

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011044.D
 Acq On : 22 Jul 2019 20:30
 Operator : JC/SP
 Sample : K3921-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Quant Time: Jul 23 03:48:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	223905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126040	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	5.50	113	112608	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	8.71	98	418439	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	159563	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	117185	49.092	ug/l	99
3) Chloromethane	1.32	50	98169	47.678	ug/l	98
4) Vinyl Chloride	1.41	62	105441	50.205	ug/l	99
5) Bromomethane	1.64	94	53758	45.423	ug/l	99
6) Chloroethane	1.71	64	63701	47.728	ug/l	99
7) Trichlorofluoromethane	1.92	101	179937	50.614	ug/l	100
8) Diethyl Ether	2.19	74	60251	49.189	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101217	49.864	ug/l	100
10) Methyl Iodide	2.51	142	134710	50.571	ug/l	99
11) Tert butyl alcohol	3.06	59	129727	233.849	ug/l	98
12) 1,1-Dichloroethene	2.37	96	99633	49.957	ug/l	97
13) Acrolein	2.29	56	74788	233.338	ug/l	97
14) Allyl chloride	2.73	41	144684	49.944	ug/l	99
15) Acrylonitrile	3.14	53	291962	260.454	ug/l	99
16) Acetone	2.45	43	248022	230.540	ug/l	97
17) Carbon Disulfide	2.57	76	235794	46.091	ug/l	100
18) Methyl Acetate	2.78	43	113670	46.402	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	335455	52.249	ug/l	98
20) Methylene Chloride	2.85	84	110676	48.544	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	103797	49.050	ug/l	96
22) Diisopropyl ether	3.85	45	308487	50.491	ug/l	96
23) Vinyl Acetate	3.81	43	1205642	232.894	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178771	50.383	ug/l	100
25) 2-Butanone	4.68	43	399245	258.521	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125073	42.930	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	121698	49.692	ug/l	98
28) Bromochloromethane	5.02	49	80932	48.402	ug/l	99
29) Tetrahydrofuran	5.13	42	259194	264.958	ug/l	99
30) Chloroform	5.21	83	195369	50.940	ug/l	99
31) Cyclohexane	5.58	56	155455	48.066	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	173261	52.216	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139082	49.844	ug/l	99
37) Ethyl Acetate	4.84	43	134656	47.128	ug/l	99
38) Carbon Tetrachloride	5.79	117	151652	52.156	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170943	47.241	ug/l	100
40) Benzene	6.14	78	417570	48.853	ug/l	99
41) Methacrylonitrile	5.04	41	80216	49.455	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152555	51.332	ug/l	99
43) Isopropyl Acetate	6.45	43	231679	49.313	ug/l	99
44) Trichloroethene	7.21	130	123576	48.843	ug/l	95
45) 1,2-Dichloropropane	7.51	63	107681	49.497	ug/l	100
46) Dibromomethane	7.66	93	80663	51.889	ug/l	98
47) Bromodichloromethane	7.90	83	147352	53.250	ug/l	99
48) Methyl methacrylate	7.77	41	120610	52.698	ug/l	98
49) 1,4-Dioxane	7.74	88	57181	893.163	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	812367	266.740	ug/l	99
52) Toluene	8.78	92	276979	49.328	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	156651	52.648	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	167690	50.648	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	119324	51.611	ug/l	97
56) Ethyl methacrylate	9.18	69	182552	53.980	ug/l	99
57) 1,3-Dichloropropane	9.37	76	184930	50.422	ug/l	99
59) 2-Hexanone	9.49	43	633921	268.364	ug/l	100
60) Dibromochloromethane	9.58	129	129975	48.906	ug/l	100
61) 1,2-Dibromoethane	9.67	107	127207	51.845	ug/l	99
64) Tetrachloroethene	9.34	164	115958	47.005	ug/l	98
65) Chlorobenzene	10.13	112	315459	48.979	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	118421	52.315	ug/l	98
67) Ethyl Benzene	10.25	91	549024	50.080	ug/l	99
68) m/p-Xylenes	10.35	106	417286	99.229	ug/l	98
69) o-Xylene	10.69	106	206527	50.321	ug/l	100
70) Stvrene	10.71	104	353702	51.698	ug/l	99
71) Bromoform	10.85	173	99010	48.138	ug/l #	100
73) Isopropylbenzene	11.02	105	557391	50.244	ug/l	100
74) N-amyl acetate	10.90	43	200259	47.244	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	186971	51.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	208149	70.256	ug/l	83
77) Bromobenzene	11.26	156	149102	48.726	ug/l	96
78) n-propylbenzene	11.36	91	622412	50.777	ug/l	100
79) 2-Chlorotoluene	11.42	91	374469	50.855	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	470784	50.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53998	46.480	ug/l	99
82) 4-Chlorotoluene	11.51	91	436290	50.908	ug/l	99
83) tert-Butylbenzene	11.77	119	465909	51.169	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	475249	50.866	ug/l	98
85) sec-Butylbenzene	11.94	105	543457	50.937	ug/l	100
86) p-Isopropyltoluene	12.06	119	507612	51.463	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265510	49.998	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	266568	48.944	ug/l	98
89) n-Butylbenzene	12.38	91	431634	51.150	ug/l	99
90) Hexachloroethane	12.59	117	81174	52.177	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	261908	49.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41566	54.773	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	181365	50.848	ug/l	98

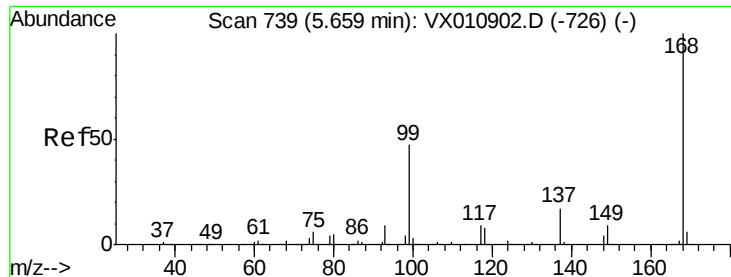
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	85880	48.587	ug/l	97
95) Naphthalene	13.83	128	564060	53.554	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	181958	51.271	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

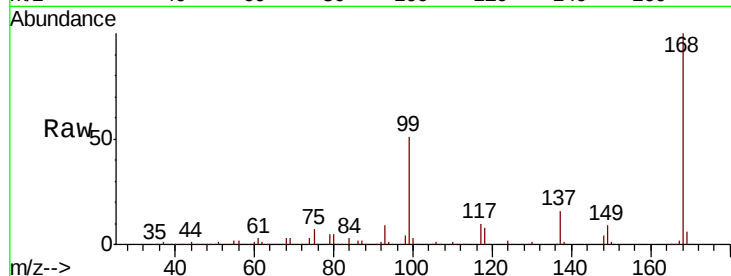
SU19-MSW0620MSD

Tot Ion:168 Resp: 223905

Ion Ratio Lower Upper

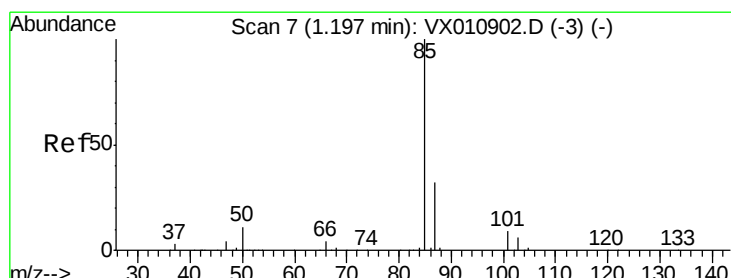
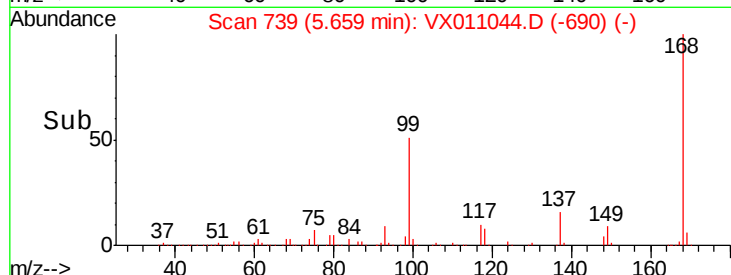
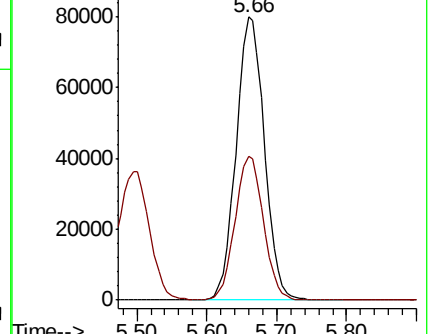
168 100

99 51.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.092 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011044.D

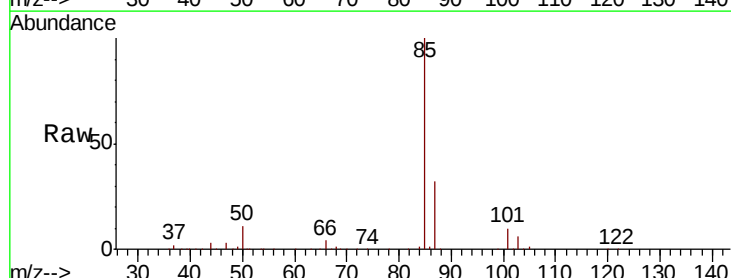
Acq: 22 Jul 2019 20:30

Tgt Ion: 85 Resp: 117185

Ion Ratio Lower Upper

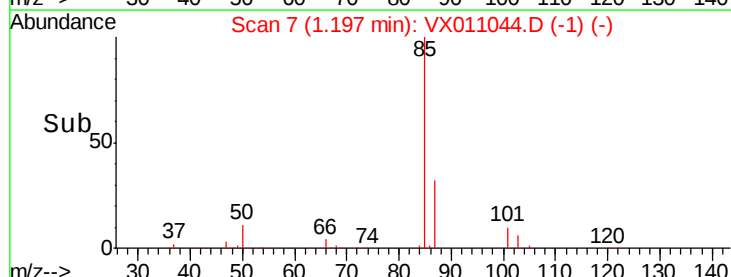
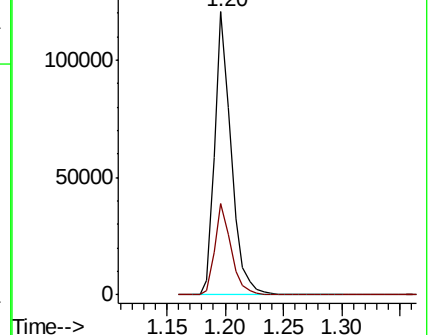
85 100

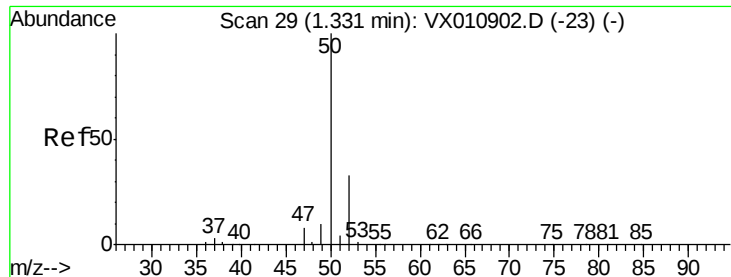
87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.678 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

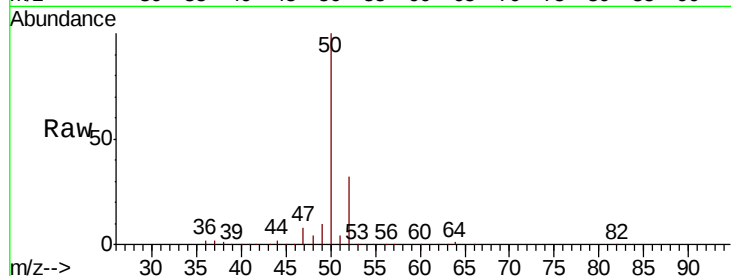
SU19-MSW0620MSD

Tot Ion: 50 Resp: 98169

Ion Ratio Lower Upper

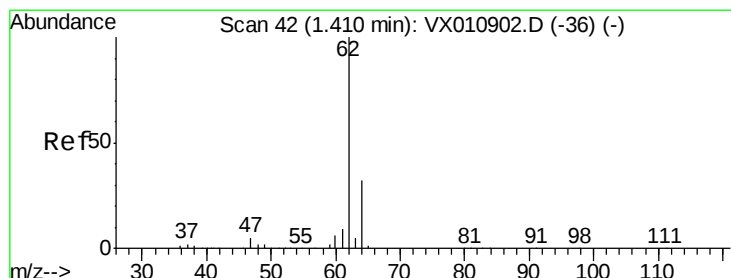
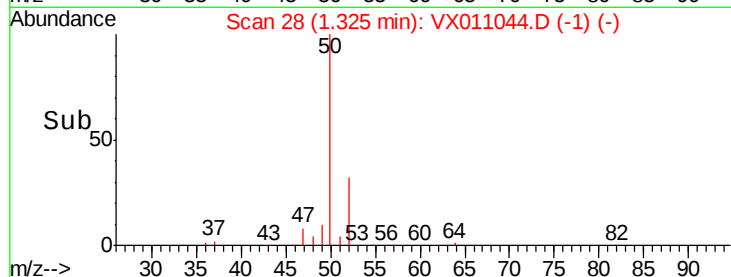
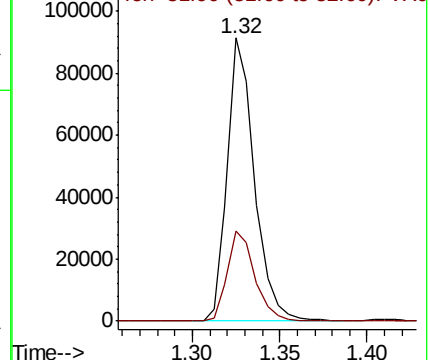
50 100

52 31.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.205 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011044.D

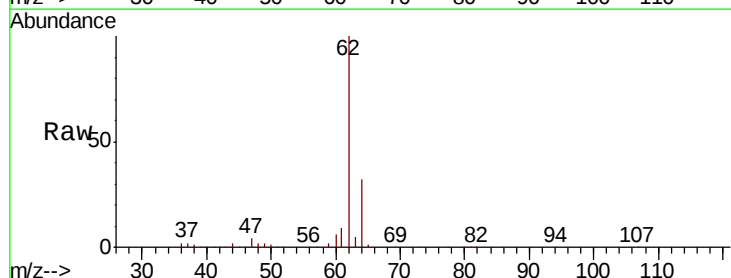
Acq: 22 Jul 2019 20:30

Tgt Ion: 62 Resp: 105441

Ion Ratio Lower Upper

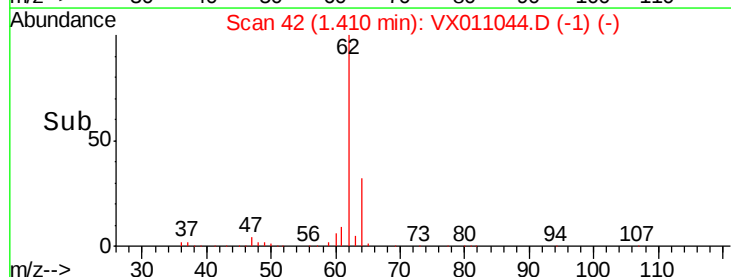
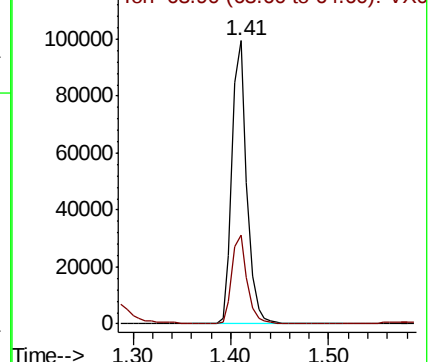
62 100

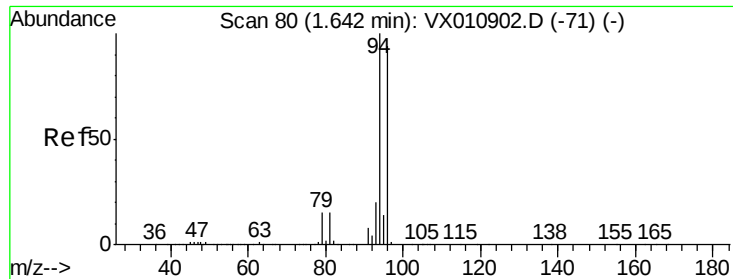
64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.423 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

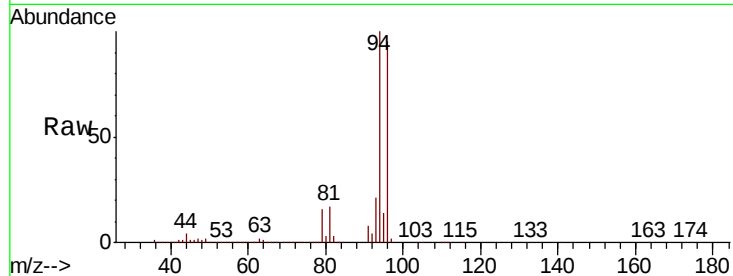
SU19-MSW0620MSD

Tot Ion: 94 Resp: 53758

Ion Ratio Lower Upper

94 100

96 95.5 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

30000

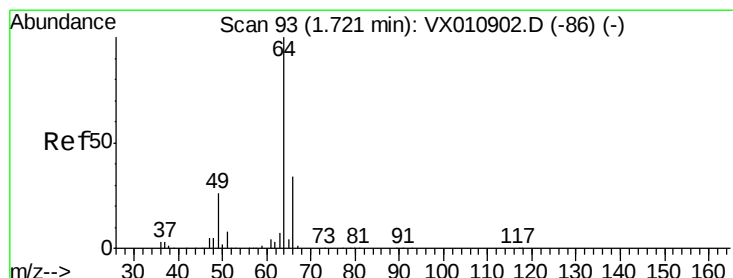
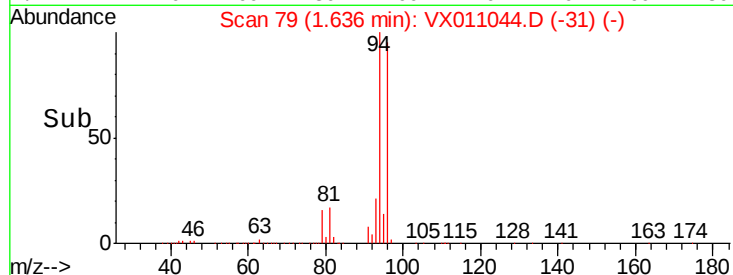
20000

10000

0

1.60 1.70

Time-->



#6

Chloroethane

Concen: 47.728 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011044.D

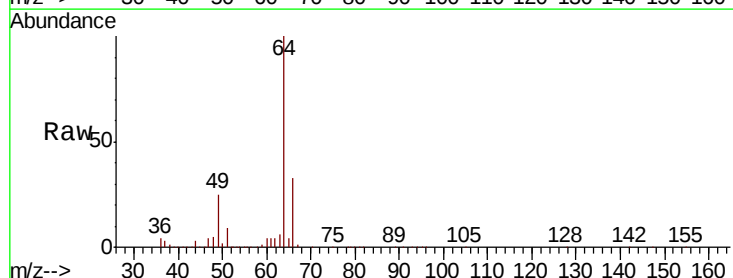
Acq: 22 Jul 2019 20:30

Tgt Ion: 64 Resp: 63701

Ion Ratio Lower Upper

64 100

66 33.4 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

30000

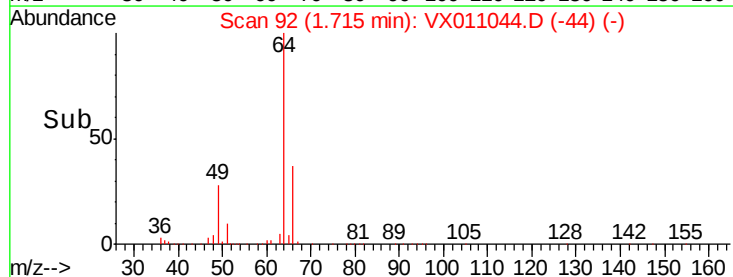
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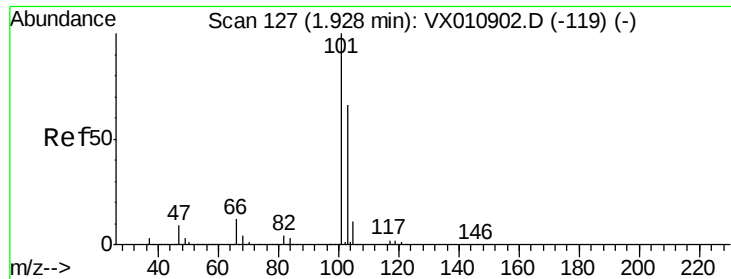
10000

0

1.60 1.65 1.70 1.75 1.80

Time-->



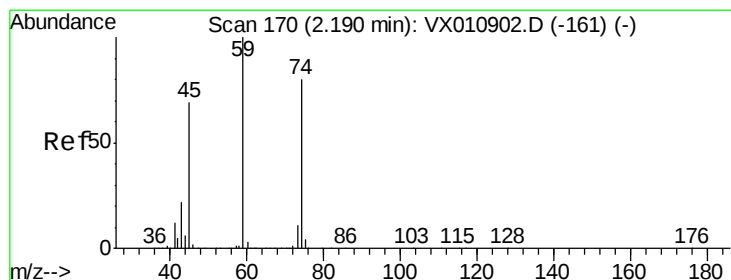
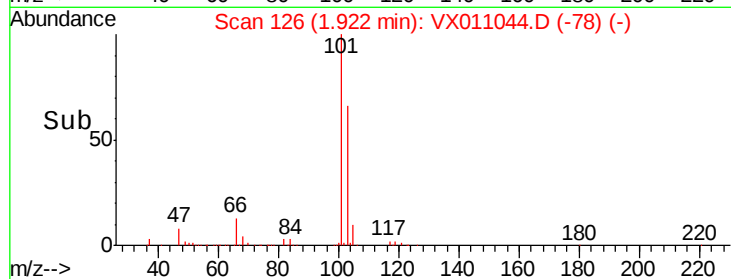
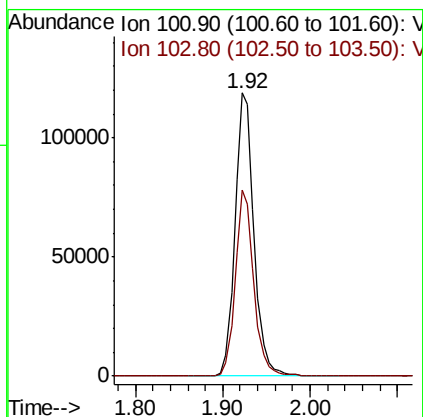
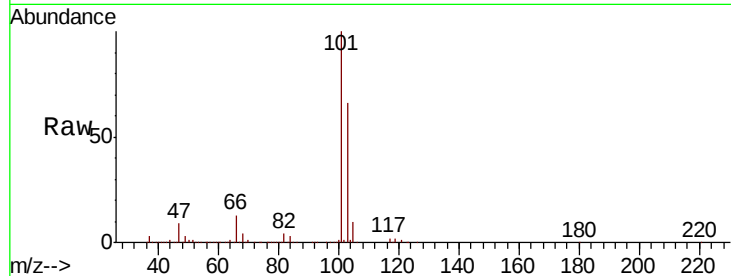


#7

Trichlorofluoromethane
 Concen: 50.614 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

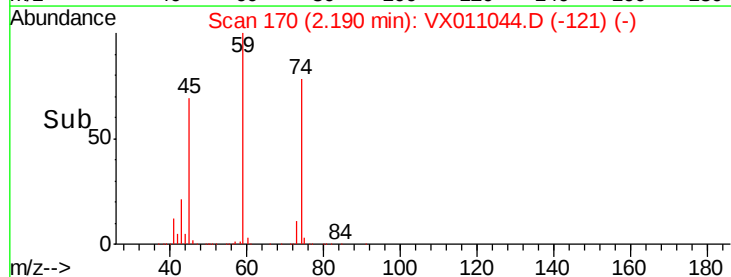
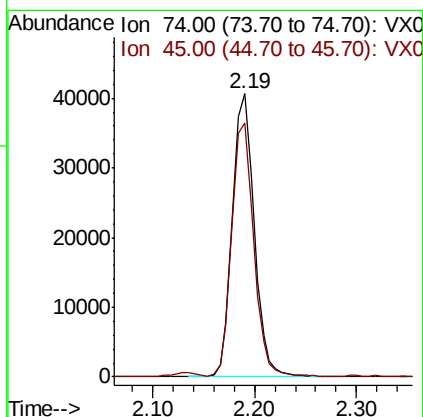
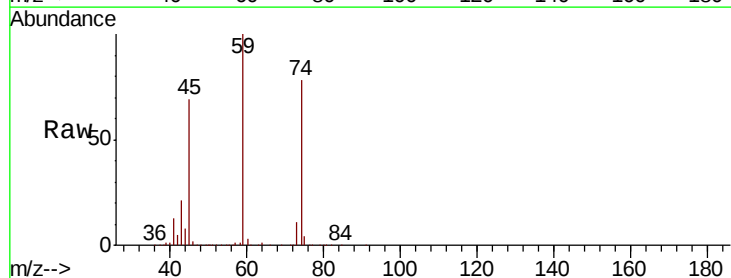
Tot Ion:101 Resp: 179937
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.6 78.8



#8

Diethyl Ether
 Concen: 49.189 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 74 Resp: 60251
 Ion Ratio Lower Upper
 74 100
 45 89.4 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.864 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

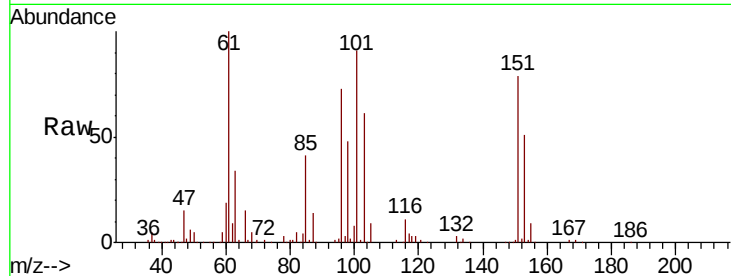
Tot Ion:101 Resp: 101217

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

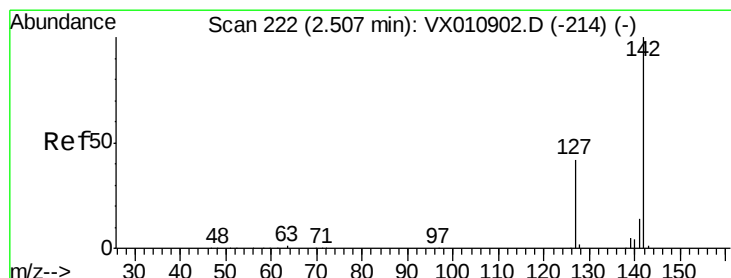
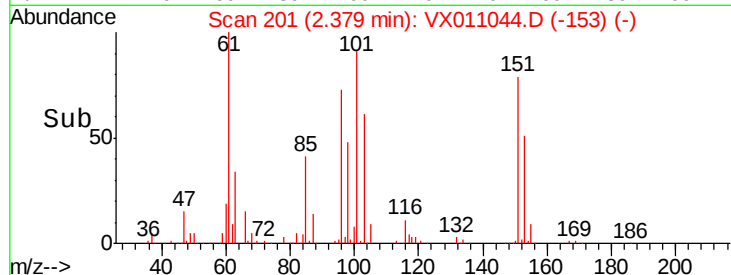
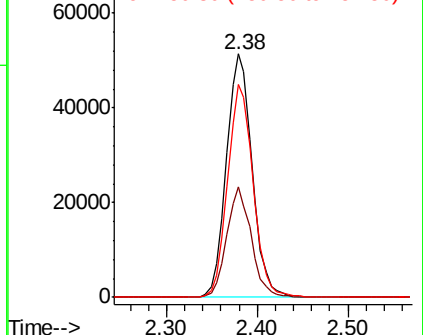
151 86.5 69.6 104.4



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: 50.571 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

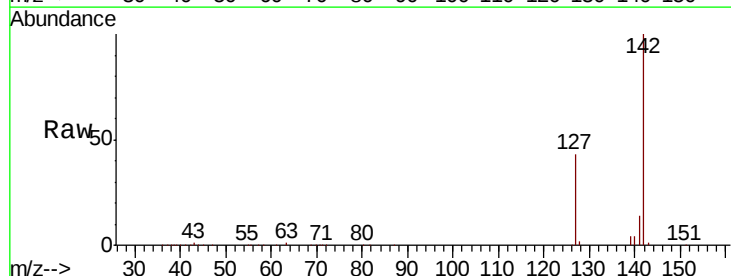
Tgt Ion:142 Resp: 134710

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.4

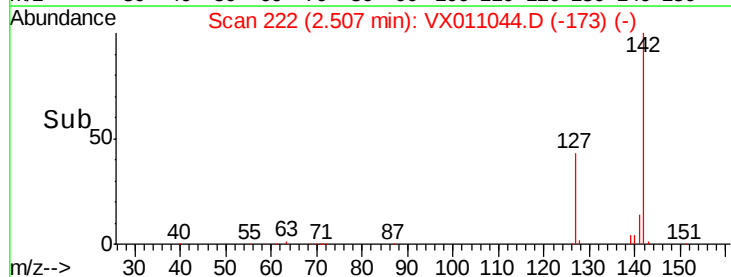
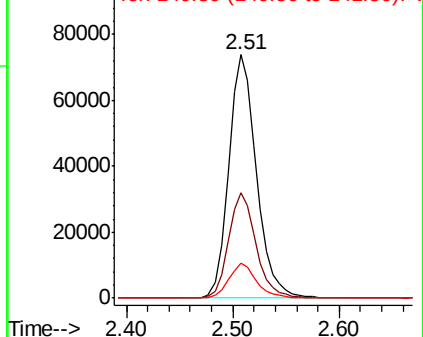
141 14.1 11.7 17.5



