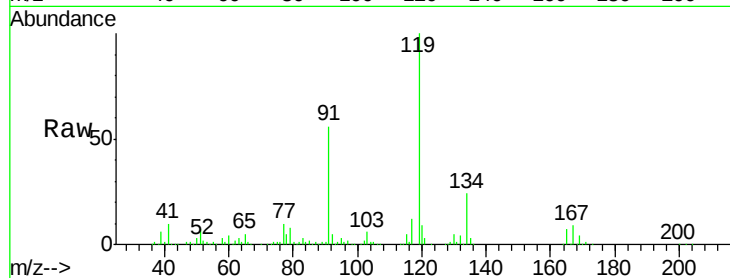
Tot Ion:119 Resp: 204575

Ion Ratio Lower Upper

119 100

91 54.7 27.1 81.3

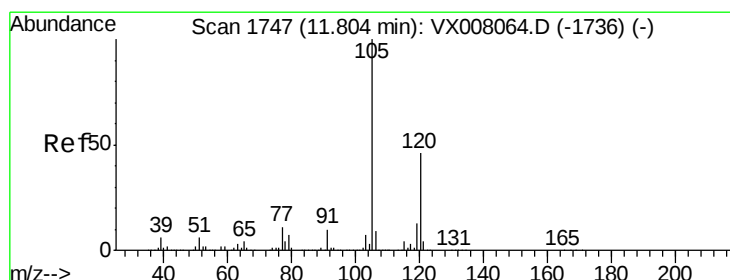
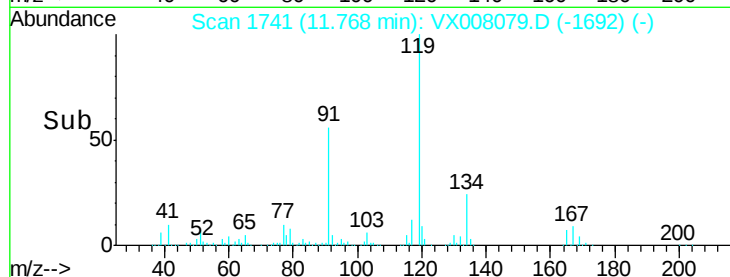
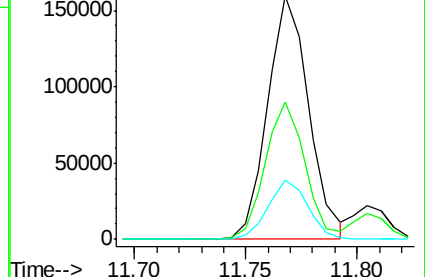
134 23.6 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.179 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008079.D

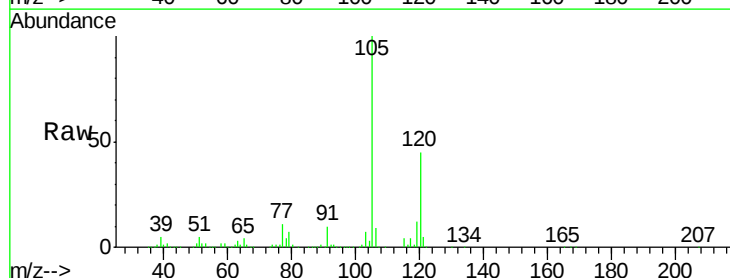
Acq: 14 Mar 2019 19:47

Tgt Ion:105 Resp: 211617

Ion Ratio Lower Upper

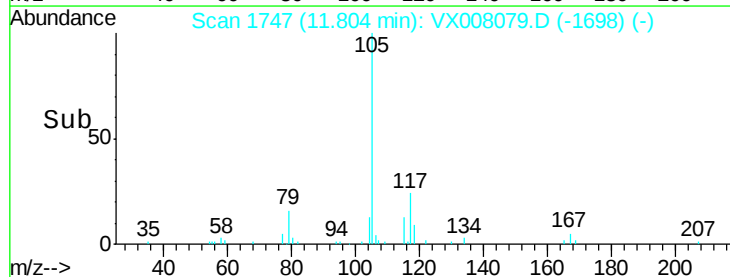
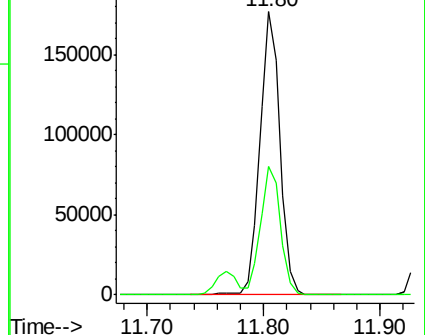
105 100

