

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011697.D
 Acq On : 20 Aug 2019 20:53
 Operator : JC/SP
 Sample : VX0820WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Quant Time: Aug 20 23:27:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	316180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	439156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142267	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	5.49	113	131801	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
50) Toluene-d8	8.71	98	406116	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.13	95	161643	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	64930	20.892	ug/l	98
3) Chloromethane	1.32	50	52738	16.338	ug/l	99
4) Vinyl Chloride	1.40	62	52509	18.008	ug/l	99
5) Bromomethane	1.63	94	32412	24.807	ug/l	98
6) Chloroethane	1.71	64	30332	21.979	ug/l	98
7) Trichlorofluoromethane	1.92	101	84835	21.005	ug/l	95
8) Diethyl Ether	2.18	74	30014	21.664	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54771	19.634	ug/l	98
10) Methyl Iodide	2.50	142	58751	14.784	ug/l	98
11) Tert butyl alcohol	3.04	59	74642	103.764	ug/l	97
12) 1,1-Dichloroethene	2.37	96	51843	19.230	ug/l	98
13) Acrolein	2.29	56	19949	97.920	ug/l	88
14) Allyl chloride	2.72	41	85345	19.030	ug/l	98
15) Acrylonitrile	3.14	53	171361	104.085	ug/l	99
16) Acetone	2.43	43	147093	99.769	ug/l	100
17) Carbon Disulfide	2.56	76	113566	17.877	ug/l	99
18) Methyl Acetate	2.76	43	96747	21.159	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	184788	21.046	ug/l	95
20) Methylene Chloride	2.85	84	59397	19.188	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	56739	19.860	ug/l	97
22) Diisopropyl ether	3.85	45	183917	20.593	ug/l	96
23) Vinyl Acetate	3.81	43	707699	100.066	ug/l	99
24) 1,1-Dichloroethane	3.69	63	101133	20.028	ug/l	99
25) 2-Butanone	4.67	43	218845	94.550	ug/l	99
26) 2,2-Dichloropropane	4.57	77	66719	17.555	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	62047	18.630	ug/l	99
28) Bromochloromethane	5.01	49	40570	18.302	ug/l	99
29) Tetrahydrofuran	5.12	42	145665	95.939	ug/l	97
30) Chloroform	5.20	83	105707	19.836	ug/l	96
31) Cyclohexane	5.58	56	85384	19.639	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	95055	20.744	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74688	19.892	ug/l	99
37) Ethyl Acetate	4.82	43	81679	18.913	ug/l	99
38) Carbon Tetrachloride	5.77	117	82006	19.824	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84744	18.276	ug/l	100
40) Benzene	6.13	78	225505	19.327	ug/l	100
41) Methacrylonitrile	5.03	41	47489	19.980	ug/l	96
42) 1,2-Dichloroethane	6.18	62	85311	21.103	ug/l	99
43) Isopropyl Acetate	6.44	43	128538	19.072	ug/l	100
44) Trichloroethene	7.21	130	67768	19.578	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57564	19.782	ug/l	100
46) Dibromomethane	7.66	93	39323	18.596	ug/l	95
47) Bromodichloromethane	7.89	83	75495	19.444	ug/l	95
48) Methyl methacrylate	7.77	41	65924	19.752	ug/l	95
49) 1,4-Dioxane	7.74	88	35479	399.659	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	441032	99.974	ug/l	98
52) Toluene	8.78	92	144598	19.452	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	75737	18.795	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	80474	18.248	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	62167	19.666	ug/l	99
56) Ethyl methacrylate	9.18	69	90224	19.637	ug/l	98
57) 1,3-Dichloropropane	9.37	76	100087	19.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	214499	93.697	ug/l	100
59) 2-Hexanone	9.49	43	341723	100.450	ug/l	98
60) Dibromochloromethane	9.58	129	61597	18.702	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66580	19.735	ug/l	100
64) Tetrachloroethene	9.34	164	66931	22.233	ug/l	95
65) Chlorobenzene	10.13	112	155461	19.865	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	58611	20.037	ug/l	97
67) Ethyl Benzene	10.25	91	263048	20.140	ug/l	98
68) m/p-Xylenes	10.35	106	203117	40.514	ug/l	97
69) o-Xylene	10.69	106	98365	20.030	ug/l	97
70) Styrene	10.71	104	165817	20.057	ug/l	98
71) Bromoform	10.85	173	44613	17.953	ug/l #	100
73) Isopropylbenzene	11.02	105	268439	20.098	ug/l	99
74) N-amyl acetate	10.90	43	105979	18.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	91200	19.849	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	97430	24.962	ug/l	86
77) Bromobenzene	11.25	156	74598	18.772	ug/l	96
78) n-propylbenzene	11.36	91	292888	20.336	ug/l	100
79) 2-Chlorotoluene	11.41	91	177043	20.019	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	228266	20.345	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	21509	18.075	ug/l	86
82) 4-Chlorotoluene	11.51	91	207047	20.180	ug/l	98
83) tert-Butylbenzene	11.77	119	229517	20.085	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	234068	20.780	ug/l	98
85) sec-Butylbenzene	11.94	105	264674	20.529	ug/l	98
86) p-Isopropyltoluene	12.06	119	251137	20.705	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	133588	19.558	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	137699	19.891	ug/l	98
89) n-Butylbenzene	12.38	91	207409	20.800	ug/l	99
90) Hexachloroethane	12.59	117	37549	19.604	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	143678	20.955	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	21075	20.049	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

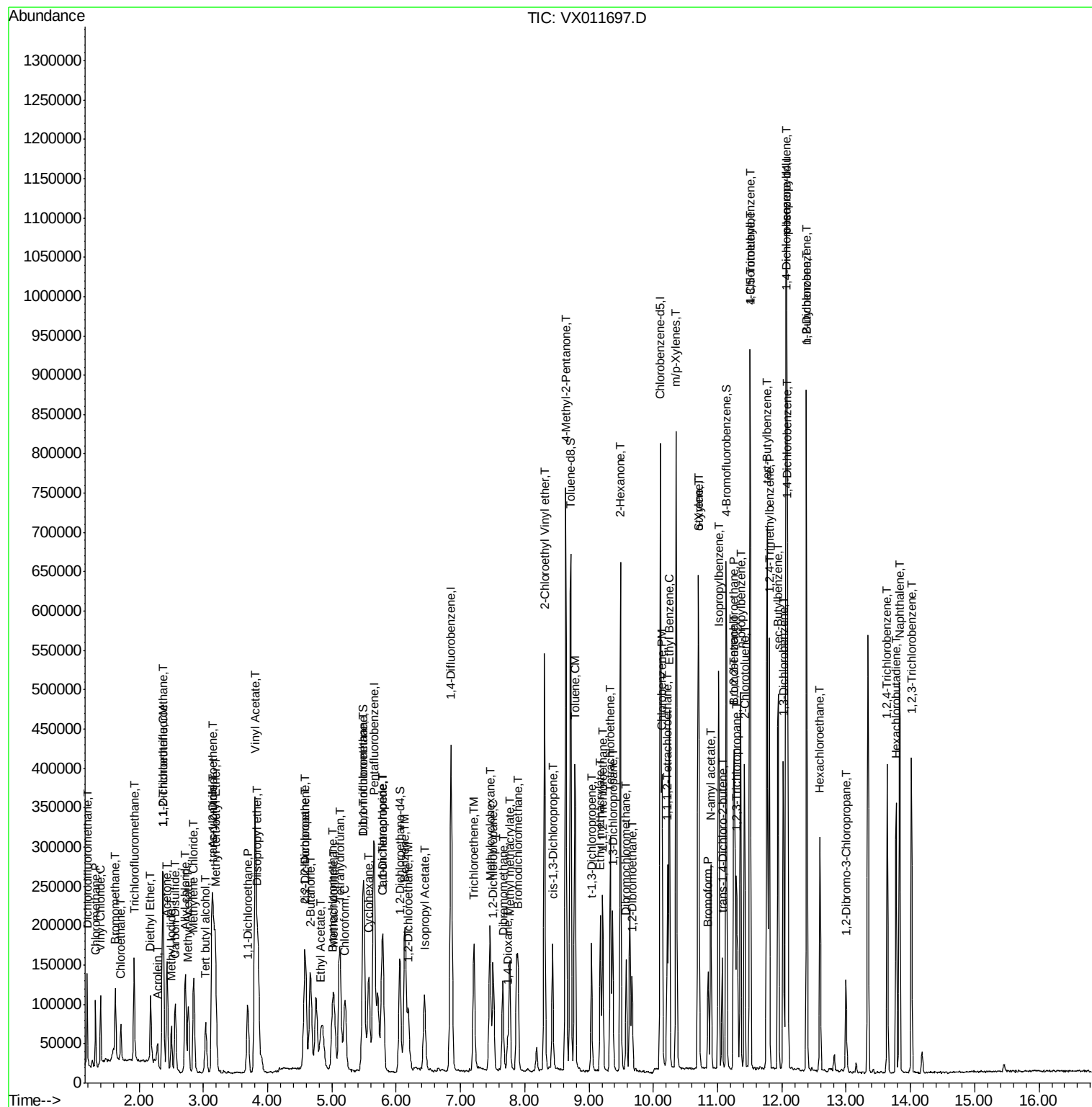
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	107361	21.015	ug/l	99
94) Hexachlorobutadiene	13.78	225	56168	20.191	ug/l	99
95) Naphthalene	13.83	128	320814	22.213	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111206	21.581	ug/l	100

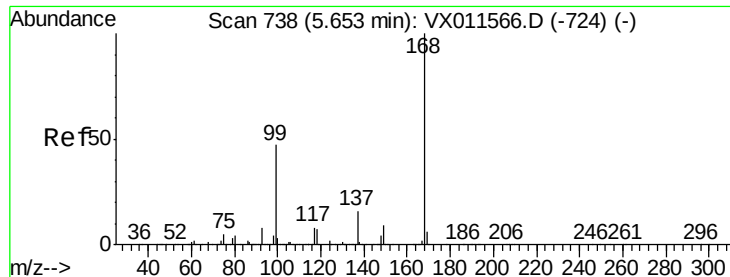
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

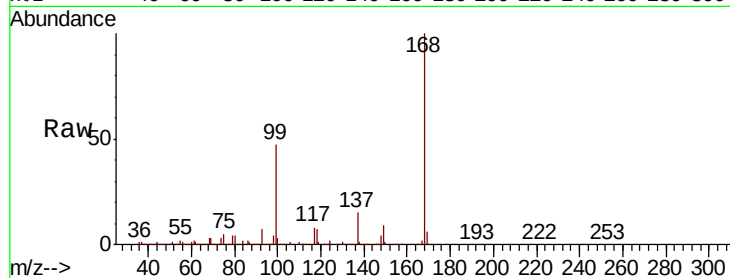
VX0820WBS02

Tgt Ion:168 Resp: 316180

Ion Ratio Lower Upper

168 100

99 47.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VX011566.D (-724) (-)

Ion 98.90 (98.60 to 99.60): VX011566.D (-724) (-)

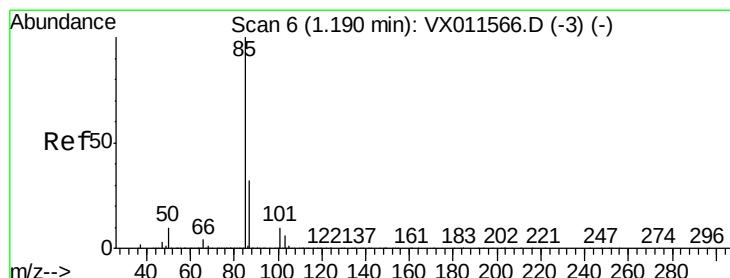
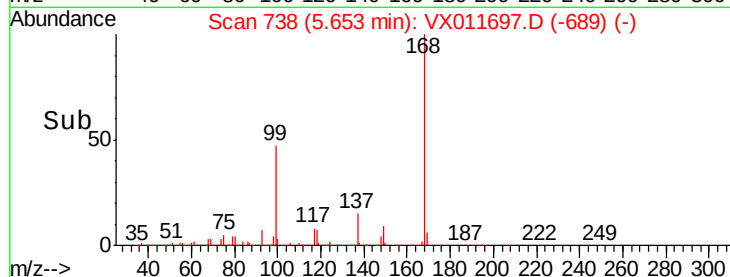
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.892 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011697.D

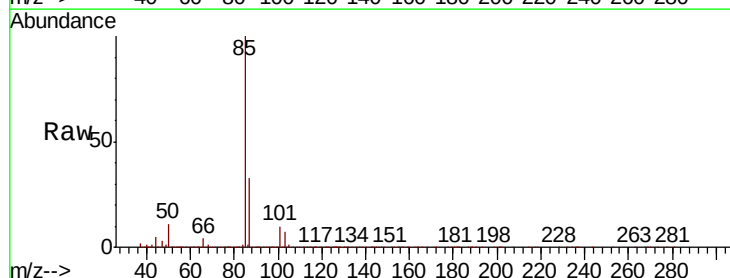
Acq: 20 Aug 2019 20:53

Tgt Ion: 85 Resp: 64930

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX011566.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX011566.D (-3) (-)

1.19

80000

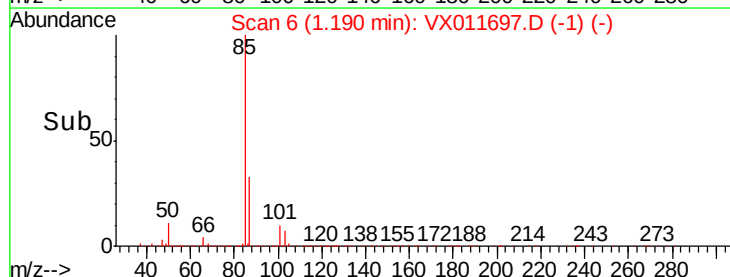
60000

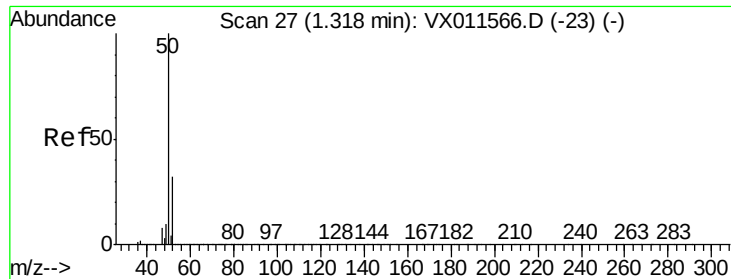
40000

20000

0

Time-->





#3

Chloromethane

Concen: 16.338 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

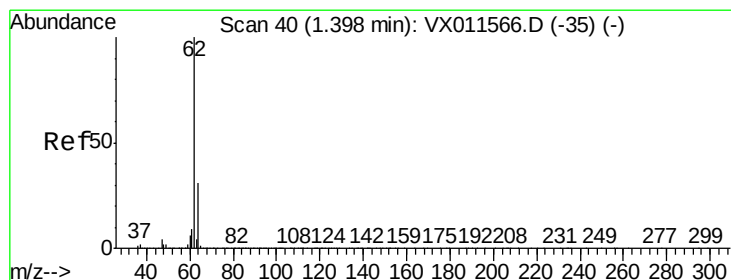
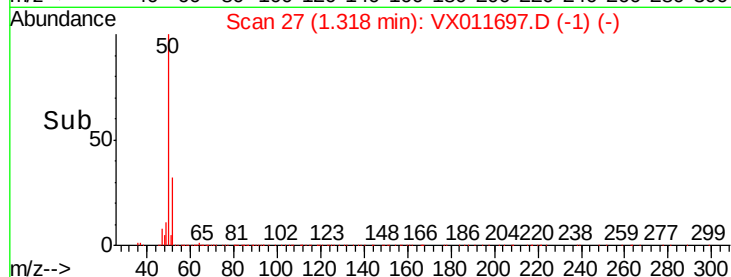
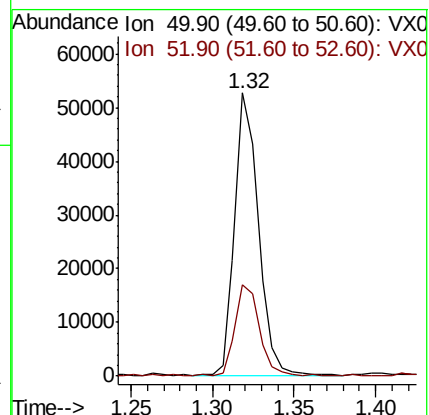
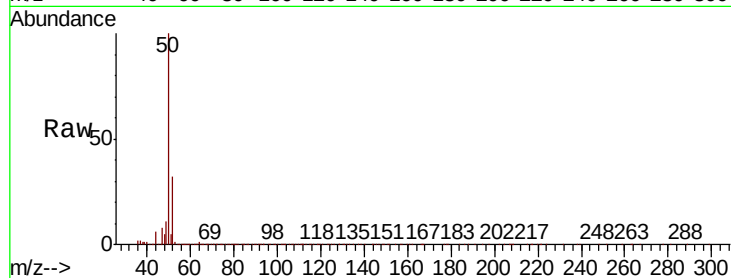
VX0820WBS02

Tgt Ion: 50 Resp: 52738

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 18.008 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011697.D

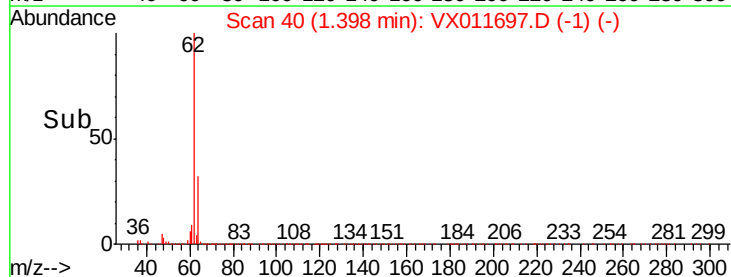
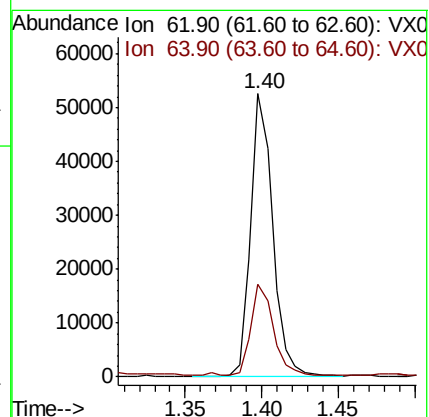
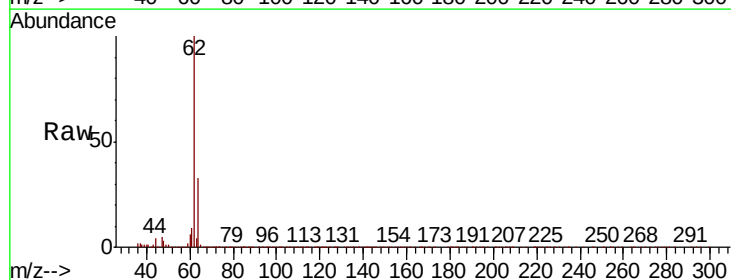
Acq: 20 Aug 2019 20:53

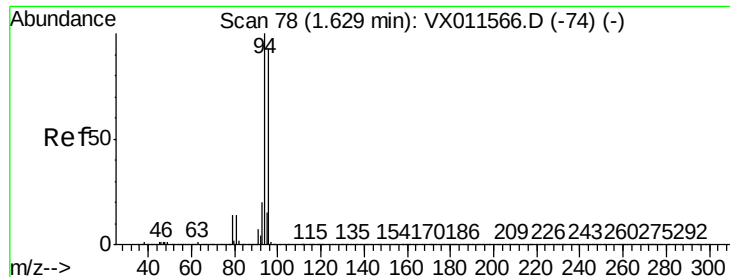
Tgt Ion: 62 Resp: 52509

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 24.807 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

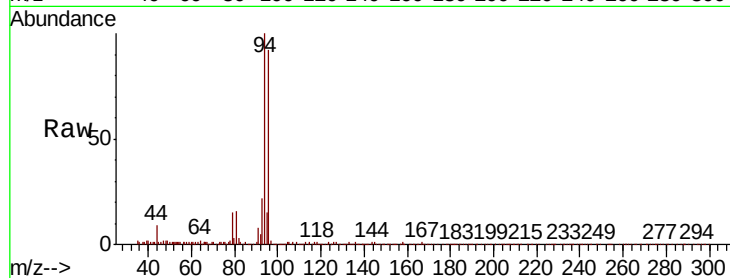
VX0820WBS02

Tgt Ion: 94 Resp: 32412

Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

30000

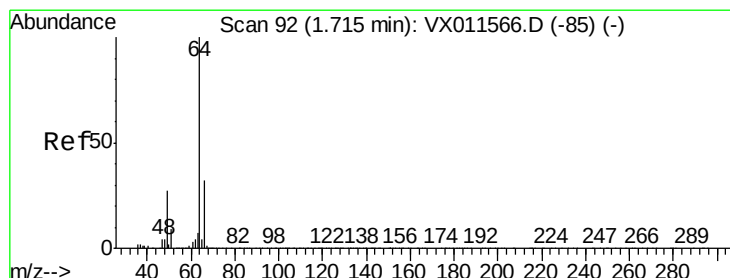
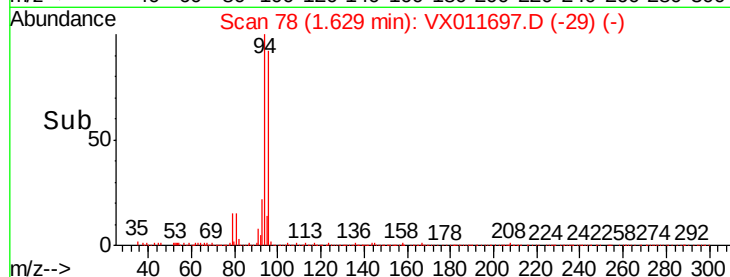
20000

10000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 21.979 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011697.D

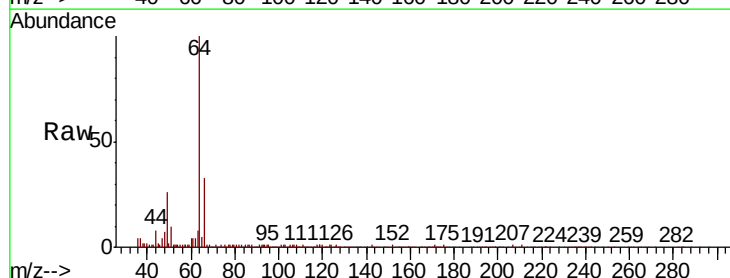
Acq: 20 Aug 2019 20:53

Tgt Ion: 64 Resp: 30332

Ion Ratio Lower Upper

64 100

66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

25000

20000

15000

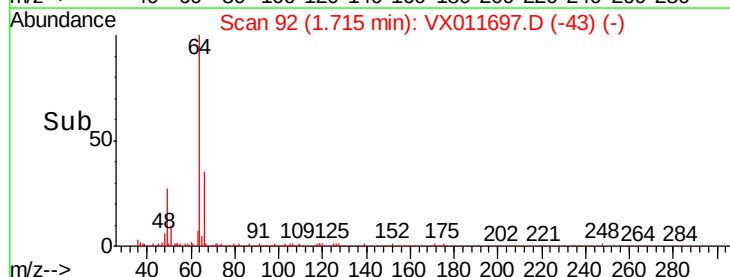
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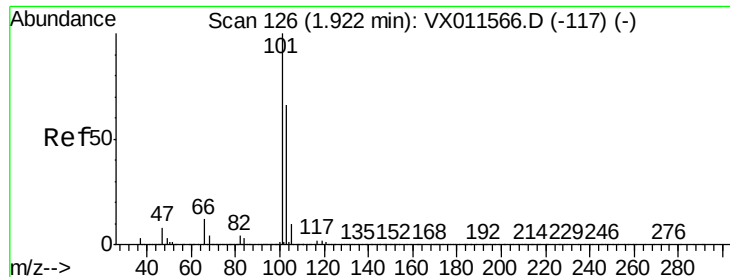
5000

0

Time-->

1.65 1.70 1.75 1.80



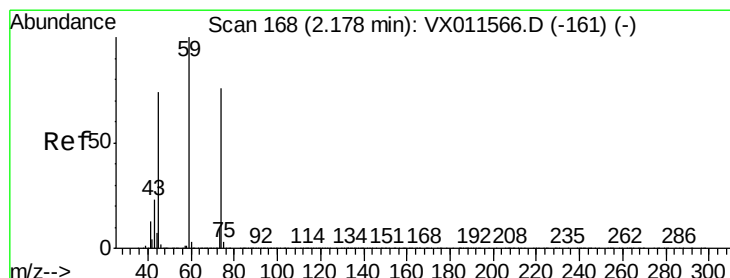
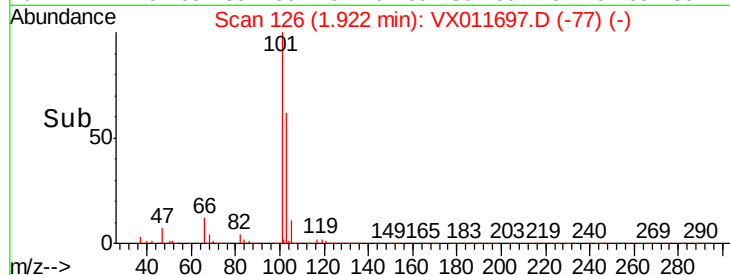
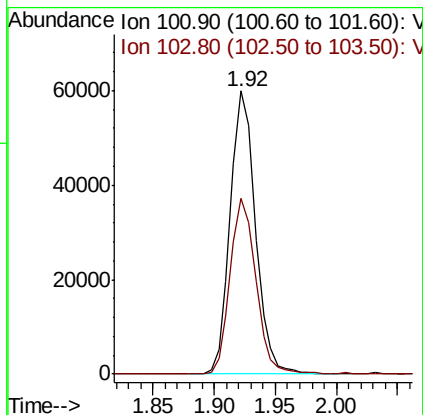
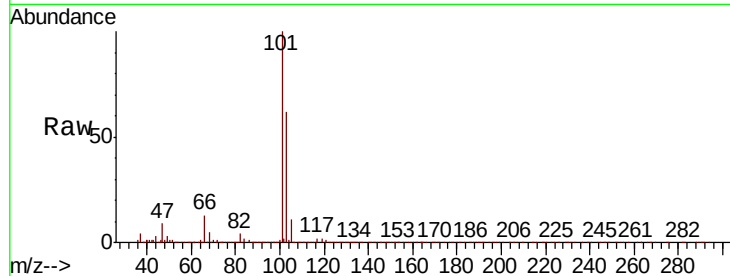


#7

Trichlorofluoromethane
Concen: 21.005 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

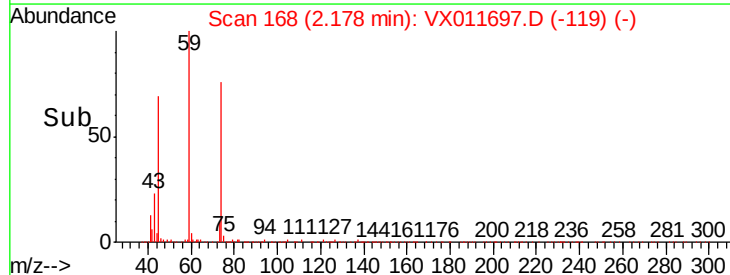
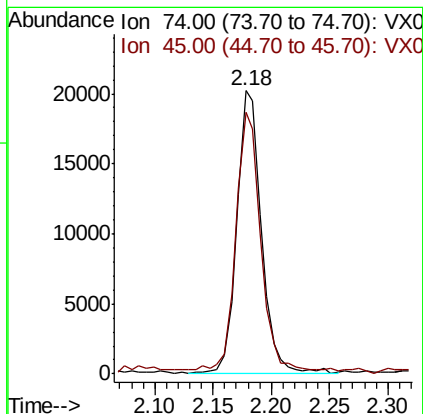
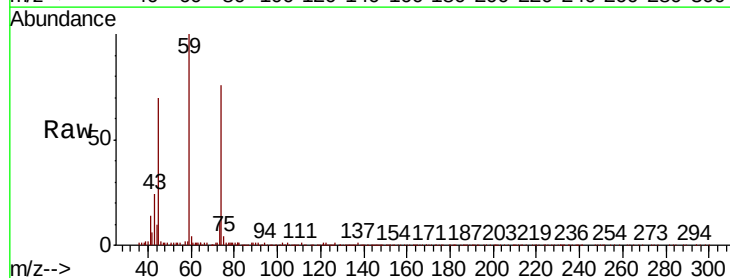
Tgt Ion:101 Resp: 84835
Ion Ratio Lower Upper
101 100
103 62.0 52.9 79.3

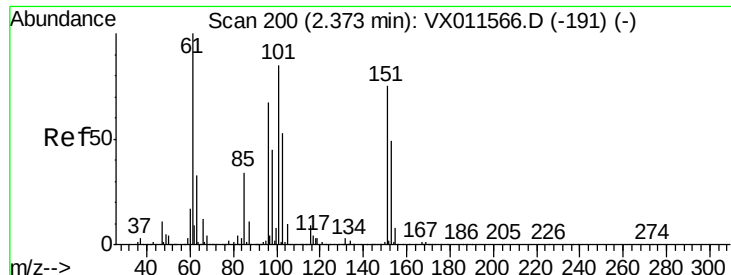


#8

Diethyl Ether
Concen: 21.664 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 74 Resp: 30014
Ion Ratio Lower Upper
74 100
45 90.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.634 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

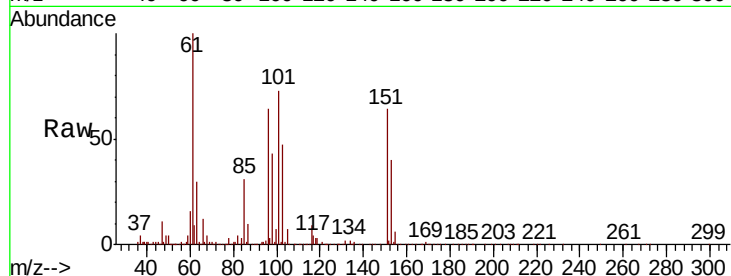
Tgt Ion:101 Resp: 54771

Ion Ratio Lower Upper

101 100

85 42.6 33.0 49.4

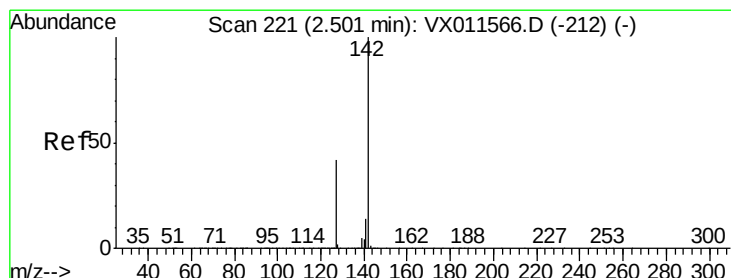
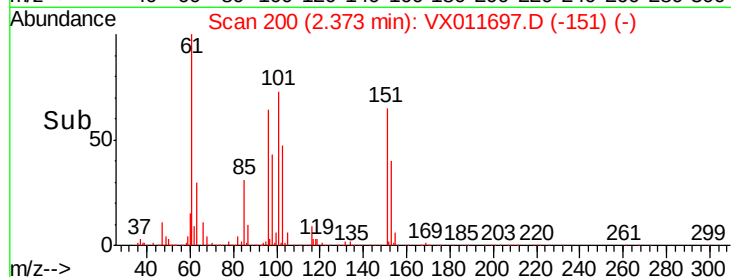
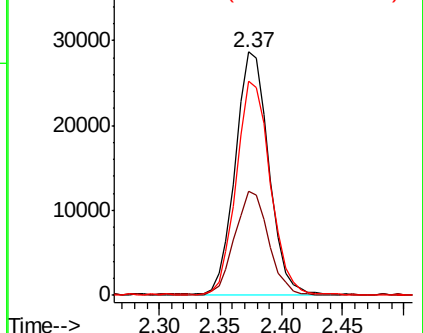
151 89.5 73.3 109.9



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: 14.784 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

