

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009647.D
 Acq On : 17 May 2019 07:33
 Operator : JC/SP
 Sample : K2887-14MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

Quant Time: May 17 08:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	151336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	247652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115464	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	107643	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	5.50	113	80036	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	8.71	98	312871	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	118264	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	58853	42.201	ug/l	98
3) Chloromethane	1.32	50	92929	48.808	ug/l	99
4) Vinyl Chloride	1.41	62	90418	48.701	ug/l	98
5) Bromomethane	1.64	94	59155	53.084	ug/l	100
6) Chloroethane	1.72	64	57955	48.619	ug/l	96
7) Trichlorofluoromethane	1.93	101	114263	50.630	ug/l	100
8) Diethyl Ether	2.19	74	55368	51.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69134	48.782	ug/l	99
10) Methyl Iodide	2.51	142	88323	53.304	ug/l	98
11) Tert butyl alcohol	3.04	59	128740	269.213	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71653	50.461	ug/l	98
13) Acrolein	2.29	56	81253	187.616	ug/l	99
14) Allyl chloride	2.73	41	167250	48.332	ug/l	98
15) Acrylonitrile	3.14	53	312049	266.878	ug/l	99
16) Acetone	2.45	43	273062	246.153	ug/l	99
17) Carbon Disulfide	2.57	76	190169	47.701	ug/l	98
18) Methyl Acetate	2.78	43	124865	47.330	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	290781	52.734	ug/l	99
20) Methylene Chloride	2.85	84	88846	49.465	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	78009	50.657	ug/l	98
22) Diisopropyl ether	3.85	45	353679	53.146	ug/l	98
23) Vinyl Acetate	3.81	43	1380054	242.172	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169528	51.639	ug/l	99
25) 2-Butanone	4.67	43	459845	266.756	ug/l	99
26) 2,2-Dichloropropane	4.59	77	68826	28.166	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	94268	51.285	ug/l	96
28) Bromochloromethane	5.02	49	62651	47.257	ug/l	97
29) Tetrahydrofuran	5.13	42	304302	274.322	ug/l	98
30) Chloroform	5.21	83	158567	53.404	ug/l	99
31) Cyclohexane	5.58	56	153692	50.319	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	127787	51.699	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115075	50.001	ug/l	100
37) Ethyl Acetate	4.83	43	156225	48.719	ug/l	99
38) Carbon Tetrachloride	5.79	117	108825	52.044	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134727	47.667	ug/l	98
40) Benzene	6.14	78	360553	50.621	ug/l	100
41) Methacrylonitrile	5.04	41	98964	51.846	ug/l	99
42) 1,2-Dichloroethane	6.19	62	133648	52.308	ug/l	99
43) Isopropyl Acetate	6.45	43	261054	50.896	ug/l	99
44) Trichloroethene	7.21	130	85758	49.804	ug/l	95
45) 1,2-Dichloropropane	7.51	63	103813	51.473	ug/l	98
46) Dibromomethane	7.66	93	59605	50.893	ug/l	98
47) Bromodichloromethane	7.90	83	122412	52.397	ug/l	99
48) Methyl methacrylate	7.77	41	138689	54.501	ug/l	98
49) 1,4-Dioxane	7.74	88	50965	987.575	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	923551	275.479	ug/l	99
52) Toluene	8.79	92	221812	51.231	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129216	48.990	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	140716	48.199	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	92940	52.616	ug/l	96
56) Ethyl methacrylate	9.18	69	169006	53.600	ug/l	99
57) 1,3-Dichloropropane	9.37	76	162288	52.210	ug/l	100
59) 2-Hexanone	9.49	43	717799	272.613	ug/l	99
60) Dibromochloromethane	9.58	129	92363	53.538	ug/l	100
61) 1,2-Dibromoethane	9.67	107	92906	52.105	ug/l	100
64) Tetrachloroethene	9.34	164	84470	53.656	ug/l	98
65) Chlorobenzene	10.14	112	230178	50.136	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	85741	51.513	ug/l	99
67) Ethyl Benzene	10.25	91	428825	50.752	ug/l	100
68) m/p-Xylenes	10.36	106	311957	101.033	ug/l	98
69) o-Xylene	10.69	106	151999	49.894	ug/l	99
70) Stvrene	10.71	104	254178	48.004	ug/l	98
71) Bromoform	10.85	173	71143	52.596	ug/l #	99
73) Isopropylbenzene	11.02	105	409449	48.765	ug/l	99
74) N-amyl acetate	10.90	43	230884	47.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	157477	50.311	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	176467	65.887	ug/l	80
77) Bromobenzene	11.26	156	102809	49.332	ug/l	100
78) n-propylbenzene	11.36	91	473461	49.375	ug/l	100
79) 2-Chlorotoluene	11.42	91	284343	48.063	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	350099	49.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43858	41.898	ug/l	98
82) 4-Chlorotoluene	11.51	91	327416	48.990	ug/l	100
83) tert-Butylbenzene	11.77	119	339879	49.419	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	351859	49.584	ug/l	99
85) sec-Butylbenzene	11.94	105	394542	48.388	ug/l	100
86) p-Isopropyltoluene	12.06	119	358917	48.964	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	182570	49.142	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183736	49.055	ug/l	100
89) n-Butylbenzene	12.38	91	321661	48.551	ug/l	100
90) Hexachloroethane	12.60	117	61087	48.916	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	186563	49.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35965	51.220	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	131101	50.664	ug/l	100

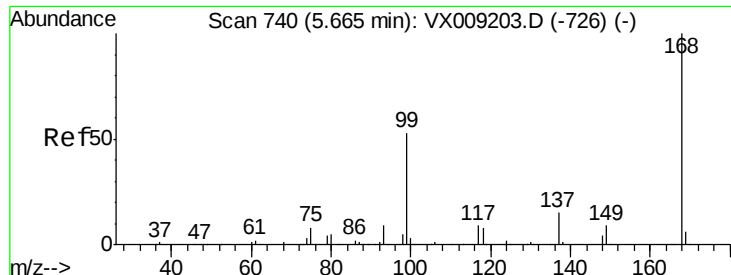
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	63987	48.423	ug/l	99
95) Naphthalene	13.83	128	428742	50.927	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133373	50.847	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

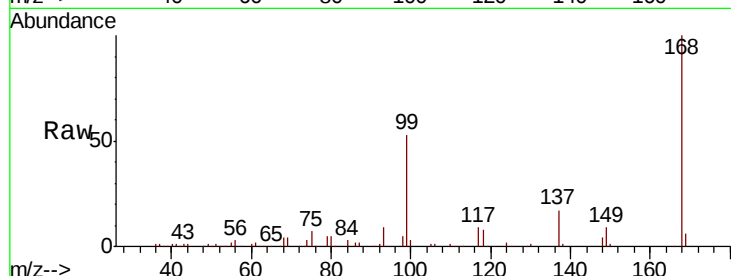
SS052MW749-190514MS

Tot Ion:168 Resp: 151336

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

20000

10000

0

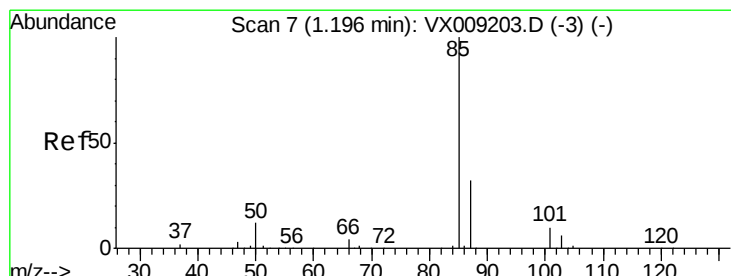
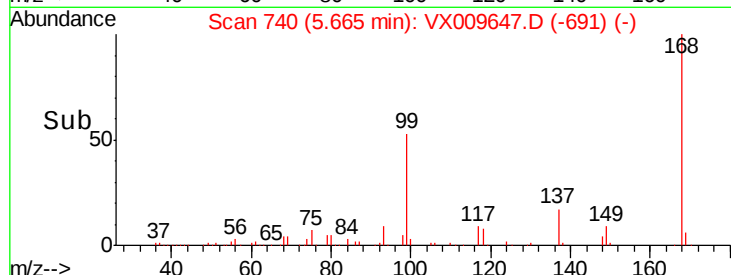
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 42.201 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009647.D

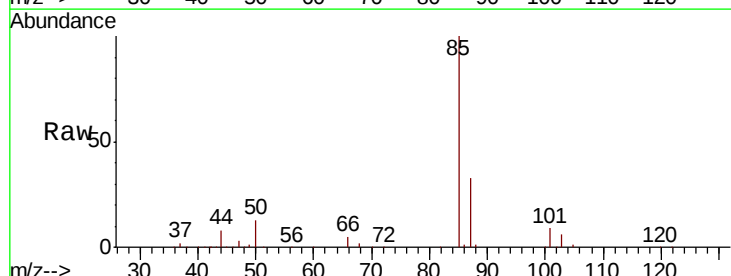
Acq: 17 May 2019 07:33

Tgt Ion: 85 Resp: 58853

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

20000

10000

0

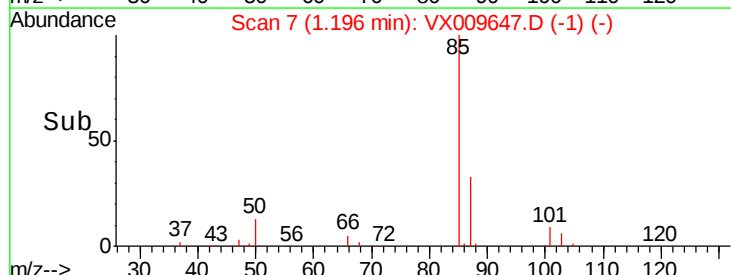
Time-->

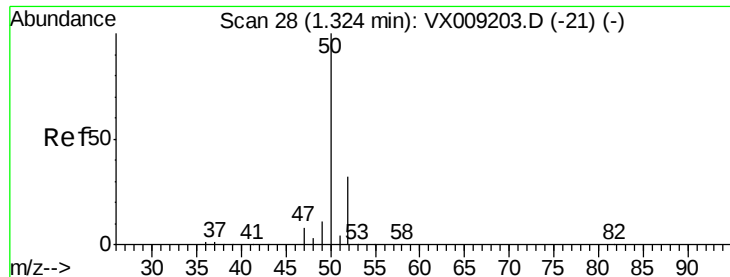
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 48.808 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

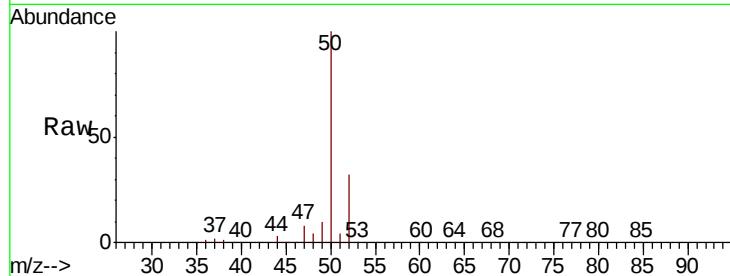
SS052MW749-190514MS

Tot Ion: 50 Resp: 92929

Ion Ratio Lower Upper

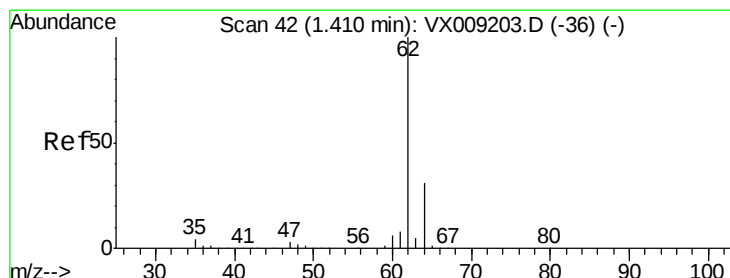
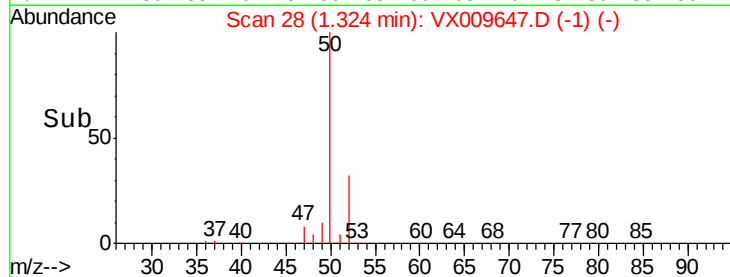
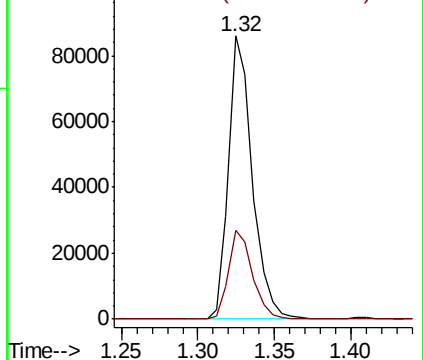
50 100

52 31.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.701 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009647.D

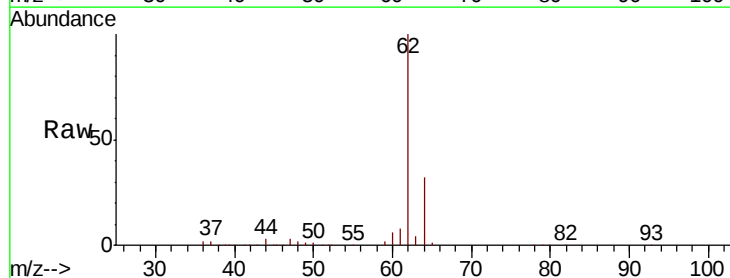
Acq: 17 May 2019 07:33

Tgt Ion: 62 Resp: 90418

Ion Ratio Lower Upper

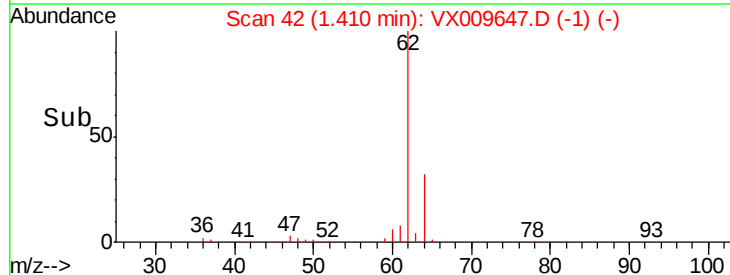
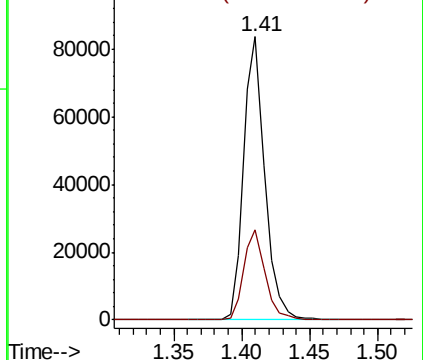
62 100

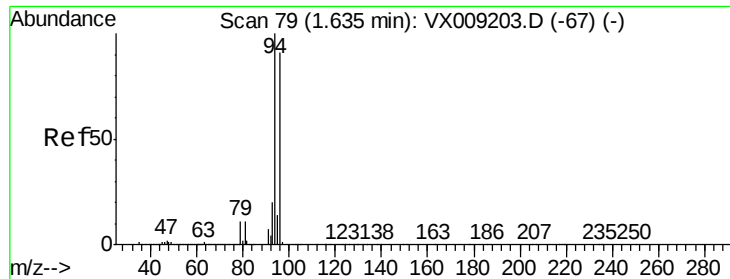
64 31.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.084 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

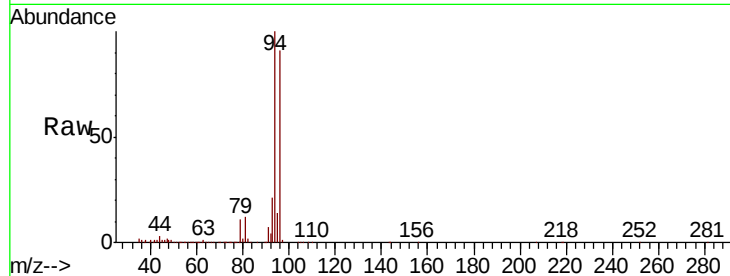
SS052MW749-190514MS

Tot Ion: 94 Resp: 59155

Ion Ratio Lower Upper

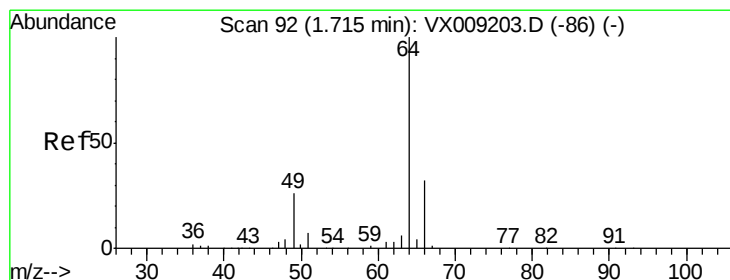
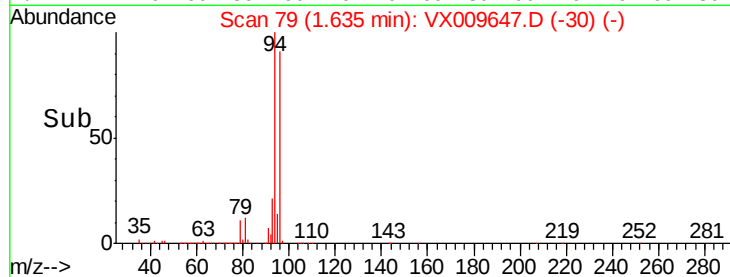
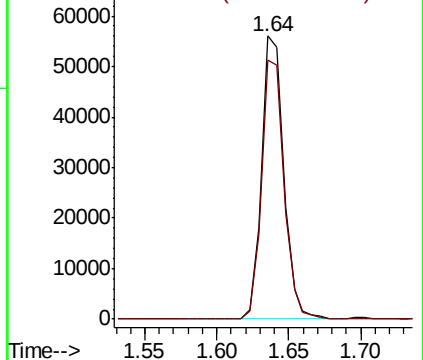
94 100

96 91.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.619 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009647.D

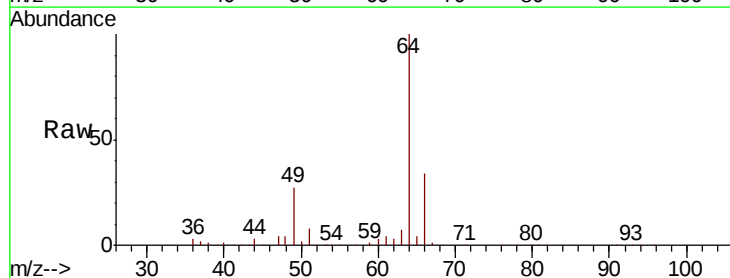
Acq: 17 May 2019 07:33

Tgt Ion: 64 Resp: 57955

Ion Ratio Lower Upper

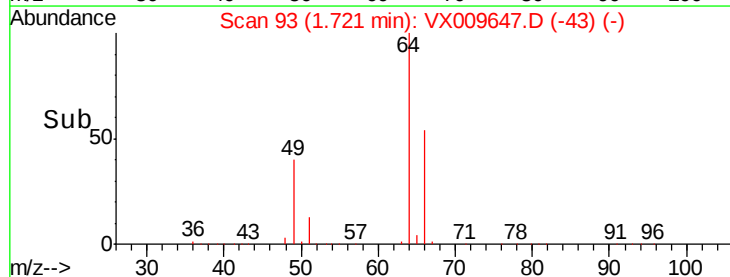
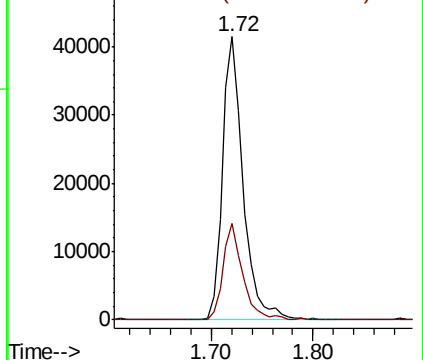
64 100

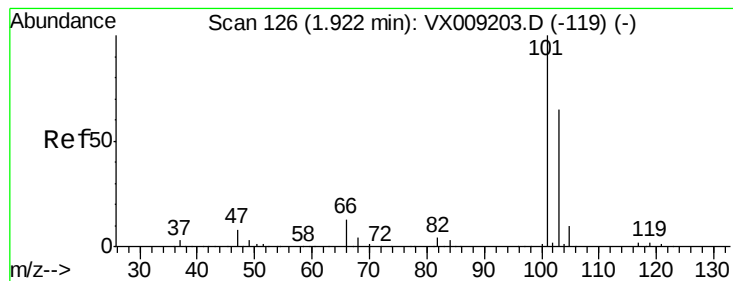
66 34.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



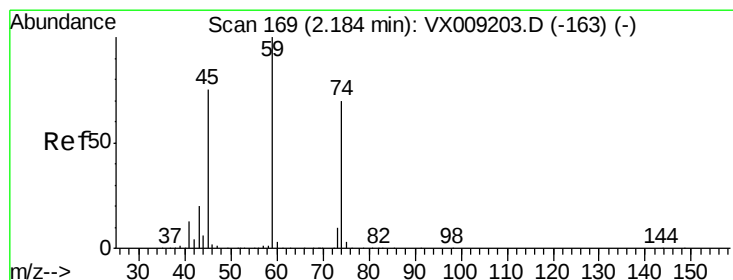
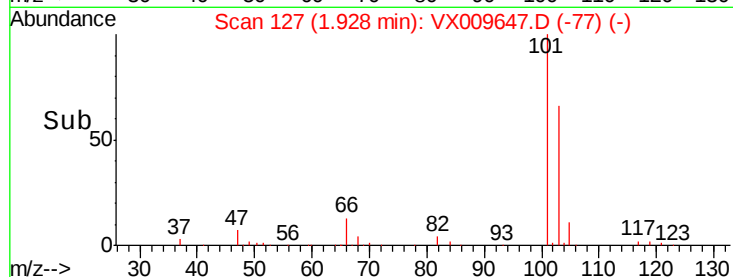
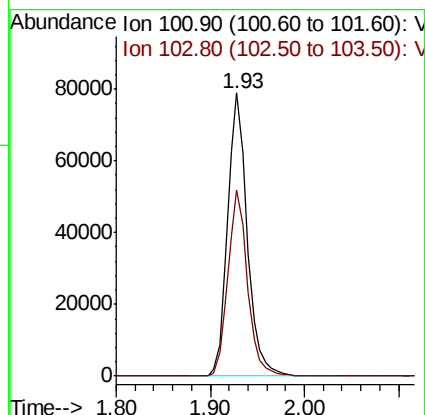
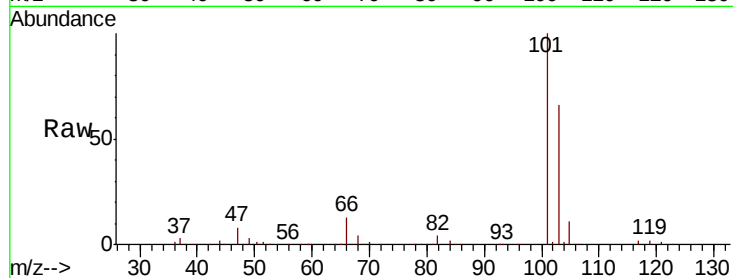


#7

Trichlorofluoromethane
 Concen: 50.630 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Instrument :
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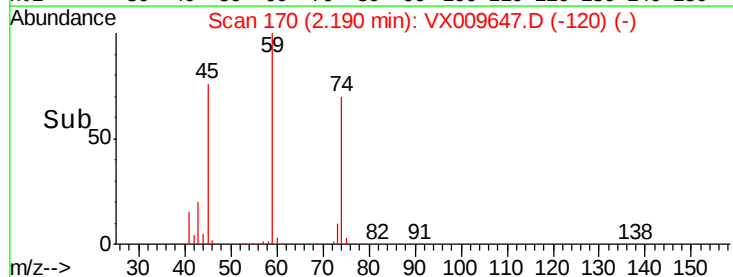
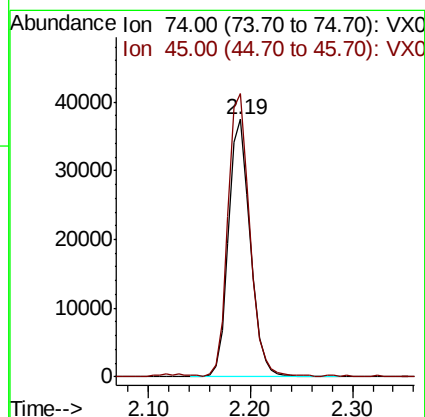
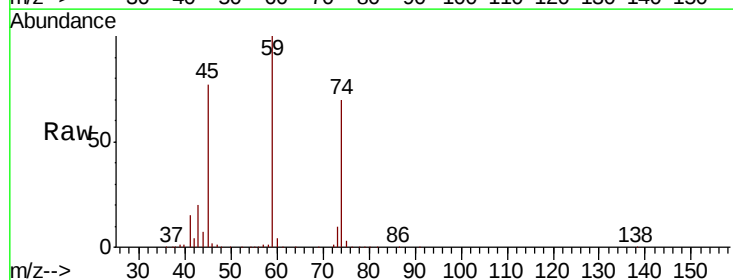
Tot Ion:101 Resp: 114263
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.4 78.6

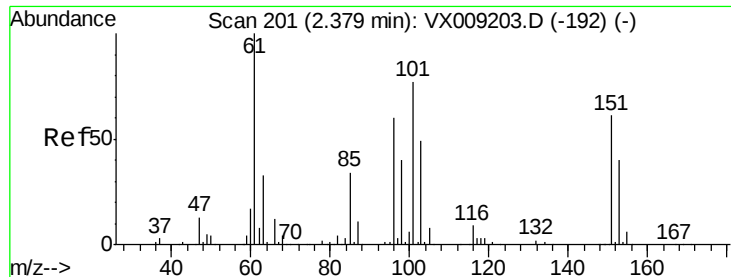


#8

Diethyl Ether
 Concen: 51.794 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion: 74 Resp: 55368
 Ion Ratio Lower Upper
 74 100
 45 109.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.782 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

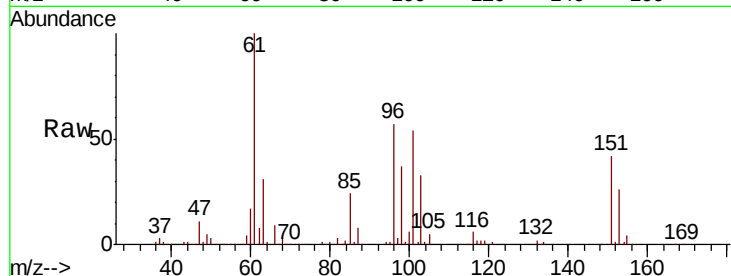
Tot Ion:101 Resp: 69134

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

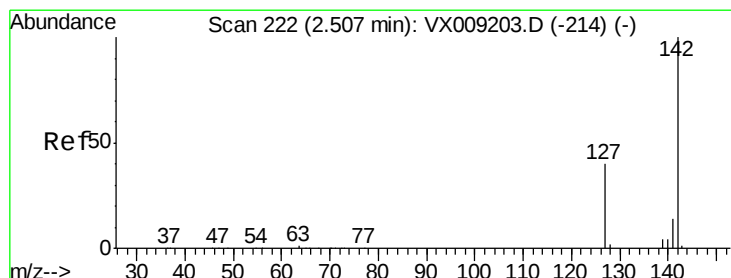
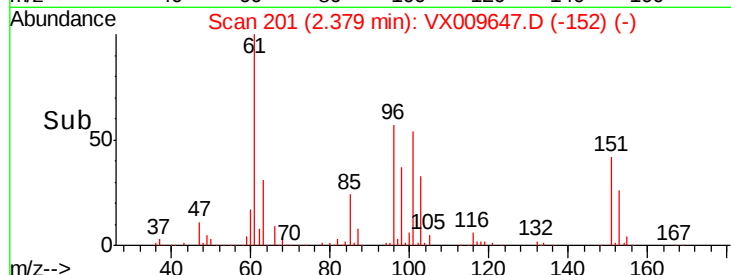
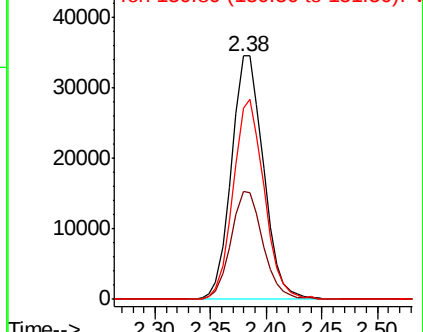
151 79.4 62.2 93.2



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: 53.304 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

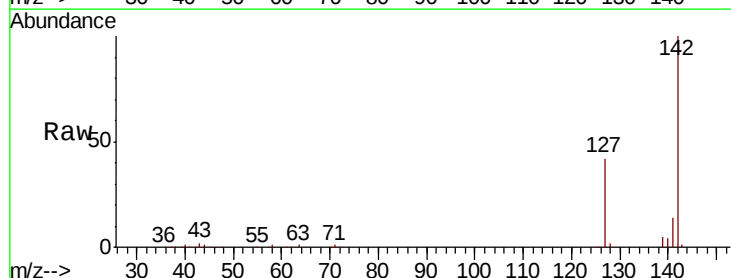
Tgt Ion:142 Resp: 88323

Ion Ratio Lower Upper

142 100

127 42.4 32.7 49.1

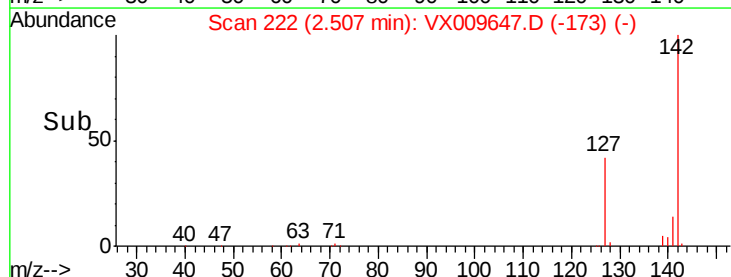
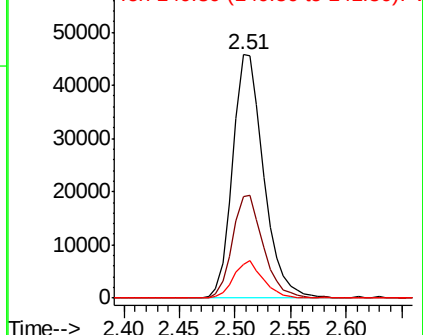
141 14.5 11.5 17.3