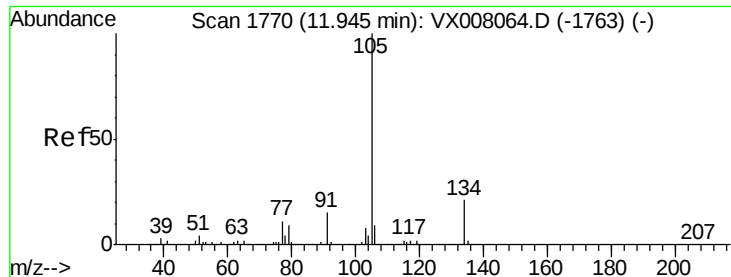
120 45.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.198 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

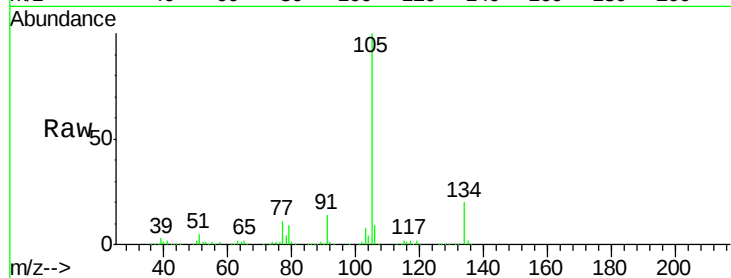
VX0314WBS02

Tot Ion:105 Resp: 245182

Ion Ratio Lower Upper

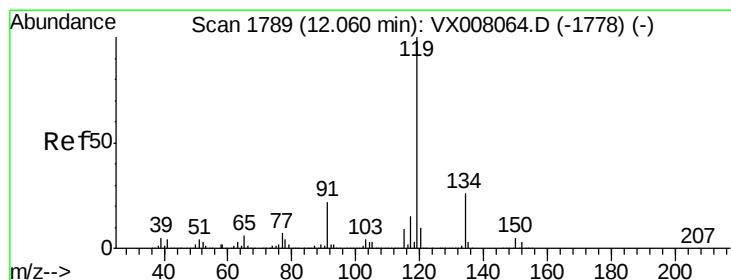
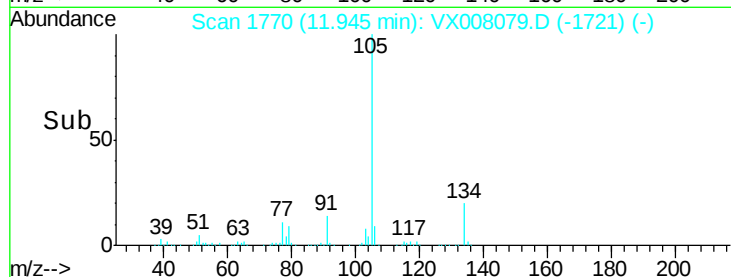
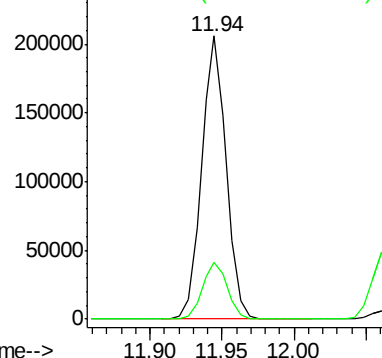
105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.124 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

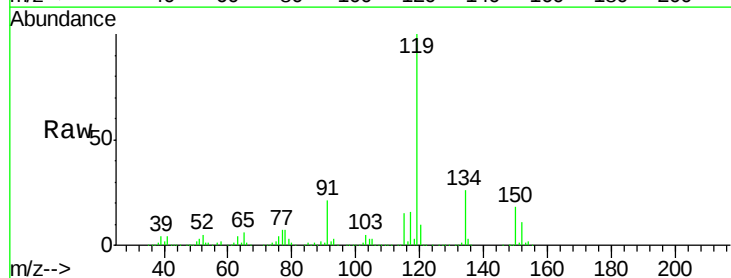
Tgt Ion:119 Resp: 220920

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

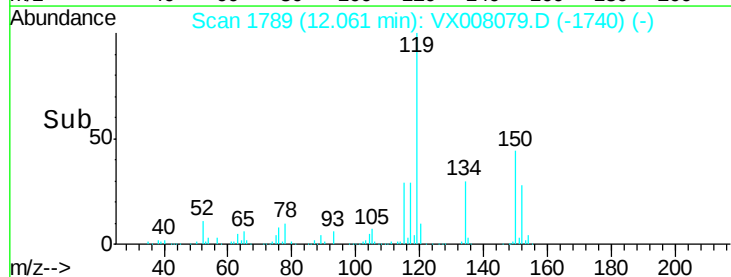
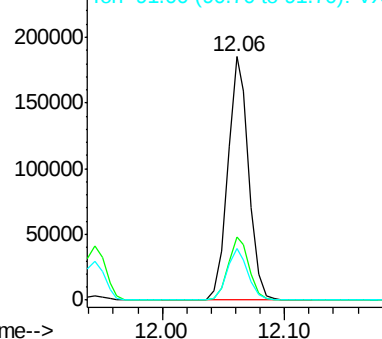
91 21.2 10.9 32.7