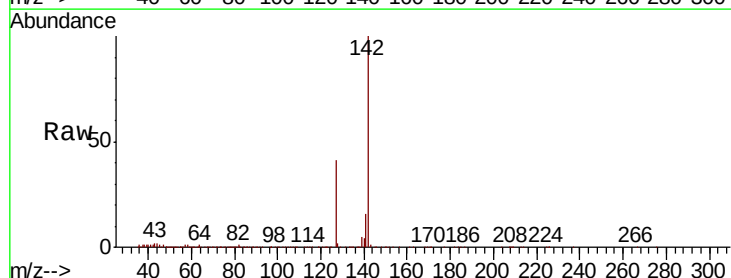
Tgt Ion:142 Resp: 58751

Ion Ratio Lower Upper

142 100

127 42.1 32.8 49.2

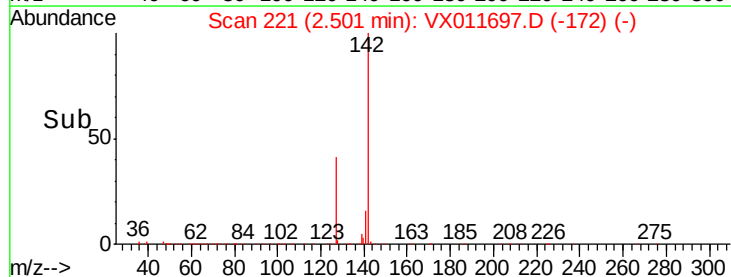
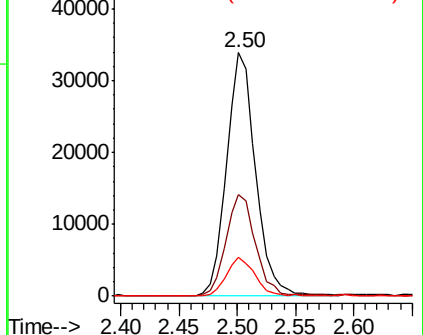
141 15.6 11.4 17.2

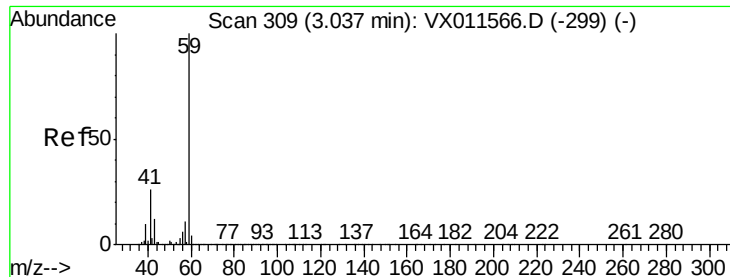


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

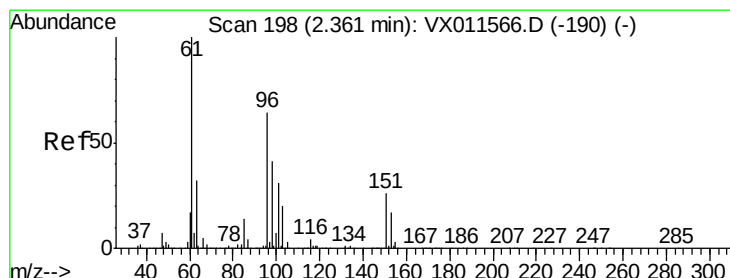
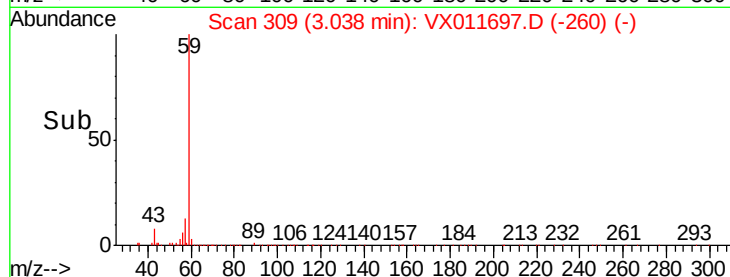
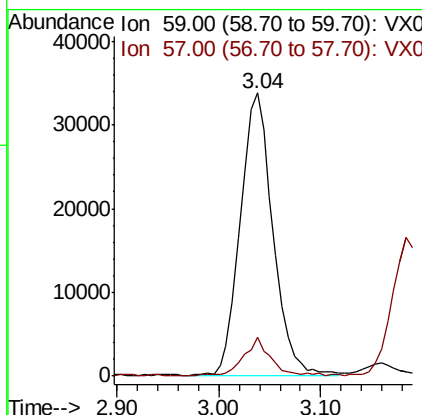
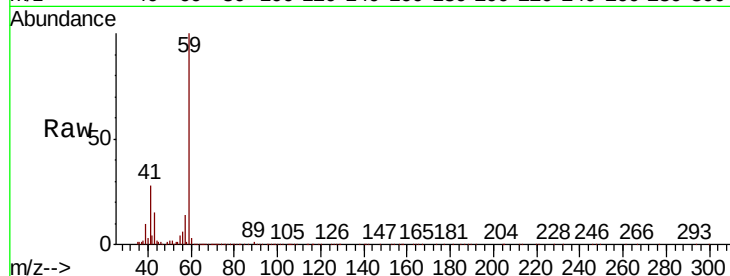




#11
Tert butyl alcohol
Concen: 103.764 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

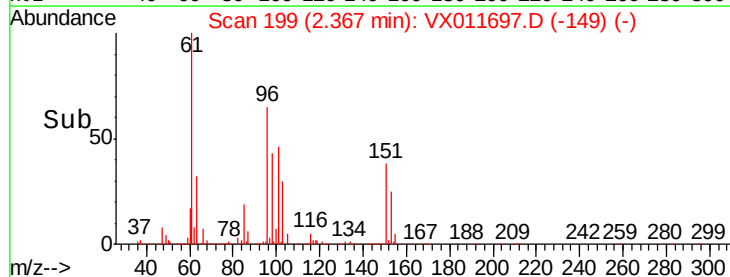
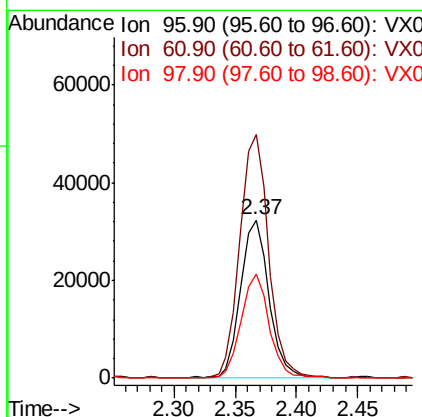
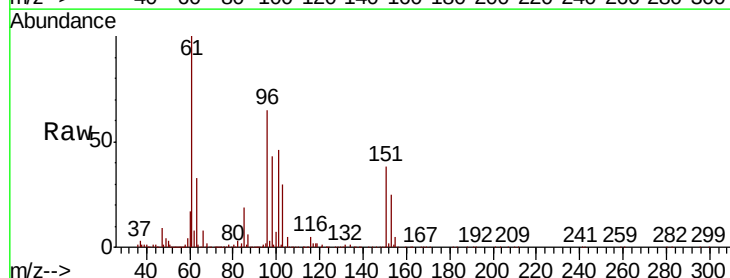
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

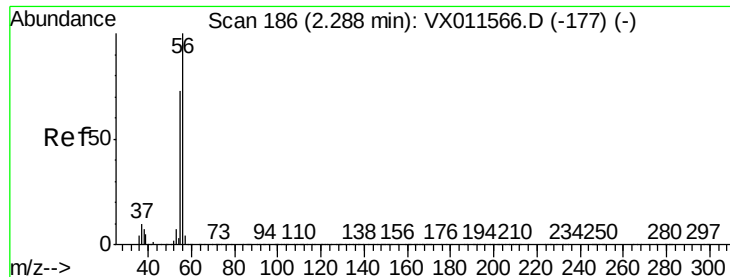
Tgt Ion: 59 Resp: 74642
Ion Ratio Lower Upper
59 100
57 12.1 8.7 13.1



#12
1,1-Dichloroethene
Concen: 19.230 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 96 Resp: 51843
Ion Ratio Lower Upper
96 100
61 153.6 125.0 187.4
98 65.8 51.5 77.3





#13

Acrolein

Concen: 97.920 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

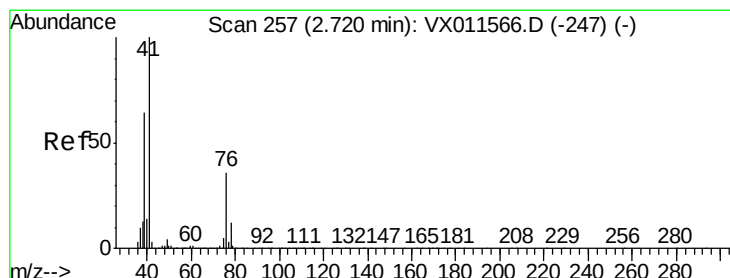
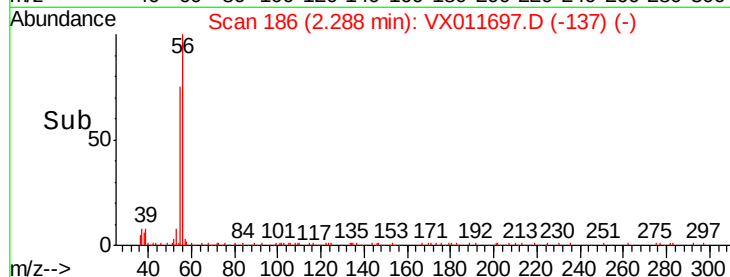
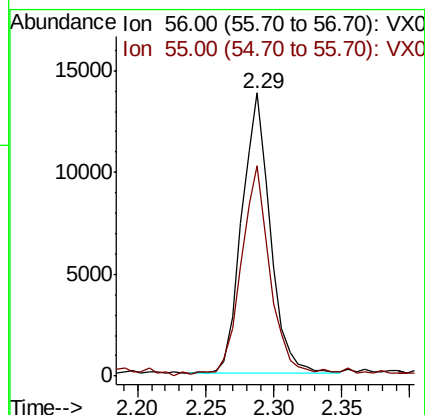
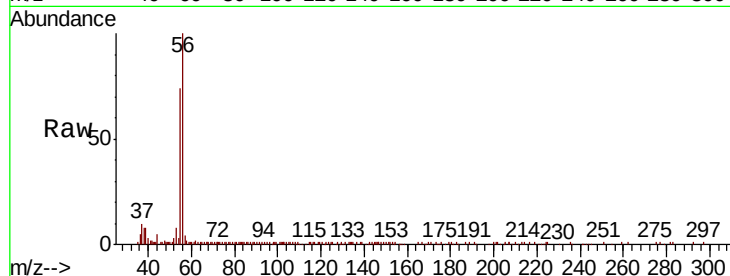
VX0820WBS02

Tgt Ion: 56 Resp: 19949

Ion Ratio Lower Upper

56 100

55 79.2 55.5 83.3



#14

Allyl chloride

Concen: 19.030 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

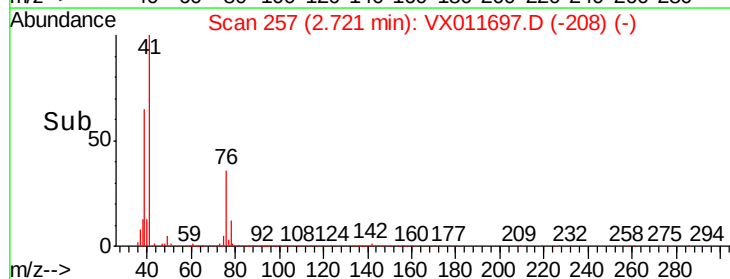
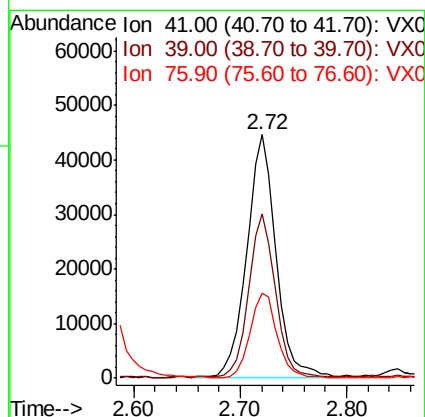
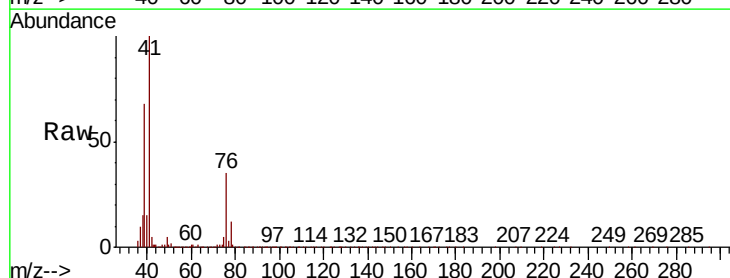
Tgt Ion: 41 Resp: 85345

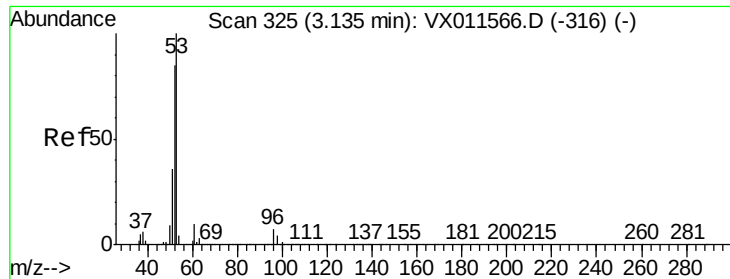
Ion Ratio Lower Upper

41 100

39 60.9 47.5 71.3

76 32.1 26.3 39.5

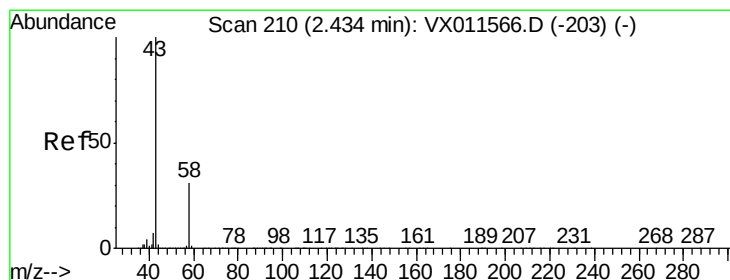
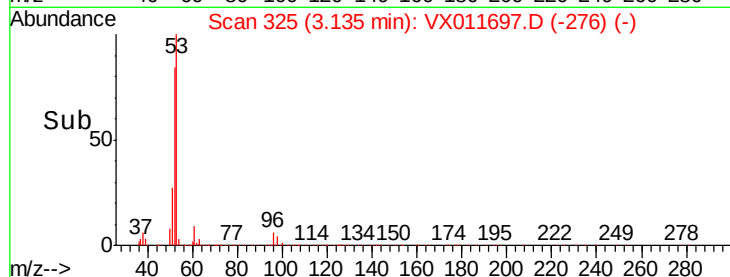
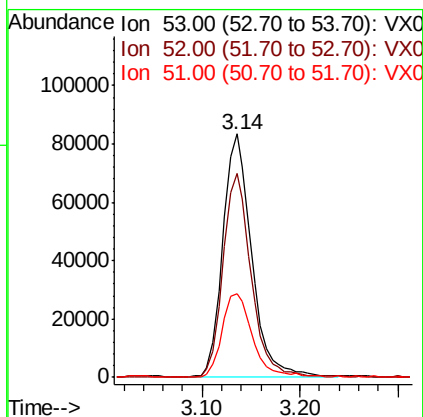
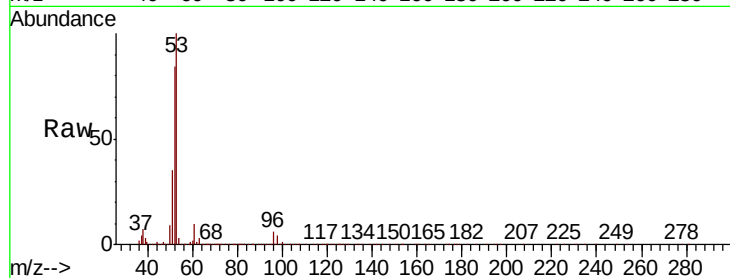




#15
 Acrylonitrile
 Concen: 104.085 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

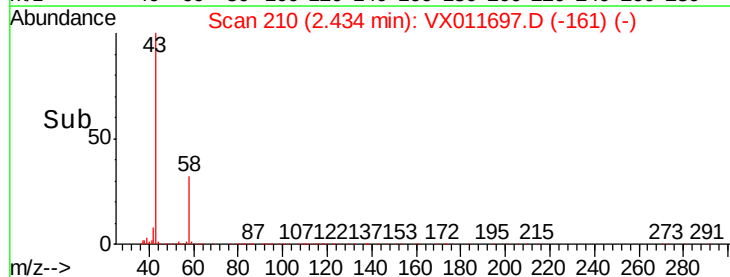
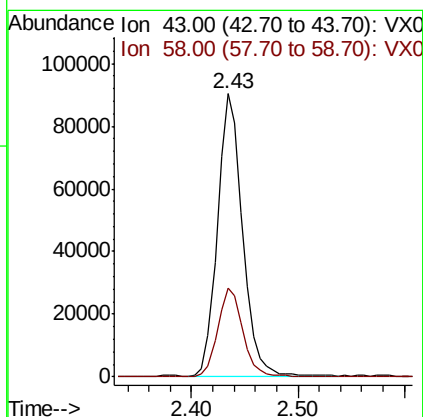
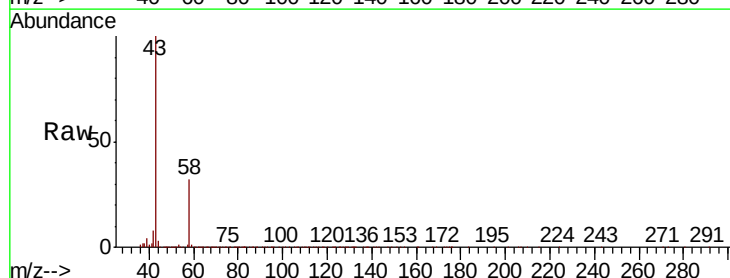
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

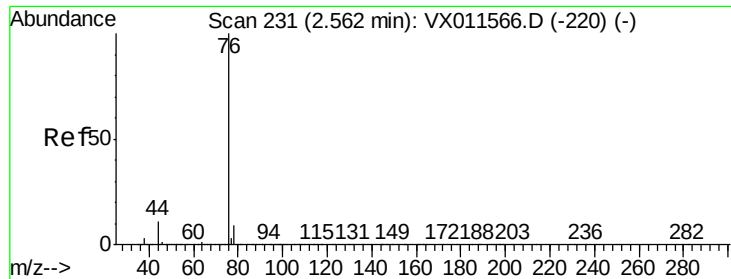
Tgt Ion: 53 Resp: 171361
 Ion Ratio Lower Upper
 53 100
 52 81.6 66.7 100.1
 51 35.8 28.7 43.1



#16
 Acetone
 Concen: 99.769 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion: 43 Resp: 147093
 Ion Ratio Lower Upper
 43 100
 58 31.5 25.2 37.8





#17

Carbon Disulfide

Concen: 17.877 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

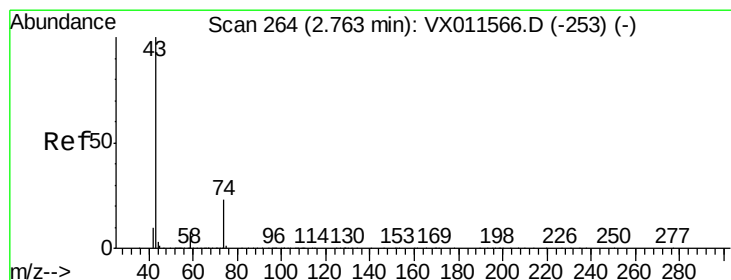
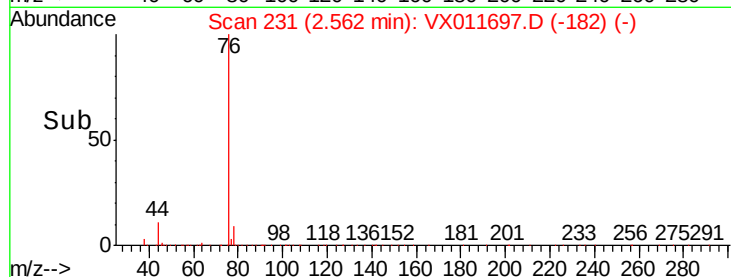
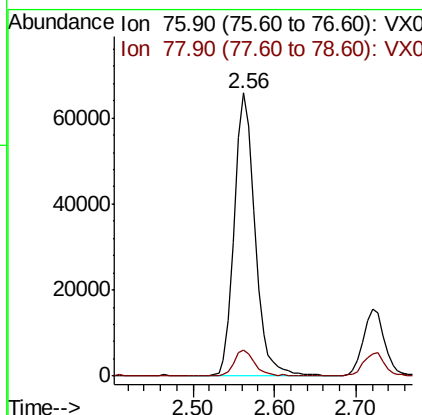
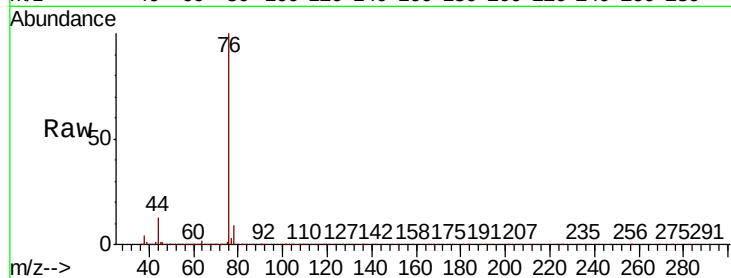
VX0820WBS02

Tgt Ion: 76 Resp: 113566

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#18

Methyl Acetate

Concen: 21.159 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011697.D

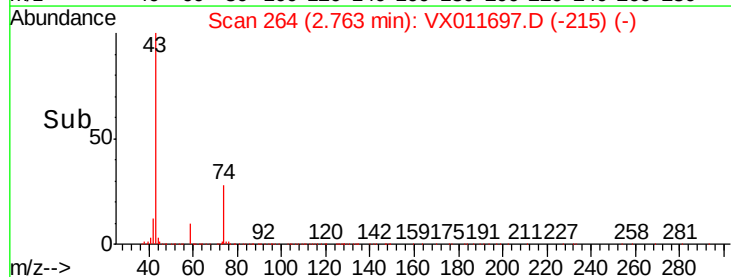
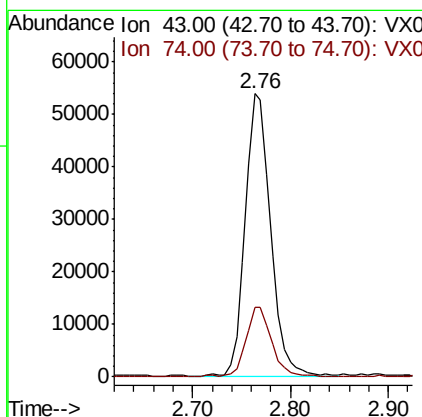
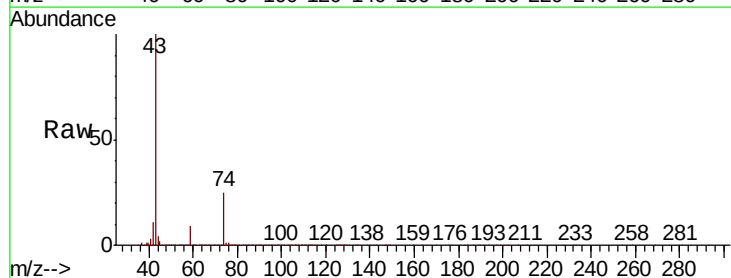
Acq: 20 Aug 2019 20:53

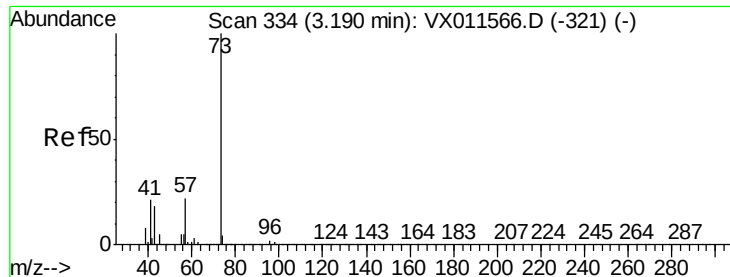
Tgt Ion: 43 Resp: 96747

Ion Ratio Lower Upper

43 100

74 25.4 19.7 29.5





#19

Methyl tert-butyl Ether

Concen: 21.046 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

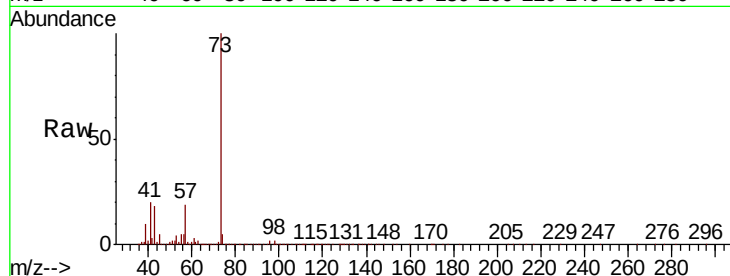
VX0820WBS02

Tgt Ion: 73 Resp: 184788

Ion Ratio Lower Upper

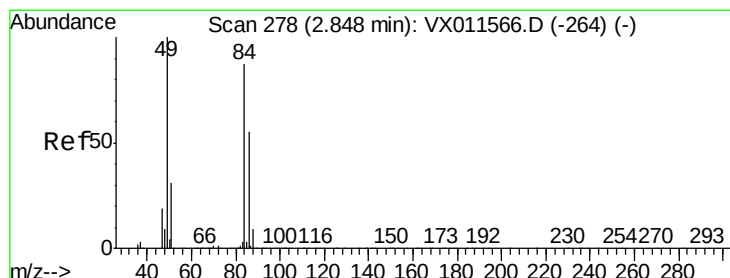
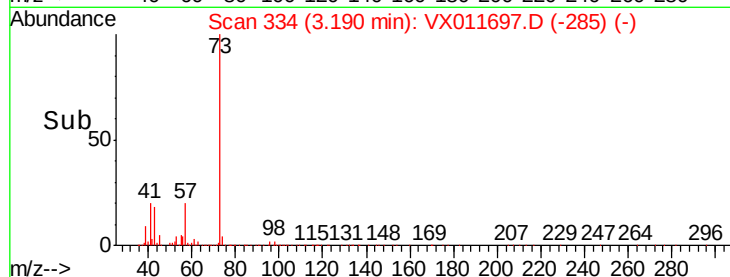
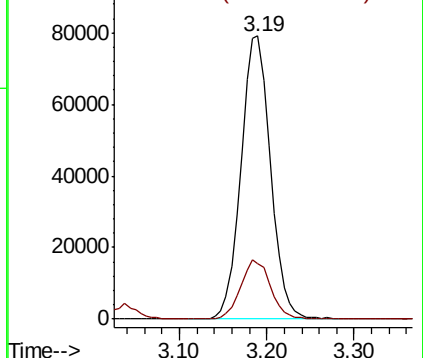
73 100

57 19.3 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 19.188 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion: 84 Resp: 59397

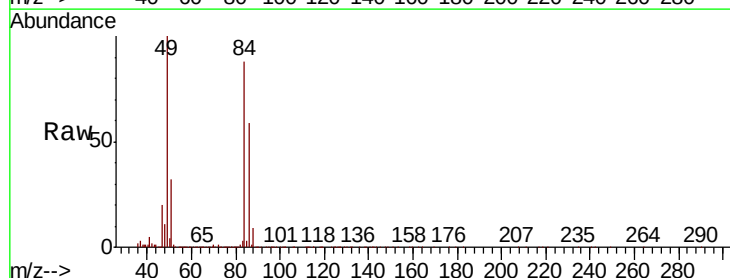
Ion Ratio Lower Upper

84 100

49 113.6 92.4 138.6

51 36.1 28.5 42.7

86 67.2 51.0 76.6

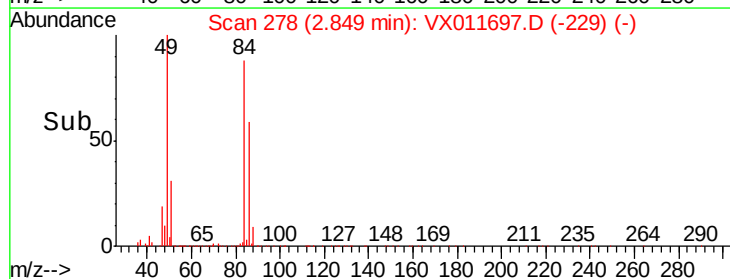
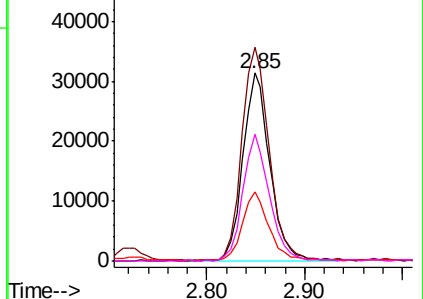


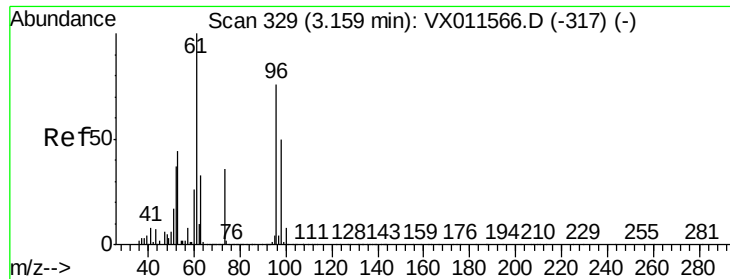
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 19.860 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

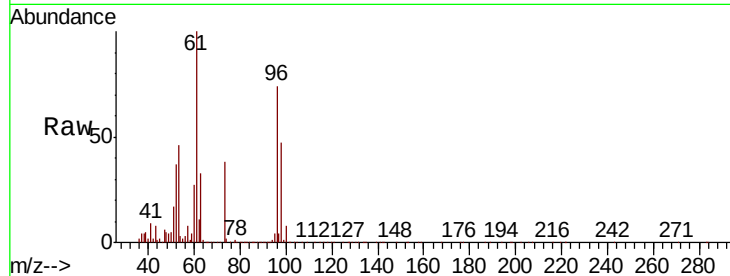
Tgt Ion: 96 Resp: 56739

Ion Ratio Lower Upper

96 100

61 134.3 105.5 158.3

98 62.7 52.6 78.8

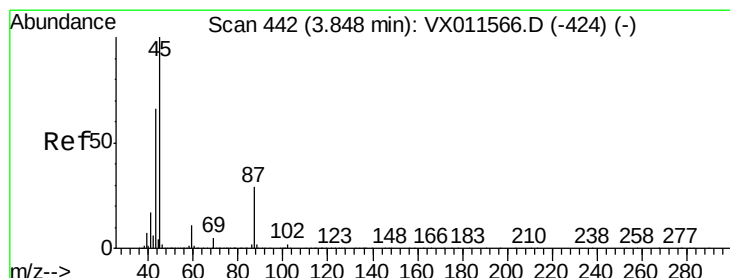
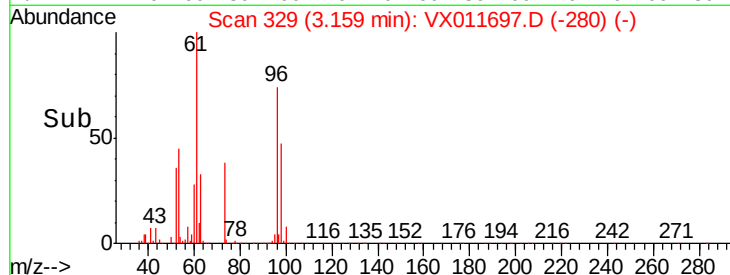
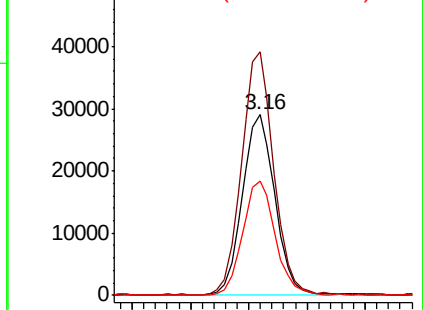


Abundance

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: 20.593 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion: 45 Resp: 183917