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



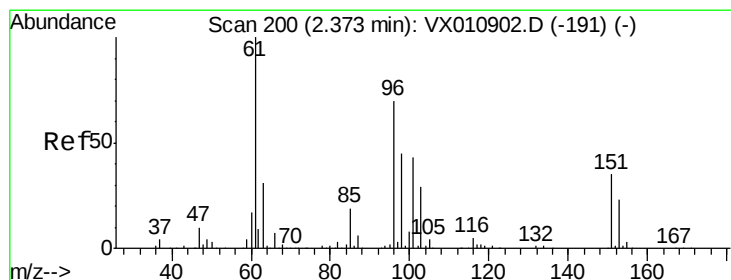
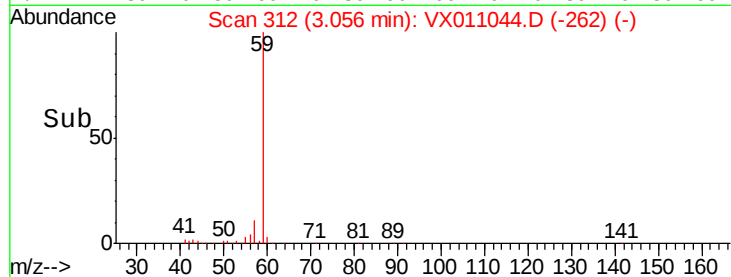
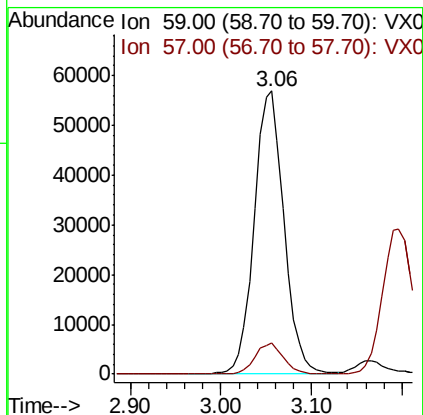
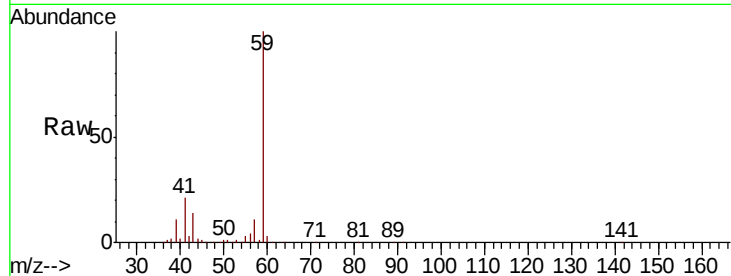


#11

Tert butyl alcohol
Concen: 233.849 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

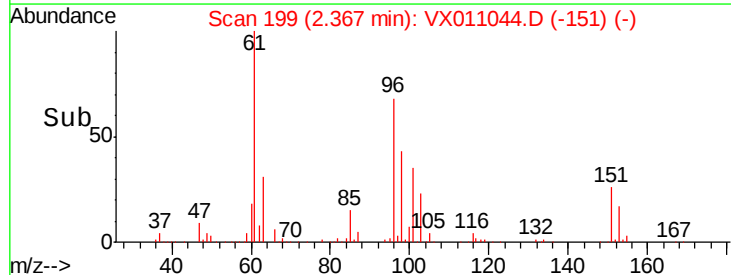
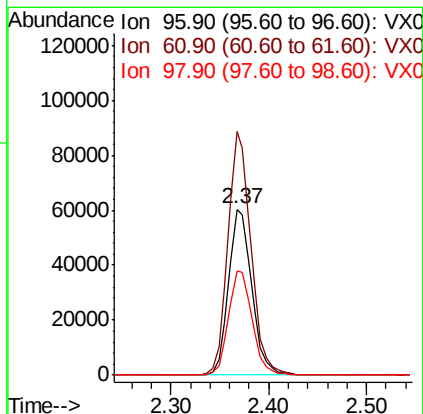
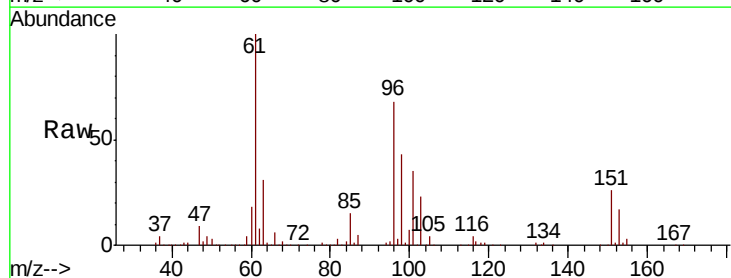
Tot Ion: 59 Resp: 129727
Ion Ratio Lower Upper
59 100
57 10.5 7.9 11.9

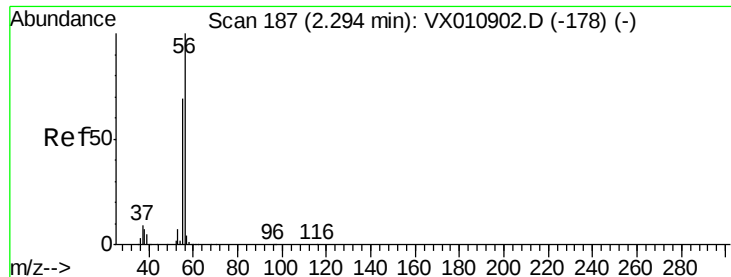


#12

1,1-Dichloroethene
Concen: 49.957 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 96 Resp: 99633
Ion Ratio Lower Upper
96 100
61 146.9 115.0 172.4
98 63.1 52.2 78.2





#13

Acrolein

Concen: 233.338 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

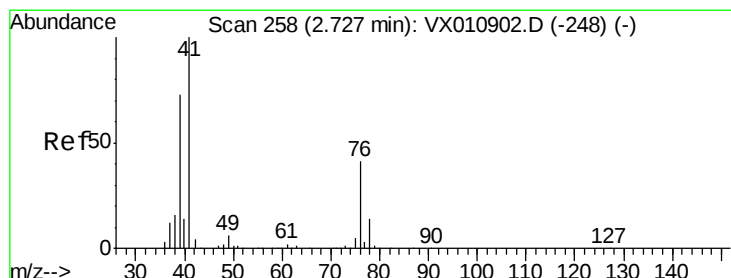
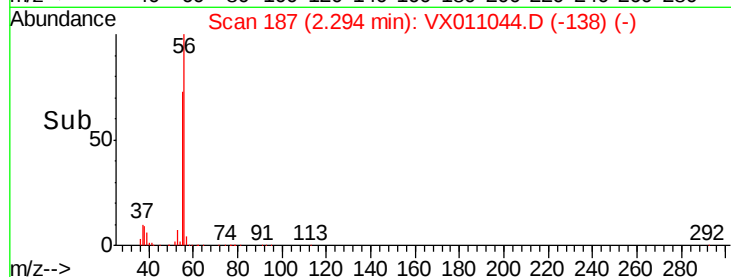
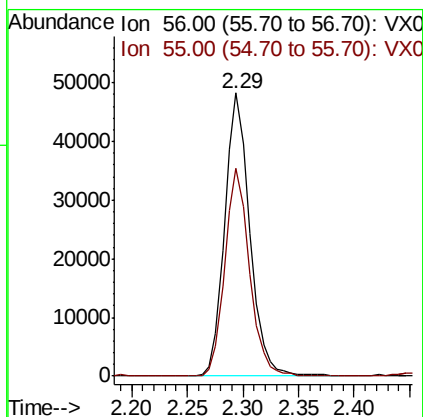
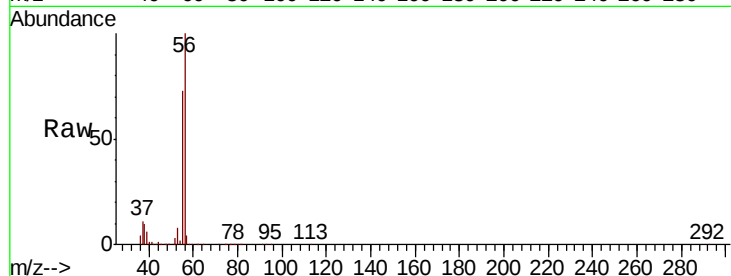
SU19-MSW0620MSD

Tot Ion: 56 Resp: 74788

Ion Ratio Lower Upper

56 100

55 72.0 55.9 83.9



#14

Allyl chloride

Concen: 49.944 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

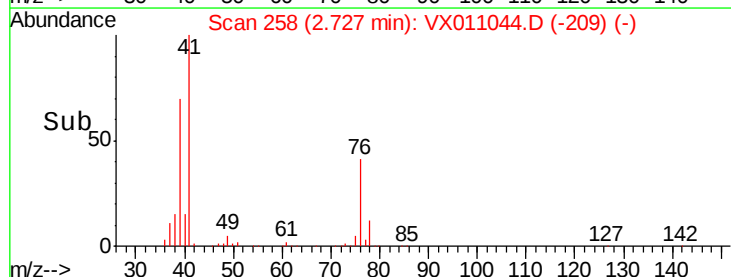
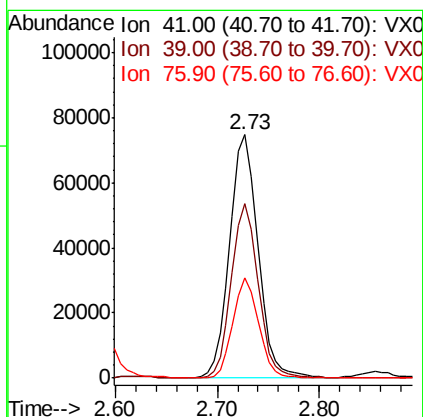
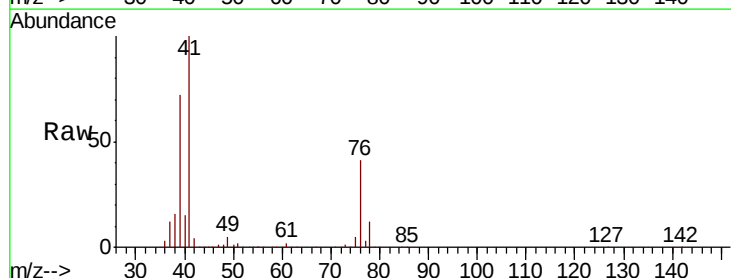
Tgt Ion: 41 Resp: 144684

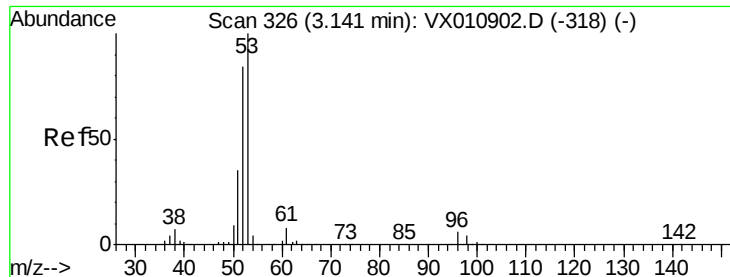
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 260.454 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

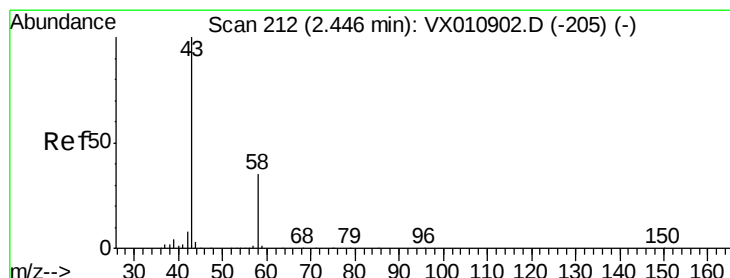
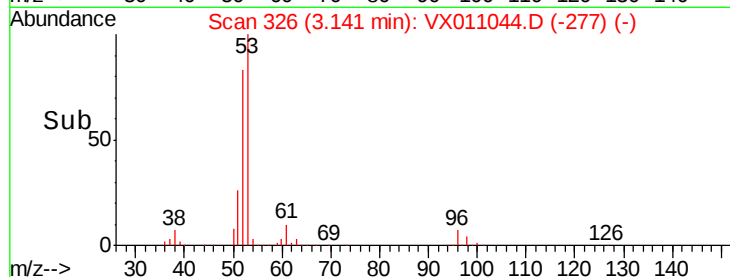
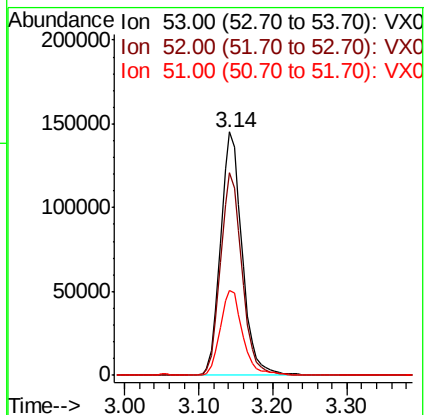
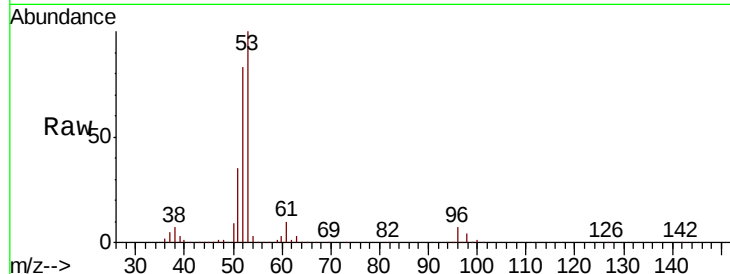
Tot Ion: 53 Resp: 291962

Ion Ratio Lower Upper

53 100

52 83.0 66.5 99.7

51 36.6 28.2 42.4



#16

Acetone

Concen: 230.540 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011044.D

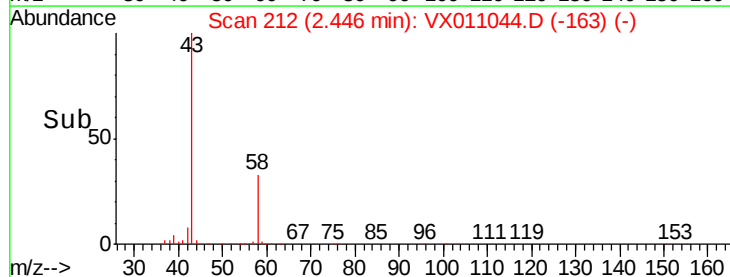
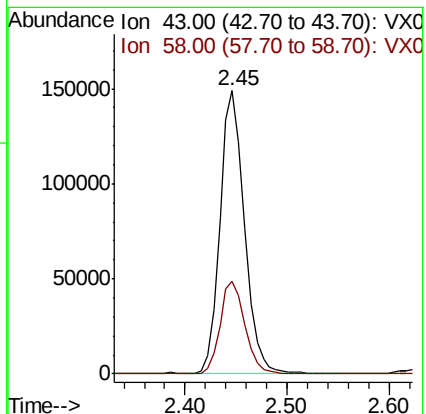
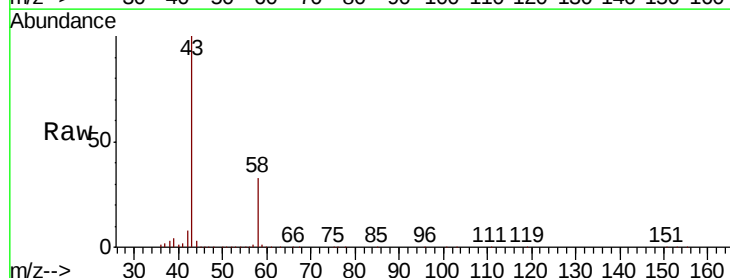
Acq: 22 Jul 2019 20:30

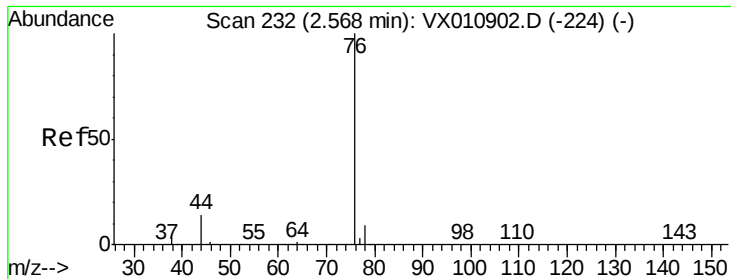
Tgt Ion: 43 Resp: 248022

Ion Ratio Lower Upper

43 100

58 32.8 27.7 41.5

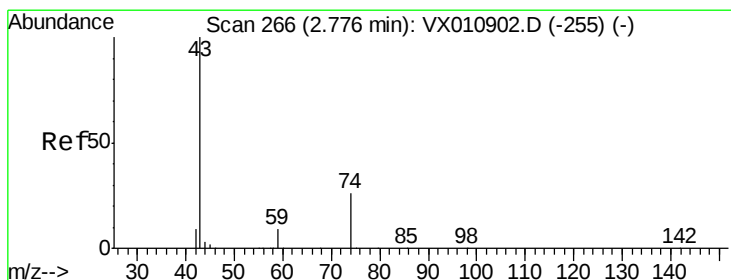
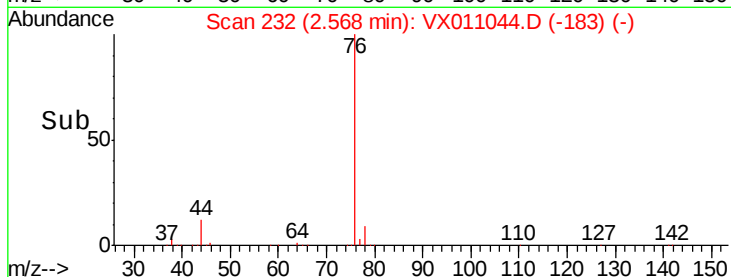
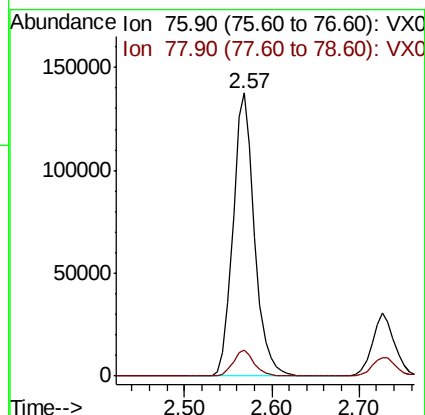
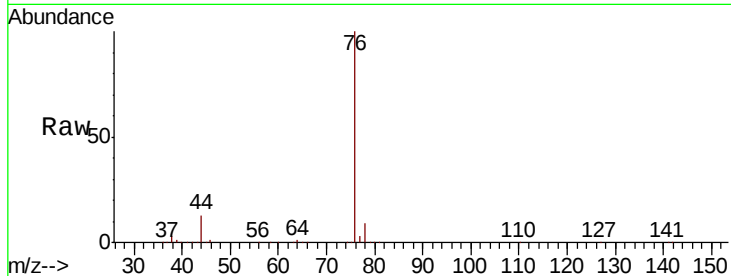




#17
Carbon Disulfide
Concen: 46.091 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

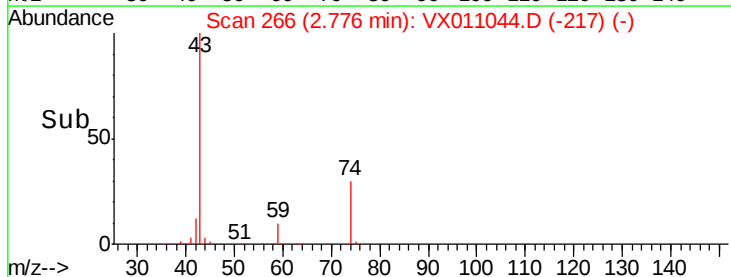
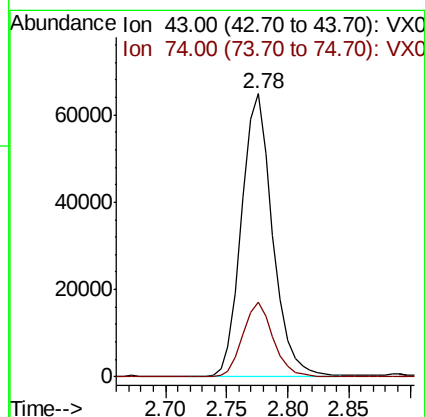
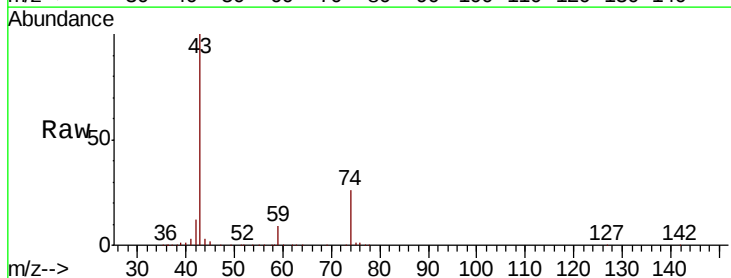
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

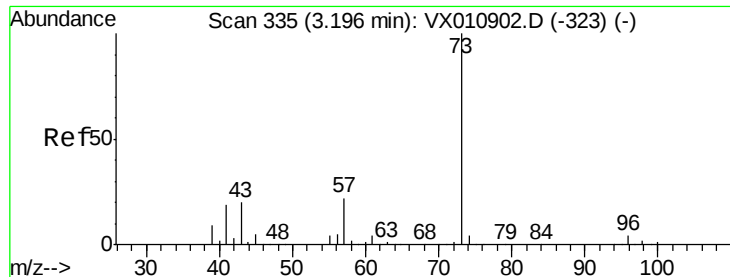
Tot Ion: 76 Resp: 235794
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 46.402 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 43 Resp: 113670
Ion Ratio Lower Upper
43 100
74 26.4 21.5 32.3

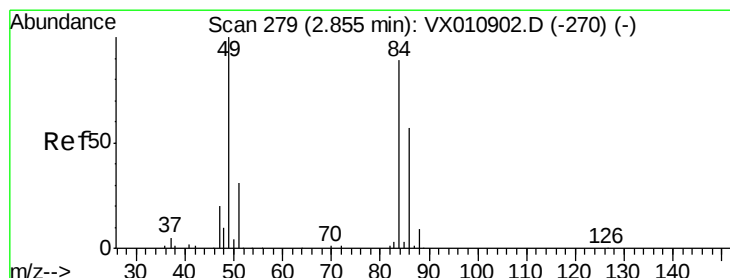
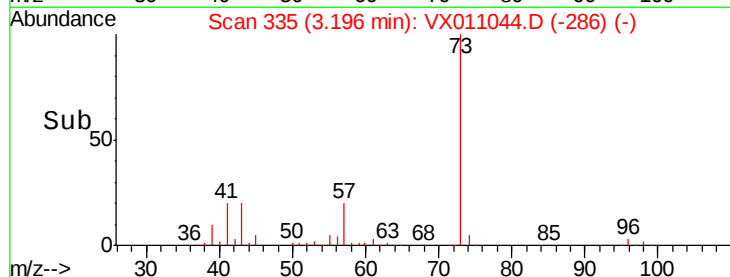
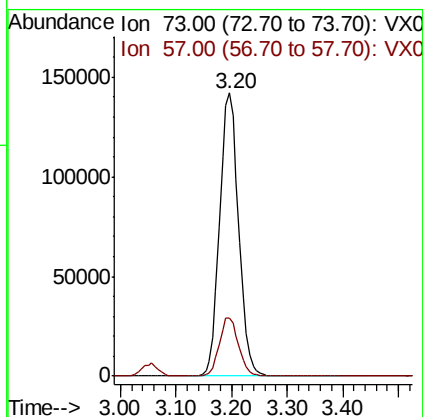
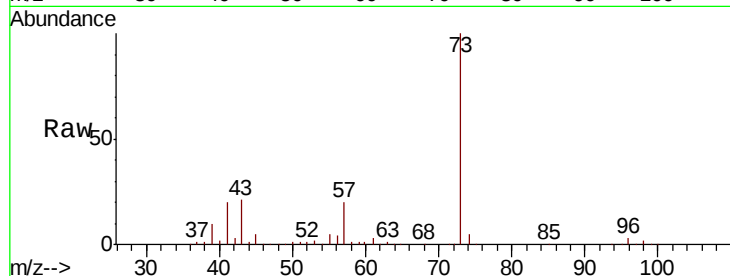




#19
Methyl tert-butyl Ether
Concen: 52.249 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

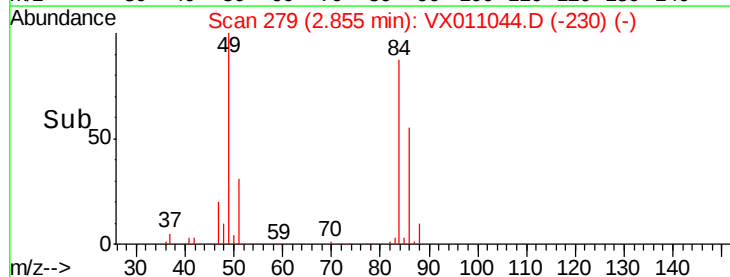
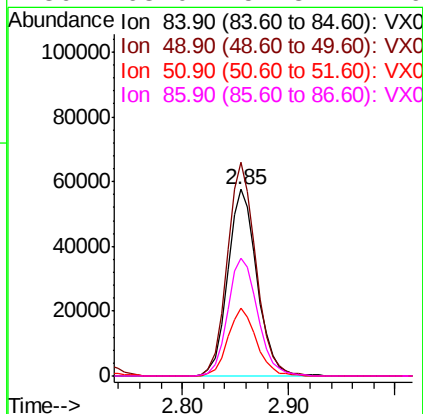
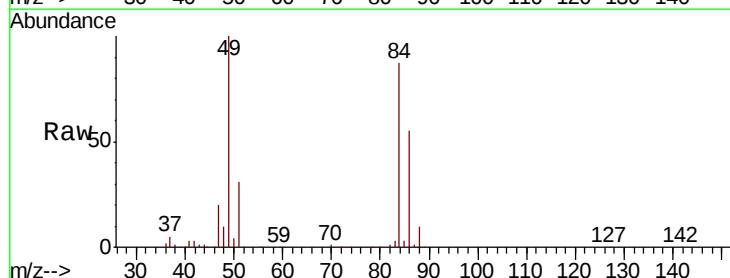
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

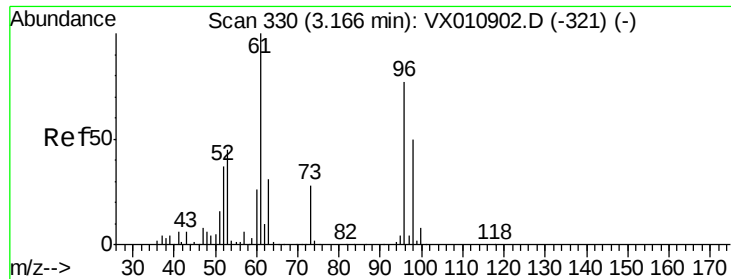
Tot Ion: 73 Resp: 335455
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9



#20
Methylene Chloride
Concen: 48.544 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 84 Resp: 110676
Ion Ratio Lower Upper
84 100
49 114.3 89.9 134.9
51 36.0 27.8 41.6
86 63.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.050 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

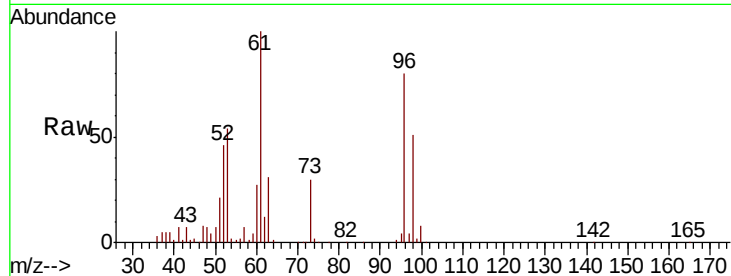
Tot Ion: 96 Resp: 103797

Ion Ratio Lower Upper

96 100

61 124.2 104.2 156.2

98 63.9 52.2 78.4

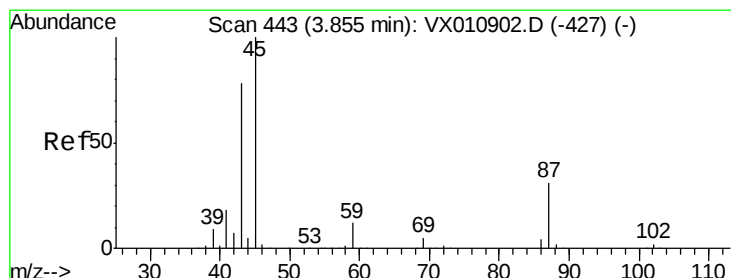
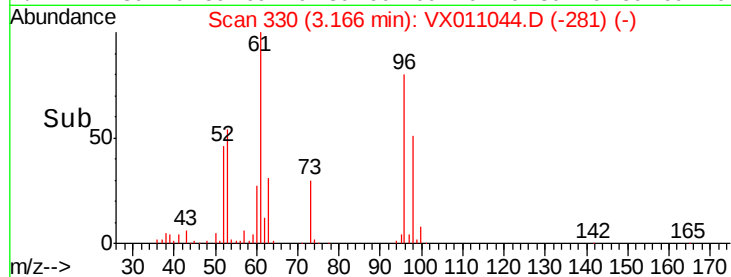
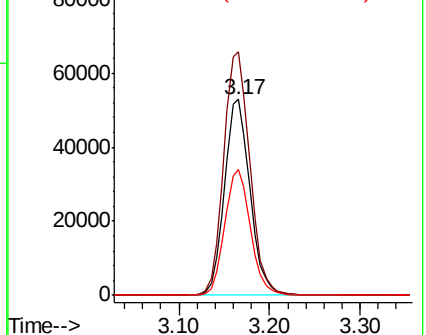


Abundance

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



#22

Diisopropyl ether

Concen: 50.491 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion: 45 Resp: 308487

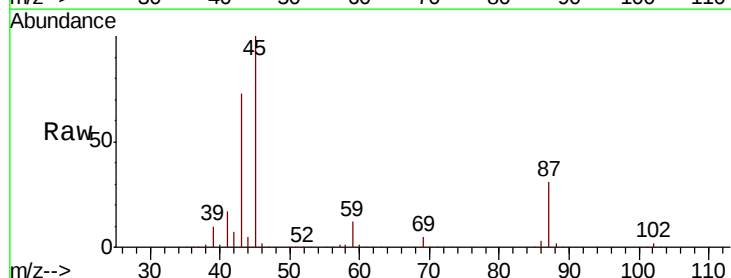
Ion Ratio Lower Upper

45 100

43 72.5 62.3 93.5

87 31.2 25.0 37.4

59 12.4 9.9 14.9



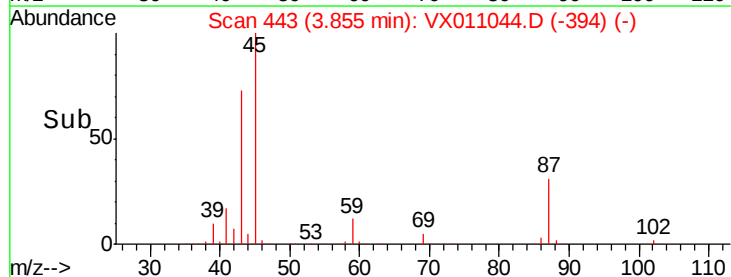
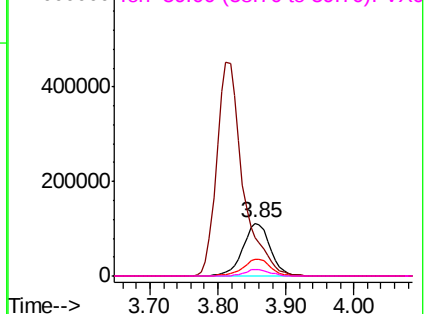
Abundance

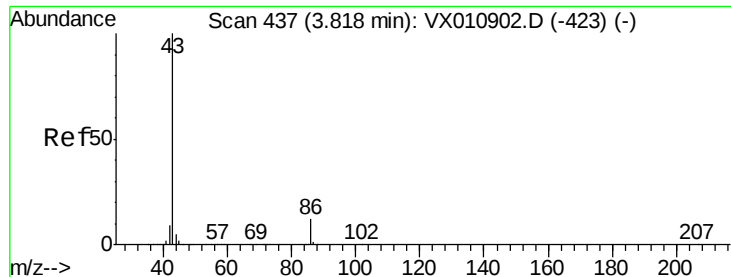
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 232.894 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

