

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040219\
 Data File : VX008597.D
 Acq On : 02 Apr 2019 17:52
 Operator : JC/SP
 Sample : VX0402WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Quant Time: Apr 03 04:08:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	138038	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
35) Dibromofluoromethane	5.49	113	100976	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.71	98	407684	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.13	95	150291	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31036	13.212	ug/l	100
3) Chloromethane	1.32	50	44866	14.680	ug/l	100
4) Vinyl Chloride	1.40	62	43043	13.124	ug/l	99
5) Bromomethane	1.64	94	20445	13.255	ug/l	100
6) Chloroethane	1.72	64	28146	14.486	ug/l	99
7) Trichlorofluoromethane	1.93	101	51273	13.803	ug/l	98
8) Diethyl Ether	2.18	74	24453	13.910	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34395	15.321	ug/l	99
10) Methyl Iodide	2.51	142	24731	14.516	ug/l	100
11) Tert butyl alcohol	3.04	59	55291	82.603	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32891	14.187	ug/l	93
13) Acrolein	2.29	56	43985	90.488	ug/l	99
14) Allyl chloride	2.73	41	78508	15.370	ug/l	99
15) Acrylonitrile	3.14	53	139448	79.449	ug/l	100
16) Acetone	2.44	43	133620	84.622	ug/l	99
17) Carbon Disulfide	2.57	76	92510	13.628	ug/l	99
18) Methyl Acetate	2.77	43	61975	16.342	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	130458	15.615	ug/l	99
20) Methylene Chloride	2.85	84	42128	15.911	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36282	15.518	ug/l	96
22) Diisopropyl ether	3.85	45	159087	15.818	ug/l	97
23) Vinyl Acetate	3.81	43	694253	79.122	ug/l	100
24) 1,1-Dichloroethane	3.70	63	77394	15.243	ug/l	99
25) 2-Butanone	4.67	43	206118	81.422	ug/l	99
26) 2,2-Dichloropropane	4.58	77	54645	16.181	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	43276	15.265	ug/l	99
28) Bromochloromethane	5.01	49	40439	16.121	ug/l	99
29) Tetrahydrofuran	5.13	42	131114	78.586	ug/l	99
30) Chloroform	5.21	83	70774	15.445	ug/l	99
31) Cyclohexane	5.57	56	73205	15.117	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	57276	15.638	ug/l	98
36) 1,1-Dichloropropene	5.80	75	53433	15.282	ug/l	99
37) Ethyl Acetate	4.83	43	75571	16.684	ug/l	99
38) Carbon Tetrachloride	5.78	117	46032	15.775	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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 ClientSampleId :
 VX0402WBS02

Quant Time: Apr 03 04:08:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67180	16.077	ug/l	99
40) Benzene	6.14	78	166218	15.879	ug/l	98
41) Methacrylonitrile	5.04	41	42348	16.636	ug/l	98
42) 1,2-Dichloroethane	6.19	62	60055	15.670	ug/l	99
43) Isopropyl Acetate	6.44	43	118713	16.385	ug/l	99
44) Trichloroethene	7.21	130	37835	15.394	ug/l	99
45) 1,2-Dichloropropane	7.51	63	48044	16.148	ug/l	97
46) Dibromomethane	7.66	93	27005	15.543	ug/l	99
47) Bromodichloromethane	7.89	83	53723	16.154	ug/l	96
48) Methyl methacrylate	7.77	41	59925	16.530	ug/l	96
49) 1,4-Dioxane	7.74	88	24652	342.000	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	394086	83.744	ug/l	100
52) Toluene	8.78	92	99626	15.917	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	58943	16.182	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66719	16.108	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	41106	16.134	ug/l	99
56) Ethyl methacrylate	9.18	69	74243	16.143	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73345	16.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	202730	85.277	ug/l	100
59) 2-Hexanone	9.49	43	312932	85.821	ug/l	98
60) Dibromochloromethane	9.58	129	38112	15.729	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41293	15.881	ug/l	97
64) Tetrachloroethene	9.34	164	32573	16.562	ug/l	97
65) Chlorobenzene	10.13	112	102656	16.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35840	16.443	ug/l	99
67) Ethyl Benzene	10.25	91	191998	16.103	ug/l	99
68) m/p-Xylenes	10.36	106	140116	32.303	ug/l	99
69) o-Xylene	10.69	106	68318	16.230	ug/l	99
70) Styrene	10.71	104	120238	16.537	ug/l	98
71) Bromoform	10.85	173	26973	15.670	ug/l #	100
73) Isopropylbenzene	11.02	105	183688	16.298	ug/l	100
74) N-amyl acetate	10.90	43	105479	16.169	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	69845	15.972	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	77545	18.828	ug/l	83
77) Bromobenzene	11.26	156	43454	15.886	ug/l	100
78) n-propylbenzene	11.36	91	214515	16.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	127251	15.846	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155127	16.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20488	15.933	ug/l	94
82) 4-Chlorotoluene	11.51	91	146112	15.774	ug/l	100
83) tert-Butylbenzene	11.77	119	147523	16.047	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	156332	16.221	ug/l	99
85) sec-Butylbenzene	11.94	105	181245	16.556	ug/l	99
86) p-Isopropyltoluene	12.06	119	160867	16.653	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	78932	16.151	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	77390	15.690	ug/l	98
89) n-Butylbenzene	12.38	91	148167	16.192	ug/l	99
90) Hexachloroethane	12.59	117	26139	16.242	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	79161	16.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15339	16.087	ug/l	98

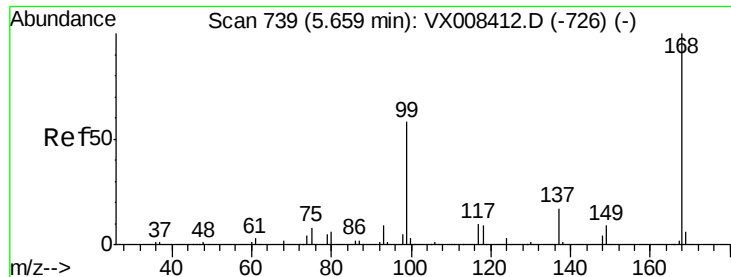
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040219\
Data File : VX008597.D
Acq On : 02 Apr 2019 17:52
Operator : JC/SP
Sample : VX0402WBS02
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Quant Time: Apr 03 04:08:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54787	16.627	ug/l	98
94) Hexachlorobutadiene	13.78	225	26695	17.062	ug/l	99
95) Naphthalene	13.83	128	187966	16.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55791	16.850	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

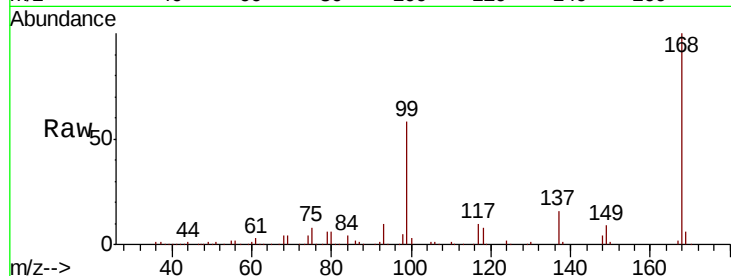
VX0402WBS02

Tot Ion:168 Resp: 199282

Ion Ratio Lower Upper

168 100

99 58.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

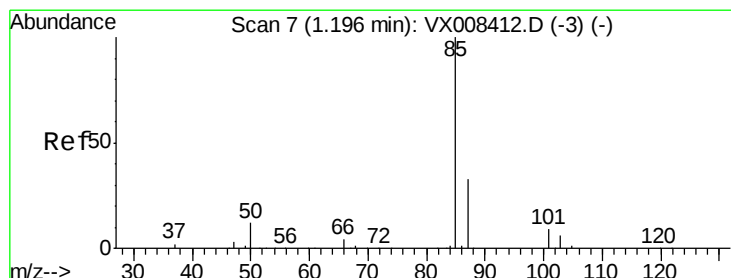
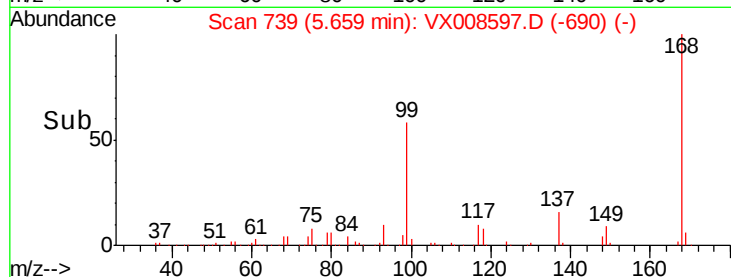
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 13.212 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008597.D

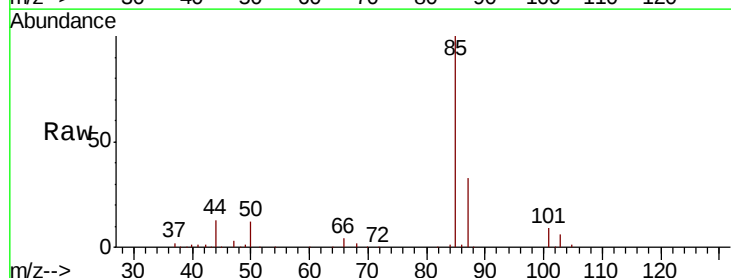
Acq: 02 Apr 2019 17:52

Tgt Ion: 85 Resp: 31036

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

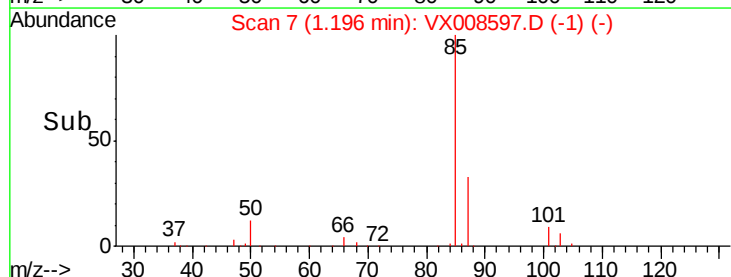
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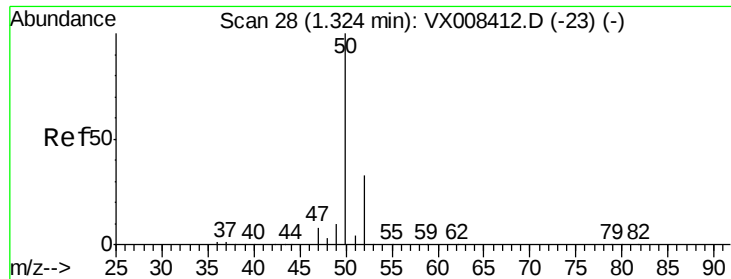
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 14.680 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

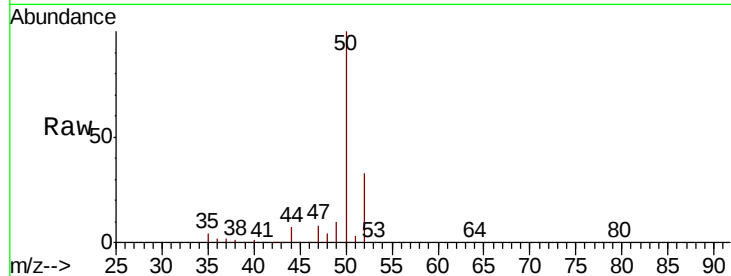
VX0402WBS02

Tot Ion: 50 Resp: 44866

Ion Ratio Lower Upper

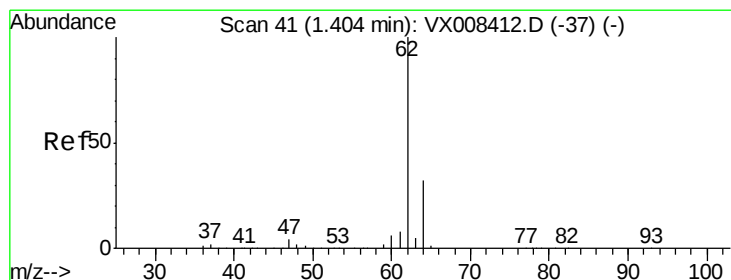
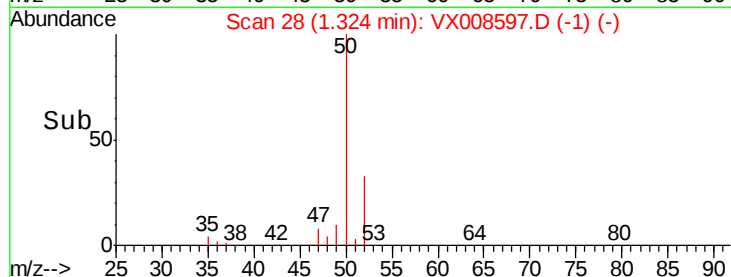
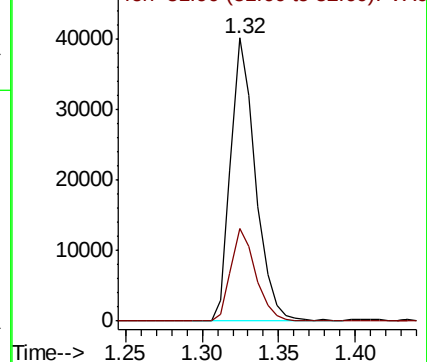
50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 13.124 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008597.D