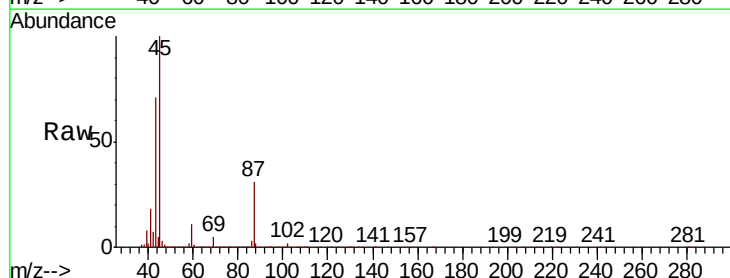
Ion Ratio Lower Upper

45 100

43 70.3 52.7 79.1

87 30.9 23.5 35.3

59 11.1 9.0 13.4



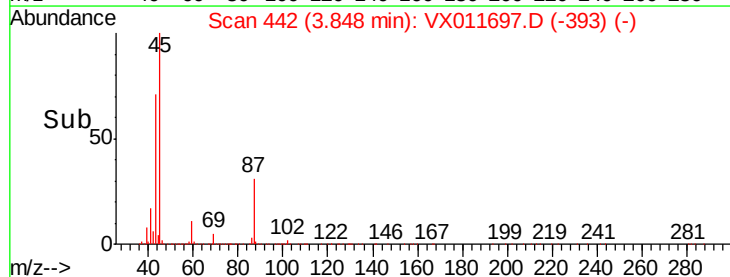
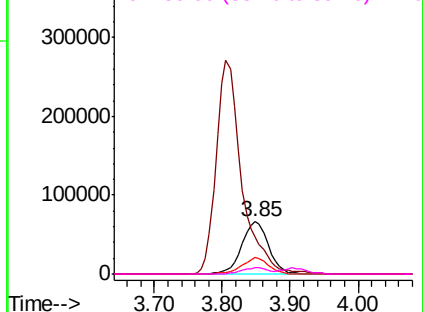
Abundance

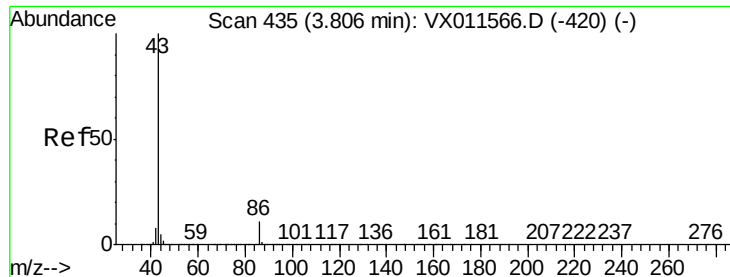
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 100.066 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

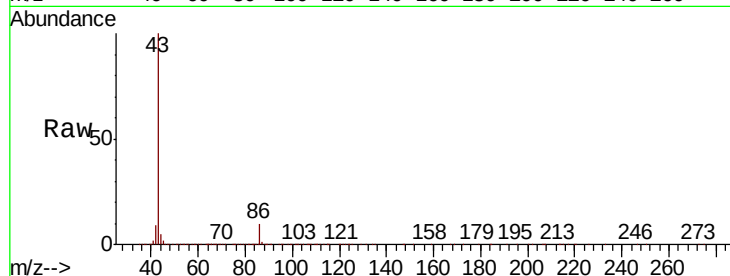
VX0820WBS02

Tgt Ion: 43 Resp: 707699

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

250000

200000

150000

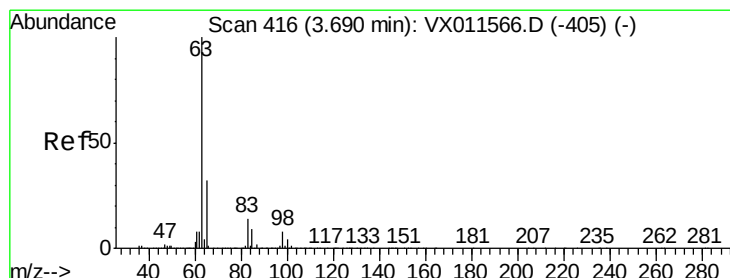
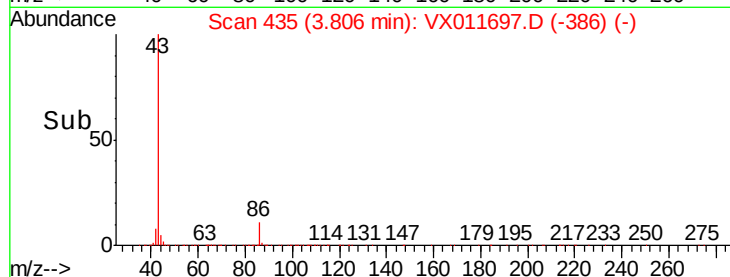
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.028 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

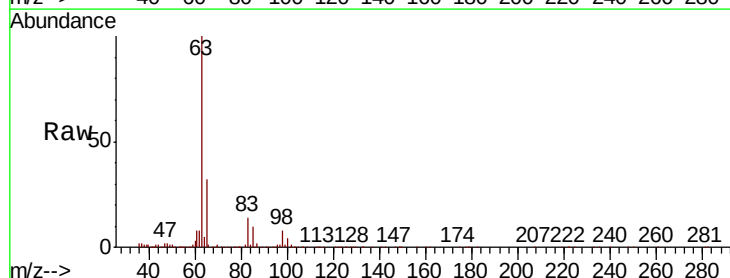
Tgt Ion: 63 Resp: 101133

Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

50000

40000

30000

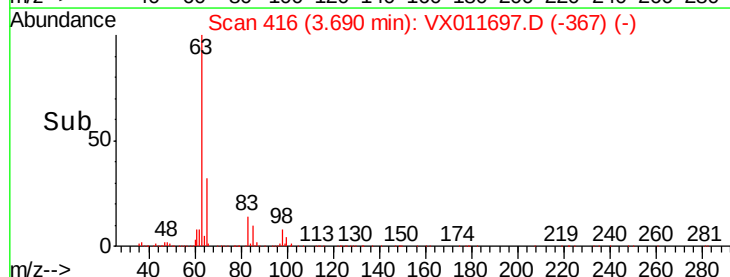
20000

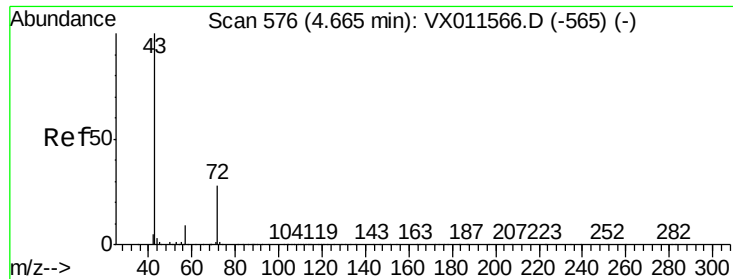
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 94.550 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

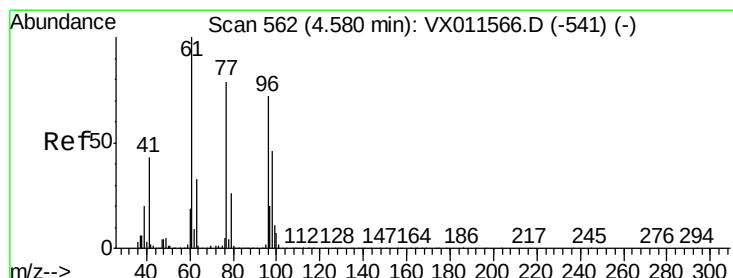
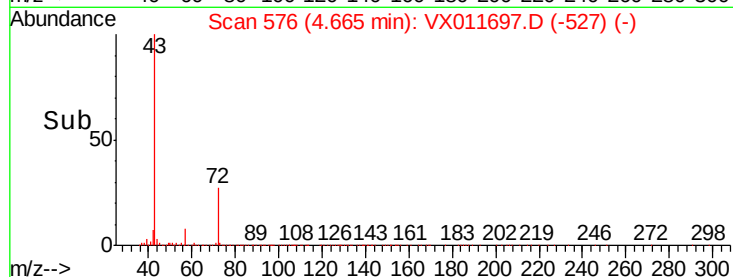
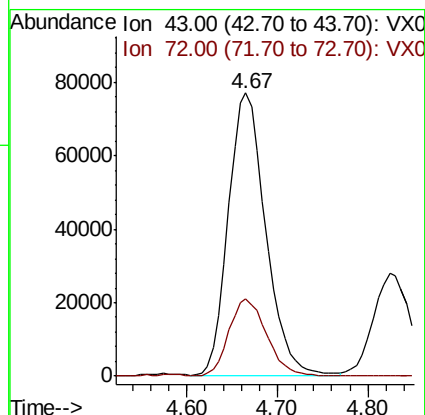
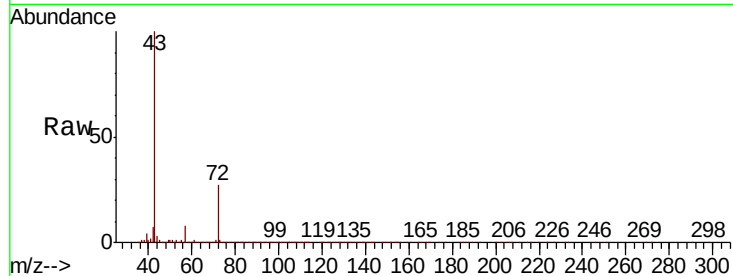
VX0820WBS02

Tgt Ion: 43 Resp: 218845

Ion Ratio Lower Upper

43 100

72 27.0 22.2 33.4



#26

2,2-Dichloropropane

Concen: 17.555 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011697.D

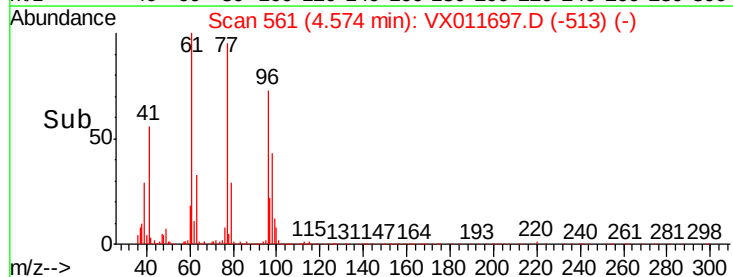
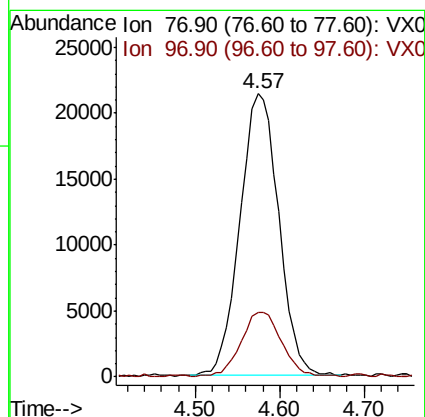
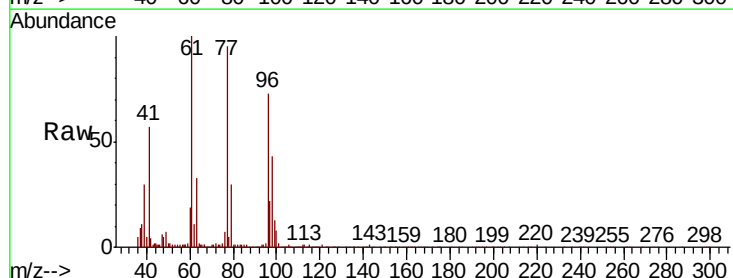
Acq: 20 Aug 2019 20:53

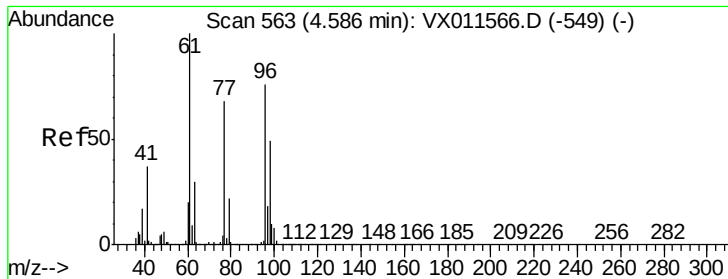
Tgt Ion: 77 Resp: 66719

Ion Ratio Lower Upper

77 100

97 24.4 12.4 37.2



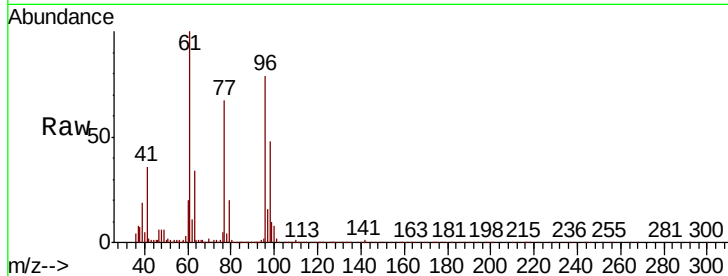


#27

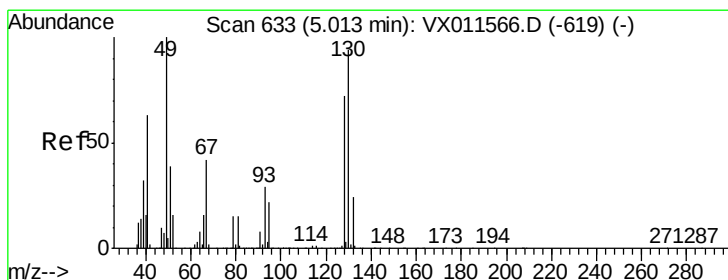
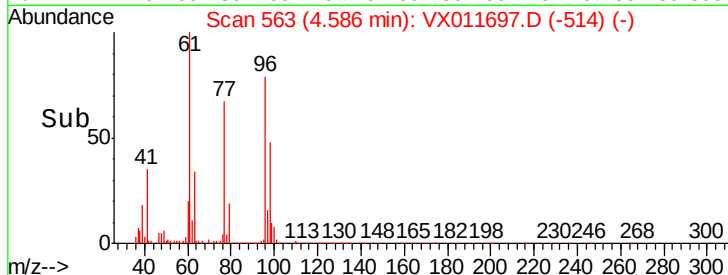
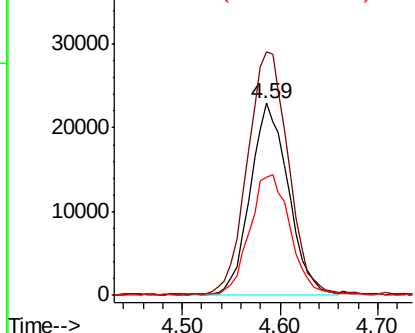
cis-1,2-Dichloroethene
 Concen: 18.630 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tgt Ion: 96 Resp: 62047
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 272.6
 98 65.5 0.0 129.4



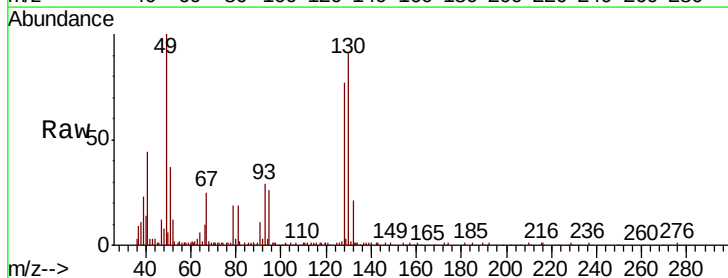
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



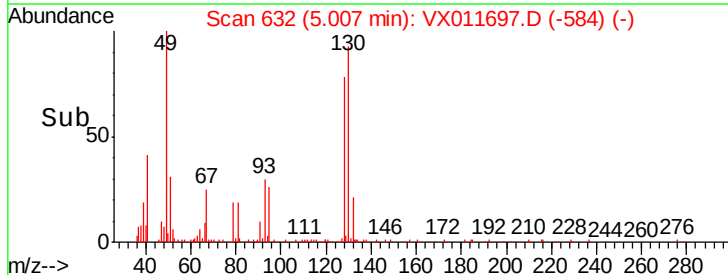
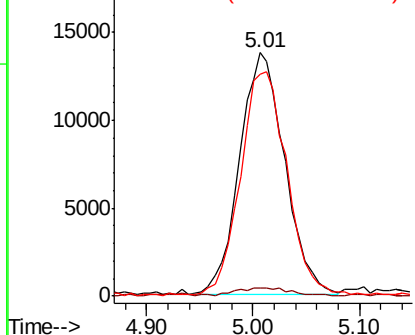
#28

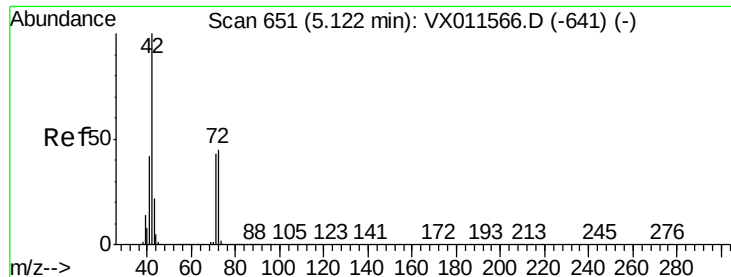
Bromochloromethane
 Concen: 18.302 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion: 49 Resp: 40570
 Ion Ratio Lower Upper
 49 100
 129 4.4 0.0 5.0
 130 95.1 76.6 115.0



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: 95.939 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

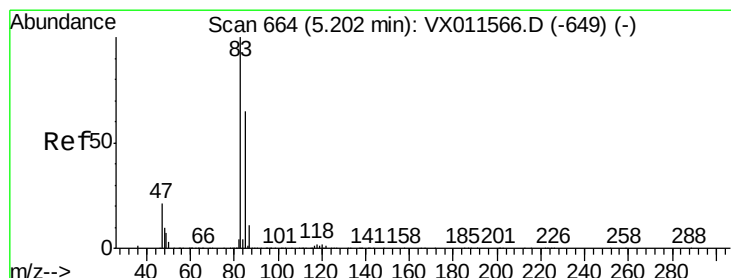
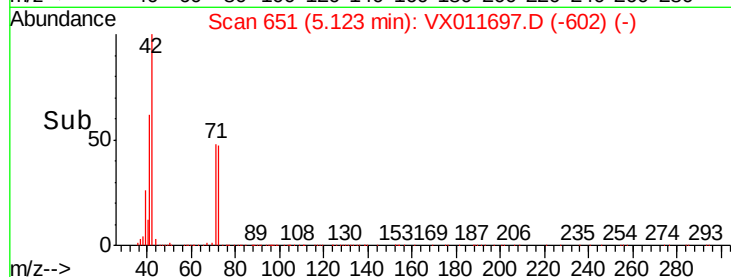
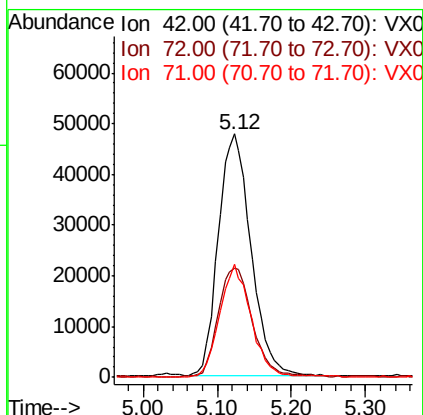
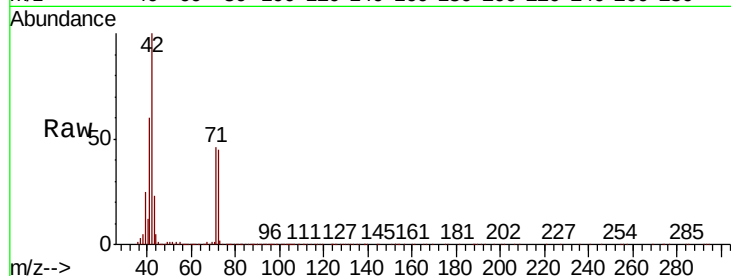
Tgt Ion: 42 Resp: 145665

Ion Ratio Lower Upper

42 100

72 47.3 36.1 54.1

71 44.2 33.8 50.8



#30

Chloroform

Concen: 19.836 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011697.D

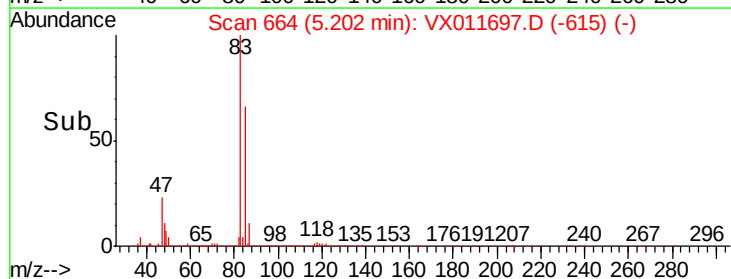
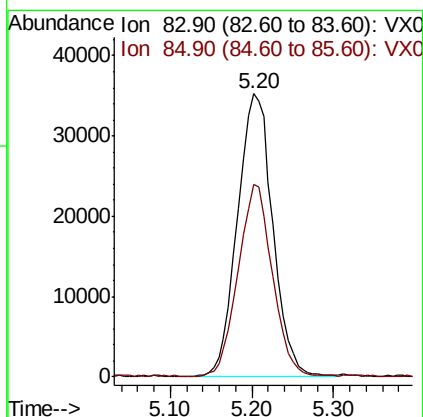
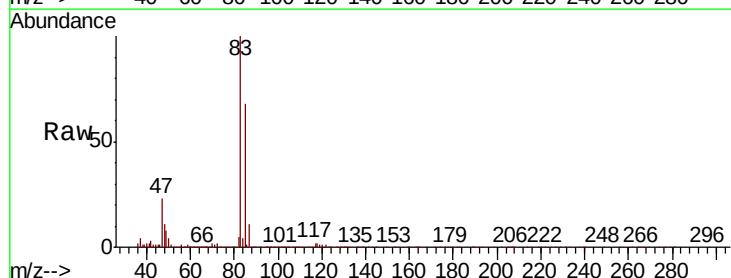
Acq: 20 Aug 2019 20:53

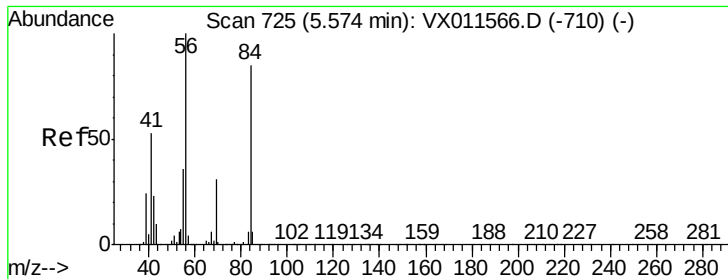
Tgt Ion: 83 Resp: 105707

Ion Ratio Lower Upper

83 100

85 68.3 51.9 77.9

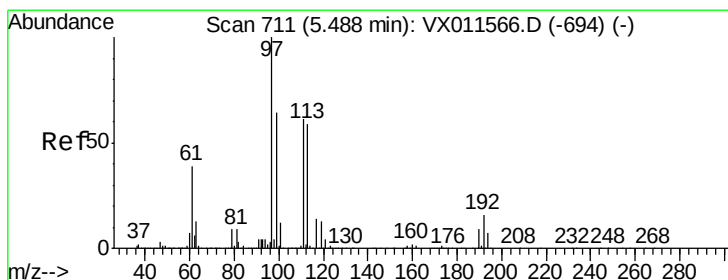
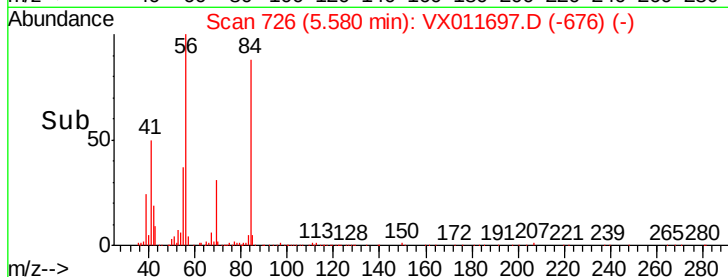
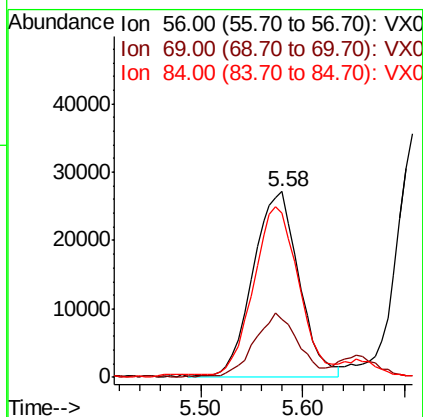
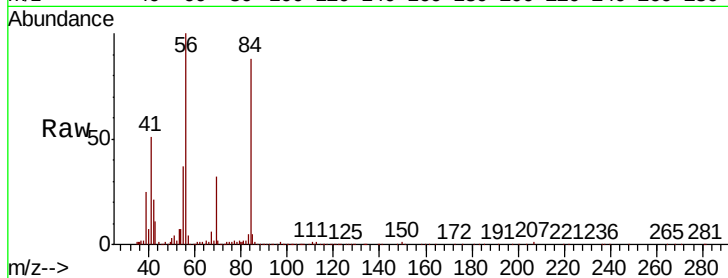




#31
Cyclohexane
Concen: 19.639 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

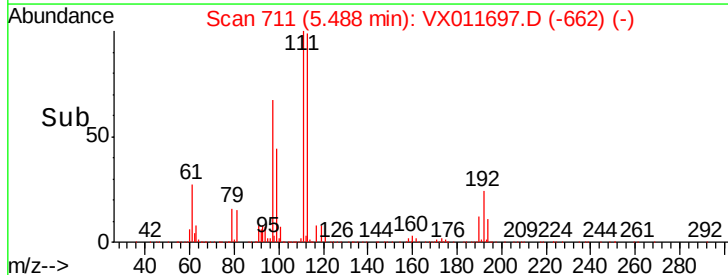
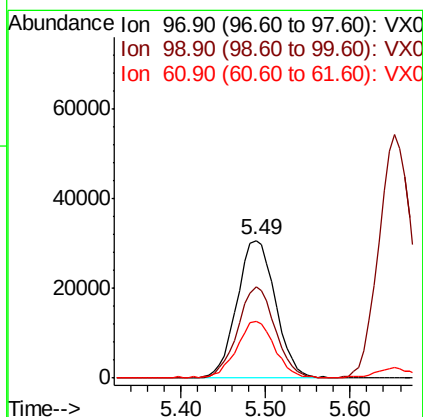
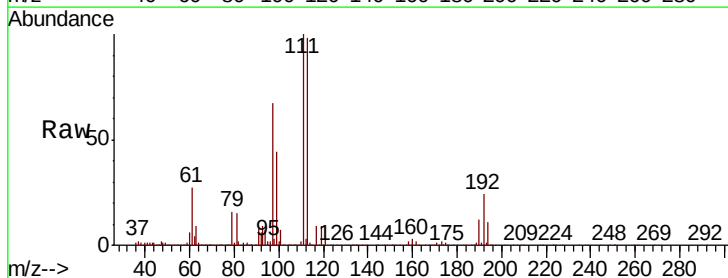
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

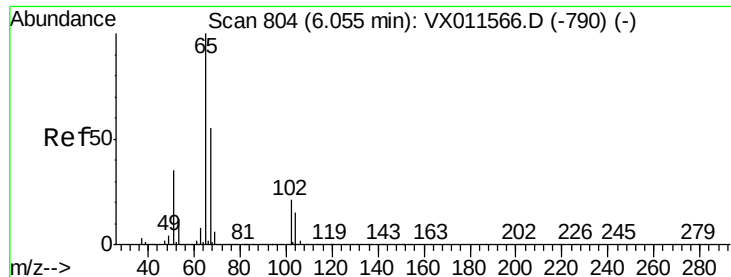
Tgt Ion: 56 Resp: 85384
Ion Ratio Lower Upper
56 100
69 30.9 24.8 37.2
84 86.8 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 20.744 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 97 Resp: 95055
Ion Ratio Lower Upper
97 100
99 63.6 51.4 77.0
61 39.7 31.4 47.2

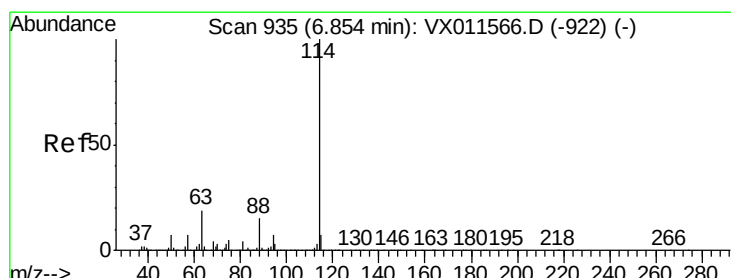
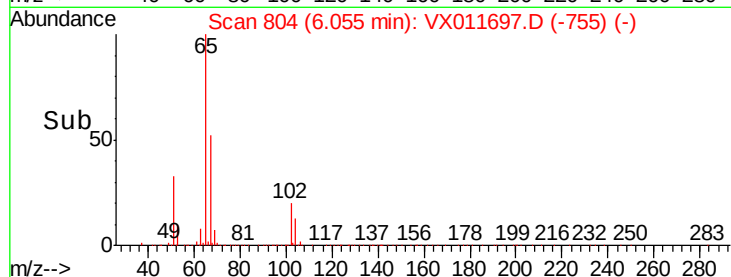
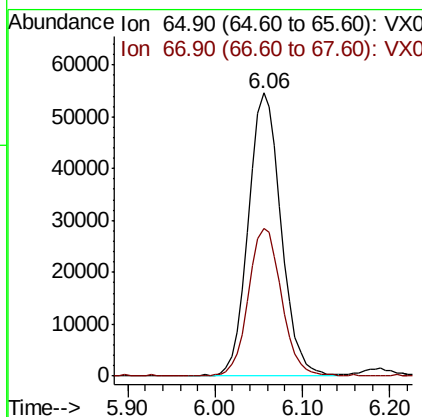
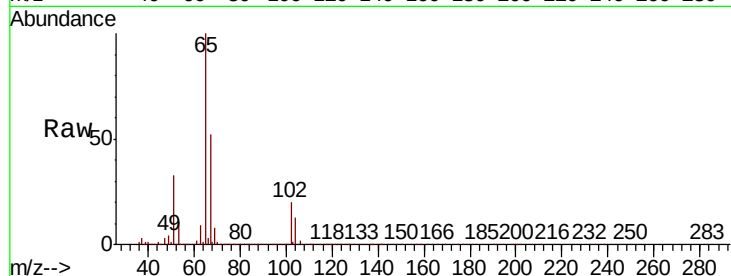




#33
 1,2-Dichloroethane-d4
 Concen: 48.520 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

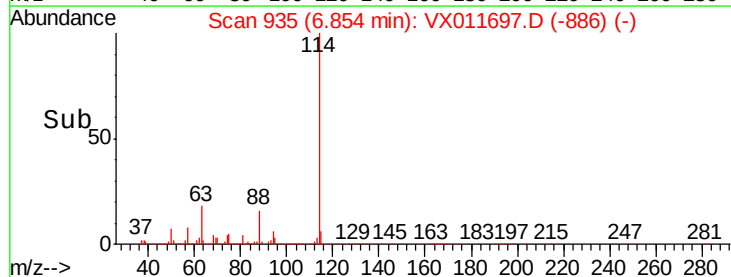
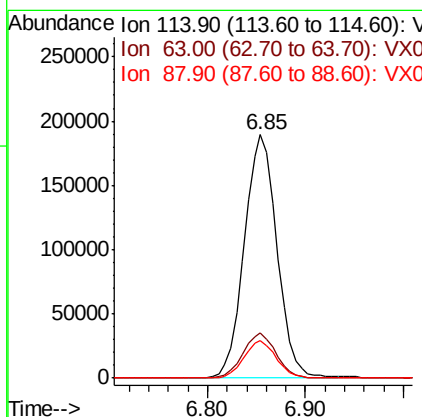
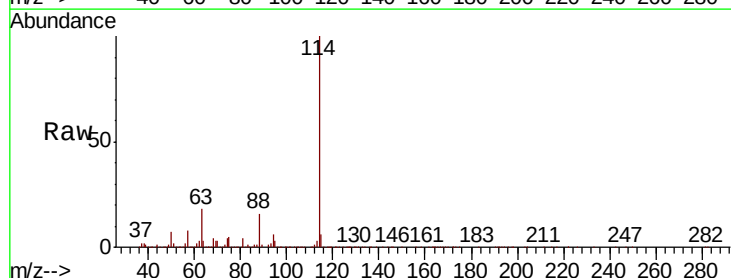
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