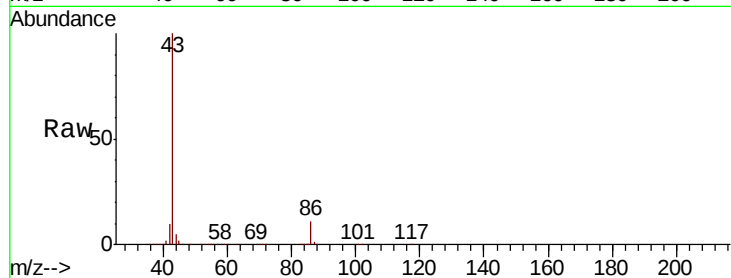
SU19-MSW0620MSD

Tot Ion: 43 Resp: 1205642

Ion Ratio Lower Upper

43 100

86 11.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

400000

300000

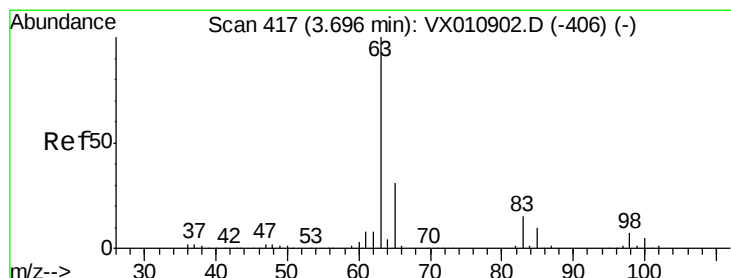
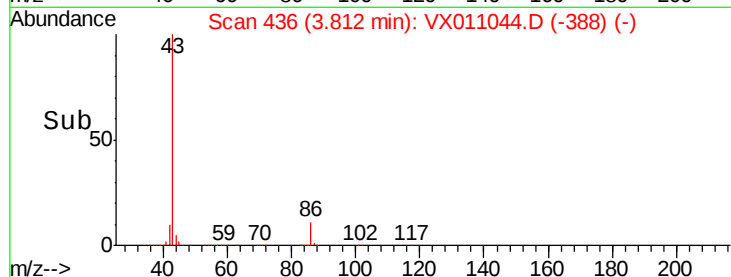
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.383 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

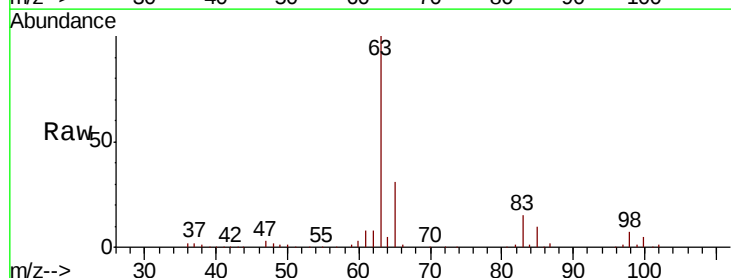
Tgt Ion: 63 Resp: 178771

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.6 2.4 7.2



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

100000

80000

60000

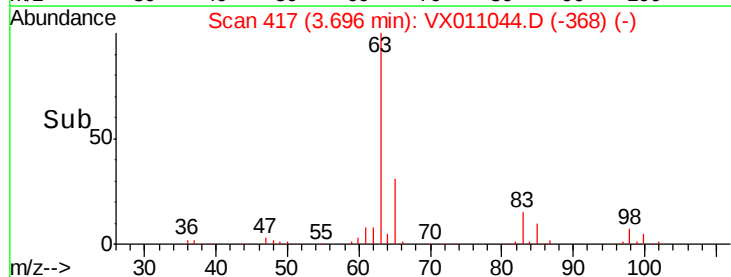
40000

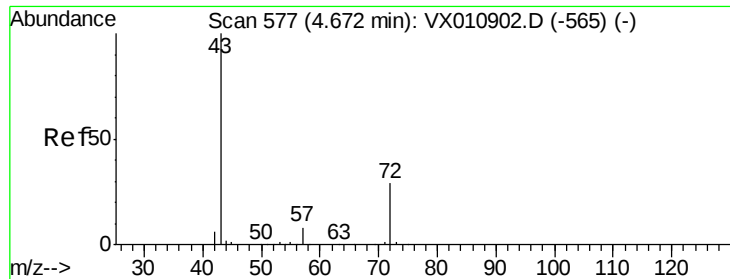
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 258.521 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

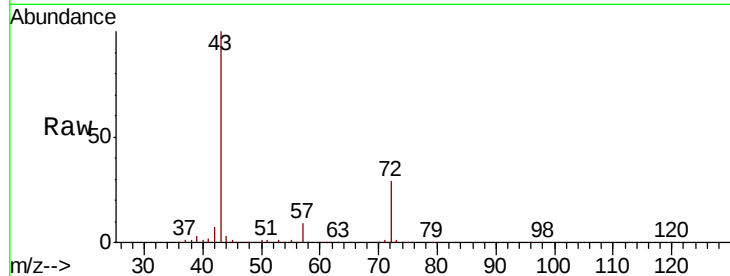
SU19-MSW0620MSD

Tot Ion: 43 Resp: 399245

Ion Ratio Lower Upper

43 100

72 28.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

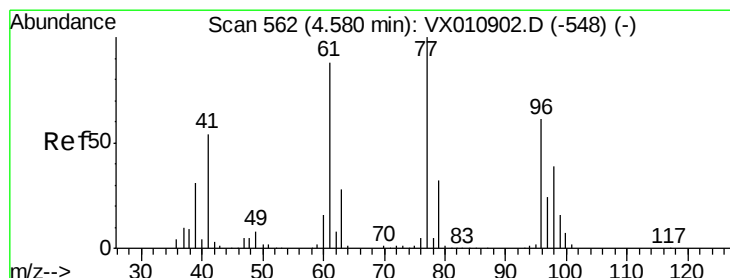
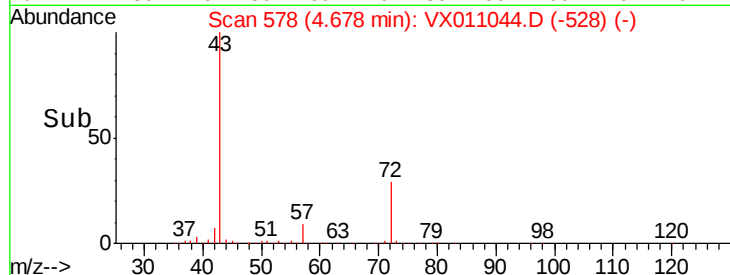
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.930 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011044.D

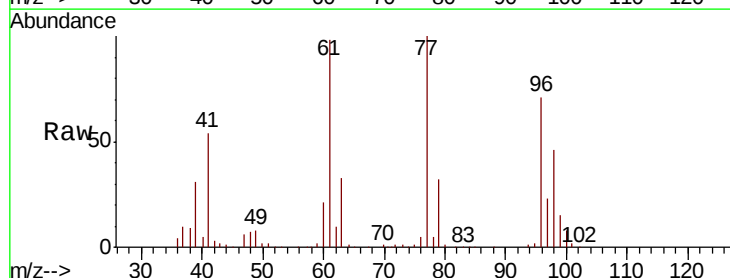
Acq: 22 Jul 2019 20:30

Tgt Ion: 77 Resp: 125073

Ion Ratio Lower Upper

77 100

97 25.0 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

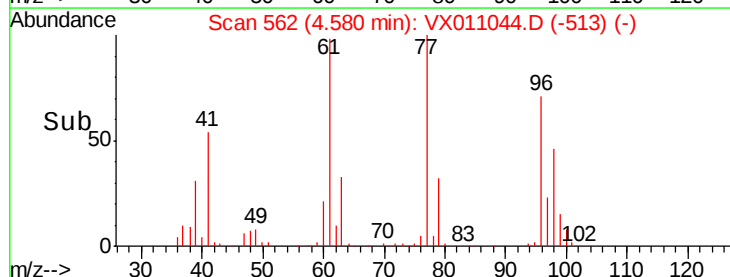
20000

10000

0

4.40 4.50 4.60 4.70

Time-->



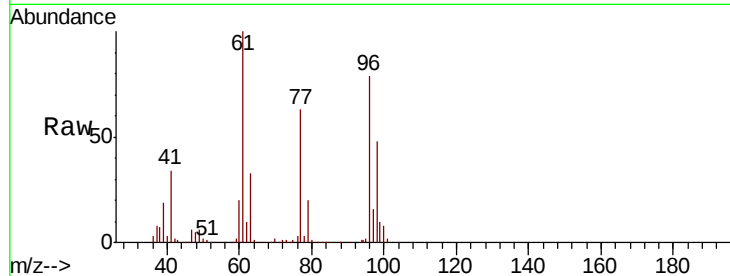


#27

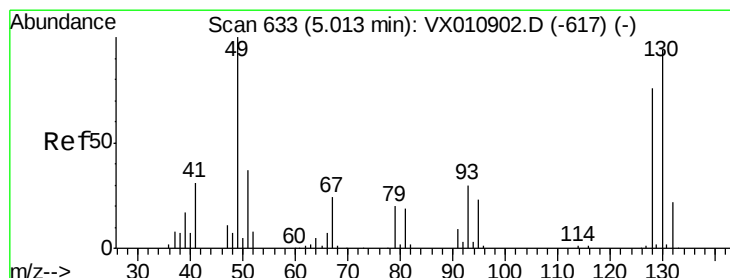
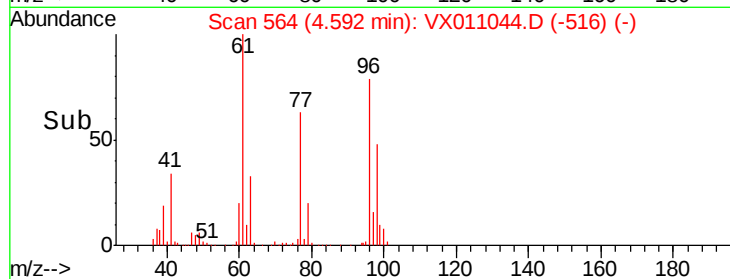
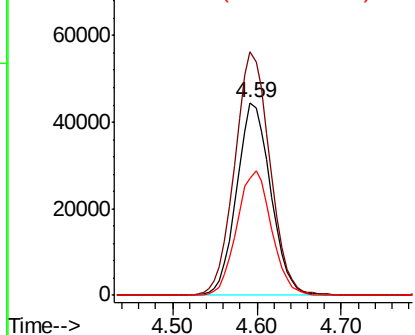
cis-1,2-Dichloroethene
 Concen: 49.692 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion: 96 Resp: 121698
 Ion Ratio Lower Upper
 96 100
 61 131.2 0.0 269.0
 98 65.8 0.0 131.4



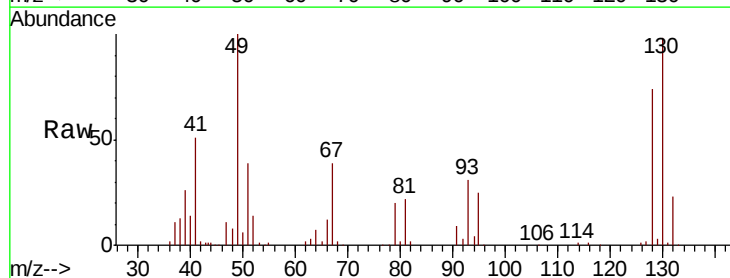
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



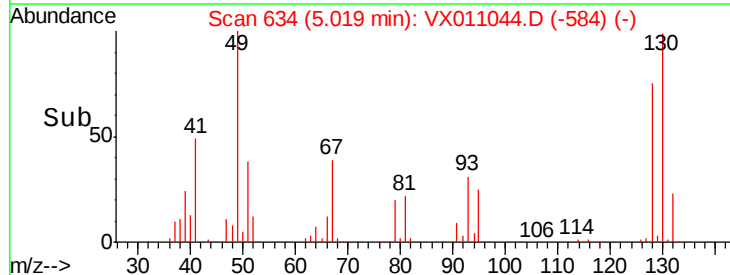
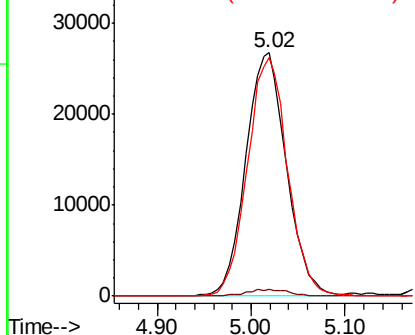
#28

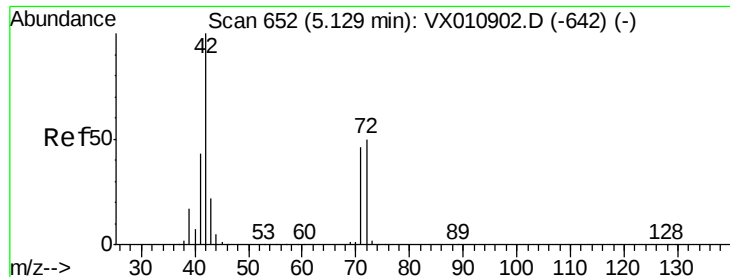
Bromochloromethane
 Concen: 48.402 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 49 Resp: 80932
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.2
 130 97.0 76.9 115.3



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: 264.958 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

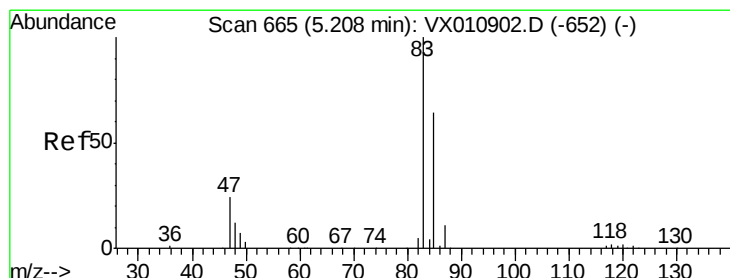
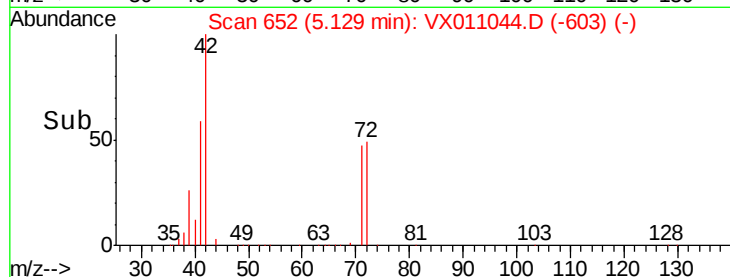
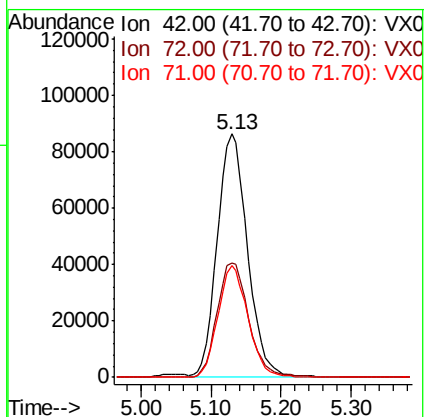
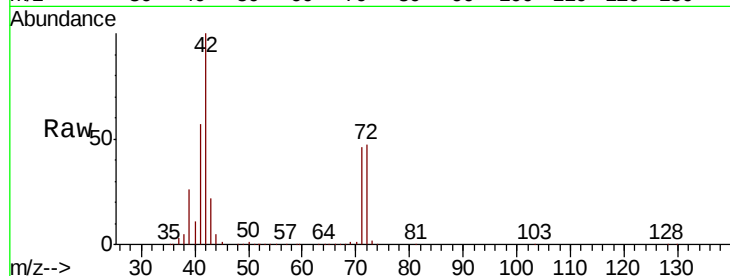
Tot Ion: 42 Resp: 259194

Ion Ratio Lower Upper

42 100

72 49.1 39.8 59.8

71 45.6 37.0 55.4



#30

Chloroform

Concen: 50.940 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX011044.D

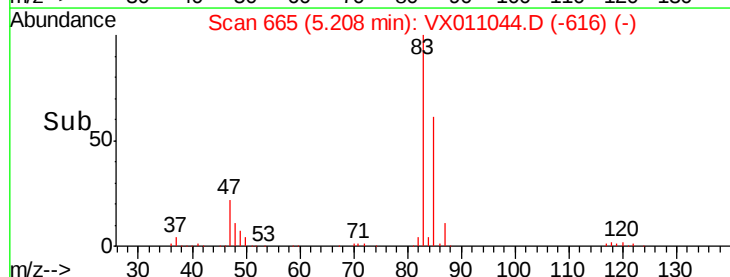
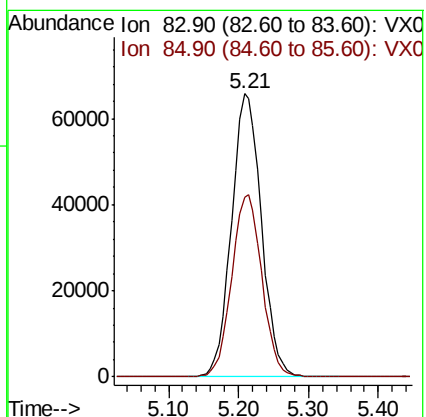
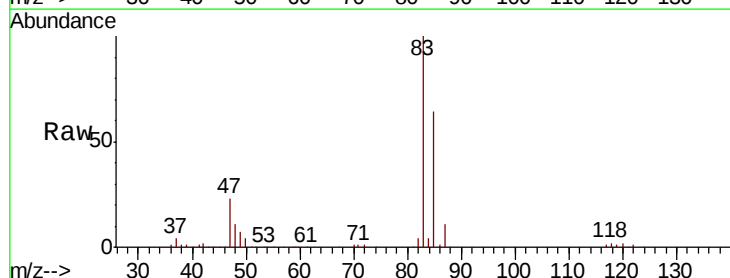
Acq: 22 Jul 2019 20:30

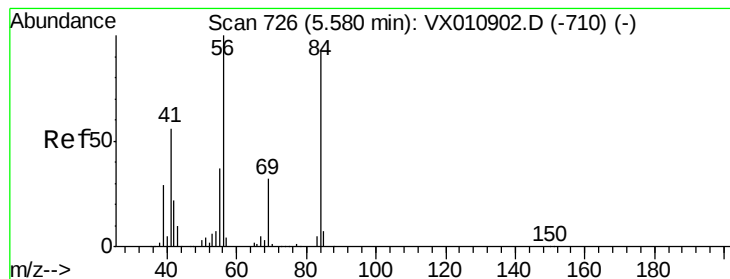
Tgt Ion: 83 Resp: 195369

Ion Ratio Lower Upper

83 100

85 63.6 51.4 77.0





#31

Cyclohexane

Concen: 48.066 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

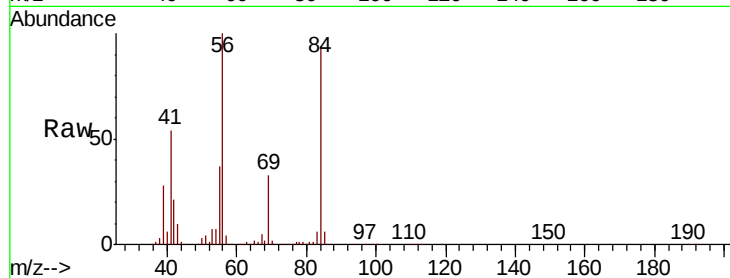
Tot Ion: 56 Resp: 155455

Ion Ratio Lower Upper

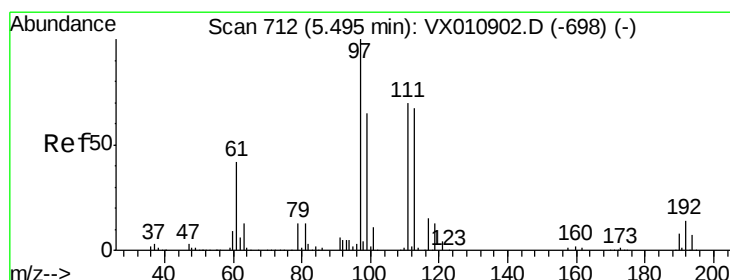
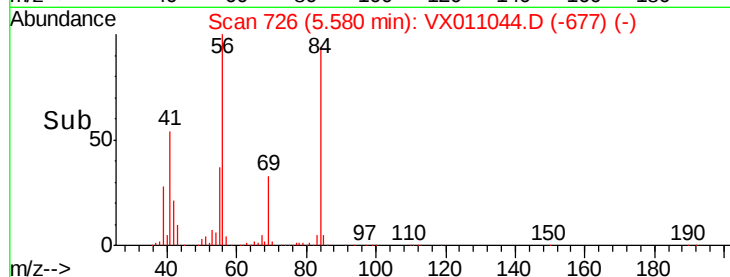
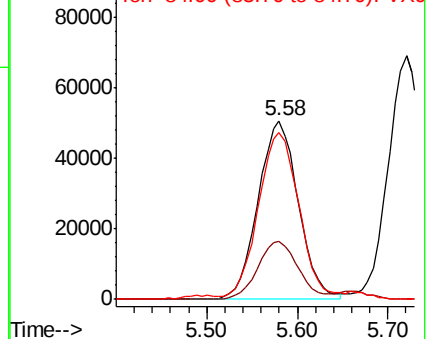
56 100

69 32.6 25.8 38.8

84 92.3 73.8 110.6



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



#32

1,1,1-Trichloroethane

Concen: 52.216 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

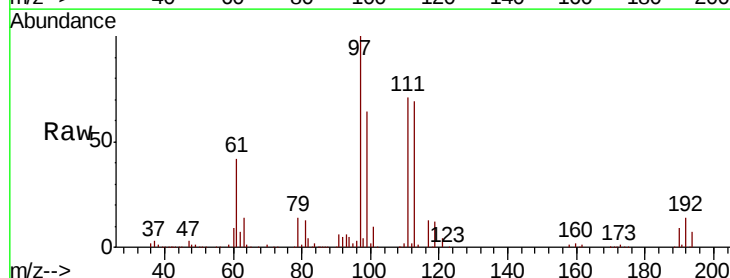
Tgt Ion: 97 Resp: 173261

Ion Ratio Lower Upper

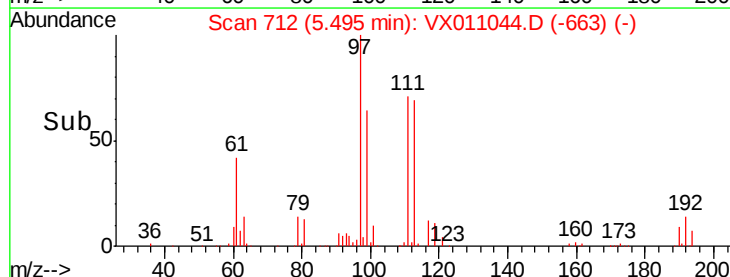
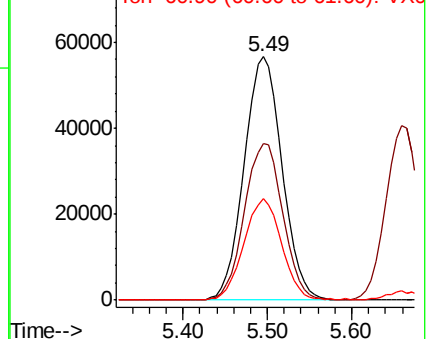
97 100

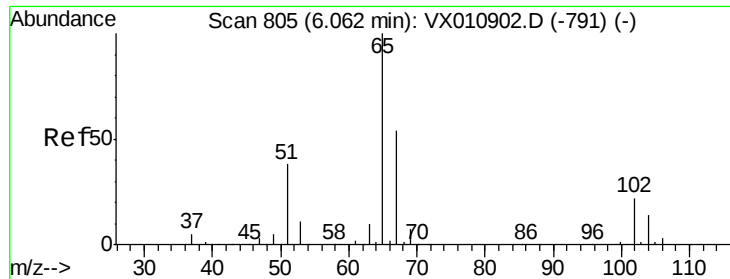
99 65.3 51.4 77.0

61 41.6 33.0 49.6



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

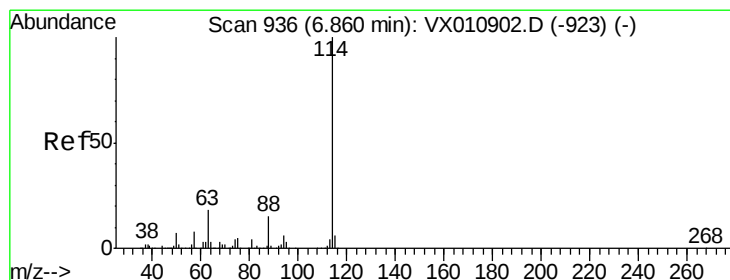
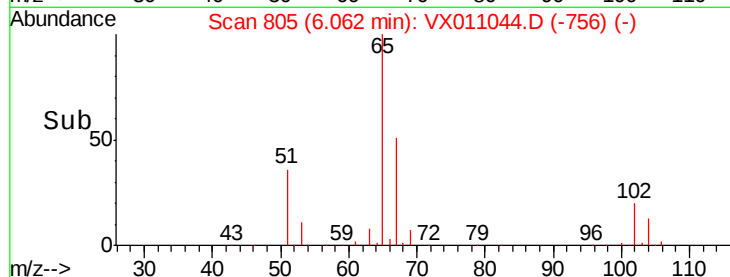
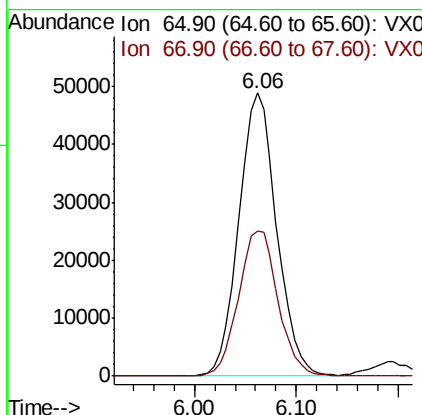
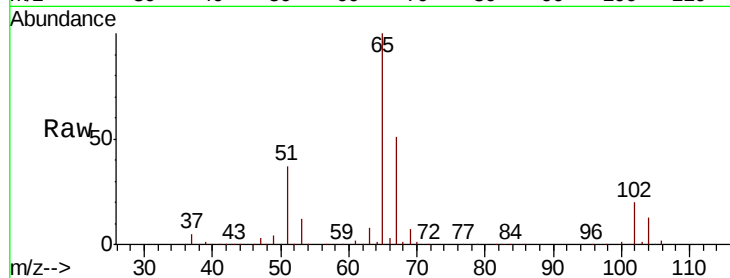




#33
 1,2-Dichloroethane-d4
 Concen: 52.913 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

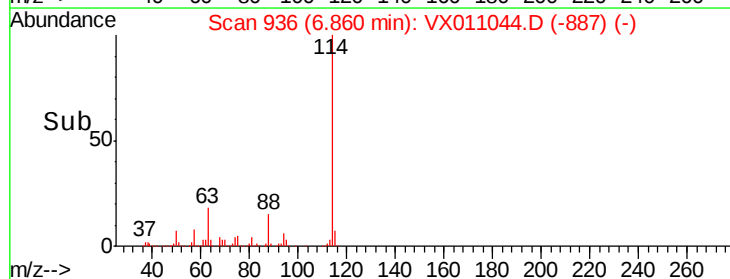
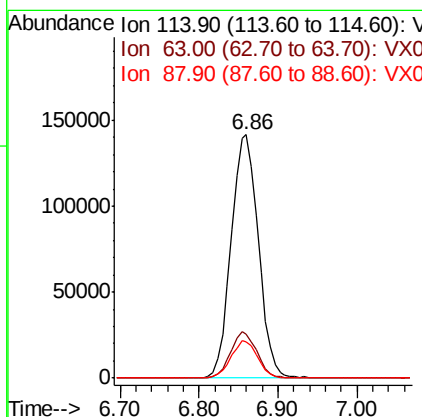
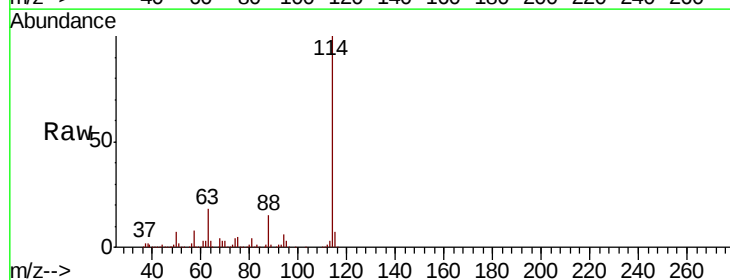
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

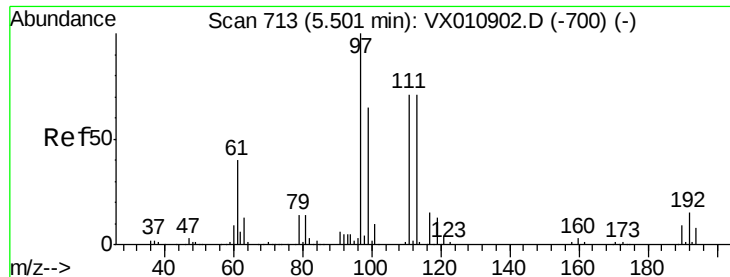
Tot Ion: 65 Resp: 126040
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 114 Resp: 339704
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 14.7 0.0 29.8

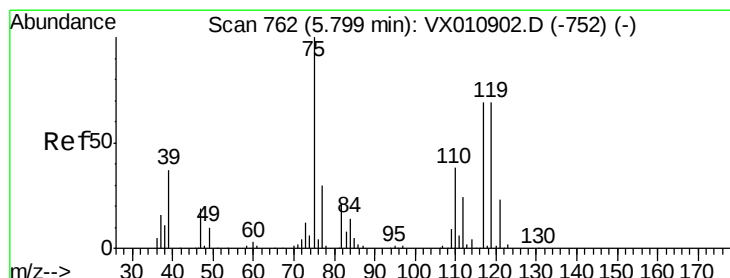
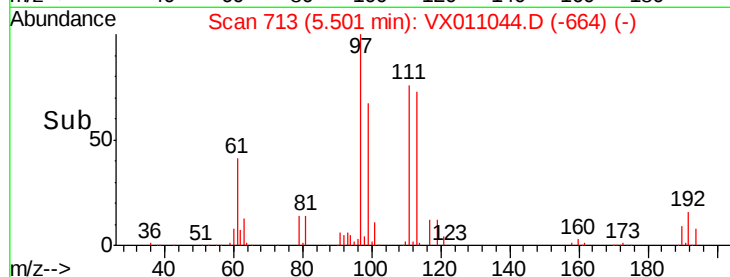
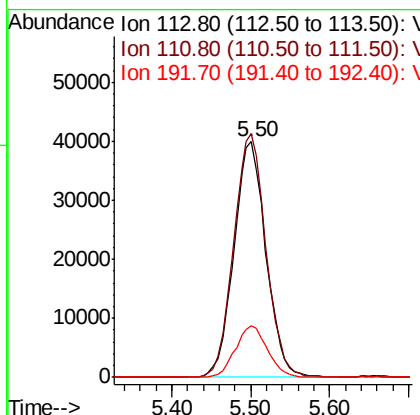
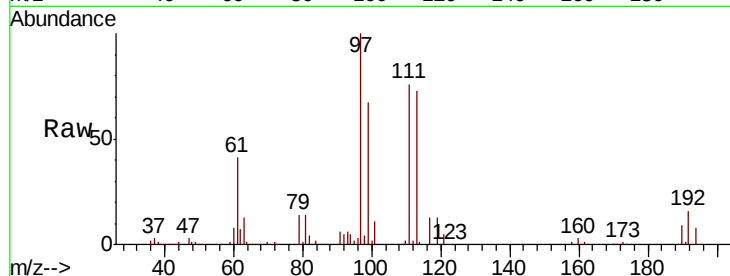