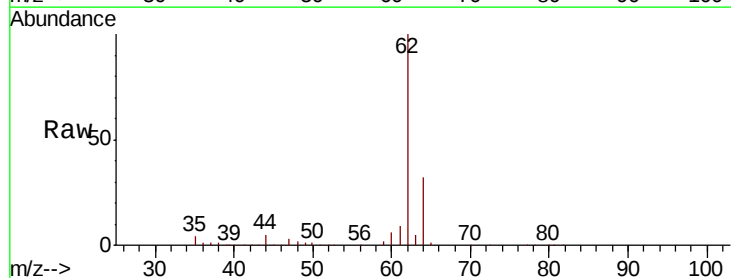
Acq: 02 Apr 2019 17:52

Tgt Ion: 62 Resp: 43043

Ion Ratio Lower Upper

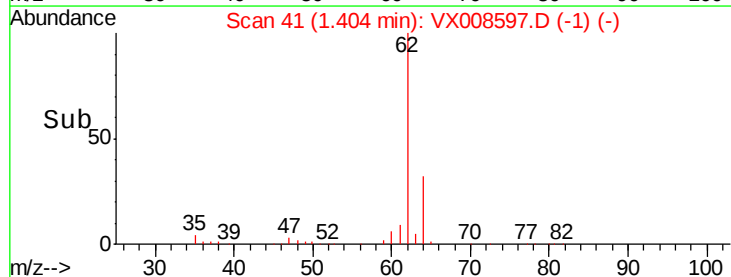
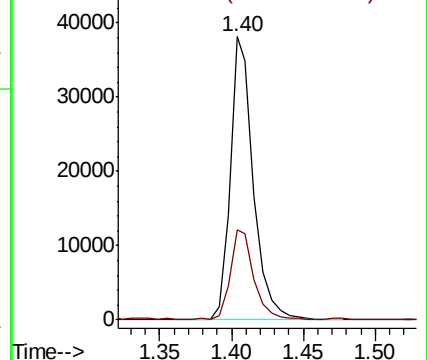
62 100

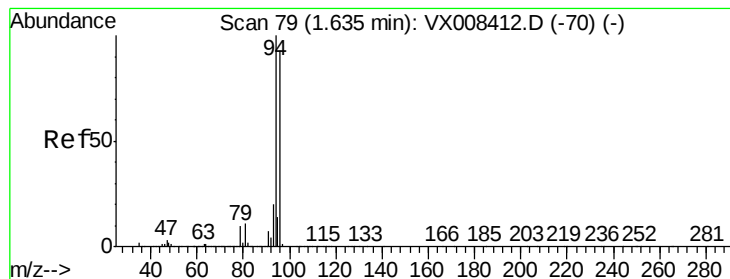
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 13.255 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

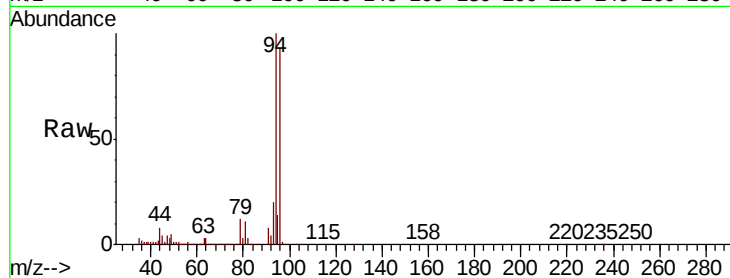
VX0402WBS02

Tot Ion: 94 Resp: 20445

Ion Ratio Lower Upper

94 100

96 93.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

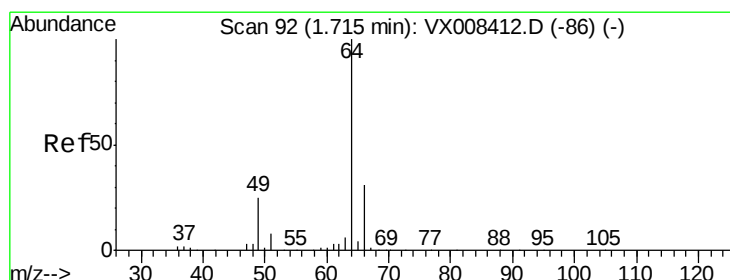
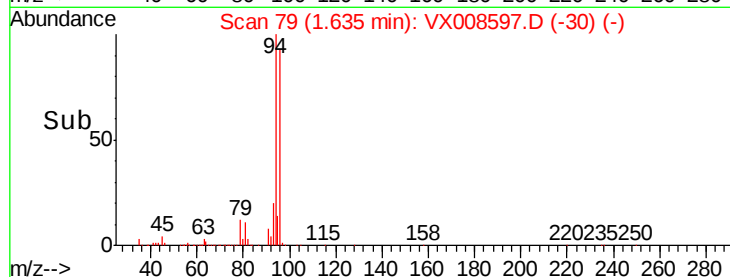
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 14.486 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008597.D

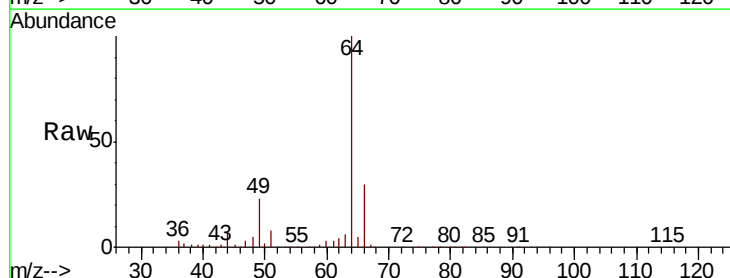
Acq: 02 Apr 2019 17:52

Tgt Ion: 64 Resp: 28146

Ion Ratio Lower Upper

64 100

66 30.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

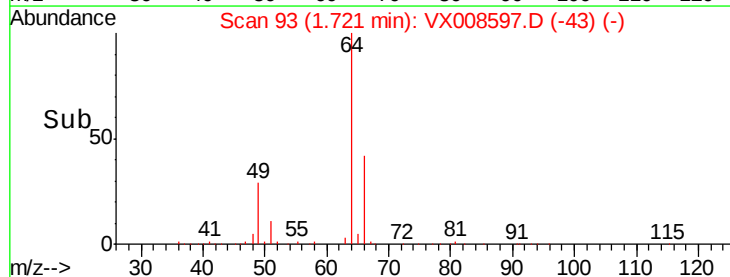
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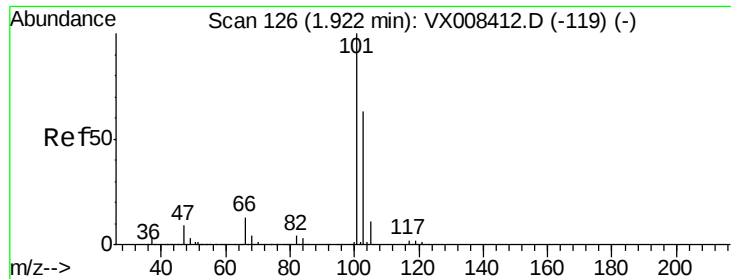
5000

0

Time-->

1.65 1.70 1.75 1.80



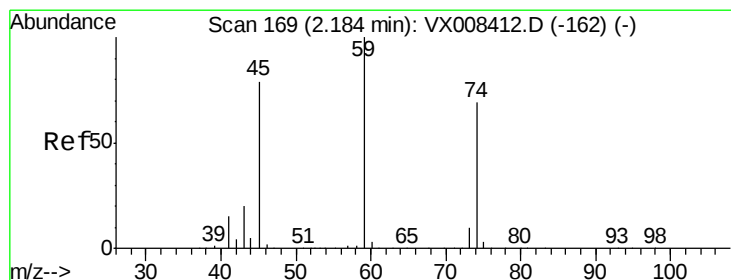
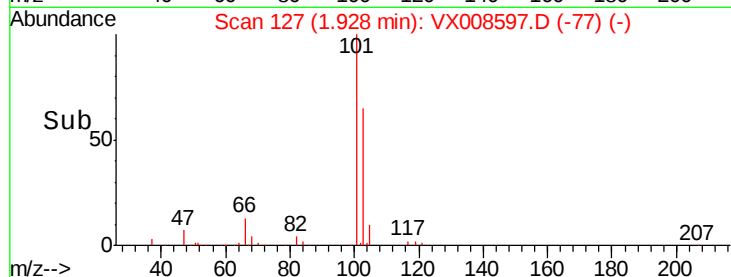
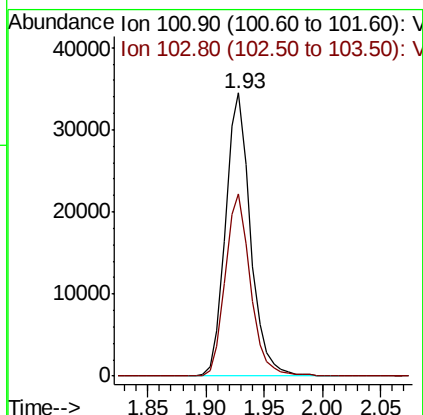
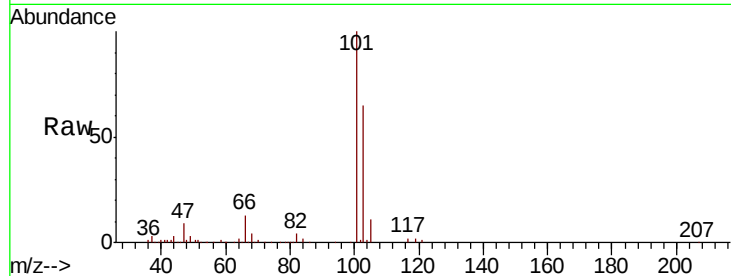


#7

Trichlorofluoromethane
 Concen: 13.803 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

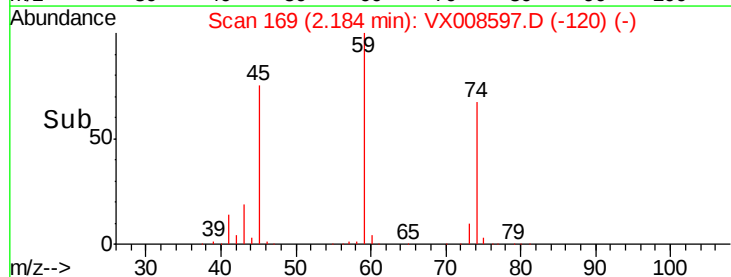
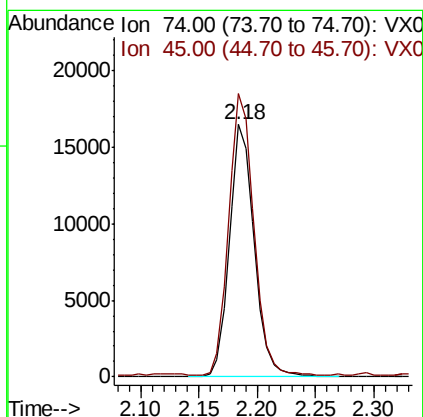
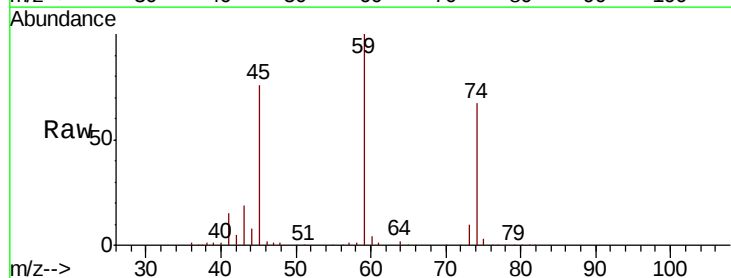
Tot Ion:101 Resp: 51273
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.4