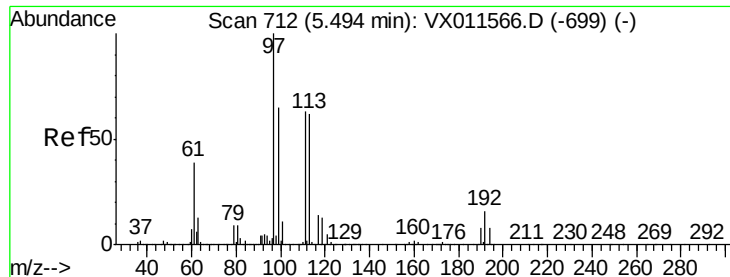
Tgt Ion: 65 Resp: 142267
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion: 114 Resp: 439156
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.8
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.886 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

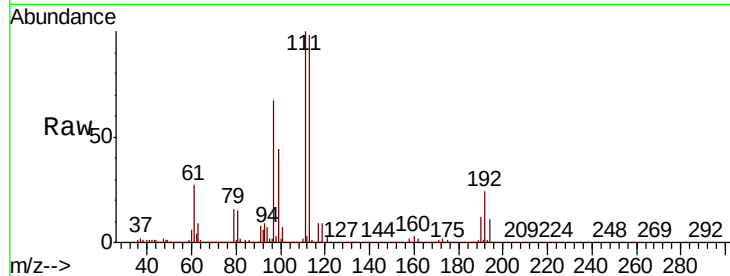
Tgt Ion:113 Resp: 131801

Ion Ratio Lower Upper

113 100

111 100.3 81.1 121.7

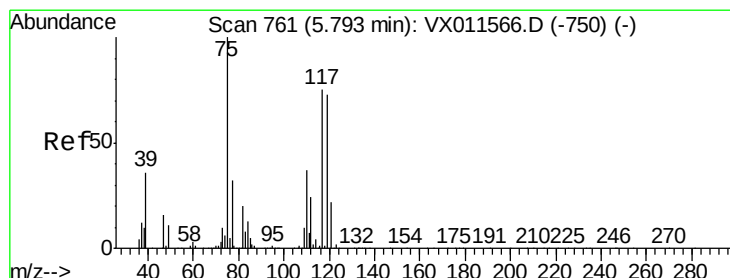
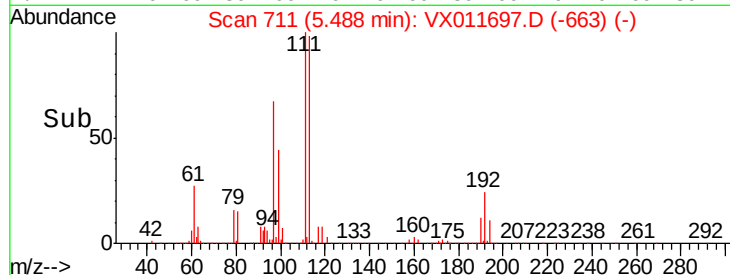
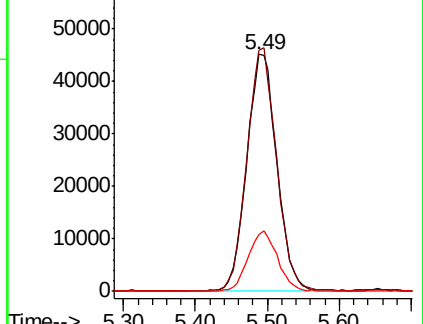
192 25.0 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.892 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

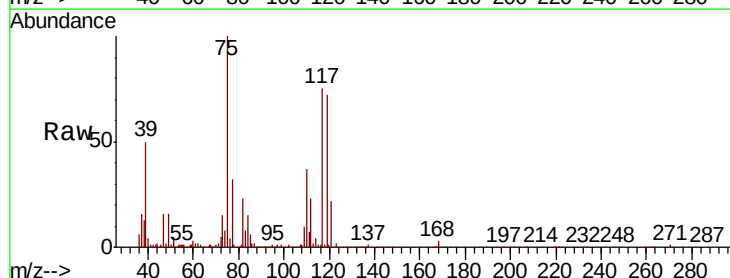
Tgt Ion: 75 Resp: 74688

Ion Ratio Lower Upper

75 100

110 39.9 19.4 58.1

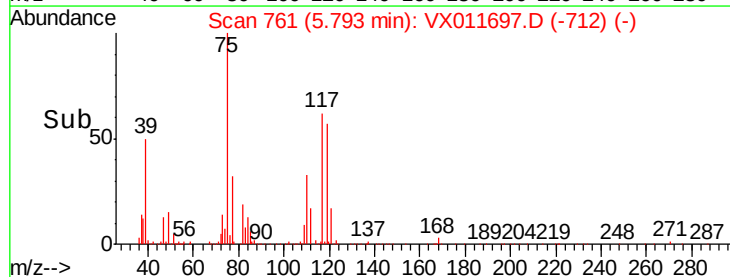
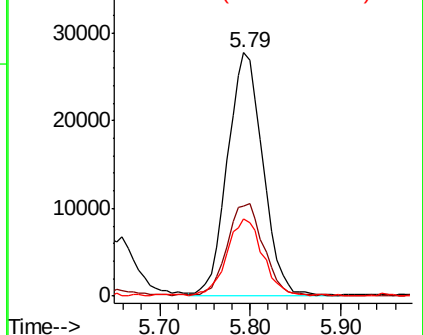
77 31.6 25.1 37.7

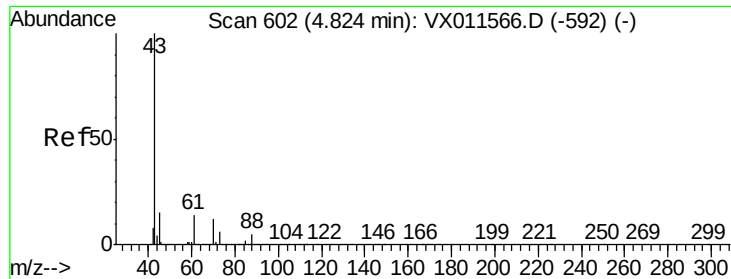


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

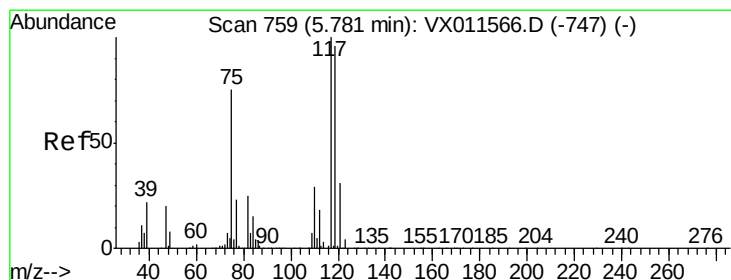
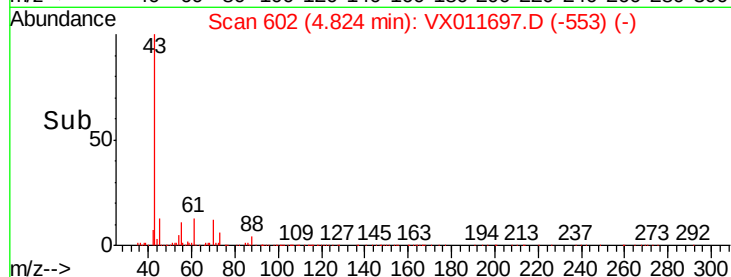
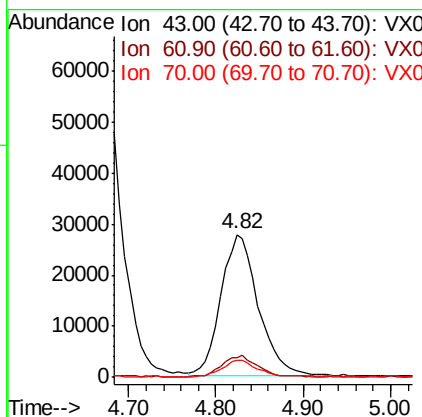
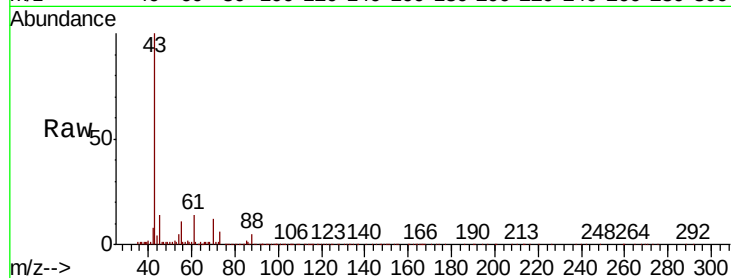




#37
Ethyl Acetate
Concen: 18.913 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

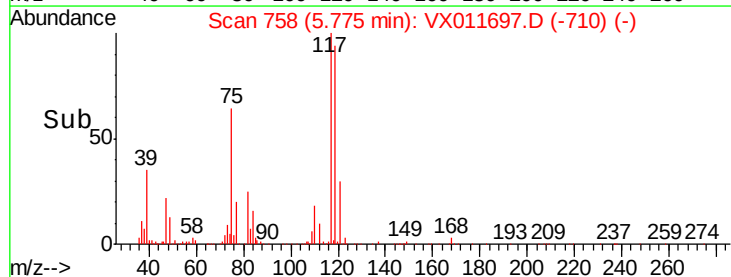
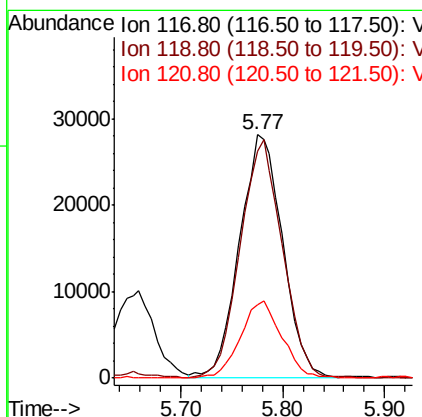
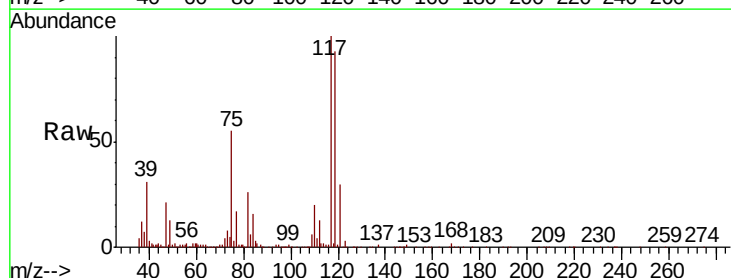
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

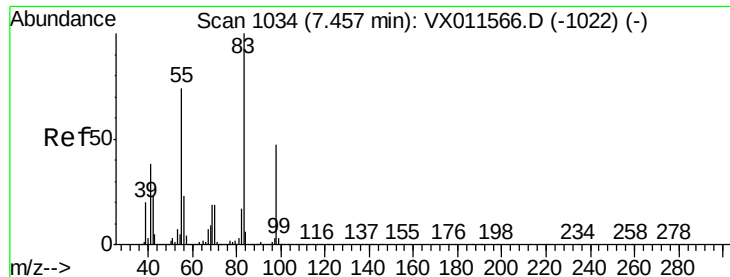
Tgt Ion: 43 Resp: 81679
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.0
70 11.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.824 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 117 Resp: 82006
Ion Ratio Lower Upper
117 100
119 93.1 76.9 115.3
121 30.1 24.8 37.2

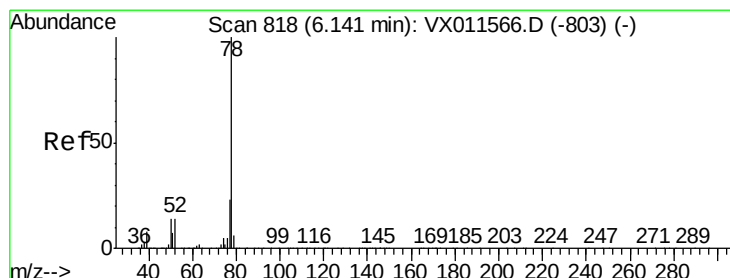
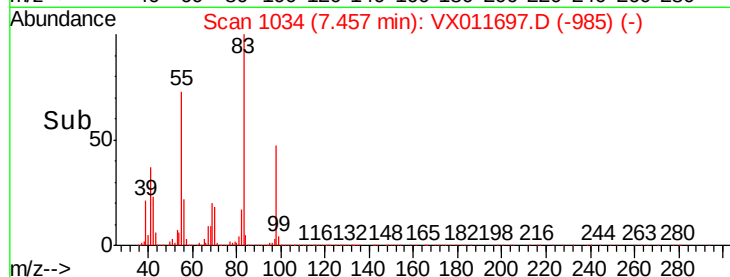
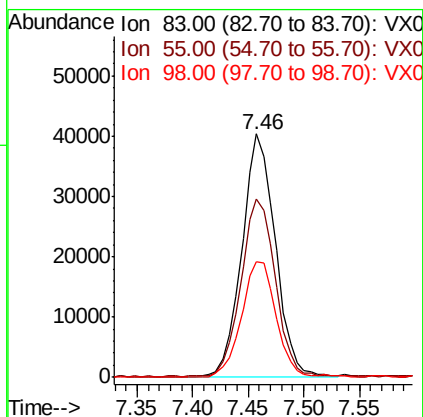
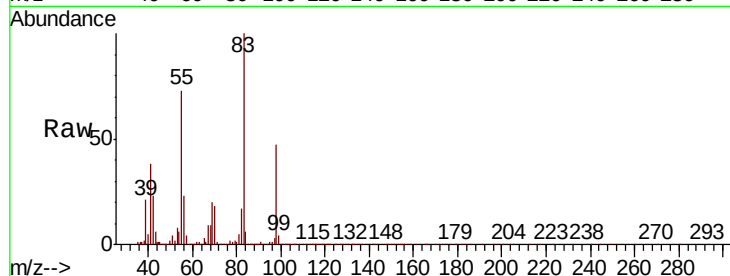




#39
Methylcyclohexane
Concen: 18.276 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

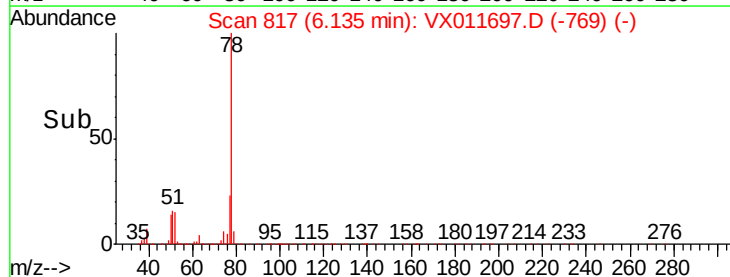
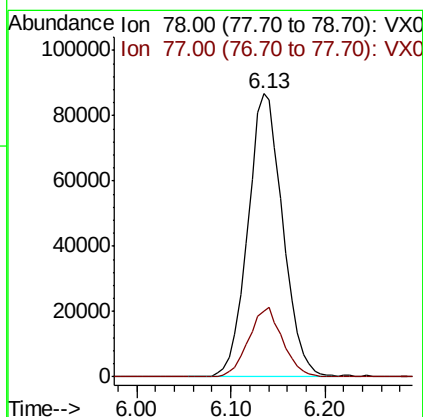
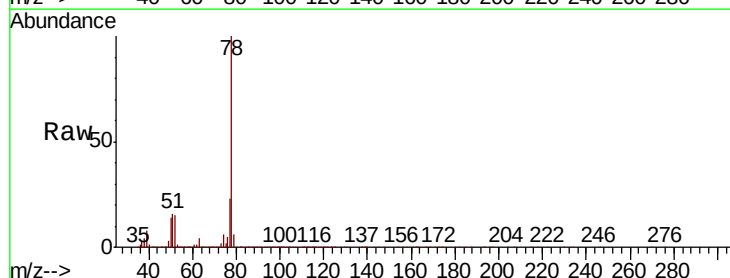
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

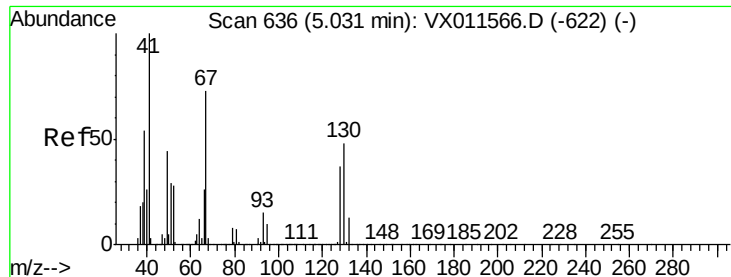
Tgt Ion: 83 Resp: 84744
Ion Ratio Lower Upper
83 100
55 73.0 58.8 88.2
98 47.1 37.8 56.6



#40
Benzene
Concen: 19.327 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 78 Resp: 225505
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

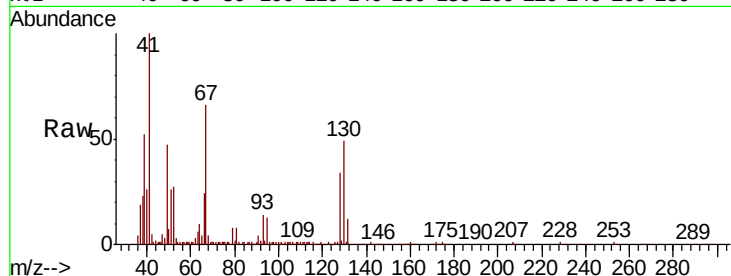




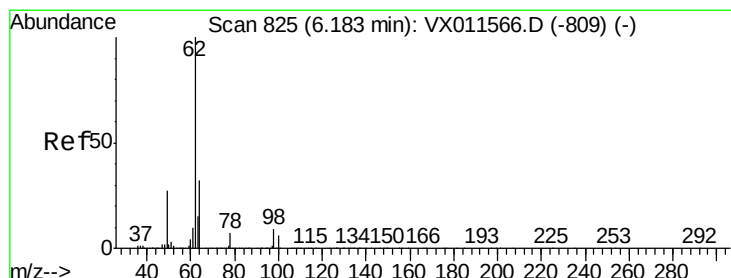
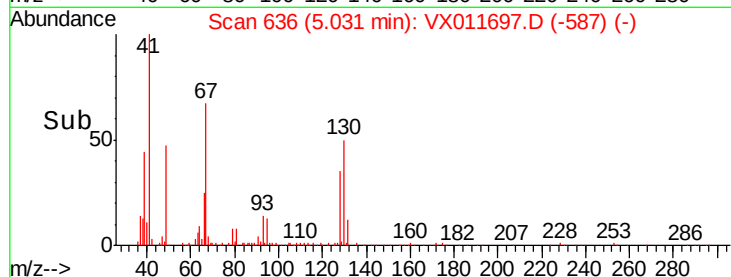
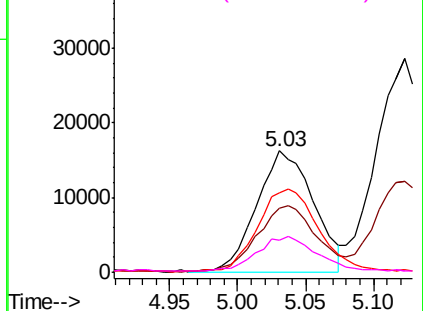
#41
Methacrylonitrile
Concen: 19.980 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tgt Ion:	41	Resp:	47489
Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.5	65.3
67	72.5	59.4	89.2
52	33.0	23.4	35.2

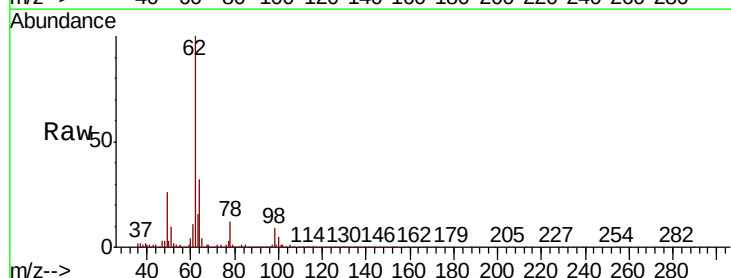


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

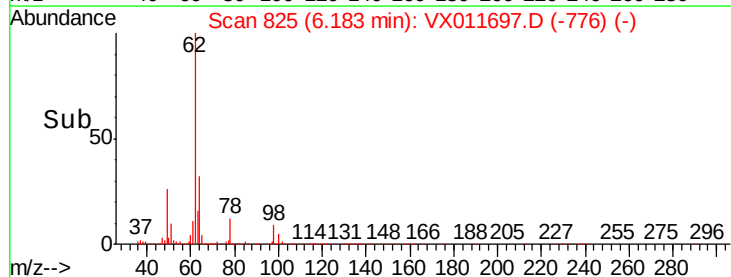
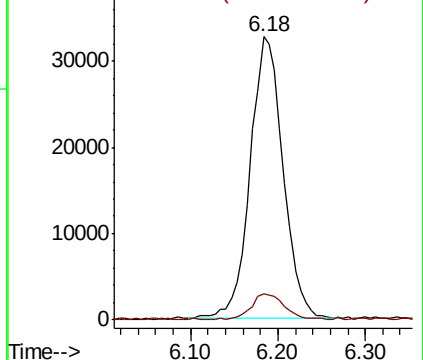


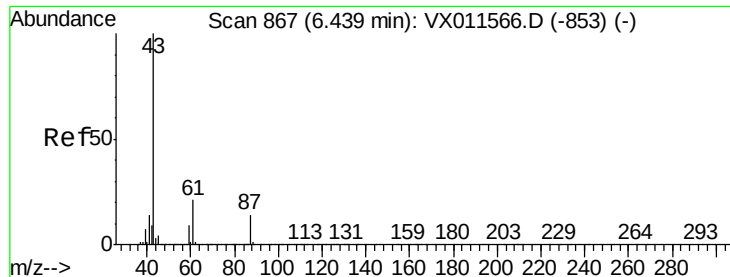
#42
1,2-Dichloroethane
Concen: 21.103 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion:	62	Resp:	85311
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.072 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

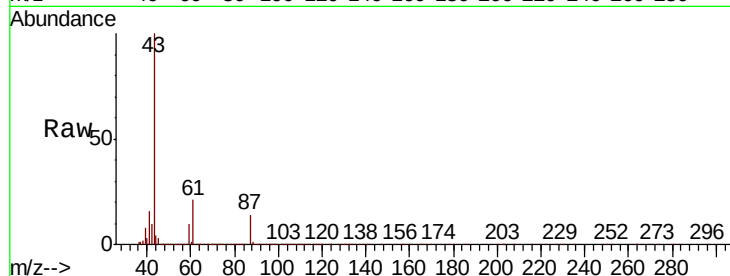
Tgt Ion: 43 Resp: 128538

Ion Ratio Lower Upper

43 100

61 21.0 16.6 24.8

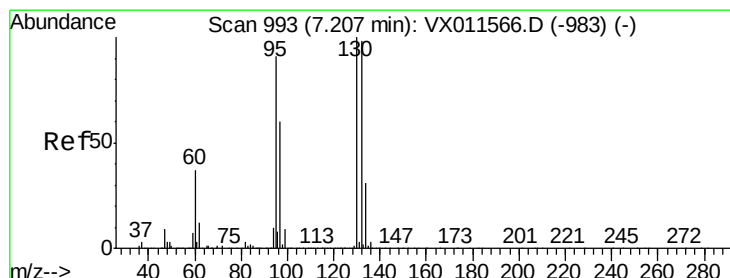
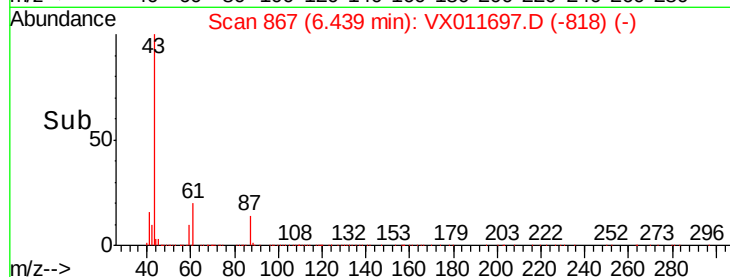
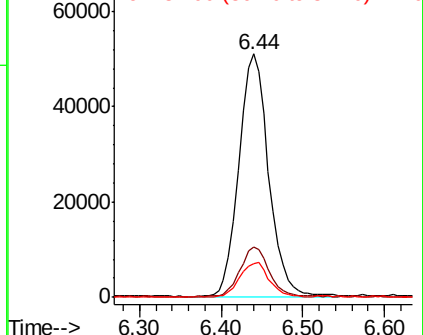
87 14.3 11.4 17.2



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: 19.578 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011697.D

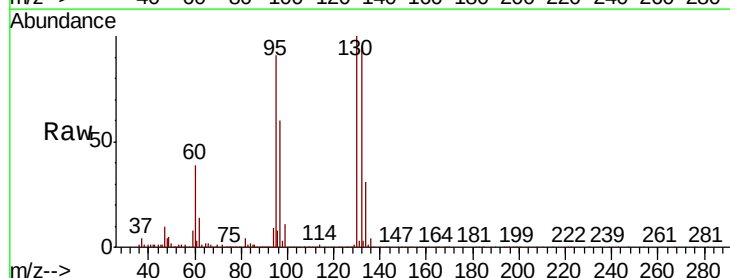
Acq: 20 Aug 2019 20:53

Tgt Ion: 130 Resp: 67768

Ion Ratio Lower Upper

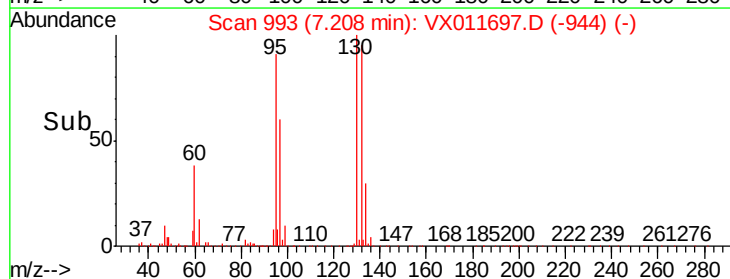
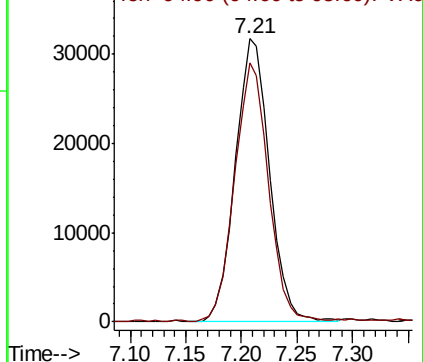
130 100

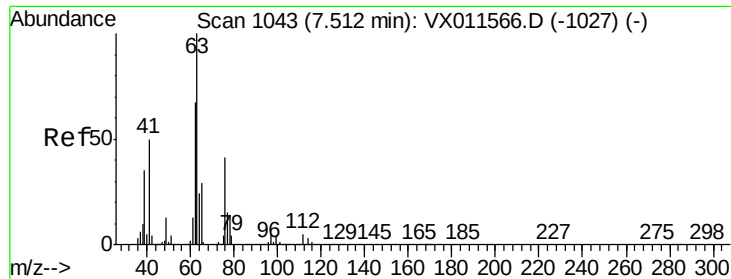
95 91.0 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.782 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

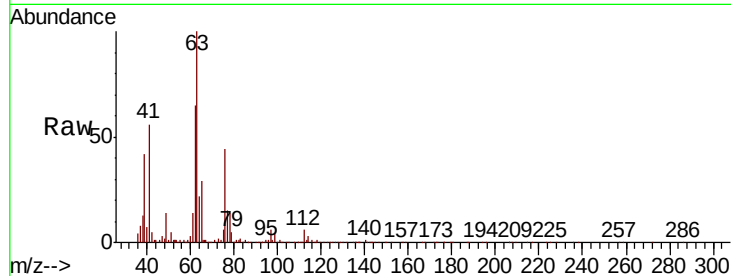
VX0820WBS02

Tgt Ion: 63 Resp: 57564

Ion Ratio Lower Upper

63 100

65 29.2 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

30000

25000

20000

15000

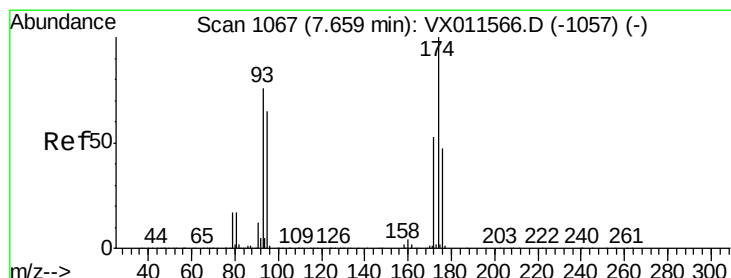
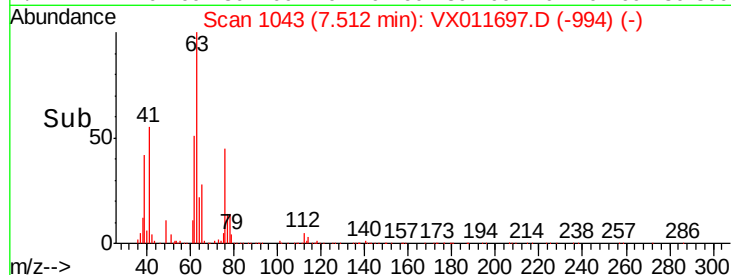
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 18.596 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

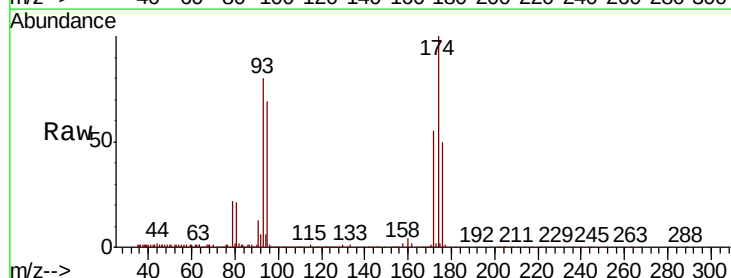
Tgt Ion: 93 Resp: 39323

Ion Ratio Lower Upper

93 100

95 87.5 67.2 100.8

174 124.9 105.5 158.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

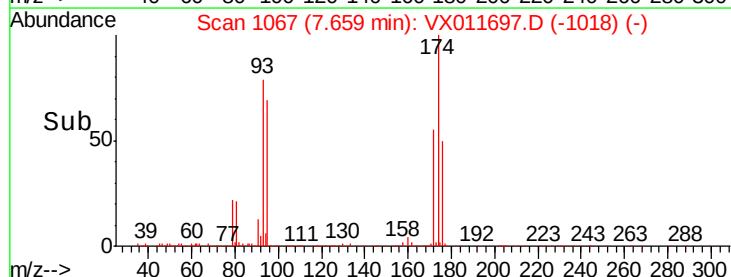
20000

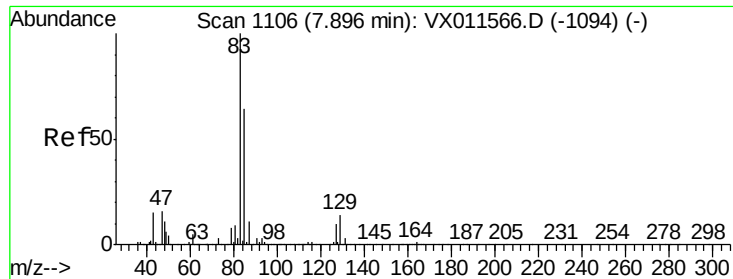
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 19.444 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