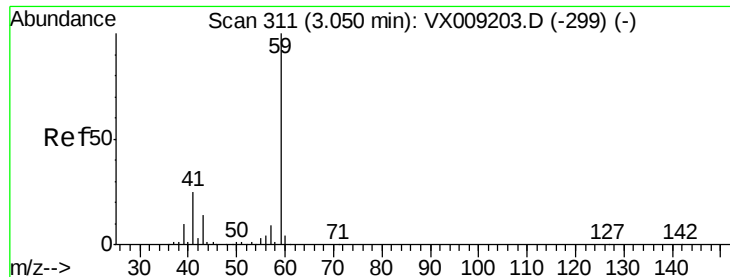


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

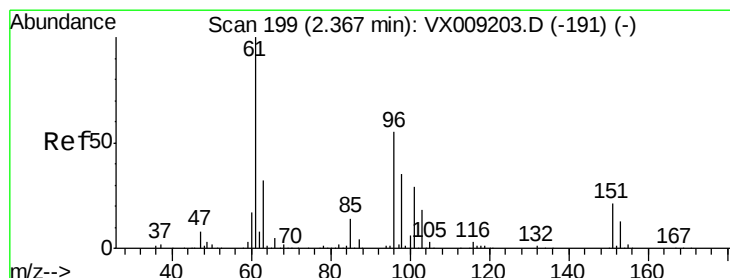
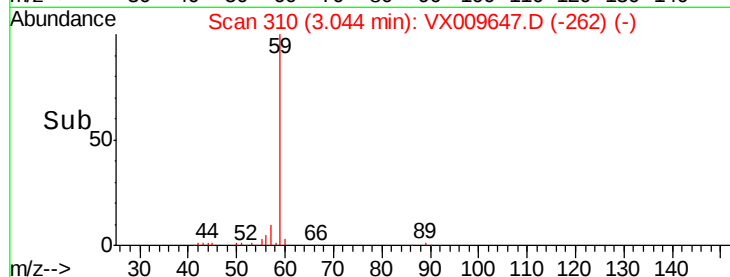
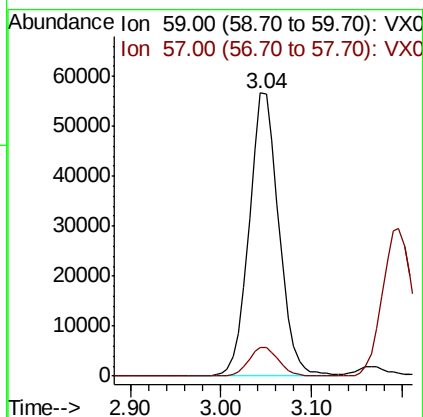
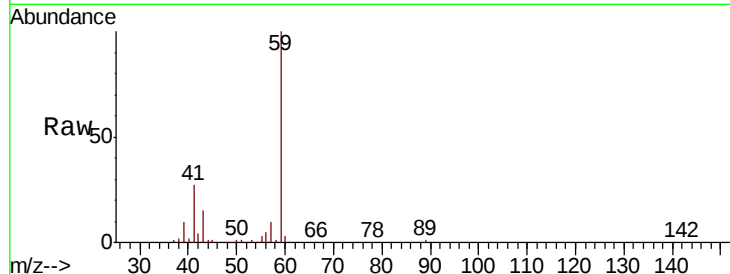




#11
Tert butyl alcohol
Concen: 269.213 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

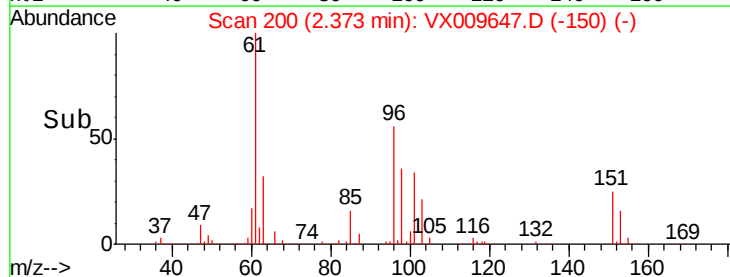
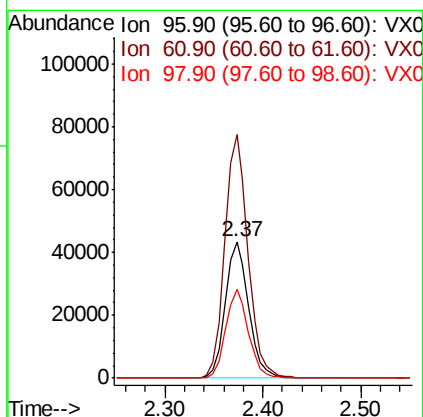
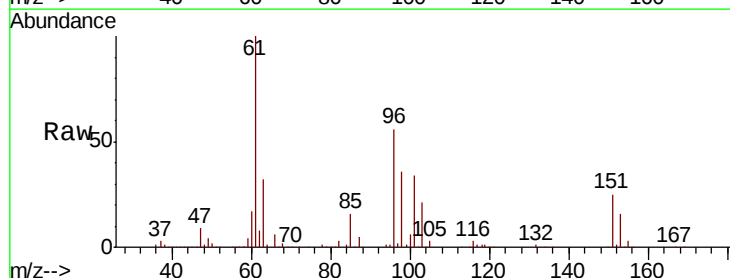
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

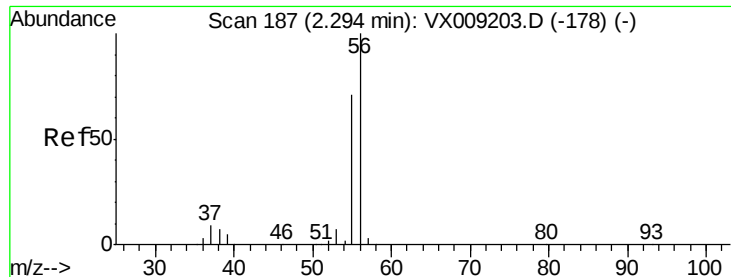
Tot Ion: 59 Resp: 128740
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.461 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 96 Resp: 71653
Ion Ratio Lower Upper
96 100
61 178.2 144.3 216.5
98 64.7 50.3 75.5

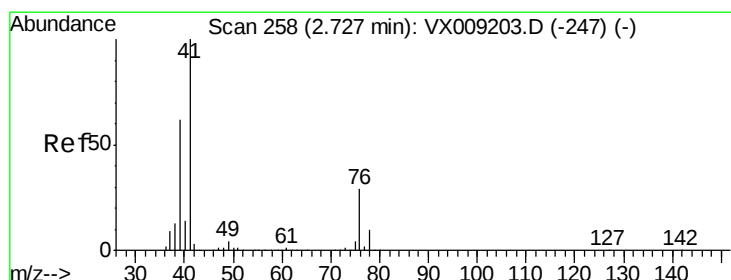
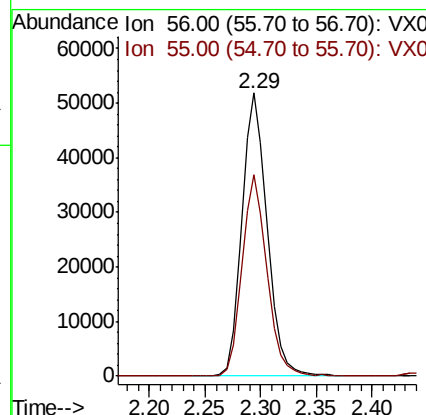
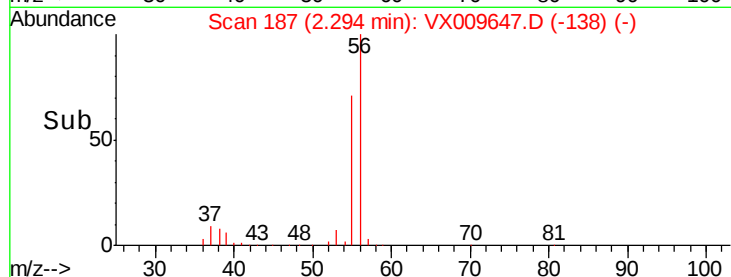
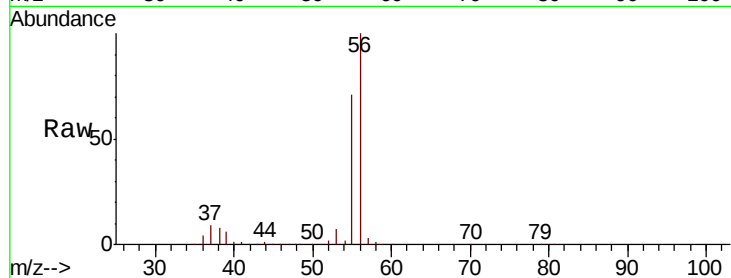




#13
Acrolein
Concen: 187.616 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

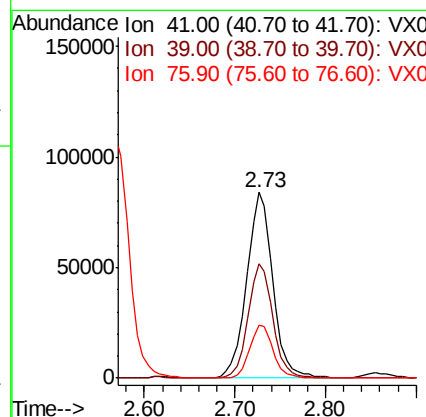
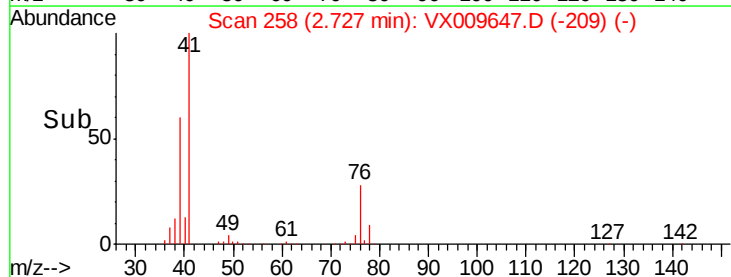
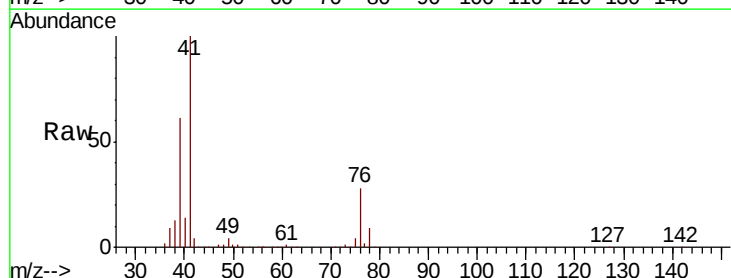
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

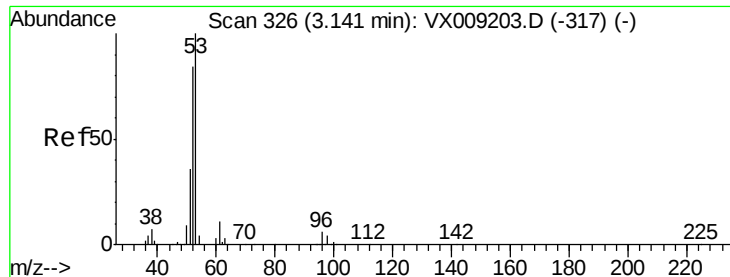
Tot Ion: 56 Resp: 81253
Ion Ratio Lower Upper
56 100
55 70.2 56.6 85.0



#14
Allyl chloride
Concen: 48.332 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 41 Resp: 167250
Ion Ratio Lower Upper
41 100
39 57.8 46.7 70.1
76 25.8 21.8 32.8





#15

Acrylonitrile

Concen: 266.878 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

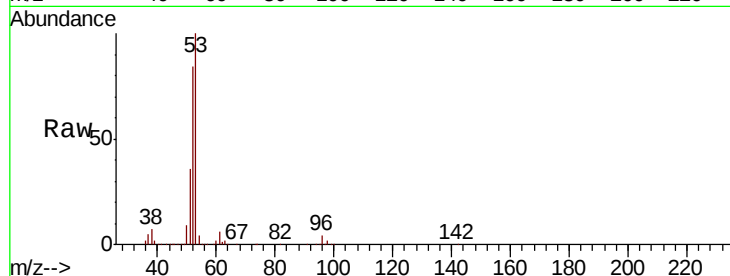
Tot Ion: 53 Resp: 312049

Ion Ratio Lower Upper

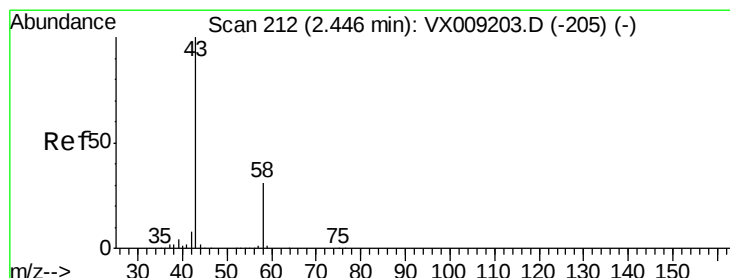
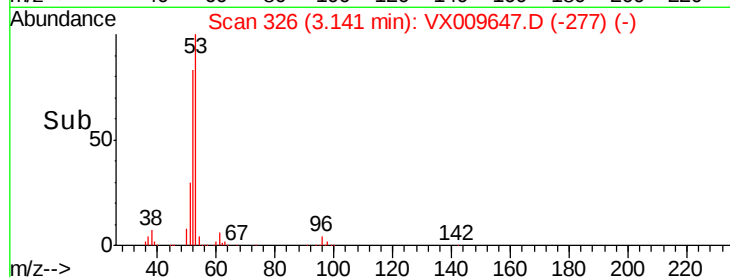
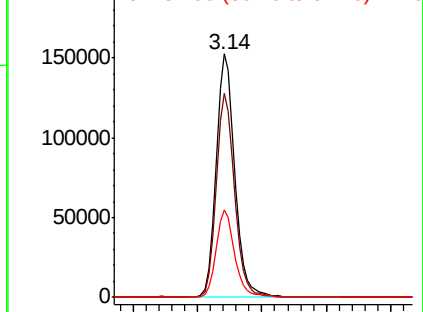
53 100

52 83.1 66.9 100.3

51 35.8 28.2 42.2



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: 246.153 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009647.D

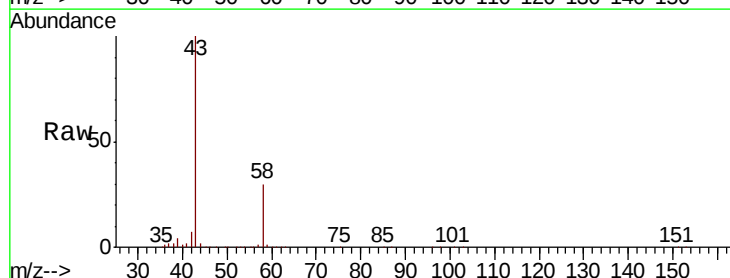
Acq: 17 May 2019 07:33

Tgt Ion: 43 Resp: 273062

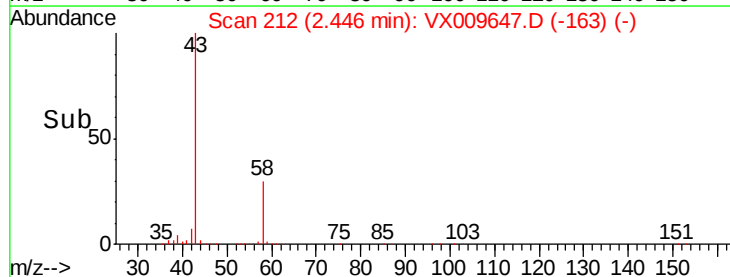
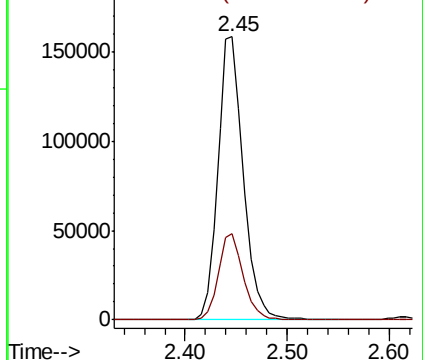
Ion Ratio Lower Upper

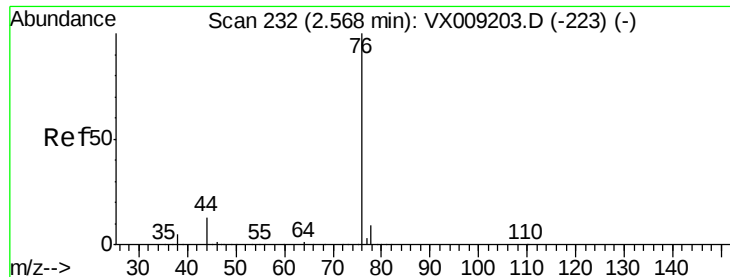
43 100

58 30.4 24.9 37.3



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

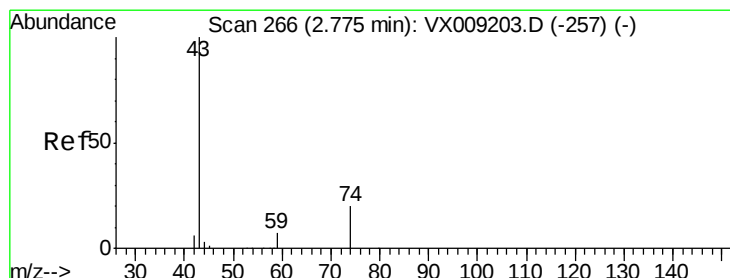
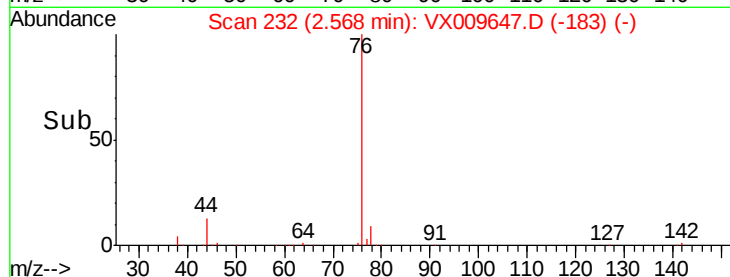
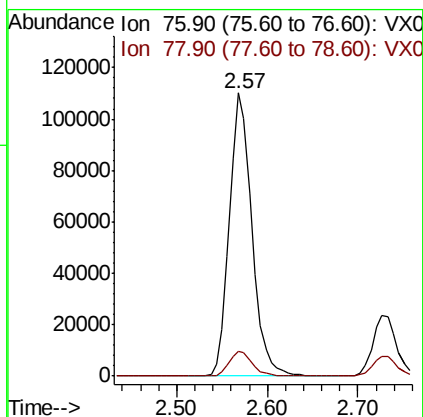
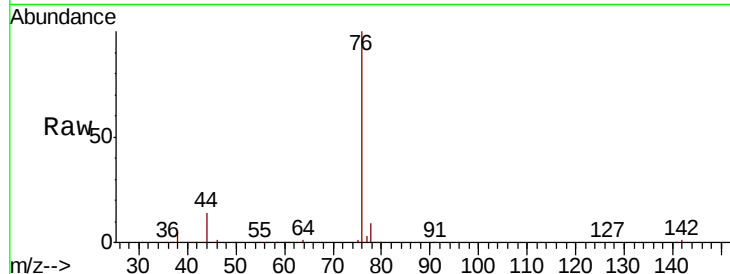




#17
Carbon Disulfide
Concen: 47.701 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

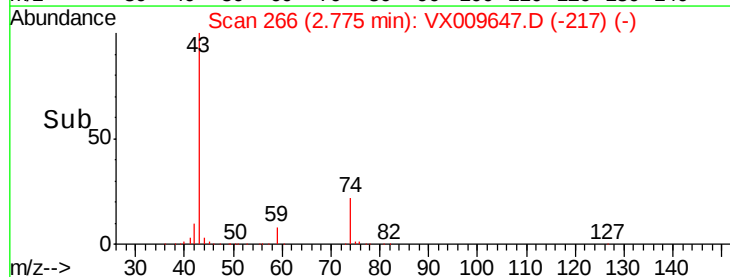
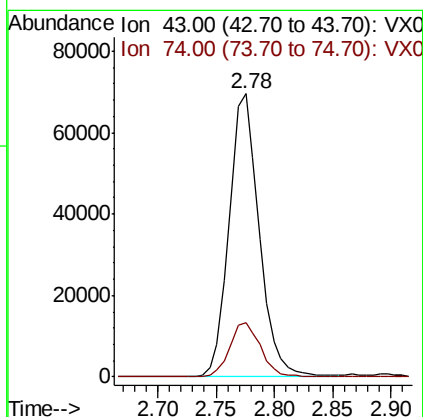
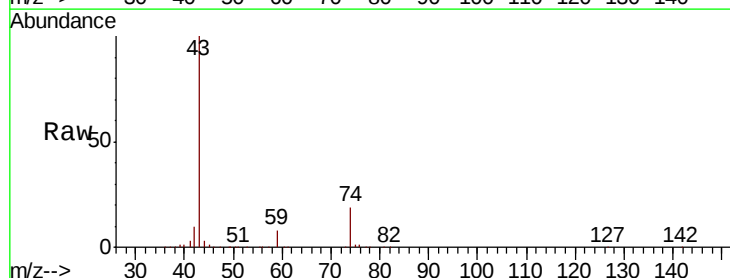
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

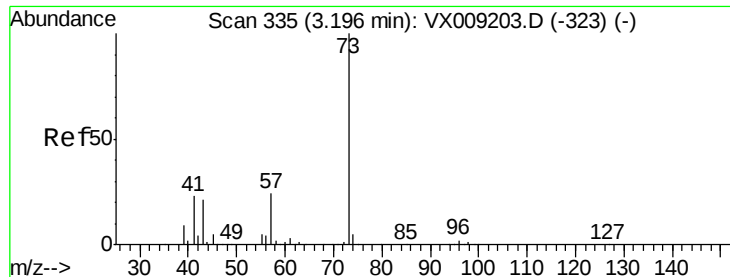
Tot Ion: 76 Resp: 190169
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 47.330 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 43 Resp: 124865
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.4



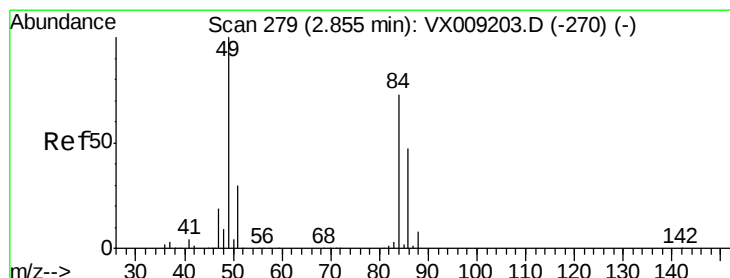
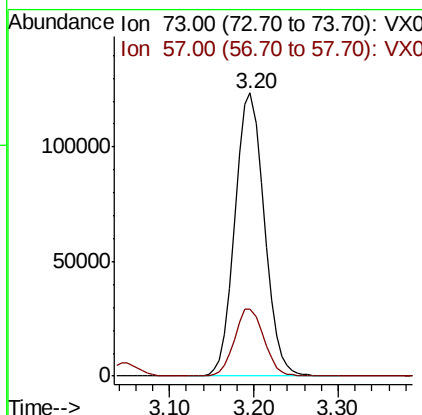
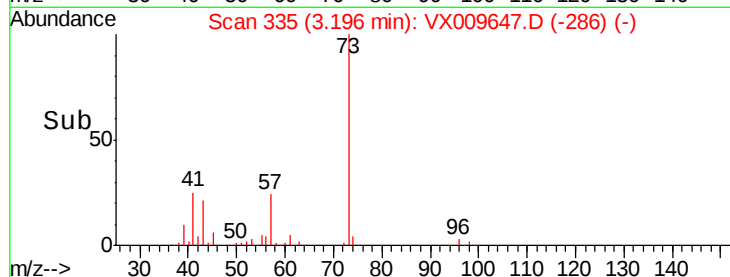
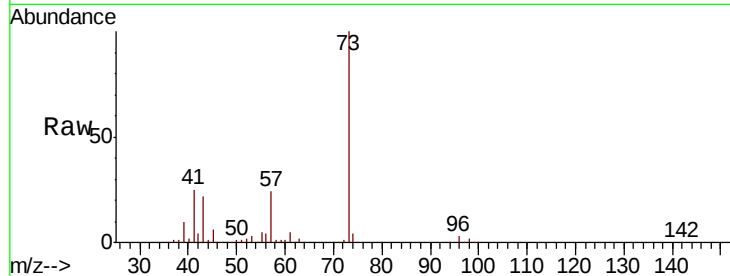


#19

Methyl tert-butyl Ether
 Concen: 52.734 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

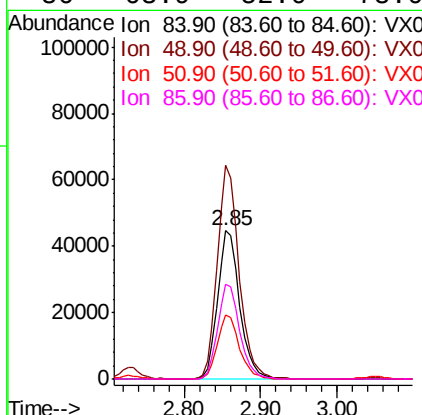
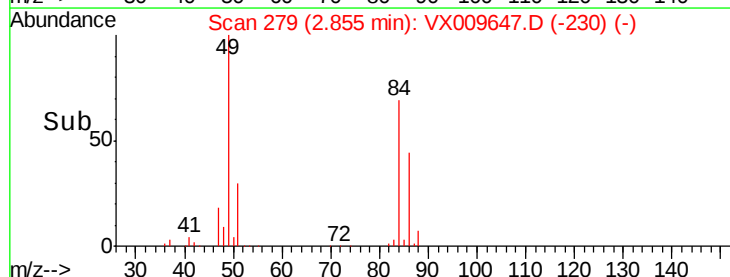
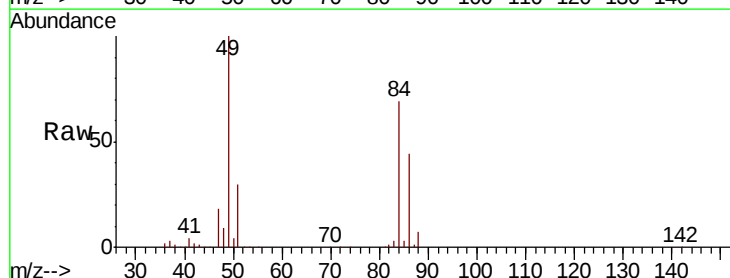
Tot Ion: 73 Resp: 290781
 Ion Ratio Lower Upper
 73 100
 57 23.8 19.3 28.9

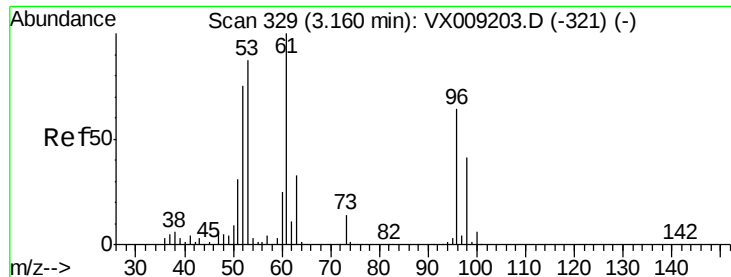


#20

Methylene Chloride
 Concen: 49.465 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion: 84 Resp: 88846
 Ion Ratio Lower Upper
 84 100
 49 144.3 109.9 164.9
 51 43.2 32.7 49.1
 86 63.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.657 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

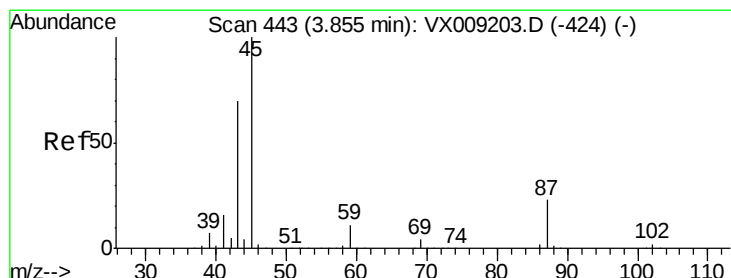
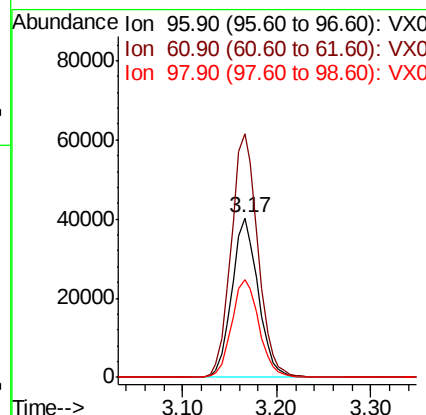
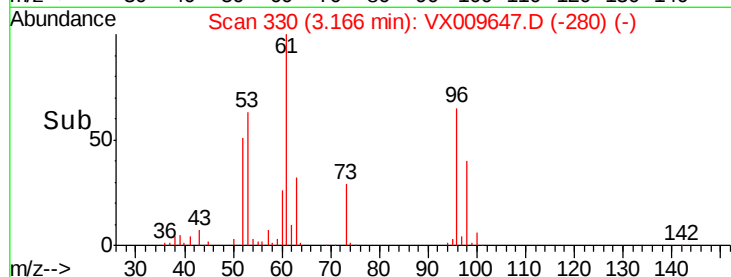
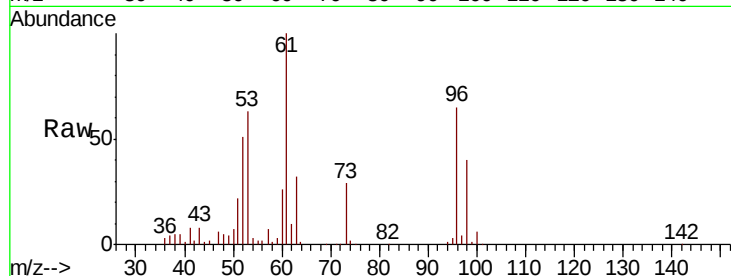
Tot Ion: 96 Resp: 78009

Ion Ratio Lower Upper

96 100

61 152.7 124.5 186.7

98 61.3 50.4 75.6



#22

Diisopropyl ether

Concen: 53.146 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Tgt Ion: 45 Resp: 353679

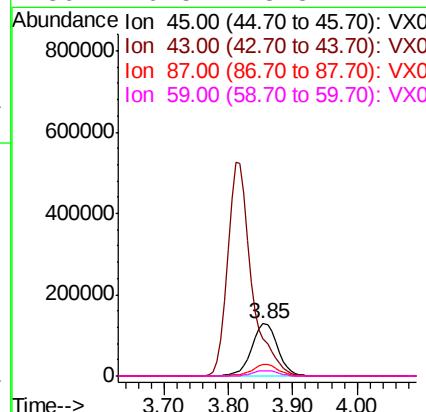
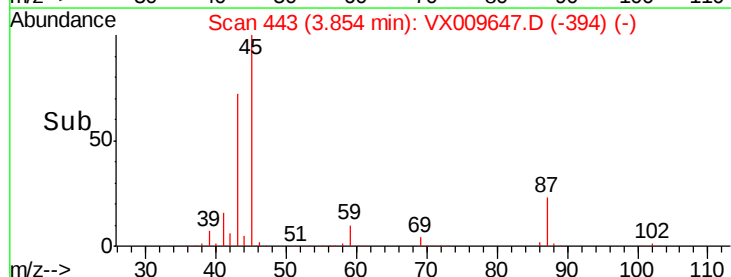
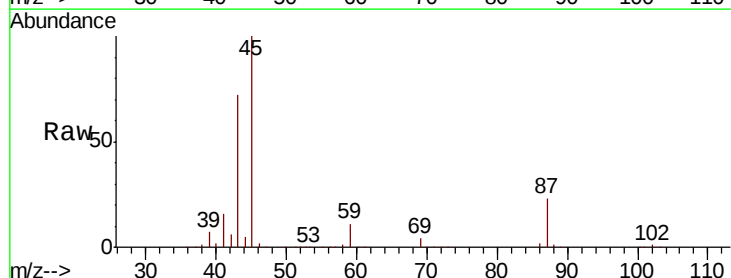
Ion Ratio Lower Upper