#35
 Dibromofluoromethane
 Concen: 52.226 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

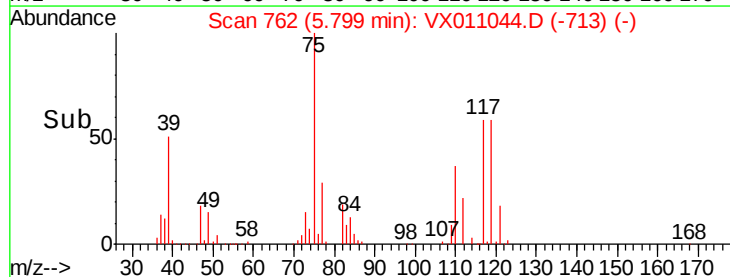
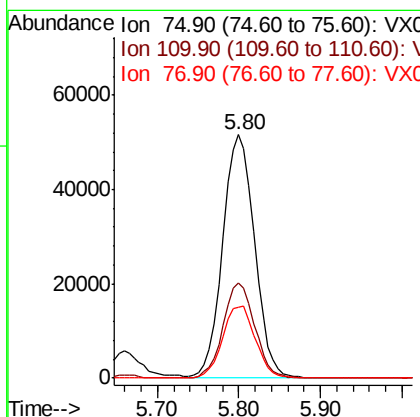
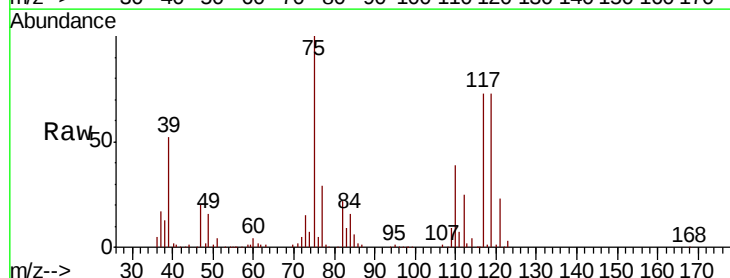
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

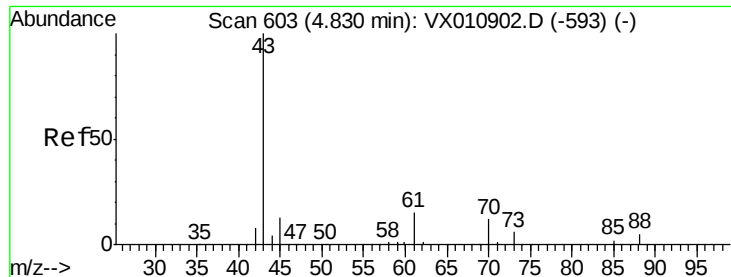
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	21.9	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 49.844 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.9	59.7
77	30.6	25.0	37.4

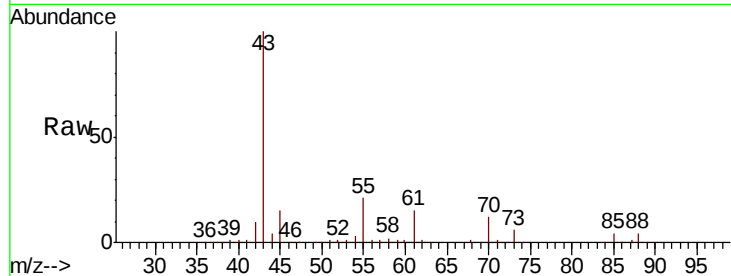




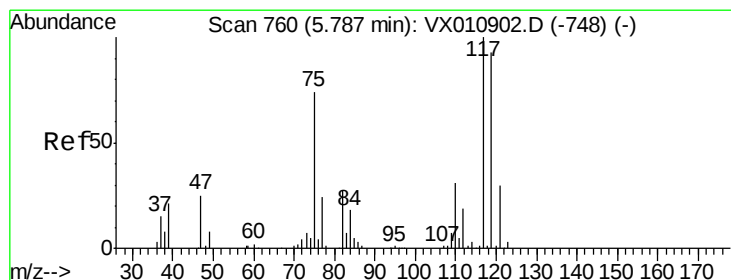
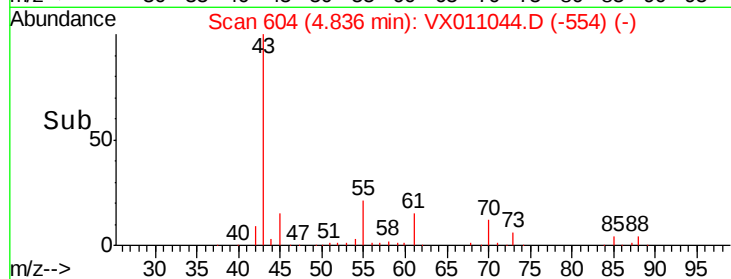
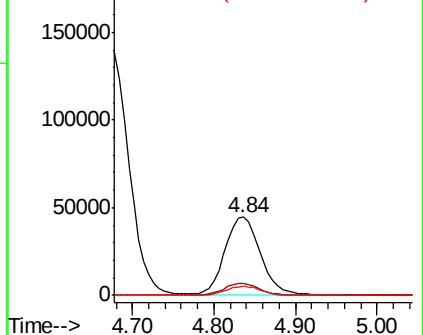
#37
Ethyl Acetate
Concen: 47.128 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion: 43 Resp: 134656
Ion Ratio Lower Upper
43 100
61 14.9 11.6 17.4
70 11.7 9.1 13.7

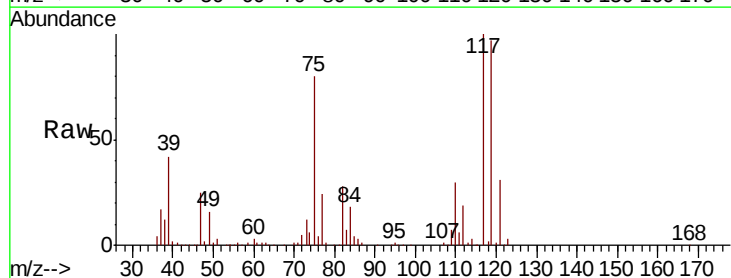


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

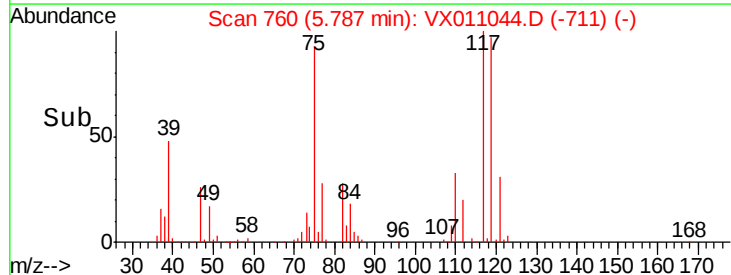
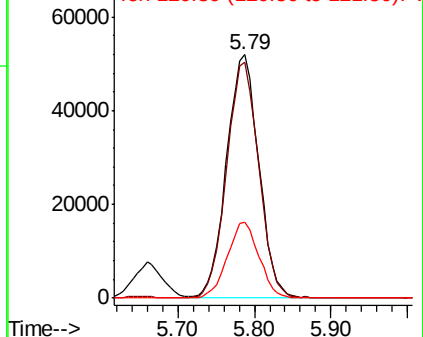


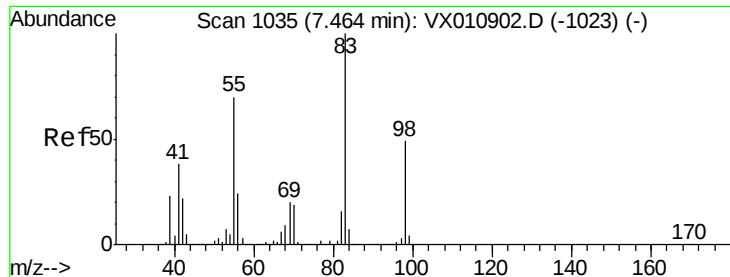
#38
Carbon Tetrachloride
Concen: 52.156 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 117 Resp: 151652
Ion Ratio Lower Upper
117 100
119 96.5 74.2 111.2
121 31.0 24.2 36.2



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

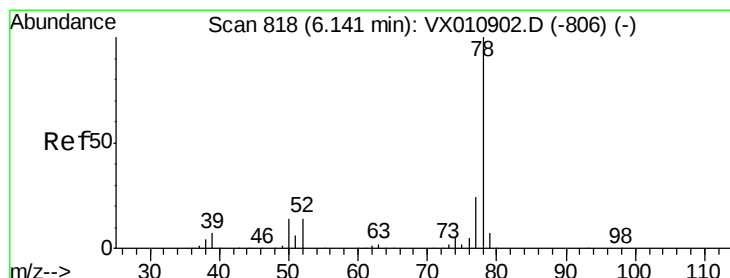
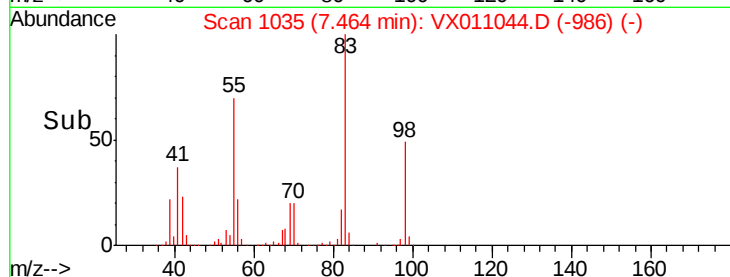
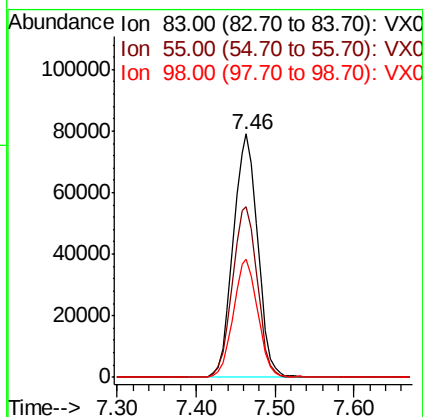
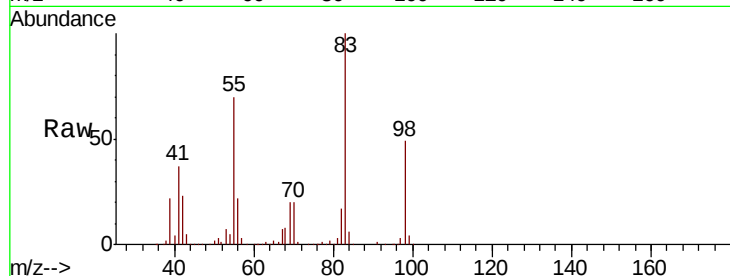




#39
Methvlcvclohexane
Concen: 47.241 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

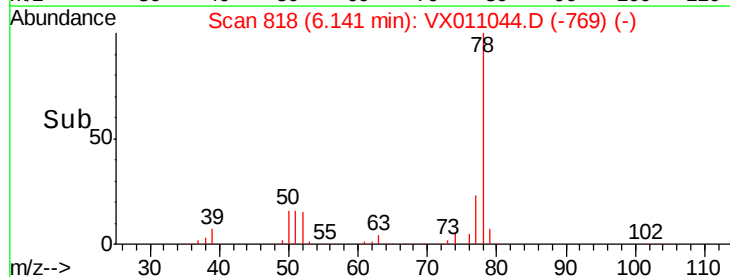
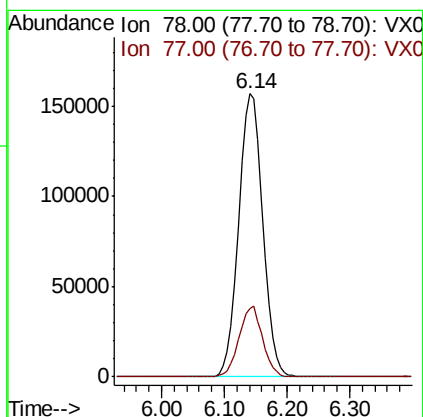
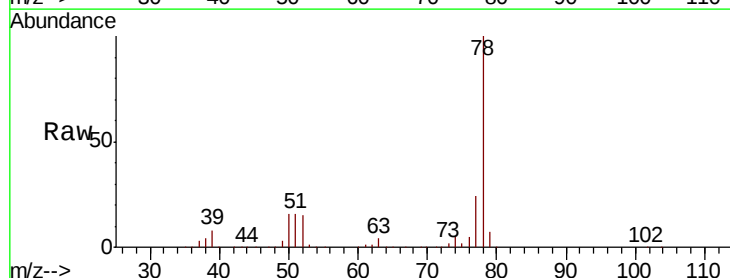
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

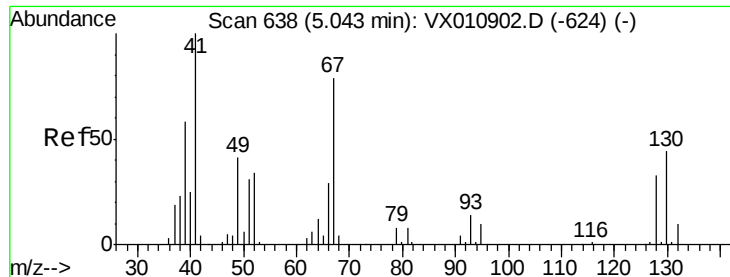
Tot Ion: 83 Resp: 170943
Ion Ratio Lower Upper
83 100
55 70.2 56.2 84.4
98 48.7 39.0 58.4



#40
Benzene
Concen: 48.853 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 78 Resp: 417570
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6





#41

Methacrylonitrile

Concen: 49.455 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 41 Resp: 80216

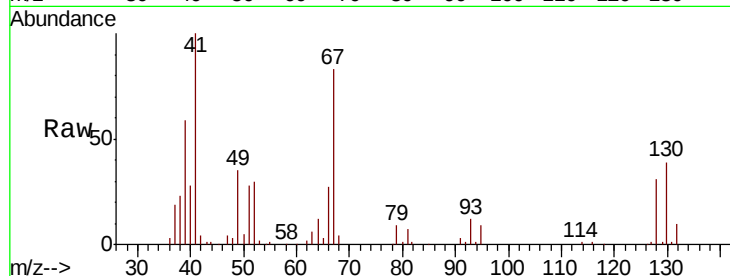
Ion Ratio Lower Upper

41 100

39 58.7 45.4 68.2

67 81.9 65.9 98.9

52 32.2 26.2 39.2

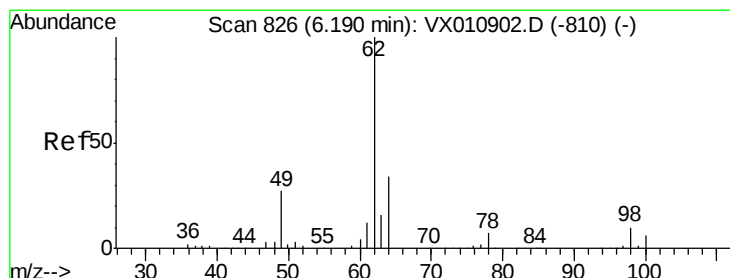
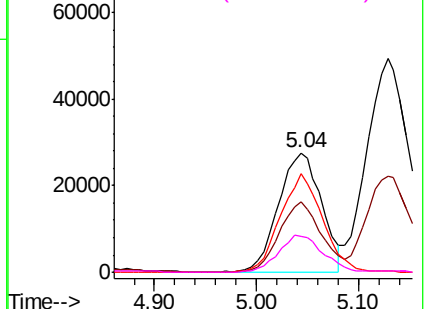
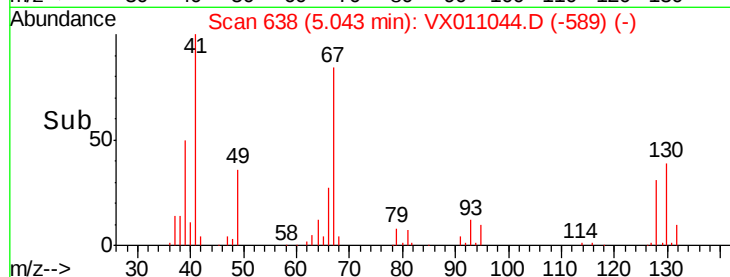


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.332 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX011044.D

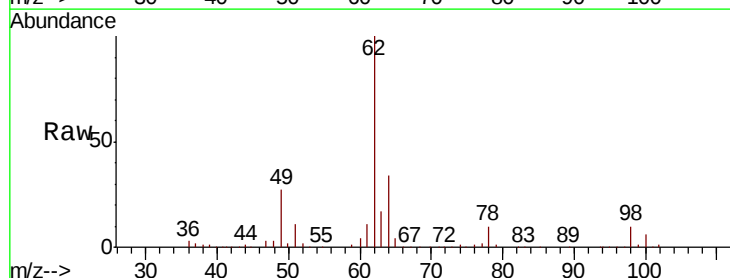
Acq: 22 Jul 2019 20:30

Tgt Ion: 62 Resp: 152555

Ion Ratio Lower Upper

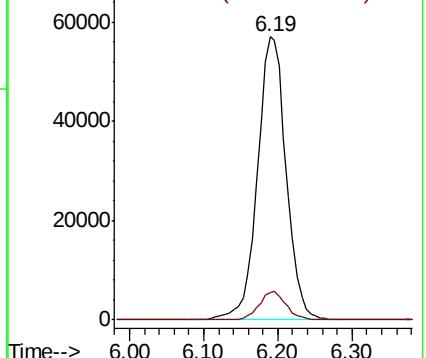
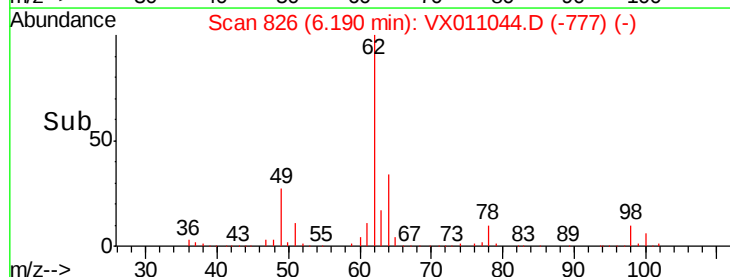
62 100

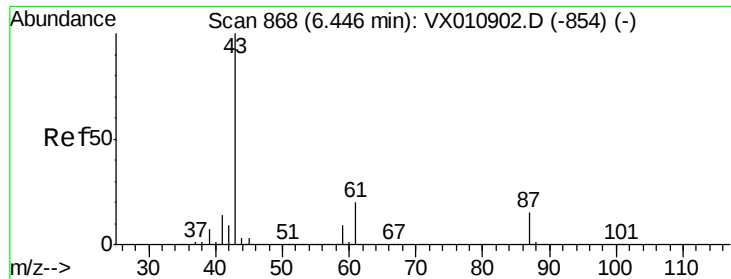
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.313 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

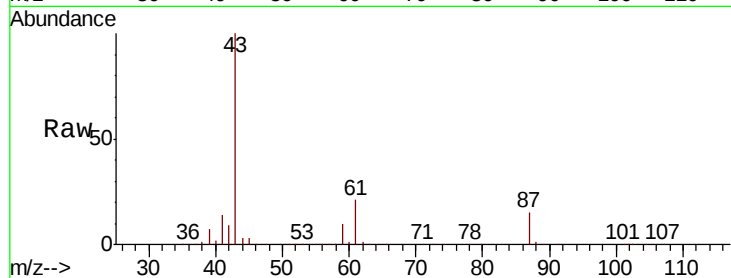
Tot Ion: 43 Resp: 231679

Ion Ratio Lower Upper

43 100

61 20.4 17.1 25.7

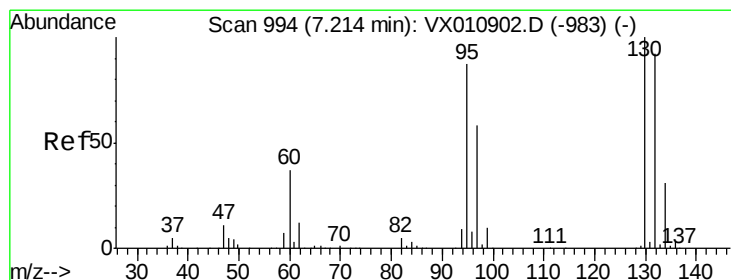
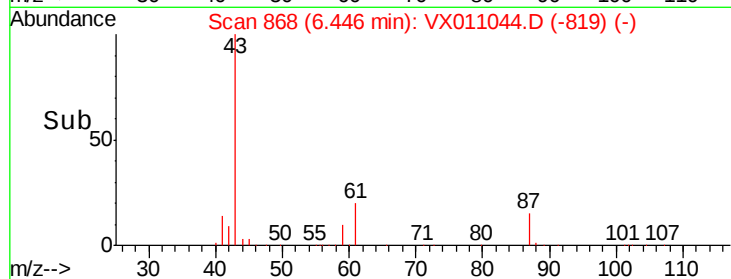
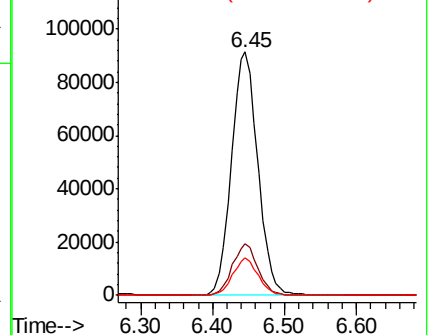
87 14.8 12.0 18.0



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: 48.843 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX011044.D

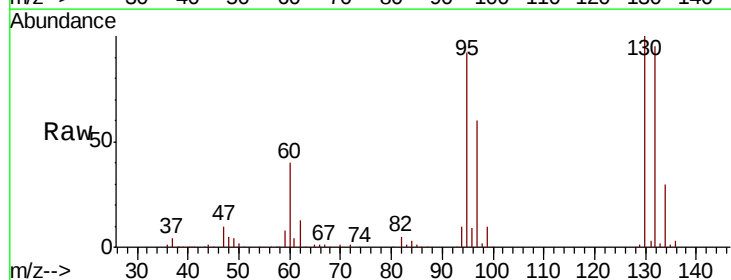
Acq: 22 Jul 2019 20:30

Tgt Ion:130 Resp: 123576

Ion Ratio Lower Upper

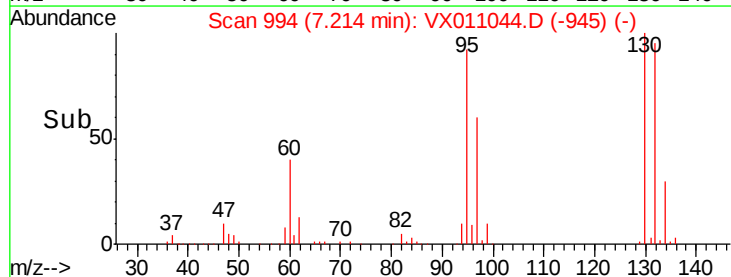
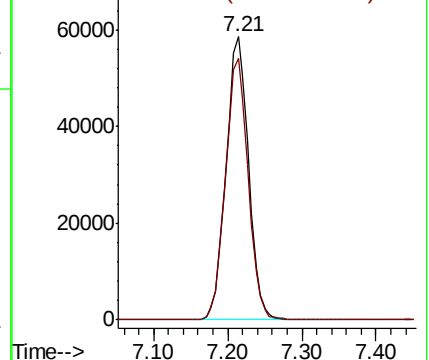
130 100

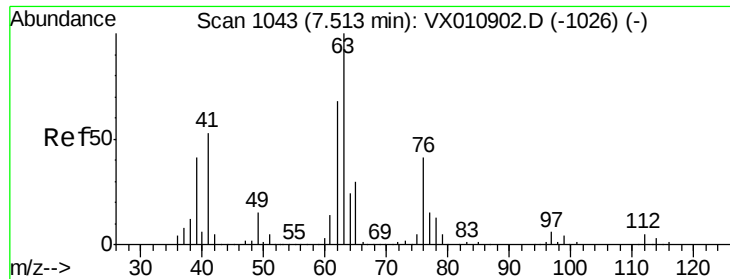
95 92.4 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

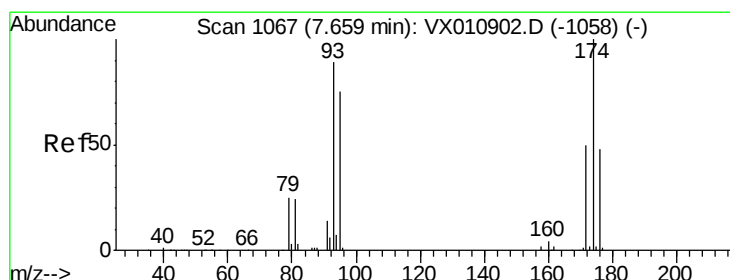
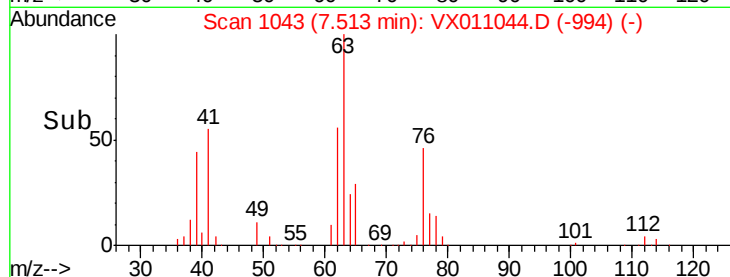
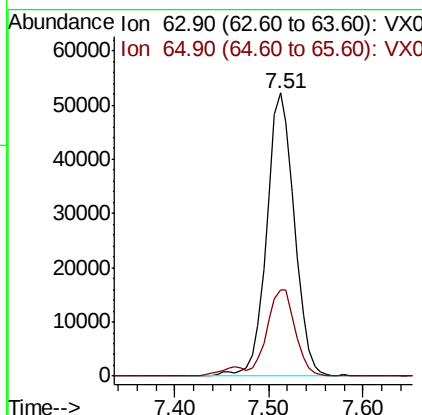
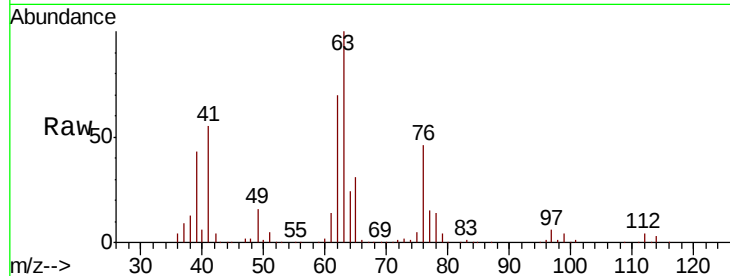




#45
 1,2-Dichloropropane
 Concen: 49.497 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

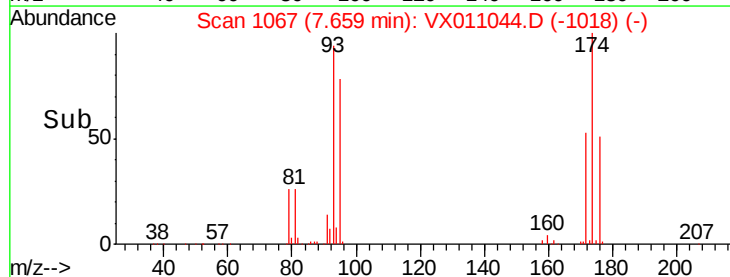
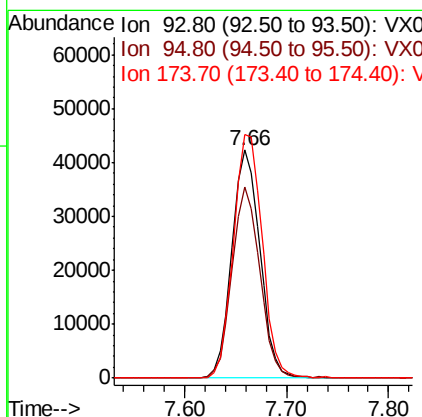
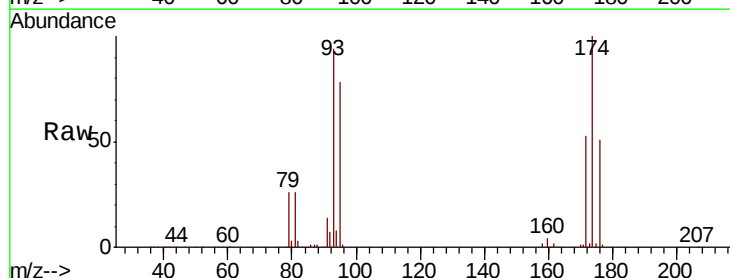
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

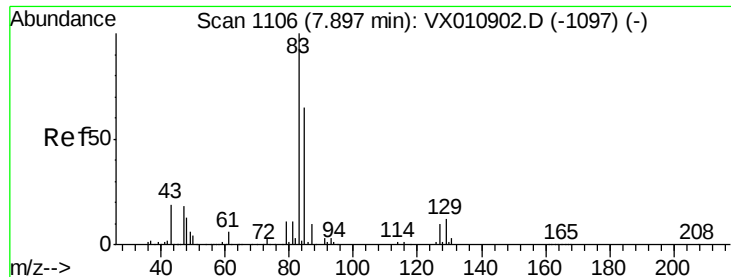
Tot Ion: 63 Resp: 107681
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 51.889 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 93 Resp: 80663
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 109.6 90.6 135.8