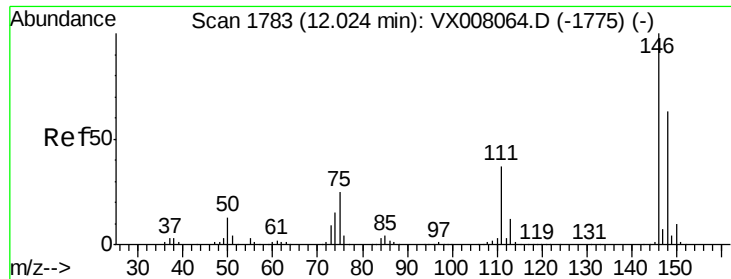


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

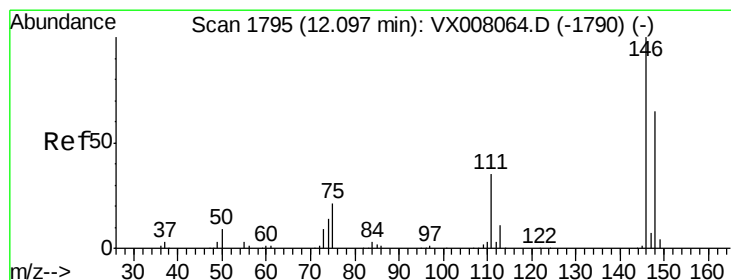
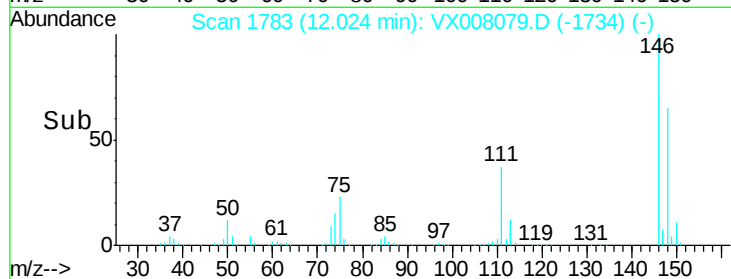
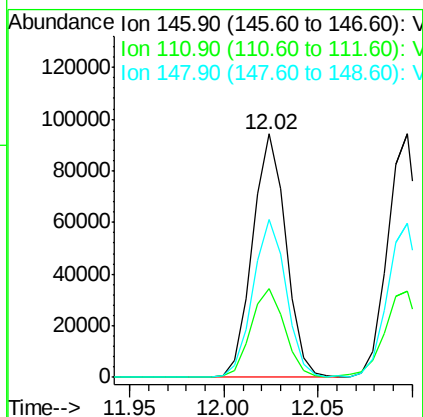
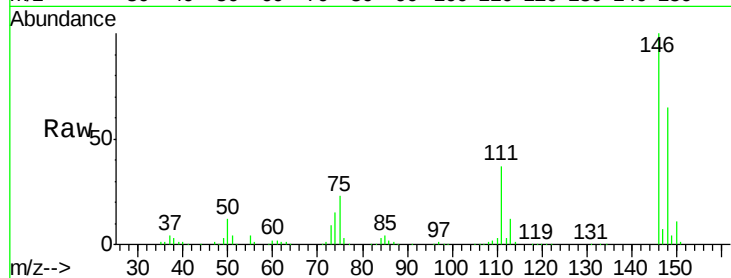




#87
 1,3-Dichlorobenzene
 Concen: 19.356 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