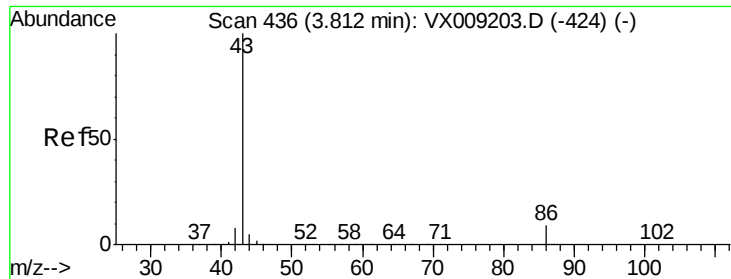
45 100

43 72.0 56.1 84.1

87 22.5 18.1 27.1

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 242.172 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

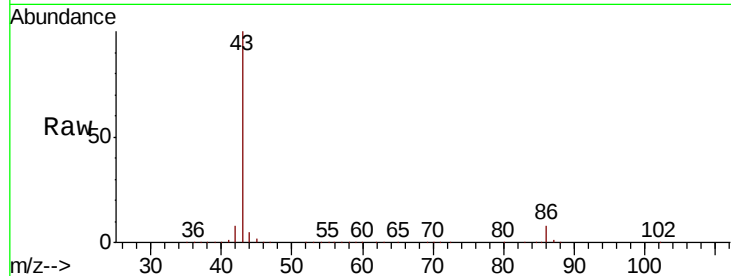
SS052MW749-190514MS

Tot Ion: 43 Resp: 1380054

Ion Ratio Lower Upper

43 100

86 8.1 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

500000

400000

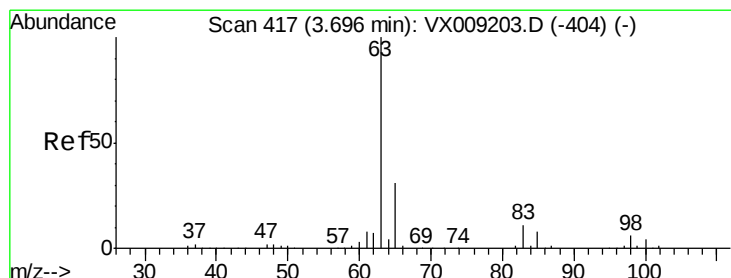
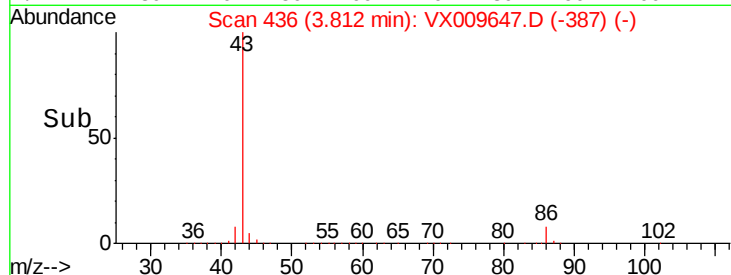
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 51.639 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

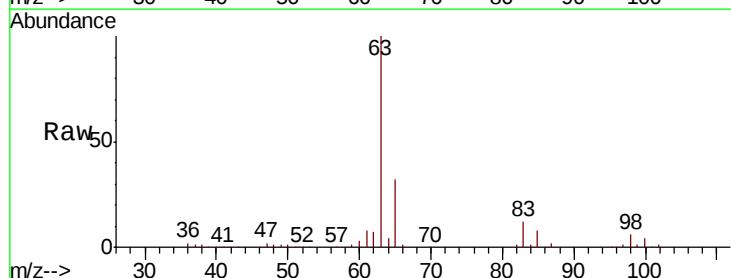
Tgt Ion: 63 Resp: 169528

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.6 2.0 6.0



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

80000

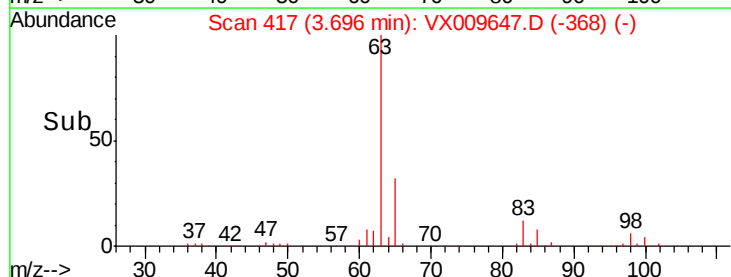
60000

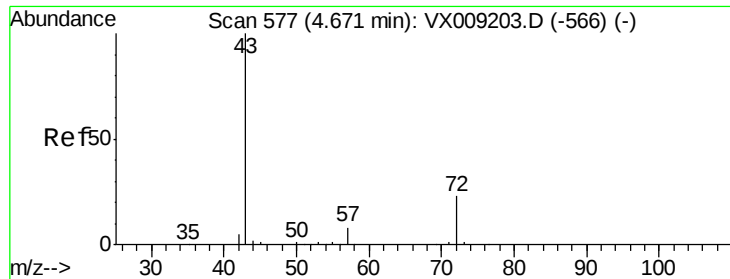
40000

20000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 266.756 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

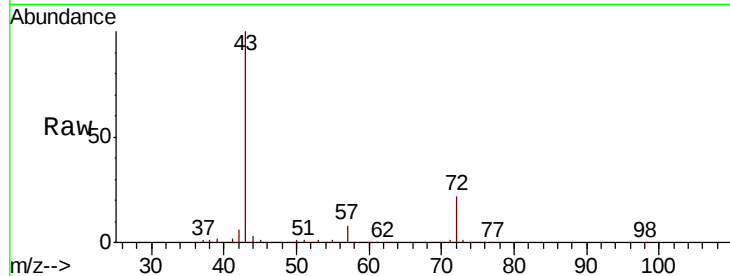
SS052MW749-190514MS

Tot Ion: 43 Resp: 459845

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

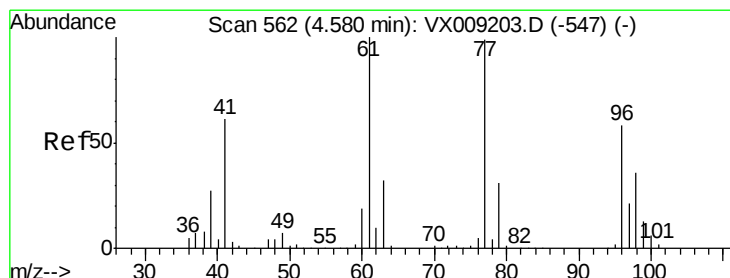
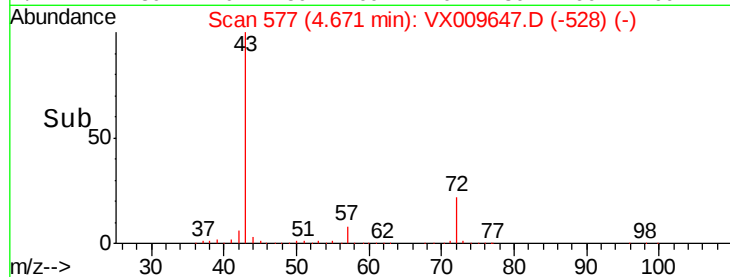
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 28.166 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009647.D

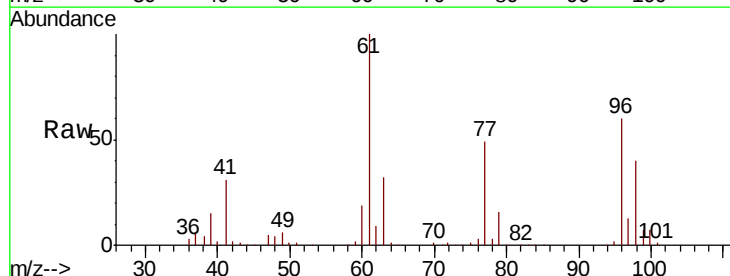
Acq: 17 May 2019 07:33

Tgt Ion: 77 Resp: 68826

Ion Ratio Lower Upper

77 100

97 25.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

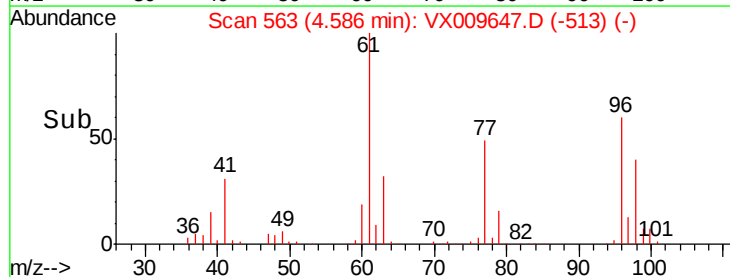
15000

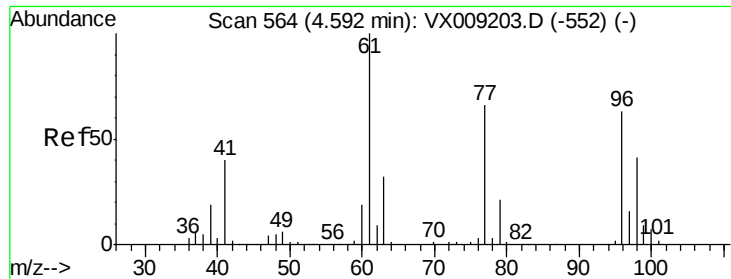
10000

5000

0

Time-->



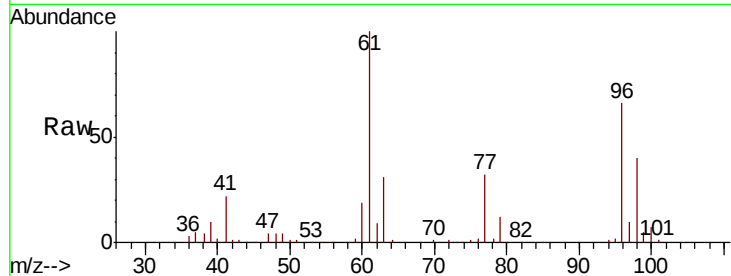


#27

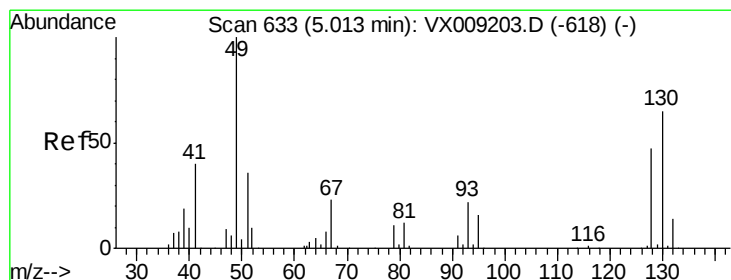
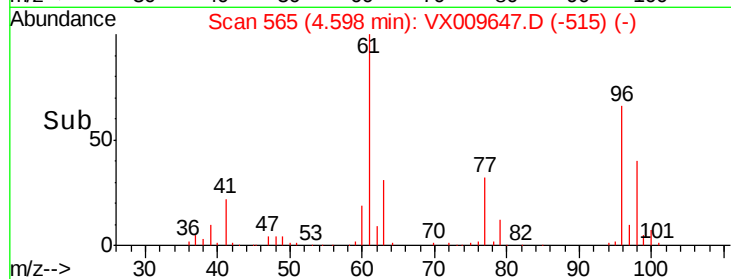
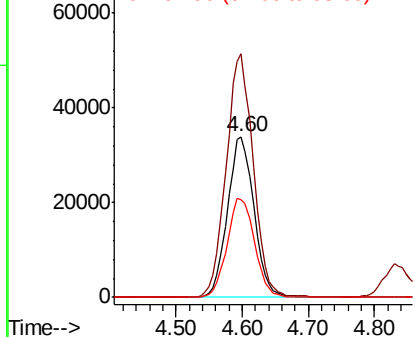
cis-1,2-Dichloroethene
 Concen: 51.285 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	324.0
98	63.8	0.0	130.4



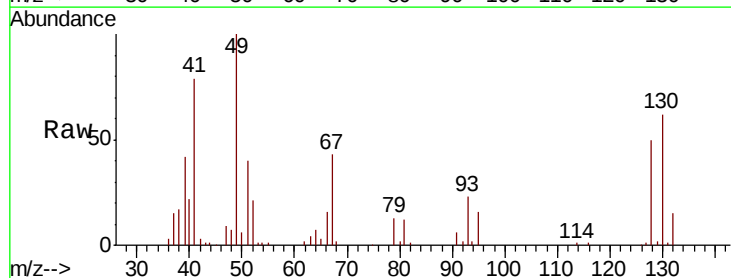
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



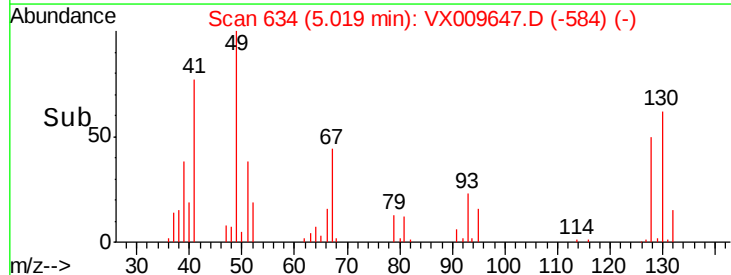
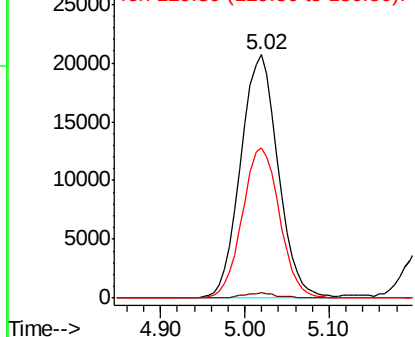
#28

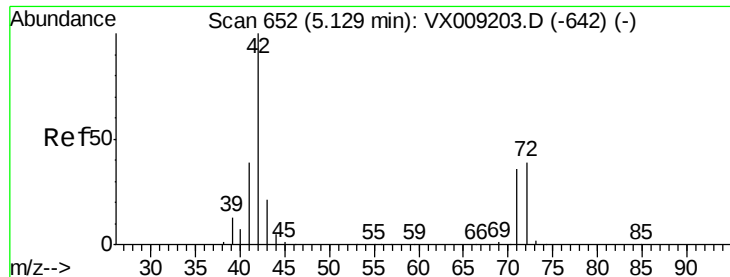
Bromochloromethane
 Concen: 47.257 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	61.5	51.2	76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

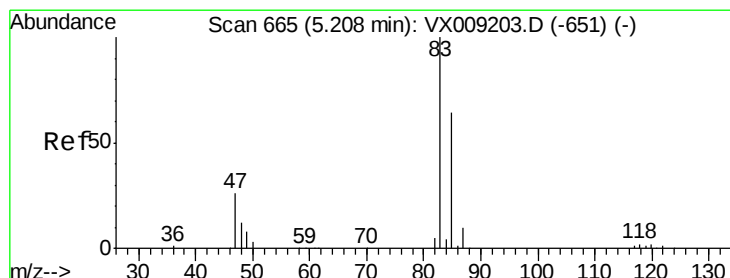
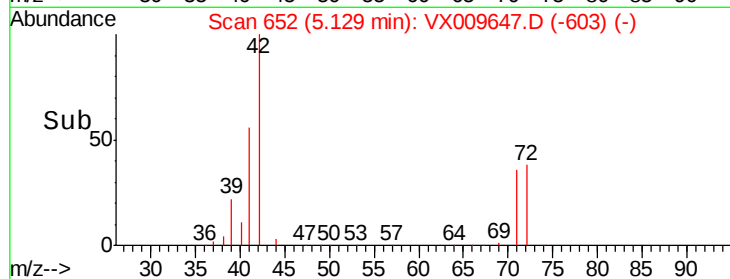
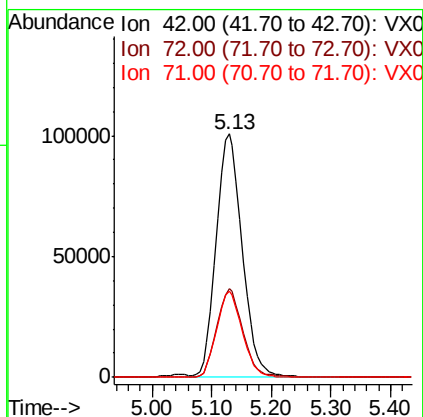
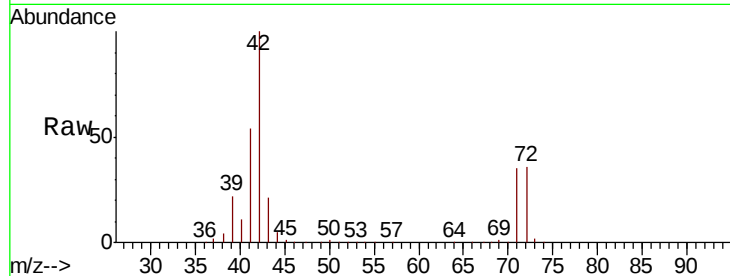




#29
Tetrahydrofuran
Concen: 274.322 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

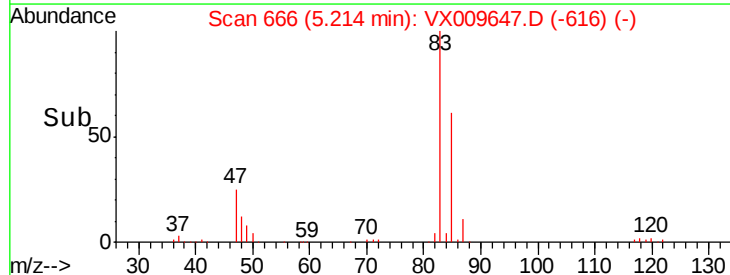
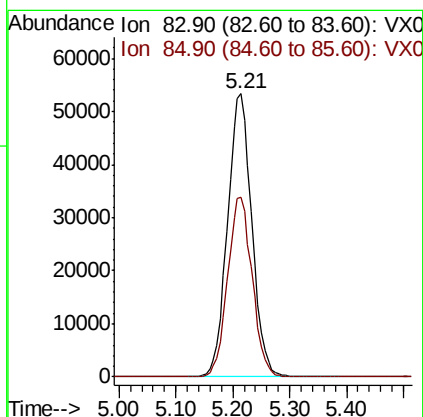
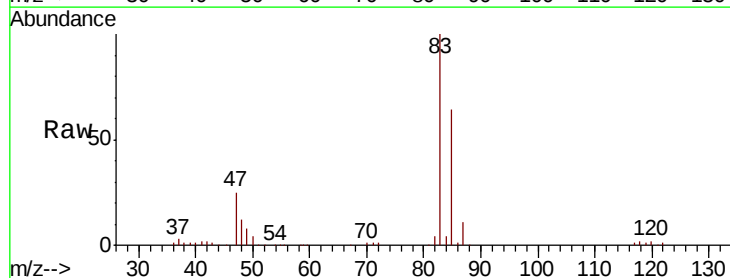
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

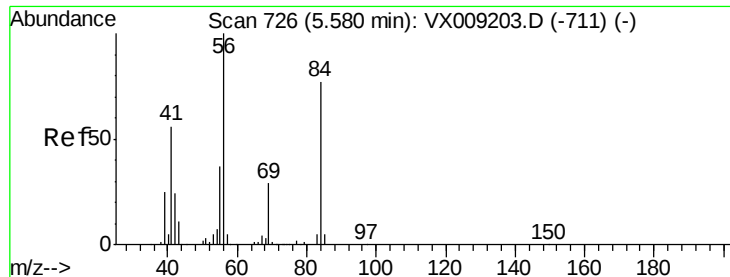
Tot Ion: 42 Resp: 304302
Ion Ratio Lower Upper
42 100
72 36.7 30.4 45.6
71 35.3 28.6 43.0



#30
Chloroform
Concen: 53.404 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 83 Resp: 158567
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3

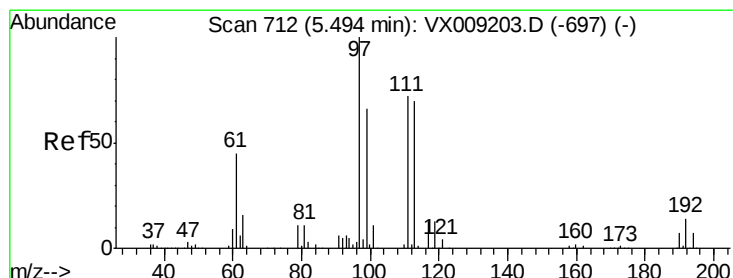
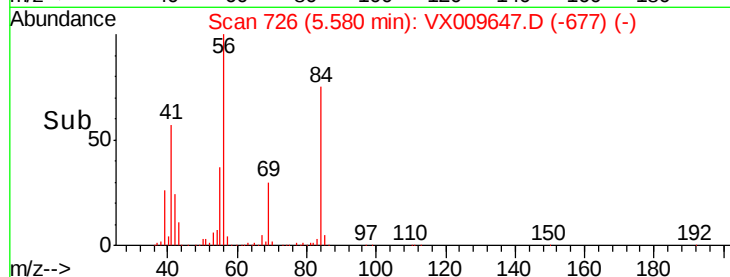
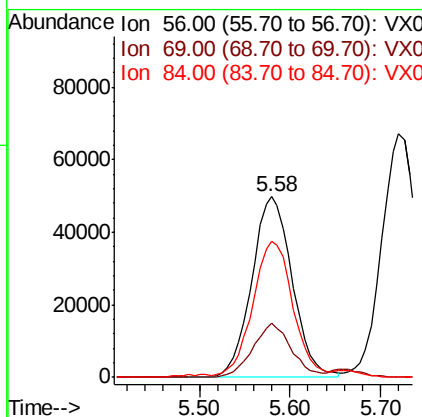
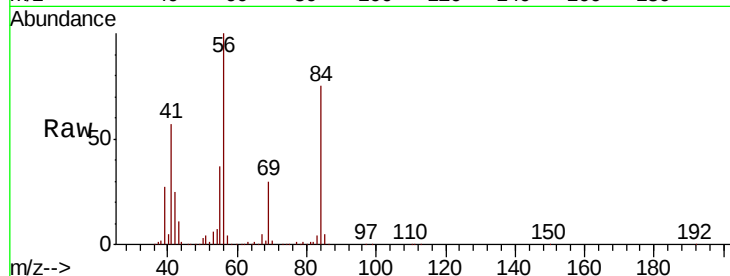




#31
Cyclohexane
Concen: 50.319 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

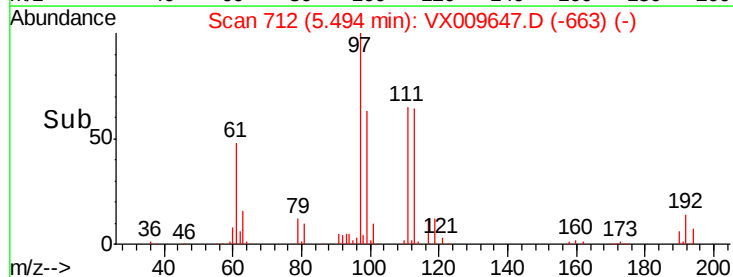
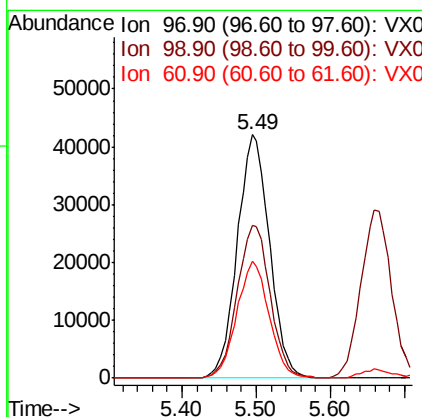
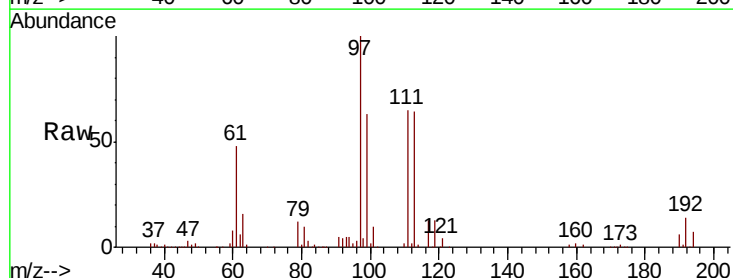
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

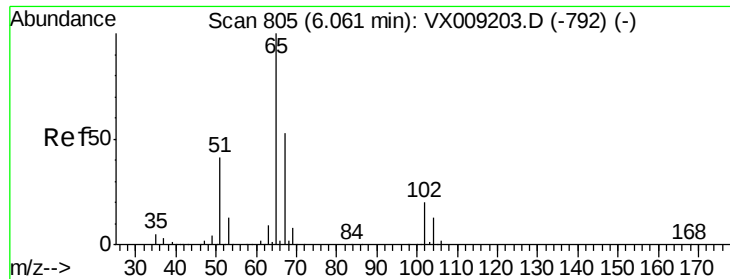
Tot Ion: 56 Resp: 153692
Ion Ratio Lower Upper
56 100
69 29.7 23.4 35.0
84 73.4 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 51.699 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 97 Resp: 127787
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 48.2 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 52.104 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

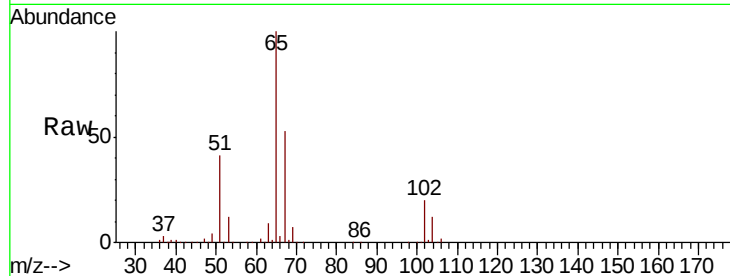
SS052MW749-190514MS

Tot Ion: 65 Resp: 107643

Ion Ratio Lower Upper

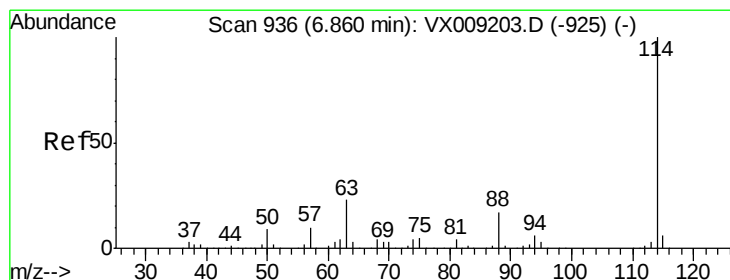
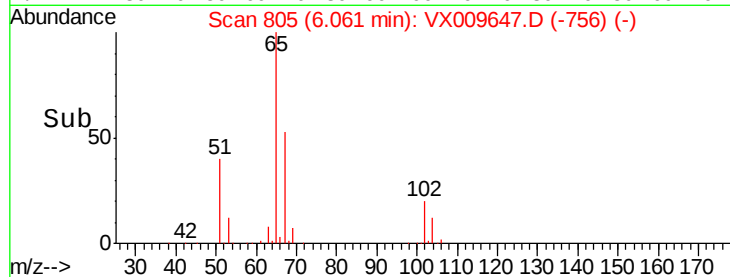
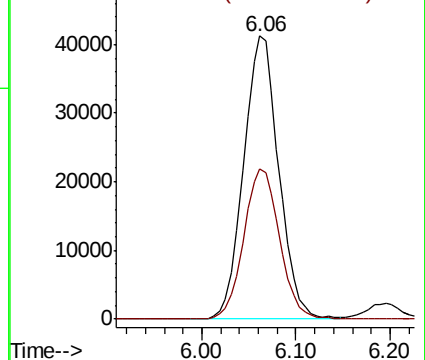
65 100

67 54.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

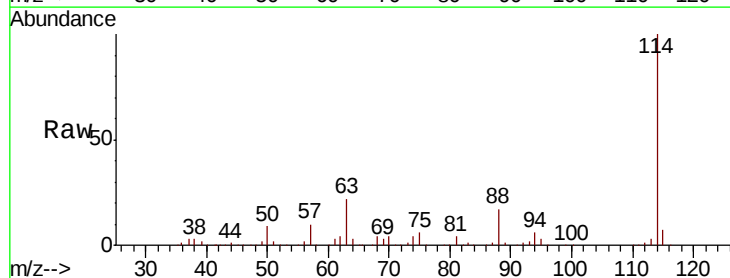
Tgt Ion: 114 Resp: 247652

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

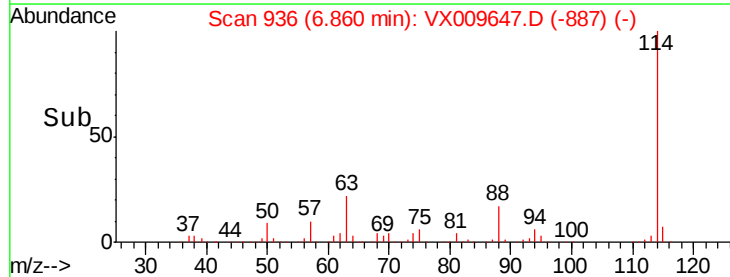
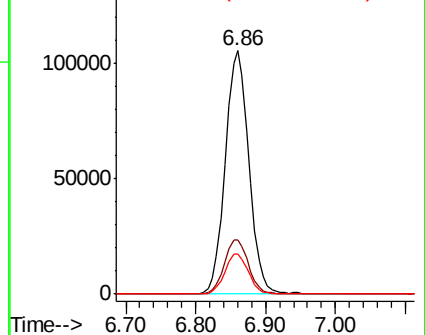
88 16.6 0.0 33.2

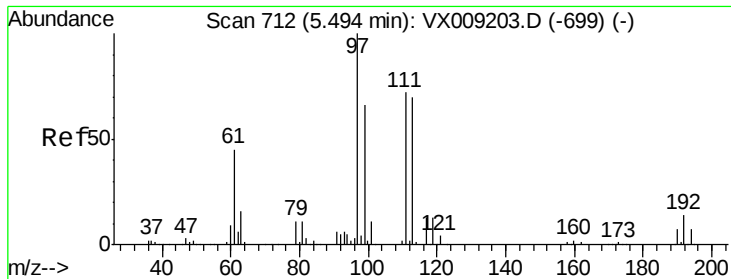


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.409 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