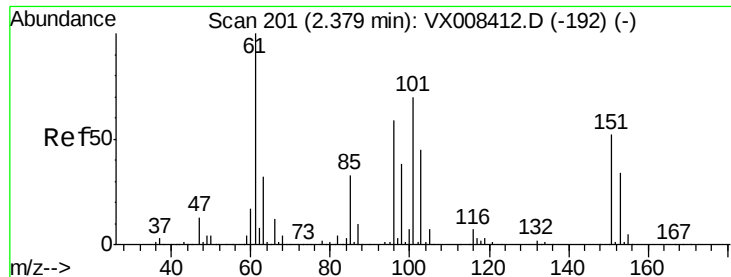


#8

Diethyl Ether
 Concen: 13.910 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 74 Resp: 24453
 Ion Ratio Lower Upper
 74 100
 45 113.5 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.321 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

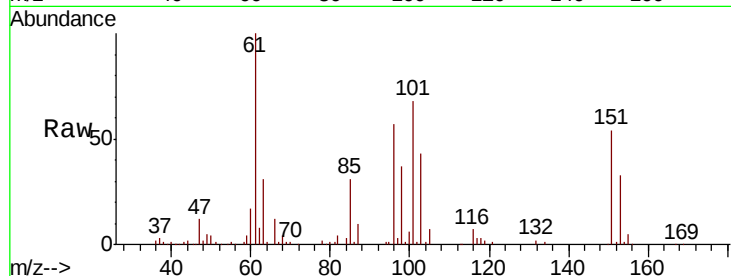
Tot Ion:101 Resp: 34395

Ion Ratio Lower Upper

101 100

85 44.7 36.0 54.0

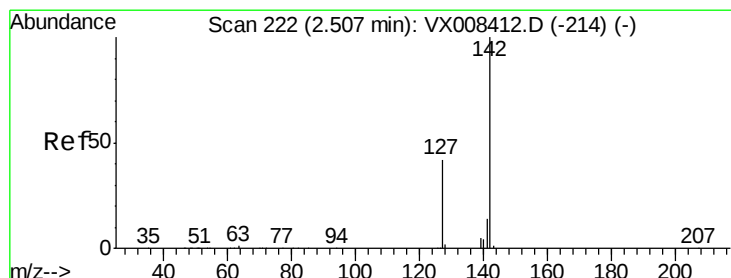
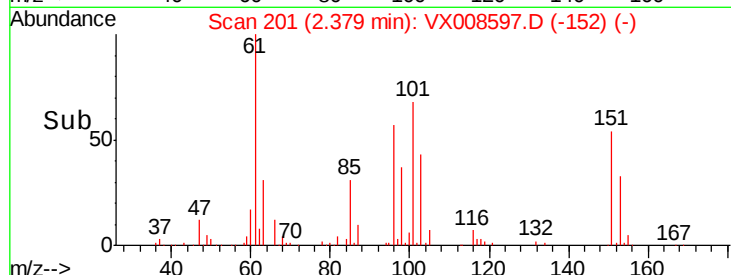
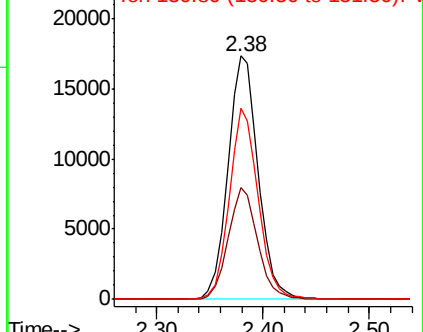
151 75.1 59.2 88.8



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: 14.516 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

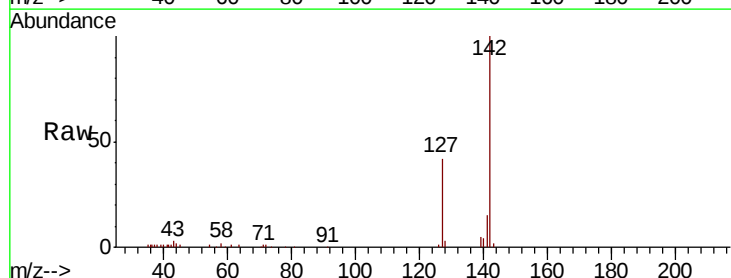
Tgt Ion:142 Resp: 24731

Ion Ratio Lower Upper

142 100

127 42.0 33.6 50.4

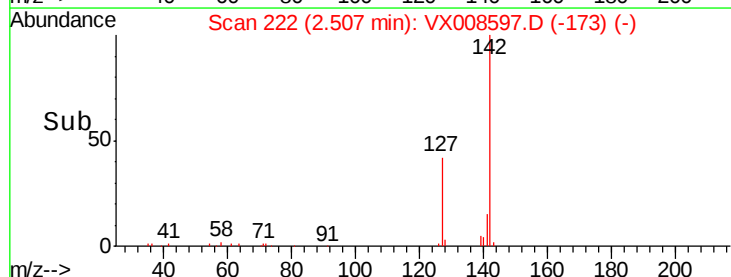
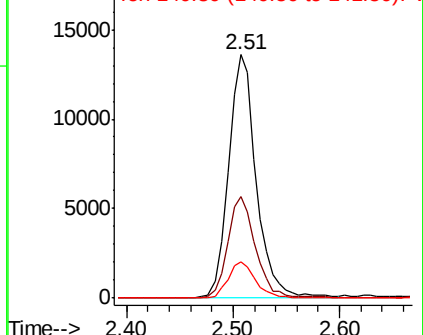
141 14.6 11.3 16.9

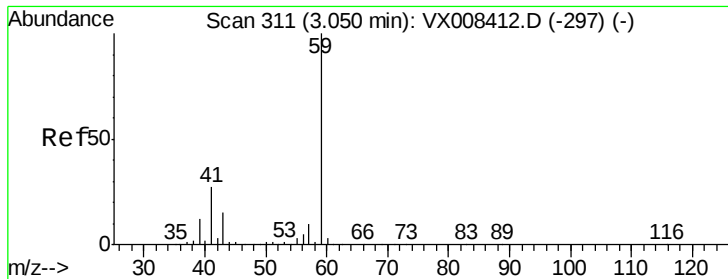


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

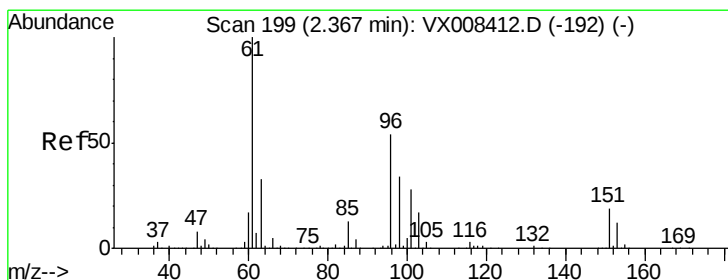
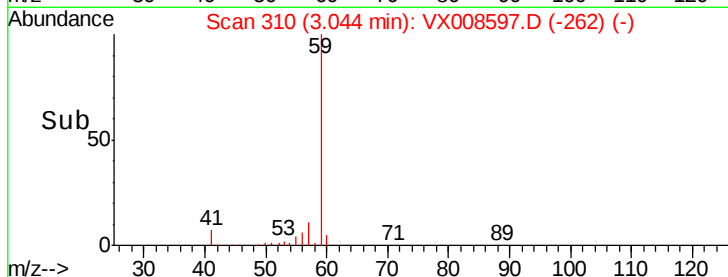
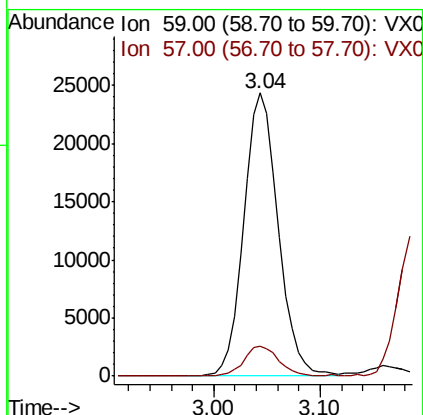
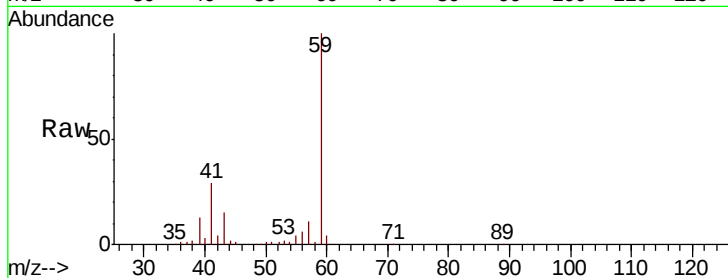




#11
Tert butyl alcohol
Concen: 82.603 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

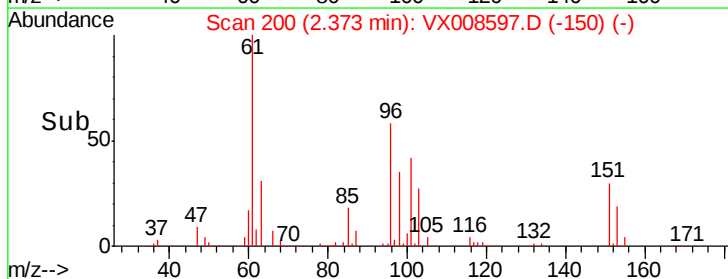
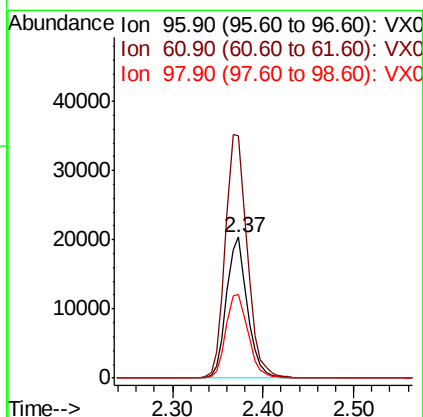
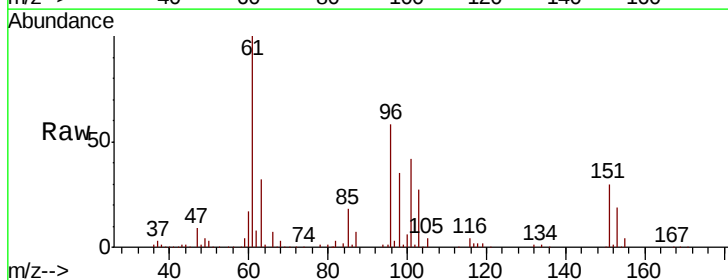
Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

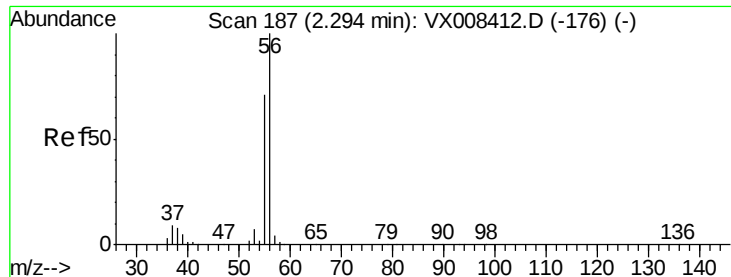
Tot Ion: 59 Resp: 55291
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4



#12
1,1-Dichloroethene
Concen: 14.187 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 96 Resp: 32891
Ion Ratio Lower Upper
96 100
61 172.5 146.9 220.3
98 59.6 50.1 75.1