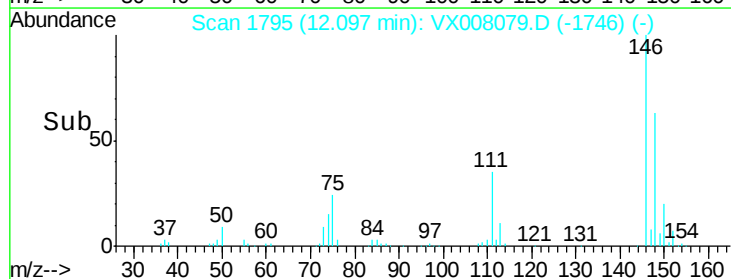
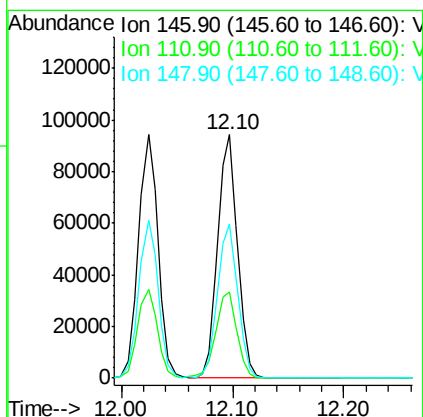
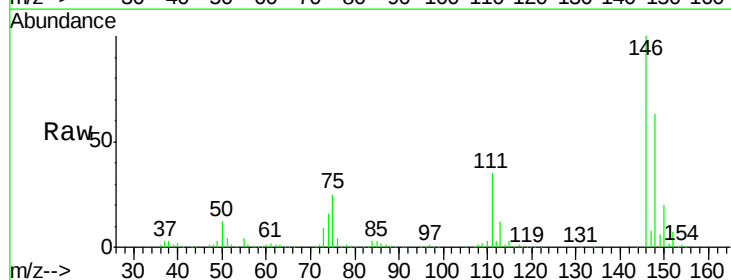
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

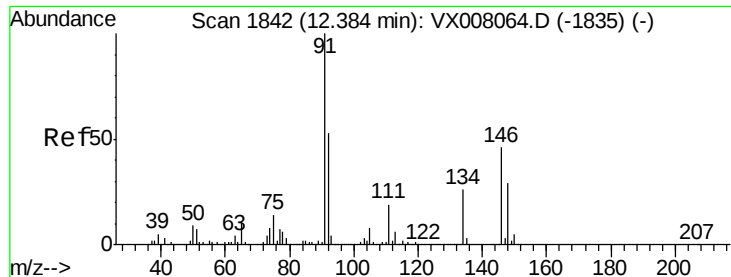
Tot Ion:146 Resp: 116008
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.9 56.7
 148 64.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.137 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion:146 Resp: 116466
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.0
 148 64.8 32.2 96.6

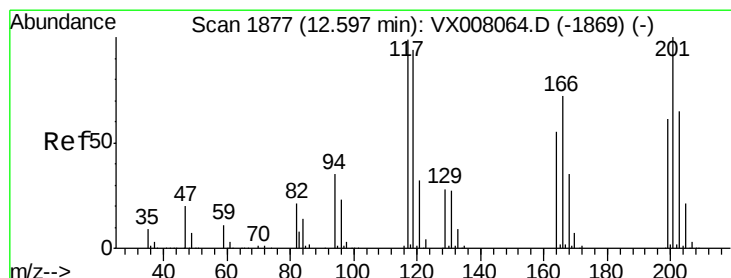
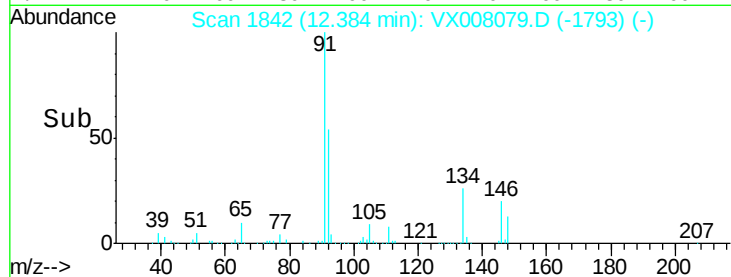
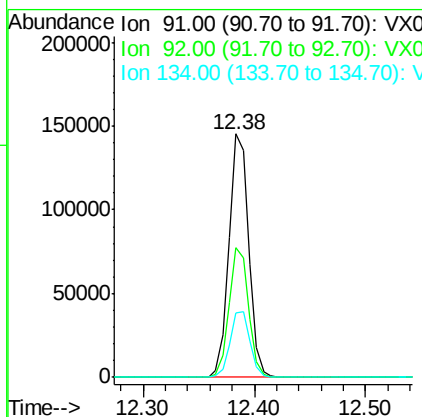
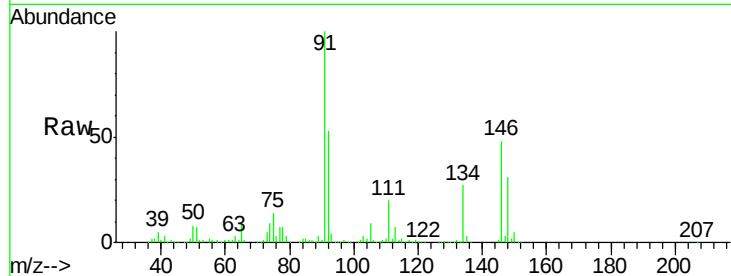