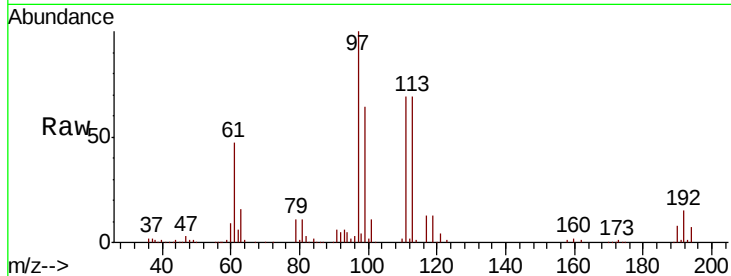
Tot Ion:113 Resp: 80036

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

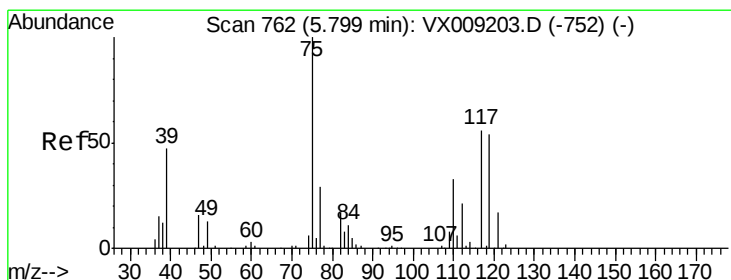
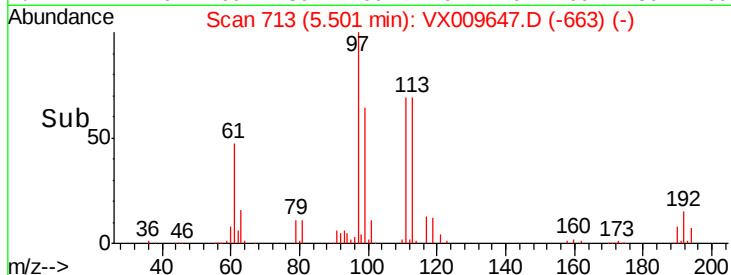
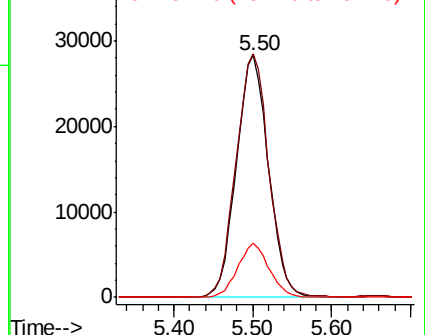
192 22.0 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.001 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

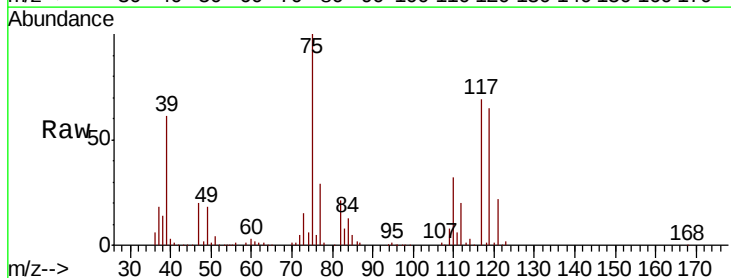
Tgt Ion: 75 Resp: 115075

Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.6

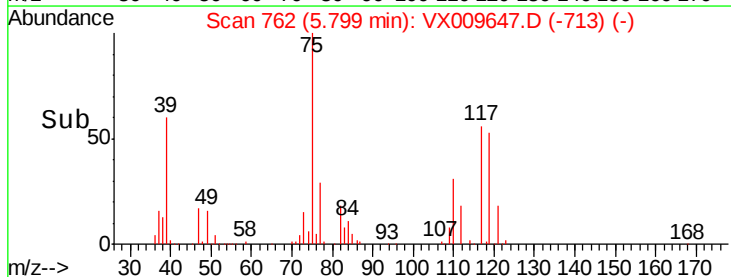
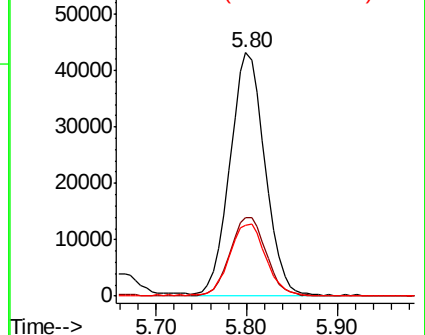
77 31.2 24.8 37.2

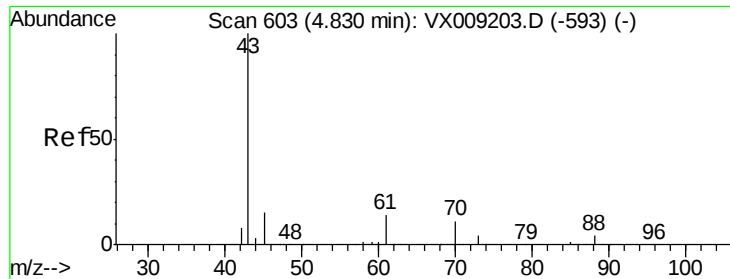


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 48.719 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

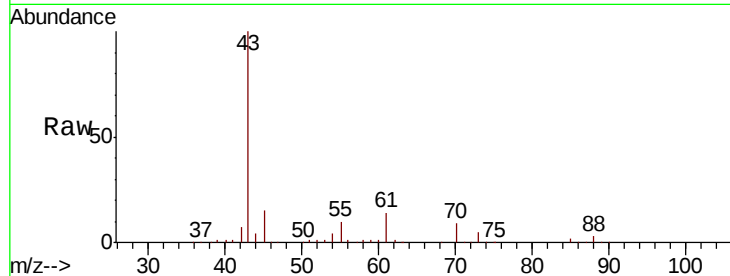
Tot Ion: 43 Resp: 156225

Ion Ratio Lower Upper

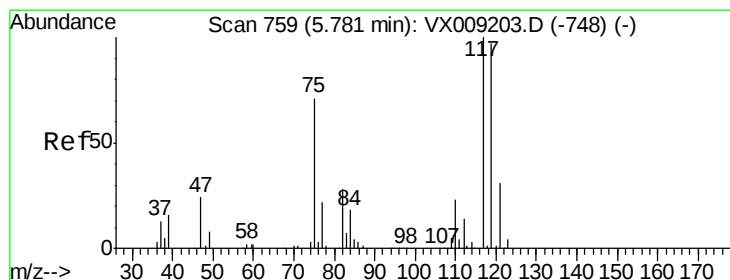
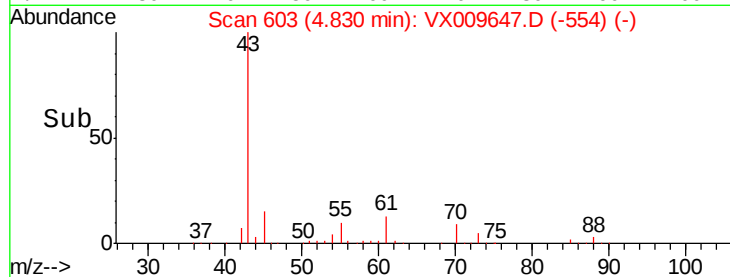
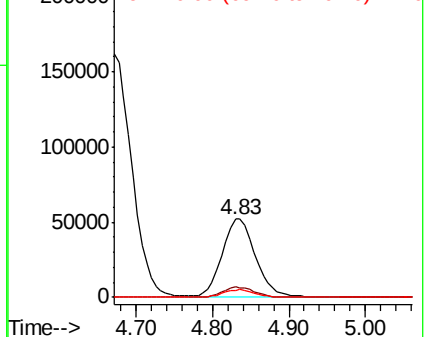
43 100

61 13.2 10.5 15.7

70 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 52.044 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

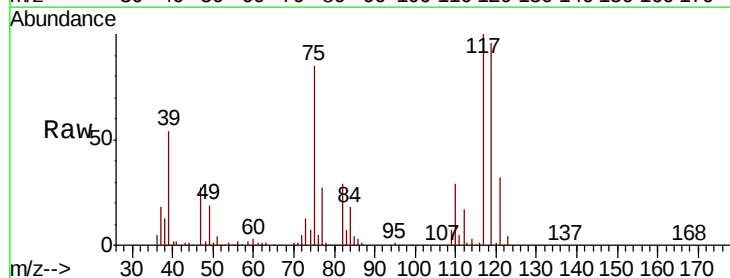
Tgt Ion: 117 Resp: 108825

Ion Ratio Lower Upper

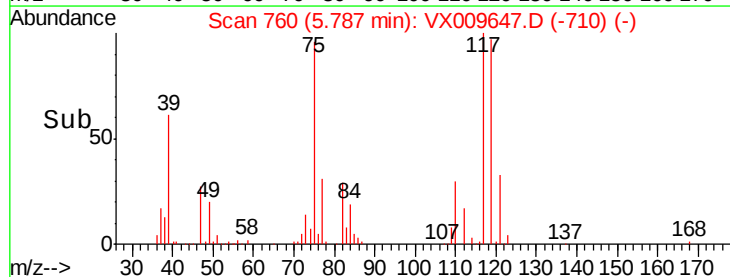
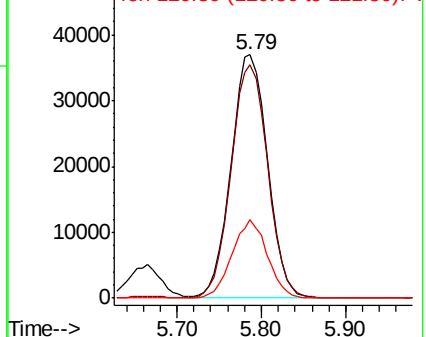
117 100

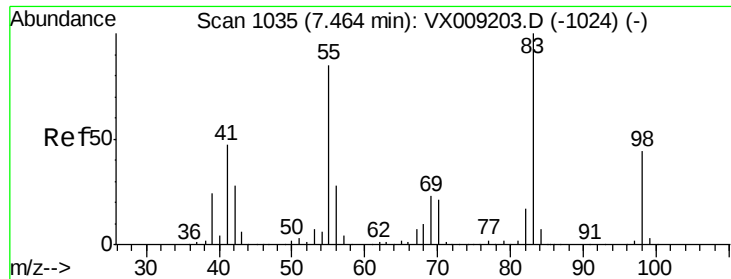
119 95.9 77.5 116.3

121 32.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

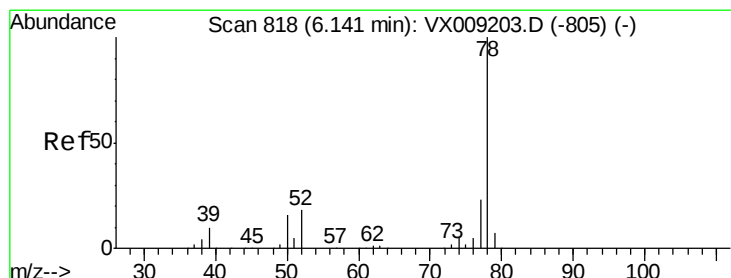
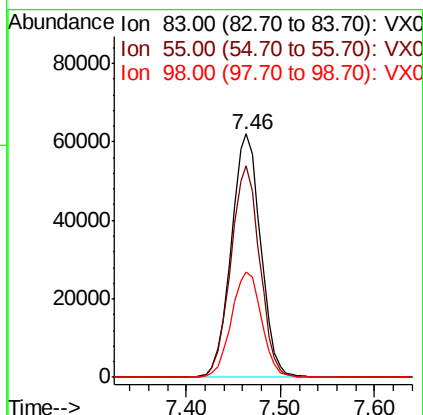
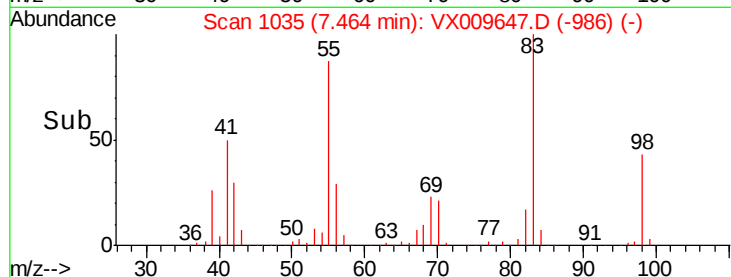
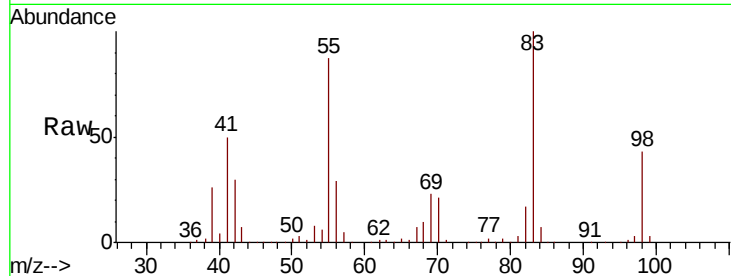




#39
Methvlcvclohexane
Concen: 47.667 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

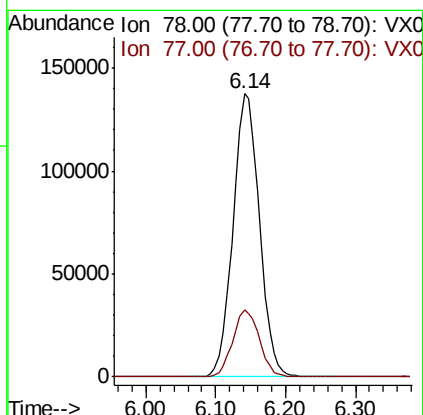
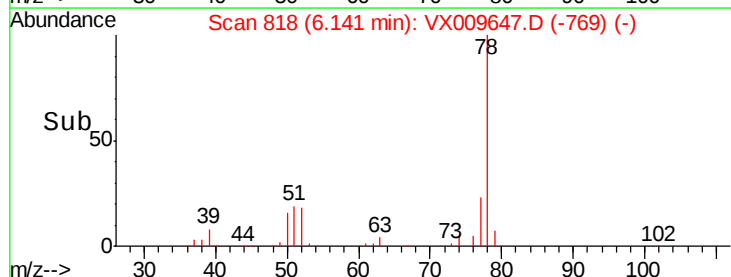
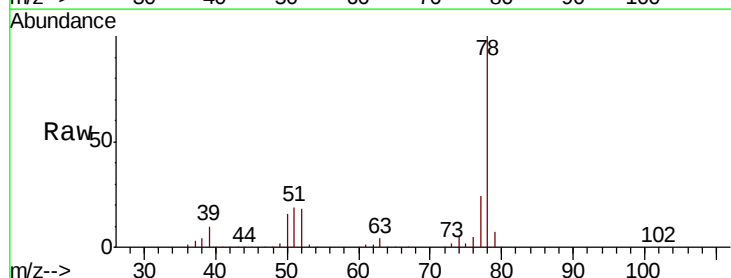
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

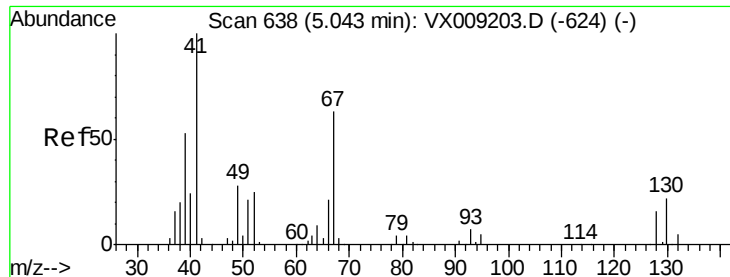
Tot Ion: 83 Resp: 134727
Ion Ratio Lower Upper
83 100
55 86.8 67.7 101.5
98 43.2 35.5 53.3



#40
Benzene
Concen: 50.621 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 78 Resp: 360553
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

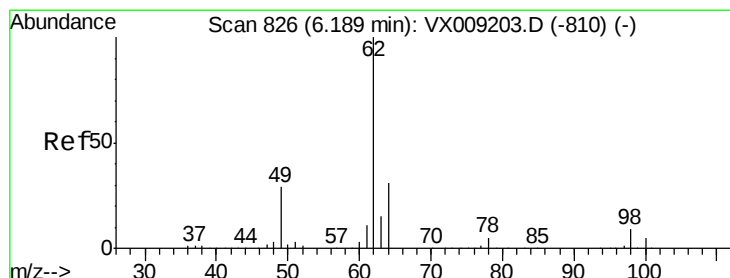
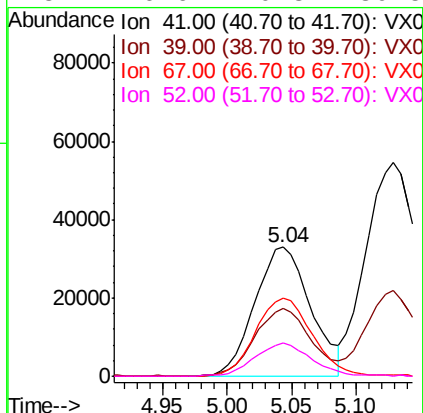
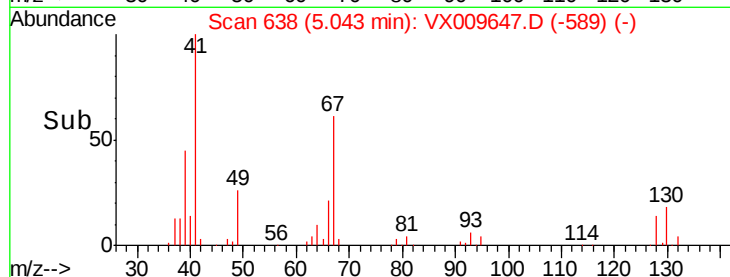
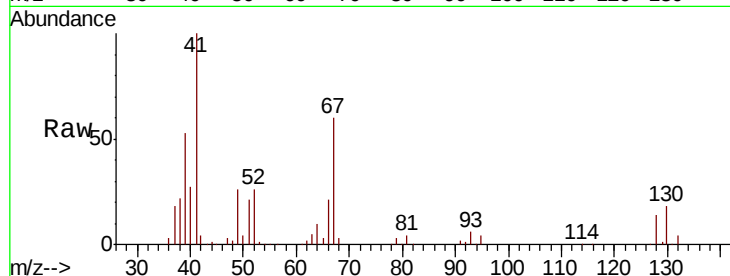




#41
Methacrylonitrile
Concen: 51.846 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

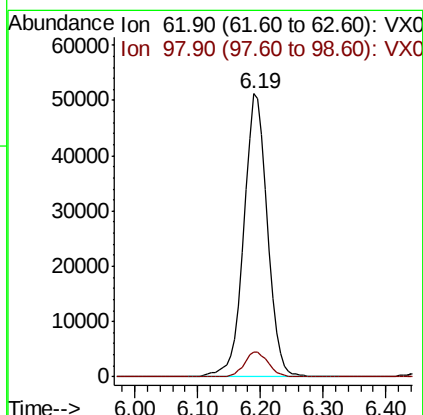
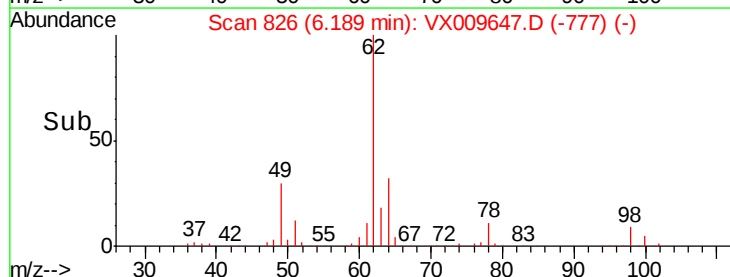
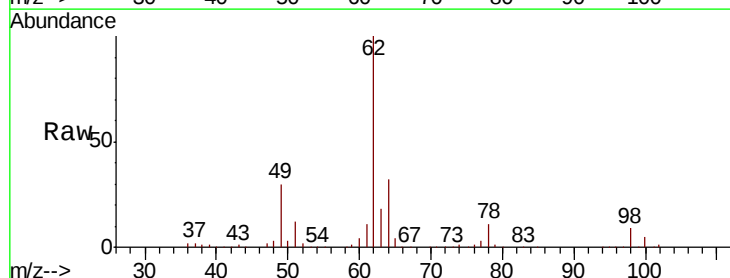
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

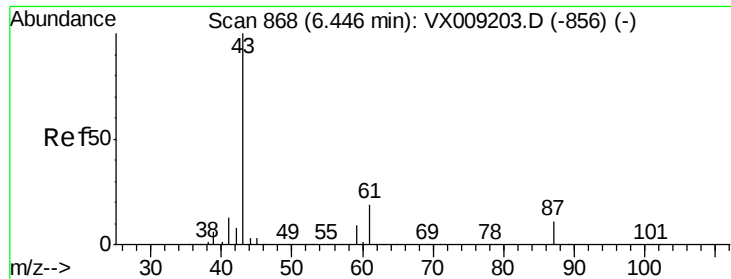
Tot Ion:	41	Resp:	98964
Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.0	63.0
67	62.1	49.8	74.8
52	26.6	20.3	30.5



#42
1,2-Dichloroethane
Concen: 52.308 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion:	62	Resp:	133648
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



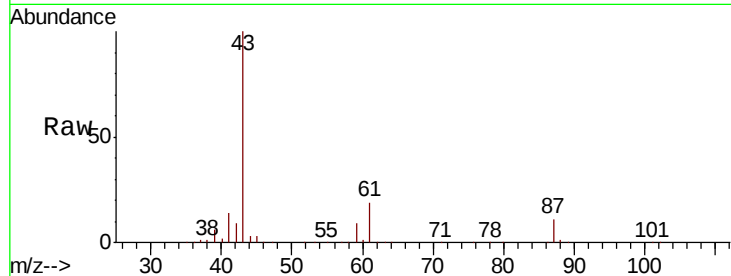


#43

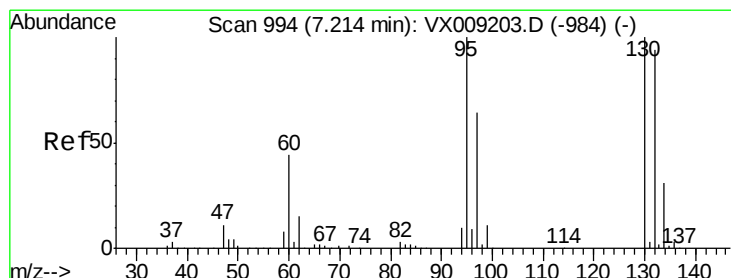
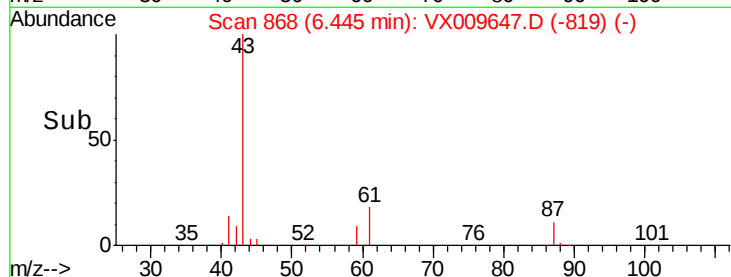
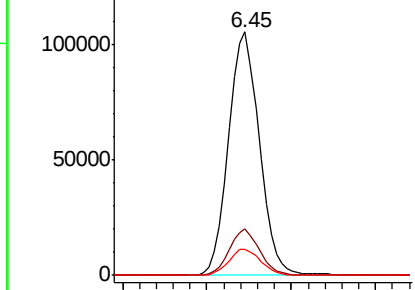
Isopropyl Acetate
 Concen: 50.896 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

Tot Ion: 43 Resp: 261054
 Ion Ratio Lower Upper
 43 100
 61 18.6 15.1 22.7
 87 11.1 9.0 13.6



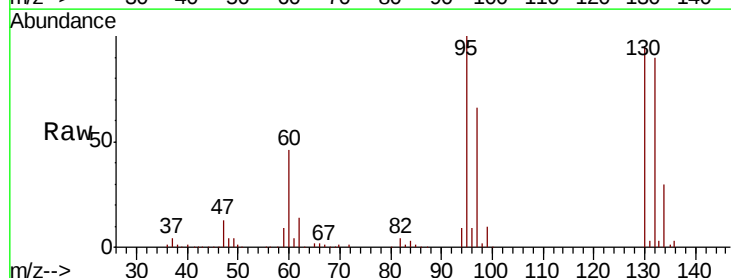
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



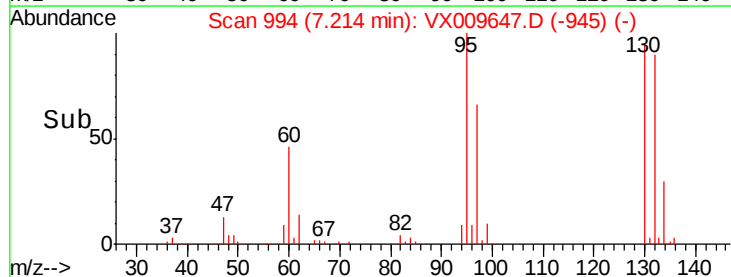
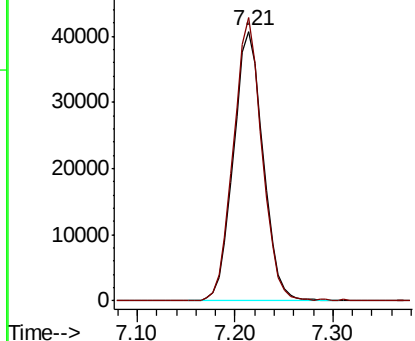
#44

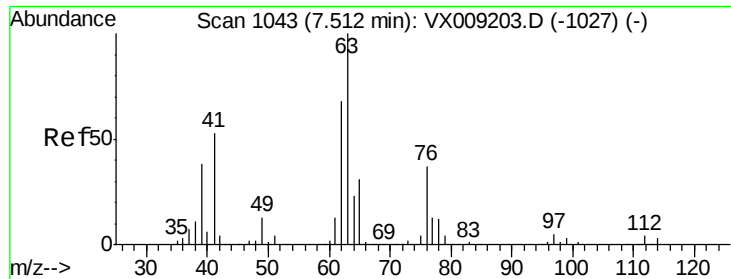
Trichloroethene
 Concen: 49.804 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion: 130 Resp: 85758
 Ion Ratio Lower Upper
 130 100
 95 105.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

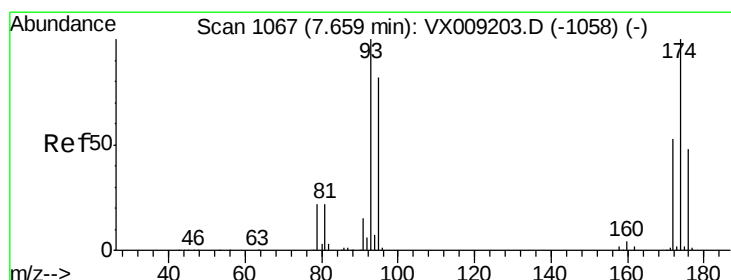
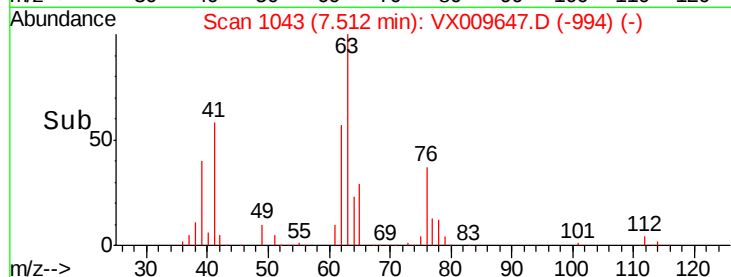
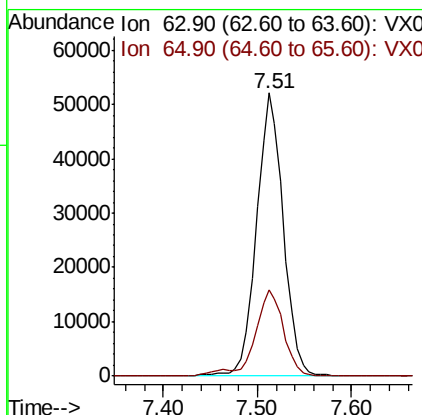
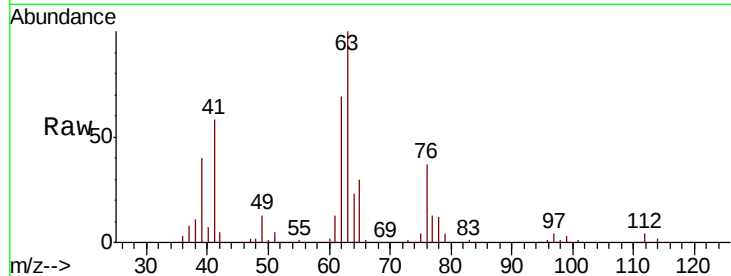




#45
 1,2-Dichloropropane
 Concen: 51.473 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

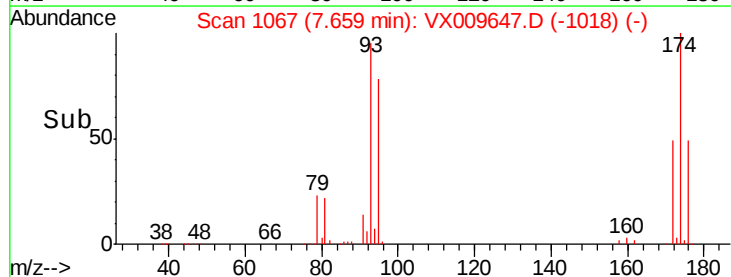
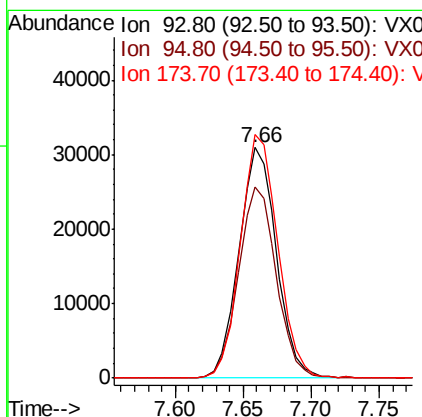
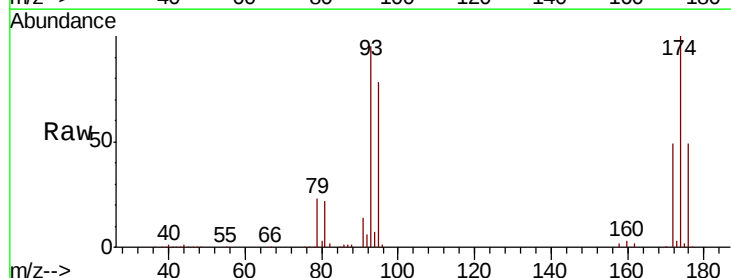
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

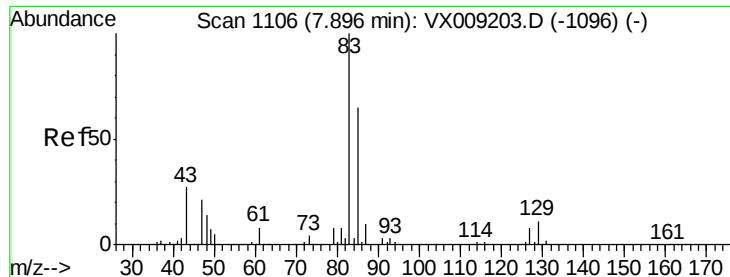
Tot Ion: 63 Resp: 103813
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 50.893 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion: 93 Resp: 59605
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 105.7 82.1 123.1