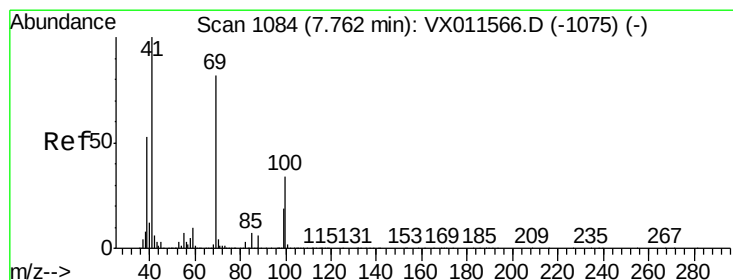
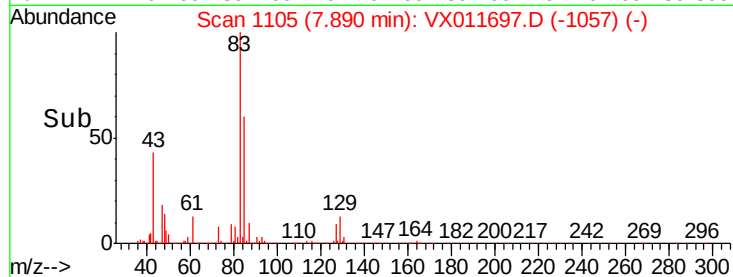
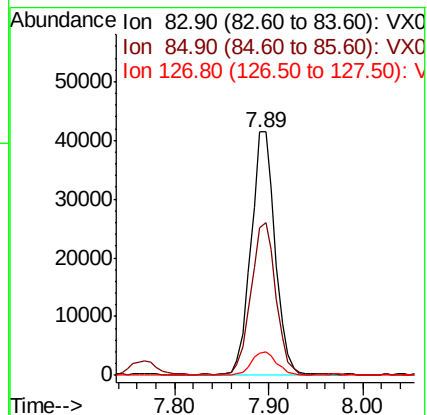
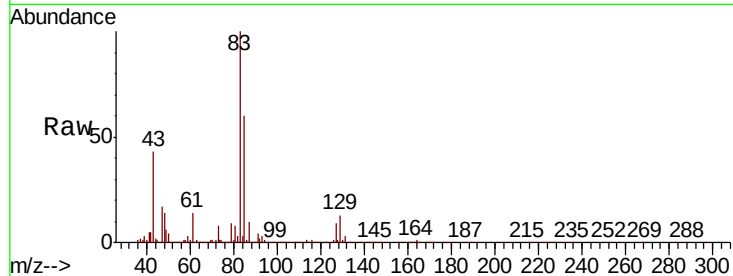
Tgt Ion: 83 Resp: 75495

Ion Ratio Lower Upper

83 100

85 60.1 51.2 76.8

127 9.1 8.1 12.1



#48

Methyl methacrylate

Concen: 19.752 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

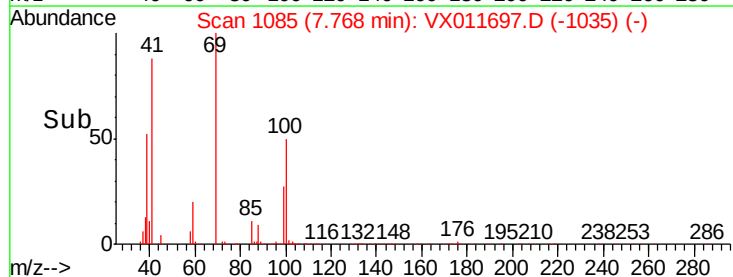
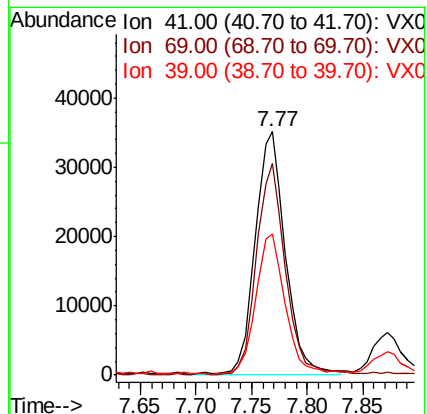
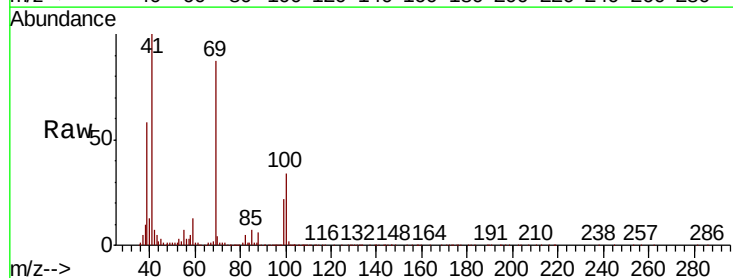
Tgt Ion: 41 Resp: 65924

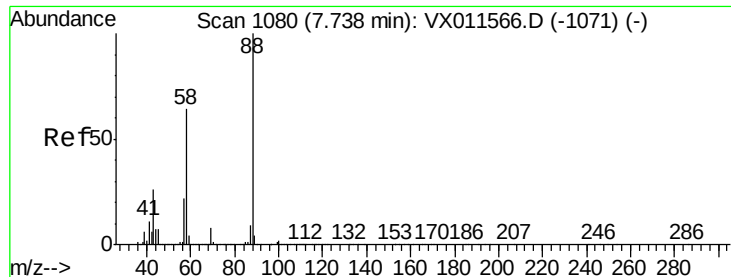
Ion Ratio Lower Upper

41 100

69 82.8 67.9 101.9

39 58.5 41.6 62.4





#49

1,4-Dioxane

Concen: 399.659 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

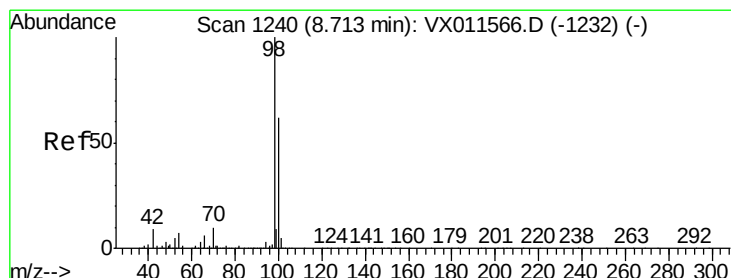
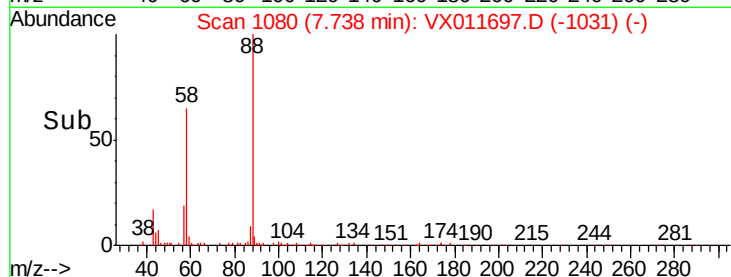
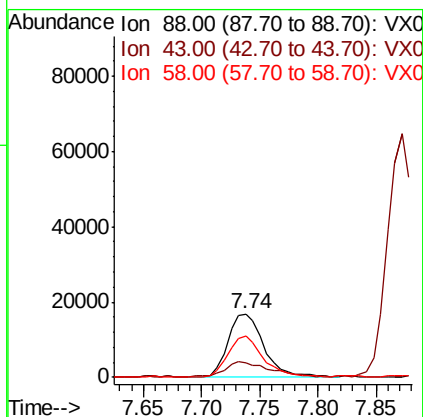
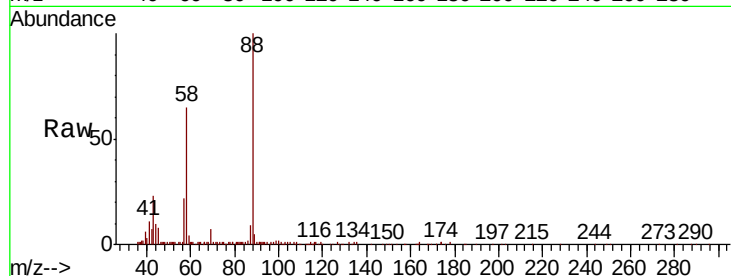
Tgt Ion: 88 Resp: 35479

Ion Ratio Lower Upper

88 100

43 29.0 23.4 35.0

58 65.8 54.3 81.5



#50

Toluene-d8

Concen: 45.377 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011697.D

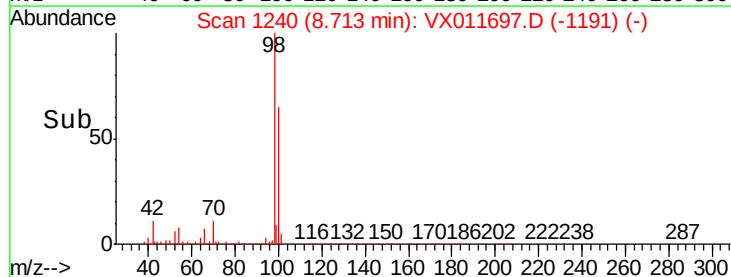
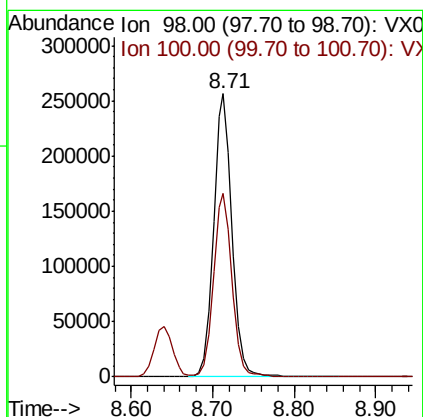
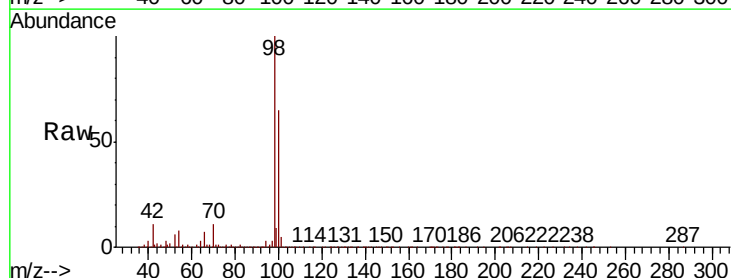
Acq: 20 Aug 2019 20:53

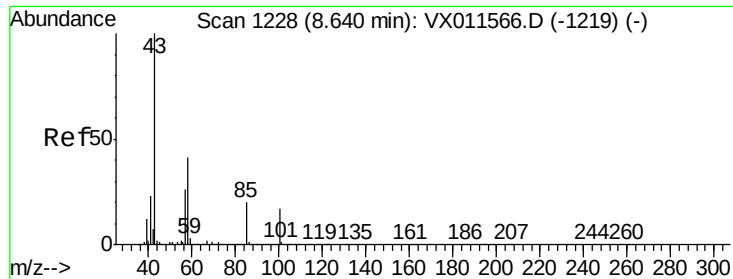
Tgt Ion: 98 Resp: 406116

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

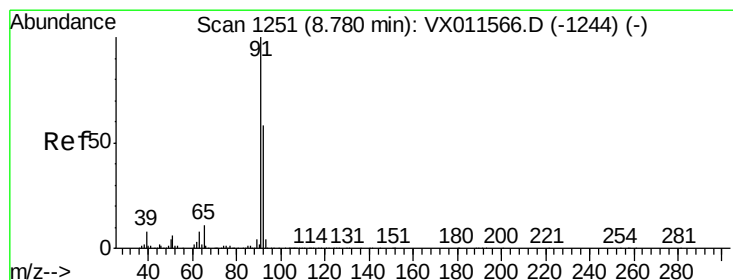
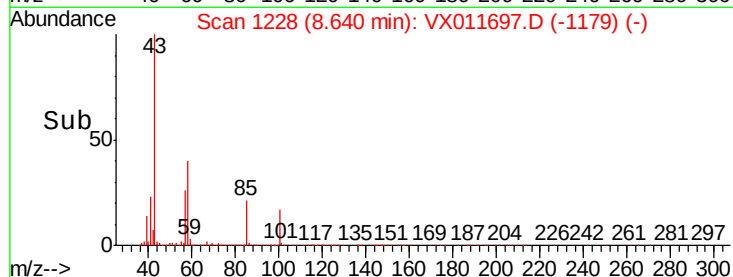
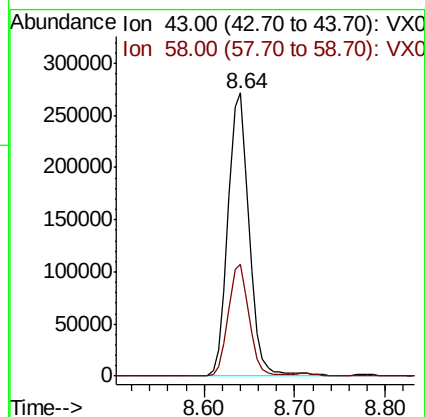
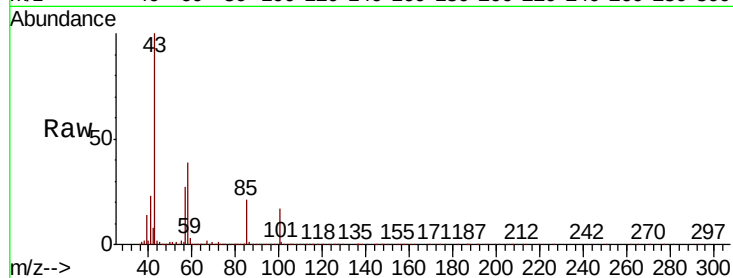




#51
 4-Methyl-2-Pentanone
 Concen: 99.974 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

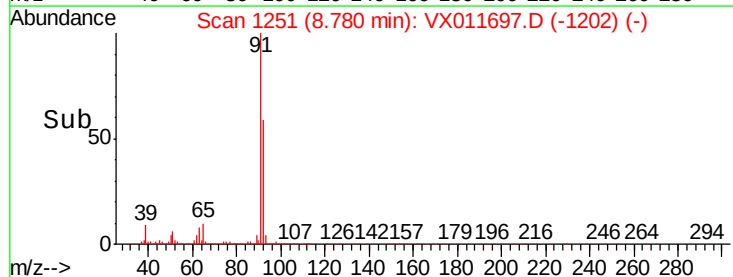
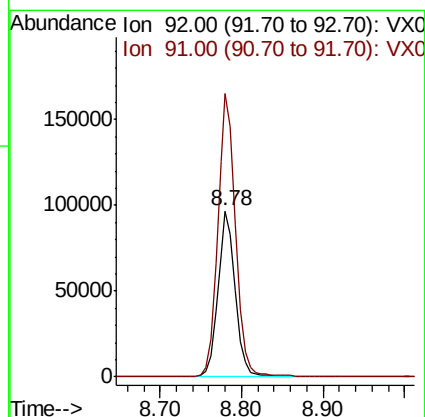
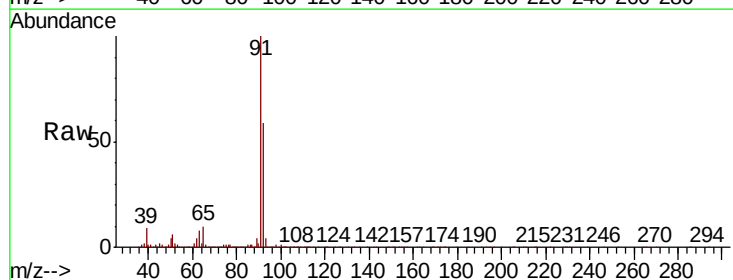
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

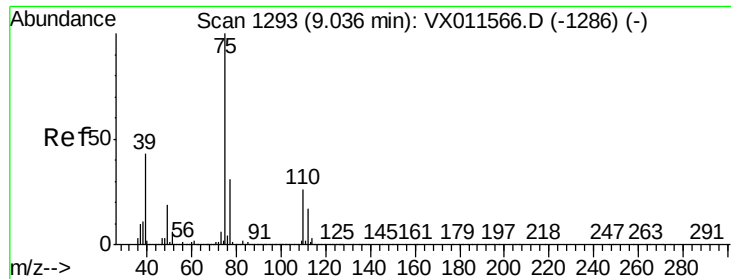
Tgt Ion: 43 Resp: 441032
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.8 47.6



#52
 Toluene
 Concen: 19.452 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion: 92 Resp: 144598
 Ion Ratio Lower Upper
 92 100
 91 175.2 138.0 207.0

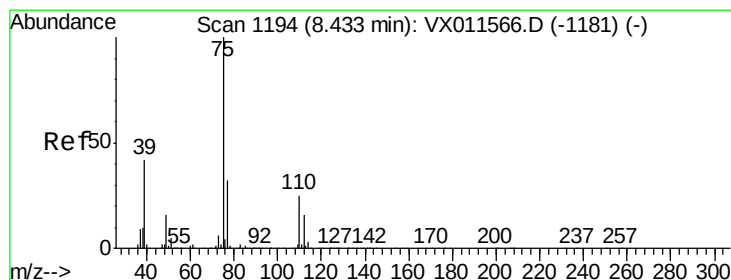
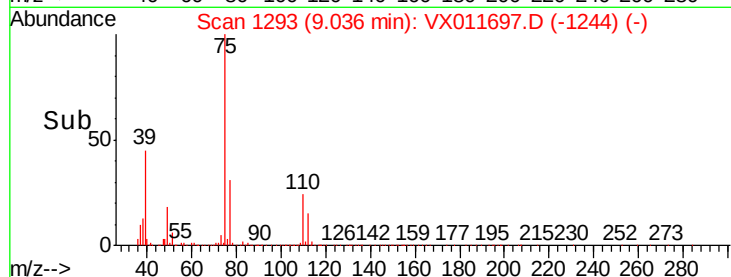
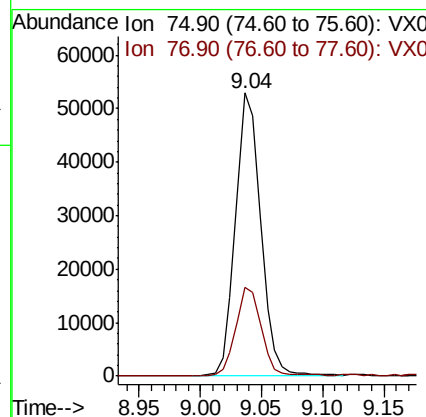
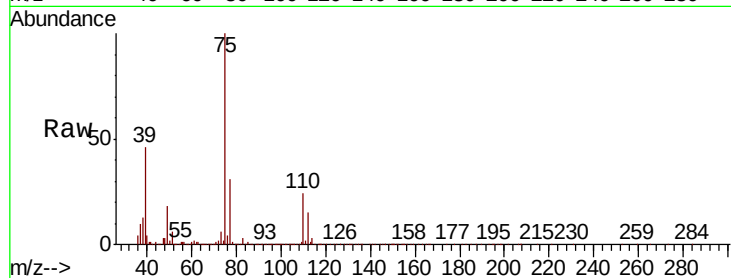




#53
 t-1,3-Dichloropropene
 Concen: 18.795 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

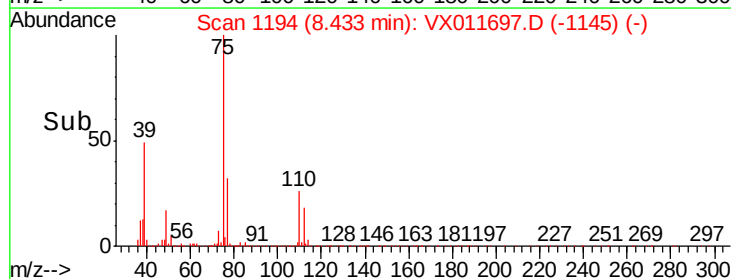
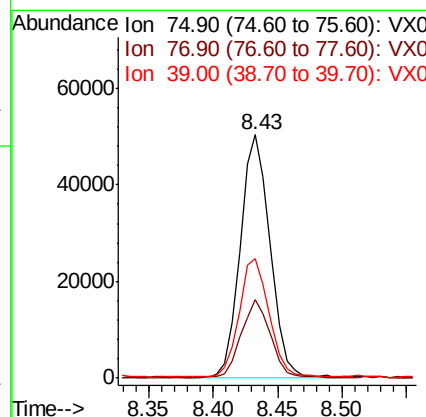
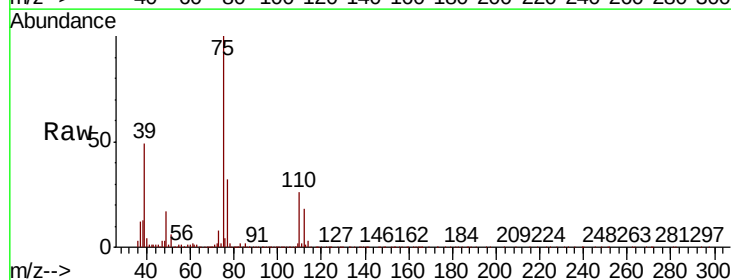
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

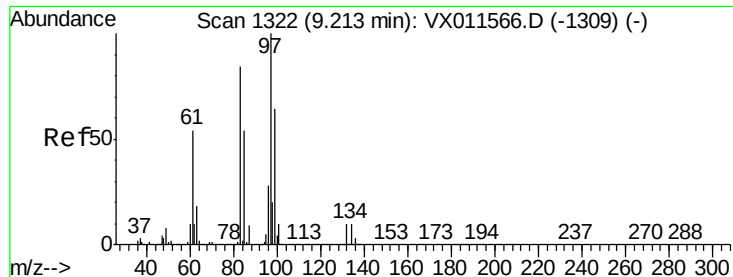
Tgt Ion: 75 Resp: 75737
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 18.248 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion: 75 Resp: 80474
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3
 39 48.7 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 19.666 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tgt Ion: 97 Resp: 62167

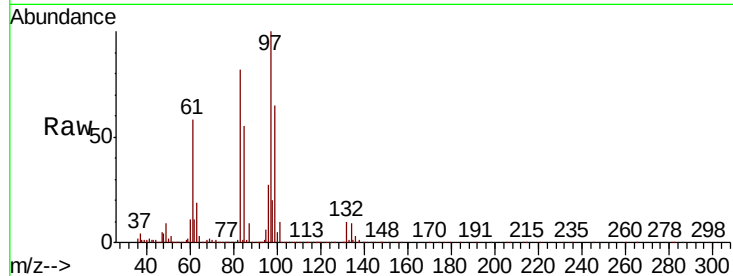
Ion Ratio Lower Upper

97 100

83 82.0 67.4 101.0

85 54.6 43.4 65.2

99 64.4 51.1 76.7

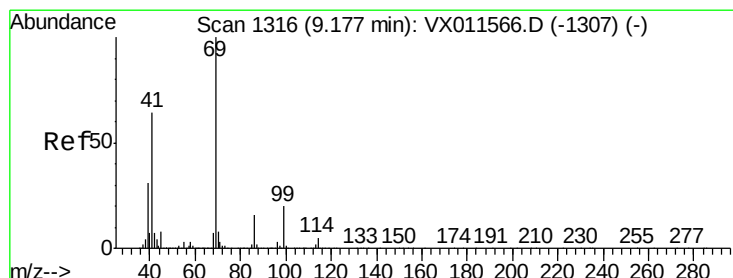
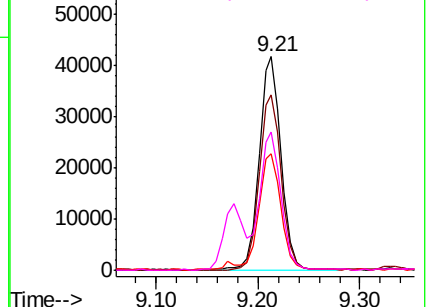
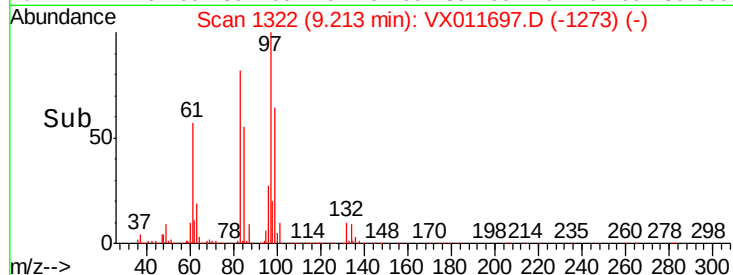


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 19.637 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

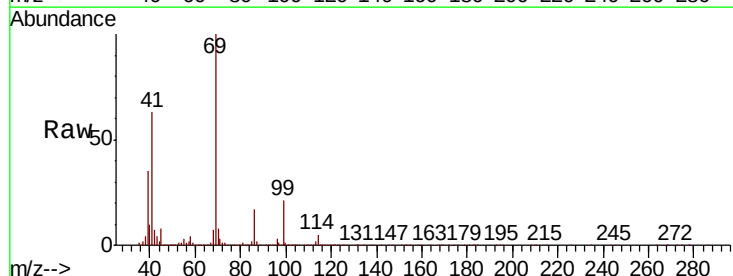
Tgt Ion: 69 Resp: 90224

Ion Ratio Lower Upper

69 100

41 65.5 52.1 78.1

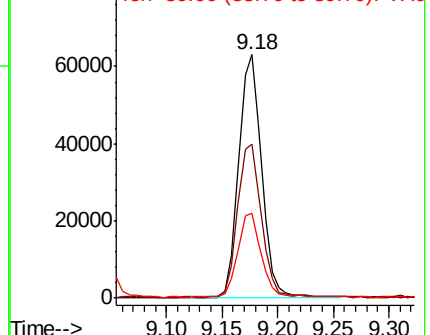
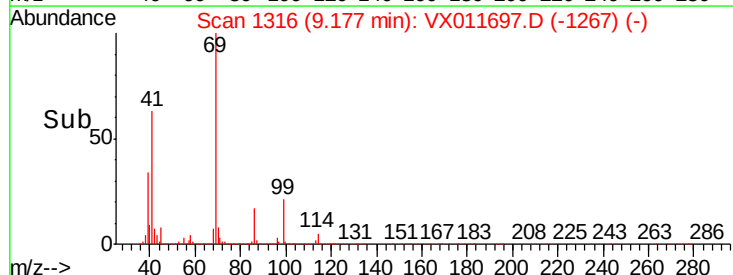
39 34.6 25.4 38.0

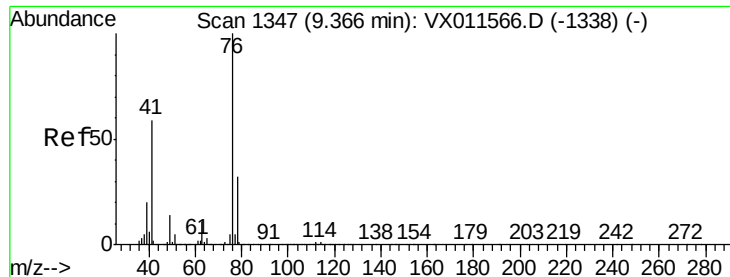


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.918 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

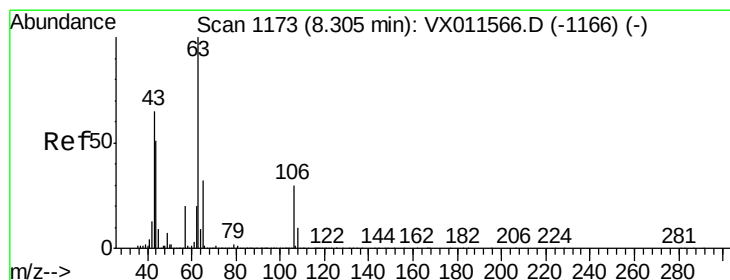
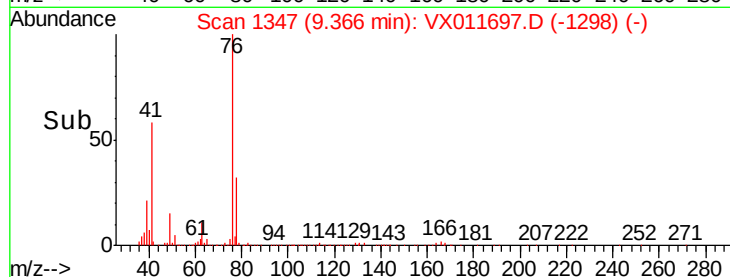
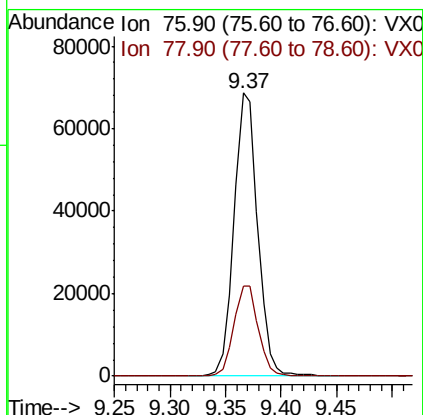
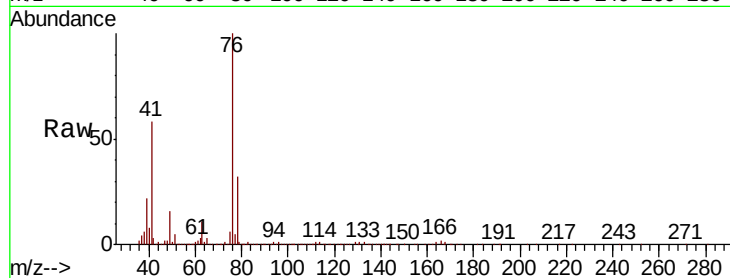
VX0820WBS02

Tgt Ion: 76 Resp: 100087

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 93.697 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011697.D

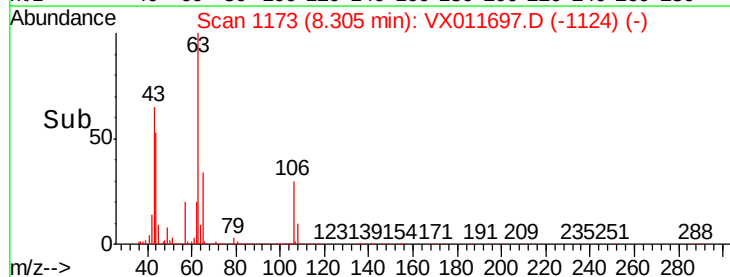
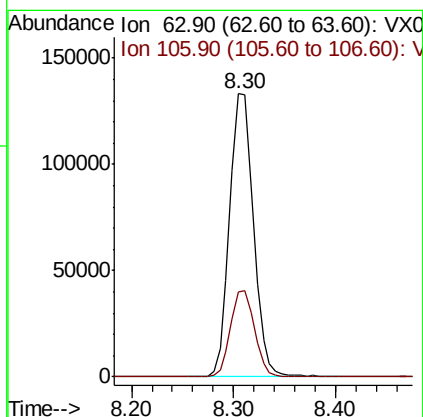
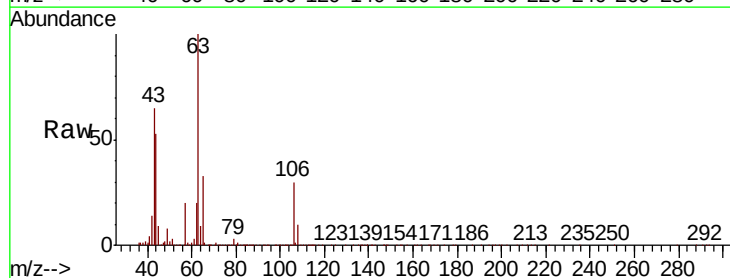
Acq: 20 Aug 2019 20:53