#89
n-Butylbenzene
Concen: 19.285 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

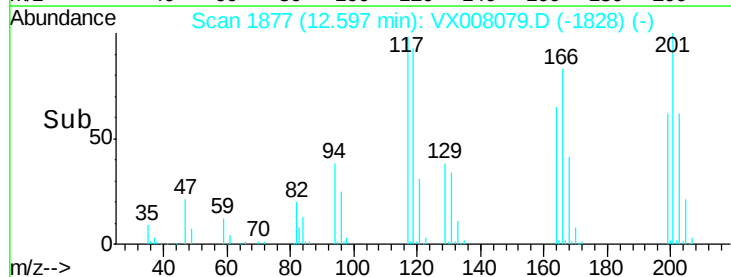
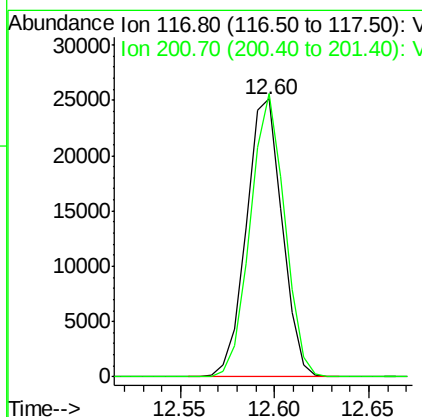
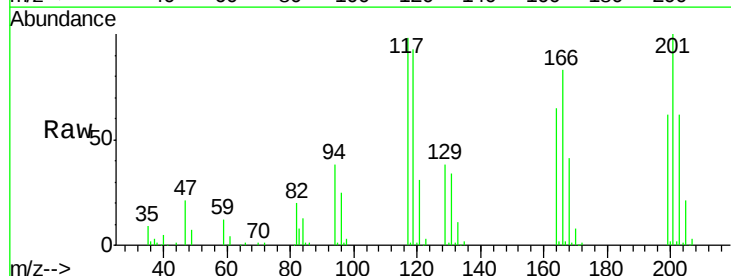
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBS02

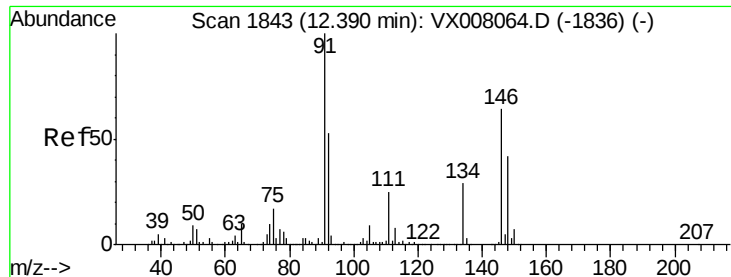
Tot Ion: 91 Resp: 177155
Ion Ratio Lower Upper
91 100
92 52.8 27.0 80.8
134 27.4 13.7 41.0



#90
Hexachloroethane
Concen: 18.877 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008079.D
Acq: 14 Mar 2019 19:47