#47

Bromodichloromethane

Concen: 52.397 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

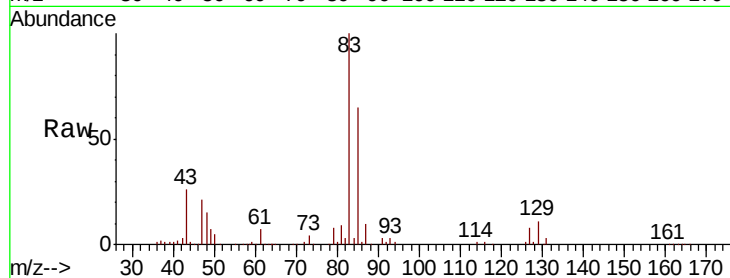
Tot Ion: 83 Resp: 122412

Ion Ratio Lower Upper

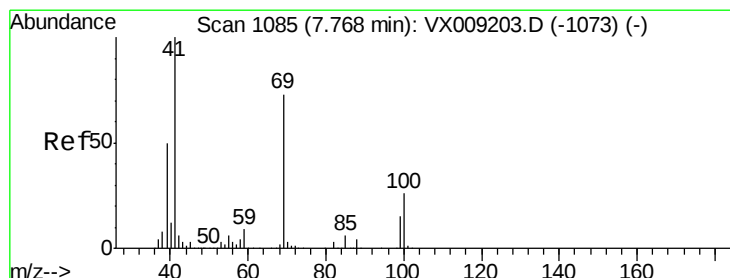
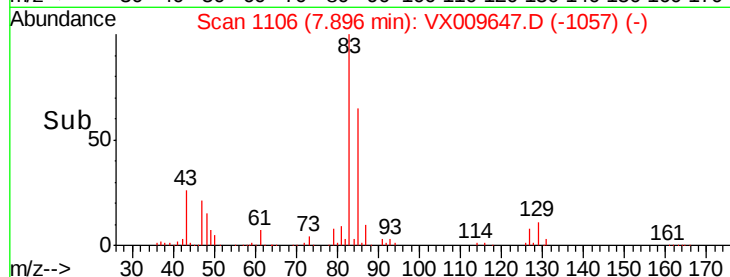
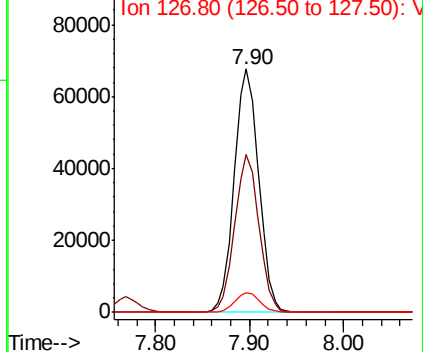
83 100

85 64.9 52.4 78.6

127 8.0 6.6 10.0



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: 54.501 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

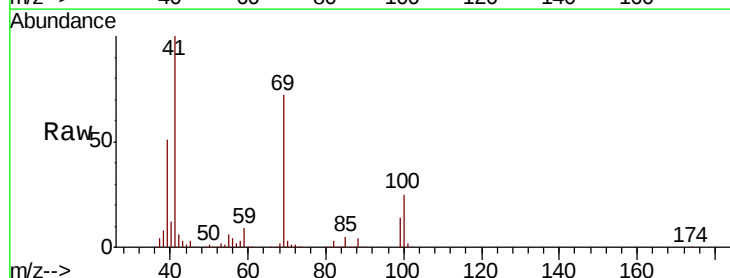
Tgt Ion: 41 Resp: 138689

Ion Ratio Lower Upper

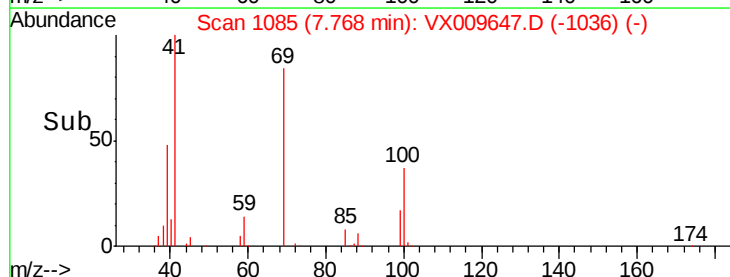
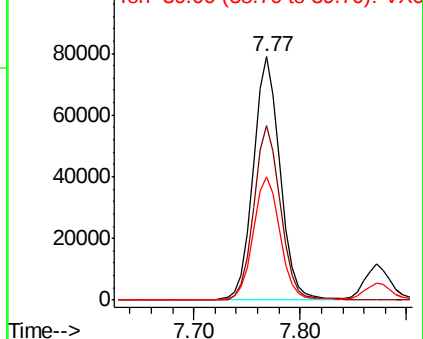
41 100

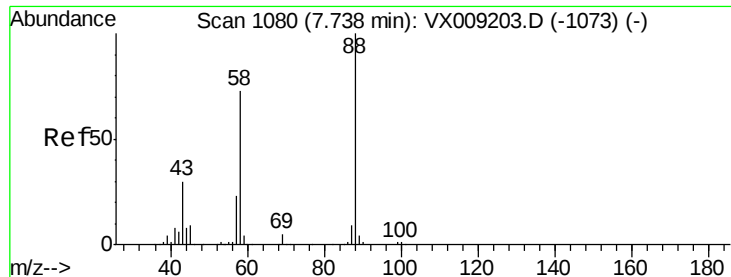
69 71.8 59.1 88.7

39 51.0 40.4 60.6



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: 987.575 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

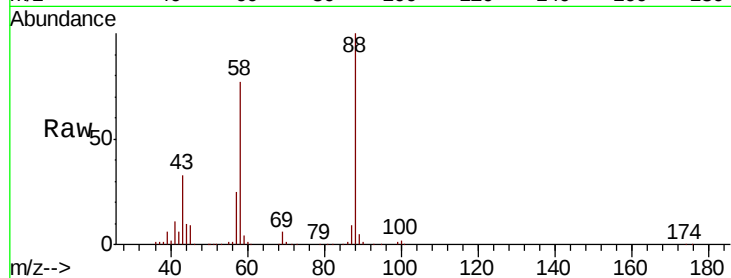
Tot Ion: 88 Resp: 50965

Ion Ratio Lower Upper

88 100

43 37.7 28.6 42.8

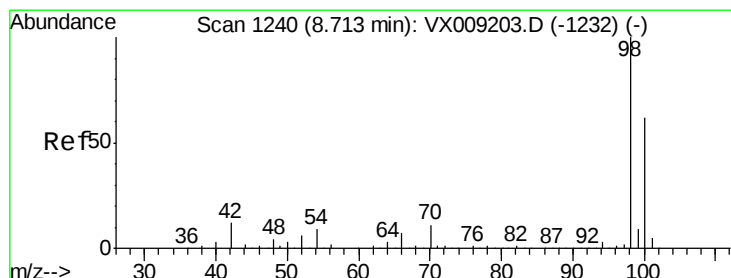
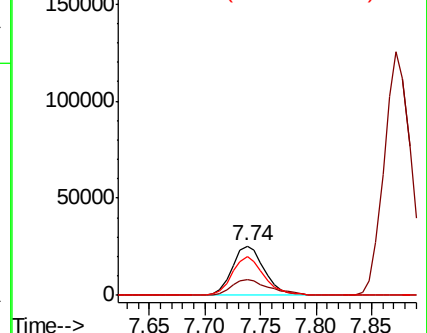
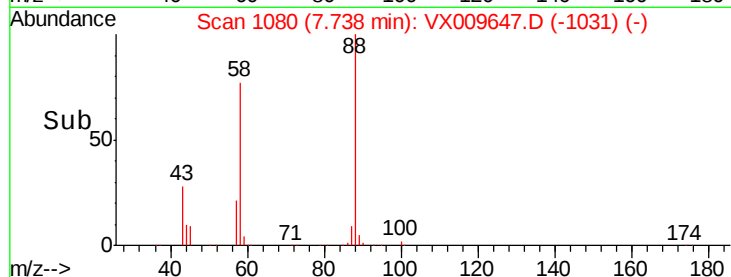
58 78.0 61.7 92.5



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: 49.778 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009647.D

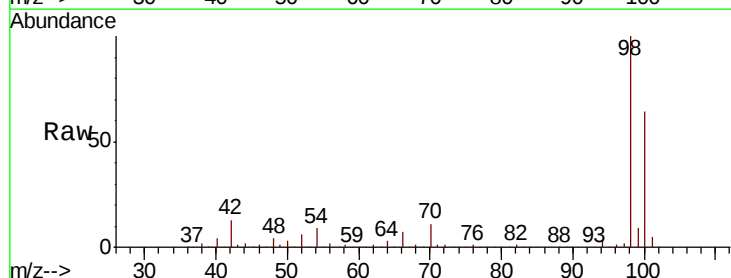
Acq: 17 May 2019 07:33

Tgt Ion: 98 Resp: 312871

Ion Ratio Lower Upper

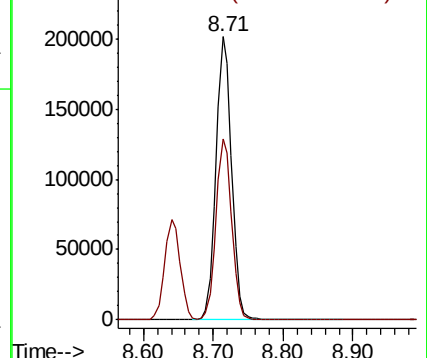
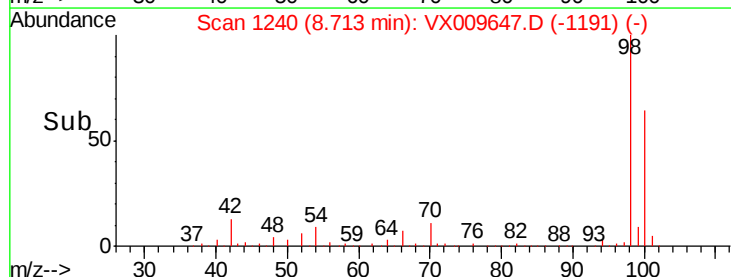
98 100

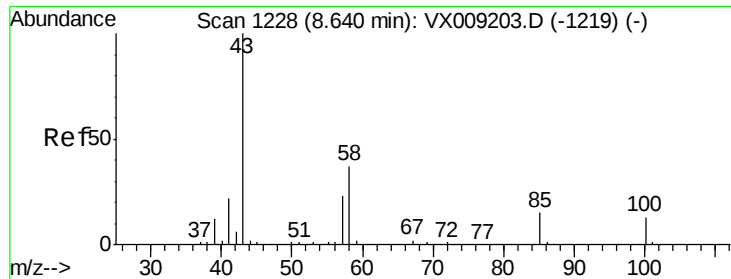
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 275.479 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

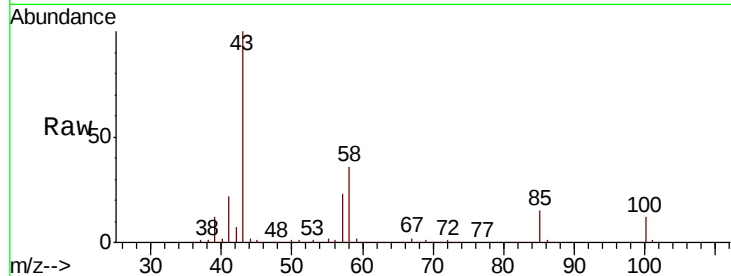
SS052MW749-190514MS

Tot Ion: 43 Resp: 923551

Ion Ratio Lower Upper

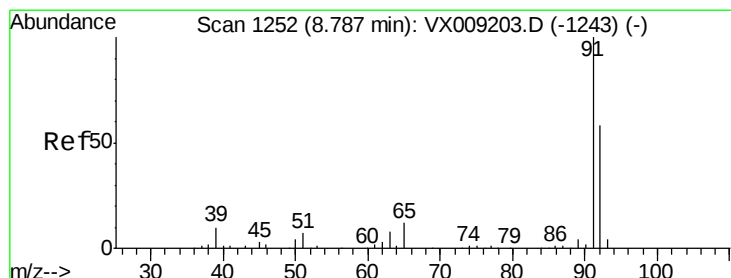
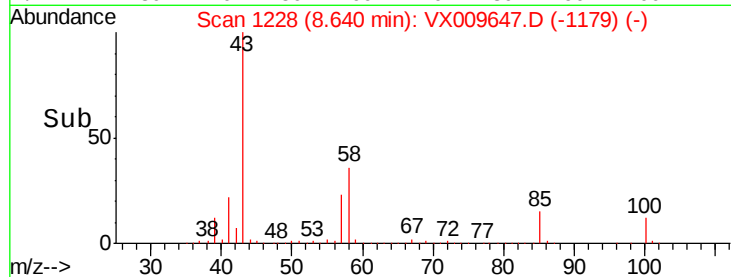
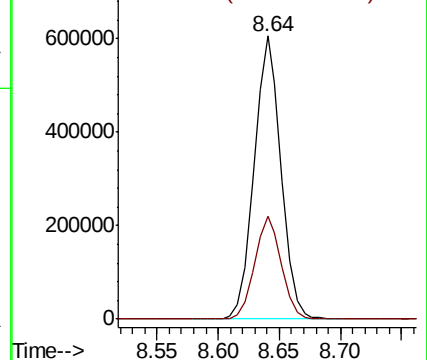
43 100

58 36.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.231 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009647.D

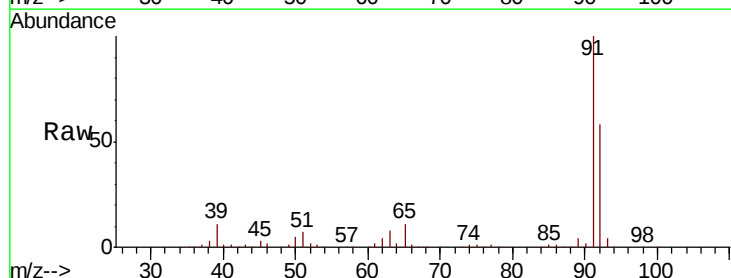
Acq: 17 May 2019 07:33

Tgt Ion: 92 Resp: 221812

Ion Ratio Lower Upper

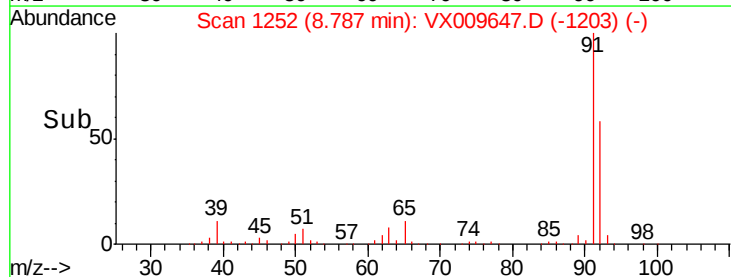
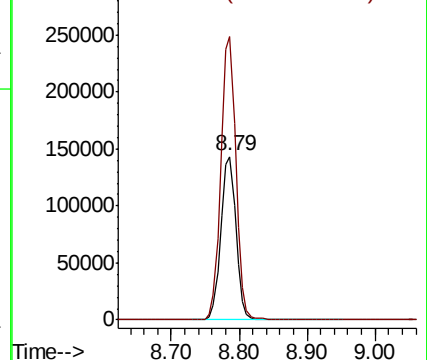
92 100

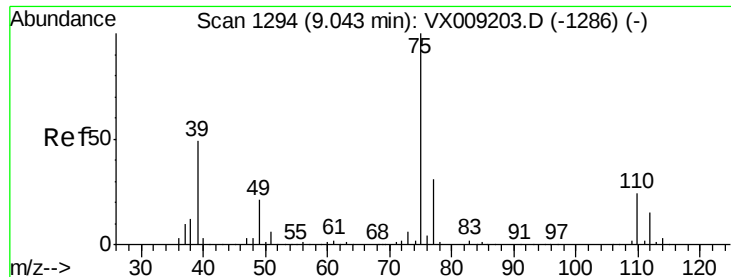
91 172.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.990 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

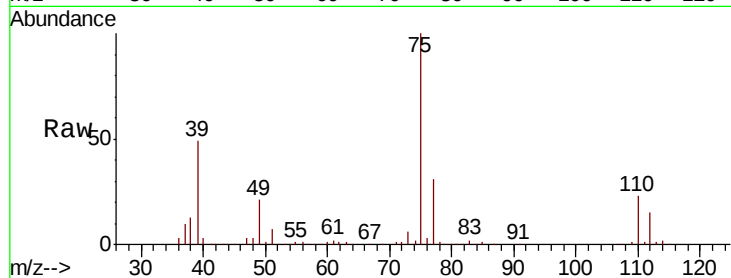
SS052MW749-190514MS

Tot Ion: 75 Resp: 129216

Ion Ratio Lower Upper

75 100

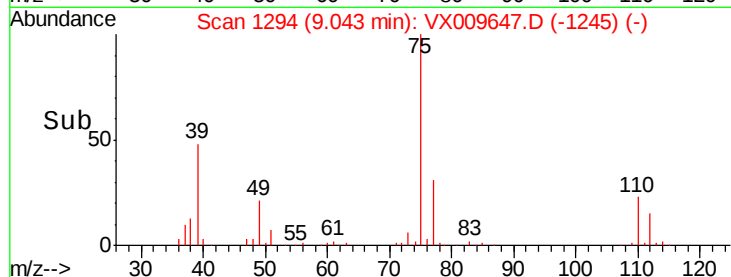
77 31.2 25.0 37.6



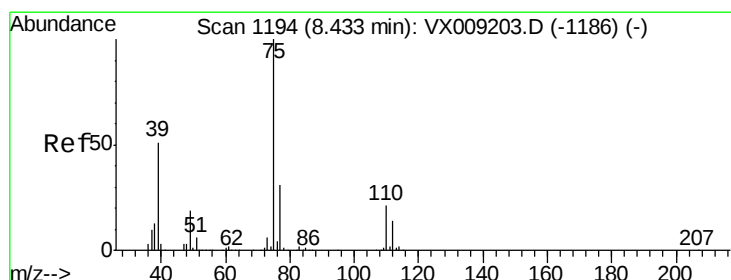
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04



Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.199 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

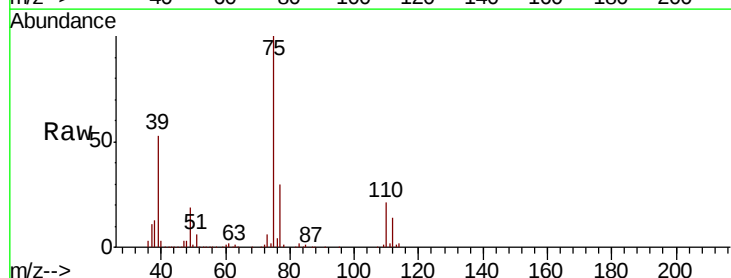
Tgt Ion: 75 Resp: 140716

Ion Ratio Lower Upper

75 100

77 30.4 24.6 36.8

39 53.0 40.6 60.8

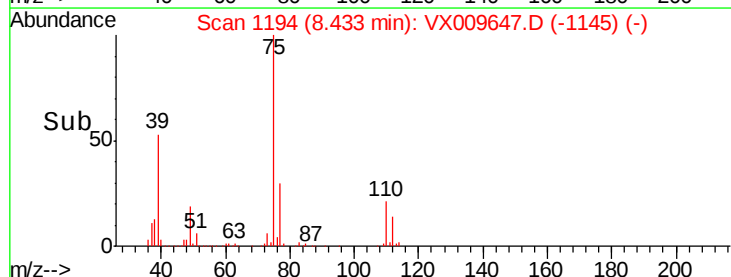


Abundance Ion 74.90 (74.60 to 75.60): VX0

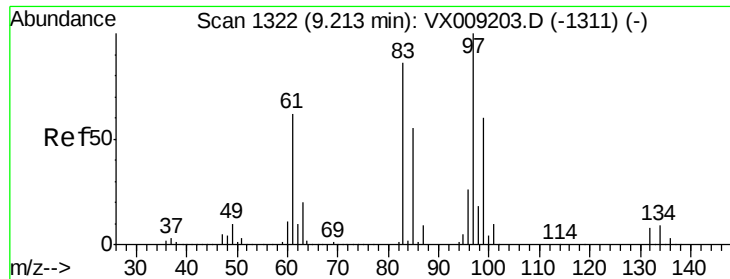
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43



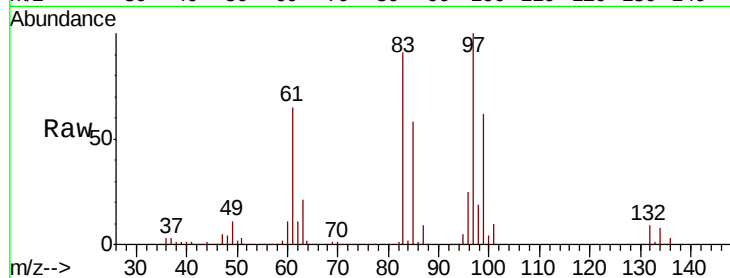
Time-->



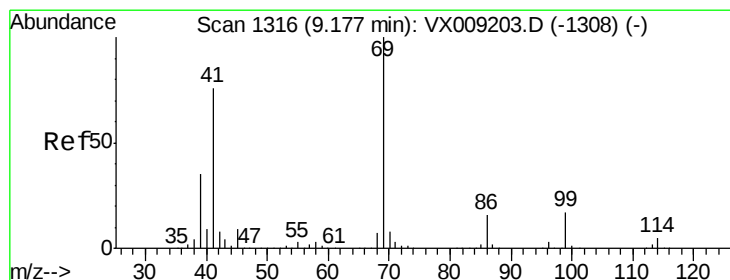
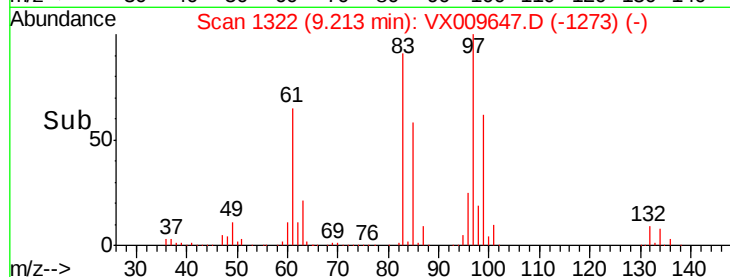
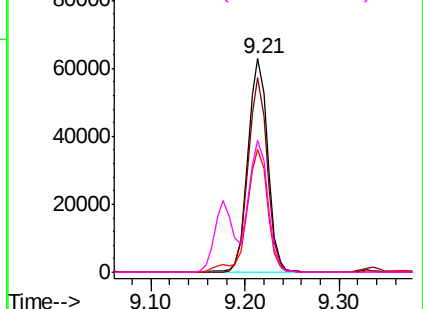
#55
 1,1,2-Trichloroethane
 Concen: 52.616 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

Tot Ion:	97	Resp:	92940
Ion	Ratio	Lower	Upper
97	100		
83	91.2	68.9	103.3
85	57.6	43.8	65.6
99	61.9	48.2	72.2

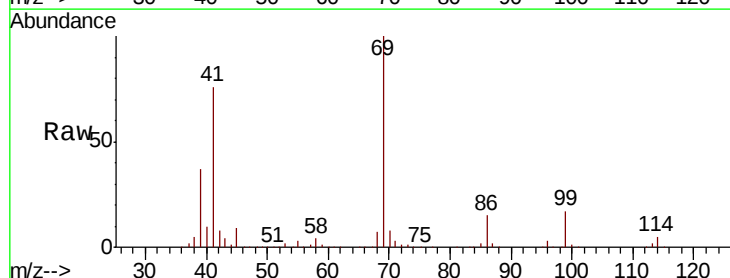


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

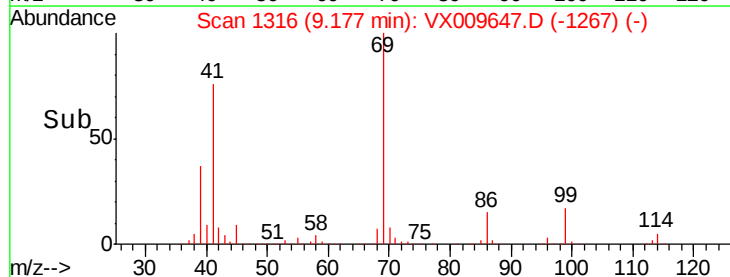
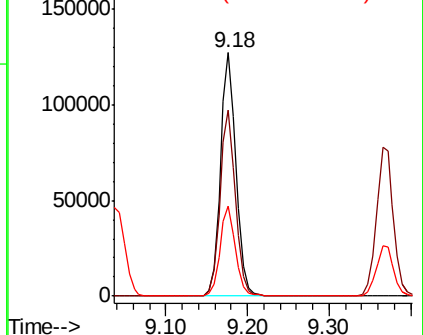


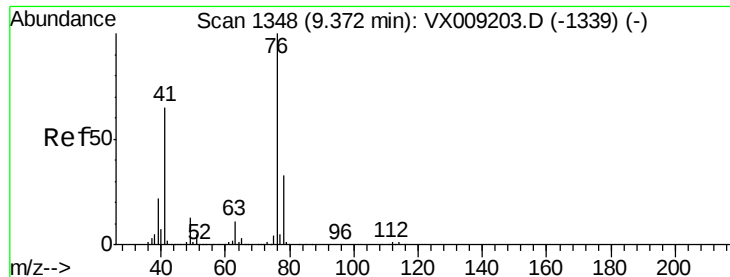
#56
 Ethyl methacrylate
 Concen: 53.600 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion:	69	Resp:	169006
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.6	90.8
39	36.6	28.2	42.4



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.210 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

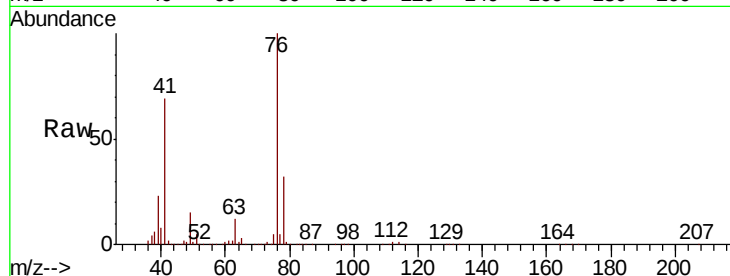
SS052MW749-190514MS

Tot Ion: 76 Resp: 162288

Ion Ratio Lower Upper

76 100

78 31.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

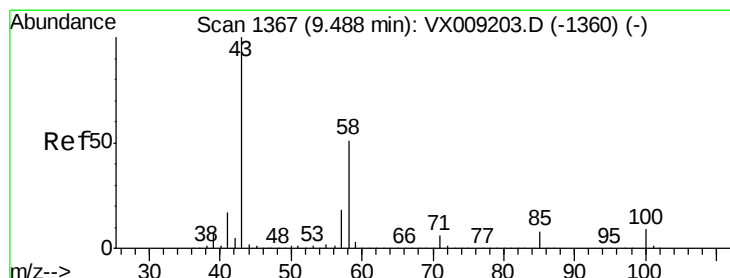
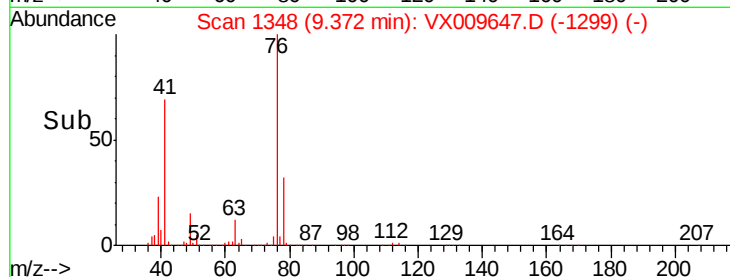
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 272.613 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX009647.D

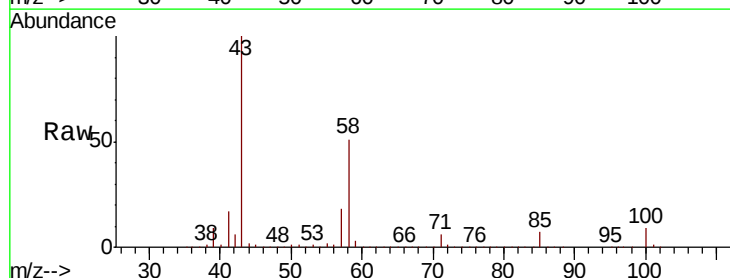
Acq: 17 May 2019 07:33

Tgt Ion: 43 Resp: 717799

Ion Ratio Lower Upper

43 100

58 51.0 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

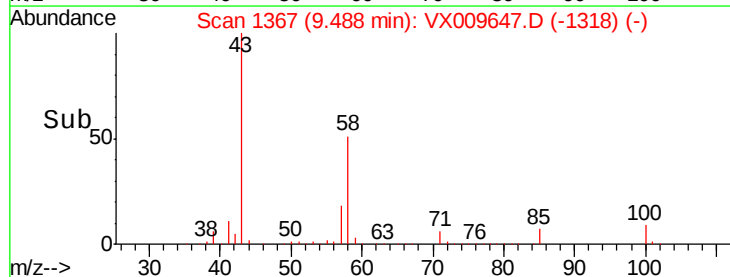
300000

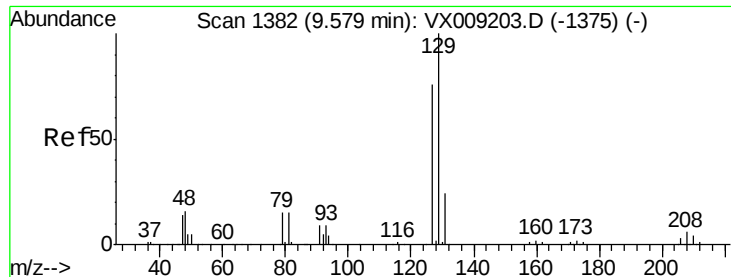
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 53.538 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

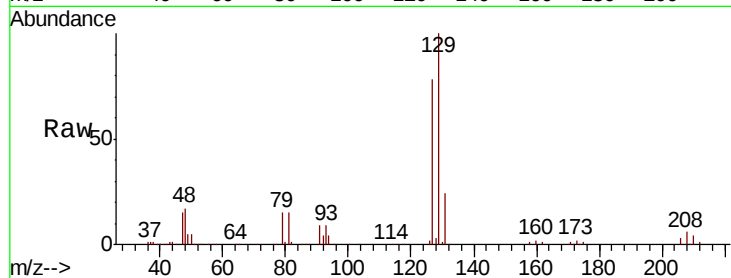
SS052MW749-190514MS

Tot Ion:129 Resp: 92363

Ion Ratio Lower Upper

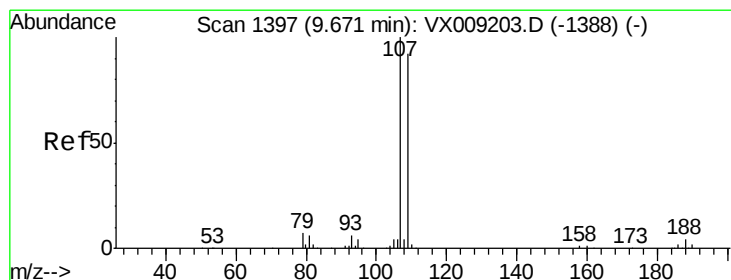
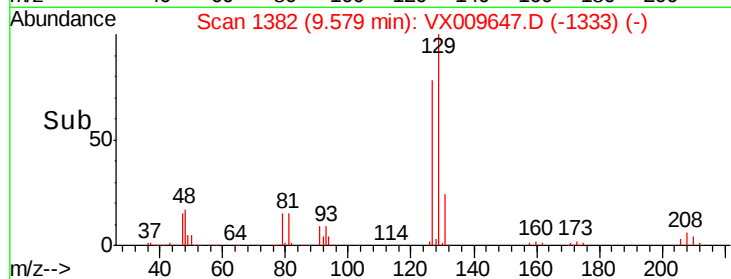
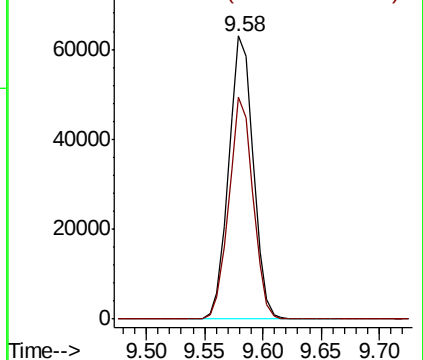
129 100