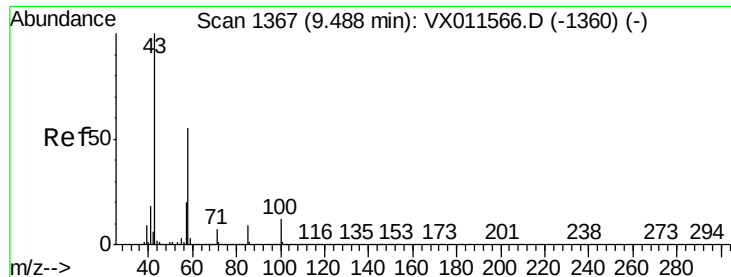
Tgt Ion: 63 Resp: 214499

Ion Ratio Lower Upper

63 100

106 31.1 24.7 37.1

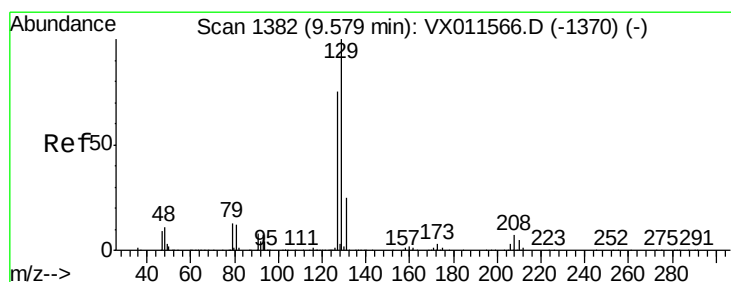
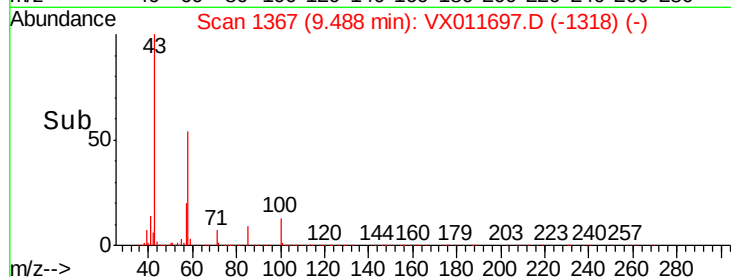
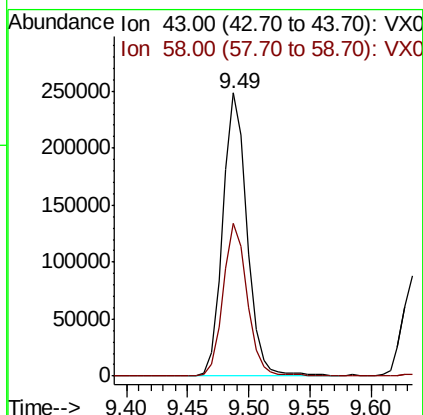
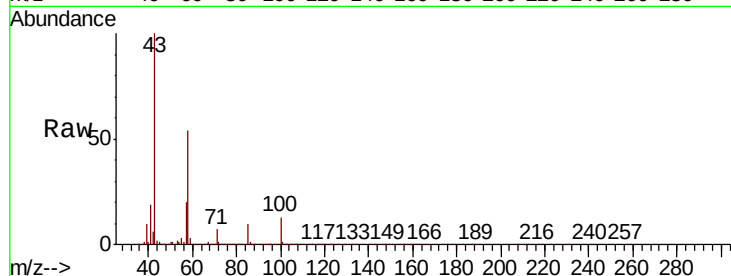




#59
2-Hexanone
Concen: 100.450 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

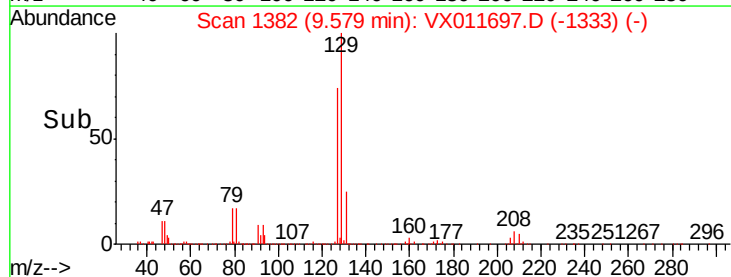
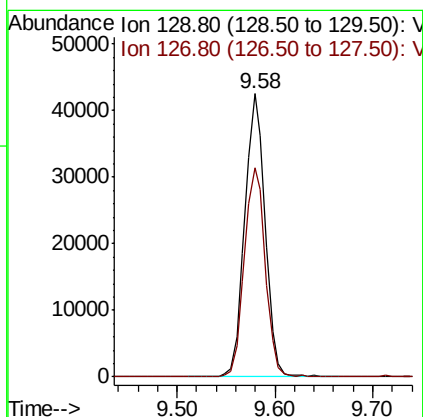
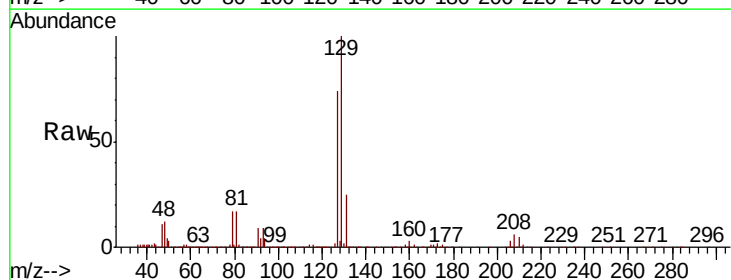
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

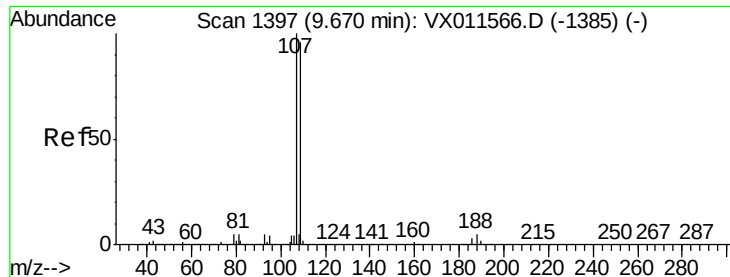
Tgt Ion: 43 Resp: 341723
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4



#60
Dibromochloromethane
Concen: 18.702 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 129 Resp: 61597
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.735 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

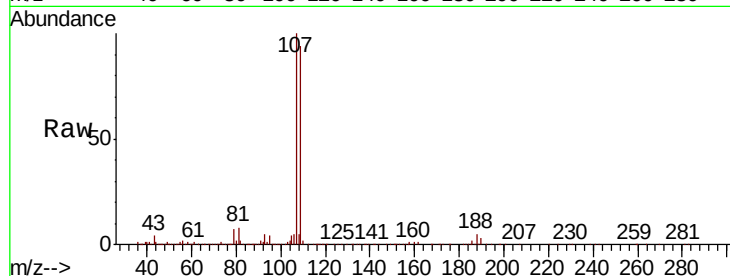
VX0820WBS02

Tgt Ion: 107 Resp: 66580

Ion Ratio Lower Upper

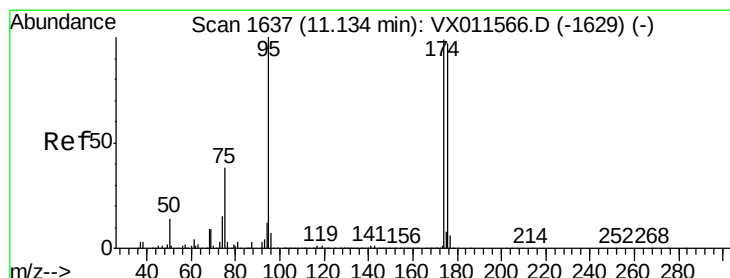
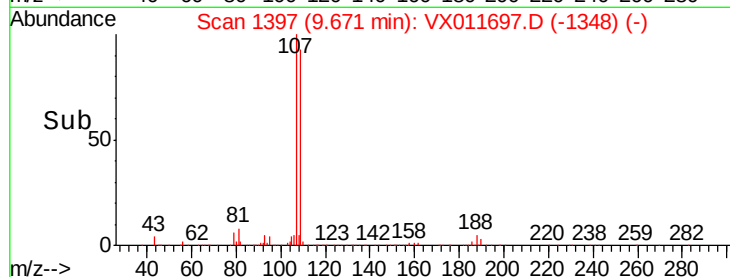
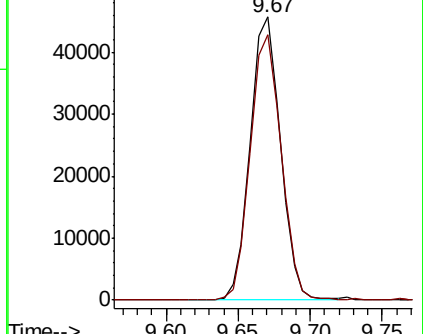
107 100

109 95.3 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.790 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

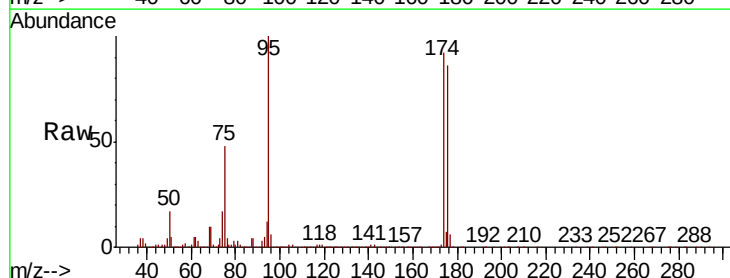
Tgt Ion: 95 Resp: 161643

Ion Ratio Lower Upper

95 100

174 92.9 0.0 200.6

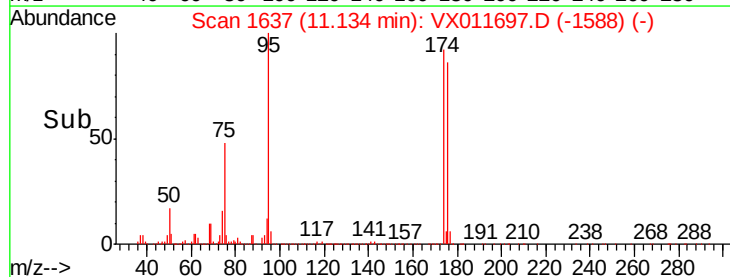
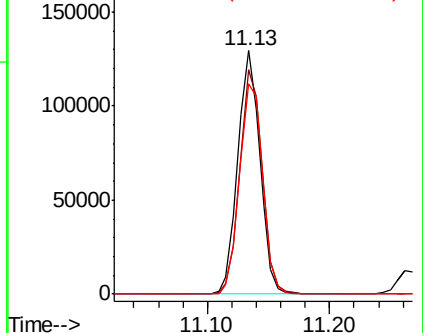
176 90.7 0.0 196.6

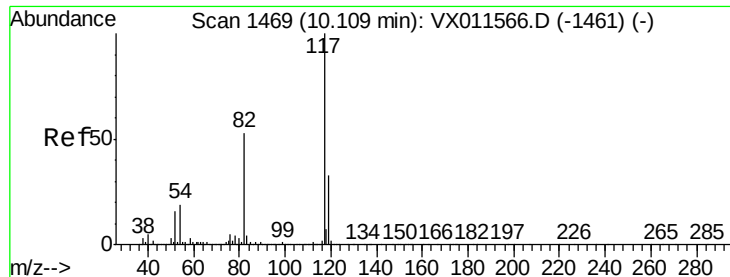


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

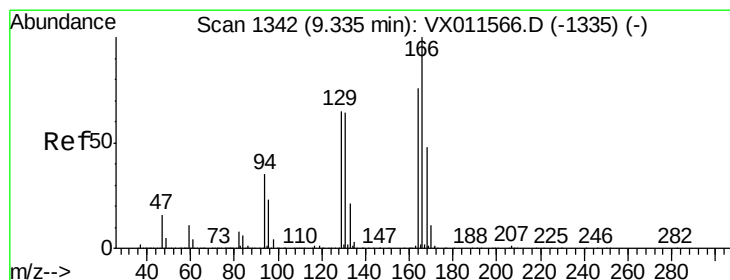
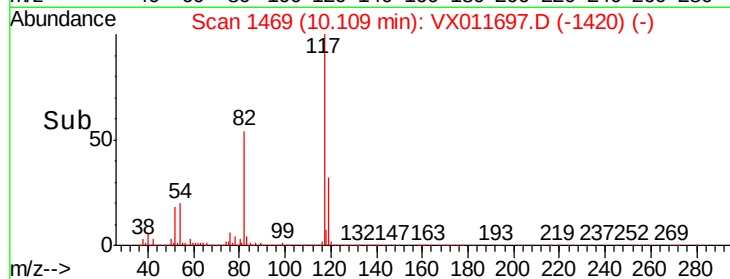
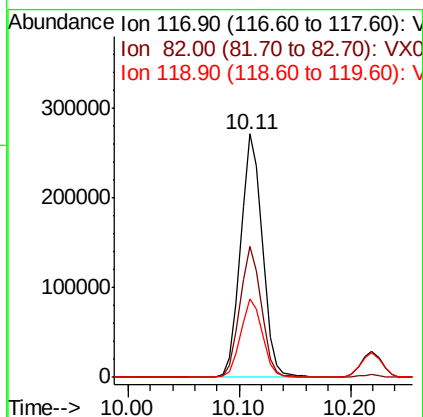
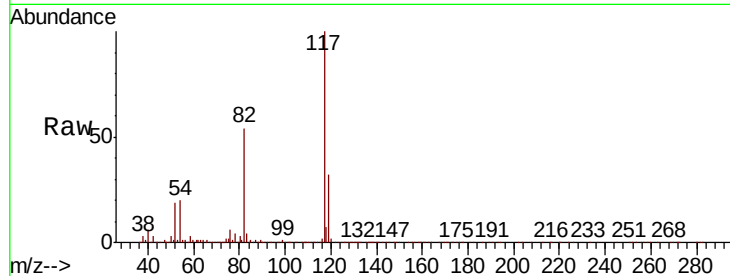




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

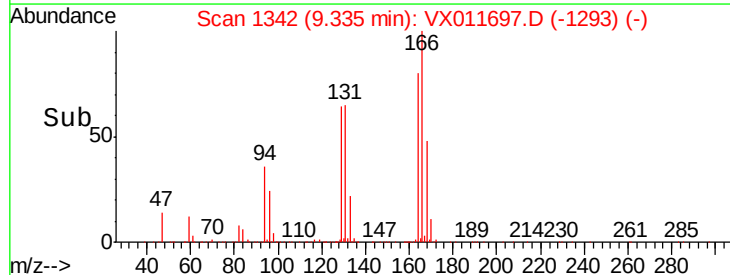
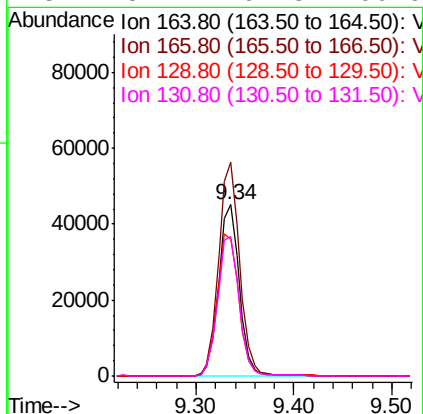
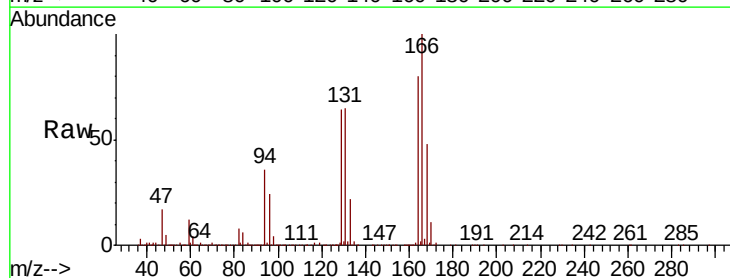
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

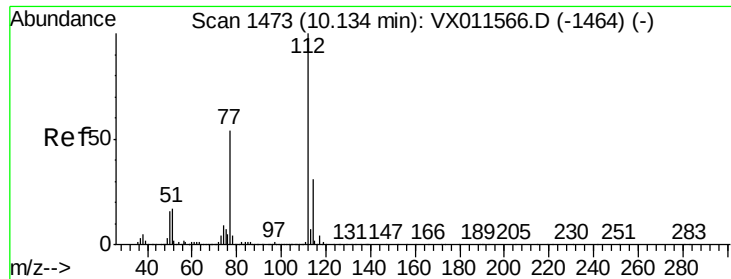
Tgt Ion:117 Resp: 366919
Ion Ratio Lower Upper
117 100
82 53.6 42.0 63.0
119 32.3 26.5 39.7



#64
Tetrachloroethene
Concen: 22.233 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion:164 Resp: 66931
Ion Ratio Lower Upper
164 100
166 124.6 104.7 157.1
129 79.5 68.2 102.4
131 81.2 67.3 100.9

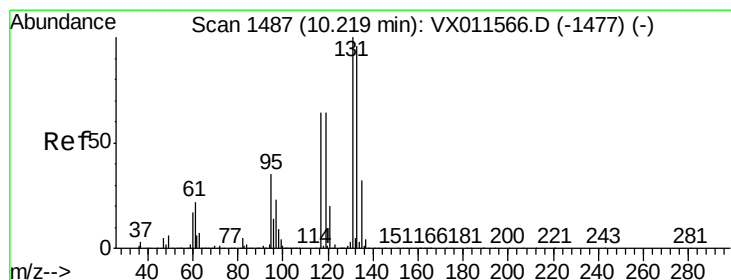
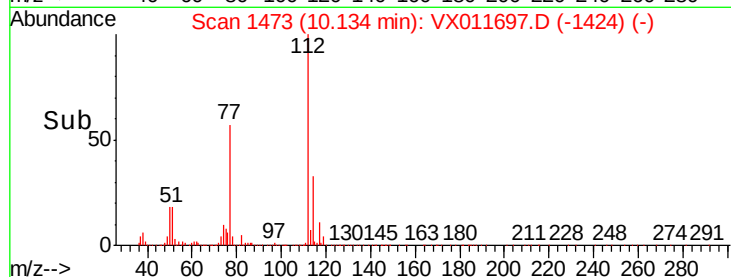
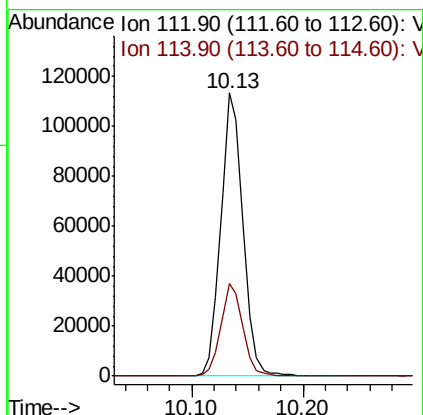
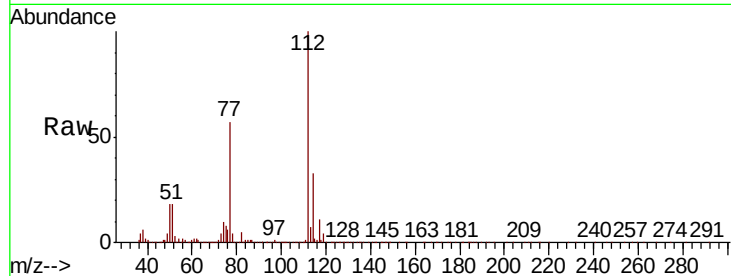




#65
Chlorobenzene
Concen: 19.865 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

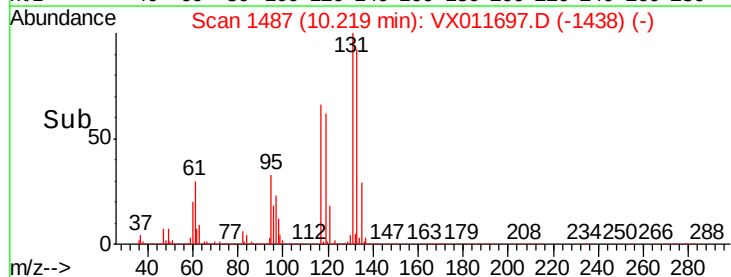
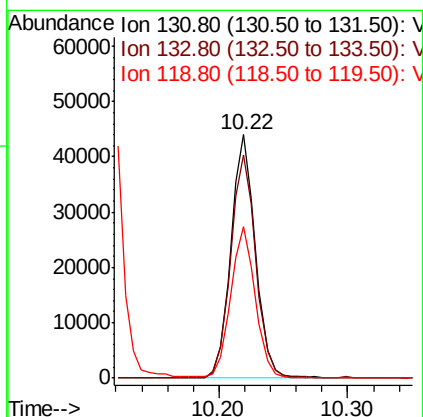
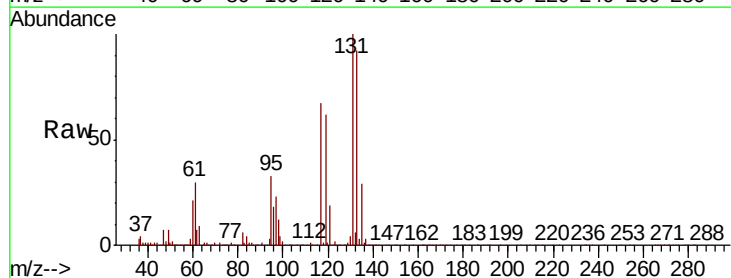
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

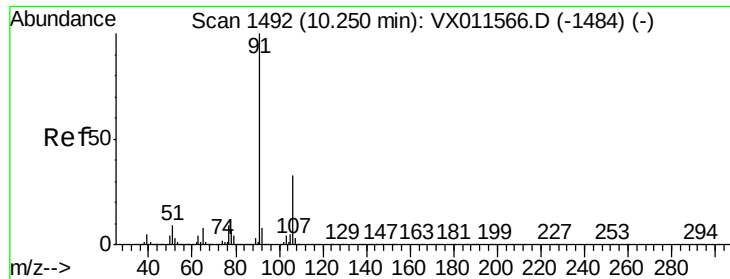
Tgt Ion:112 Resp: 155461
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.037 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion:131 Resp: 58611
Ion Ratio Lower Upper
131 100
133 93.1 48.1 144.4
119 61.2 31.3 93.8





#67

Ethyl Benzene

Concen: 20.140 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

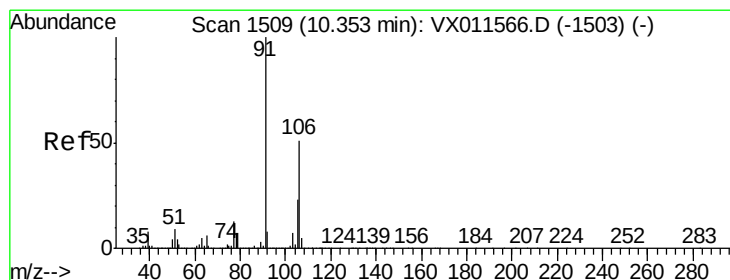
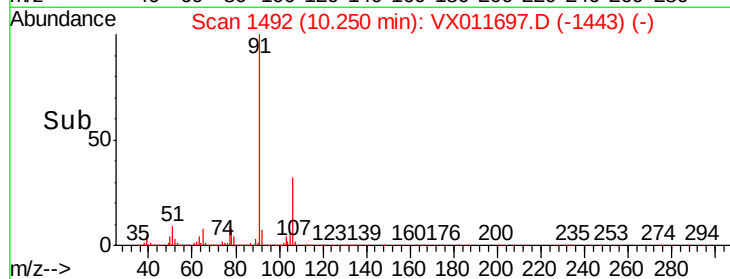
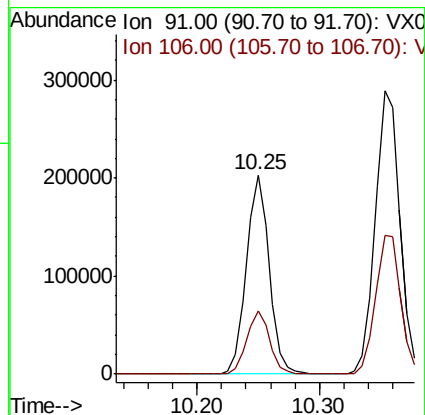
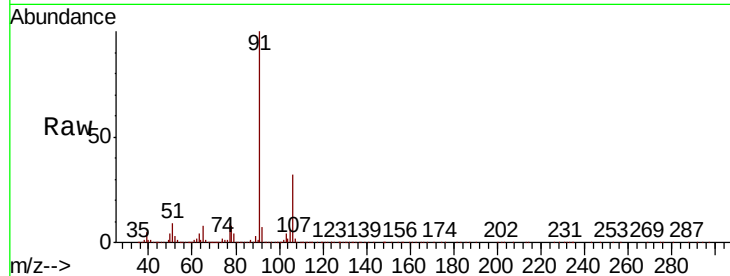
VX0820WBS02

Tgt Ion: 91 Resp: 263048

Ion Ratio Lower Upper

91 100

106 31.6 26.0 39.0



#68

m/p-Xylenes

Concen: 40.514 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011697.D

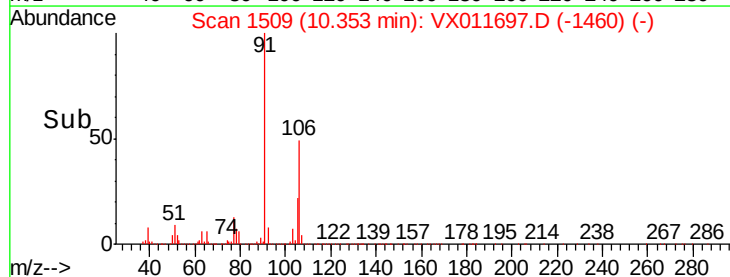
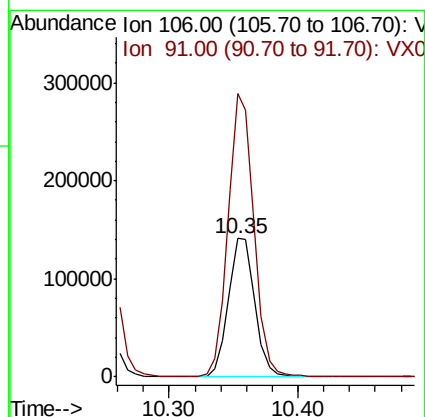
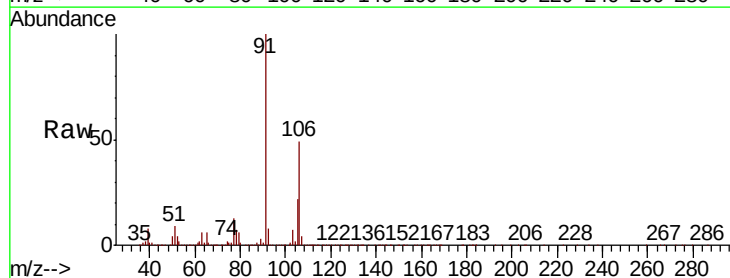
Acq: 20 Aug 2019 20:53

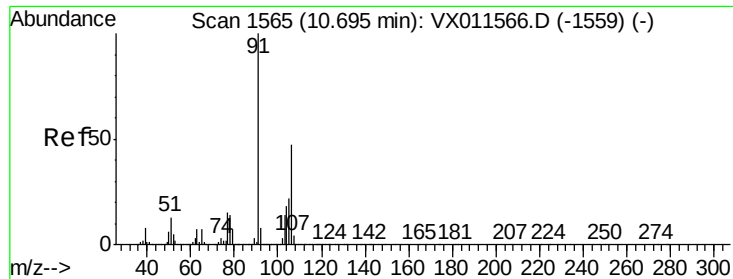
Tgt Ion: 106 Resp: 203117

Ion Ratio Lower Upper

106 100

91 199.7 156.0 234.0

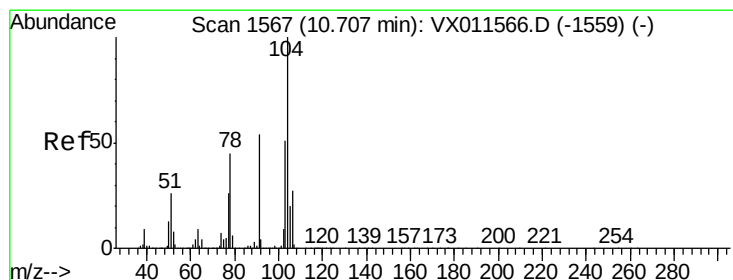
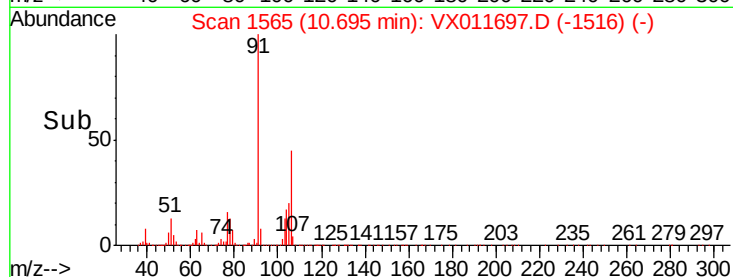
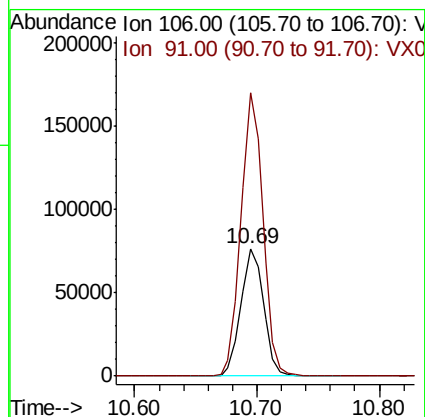
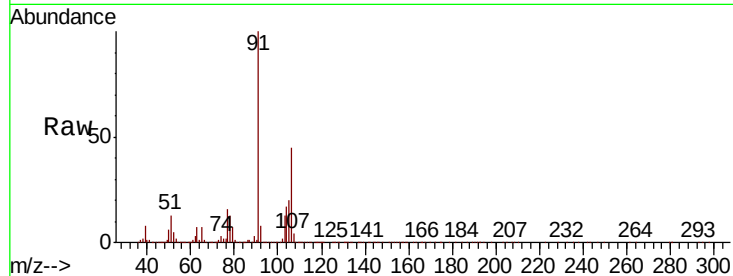




#69
o-Xylene
Concen: 20.030 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

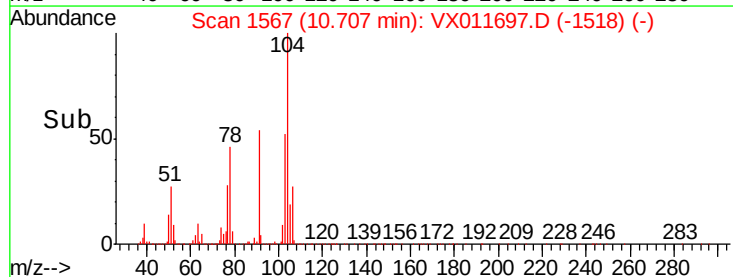
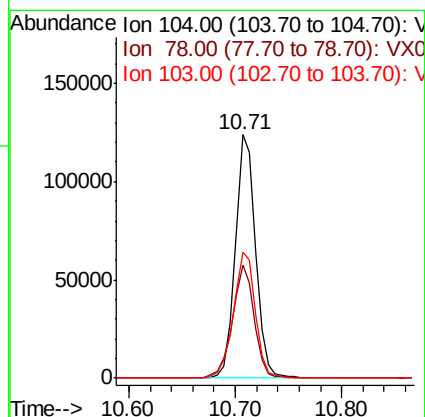
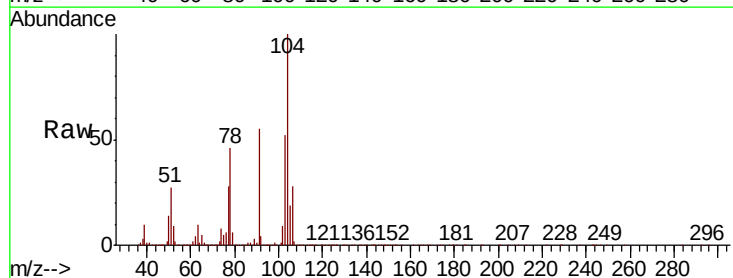
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

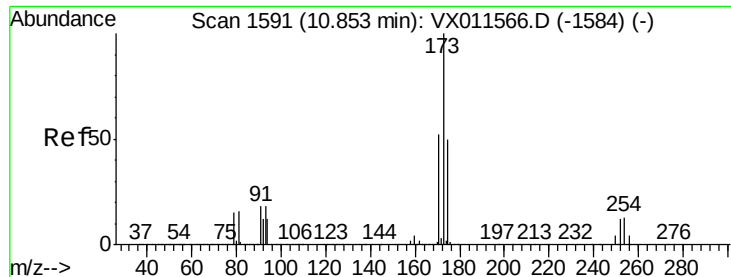
Tgt Ion:106 Resp: 98365
Ion Ratio Lower Upper
106 100
91 215.0 105.5 316.4



#70
Styrene
Concen: 20.057 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion:104 Resp: 165817
Ion Ratio Lower Upper
104 100
78 49.6 38.2 57.4
103 55.7 43.6 65.4