Tgt Ion: 117 Resp: 33166
Ion Ratio Lower Upper
117 100
201 97.1 48.9 146.7

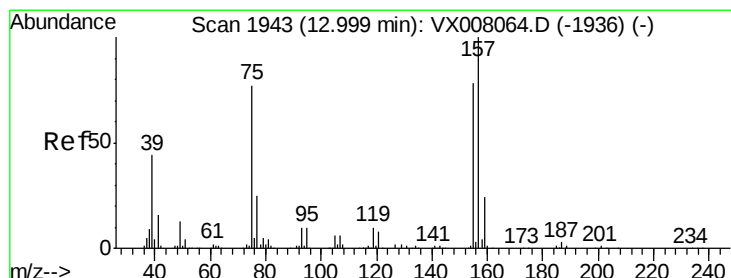
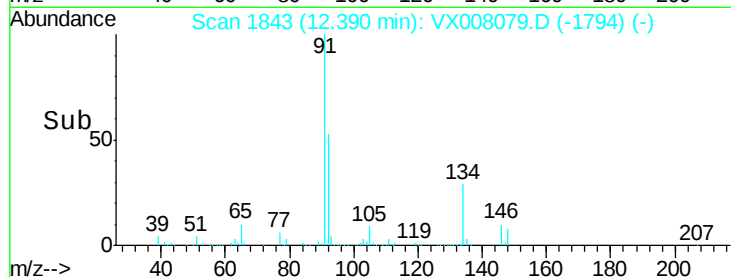
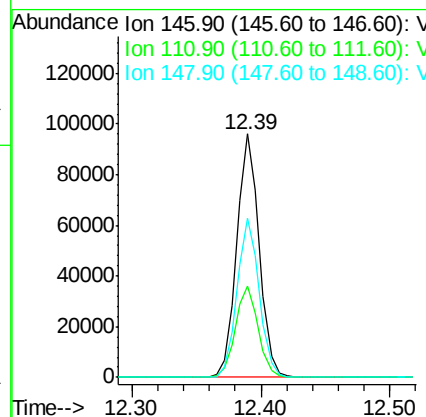
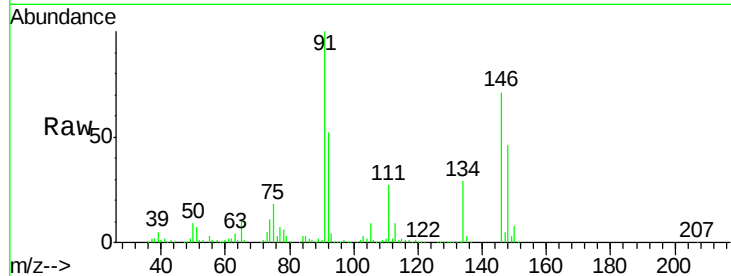




#91
 1,2-Dichlorobenzene
 Concen: 19.663 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

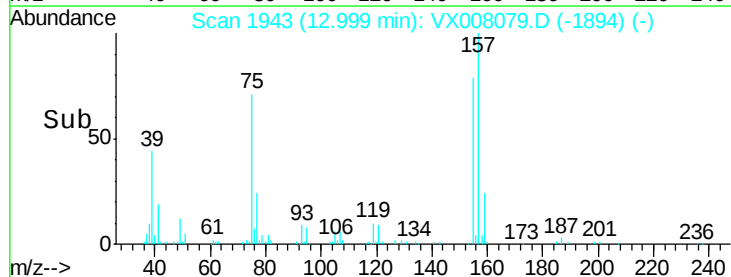
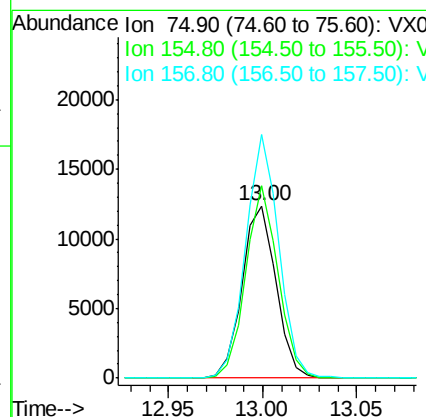
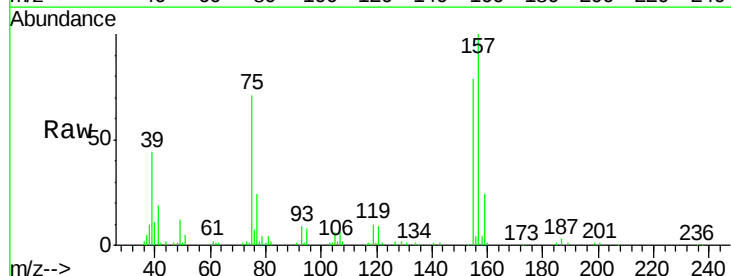
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

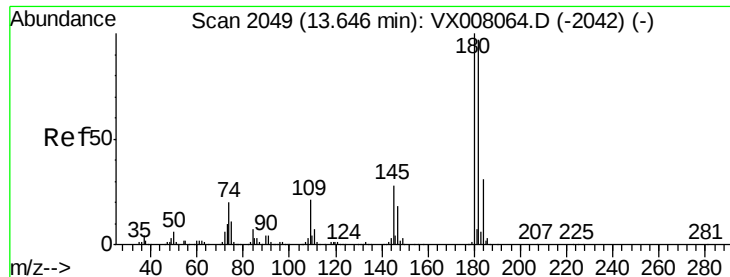
Tot Ion:146 Resp: 116926
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.6 58.8
 148 64.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.865 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion: 75 Resp: 15419
 Ion Ratio Lower Upper
 75 100
 155 106.2 49.7 149.1
 157 137.8 63.8 191.4