#13

Acrolein

Concen: 90.488 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

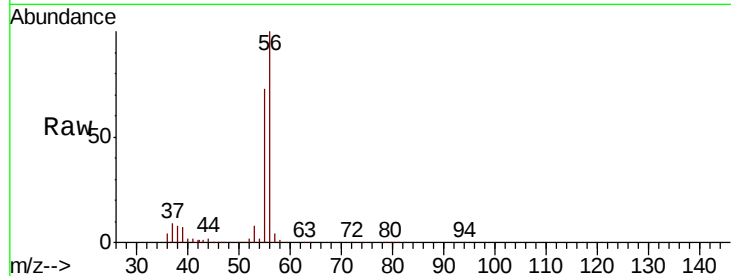
VX0402WBS02

Tot Ion: 56 Resp: 43985

Ion Ratio Lower Upper

56 100

55 71.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

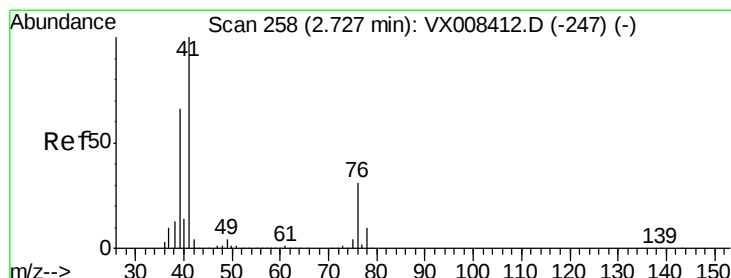
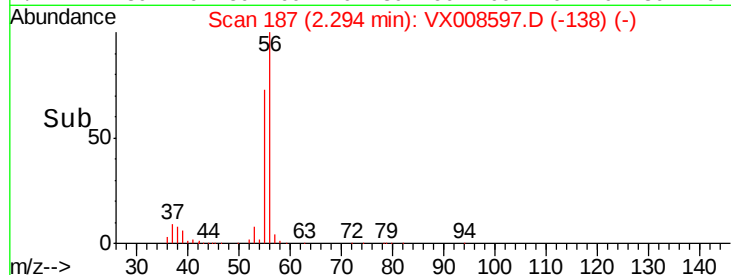
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 15.370 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

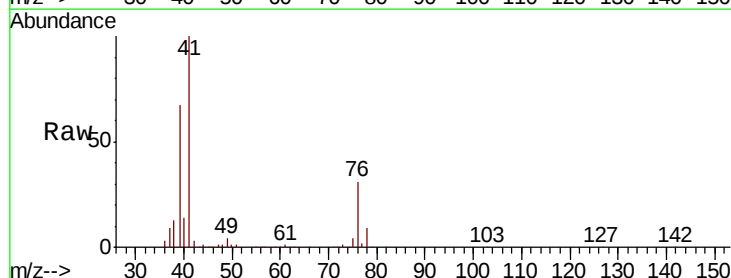
Tgt Ion: 41 Resp: 78508

Ion Ratio Lower Upper

41 100

39 61.0 49.6 74.4

76 27.8 22.6 34.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

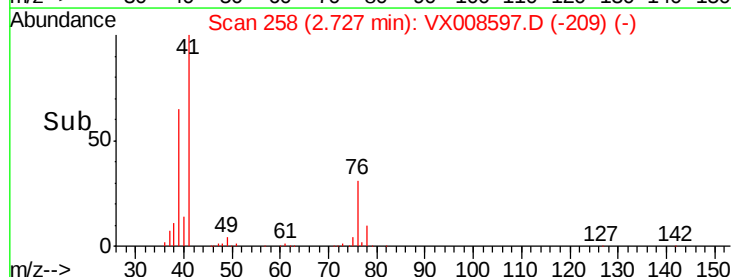
30000

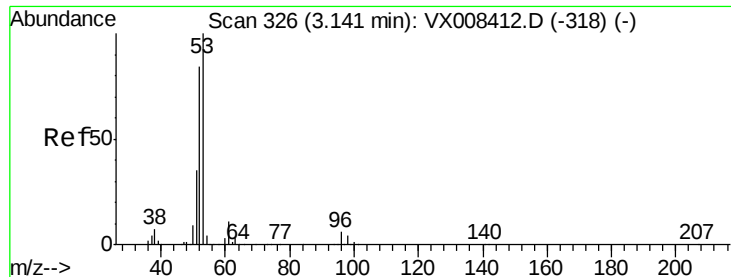
20000

10000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 79.449 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

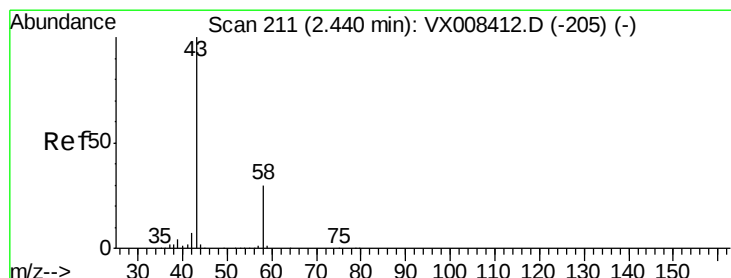
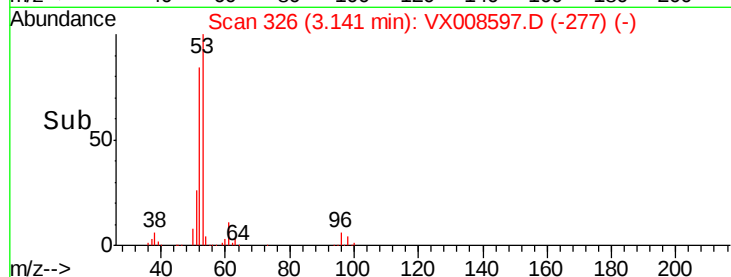
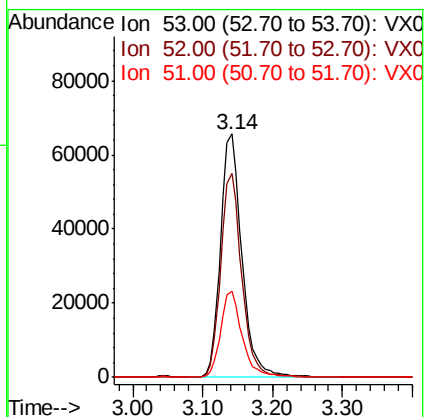
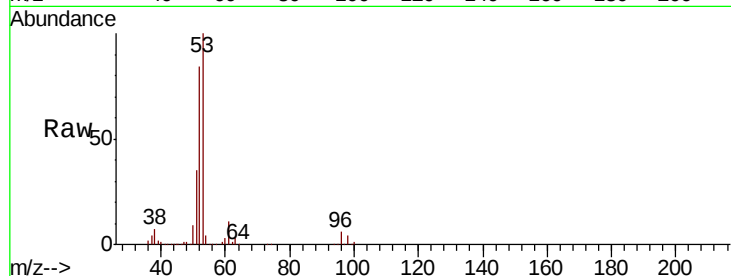
Tot Ion: 53 Resp: 139448

Ion Ratio Lower Upper

53 100

52 82.8 66.5 99.7

51 35.2 28.3 42.5



#16

Acetone

Concen: 84.622 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008597.D

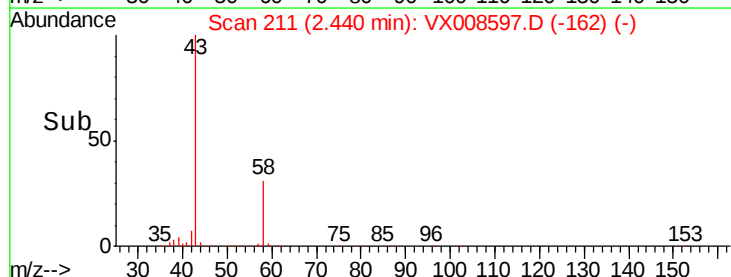
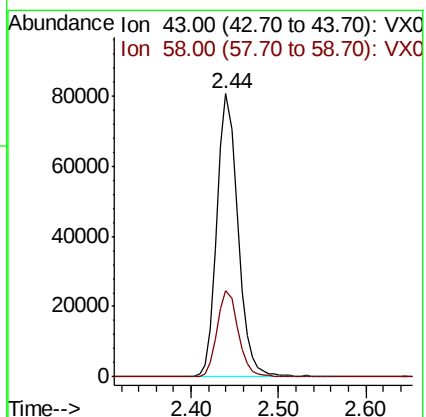
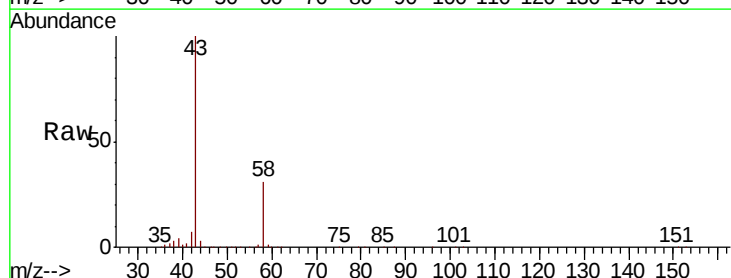
Acq: 02 Apr 2019 17:52

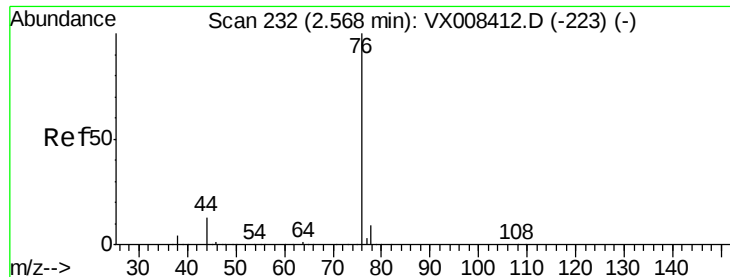
Tgt Ion: 43 Resp: 133620

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.2

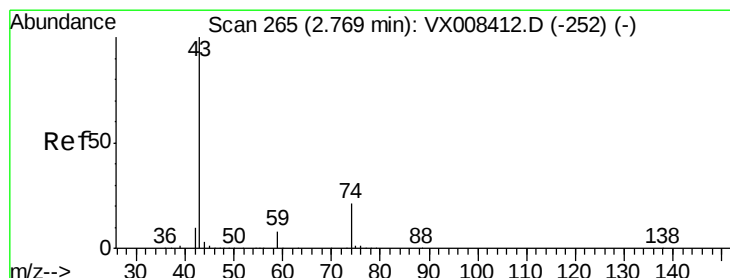
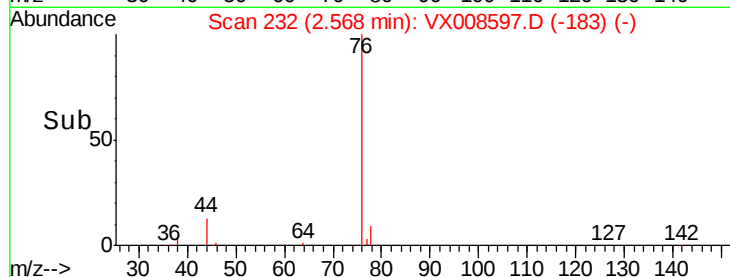
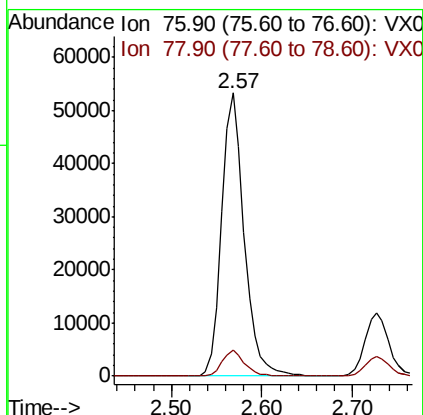
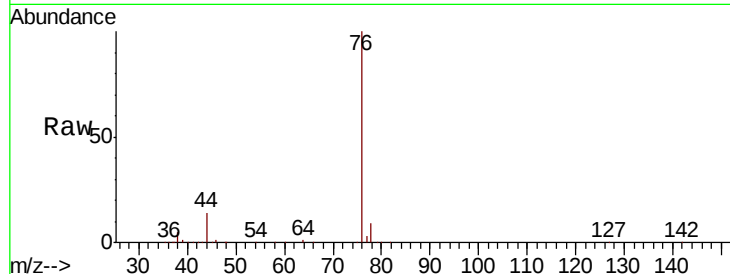




#17
Carbon Disulfide
Concen: 13.628 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