#71

Bromoform

Concen: 17.953 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

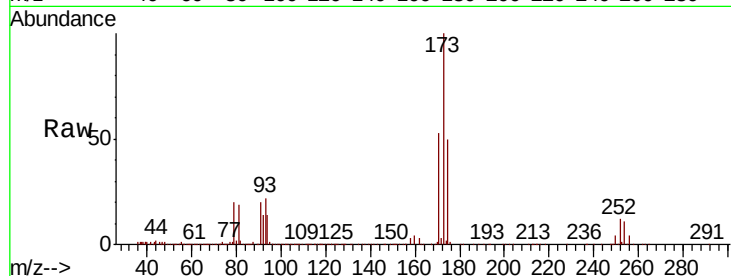
Tgt Ion:173 Resp: 44613

Ion Ratio Lower Upper

173 100

175 49.8 24.9 74.7

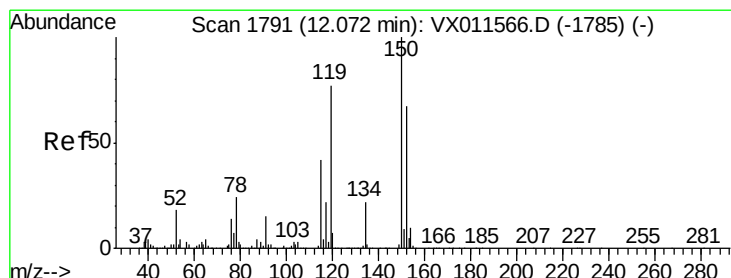
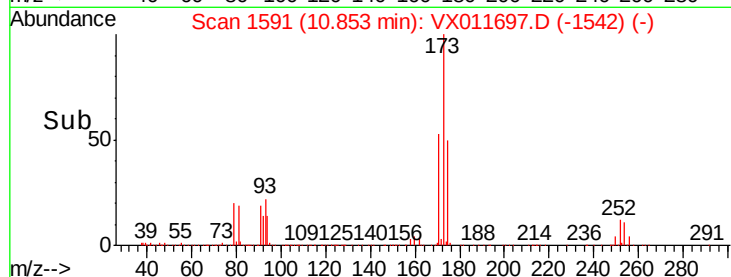
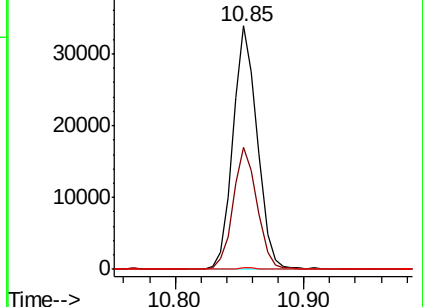
254 0.4 0.1 0.1#



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: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

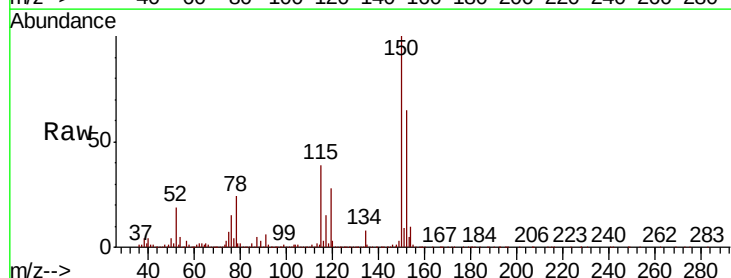
Tgt Ion:152 Resp: 205838

Ion Ratio Lower Upper

152 100

115 64.2 37.3 111.9

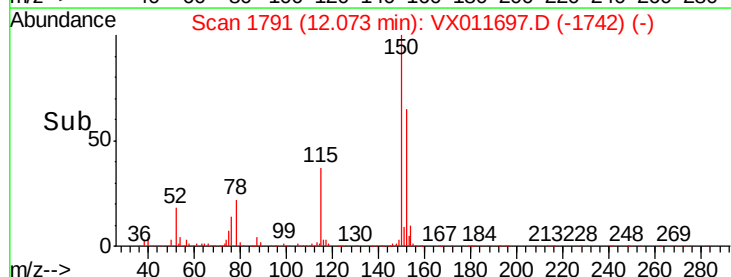
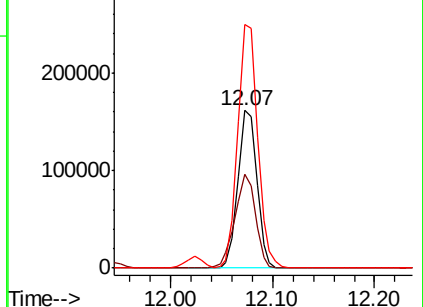
150 162.2 0.0 346.2

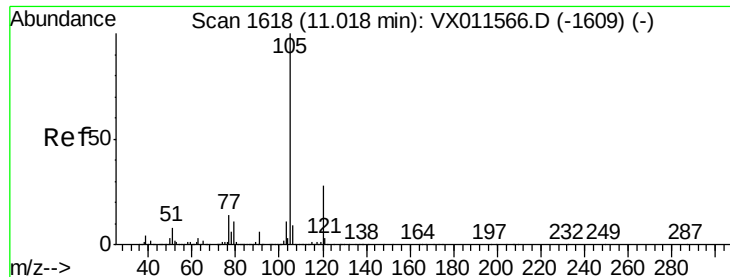


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.098 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

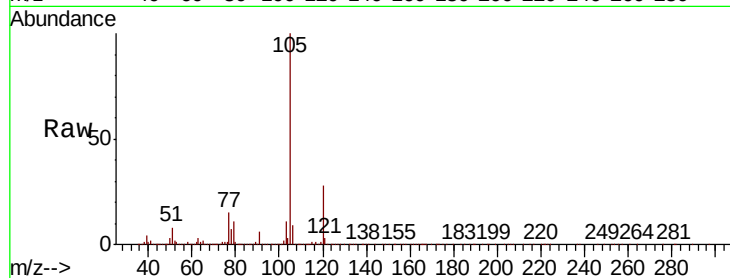
VX0820WBS02

Tgt Ion: 105 Resp: 268439

Ion Ratio Lower Upper

105 100

120 27.2 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

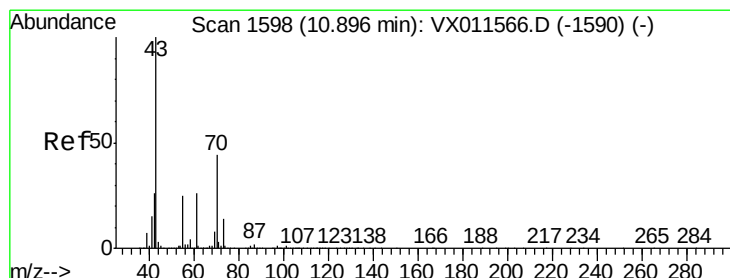
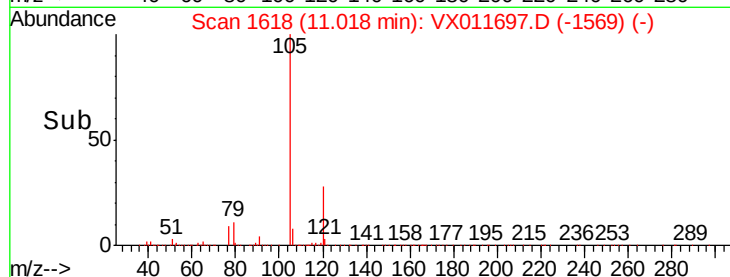
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 18.671 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion: 43 Resp: 105979

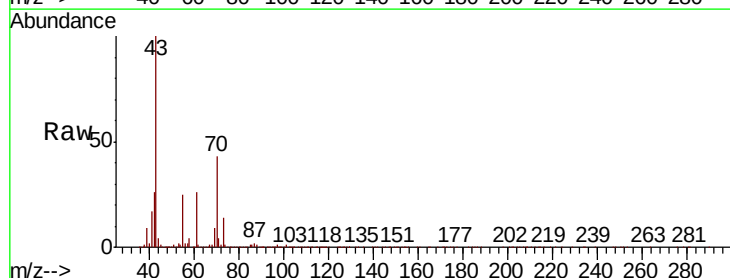
Ion Ratio Lower Upper

43 100

70 42.4 34.7 52.1

55 25.7 19.6 29.4

61 24.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

50000

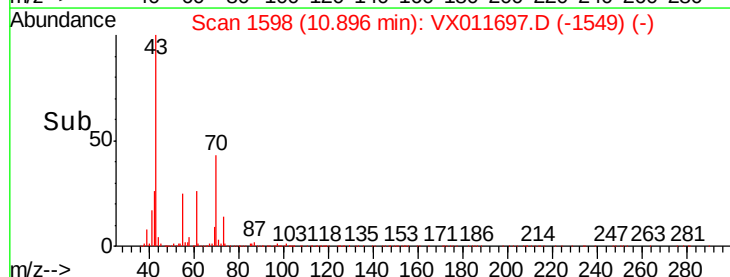
0

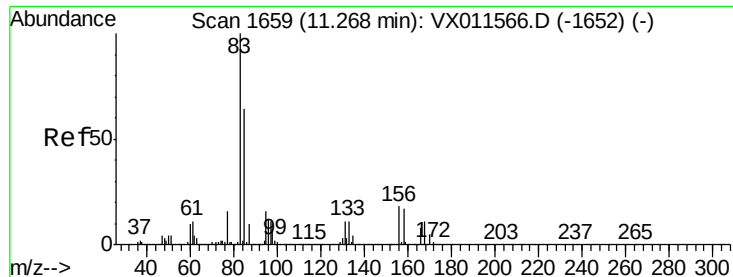
10.90

10.85

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.849 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

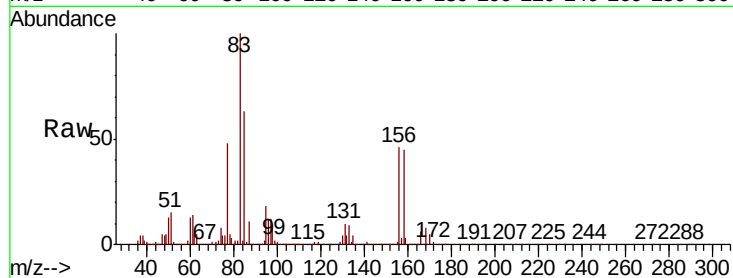
Tgt Ion: 83 Resp: 91200

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.3

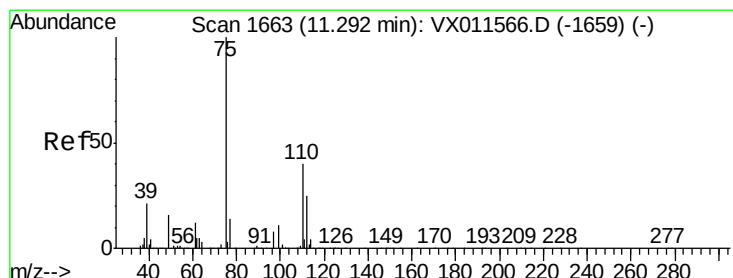
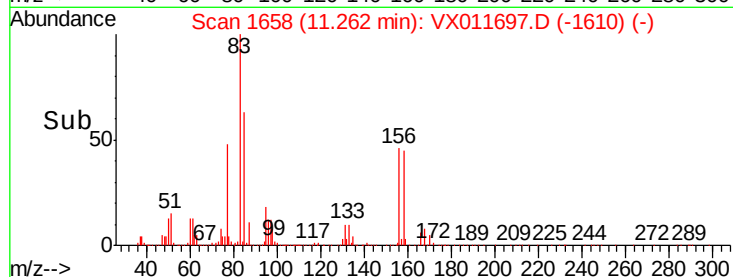
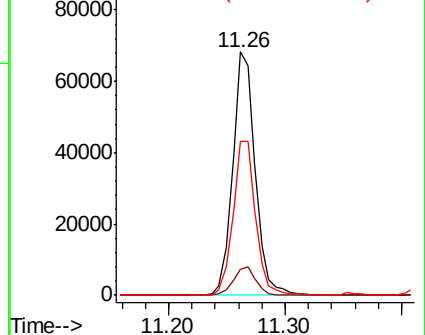
85 64.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.962 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011697.D

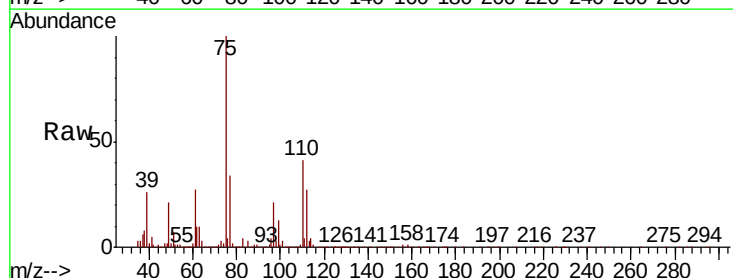
Acq: 20 Aug 2019 20:53

Tgt Ion: 75 Resp: 97430

Ion Ratio Lower Upper

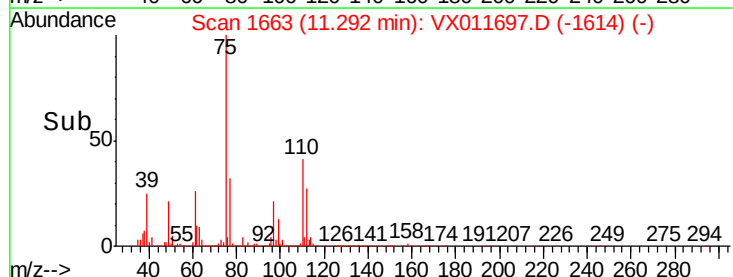
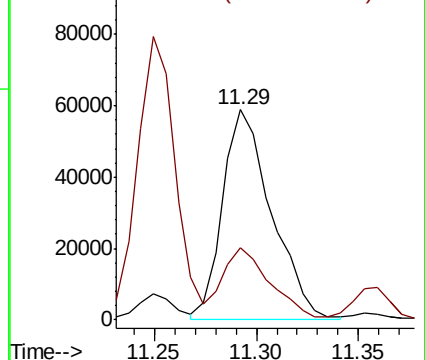
75 100

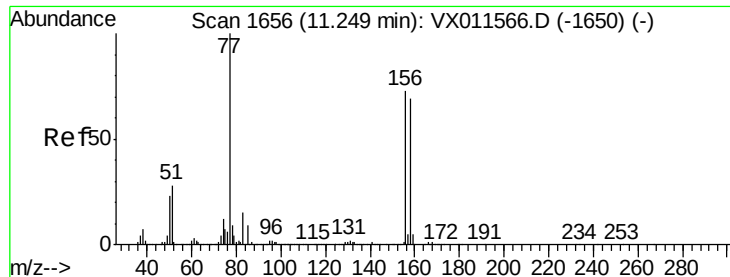
77 33.1 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.772 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

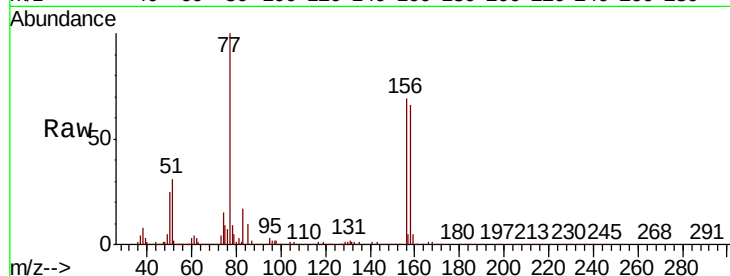
Tgt Ion:156 Resp: 74598

Ion Ratio Lower Upper

156 100

77 136.3 64.6 193.9

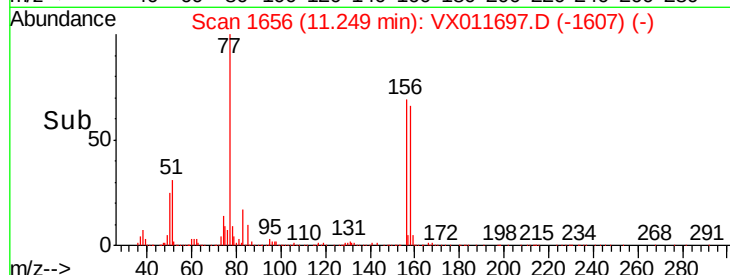
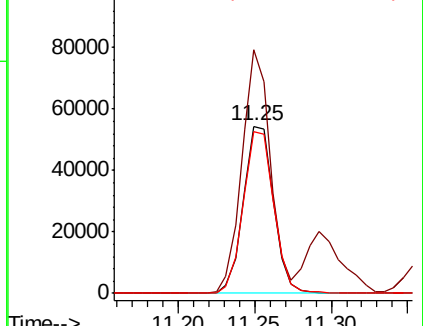
158 98.0 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.336 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011697.D

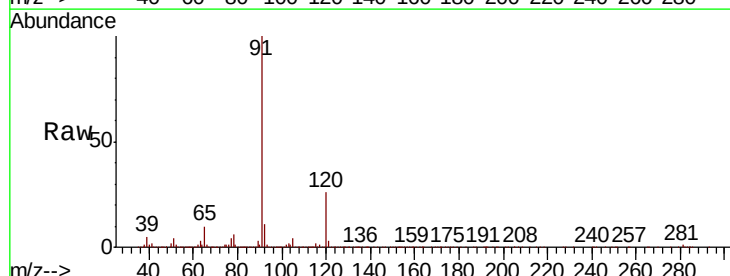
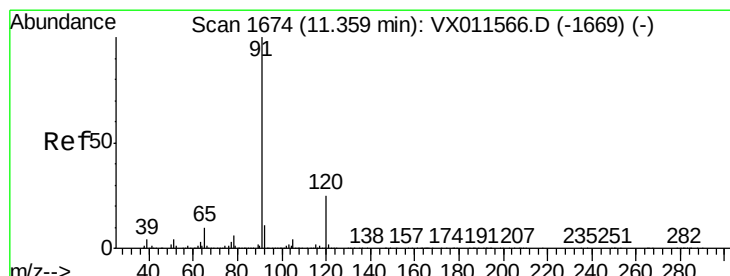
Acq: 20 Aug 2019 20:53

Tgt Ion: 91 Resp: 292888

Ion Ratio Lower Upper

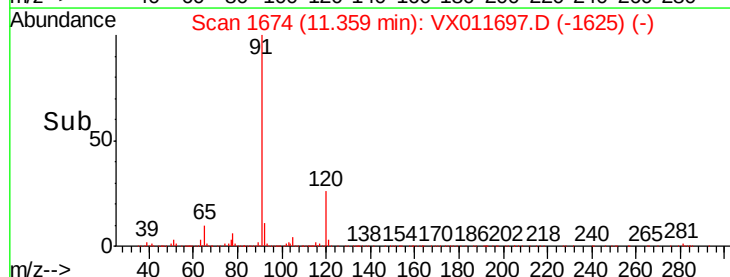
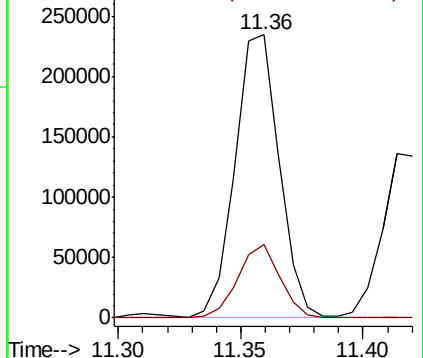
91 100

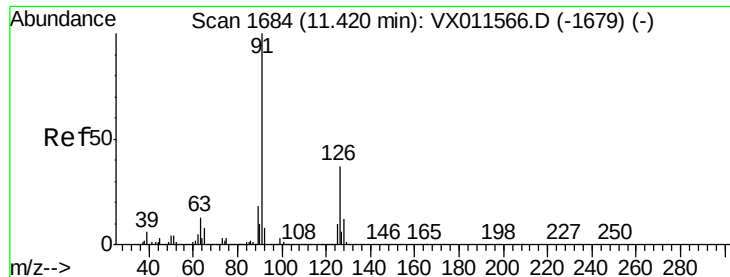
120 25.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.019 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

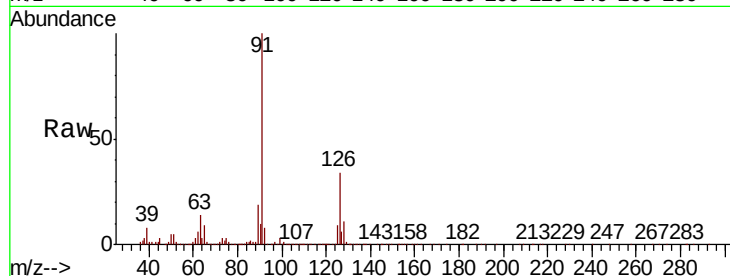
VX0820WBS02

Tgt Ion: 91 Resp: 177043

Ion Ratio Lower Upper

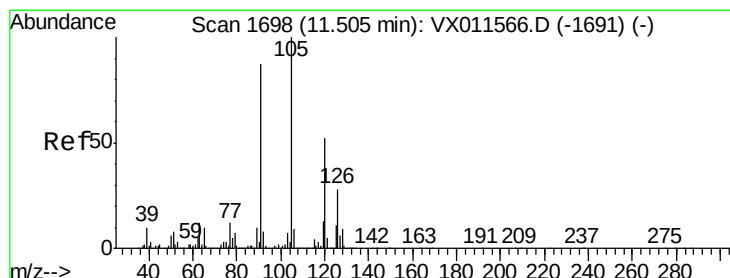
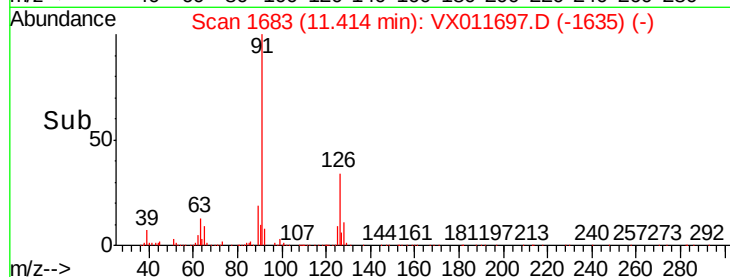
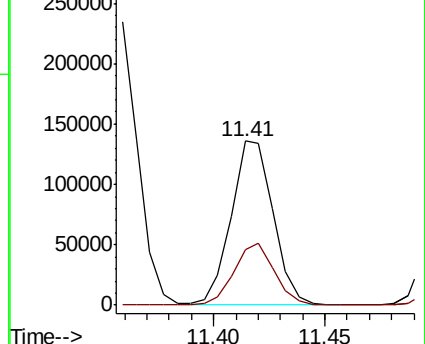
91 100

126 36.3 18.4 55.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.345 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011697.D

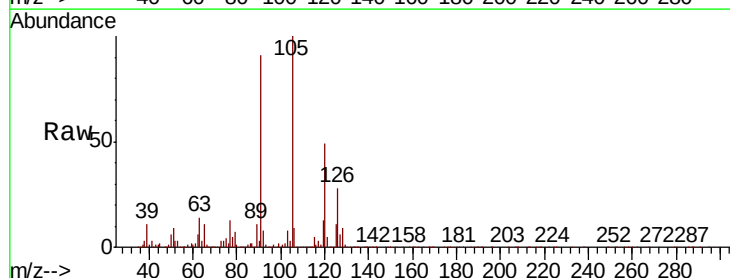
Acq: 20 Aug 2019 20:53

Tgt Ion: 105 Resp: 228266

Ion Ratio Lower Upper

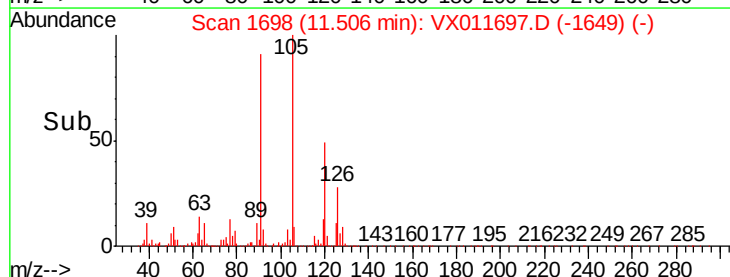
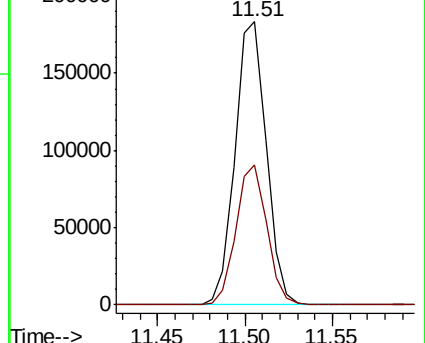
105 100

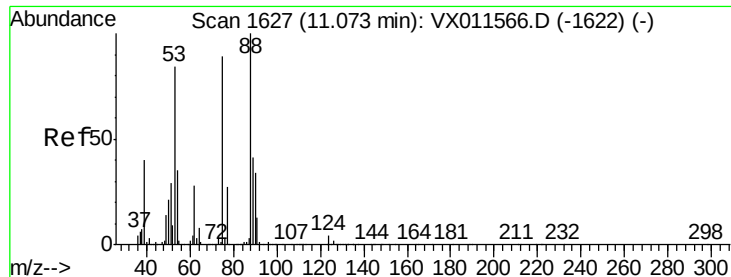
120 48.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.075 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

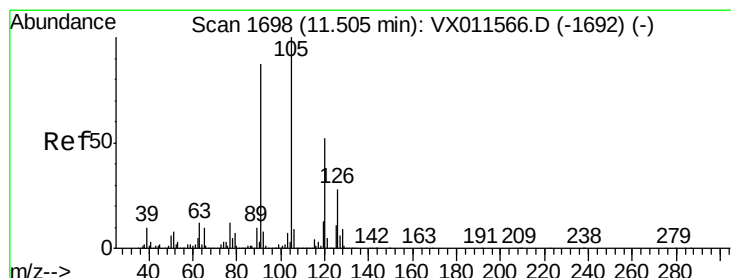
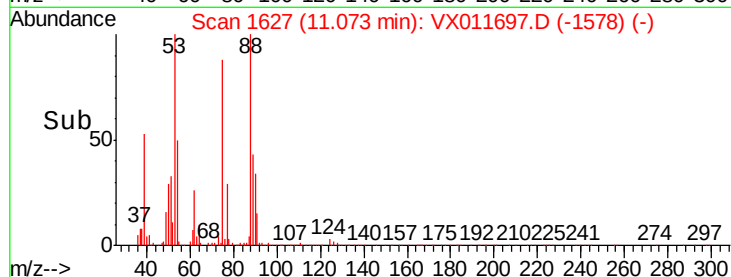
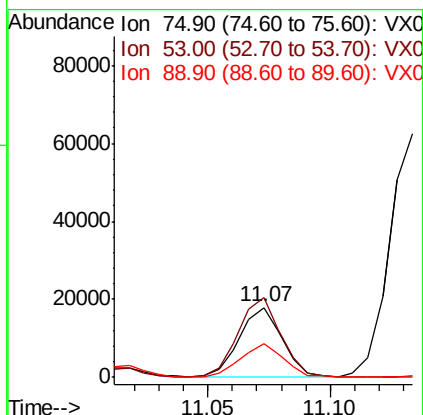
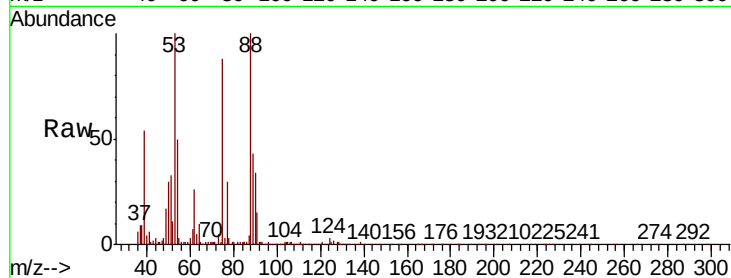
Tgt Ion: 75 Resp: 21509

Ion Ratio Lower Upper

75 100

53 114.3 77.4 116.0

89 49.7 37.3 55.9



#82

4-Chlorotoluene

Concen: 20.180 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011697.D

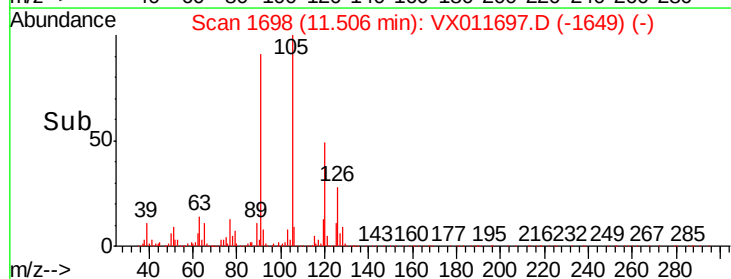
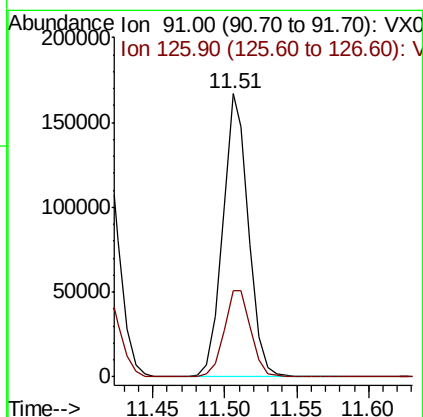
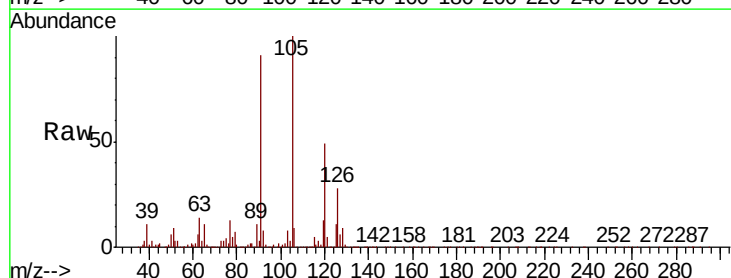
Acq: 20 Aug 2019 20:53

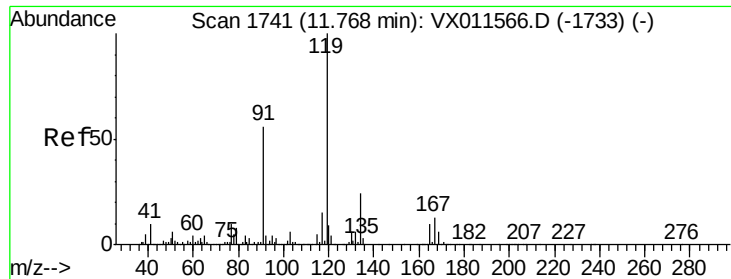
Tgt Ion: 91 Resp: 207047

Ion Ratio Lower Upper

91 100

126 31.8 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.085 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

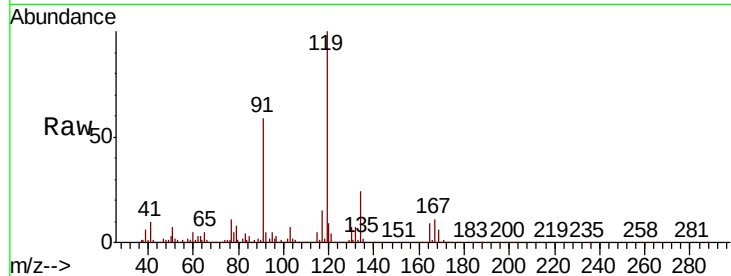
Tgt Ion:119 Resp: 229517

Ion Ratio Lower Upper

119 100

91 57.8 27.1 81.3

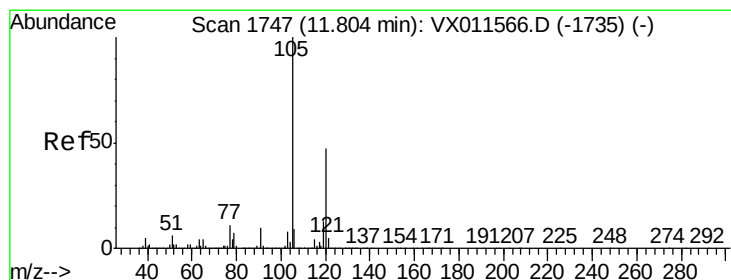
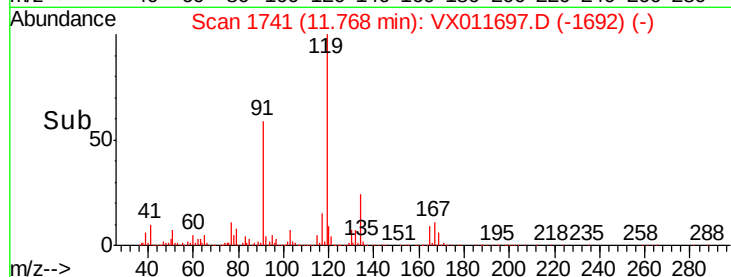
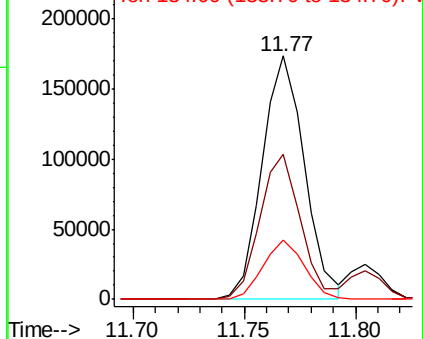
134 23.8 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.780 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011697.D