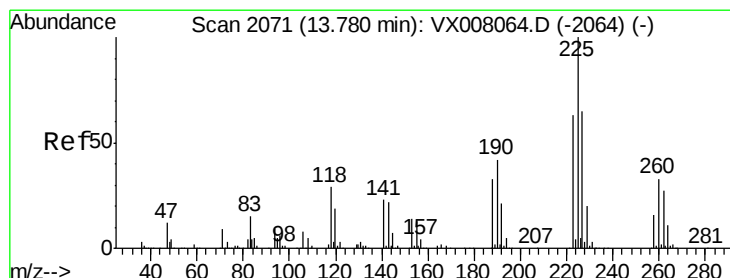
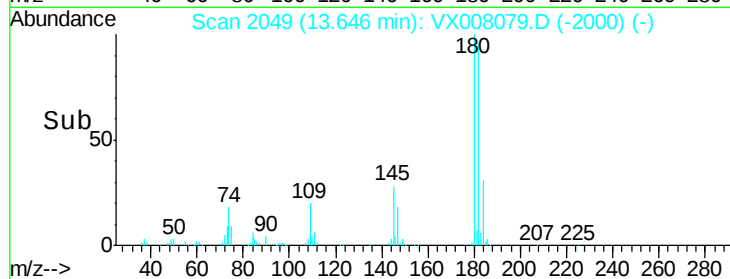
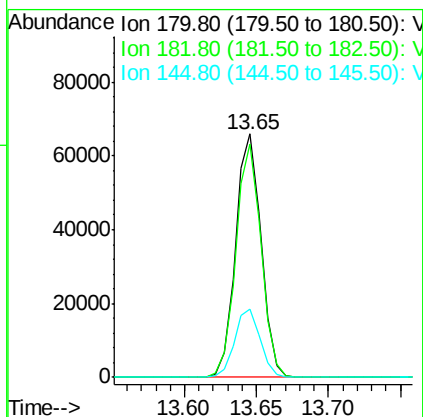
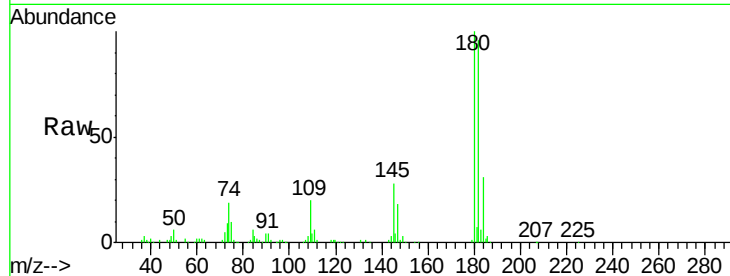




#93
 1,2,4-Trichlorobenzene
 Concen: 19.290 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

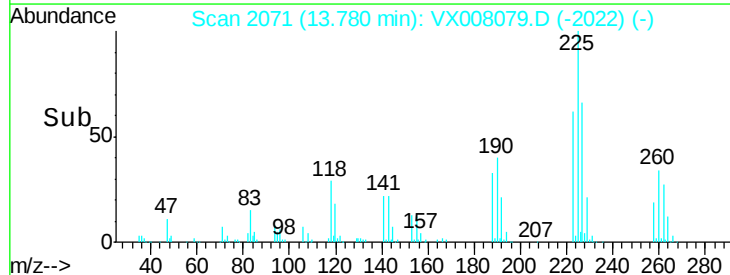
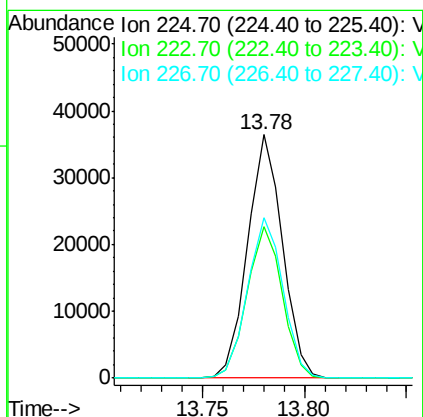
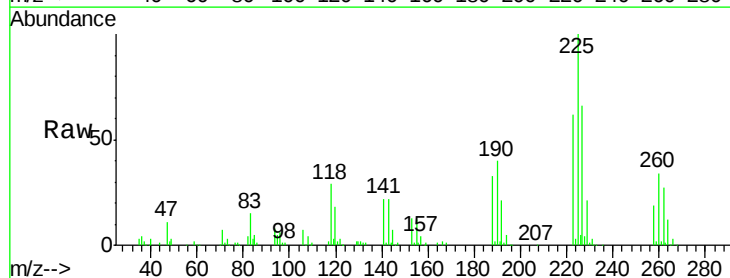
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS02