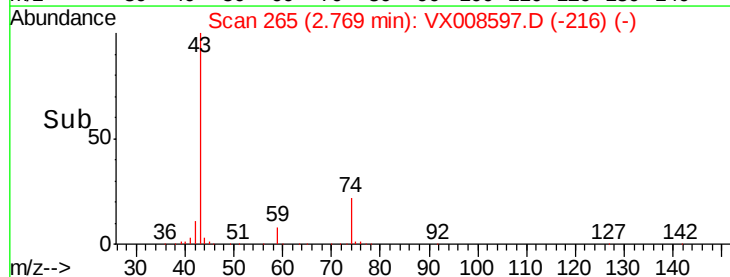
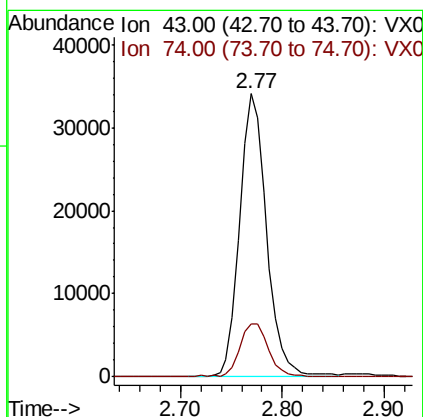
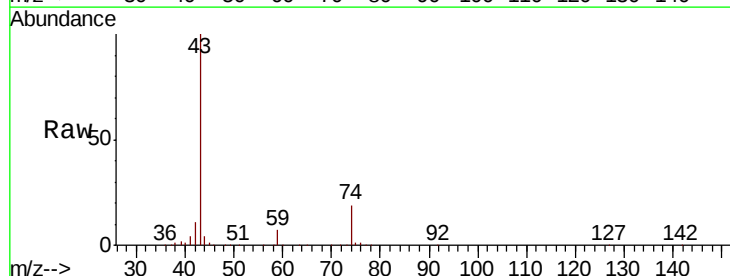
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

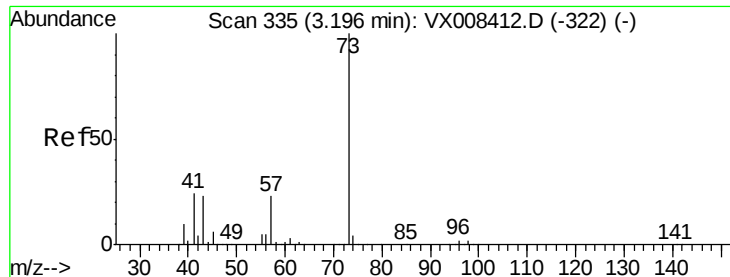
Tot Ion: 76 Resp: 92510
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 16.342 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 43 Resp: 61975
Ion Ratio Lower Upper
43 100
74 20.6 16.7 25.1

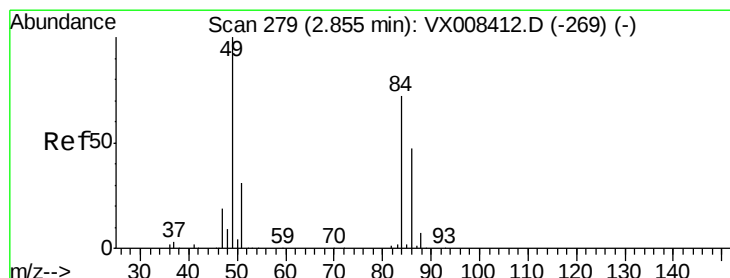
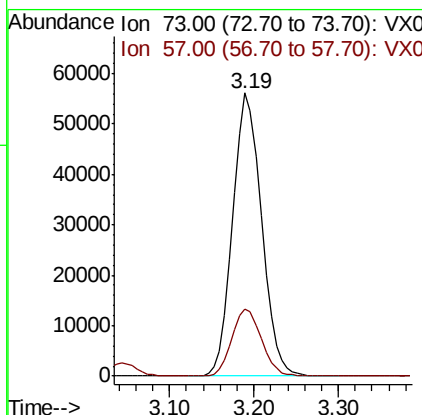
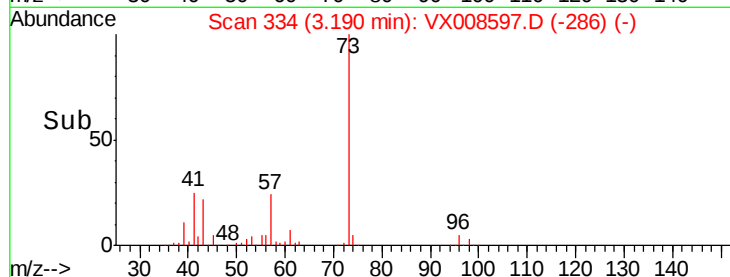
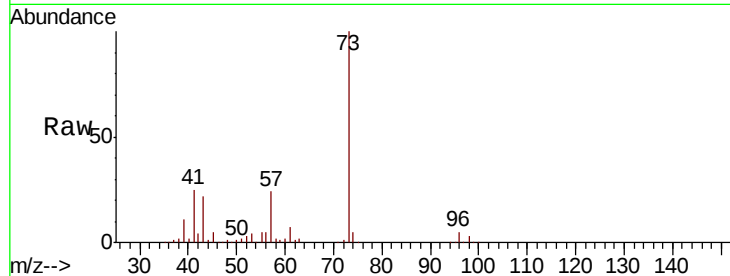




#19
Methyl tert-butyl Ether
Concen: 15.615 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

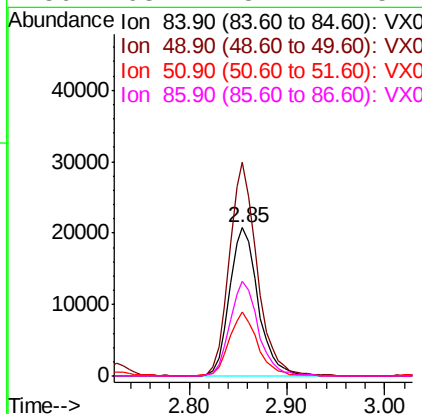
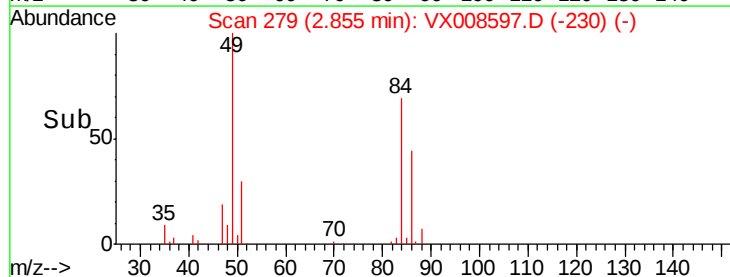
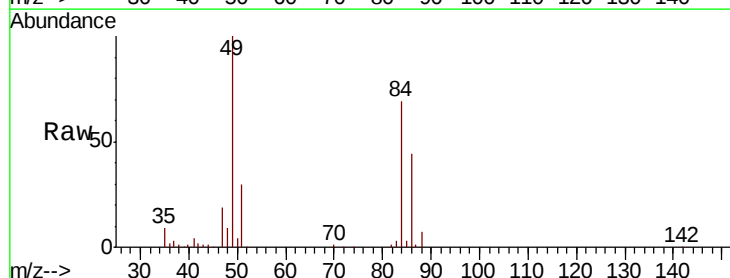
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

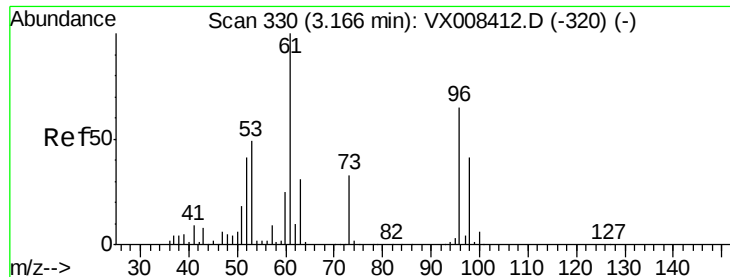
Tot Ion: 73 Resp: 130458
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0



#20
Methylene Chloride
Concen: 15.911 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 84 Resp: 42128
Ion Ratio Lower Upper
84 100
49 143.9 110.6 165.8
51 43.1 33.9 50.9
86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 15.518 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

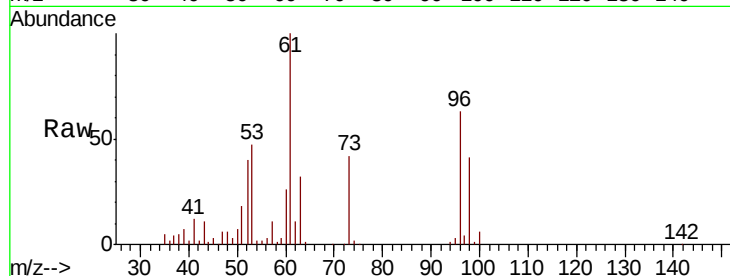
Tot Ion: 96 Resp: 36282

Ion Ratio Lower Upper

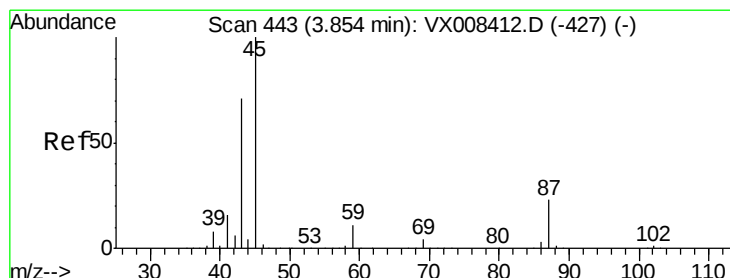
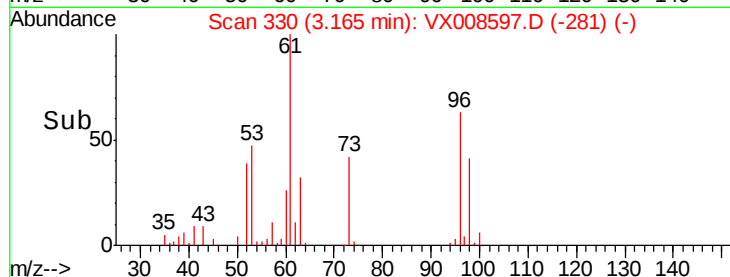
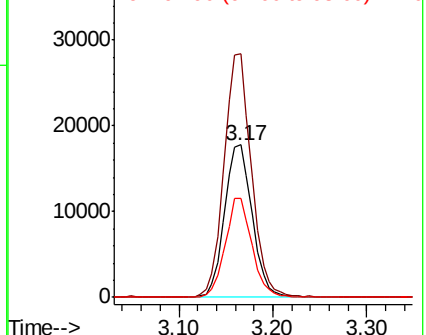
96 100

61 159.5 122.6 184.0

98 64.8 50.9 76.3



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: 15.818 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion: 45 Resp: 159087

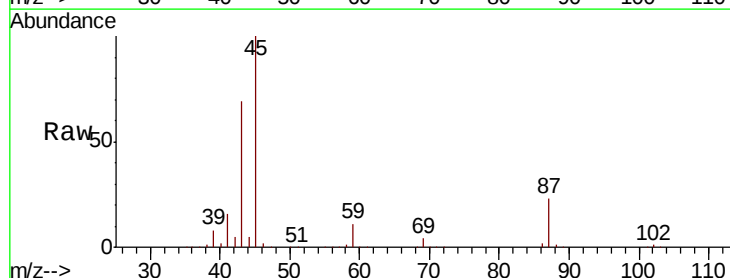
Ion Ratio Lower Upper

45 100

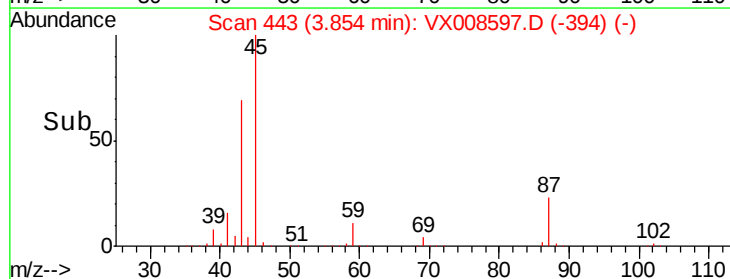
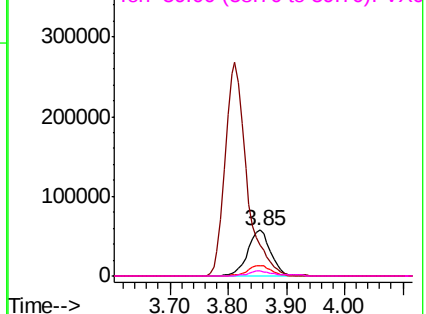
43 68.5 57.1 85.7