127 77.1 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.105 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009647.D

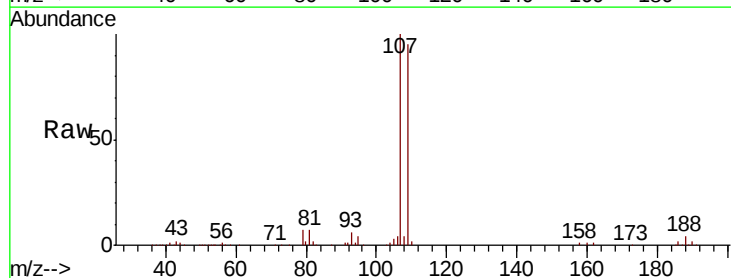
Acq: 17 May 2019 07:33

Tgt Ion:107 Resp: 92906

Ion Ratio Lower Upper

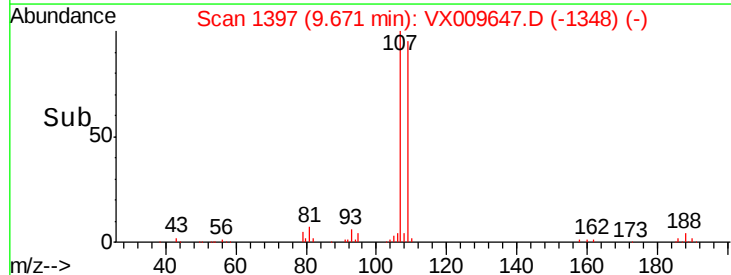
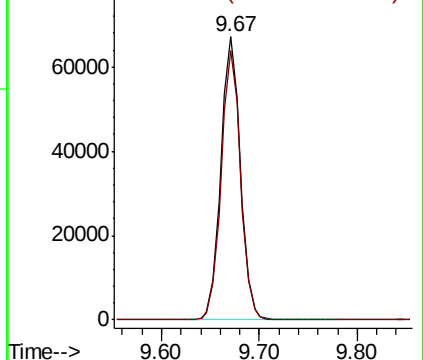
107 100

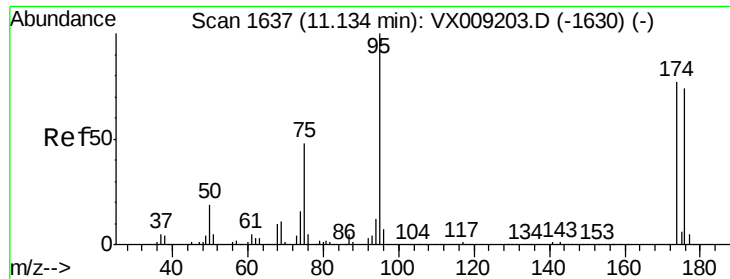
109 94.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.783 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

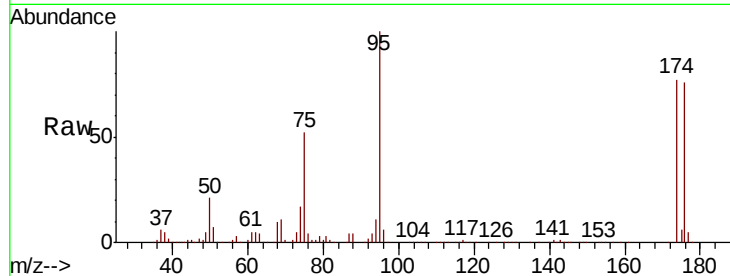
Tot Ion: 95 Resp: 118264

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

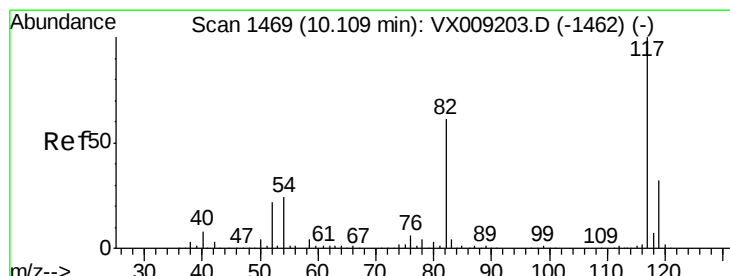
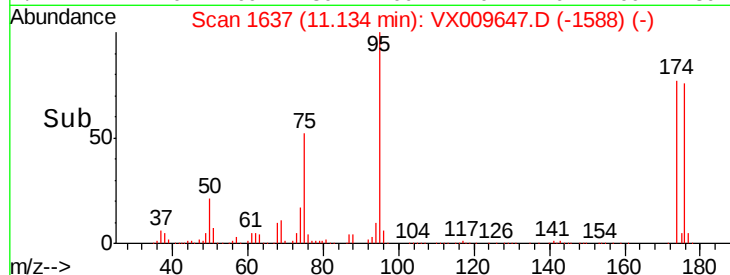
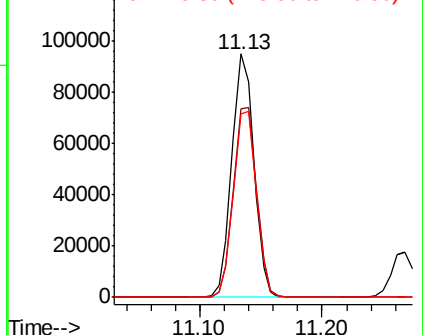
176 79.8 0.0 159.2



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: VX009647.D

Acq: 17 May 2019 07:33

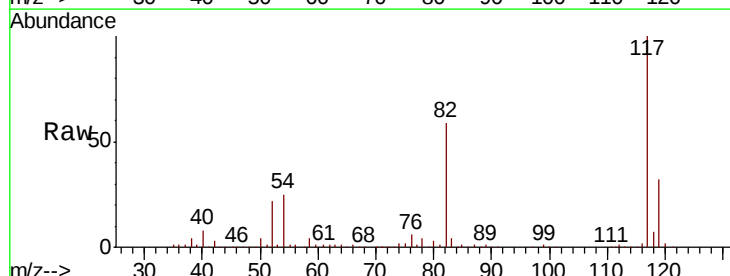
Tgt Ion: 117 Resp: 229504

Ion Ratio Lower Upper

117 100

82 58.8 48.8 73.2

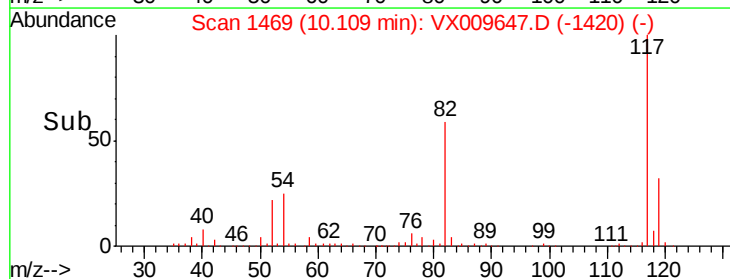
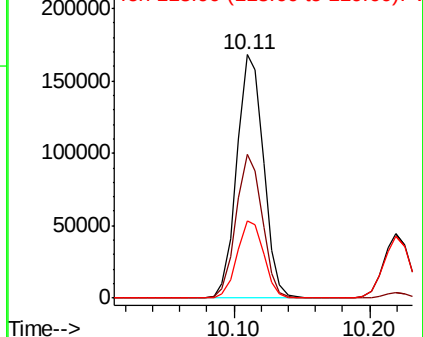
119 31.6 25.8 38.6

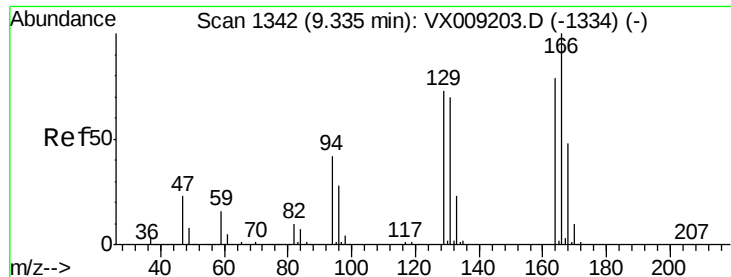


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 53.656 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

Tot Ion:164 Resp: 84470

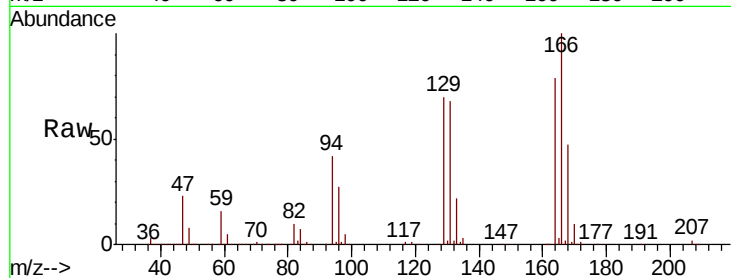
Ion Ratio Lower Upper

164 100

166 126.4 101.2 151.8

129 89.0 74.3 111.5

131 86.4 71.0 106.6

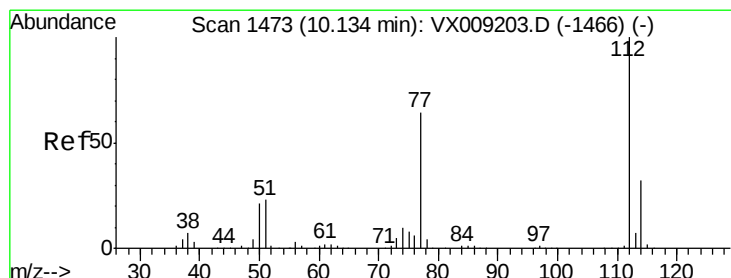
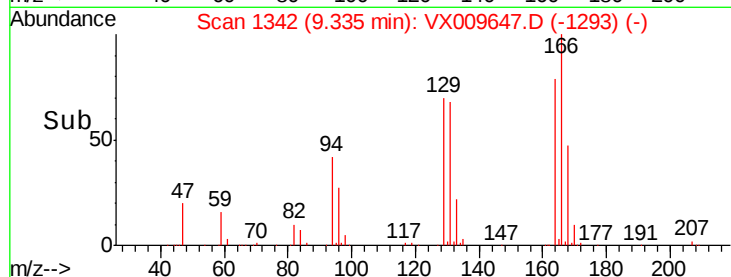
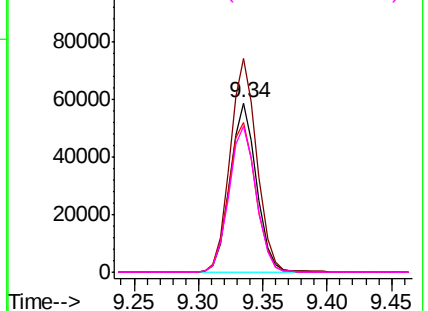


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.136 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009647.D

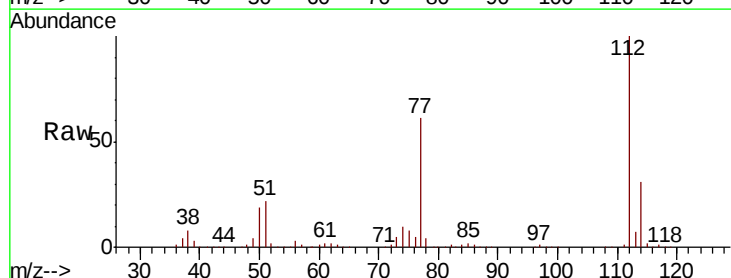
Acq: 17 May 2019 07:33

Tgt Ion:112 Resp: 230178

Ion Ratio Lower Upper

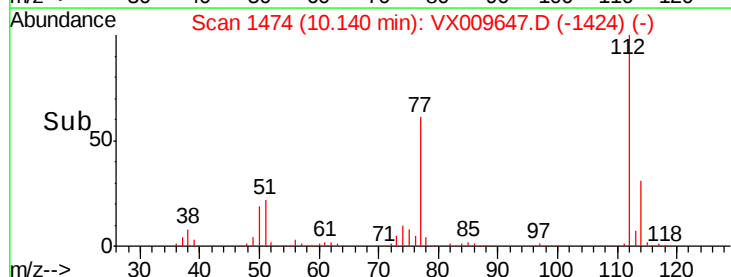
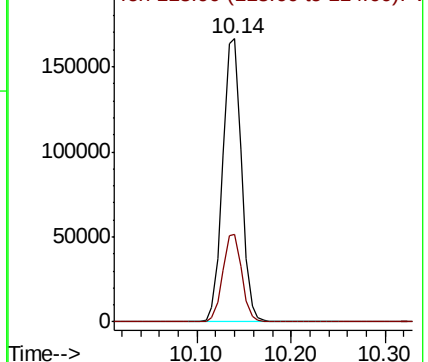
112 100

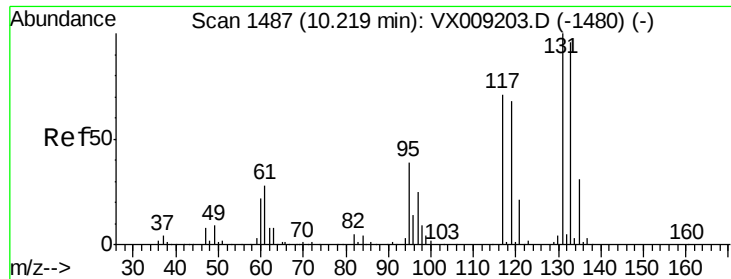
114 31.1 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

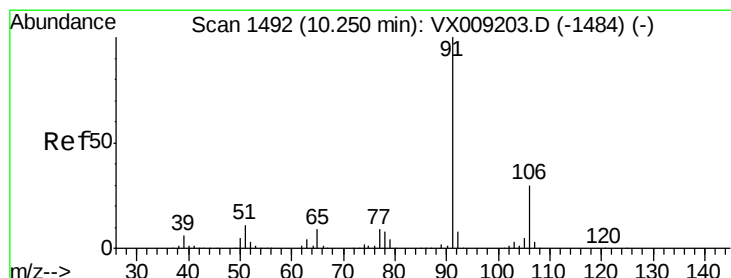
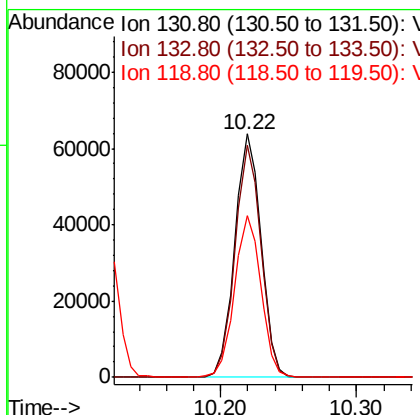
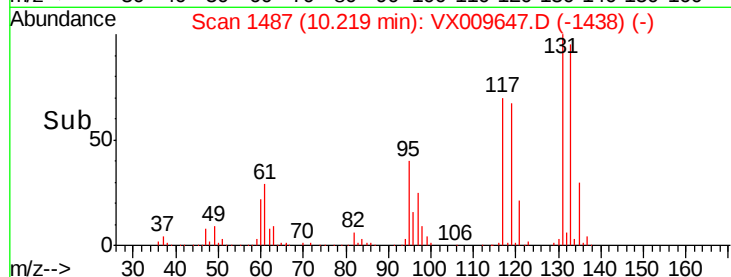
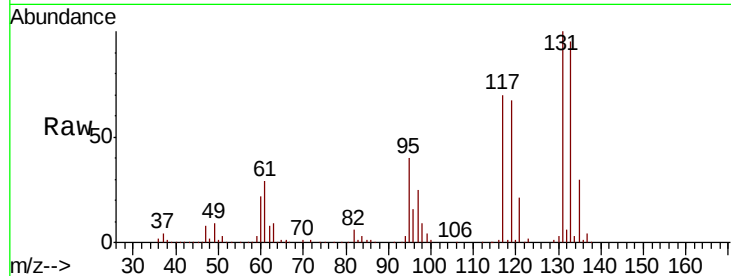




#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.513 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

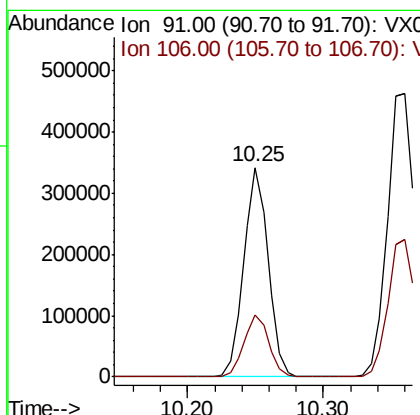
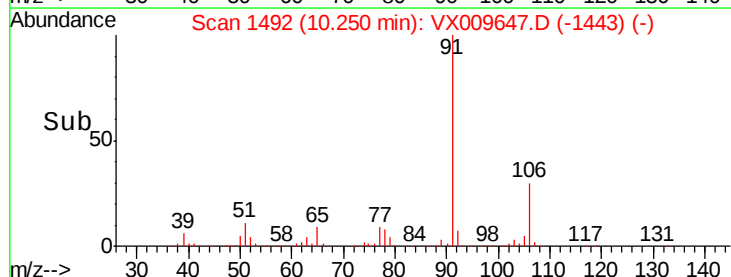
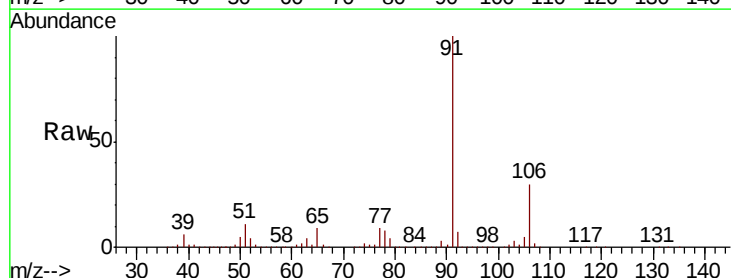
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

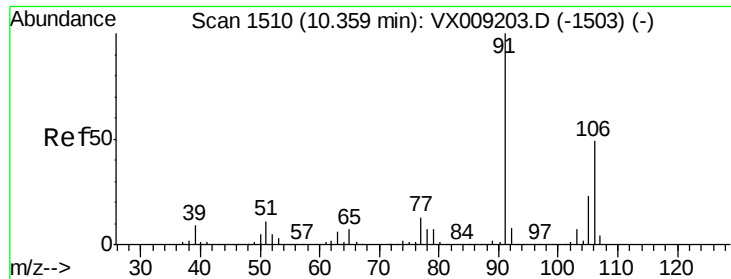
Tot Ion:131 Resp: 85741
 Ion Ratio Lower Upper
 131 100
 133 94.4 47.7 143.1
 119 66.8 33.5 100.4



#67
 Ethyl Benzene
 Concen: 50.752 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion: 91 Resp: 428825
 Ion Ratio Lower Upper
 91 100
 106 29.8 24.0 36.0

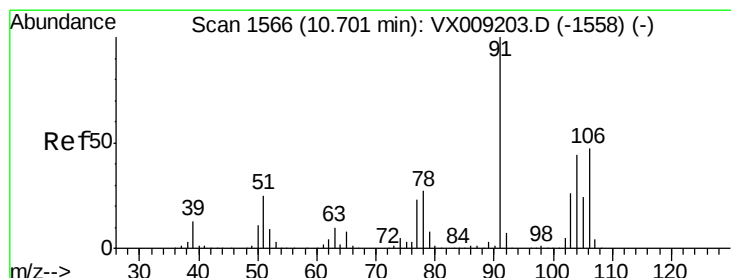
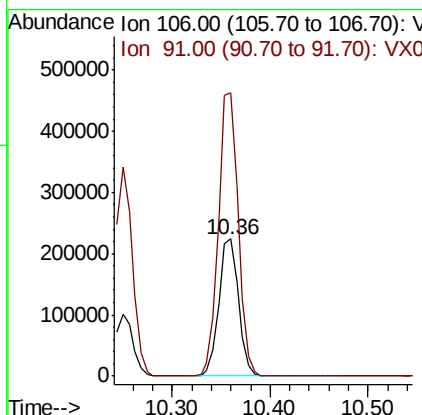
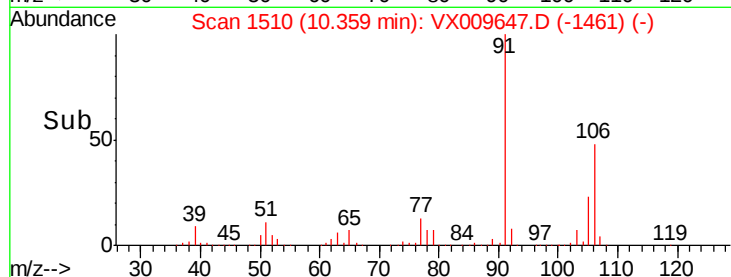
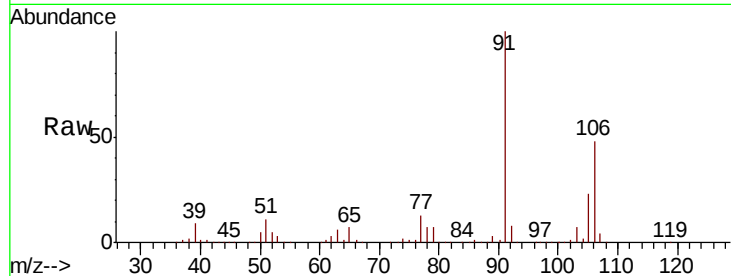




#68
m/p-Xylenes
Concen: 101.033 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

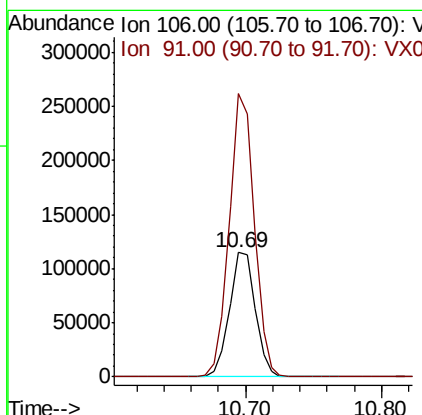
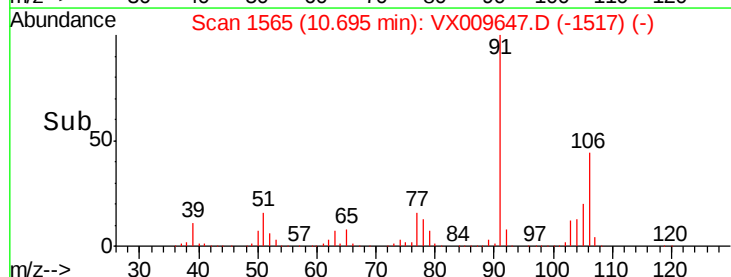
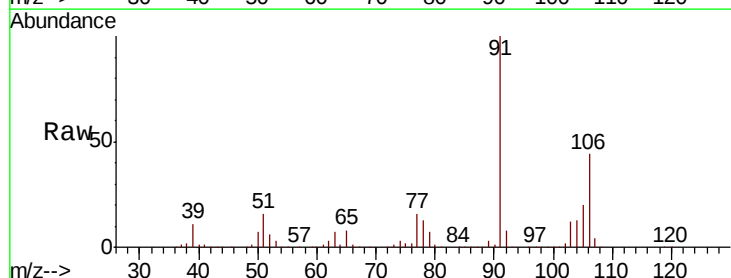
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

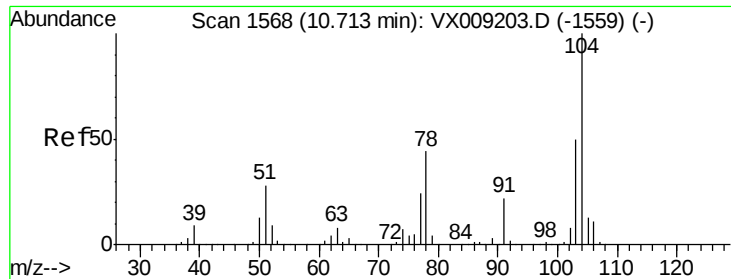
Tot Ion:106 Resp: 311957
Ion Ratio Lower Upper
106 100
91 208.0 164.0 246.0



#69
o-Xylene
Concen: 49.894 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion:106 Resp: 151999
Ion Ratio Lower Upper
106 100
91 221.1 109.5 328.4





#70

Stvrene

Concen: 48.004 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

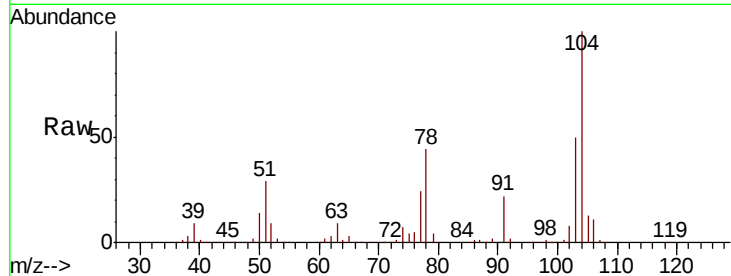
Tot Ion:104 Resp: 254178

Ion Ratio Lower Upper

104 100

78 53.0 41.0 61.4

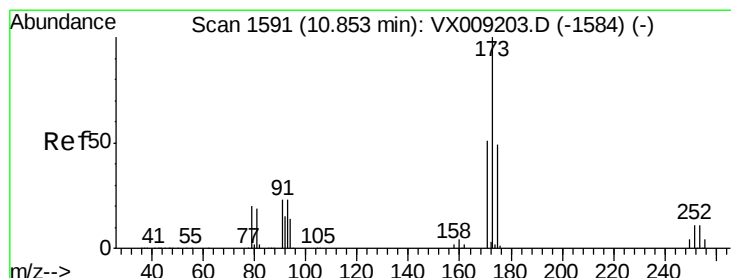
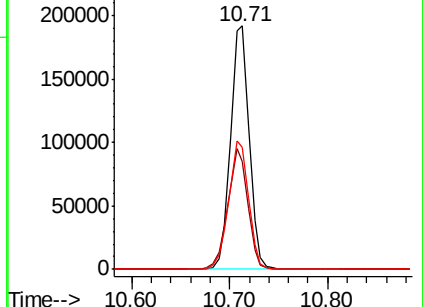
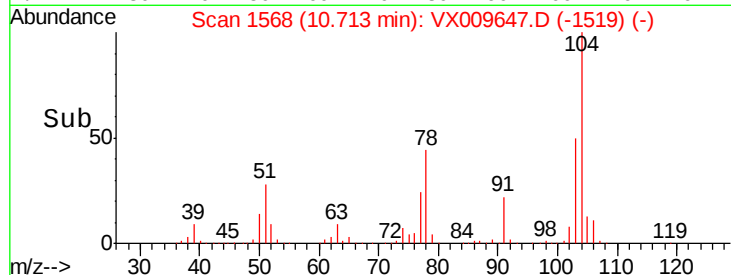
103 56.3 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 52.596 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

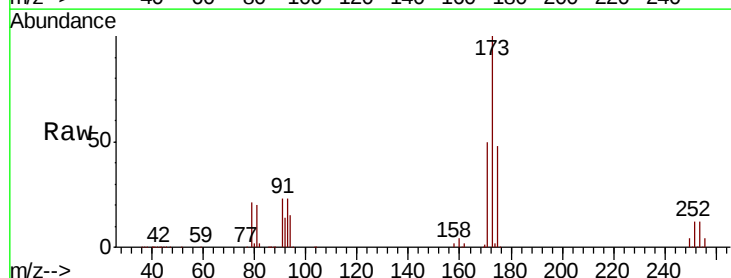
Tgt Ion:173 Resp: 71143

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

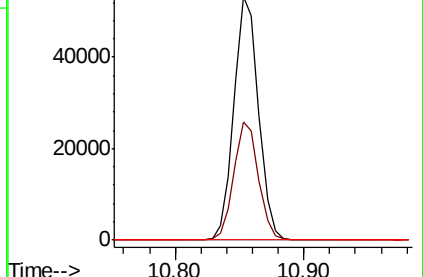
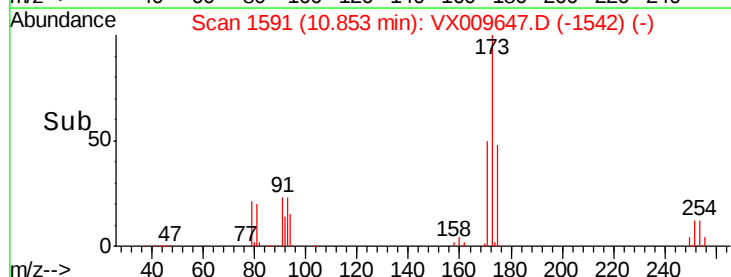
254 0.2 0.1 0.1#

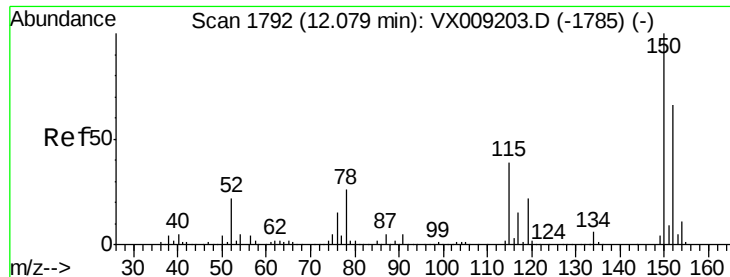


Abundance Ion 172.70 (172.40 to 173.40): V

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: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

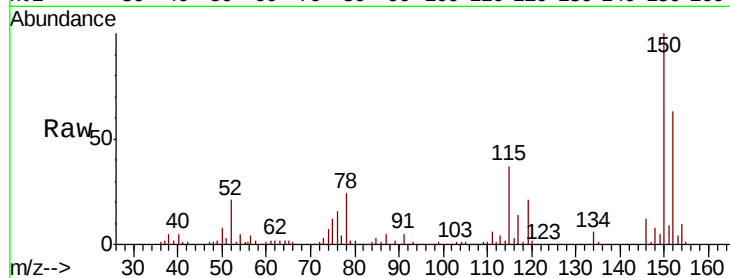
Tot Ion:152 Resp: 115464

Ion Ratio Lower Upper

152 100

115 80.6 41.2 123.6

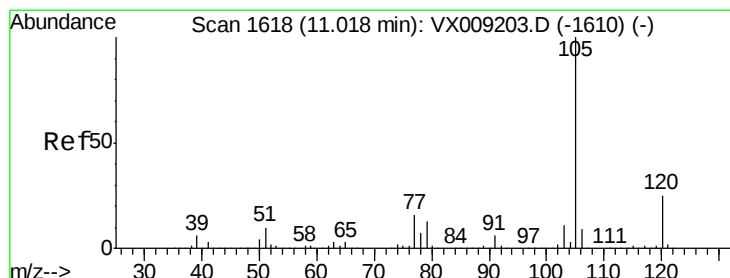
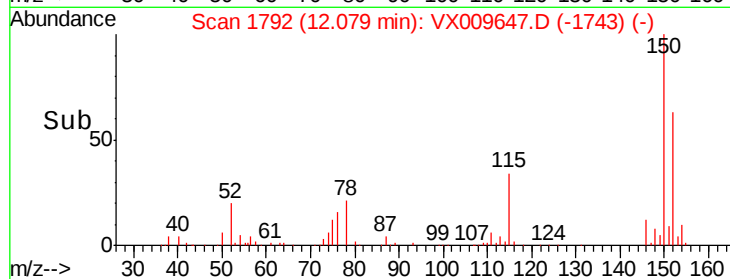
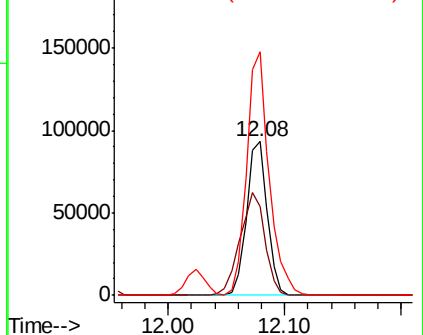
150 172.5 0.0 346.4