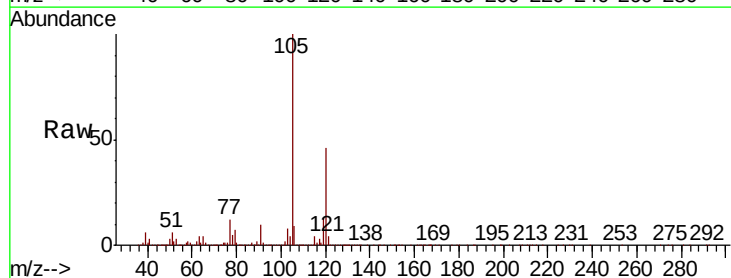
Acq: 20 Aug 2019 20:53

Tgt Ion:105 Resp: 234068

Ion Ratio Lower Upper

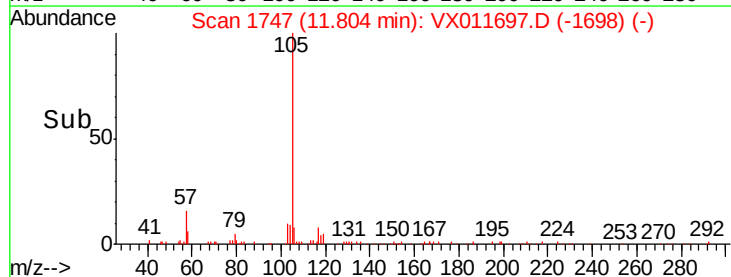
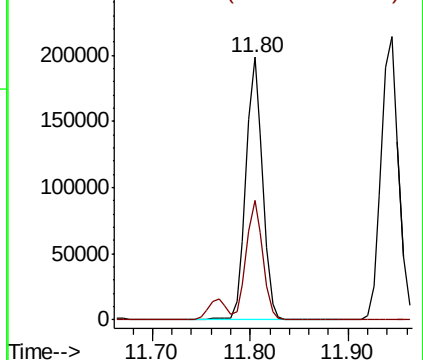
105 100

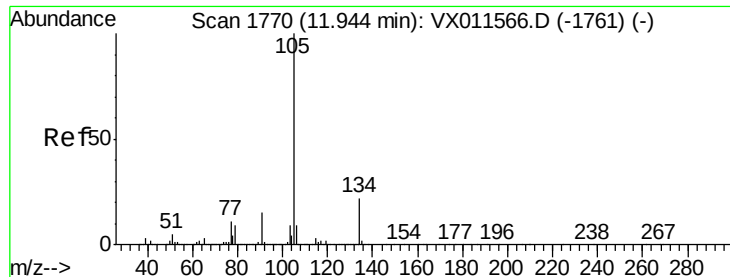
120 45.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.529 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

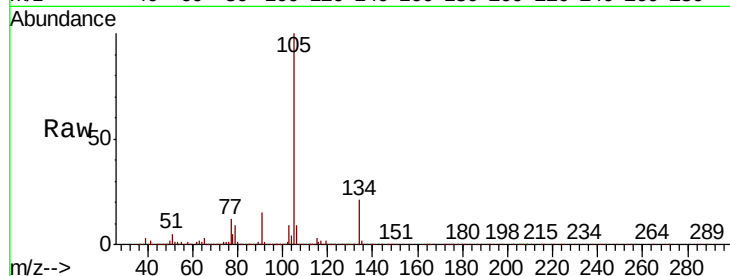
VX0820WBS02

Tgt Ion:105 Resp: 264674

Ion Ratio Lower Upper

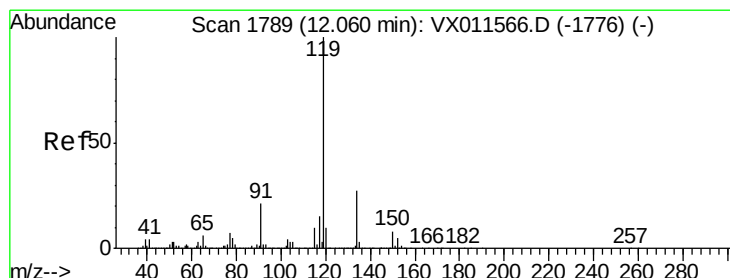
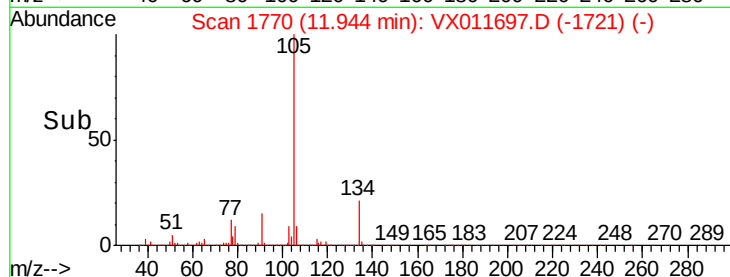
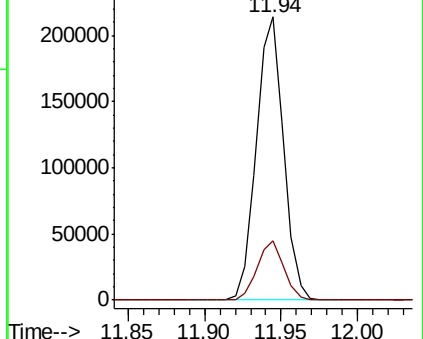
105 100

134 20.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.705 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

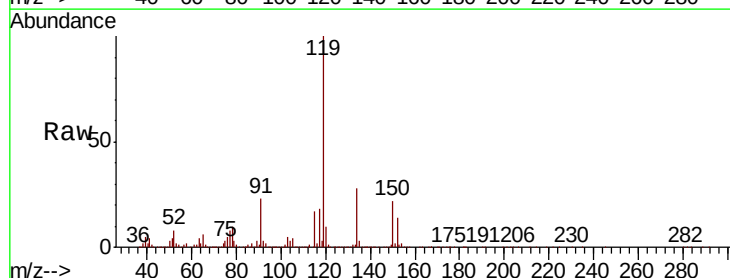
Tgt Ion:119 Resp: 251137

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

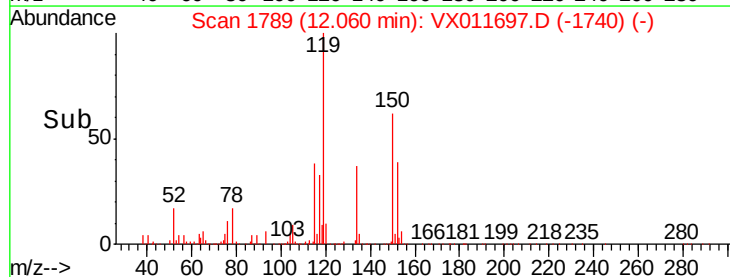
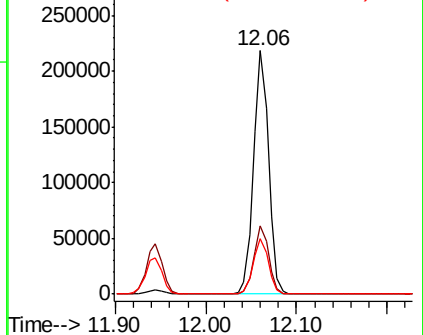
91 23.0 10.9 32.9

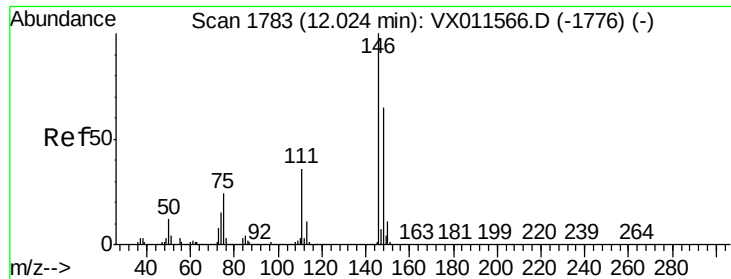


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

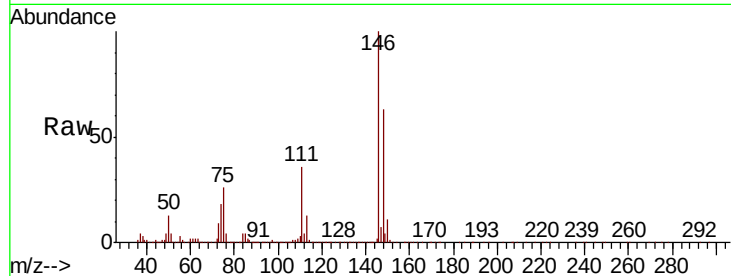




#87
 1,3-Dichlorobenzene
 Concen: 19.558 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.4
148	64.9	32.0	96.0

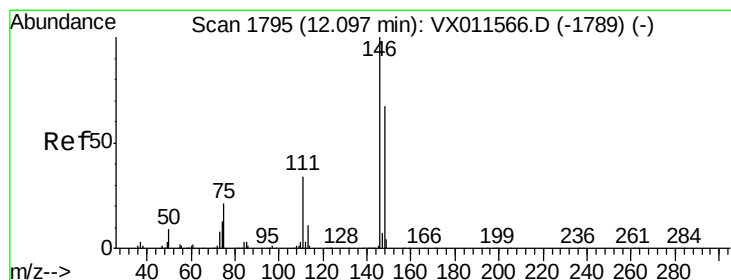
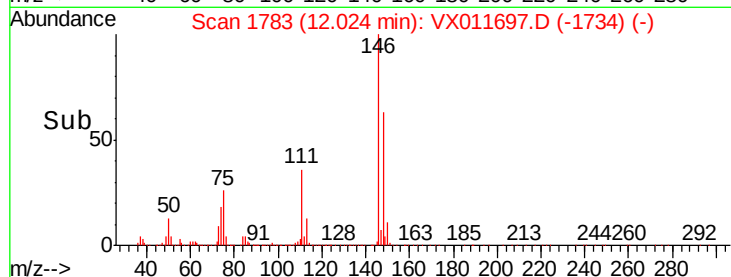
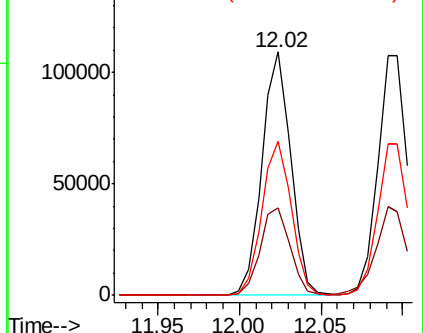


Abundance

Ion 145.90 (145.60 to 146.60): V

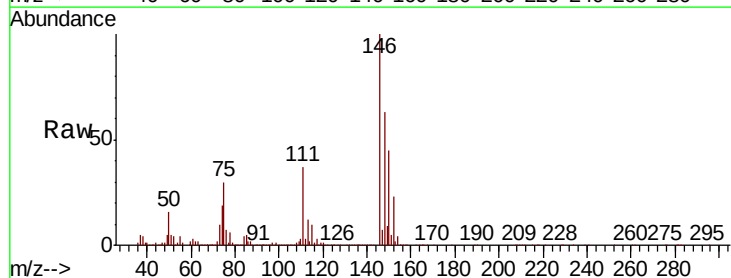
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	17.9	53.7
148	64.6	32.5	97.5

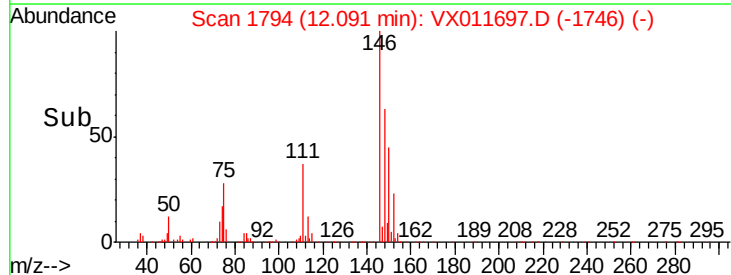
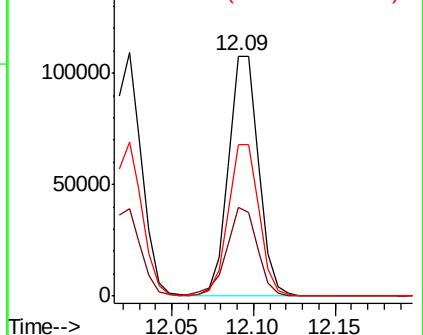


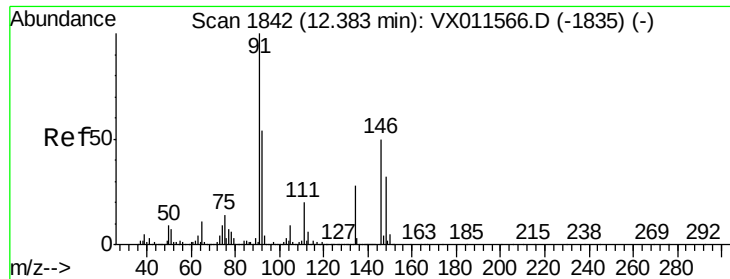
Abundance

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

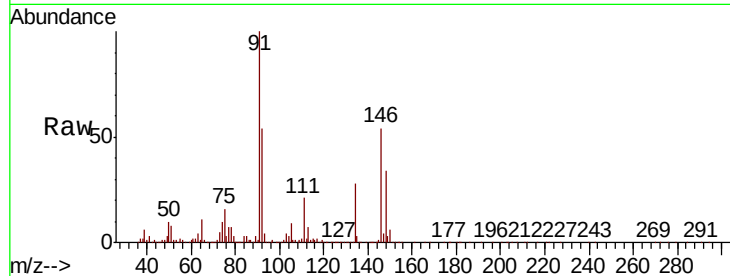




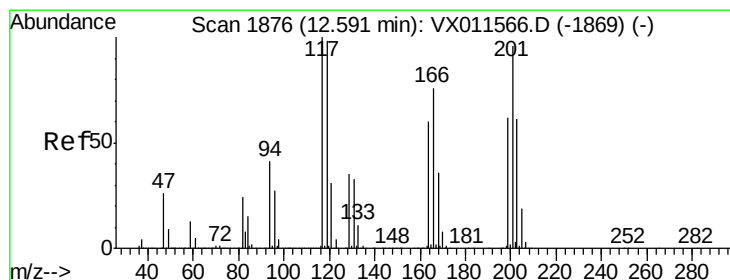
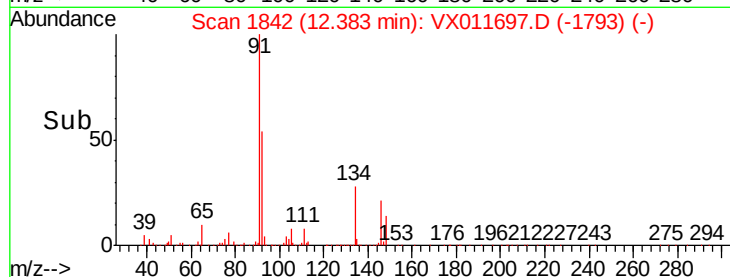
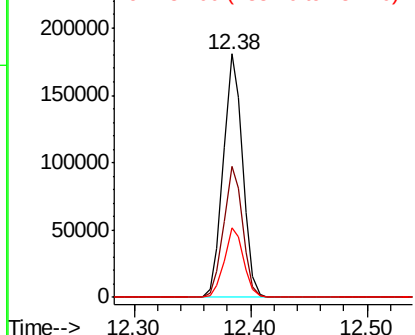
#89
n-Butylbenzene
Concen: 20.800 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tgt Ion: 91 Resp: 207409
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.3
134 28.6 14.6 44.0

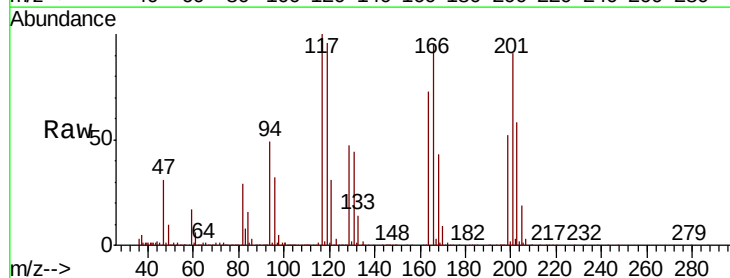


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

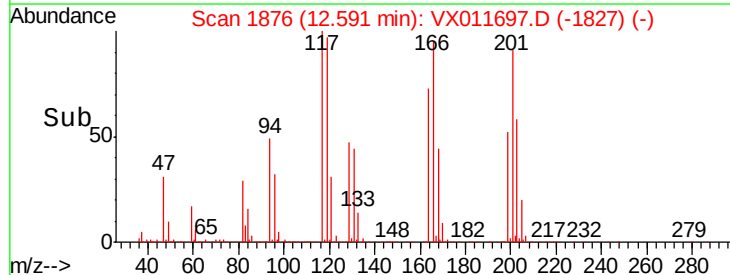
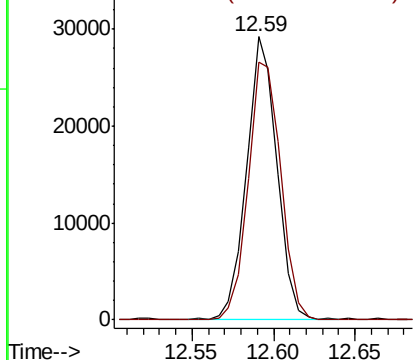


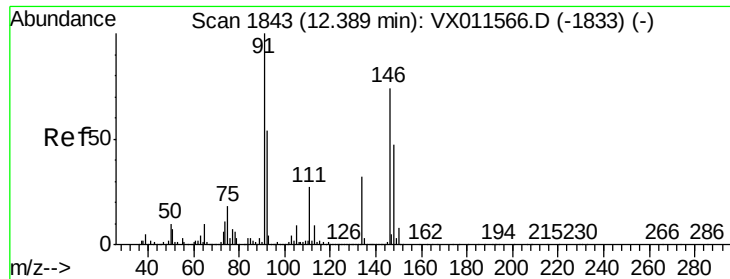
#90
Hexachloroethane
Concen: 19.604 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 117 Resp: 37549
Ion Ratio Lower Upper
117 100
201 98.9 51.9 155.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

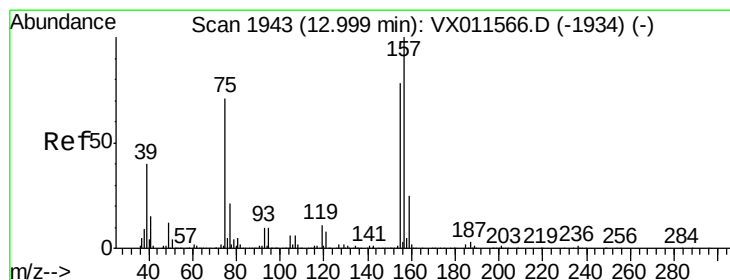
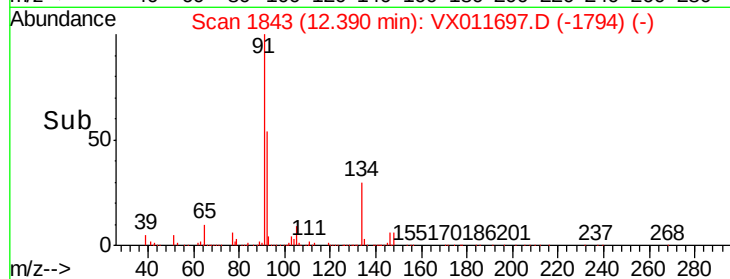
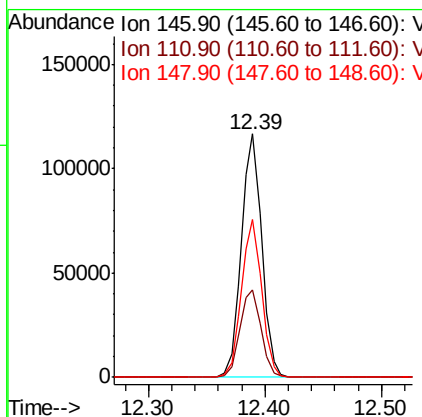
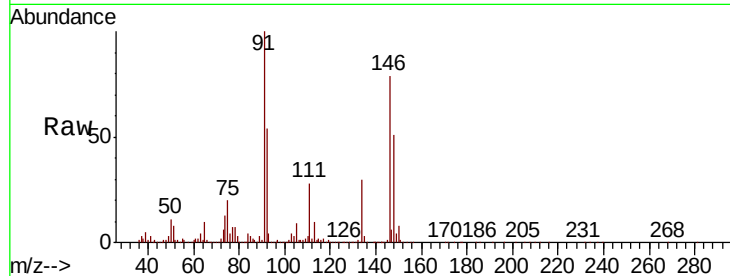




#91
 1,2-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

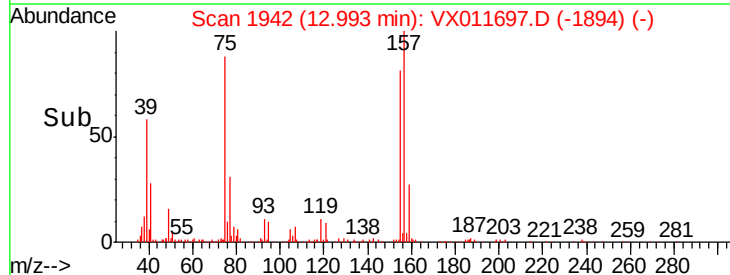
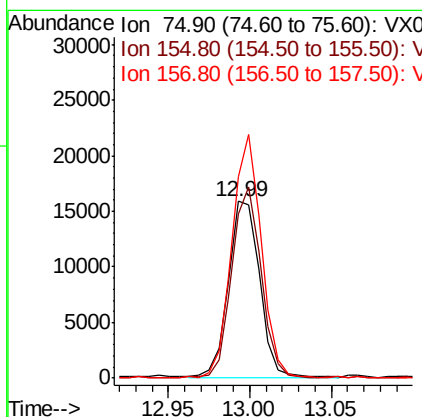
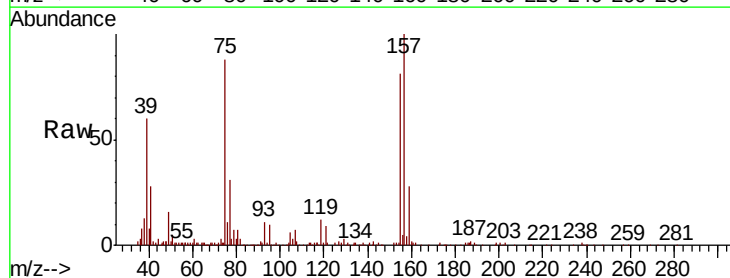
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

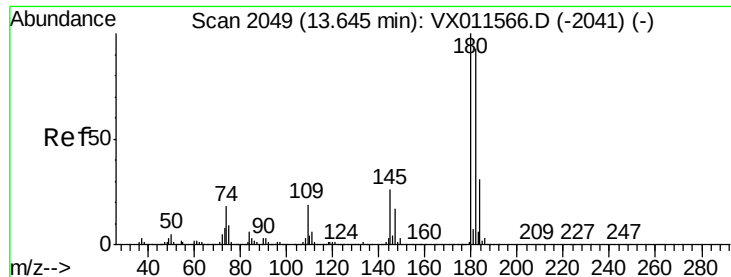
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.7
148	64.4	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.049 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.5	53.0	159.0
157	130.5	68.3	205.1

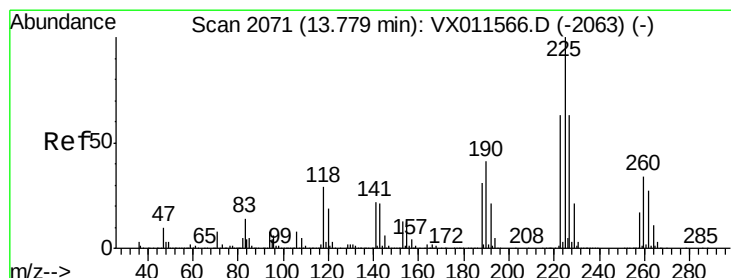
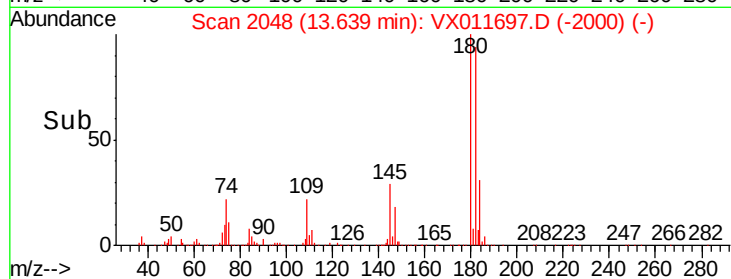
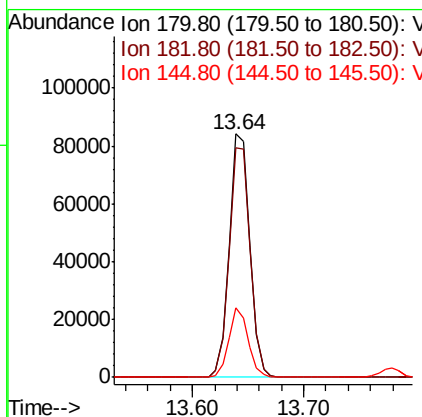
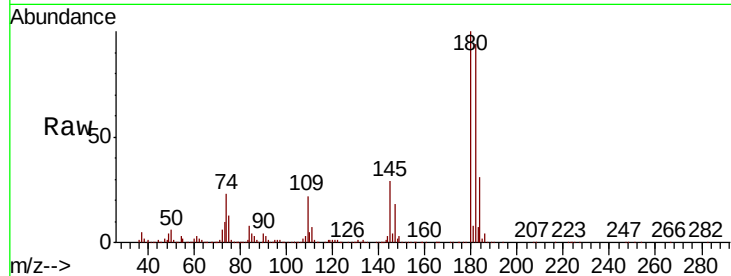




#93
 1,2,4-Trichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

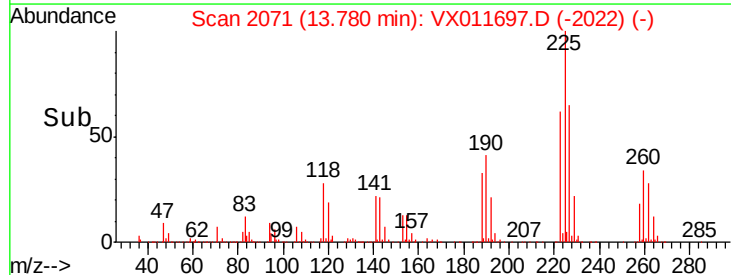
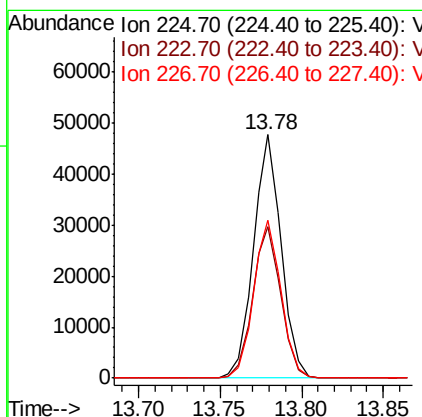
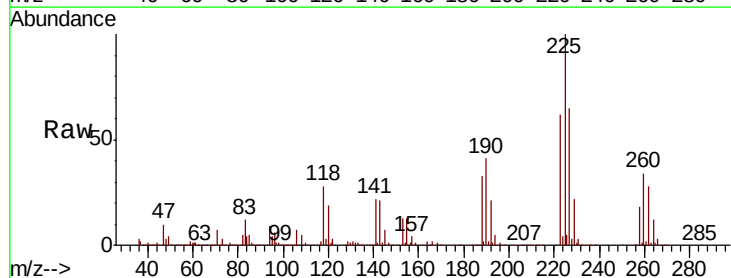
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

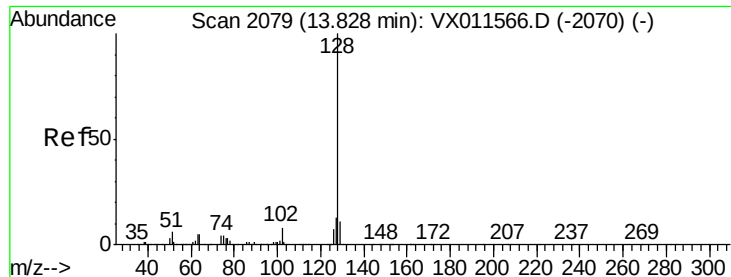
Tgt Ion:180 Resp: 107361
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.3 142.0
 145 27.0 13.6 40.8



#94
 Hexachlorobutadiene
 Concen: 20.191 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion:225 Resp: 56168
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 64.2 31.2 93.6

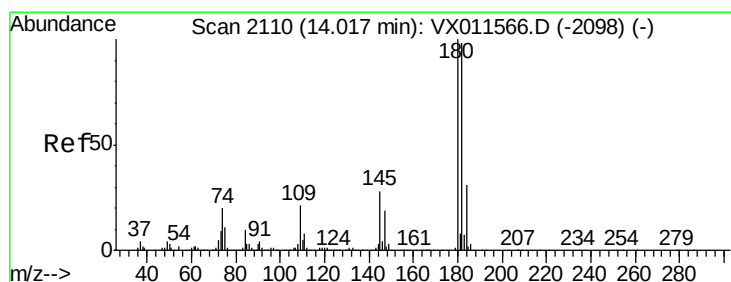
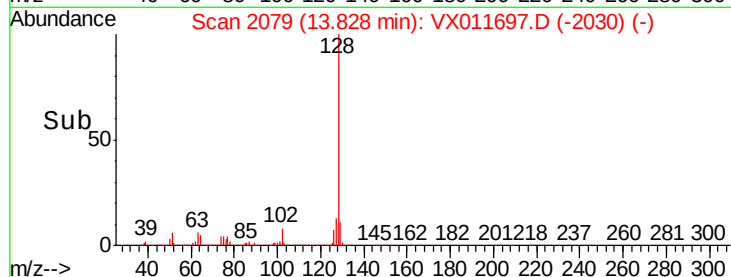
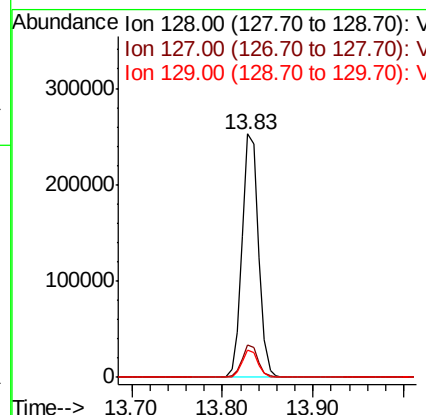
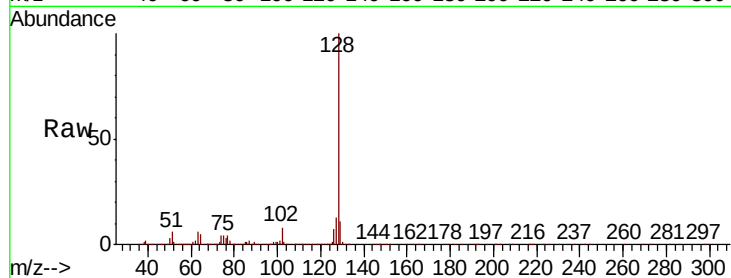




#95
Naphthalene
Concen: 22.213 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tgt Ion:128 Resp: 320814
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.581 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion:180 Resp: 111206
Ion Ratio Lower Upper
180 100
182 96.3 48.0 144.0
145 29.3 14.6 43.8