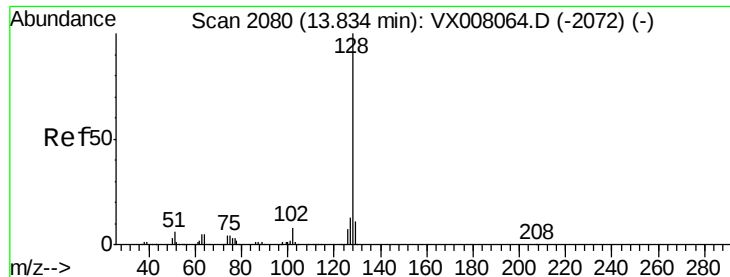
Tot Ion:180 Resp: 81255
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.7
 145 28.2 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.922 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008079.D
 Acq: 14 Mar 2019 19:47

Tgt Ion:225 Resp: 43303
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.2
 227 66.8 32.0 96.0





#95

Naphthalene

Concen: 20.212 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBS02

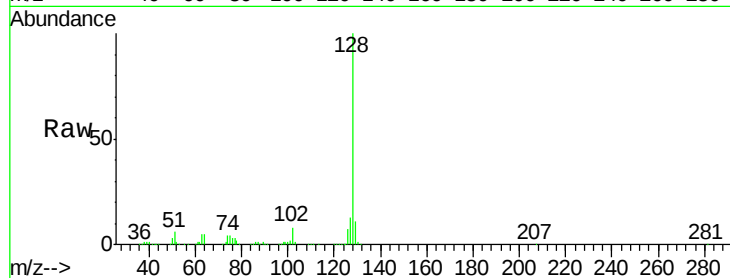
Tot Ion:128 Resp: 239390

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

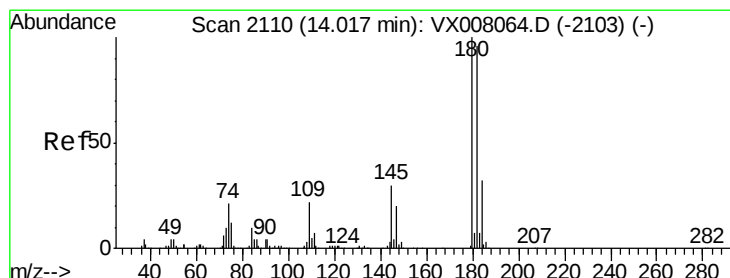
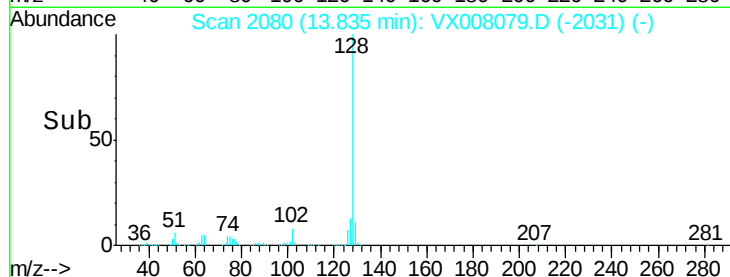
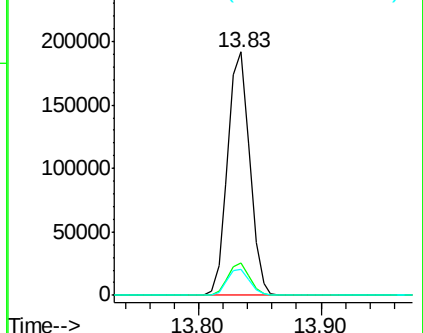
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 19.478 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008079.D

Acq: 14 Mar 2019 19:47

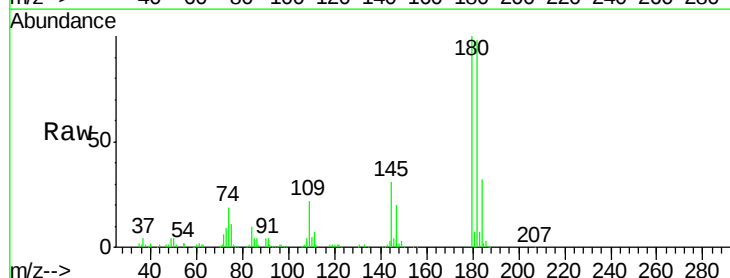
Tgt Ion:180 Resp: 80770

Ion Ratio Lower Upper

180 100

182 96.9 47.5 142.5

145 30.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