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: 48.765 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009647.D

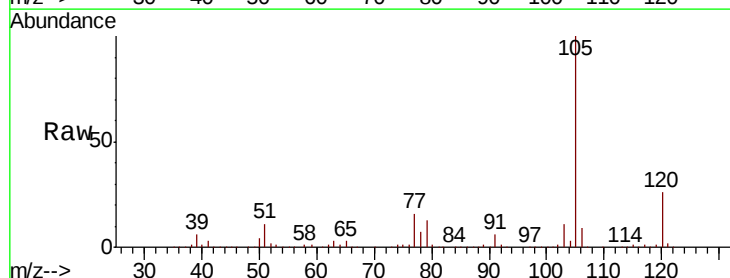
Acq: 17 May 2019 07:33

Tgt Ion:105 Resp: 409449

Ion Ratio Lower Upper

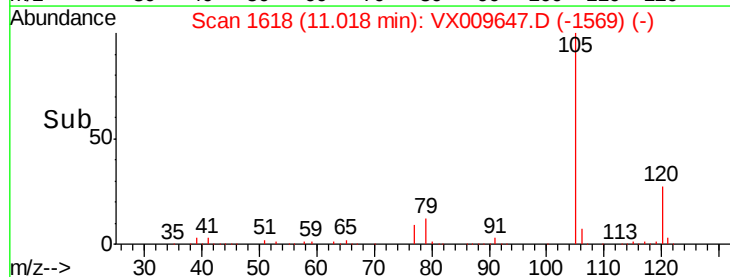
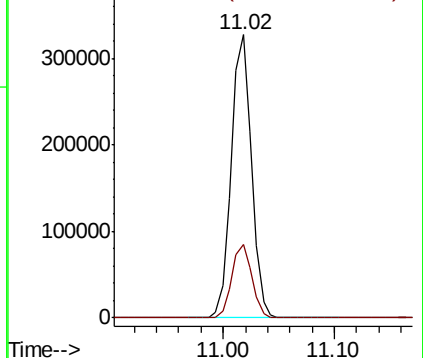
105 100

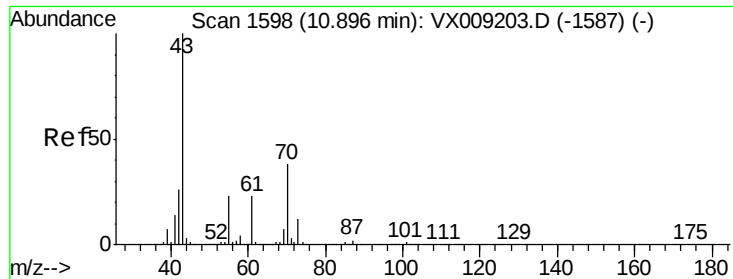
120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.165 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

Tot Ion: 43 Resp: 230884

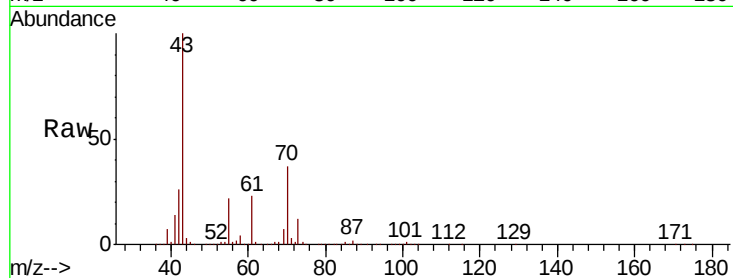
Ion Ratio Lower Upper

43 100

70 36.3 30.0 45.0

55 22.6 17.9 26.9

61 22.2 18.4 27.6

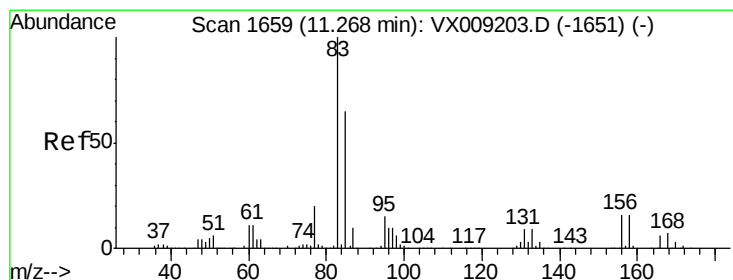
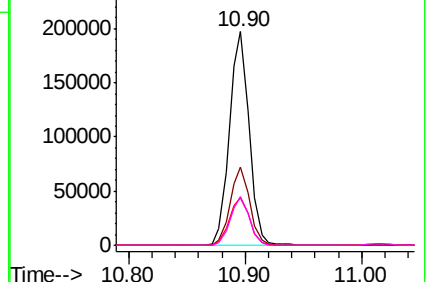
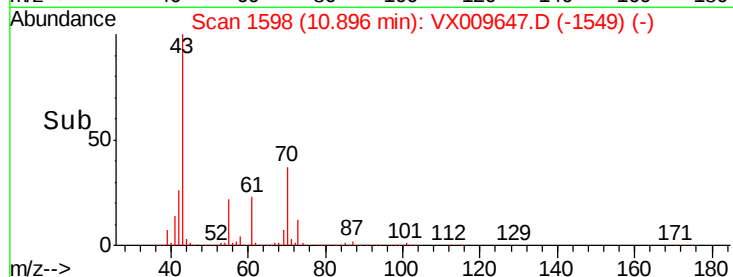


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.311 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

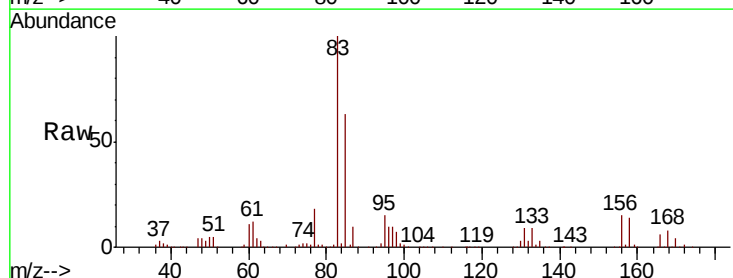
Tgt Ion: 83 Resp: 157477

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

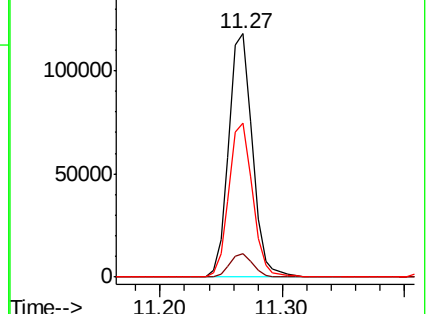
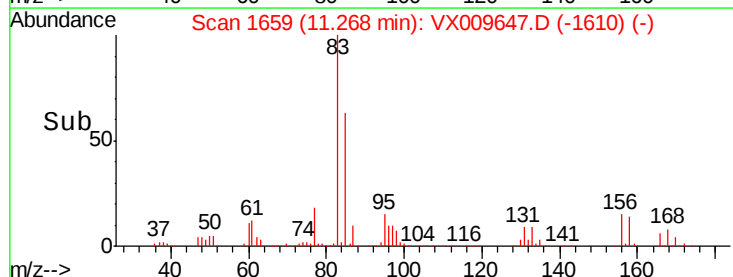
85 63.8 32.0 96.2

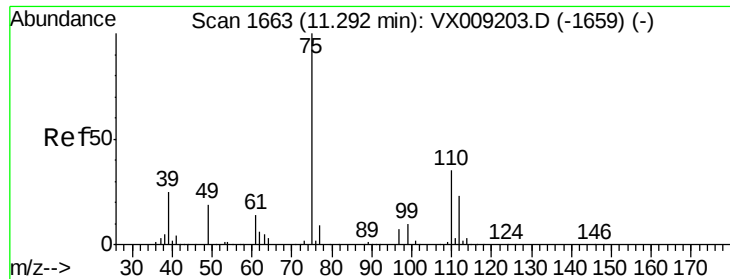


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

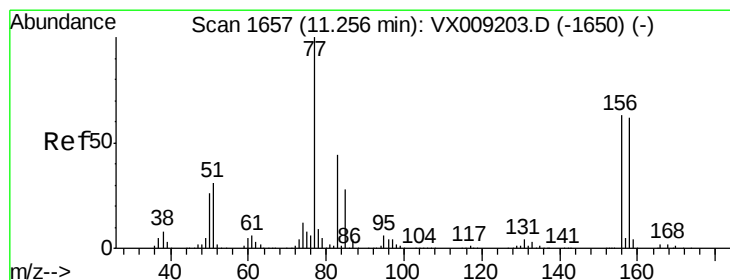
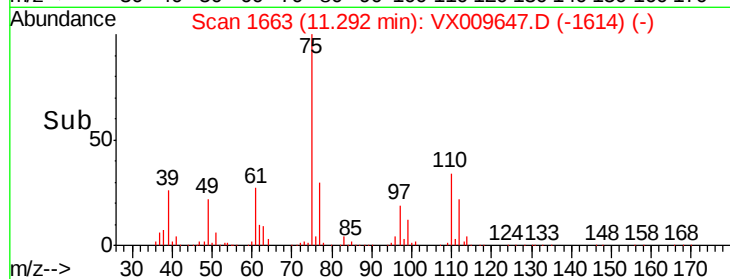
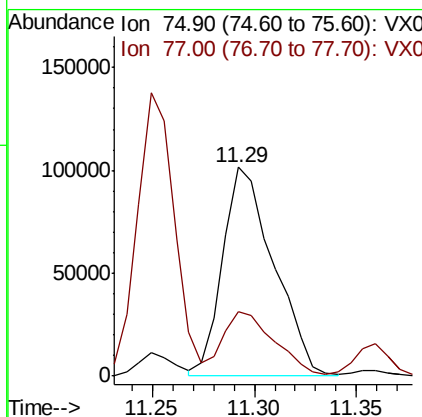
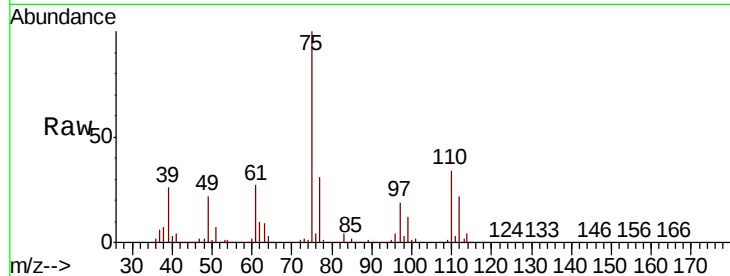




#76
1,2,3-Trichloropropane
Concen: 65.887 ug/l
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

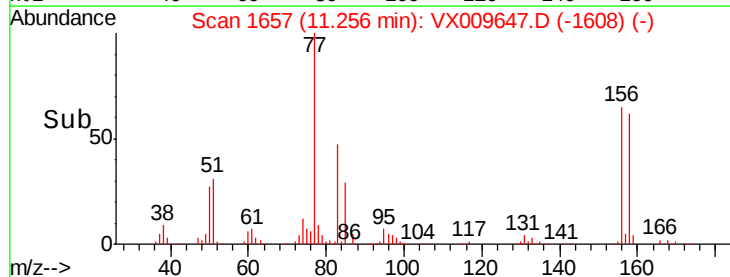
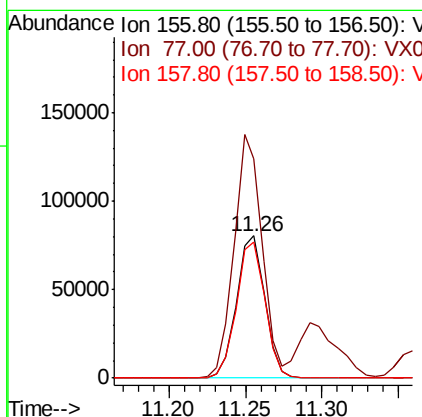
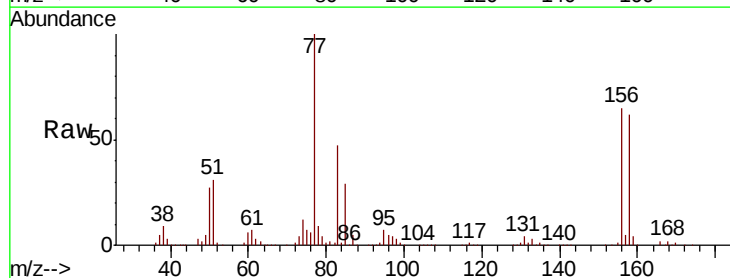
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

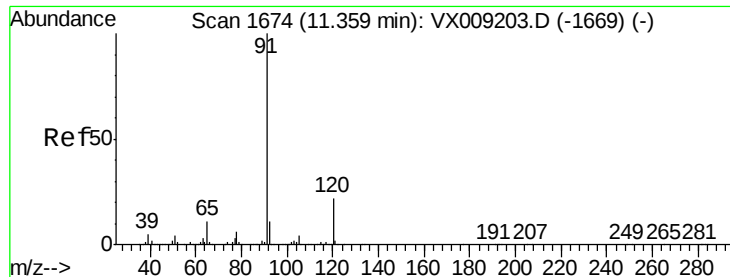
Tot Ion: 75 Resp: 176467
Ion Ratio Lower Upper
75 100
77 31.1 22.1 66.1



#77
Bromobenzene
Concen: 49.332 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 156 Resp: 102809
Ion Ratio Lower Upper
156 100
77 169.5 84.8 254.3
158 97.0 49.1 147.3





#78

n-propylbenzene

Concen: 49.375 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

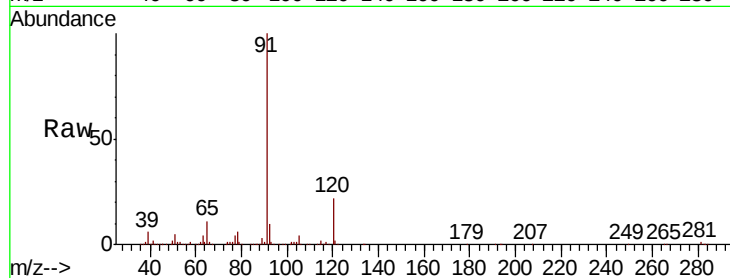
SS052MW749-190514MS

Tot Ion: 91 Resp: 473461

Ion Ratio Lower Upper

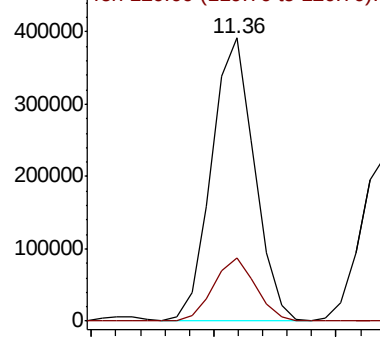
91 100

120 22.1 11.0 33.0

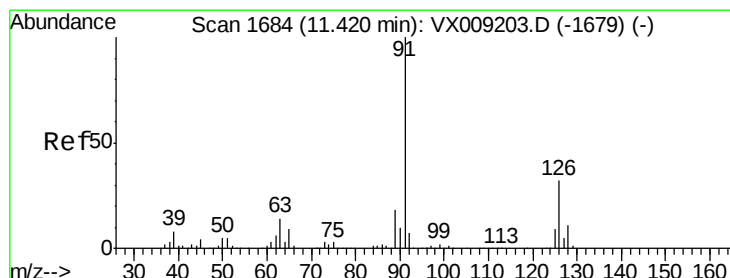
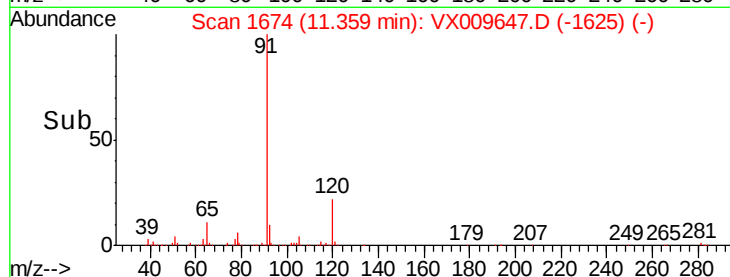


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 48.063 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009647.D

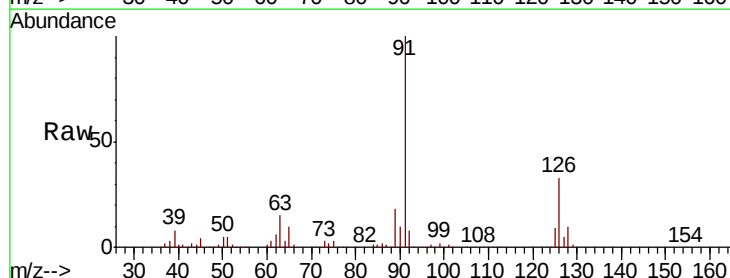
Acq: 17 May 2019 07:33

Tgt Ion: 91 Resp: 284343

Ion Ratio Lower Upper

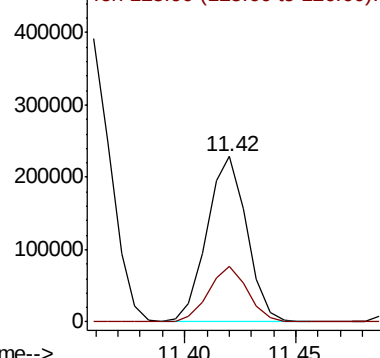
91 100

126 32.8 16.3 48.9

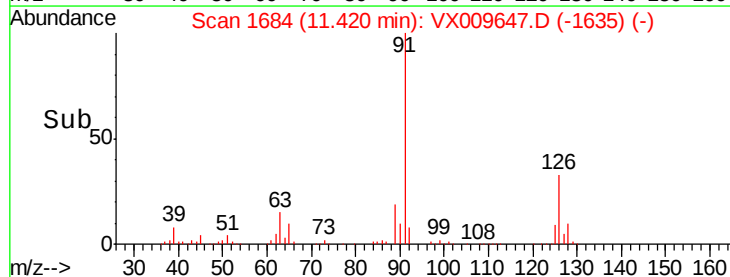


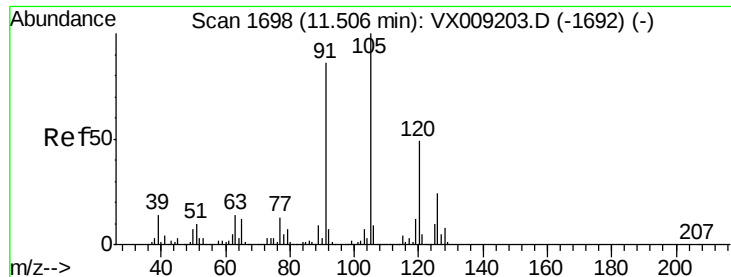
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45

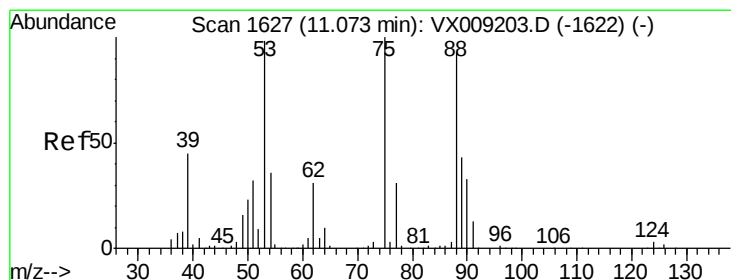
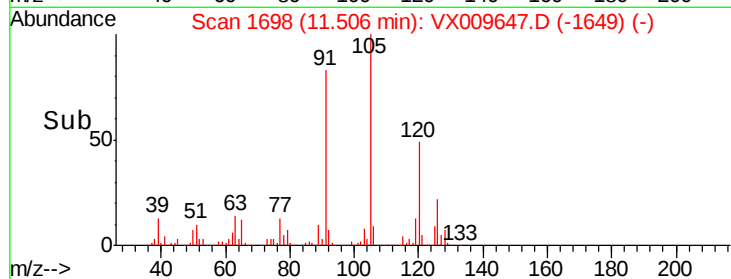
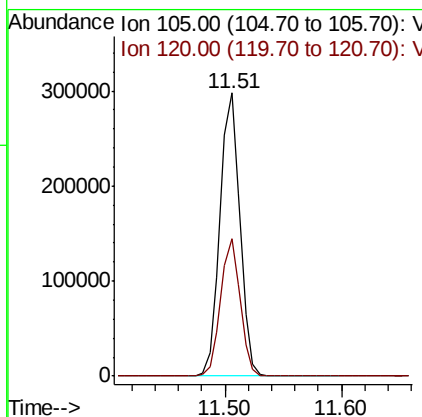
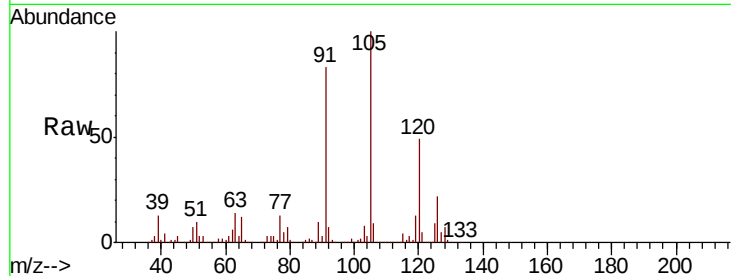




#80
 1,3,5-Trimethylbenzene
 Concen: 49.520 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

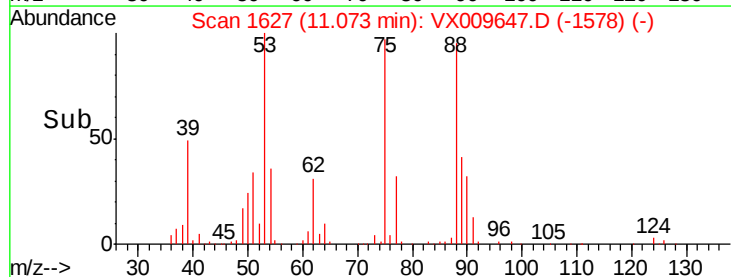
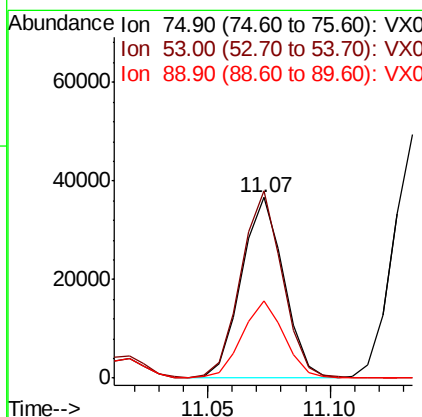
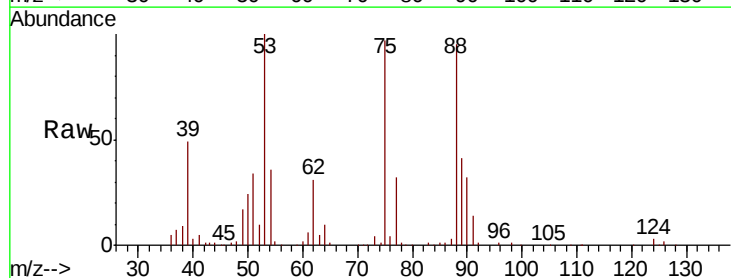
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

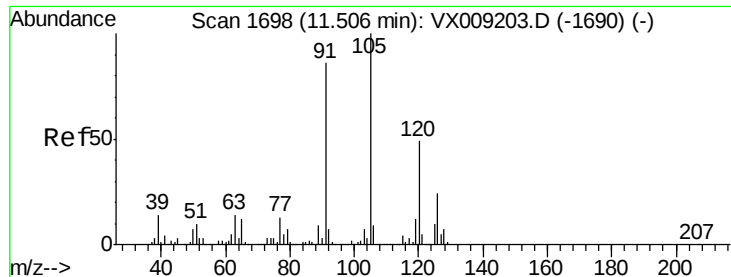
Tot Ion:105 Resp: 350099
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.898 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion: 75 Resp: 43858
 Ion Ratio Lower Upper
 75 100
 53 101.6 79.0 118.6
 89 42.9 34.7 52.1

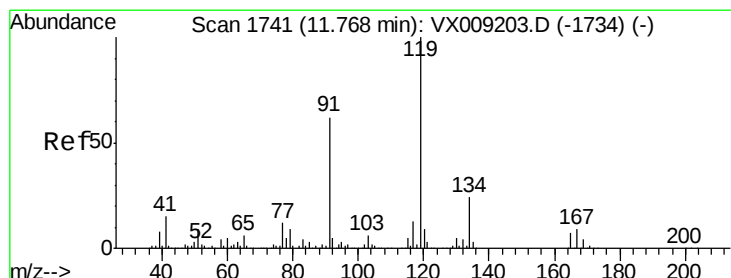
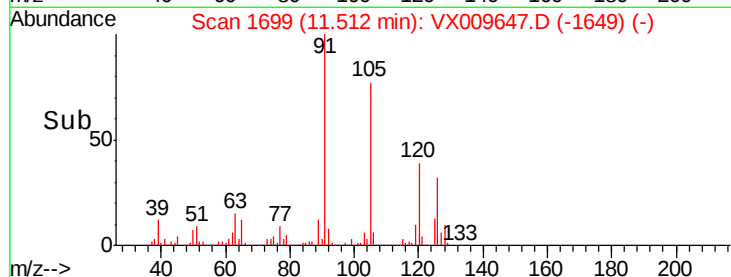
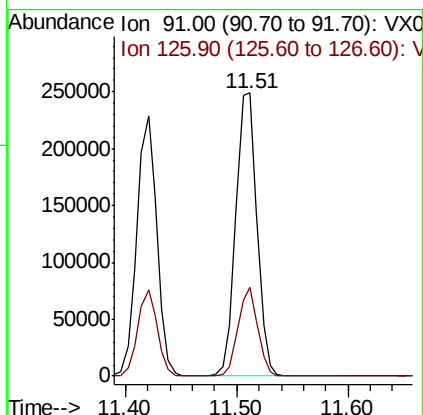
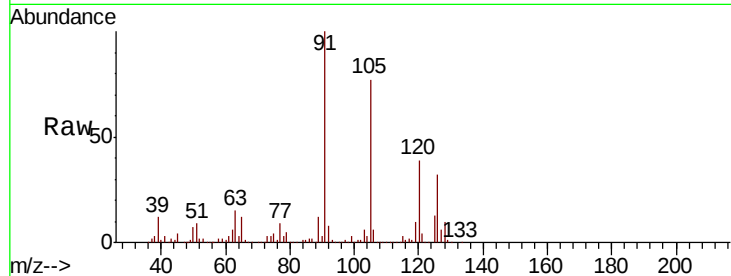




#82
4-Chlorotoluene
Concen: 48.990 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

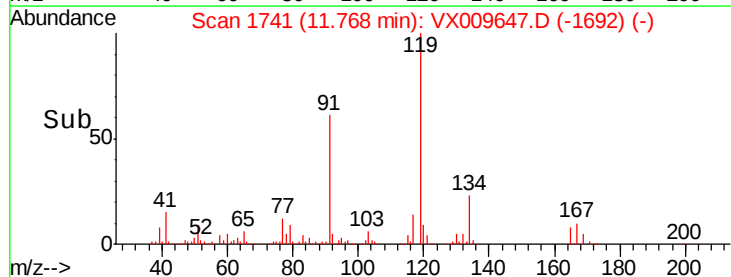
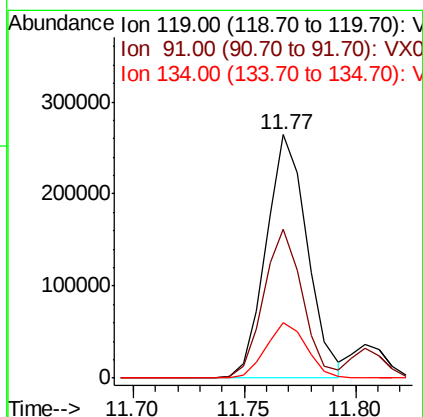
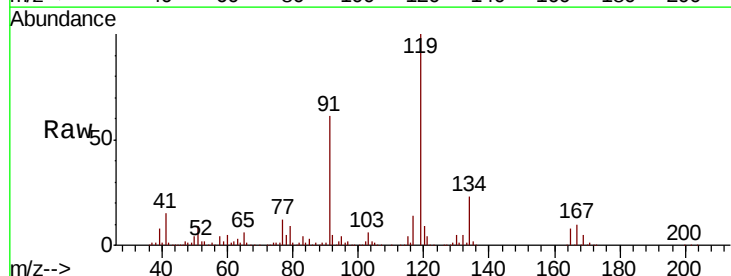
Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MS

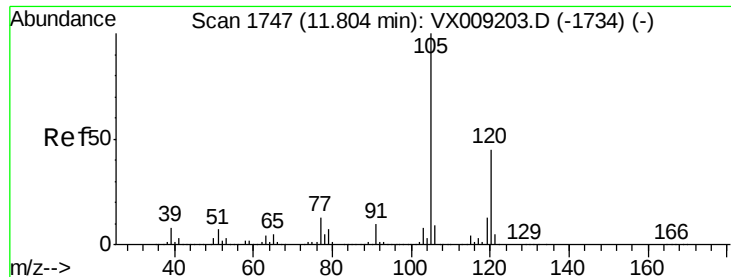
Tot Ion: 91 Resp: 327416
Ion Ratio Lower Upper
91 100
126 29.1 14.5 43.6



#83
tert-Butylbenzene
Concen: 49.419 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009647.D
Acq: 17 May 2019 07:33

Tgt Ion: 119 Resp: 339879
Ion Ratio Lower Upper
119 100
91 58.3 29.5 88.5
134 22.4 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 49.584 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