#47

Bromodichloromethane

Concen: 53.250 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

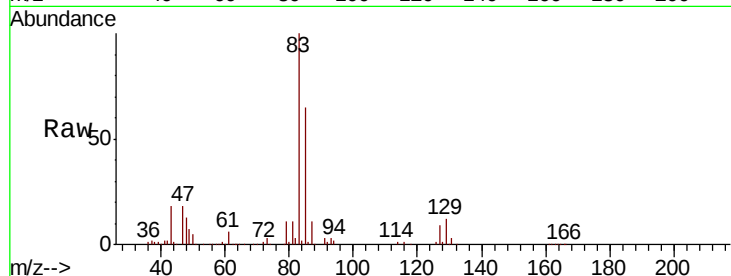
Tot Ion: 83 Resp: 147352

Ion Ratio Lower Upper

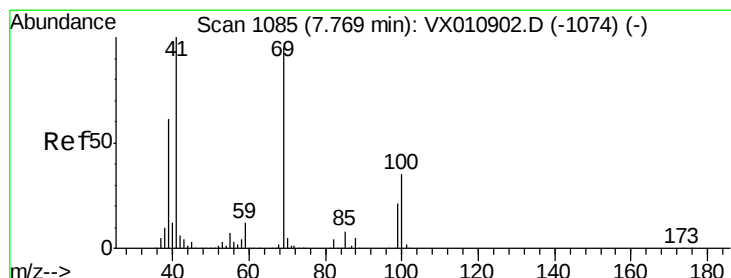
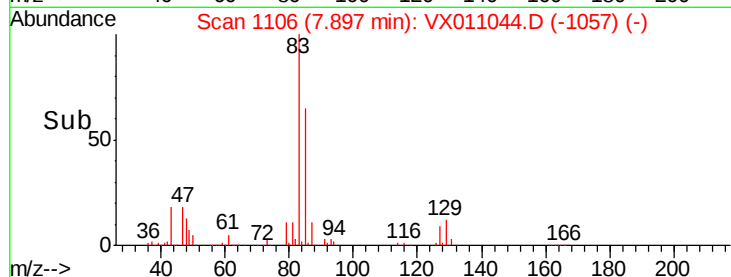
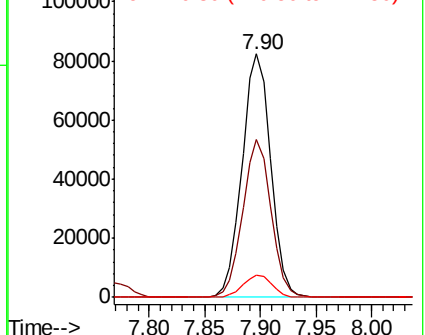
83 100

85 64.6 52.5 78.7

127 9.0 7.8 11.8



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: 52.698 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

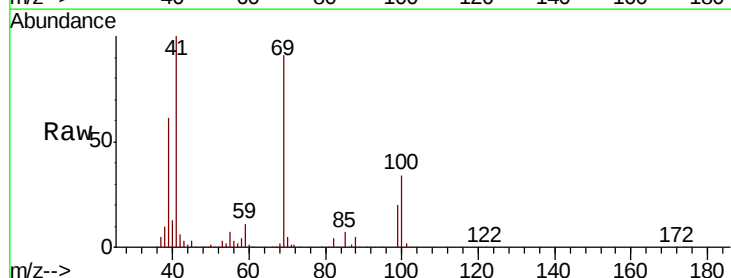
Tgt Ion: 41 Resp: 120610

Ion Ratio Lower Upper

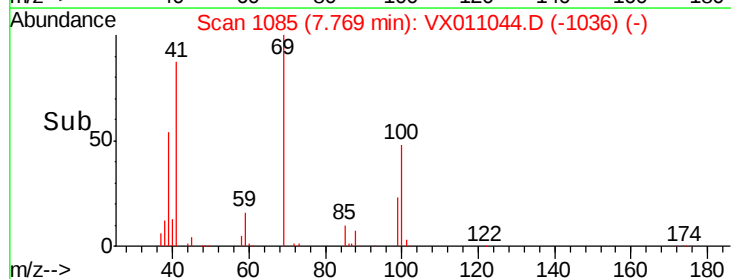
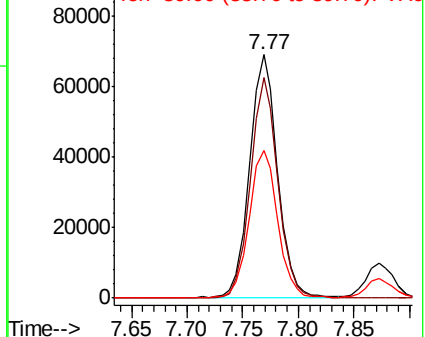
41 100

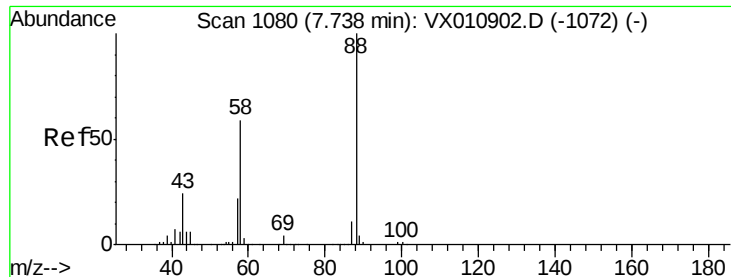
69 89.5 74.4 111.6

39 61.6 48.9 73.3



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

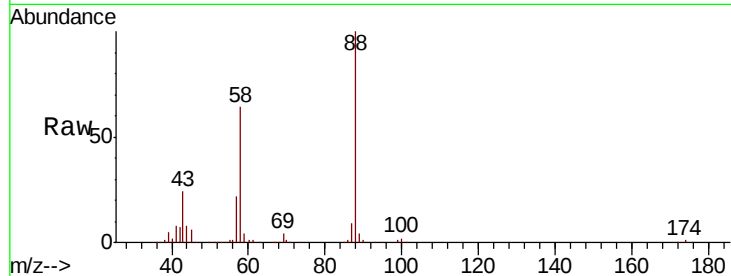




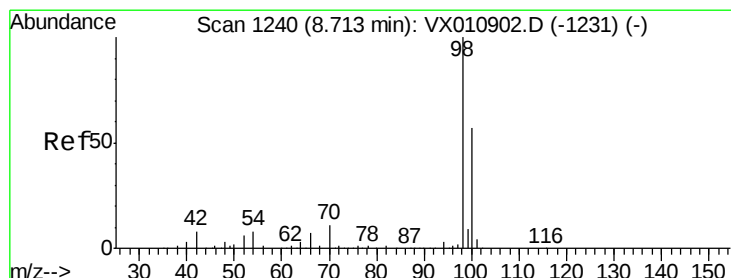
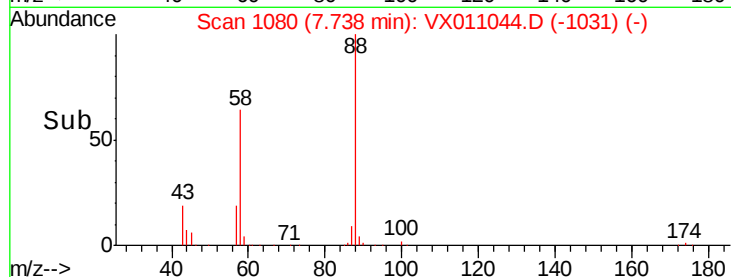
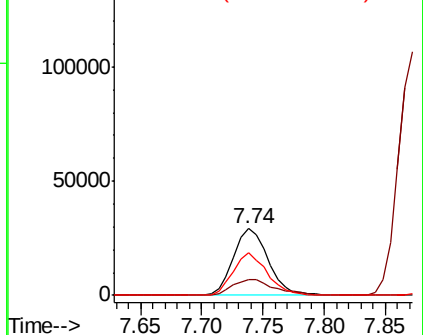
#49
1,4-Dioxane
Concen: 893.163 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion: 88 Resp: 57181
Ion Ratio Lower Upper
88 100
43 28.3 22.9 34.3
58 63.5 49.8 74.8

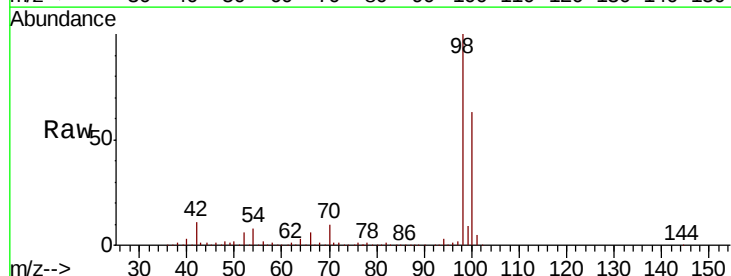


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

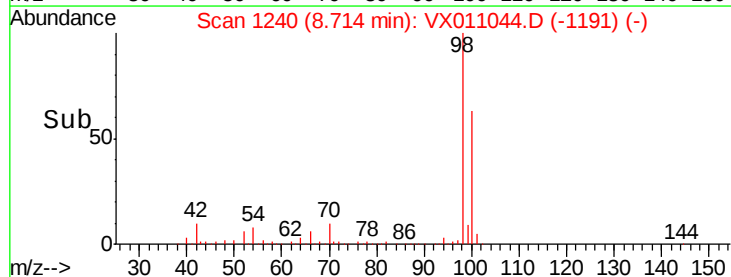
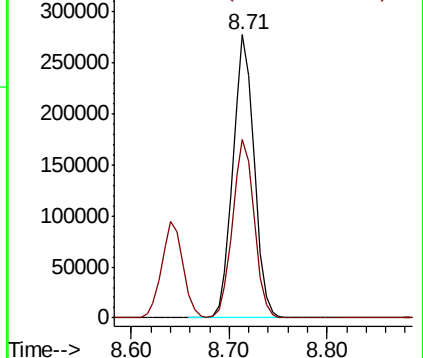


#50
Toluene-d8
Concen: 51.742 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 98 Resp: 418439
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8



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: 266.740 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

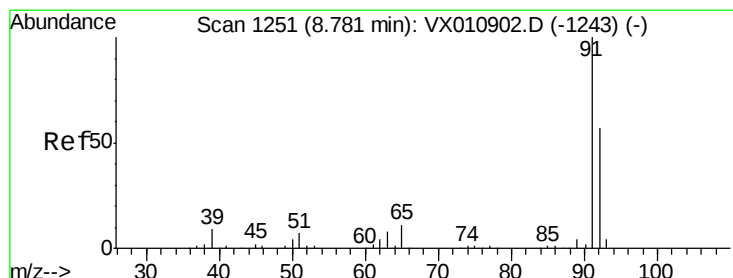
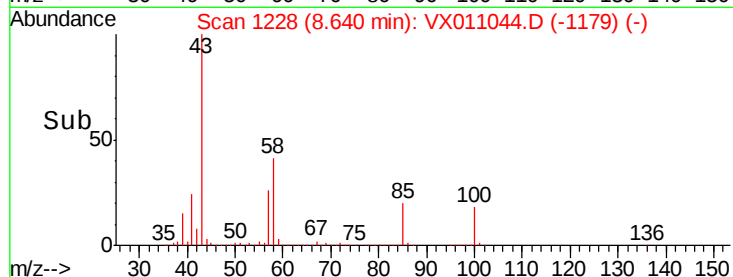
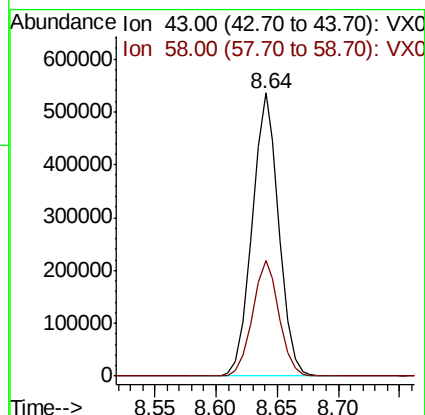
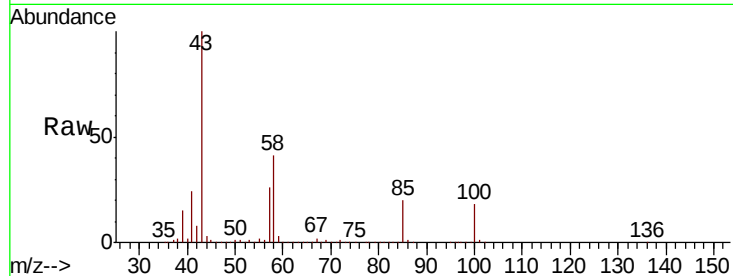
SU19-MSW0620MSD

Tot Ion: 43 Resp: 812367

Ion Ratio Lower Upper

43 100

58 40.6 32.2 48.4



#52

Toluene

Concen: 49.328 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011044.D

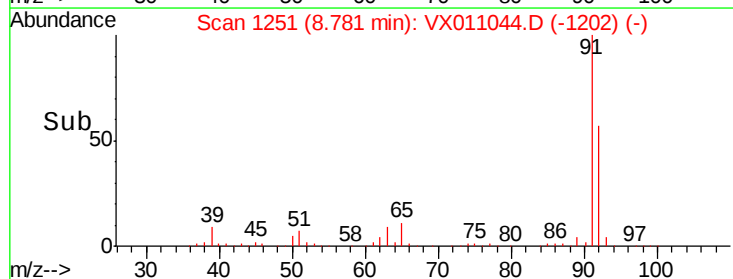
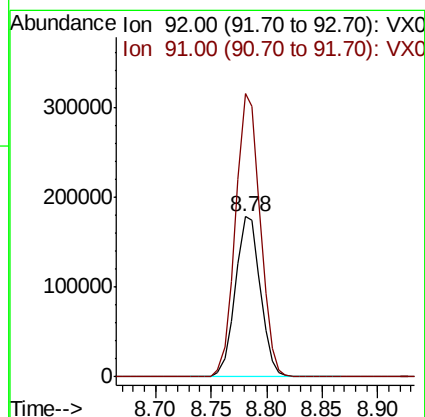
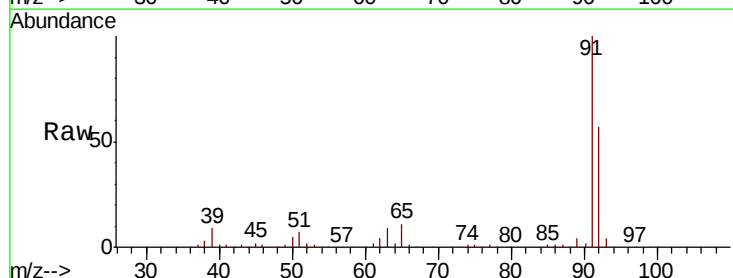
Acq: 22 Jul 2019 20:30

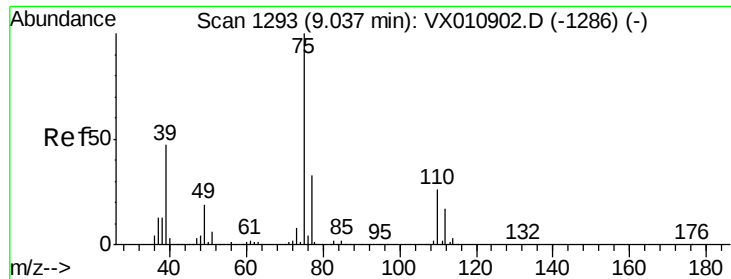
Tgt Ion: 92 Resp: 276979

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 52.648 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

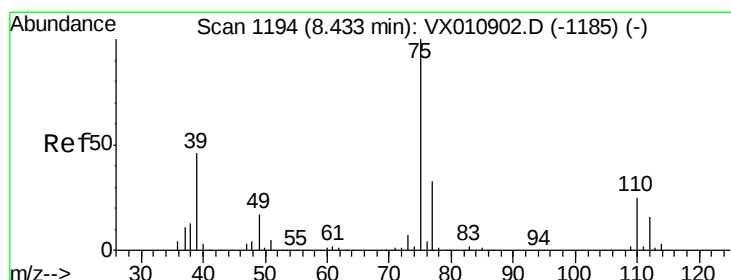
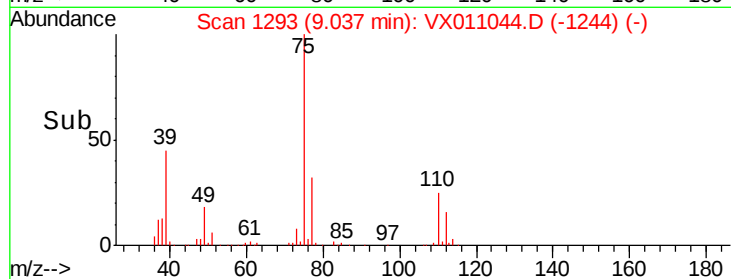
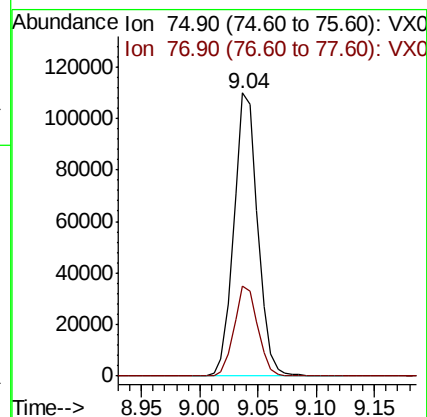
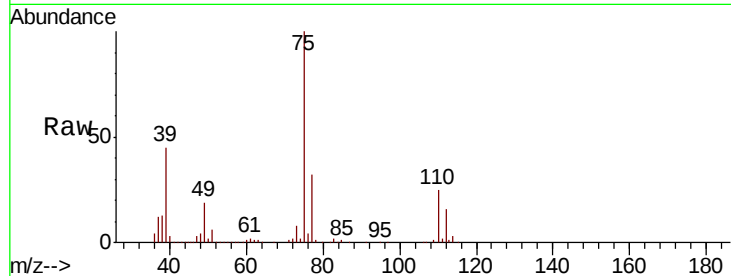
SU19-MSW0620MSD

Tot Ion: 75 Resp: 156651

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 50.648 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

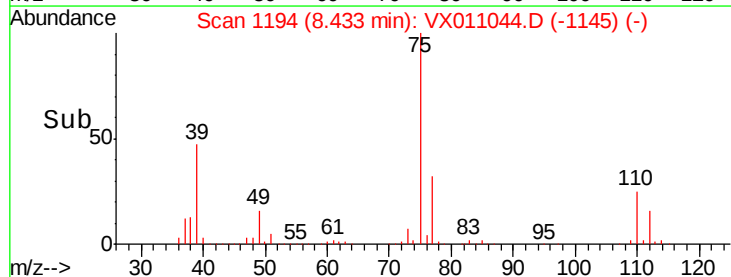
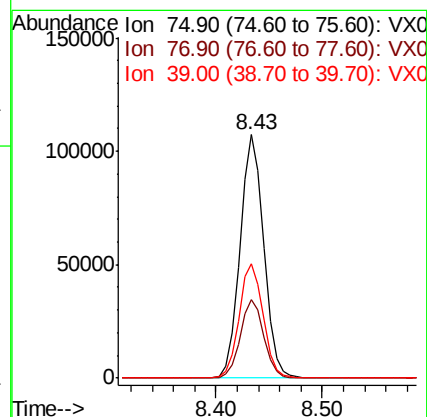
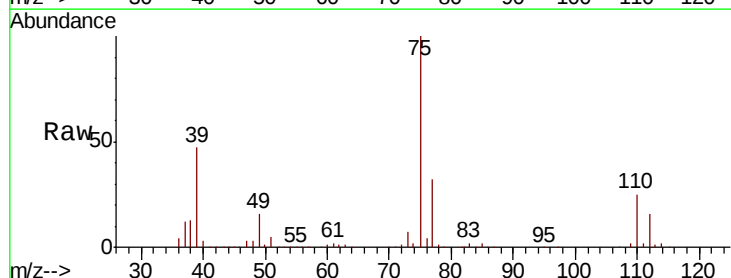
Tgt Ion: 75 Resp: 167690

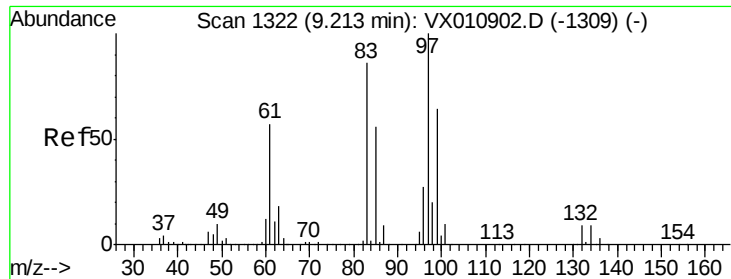
Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

39 46.9 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 51.611 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

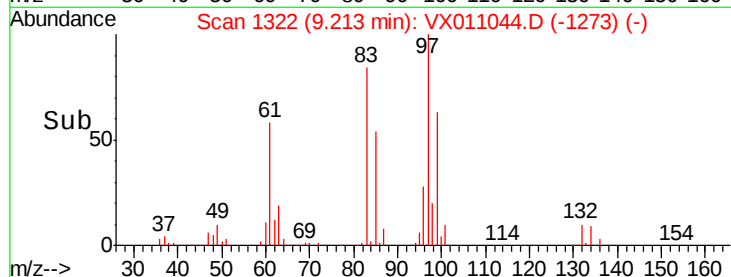
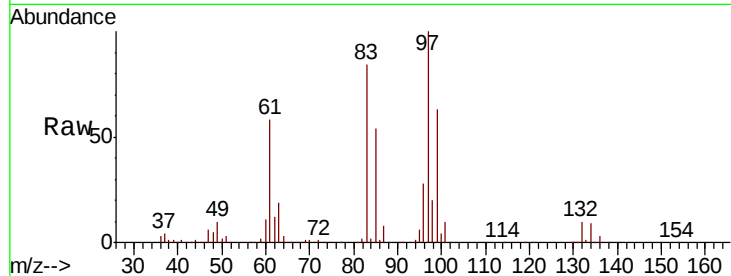
MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 97 Resp: 119324

Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.2	103.8
85	53.7	44.6	66.8
99	62.5	51.2	76.8

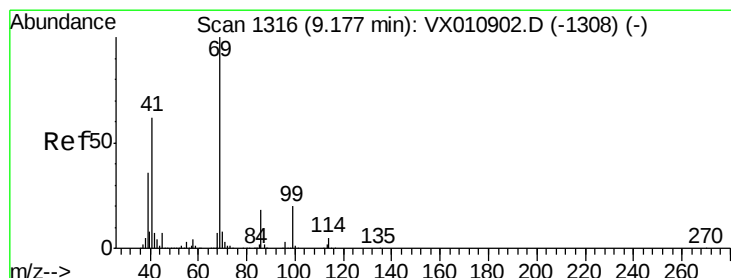


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 53.980 ug/l

RT: 9.18 min Scan# 1316

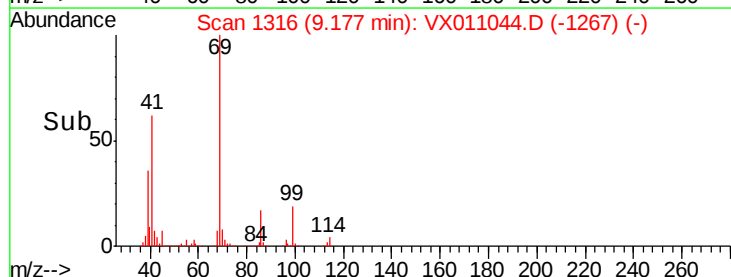
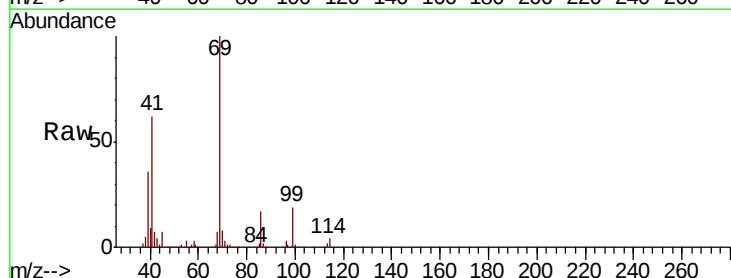
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion: 69 Resp: 182552

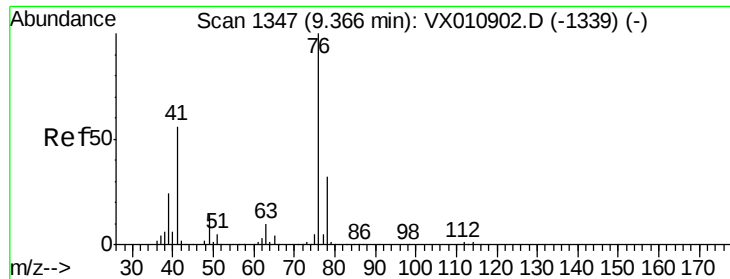
Ion	Ratio	Lower	Upper
69	100		
41	63.1	49.7	74.5
39	37.2	29.6	44.4



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: 50.422 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

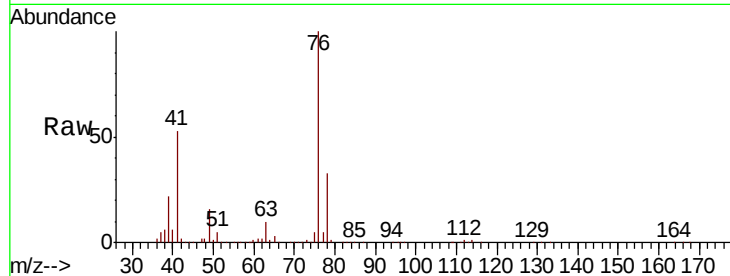
SU19-MSW0620MSD

Tot Ion: 76 Resp: 184930

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

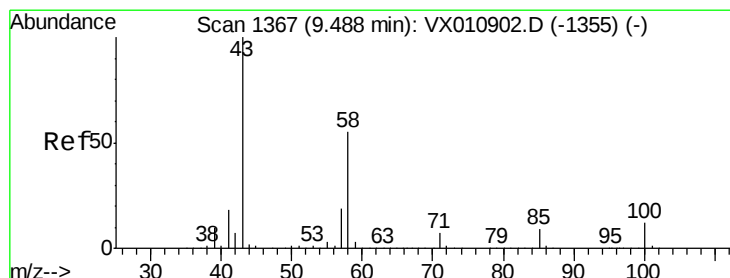
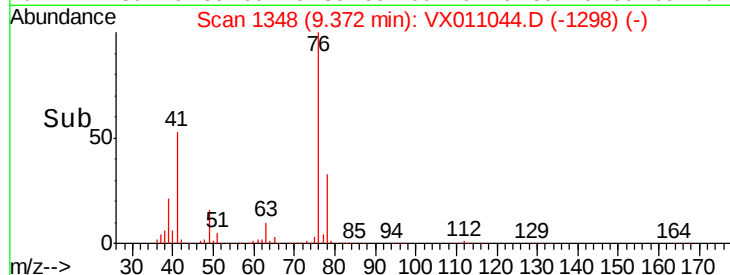
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#59

2-Hexanone

Concen: 268.364 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX011044.D

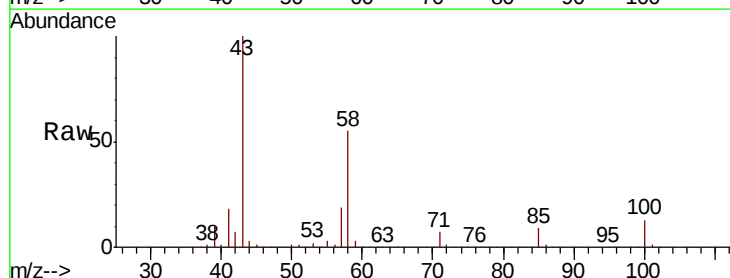
Acq: 22 Jul 2019 20:30

Tgt Ion: 43 Resp: 633921

Ion Ratio Lower Upper

43 100

58 55.6 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

300000

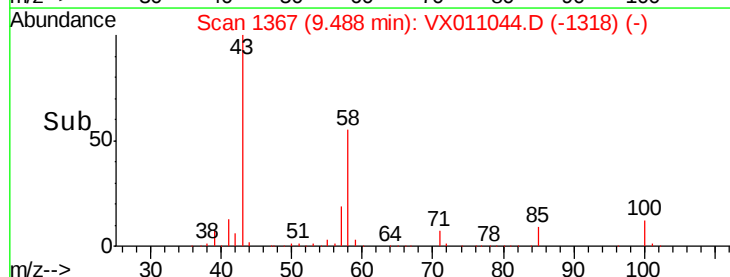
200000

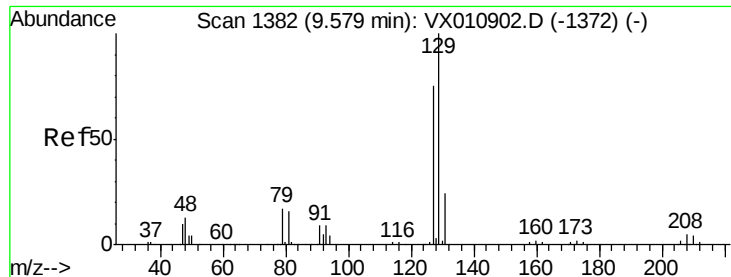
100000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 48.906 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

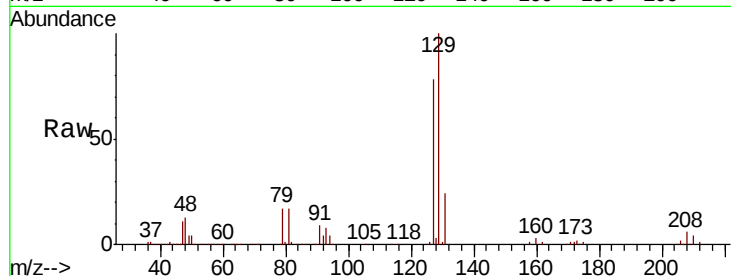
SU19-MSW0620MSD

Tot Ion:129 Resp: 129975

Ion Ratio Lower Upper

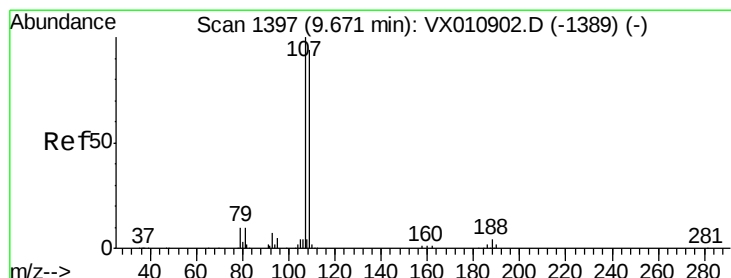
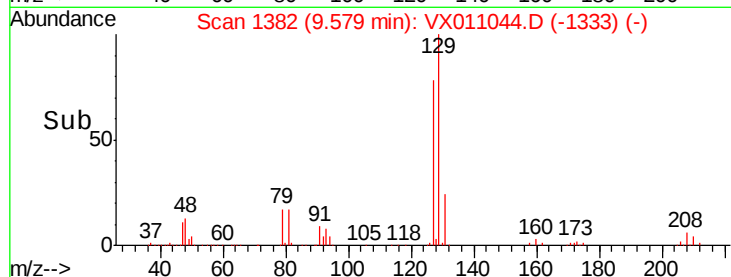
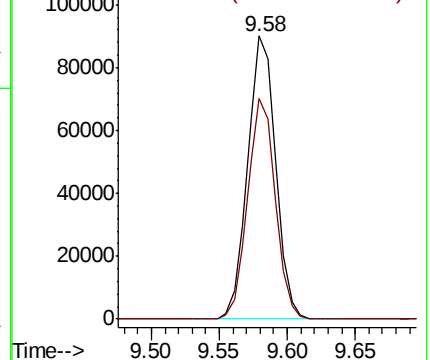
129 100

127 76.9 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.845 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011044.D