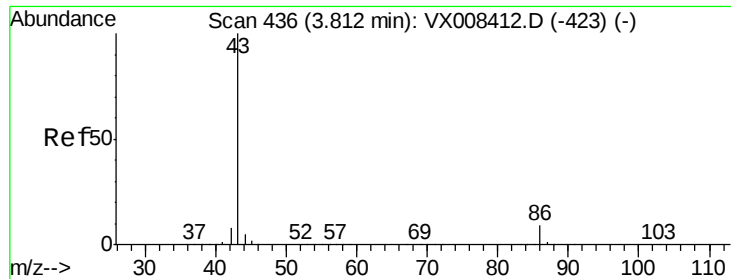
87 22.8 18.8 28.2

59 11.1 8.7 13.1



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: 79.122 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

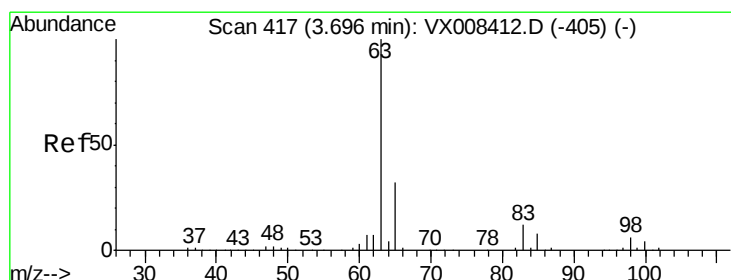
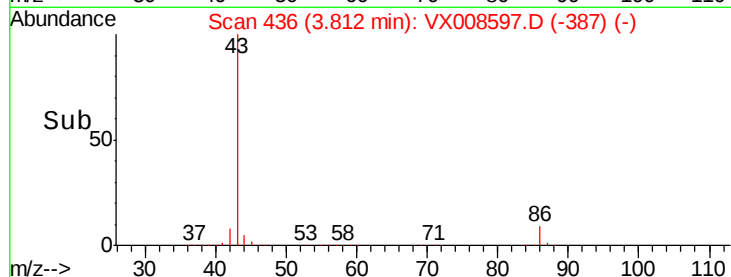
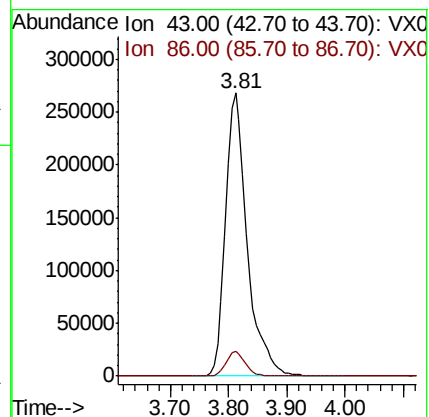
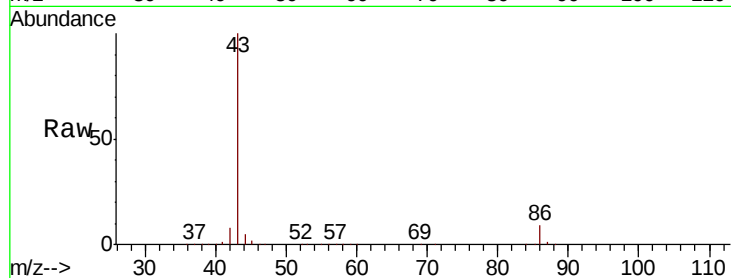
VX0402WBS02

Tot Ion: 43 Resp: 694253

Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



#24

1,1-Dichloroethane

Concen: 15.243 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

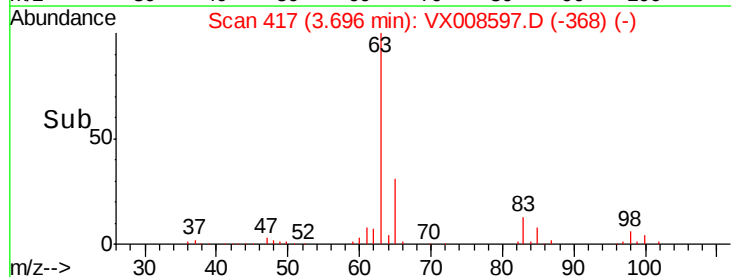
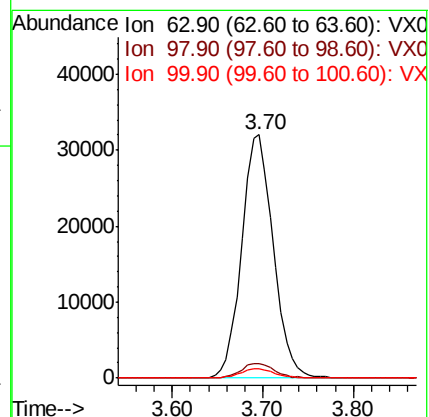
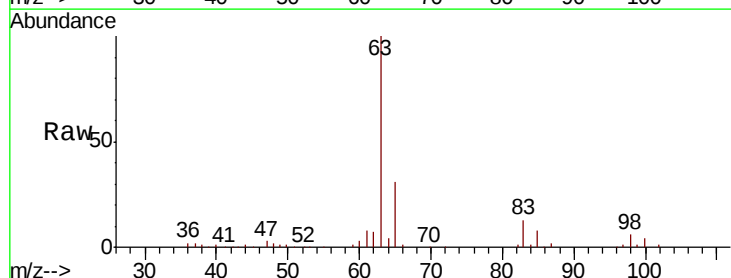
Tgt Ion: 63 Resp: 77394

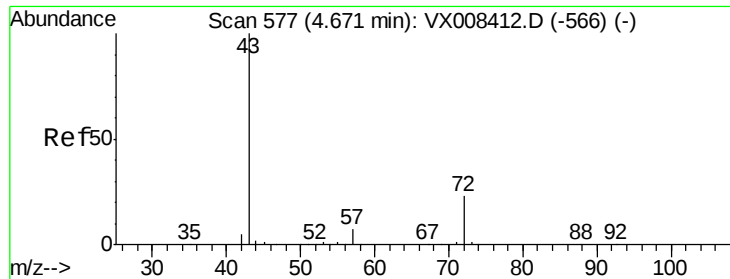
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 81.422 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

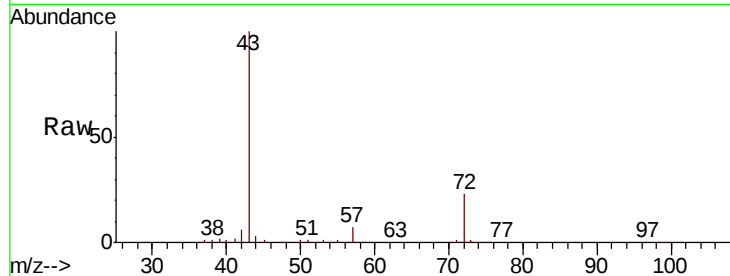
VX0402WBS02

Tot Ion: 43 Resp: 206118

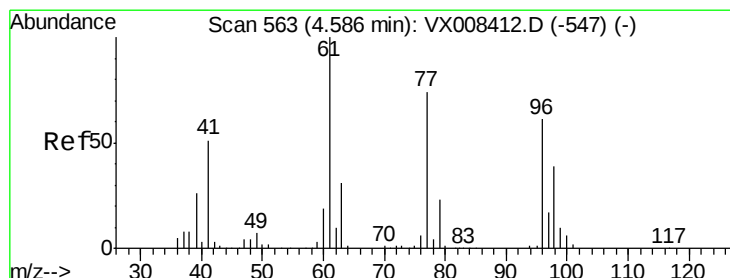
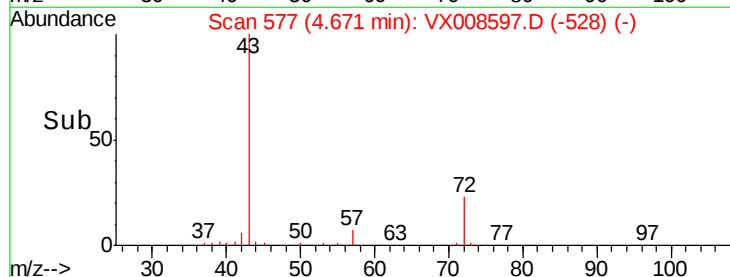
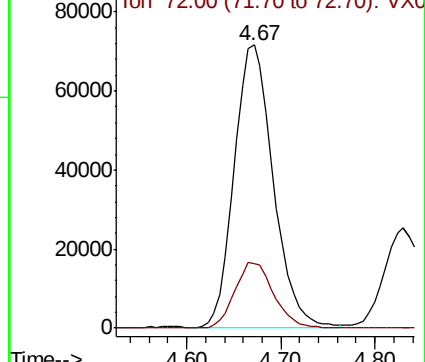
Ion Ratio Lower Upper

43 100

72 22.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 16.181 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008597.D

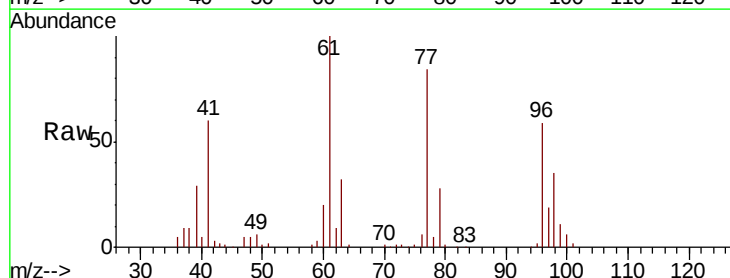
Acq: 02 Apr 2019 17:52

Tgt Ion: 77 Resp: 54645

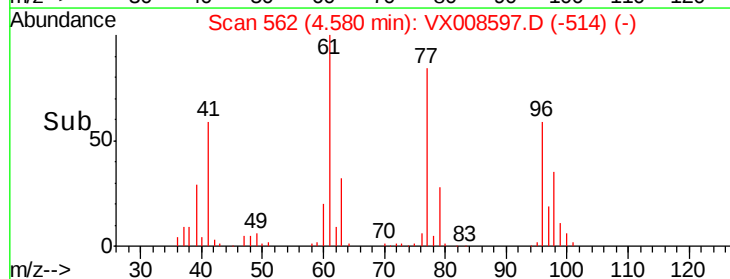
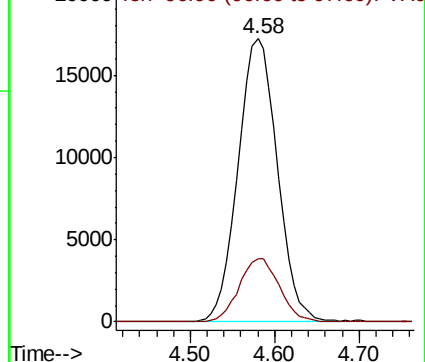
Ion Ratio Lower Upper

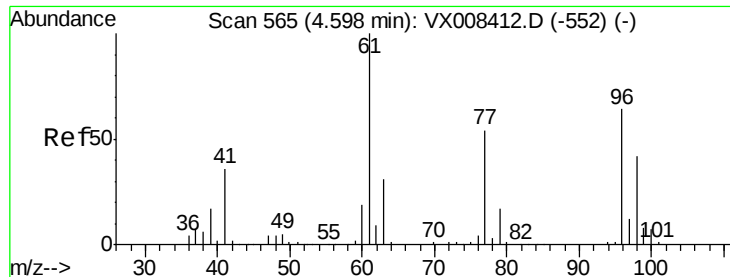
77 100

97 22.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0



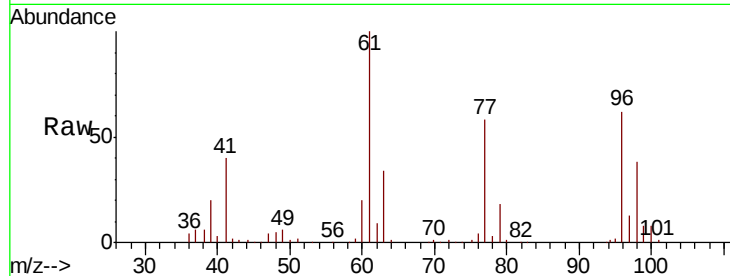


#27

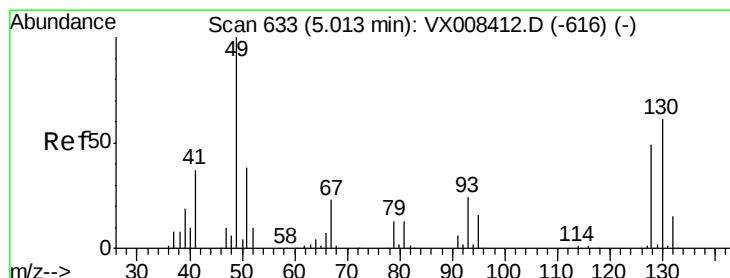
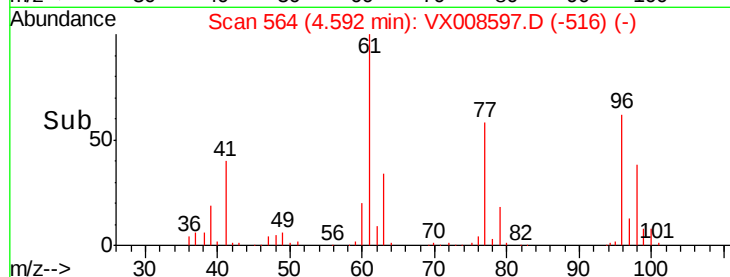
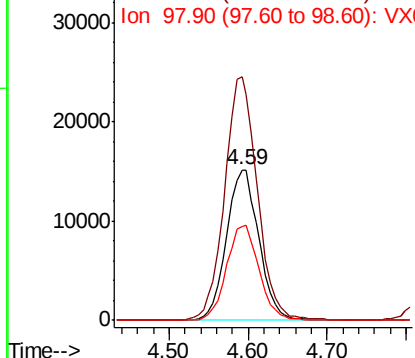
cis-1,2-Dichloroethene
 Concen: 15.265 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	325.6
98	63.2	0.0	130.0