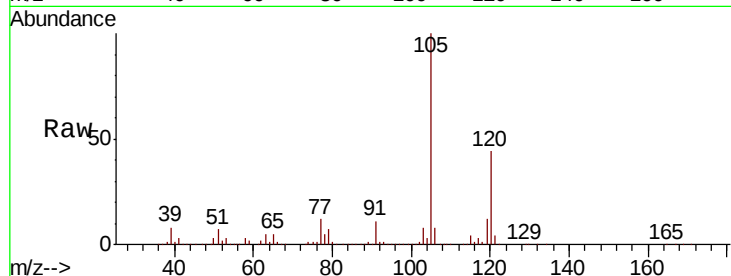
SS052MW749-190514MS

Tot Ion:105 Resp: 351859

Ion Ratio Lower Upper

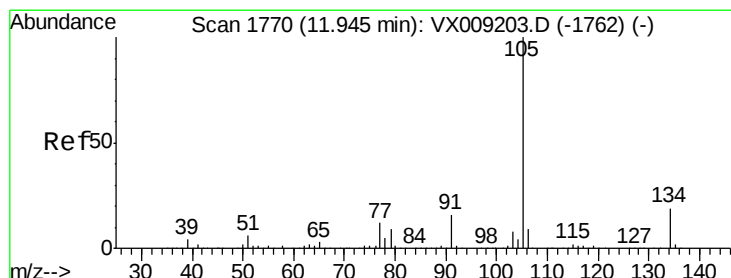
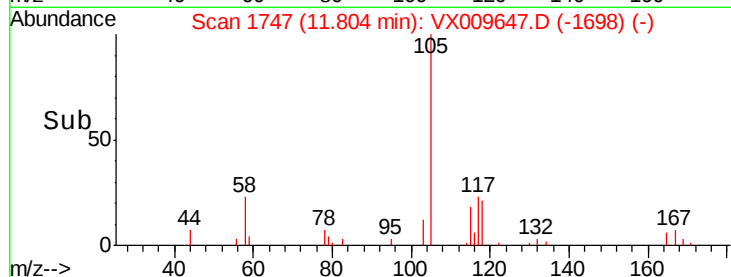
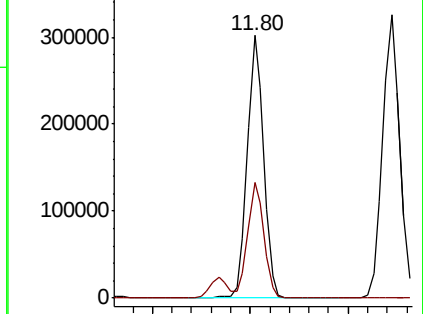
105 100

120 43.4 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 48.388 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009647.D

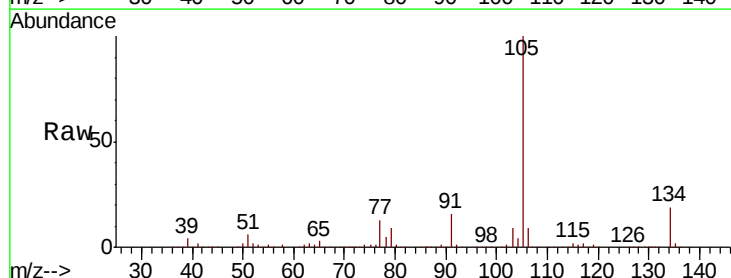
Acq: 17 May 2019 07:33

Tgt Ion:105 Resp: 394542

Ion Ratio Lower Upper

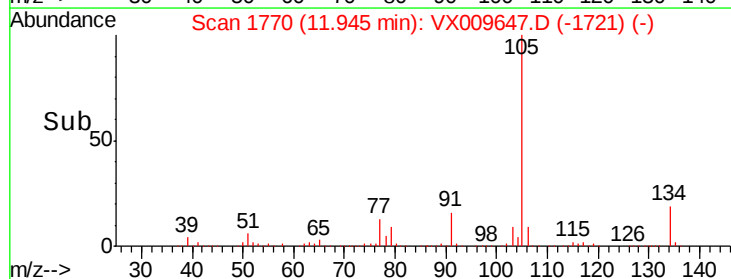
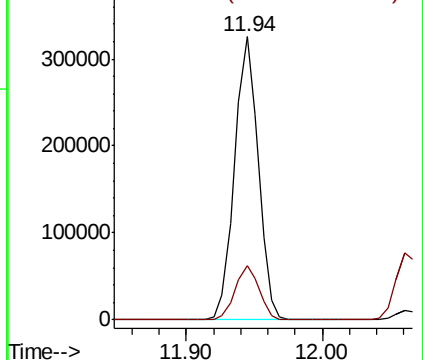
105 100

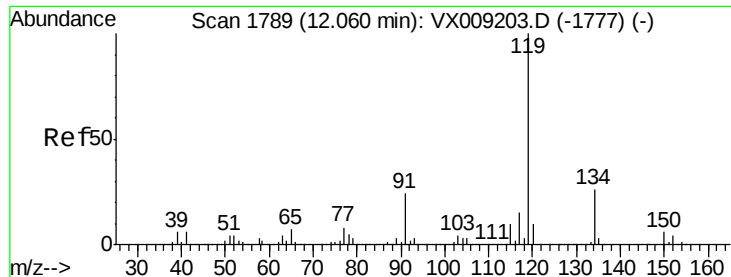
134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

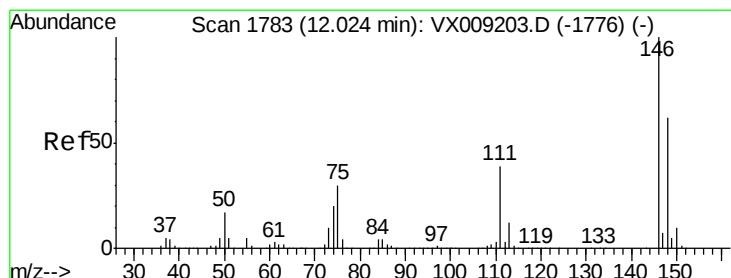
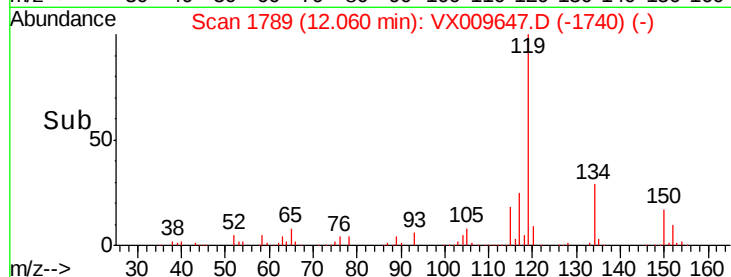
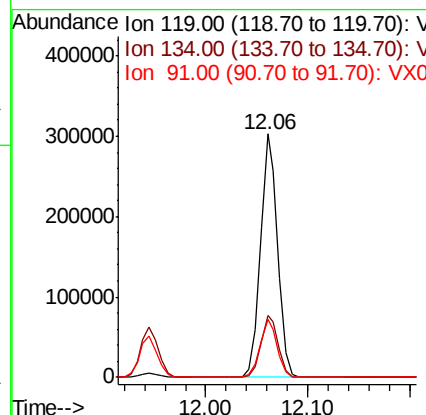
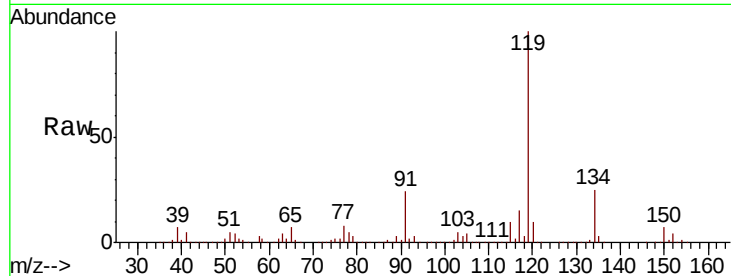




#86
 p-Isopropyltoluene
 Concen: 48.964 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

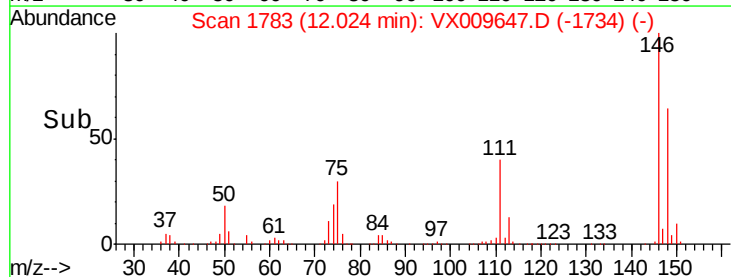
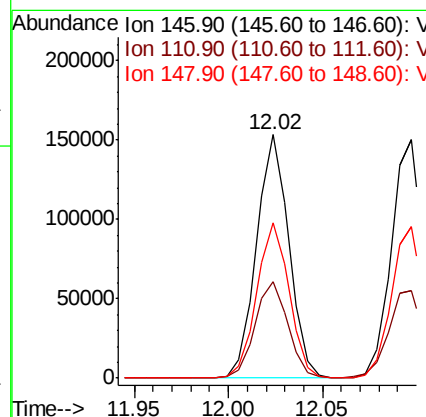
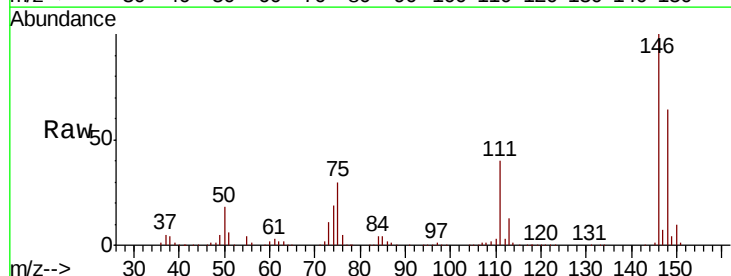
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MS

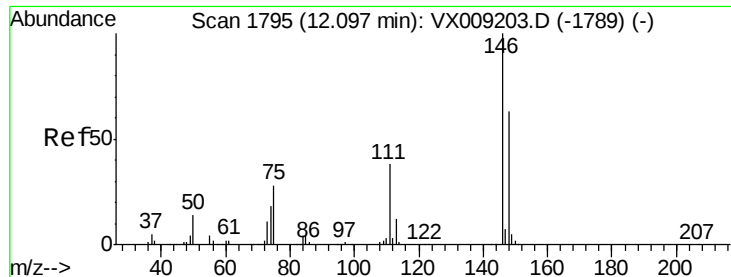
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.7
91	23.9	11.8	35.4



#87
 1,3-Dichlorobenzene
 Concen: 49.142 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009647.D
 Acq: 17 May 2019 07:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	64.1	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 49.055 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

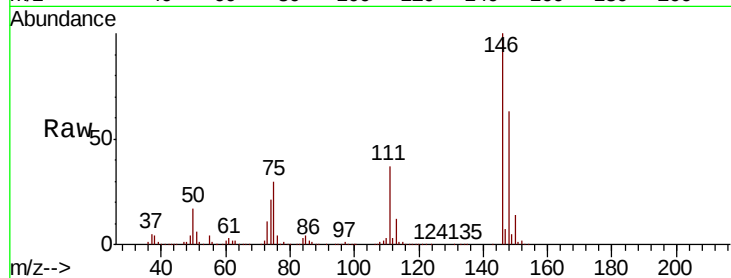
Tot Ion:146 Resp: 183736

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.8

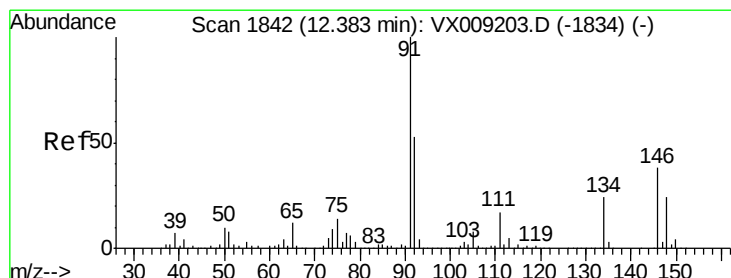
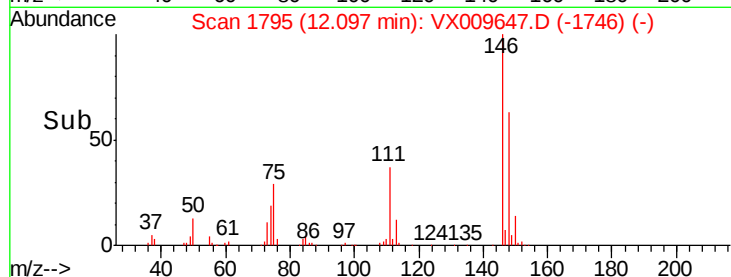
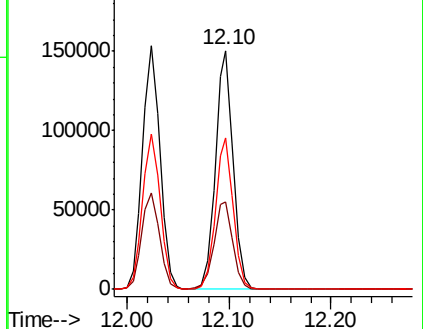
148 63.7 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 48.551 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

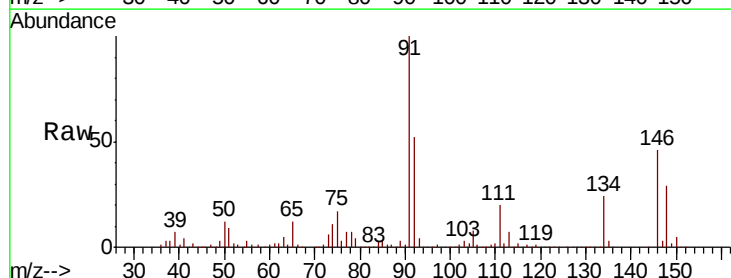
Tgt Ion: 91 Resp: 321661

Ion Ratio Lower Upper

91 100

92 53.1 26.5 79.5

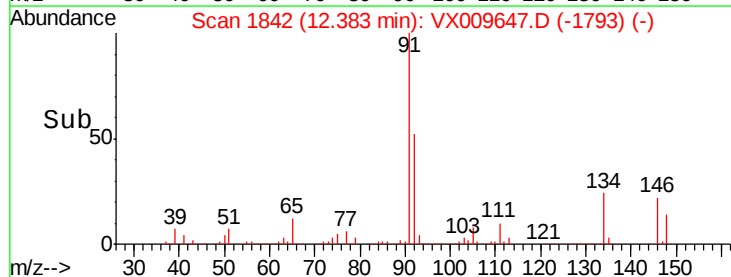
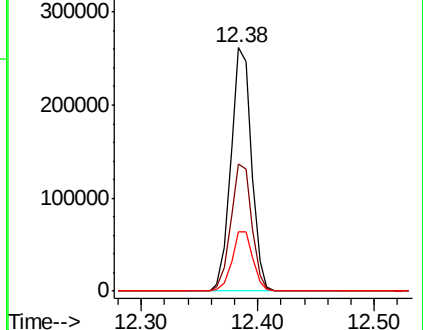
134 24.8 12.4 37.2

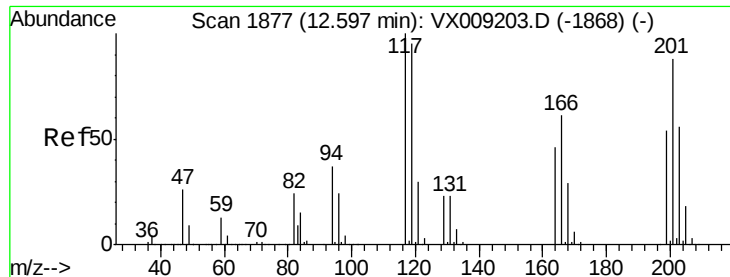


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 48.916 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

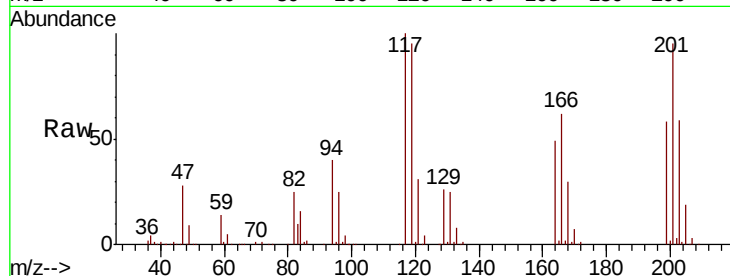
SS052MW749-190514MS

Tot Ion:117 Resp: 61087

Ion Ratio Lower Upper

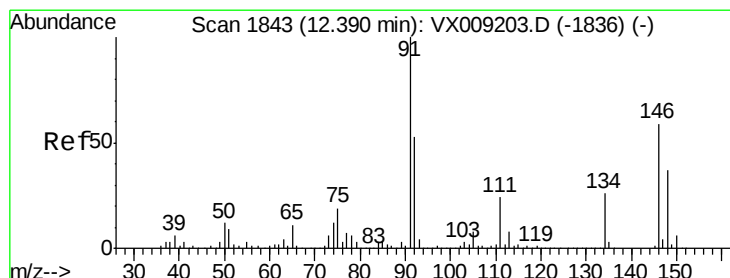
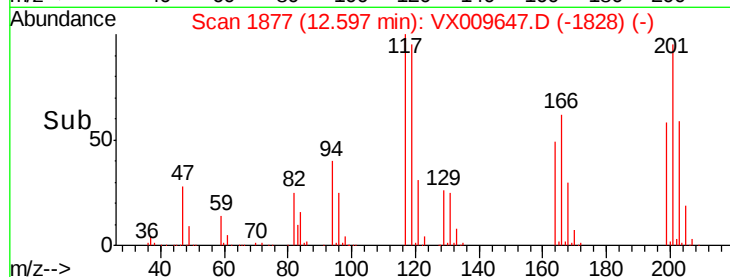
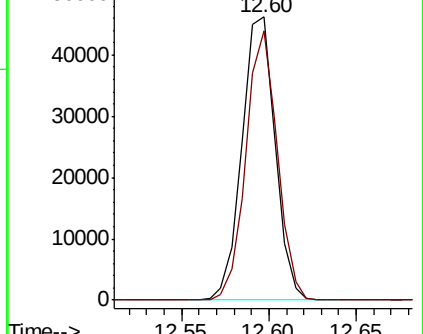
117 100

201 89.5 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.303 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

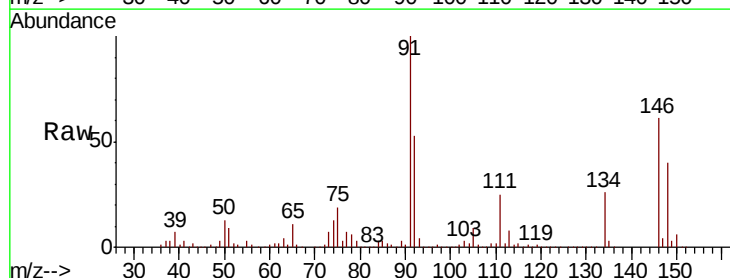
Tgt Ion:146 Resp: 186563

Ion Ratio Lower Upper

146 100

111 41.5 20.8 62.4

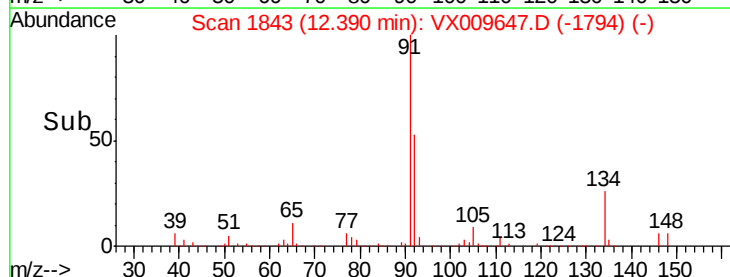
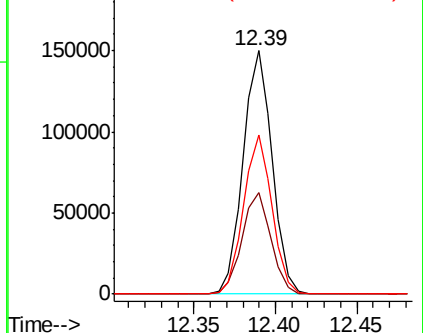
148 64.0 31.9 95.9

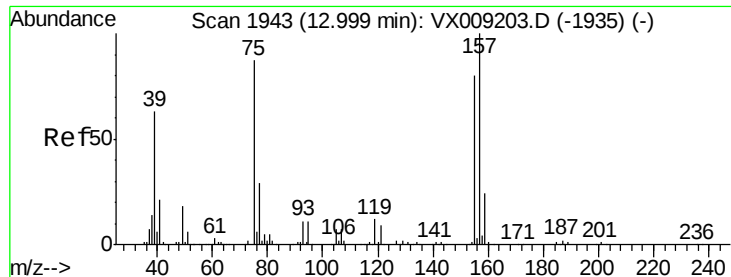


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.220 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

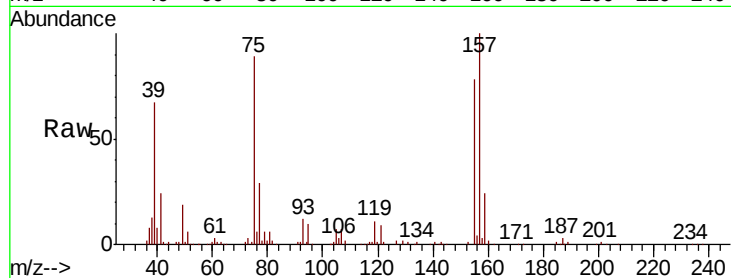
Tot Ion: 75 Resp: 35965

Ion Ratio Lower Upper

75 100

155 84.5 42.0 126.0

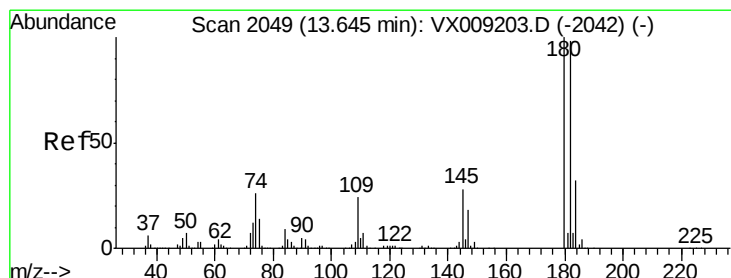
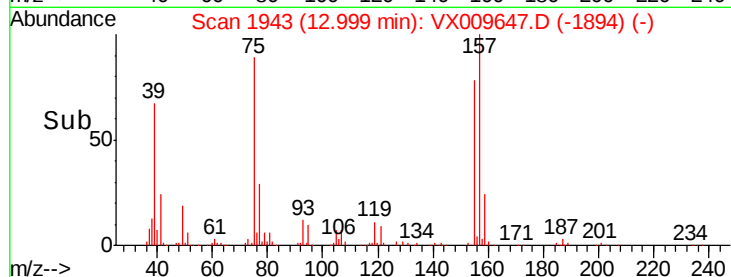
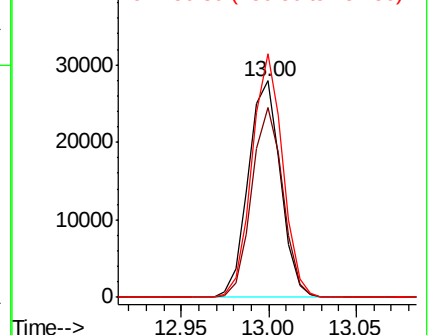
157 106.8 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 50.664 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

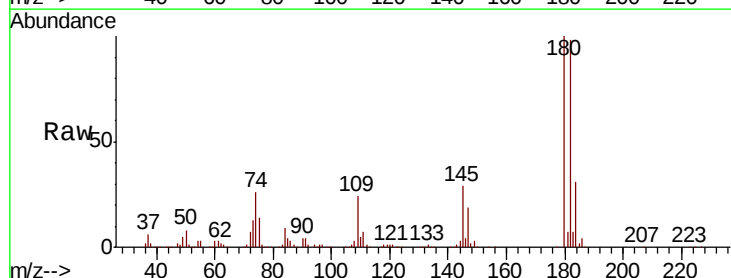
Tgt Ion: 180 Resp: 131101

Ion Ratio Lower Upper

180 100

182 96.6 48.4 145.2

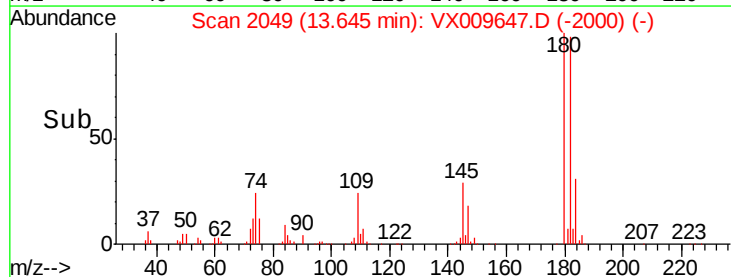
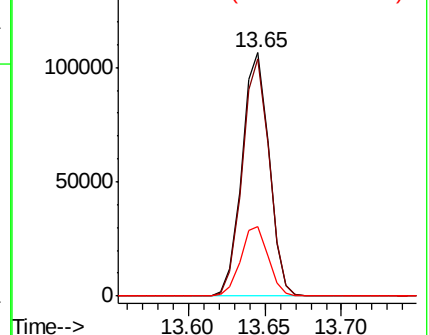
145 28.9 14.6 43.8

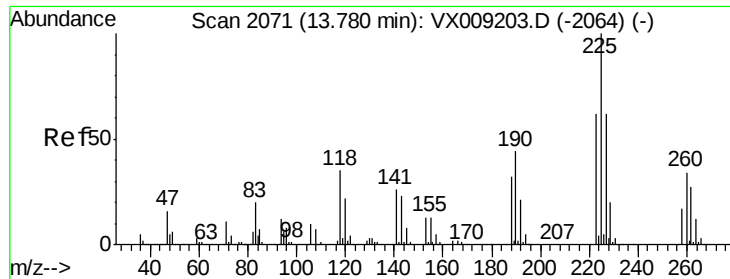


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 48.423 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

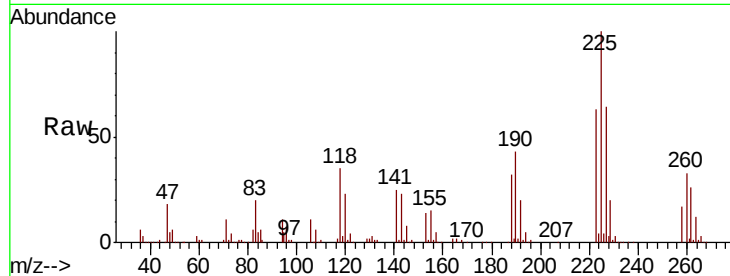
Tot Ion:225 Resp: 63987

Ion Ratio Lower Upper

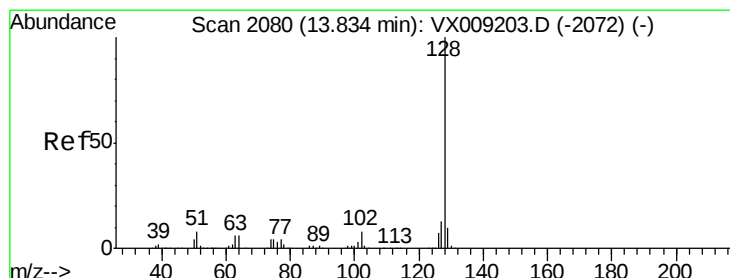
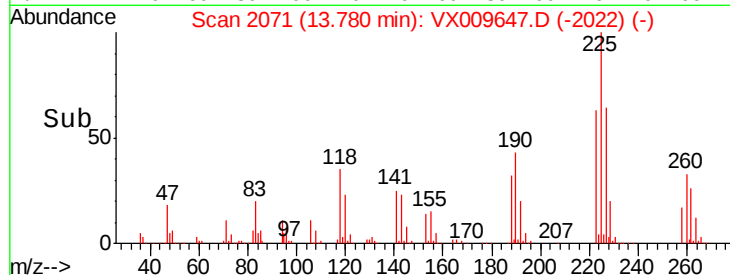
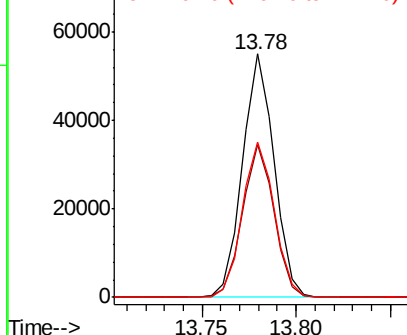
225 100

223 62.5 31.3 93.8

227 64.5 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.927 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

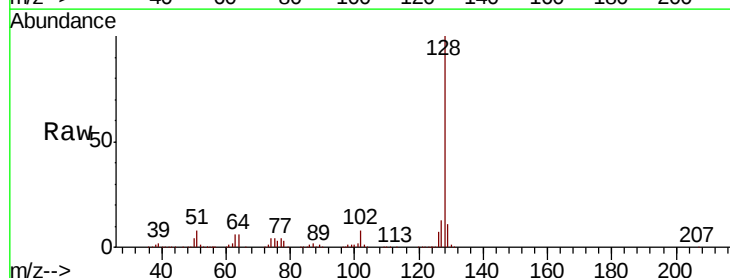
Tgt Ion:128 Resp: 428742

Ion Ratio Lower Upper

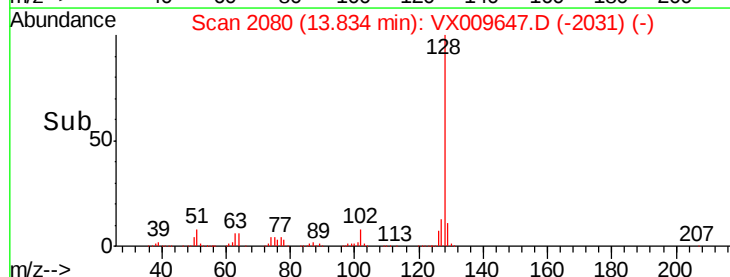
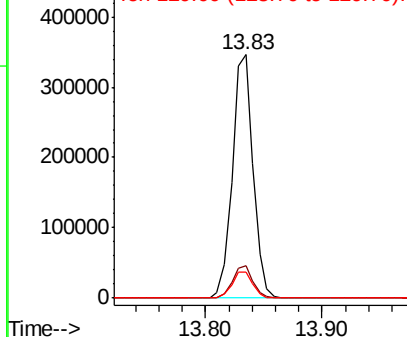
128 100

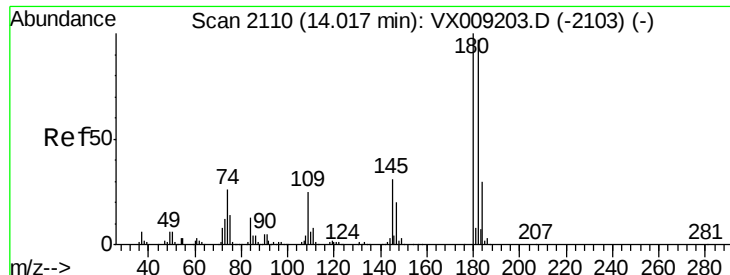
127 13.1 10.4 15.6

129 10.9 8.6 13.0



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: 50.847 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009647.D

Acq: 17 May 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MS

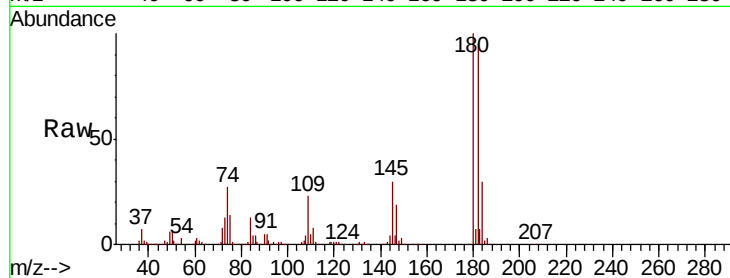
Tot Ion:180 Resp: 133373

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.4

145 30.5 15.4 46.4



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