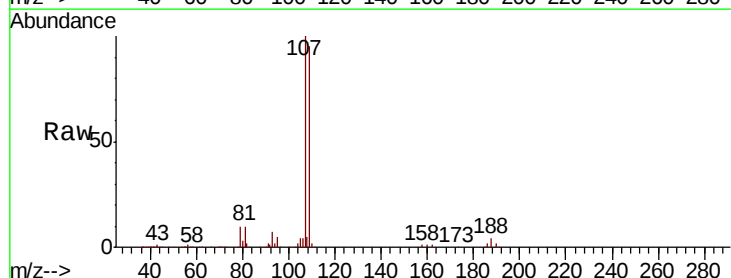
Acq: 22 Jul 2019 20:30

Tgt Ion:107 Resp: 127207

Ion Ratio Lower Upper

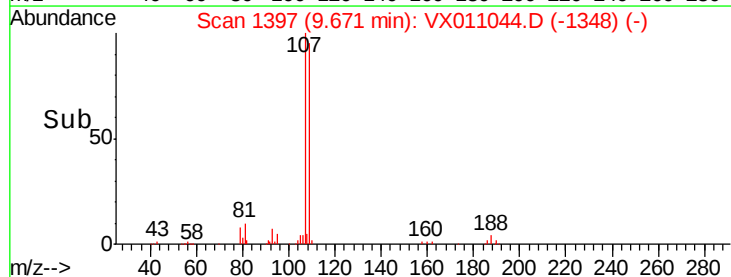
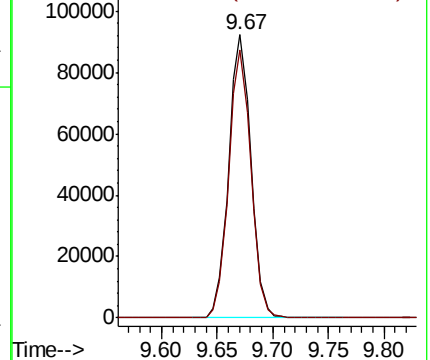
107 100

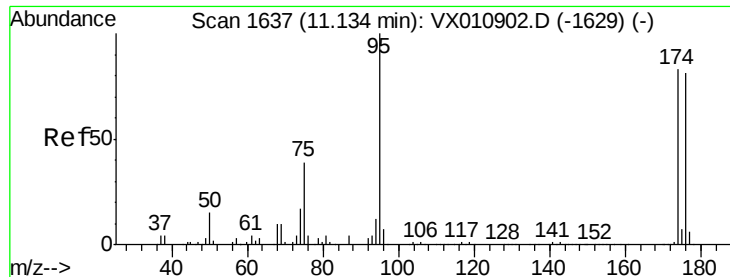
109 95.0 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 53.679 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

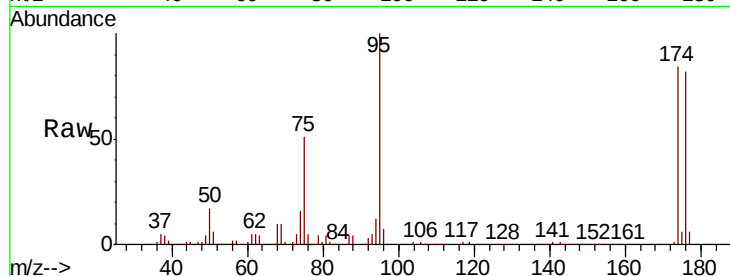
Tot Ion: 95 Resp: 159563

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.6

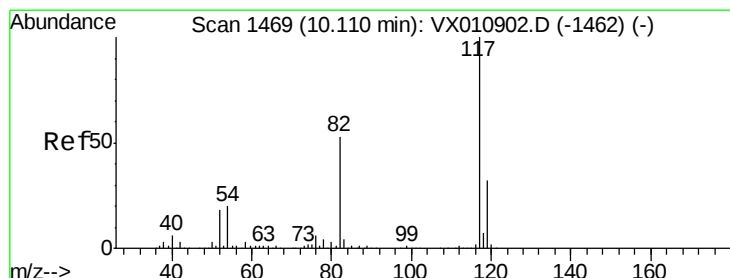
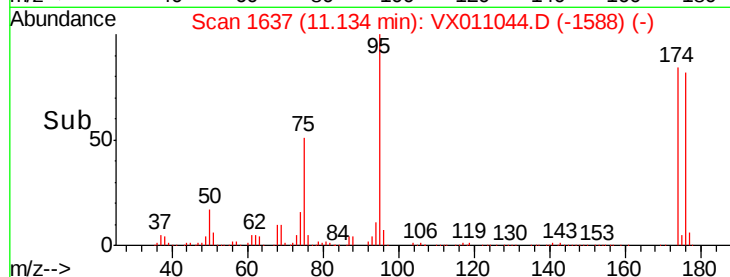
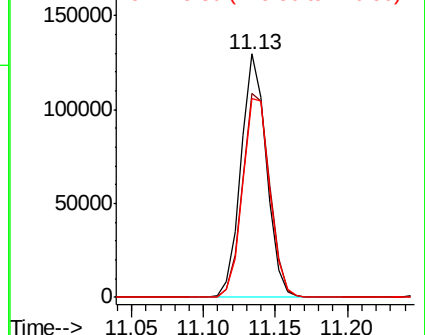
176 87.1 0.0 173.8



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: VX011044.D

Acq: 22 Jul 2019 20:30

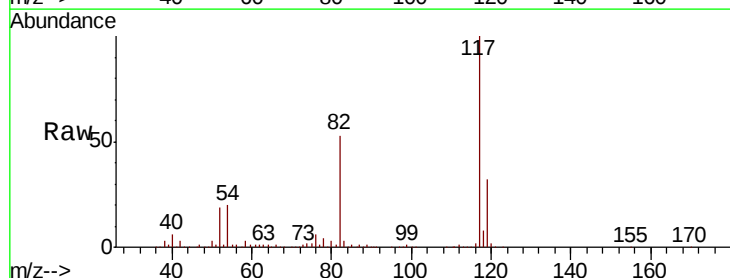
Tgt Ion: 117 Resp: 313584

Ion Ratio Lower Upper

117 100

82 52.9 42.6 63.8

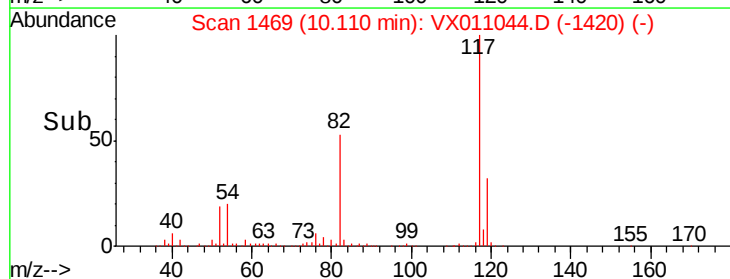
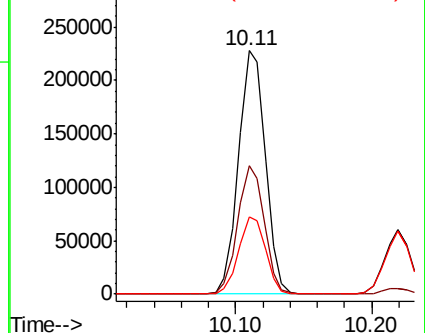
119 31.6 25.9 38.9

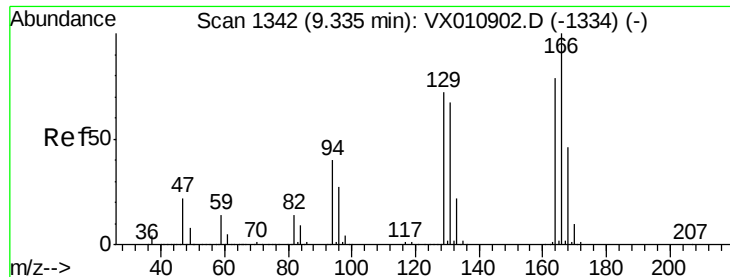


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

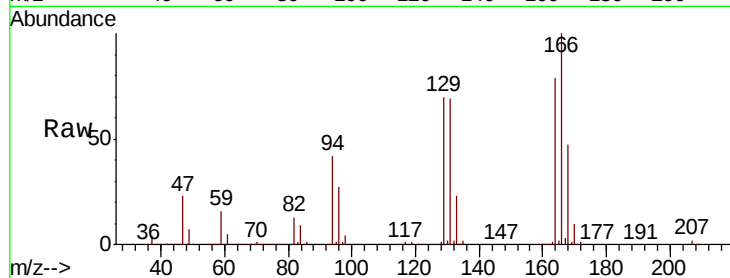




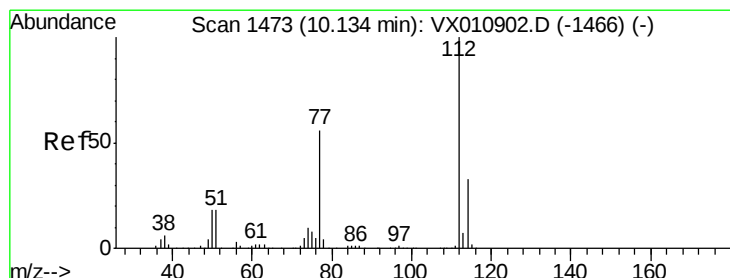
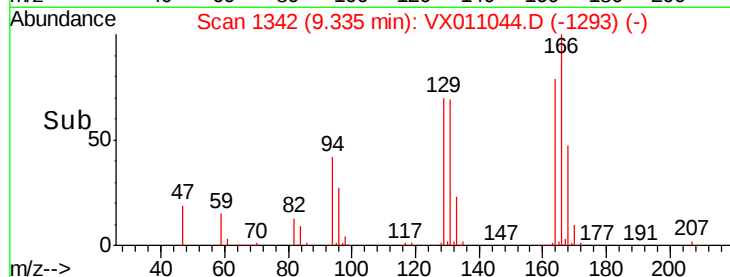
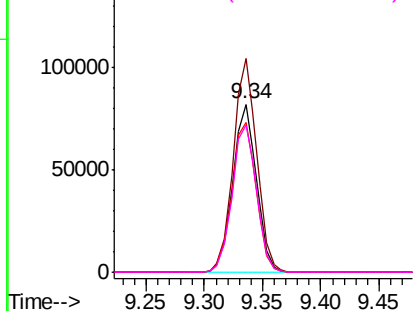
#64
Tetrachloroethene
Concen: 47.005 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion:164 Resp: 115958
Ion Ratio Lower Upper
164 100
166 127.4 100.8 151.2
129 89.5 72.6 109.0
131 87.8 67.7 101.5

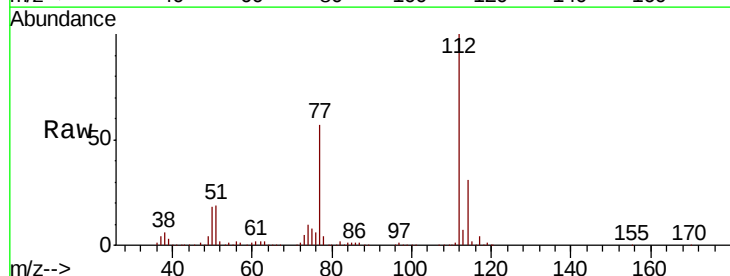


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

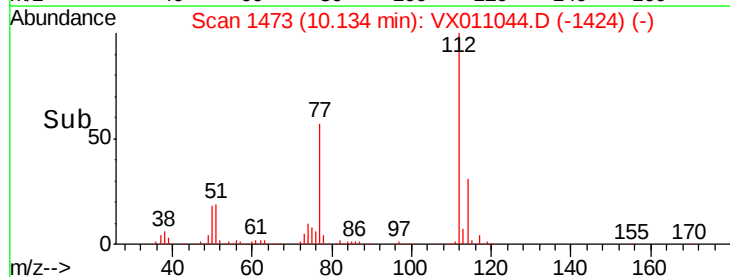
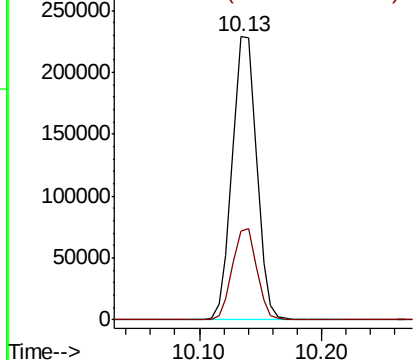


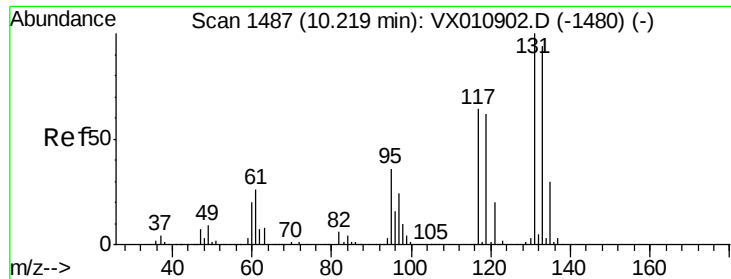
#65
Chlorobenzene
Concen: 48.979 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion:112 Resp: 315459
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

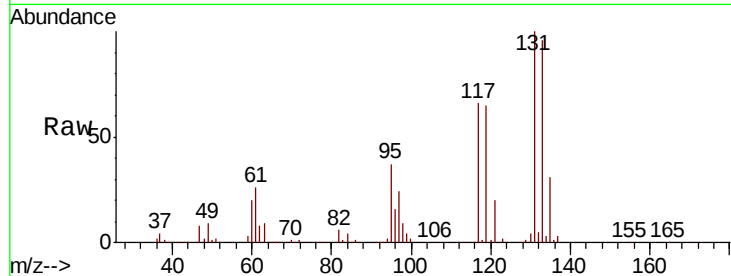




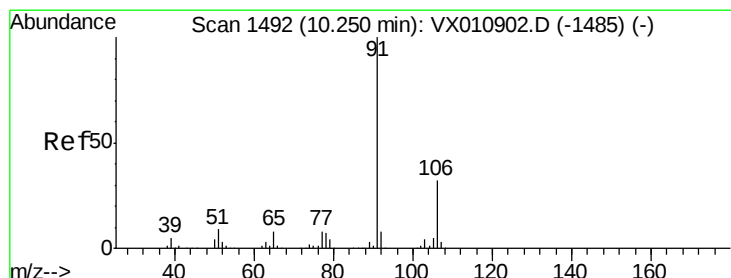
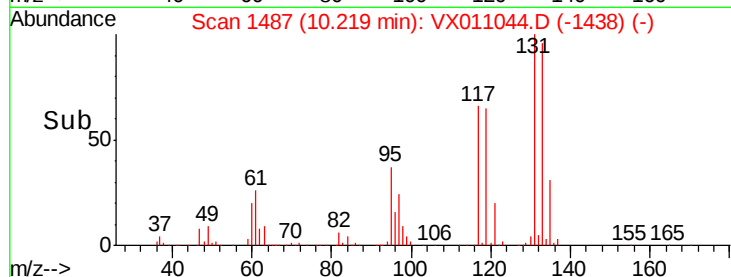
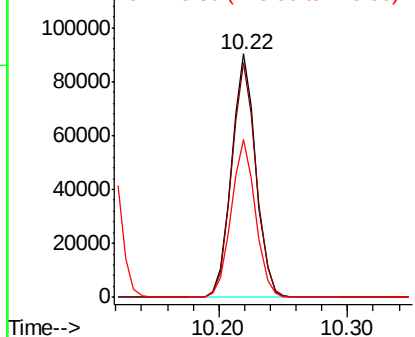
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.315 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion:131 Resp: 118421
 Ion Ratio Lower Upper
 131 100
 133 97.1 47.1 141.4
 119 64.9 31.9 95.7

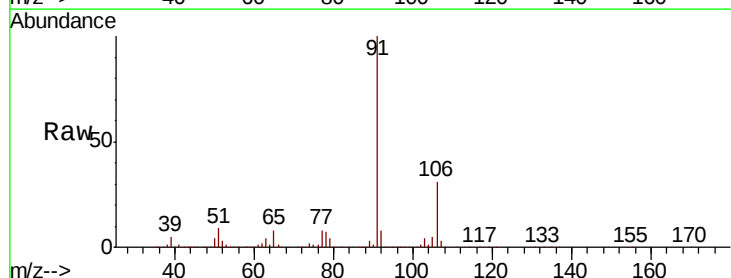


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

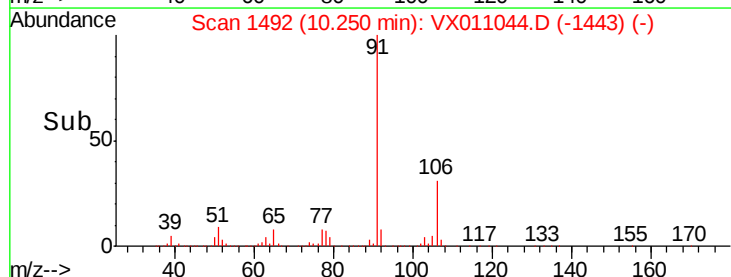
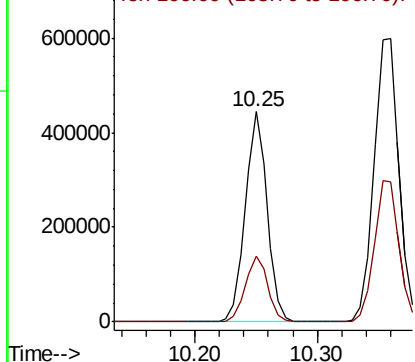


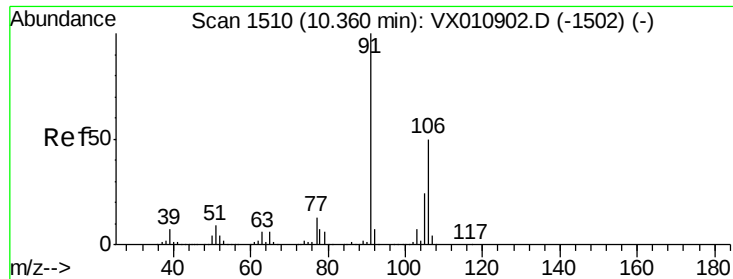
#67
 Ethyl Benzene
 Concen: 50.080 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 91 Resp: 549024
 Ion Ratio Lower Upper
 91 100
 106 31.2 25.4 38.2



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

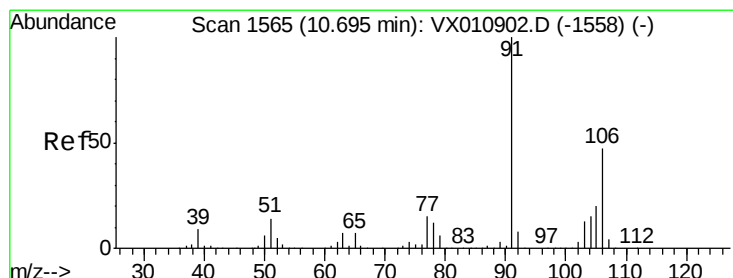
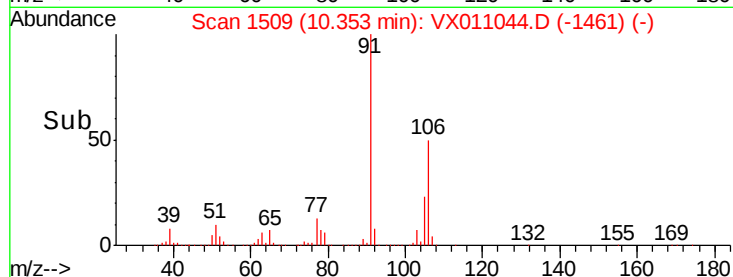
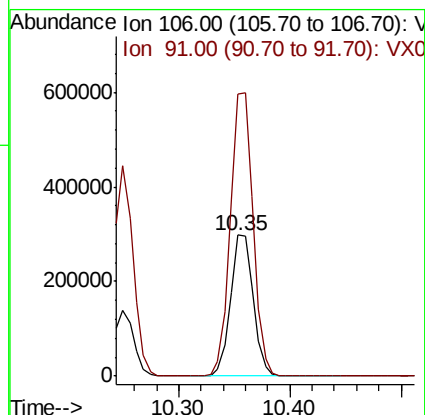
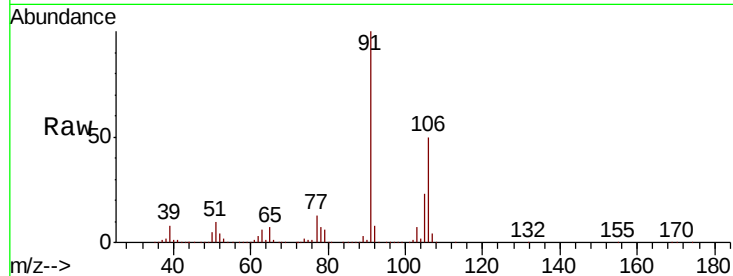




#68
m/p-Xylenes
Concen: 99.229 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

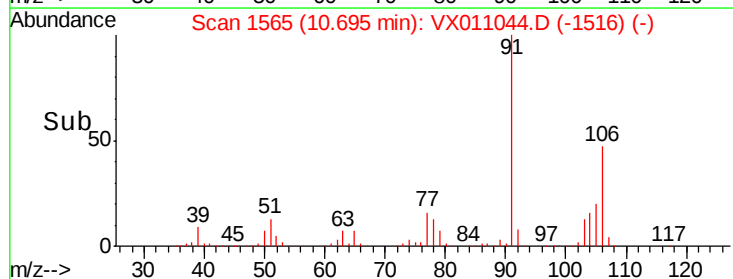
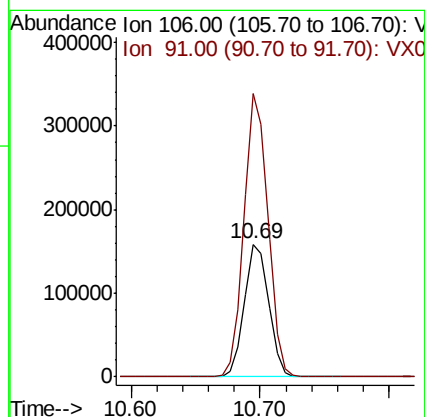
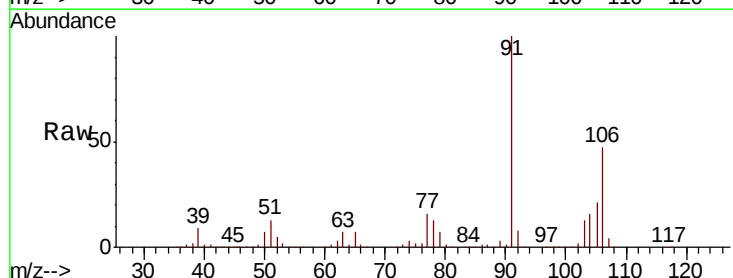
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

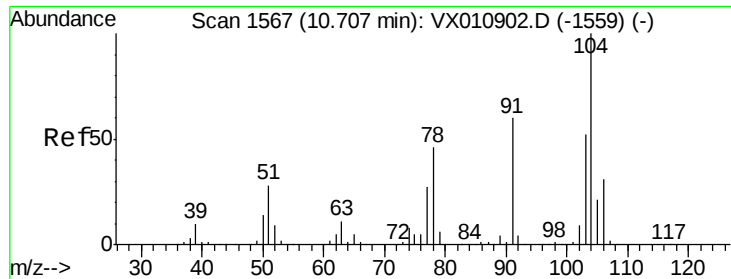
Tot Ion:106 Resp: 417286
Ion Ratio Lower Upper
106 100
91 202.5 160.1 240.1



#69
o-Xylene
Concen: 50.321 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion:106 Resp: 206527
Ion Ratio Lower Upper
106 100
91 210.3 105.1 315.3

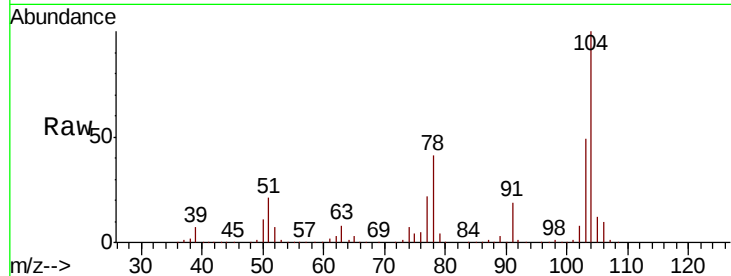




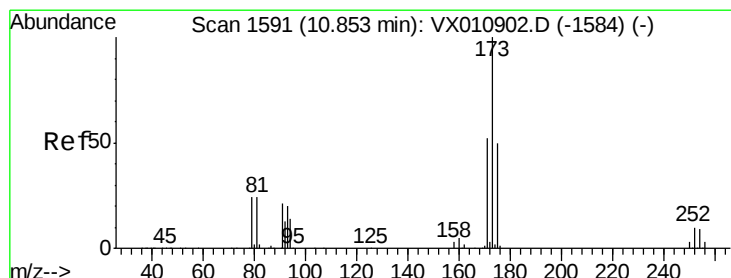
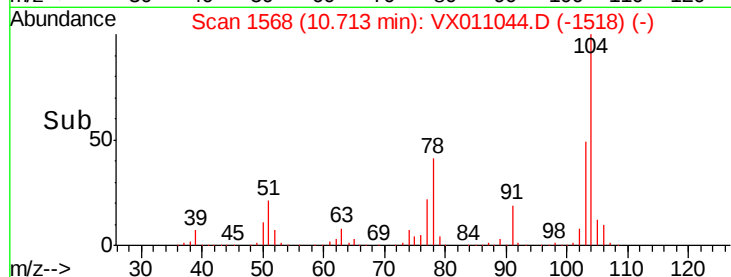
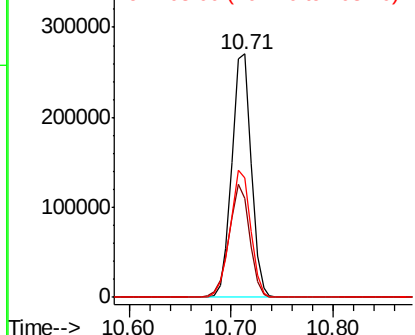
#70
Stvrene
Concen: 51.698 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion:104 Resp: 353702
Ion Ratio Lower Upper
104 100
78 49.2 38.8 58.2
103 55.5 44.2 66.4

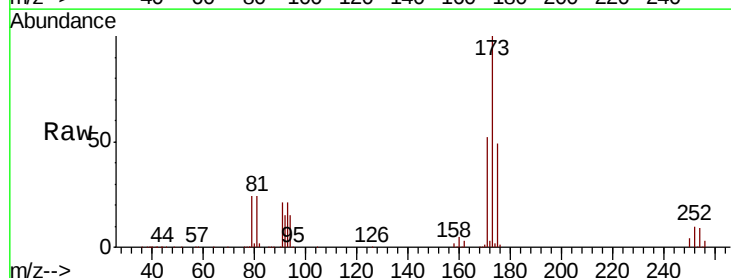


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

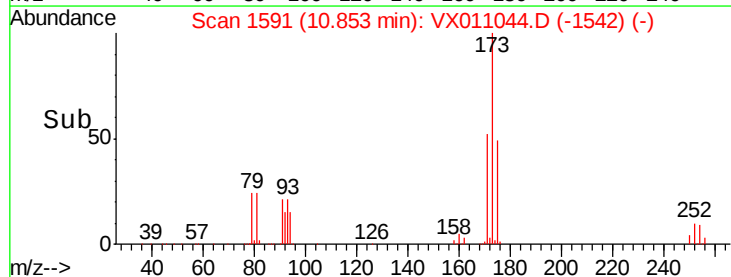
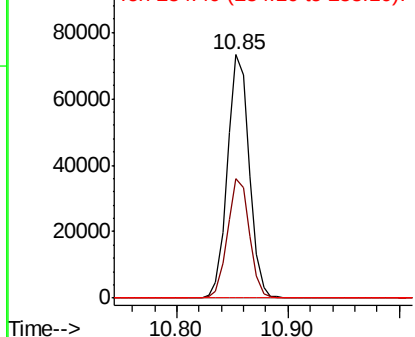


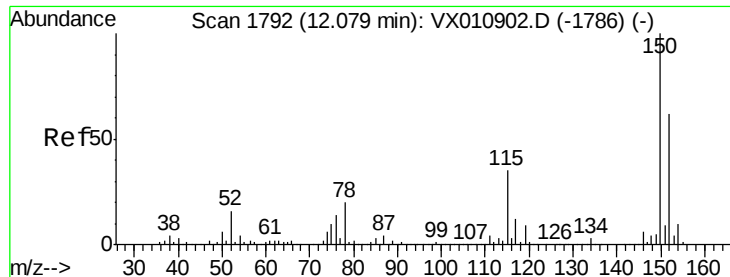
#71
Bromoform
Concen: 48.138 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion:173 Resp: 99010
Ion Ratio Lower Upper
173 100
175 49.2 24.6 73.6
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: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

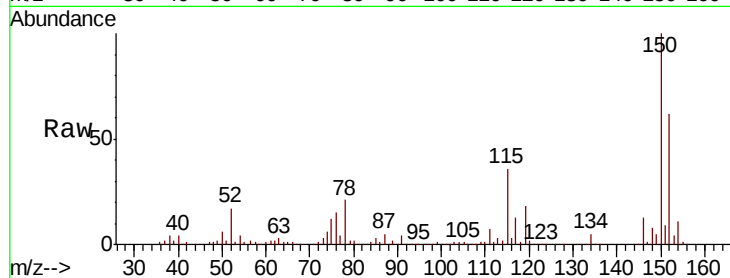
Tot Ion:152 Resp: 164181

Ion Ratio Lower Upper

152 100

115 81.0 39.7 119.1

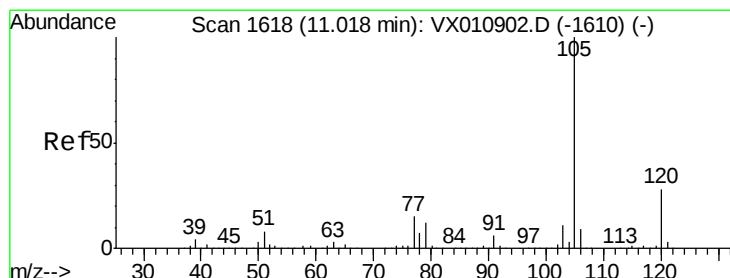
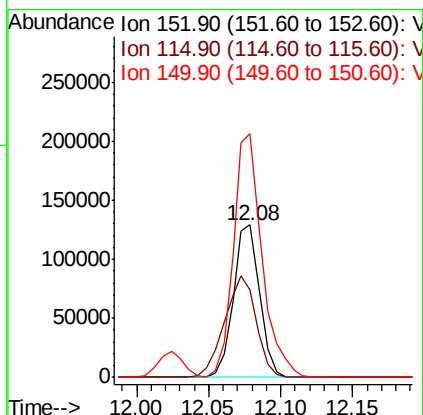
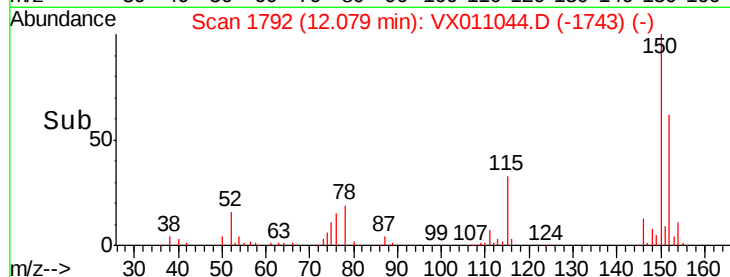
150 173.8 0.0 345.6