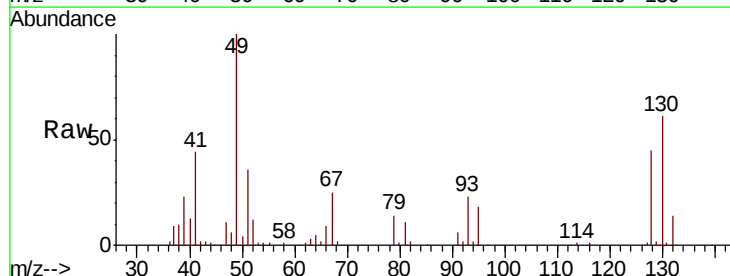
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



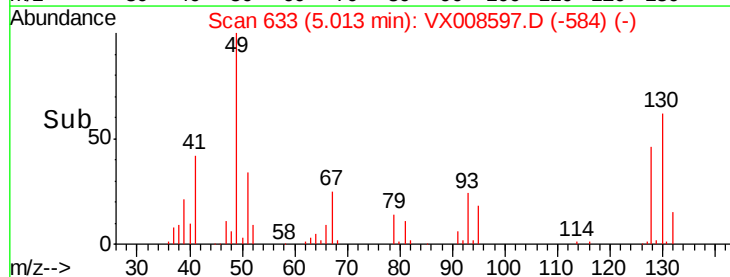
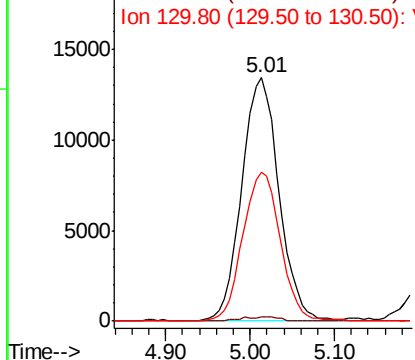
#28

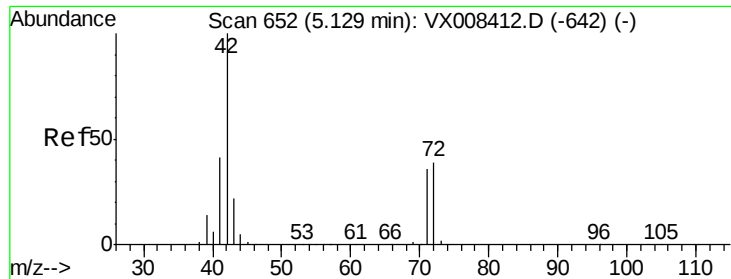
Bromochloromethane
 Concen: 16.121 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	61.3	49.8	74.6



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

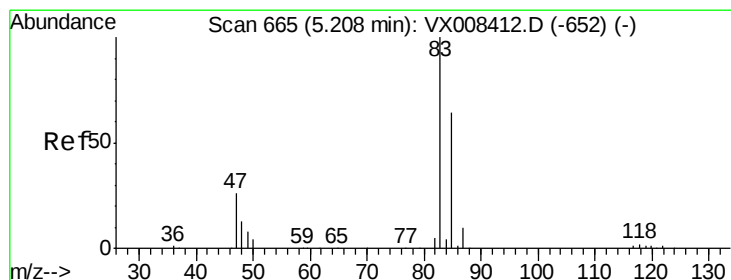
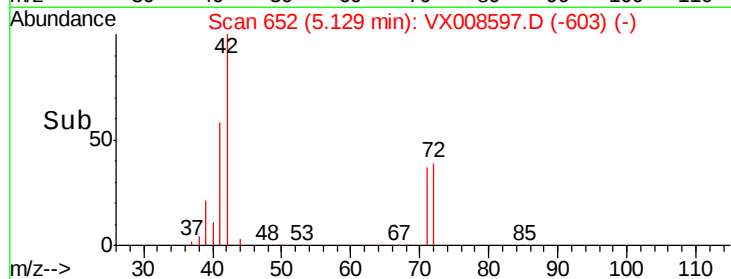
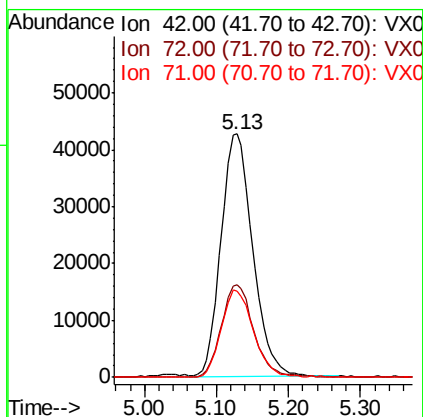
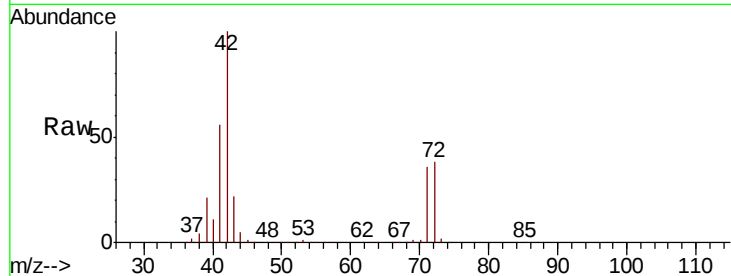




#29
Tetrahydrofuran
Concen: 78.586 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

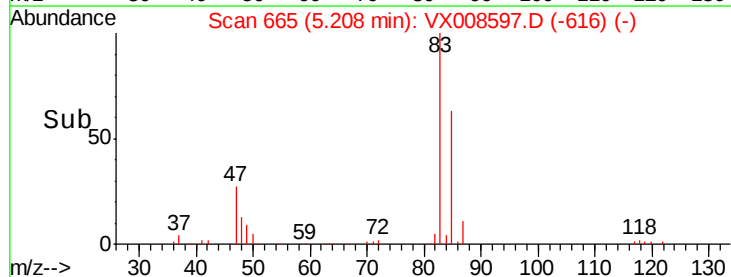
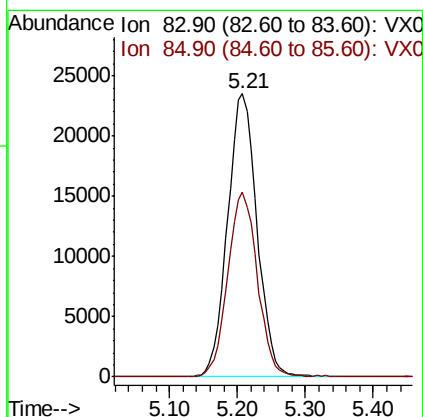
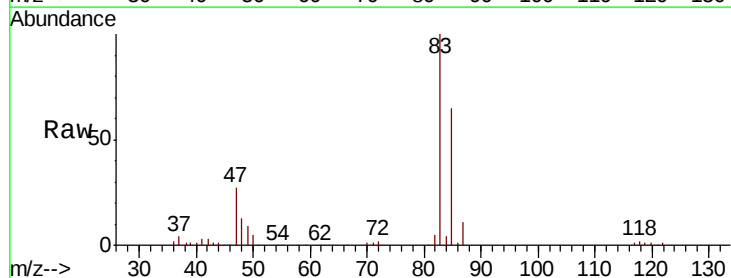
Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

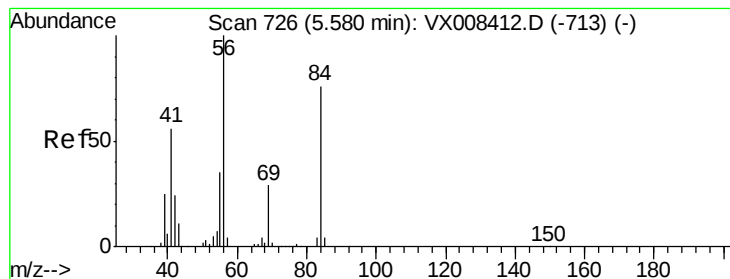
Tot Ion: 42 Resp: 131114
Ion Ratio Lower Upper
42 100
72 39.0 31.4 47.2
71 36.2 29.4 44.2



#30
Chloroform
Concen: 15.445 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 83 Resp: 70774
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2





#31

Cyclohexane

Concen: 15.117 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

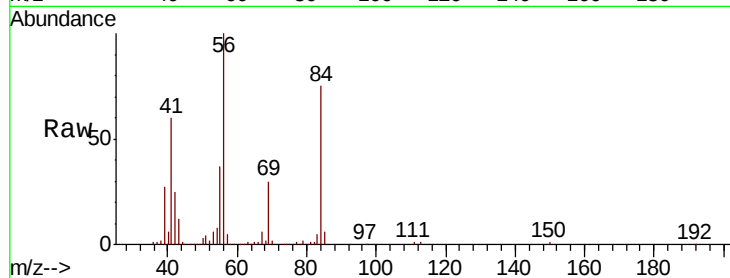
Tot Ion: 56 Resp: 73205

Ion Ratio Lower Upper

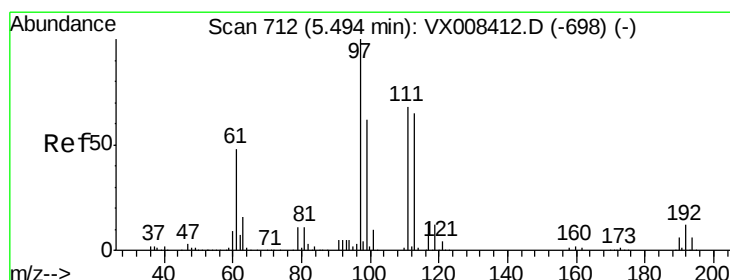
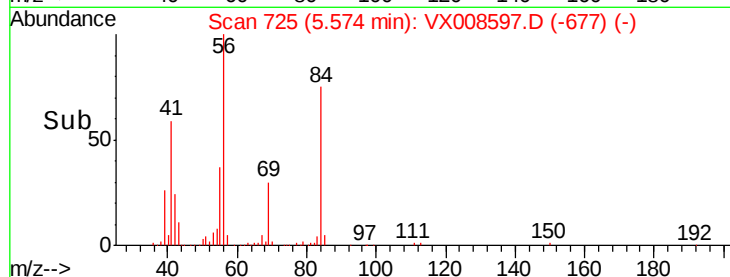
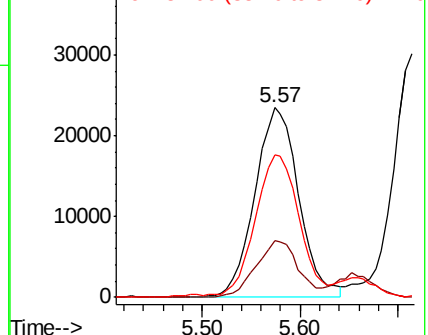
56 100