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: 50.244 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011044.D

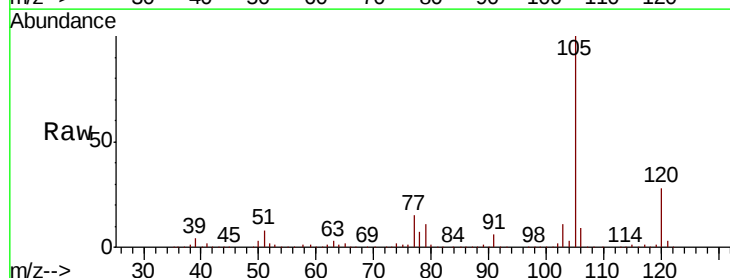
Acq: 22 Jul 2019 20:30

Tgt Ion:105 Resp: 557391

Ion Ratio Lower Upper

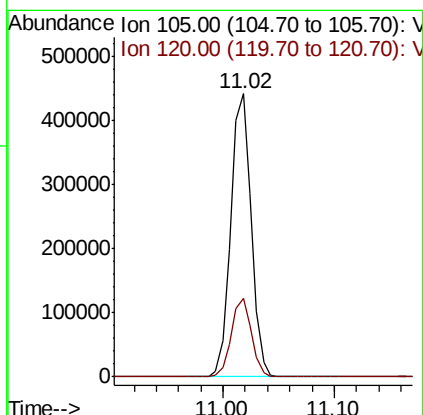
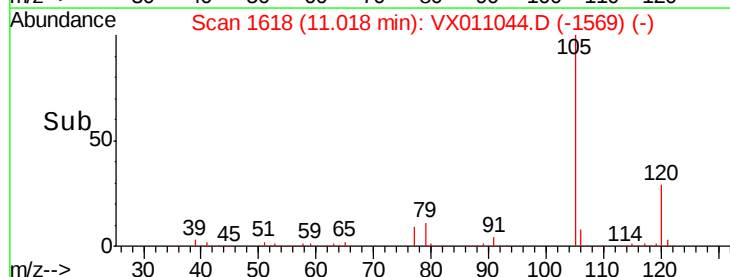
105 100

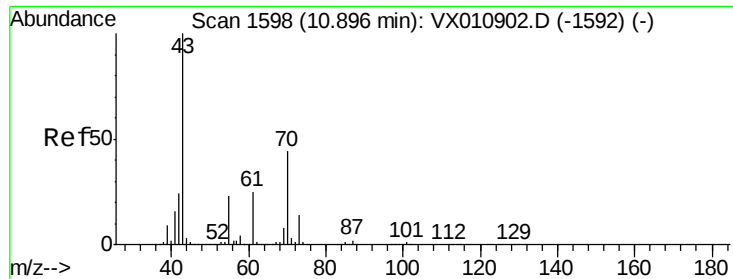
120 27.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.244 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 43 Resp: 200259

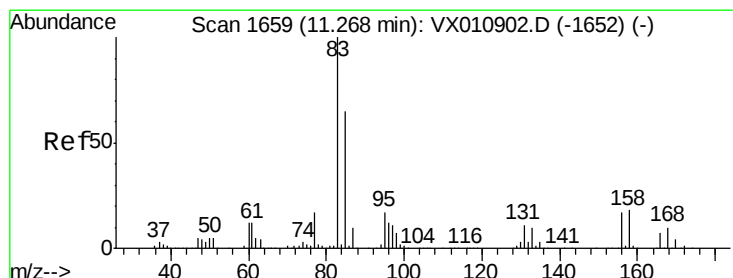
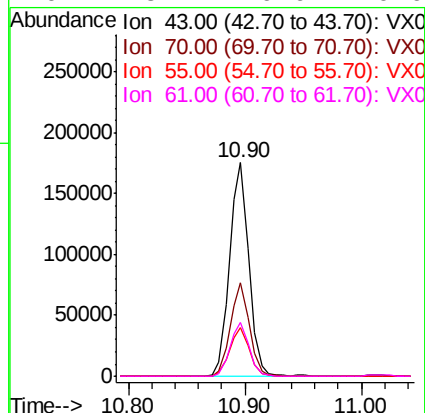
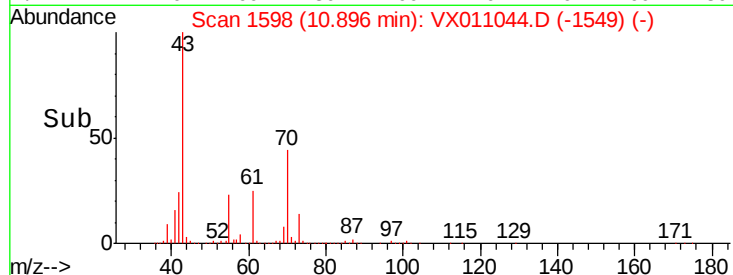
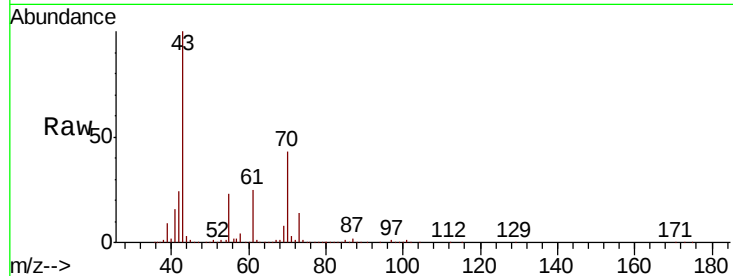
Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.7	52.1
55	23.4	19.1	28.7
61	25.1	19.9	29.9

43 100

70 43.2 34.7 52.1

55 23.4 19.1 28.7

61 25.1 19.9 29.9



#75

1,1,2,2-Tetrachloroethane

Concen: 51.500 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

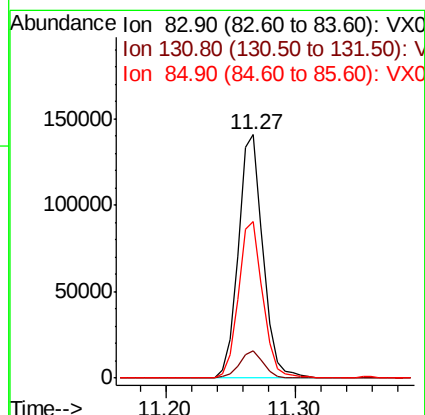
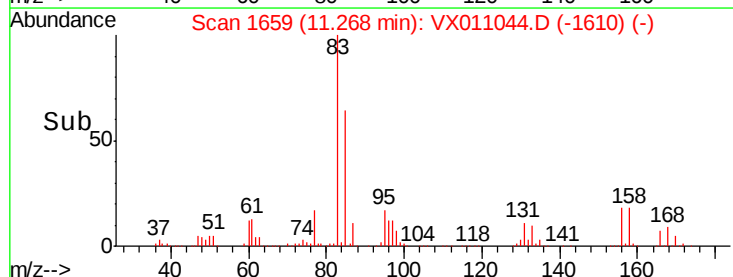
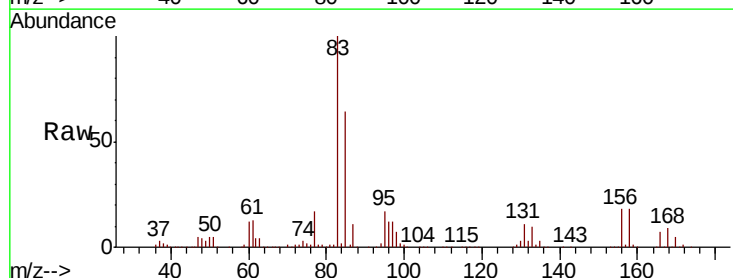
Tgt Ion: 83 Resp: 186971

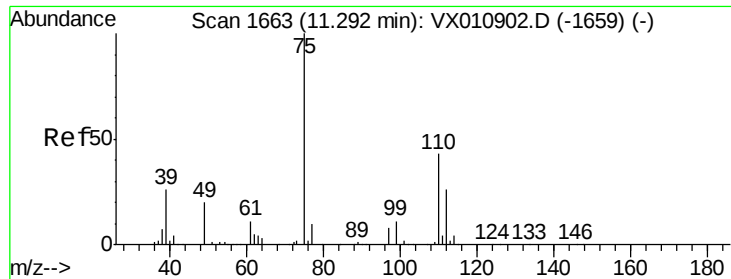
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.1	32.3	96.9

83 100

131 10.9 5.5 16.4

85 64.1 32.3 96.9





#76

1,2,3-Trichloropropane

Concen: 70.256 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

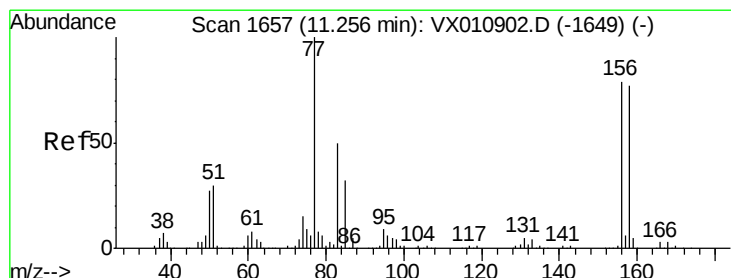
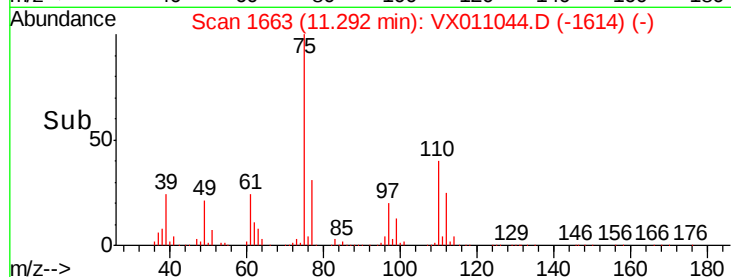
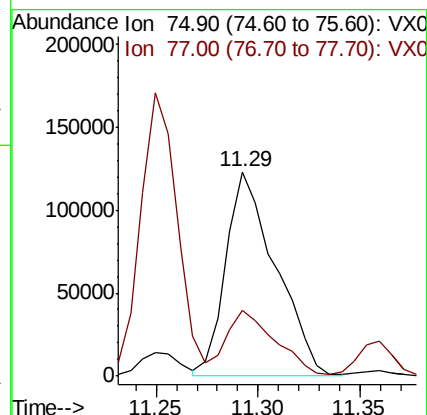
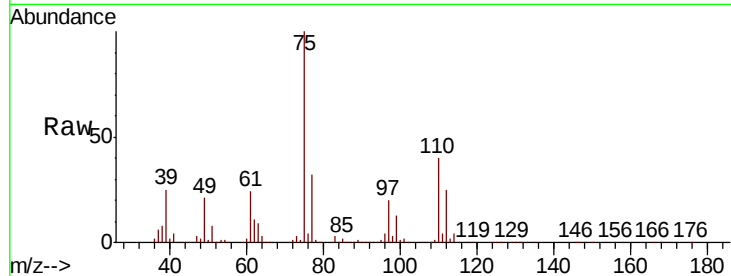
SU19-MSW0620MSD

Tot Ion: 75 Resp: 208149

Ion Ratio Lower Upper

75 100

77 32.0 21.3 64.0



#77

Bromobenzene

Concen: 48.726 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

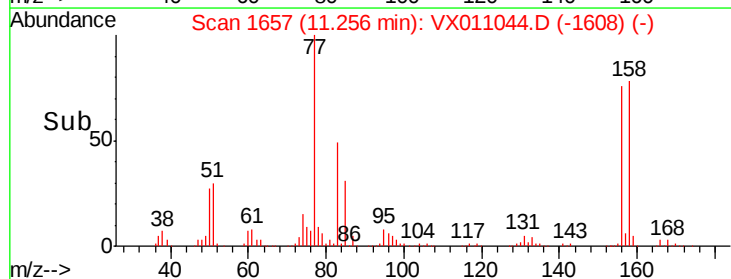
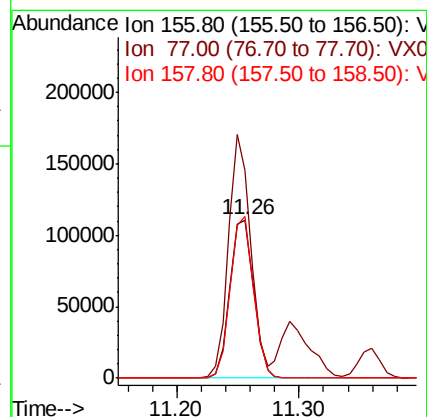
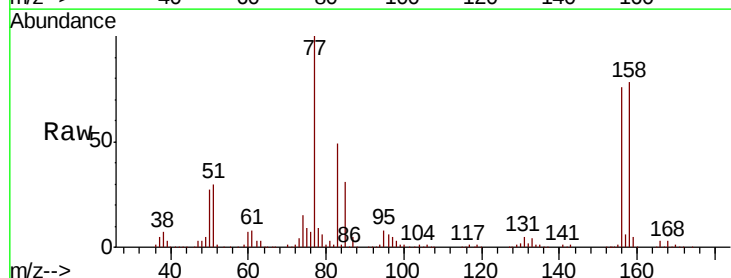
Tgt Ion: 156 Resp: 149102

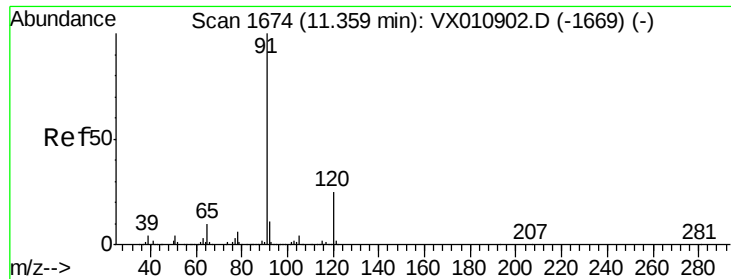
Ion Ratio Lower Upper

156 100

77 143.1 68.7 206.1

158 98.9 47.9 143.7





#78

n-propylbenzene

Concen: 50.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

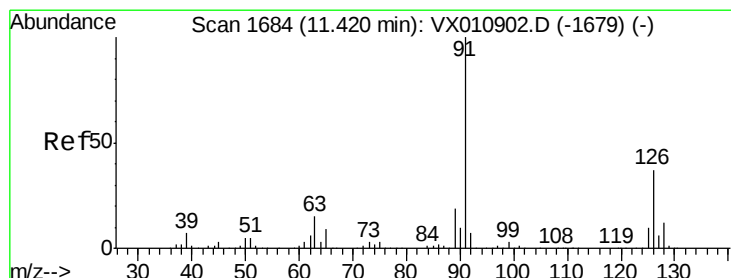
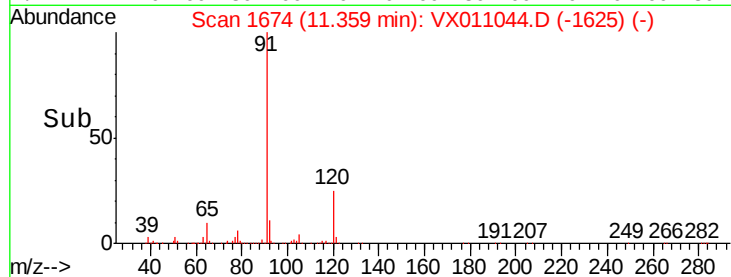
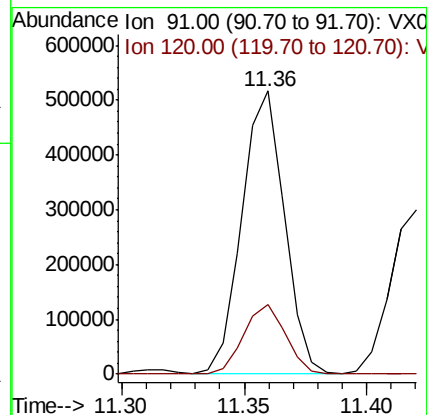
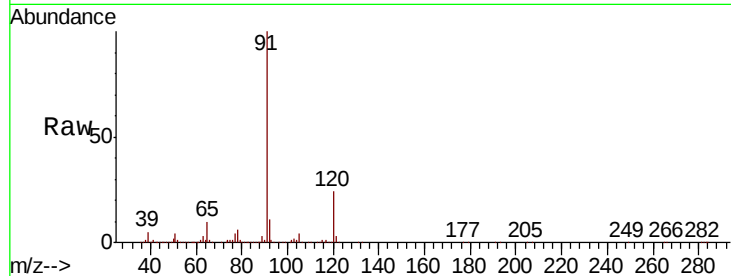
SU19-MSW0620MSD

Tot Ion: 91 Resp: 622412

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.8



#79

2-Chlorotoluene

Concen: 50.855 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011044.D

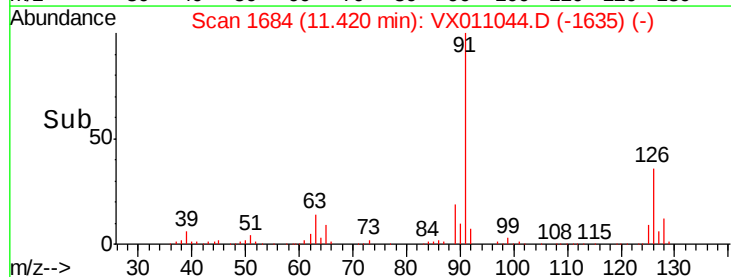
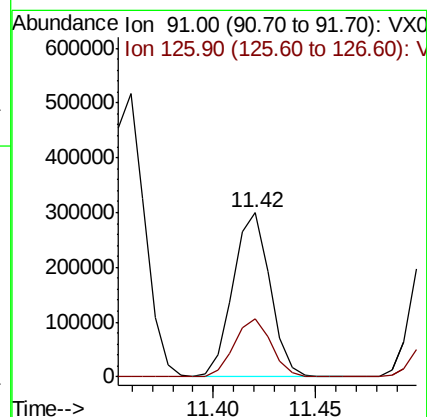
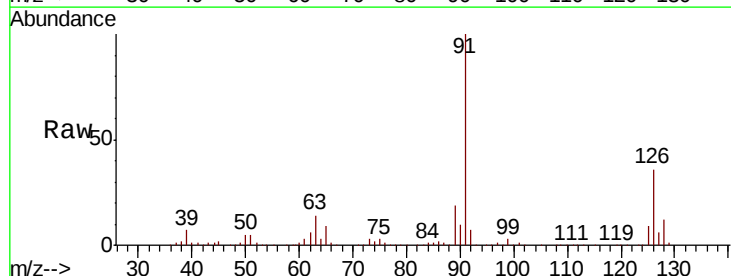
Acq: 22 Jul 2019 20:30

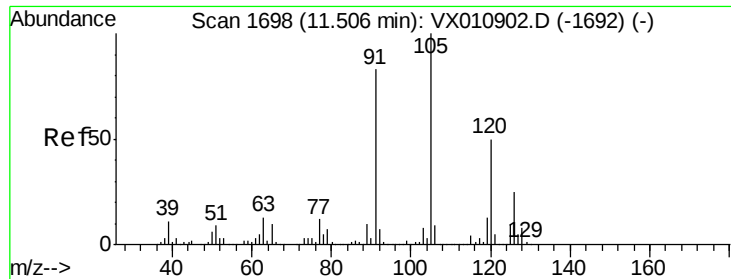
Tgt Ion: 91 Resp: 374469

Ion Ratio Lower Upper

91 100

126 35.7 18.0 54.0

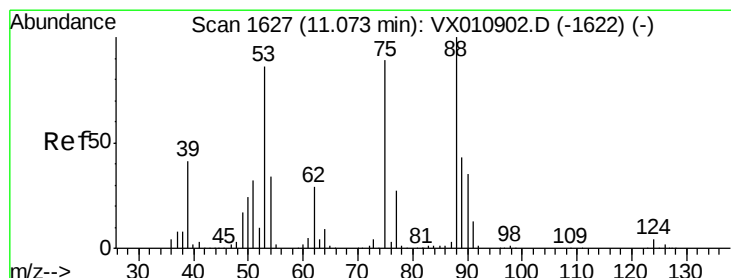
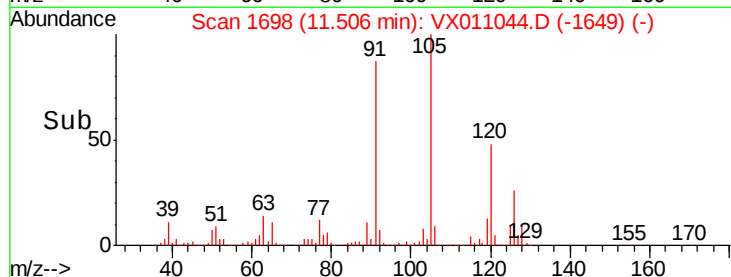
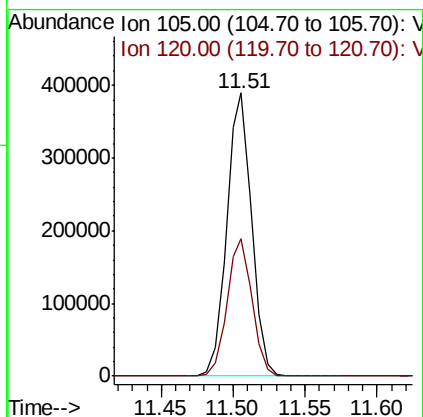
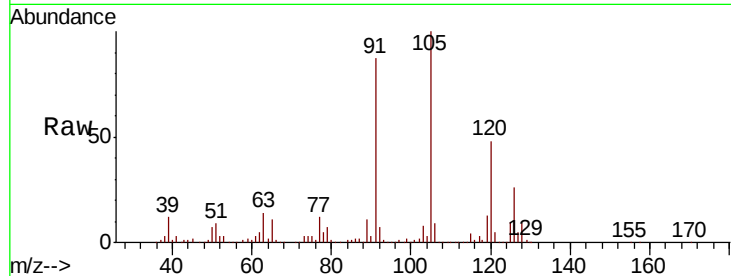




#80
 1,3,5-Trimethylbenzene
 Concen: 50.786 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

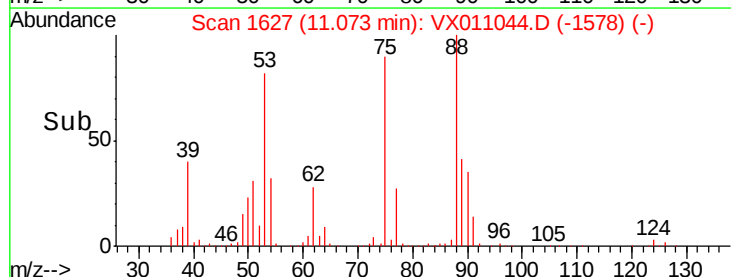
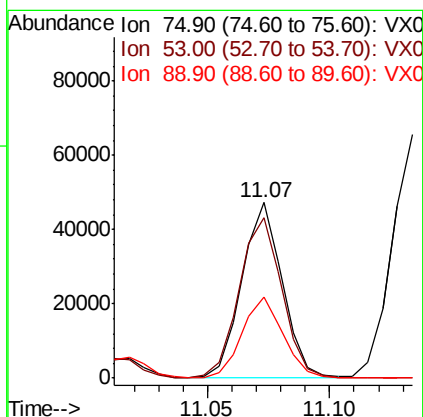
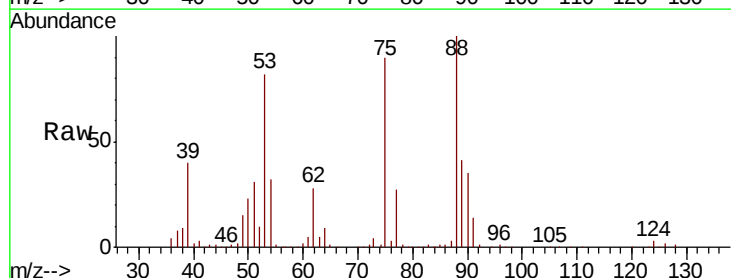
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

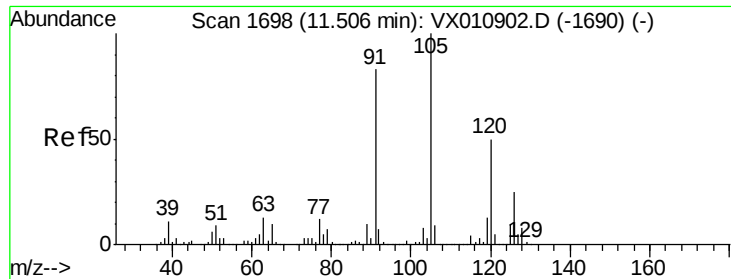
Tot Ion:105 Resp: 470784
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.480 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 75 Resp: 53998
 Ion Ratio Lower Upper
 75 100
 53 96.9 76.7 115.1
 89 47.1 38.5 57.7





#82

4-Chlorotoluene

Concen: 50.908 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

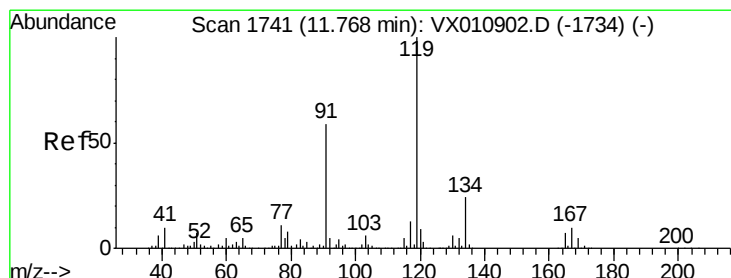
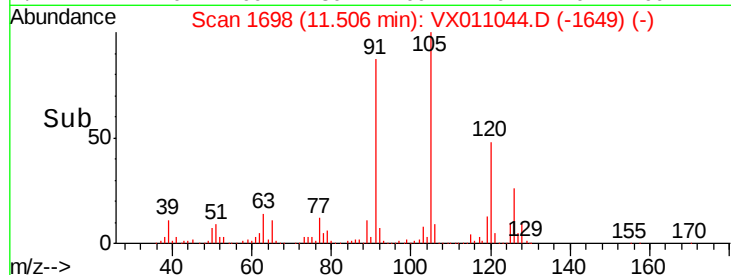
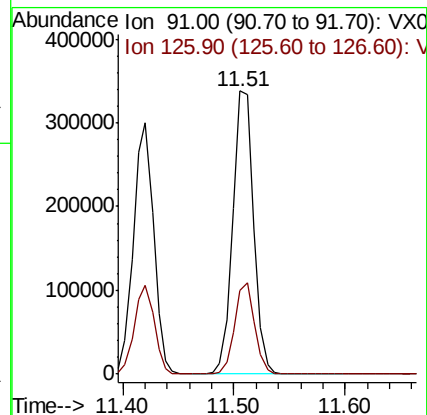
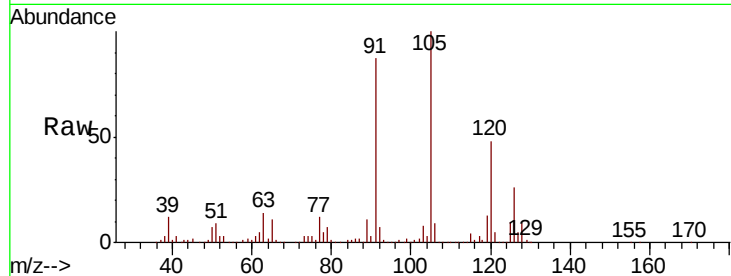
SU19-MSW0620MSD

Tot Ion: 91 Resp: 436290

Ion Ratio Lower Upper

91 100

126 31.1 15.9 47.7



#83

tert-Butylbenzene

Concen: 51.169 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

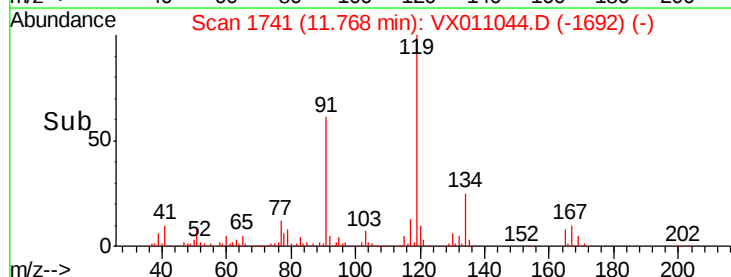
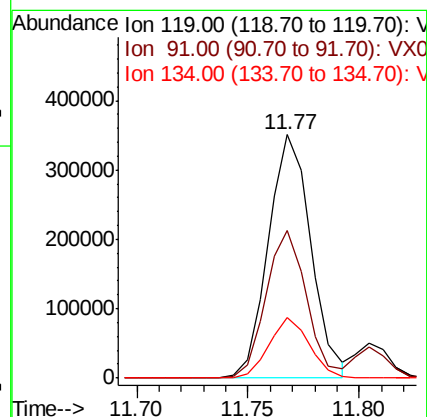
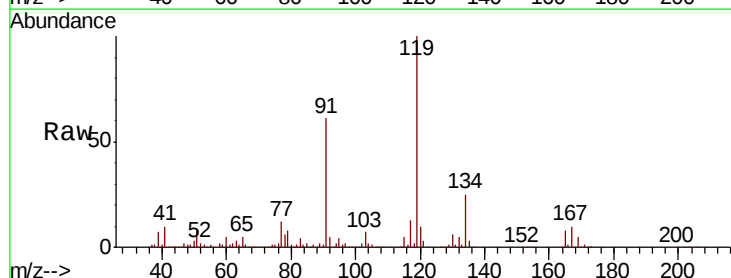
Tgt Ion: 119 Resp: 465909

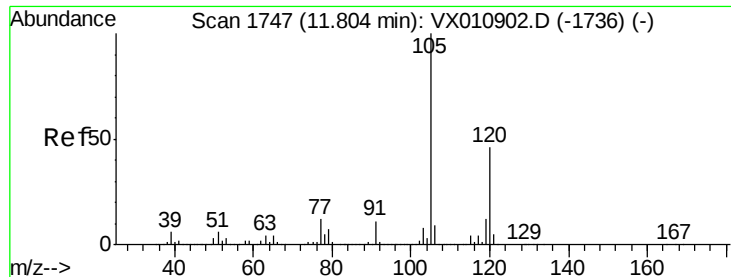
Ion Ratio Lower Upper

119 100

91 57.9 28.6 85.8

134 23.6 11.6 34.8

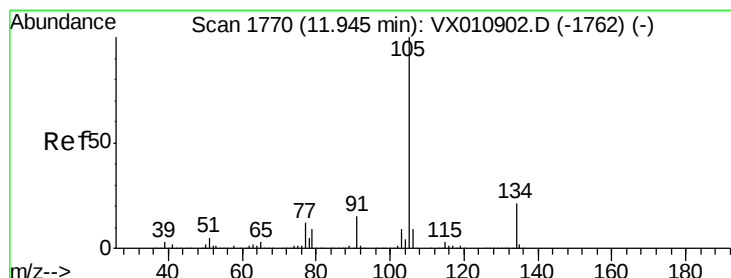
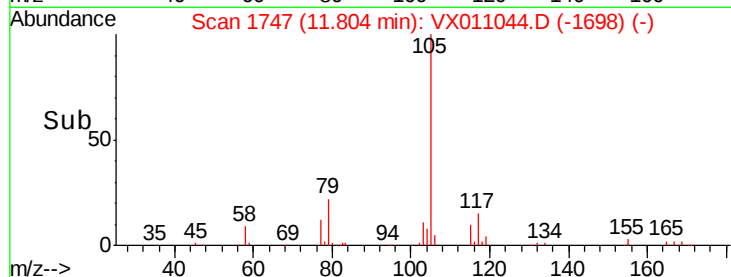
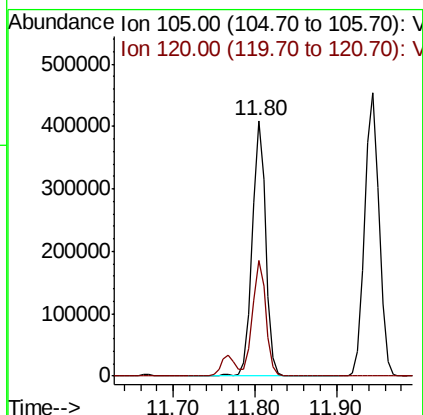
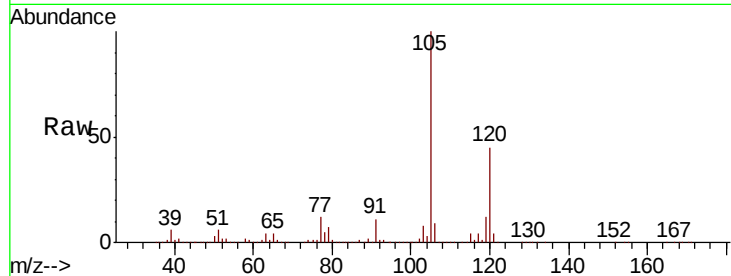




#84
 1,2,4-Trimethylbenzene
 Concen: 50.866 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

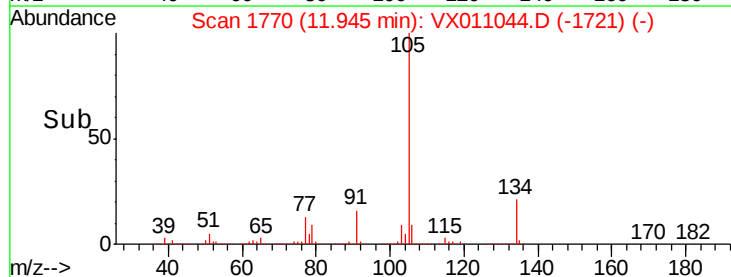
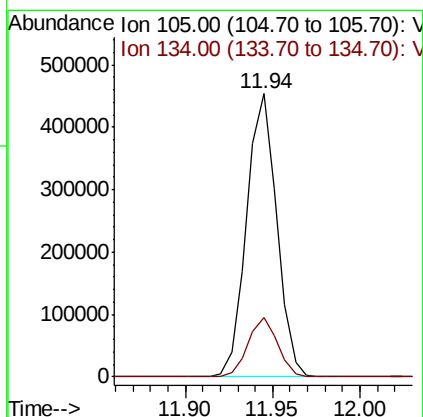
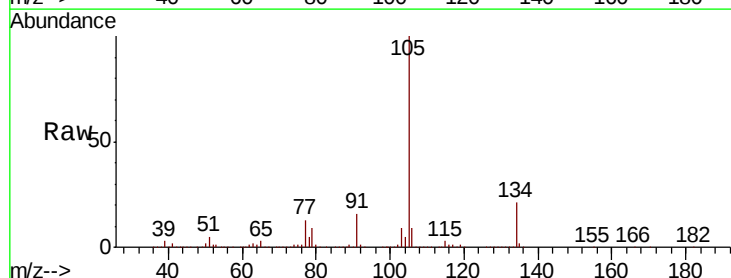
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

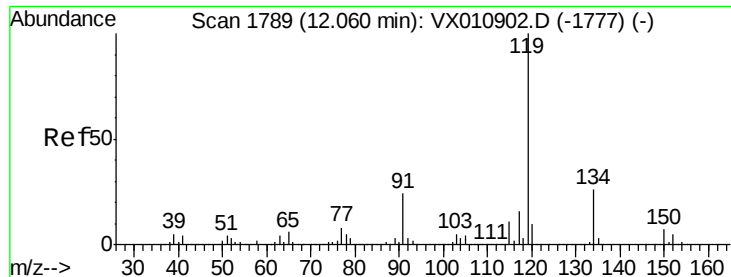
Tot Ion:105 Resp: 475249
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.9 68.5



#85
 sec-Butylbenzene
 Concen: 50.937 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion:105 Resp: 543457
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4

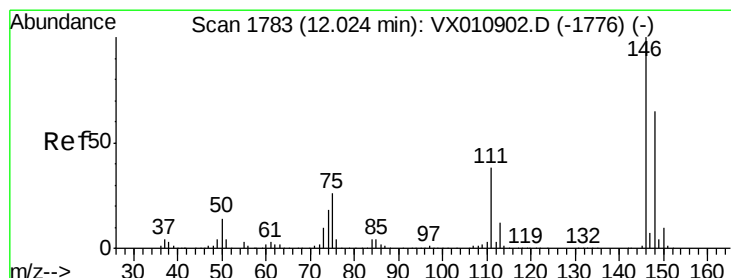
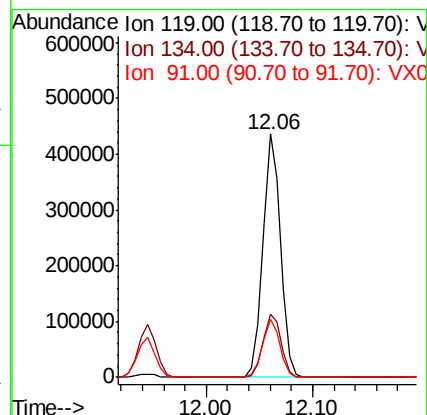
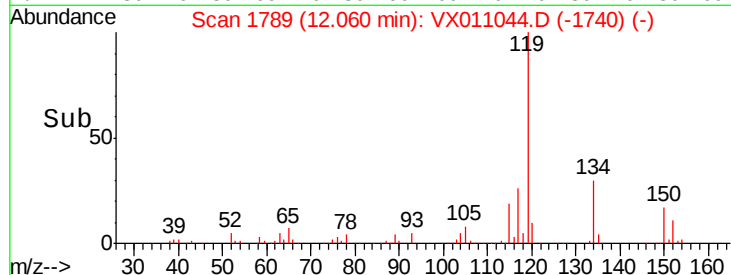
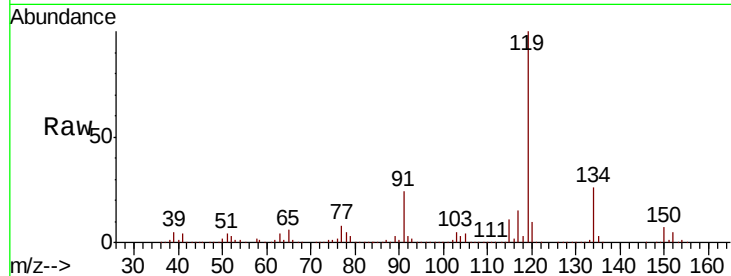




#86
 p-Isopropyltoluene
 Concen: 51.463 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

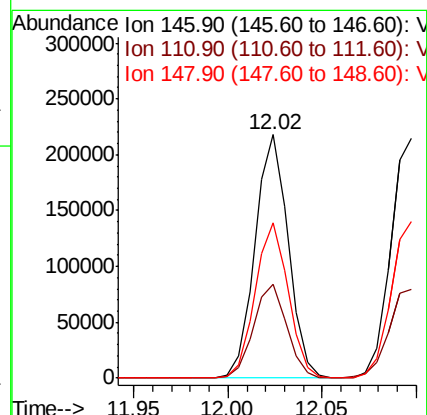
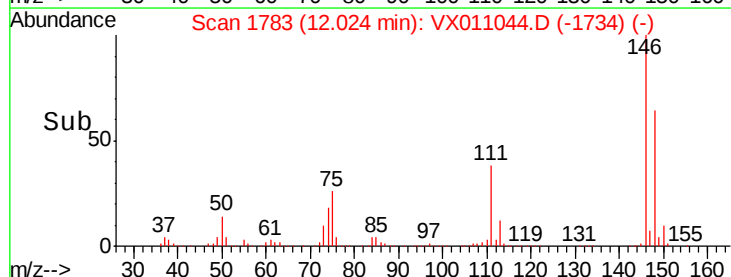
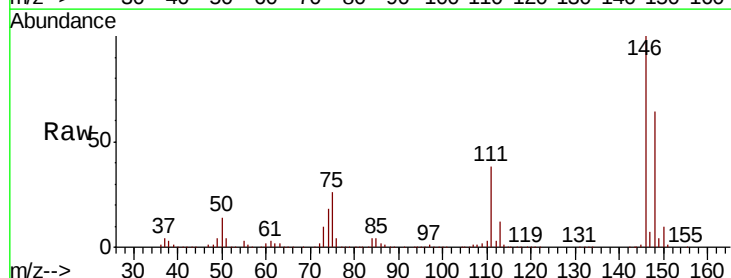
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

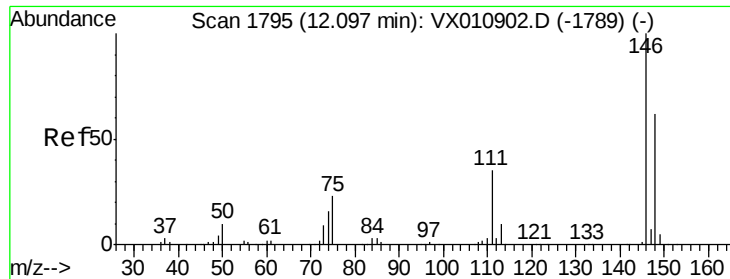
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.1
91	23.7	11.8	35.4



#87
 1,3-Dichlorobenzene
 Concen: 49.998 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	63.8	32.2	96.6

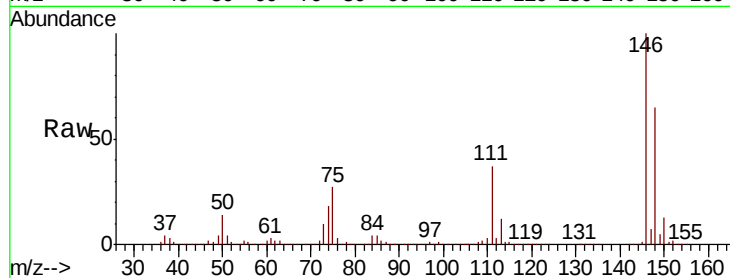




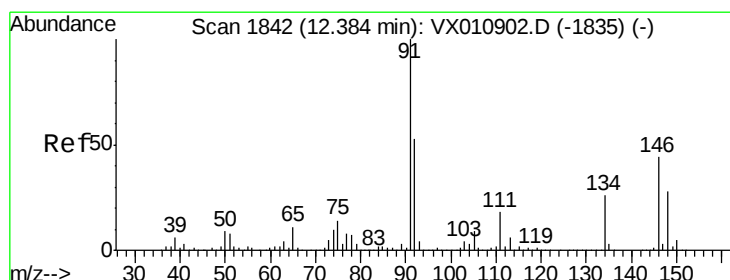
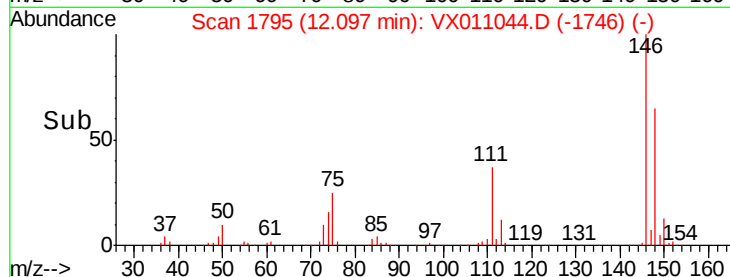
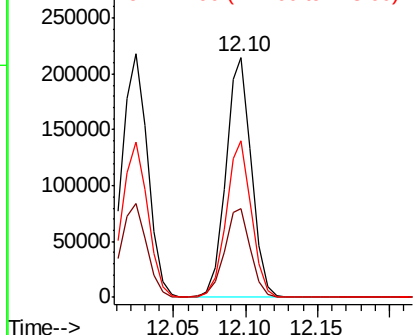
#88
1,4-Dichlorobenzene
Concen: 48.944 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion:146 Resp: 266568
Ion Ratio Lower Upper
146 100
111 38.0 18.6 55.8
148 64.7 31.6 94.7

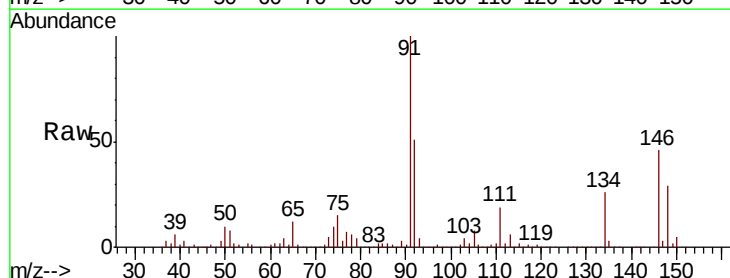


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

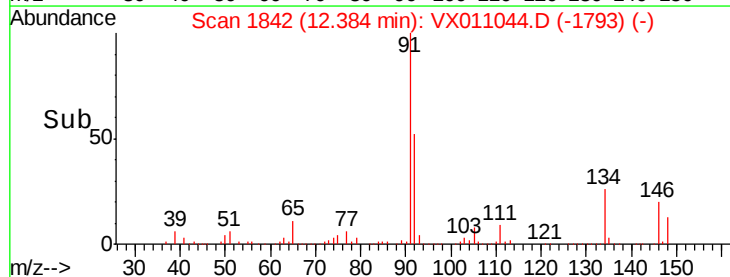
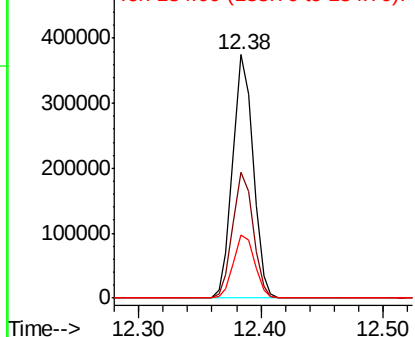


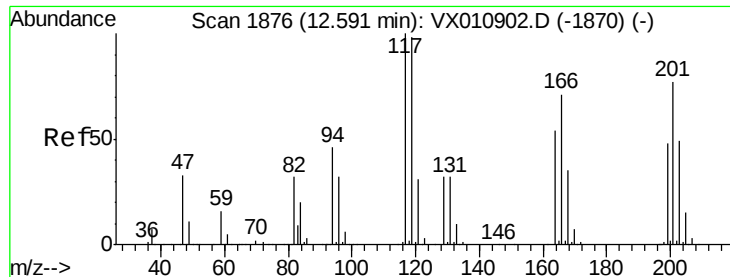
#89
n-Butylbenzene
Concen: 51.150 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 91 Resp: 431634
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.5
134 27.1 13.8 41.3



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: 52.177 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

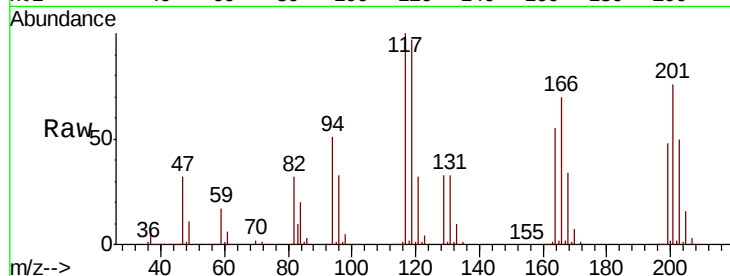
SU19-MSW0620MSD

Tot Ion:117 Resp: 81174

Ion Ratio Lower Upper

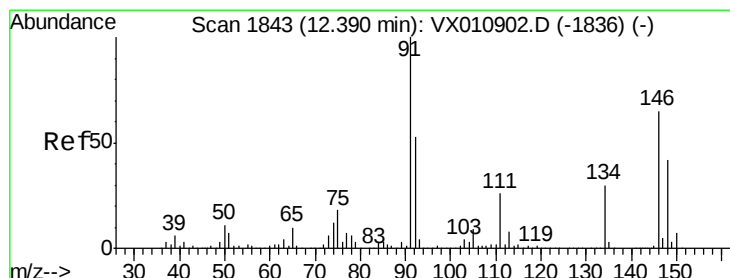
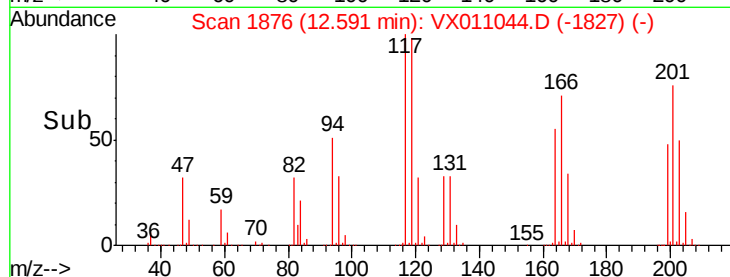
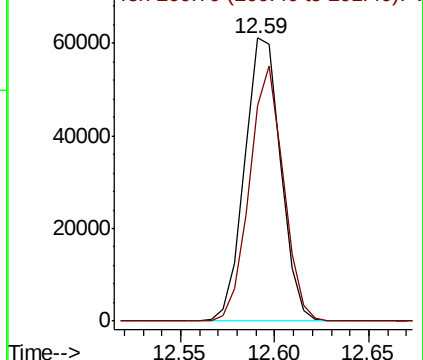
117 100

201 84.5 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.764 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

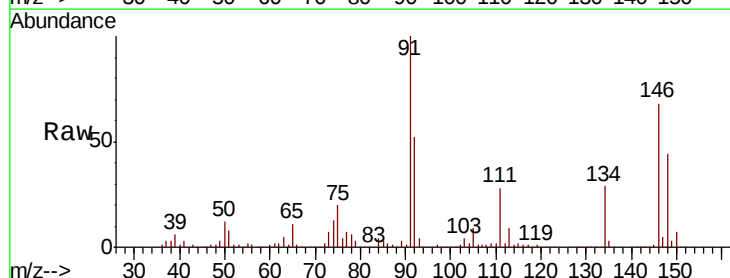
Tgt Ion:146 Resp: 261908

Ion Ratio Lower Upper

146 100

111 40.4 19.9 59.7

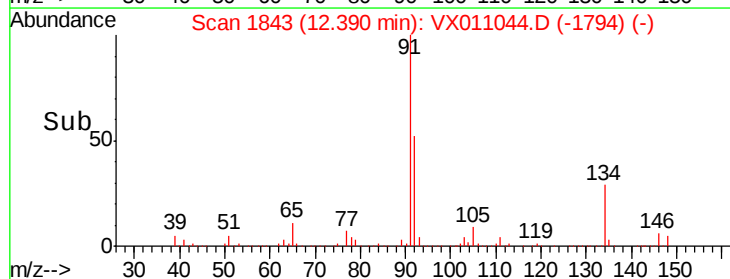
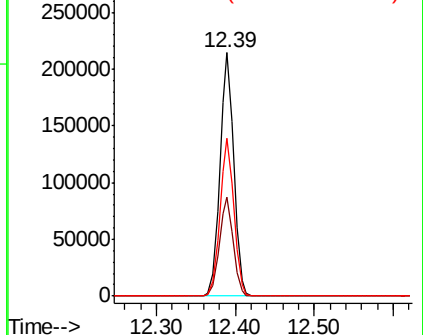
148 64.8 32.0 96.2

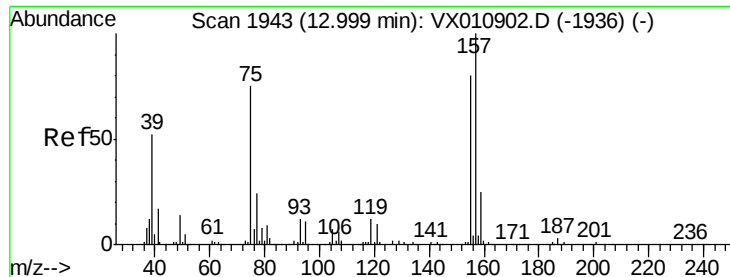


Abundance Ion 145.90 (145.60 to 146.60): V

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: 54.773 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

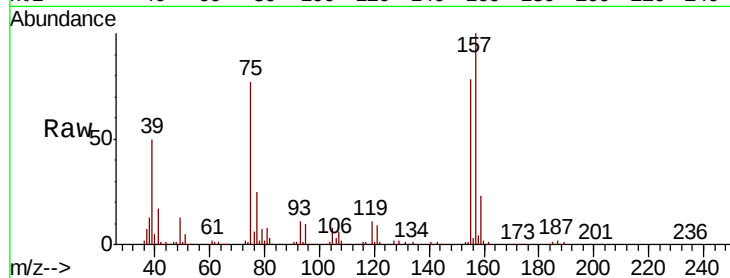
Tot Ion: 75 Resp: 41566

Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.7	146.1
157	124.1	62.5	187.6

75 100

155 97.7 48.7 146.1

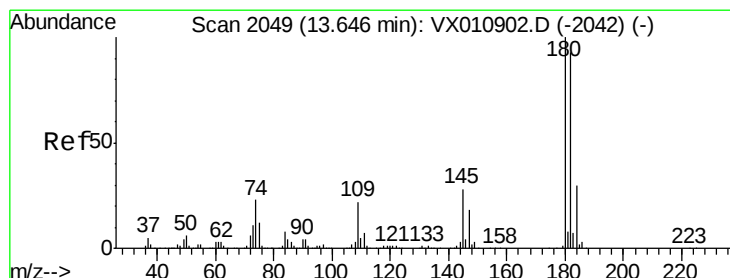
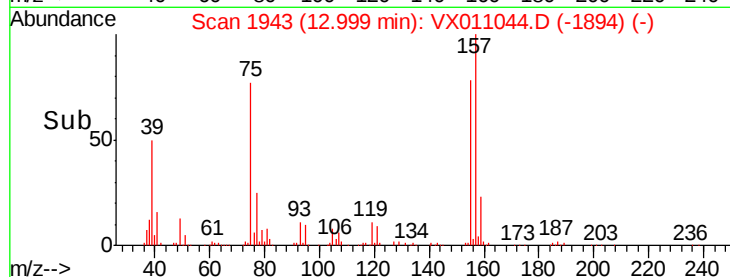
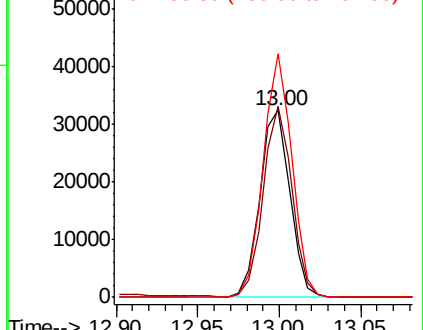
157 124.1 62.5 187.6



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: 50.848 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

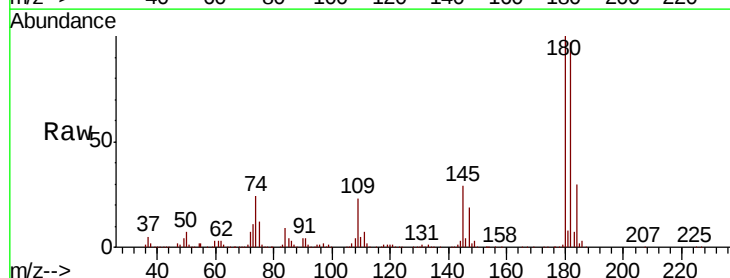
Tgt Ion:180 Resp: 181365

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	30.0	14.8	44.4

180 100

182 96.0 47.1 141.3

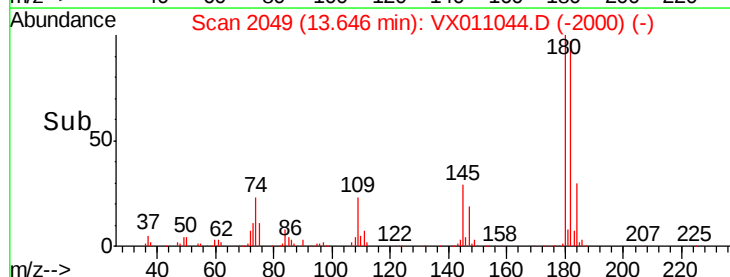
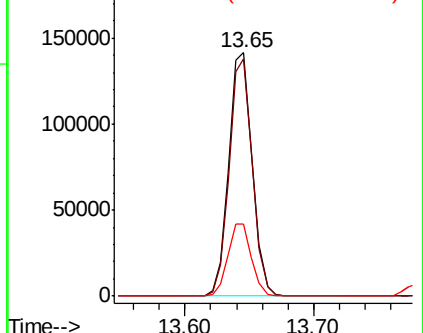
145 30.0 14.8 44.4

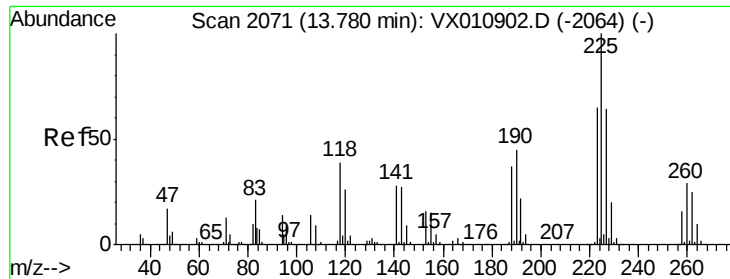


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 48.587 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

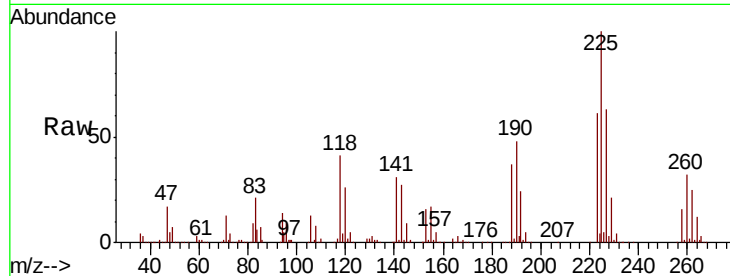
Tot Ion:225 Resp: 85880

Ion Ratio Lower Upper

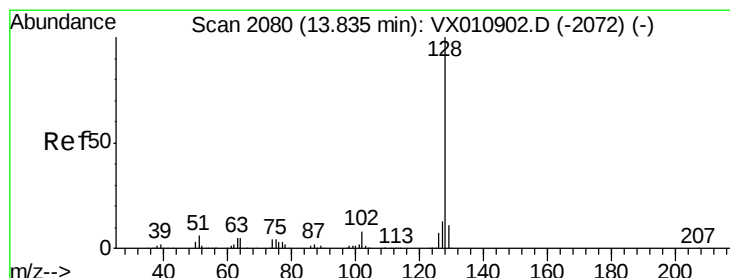
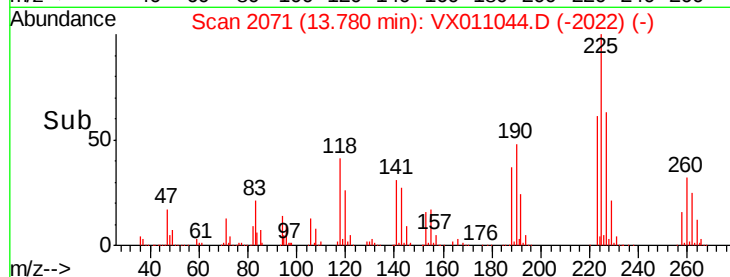
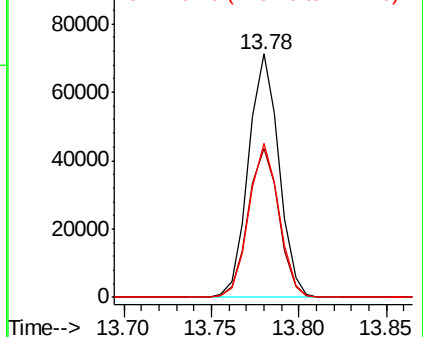
225 100

223 61.6 31.9 95.9

227 62.2 32.5 97.4



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: 53.554 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

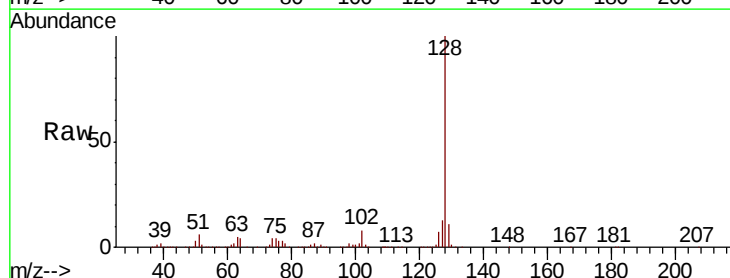
Tgt Ion:128 Resp: 564060

Ion Ratio Lower Upper

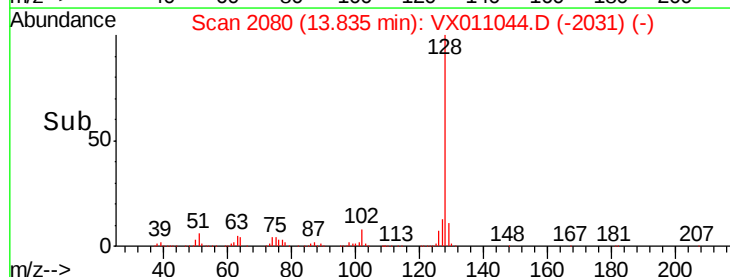
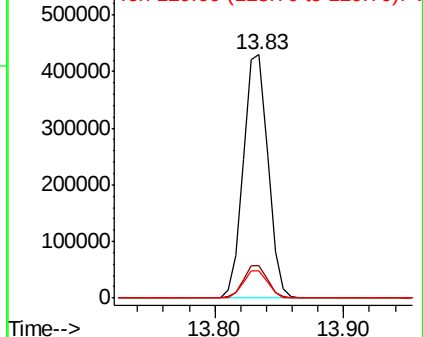
128 100

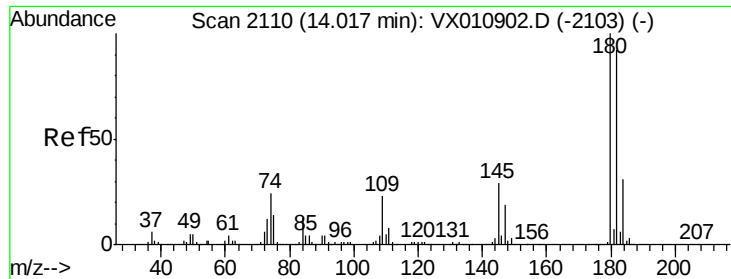
127 13.3 10.4 15.6

129 11.2 8.9 13.3



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: 51.271 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.0	47.4	142.3	
145	31.8	15.1	45.3	