69 29.7 23.2 34.8

84 73.8 60.7 91.1



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



#32

1,1,1-Trichloroethane

Concen: 15.638 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

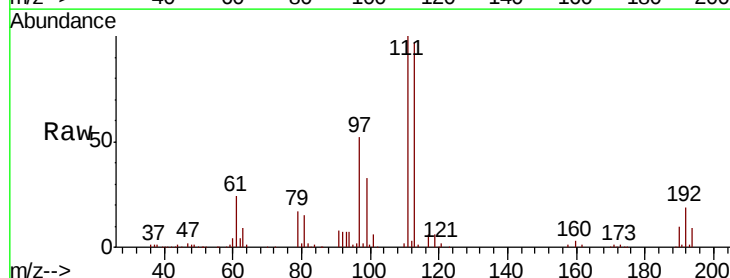
Tgt Ion: 97 Resp: 57276

Ion Ratio Lower Upper

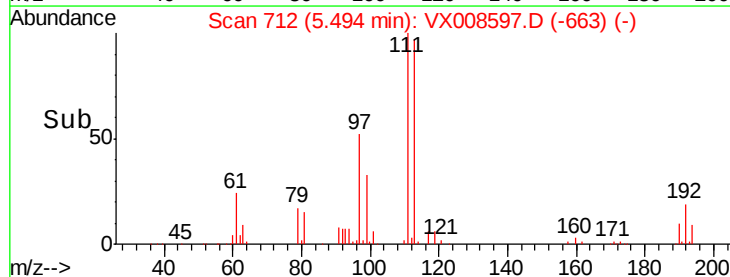
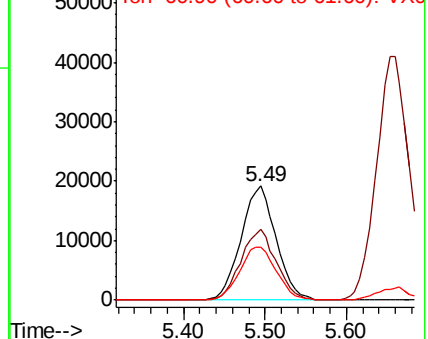
97 100

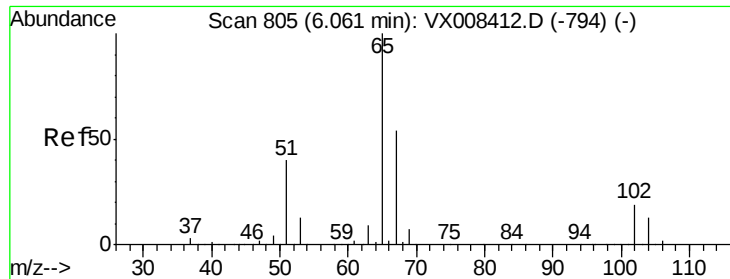
99 62.7 51.5 77.3

61 49.2 38.8 58.2



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

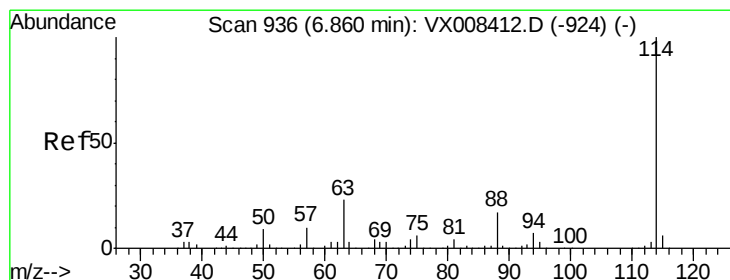
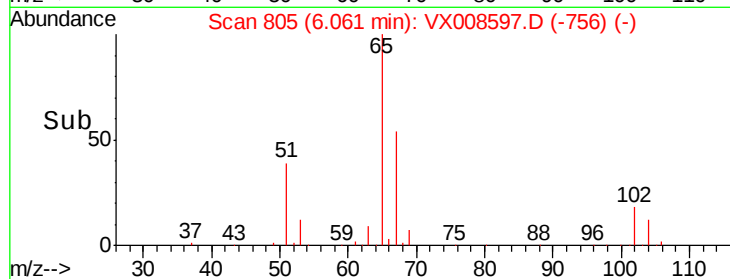
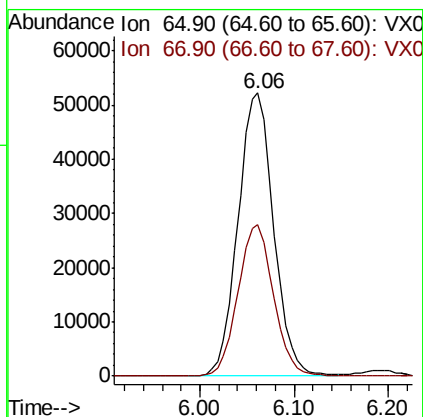
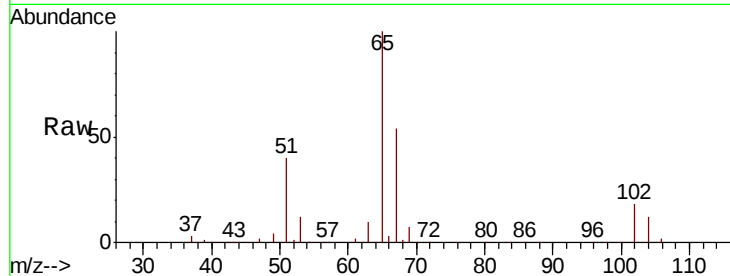




#33
 1,2-Dichloroethane-d4
 Concen: 45.690 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

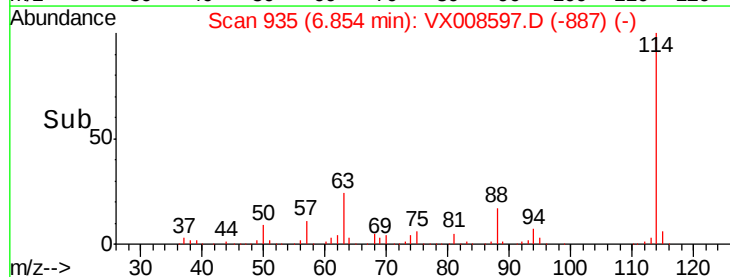
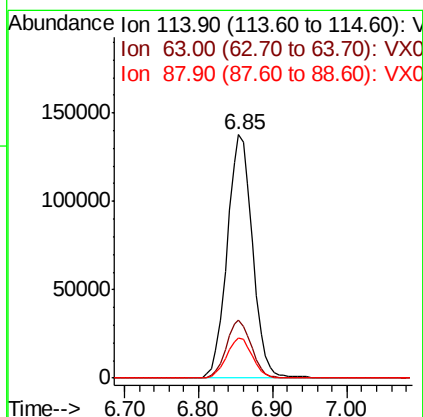
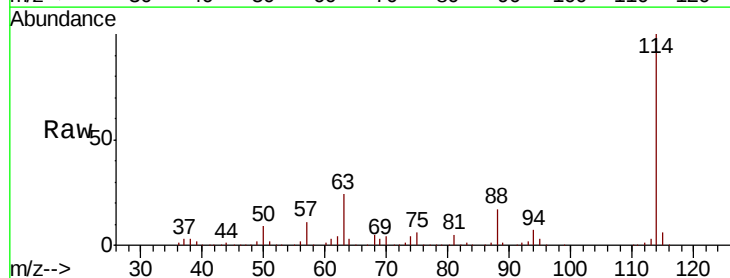
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

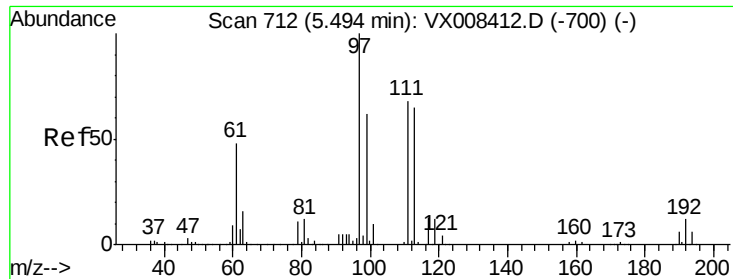
Tot Ion: 65 Resp: 138038
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 114 Resp: 327935
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.4
 88 16.6 0.0 33.2

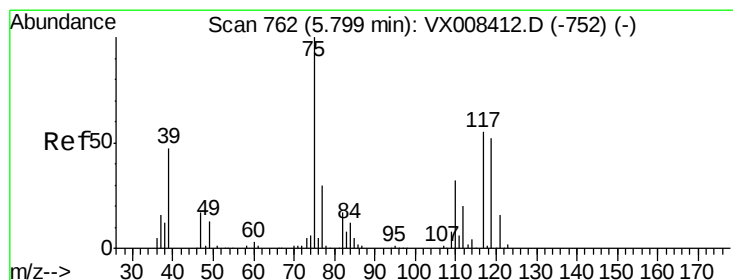
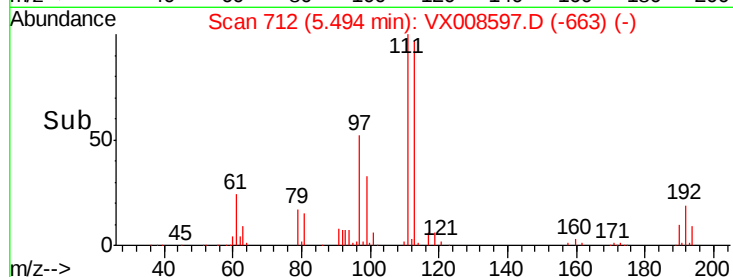
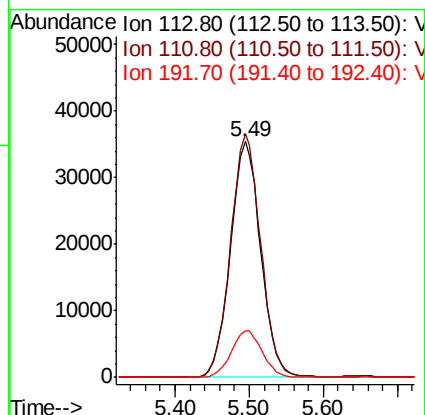
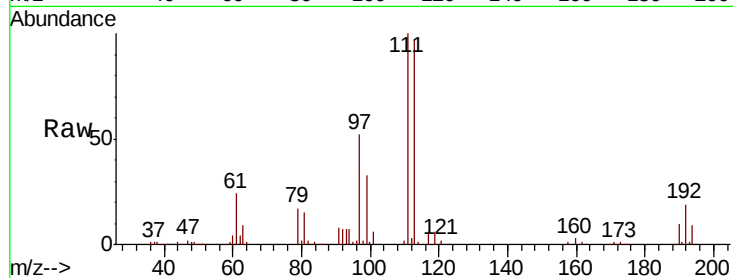




#35
 Dibromofluoromethane
 Concen: 47.223 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

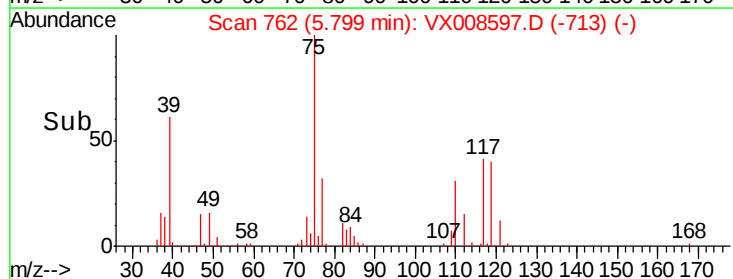
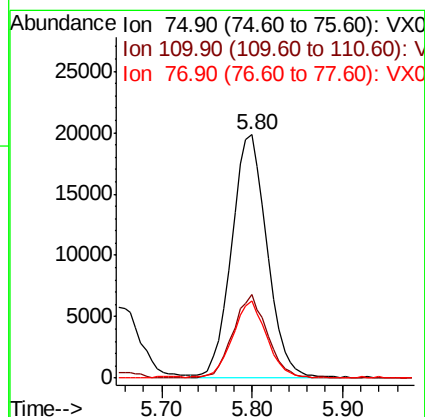
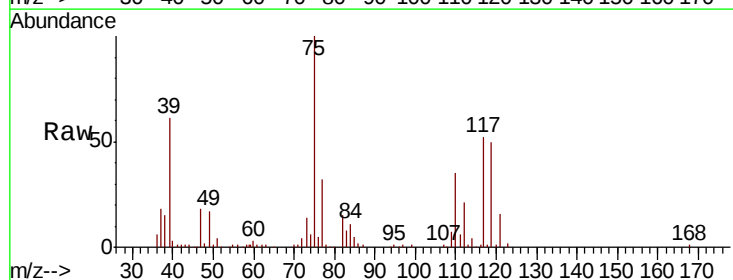
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

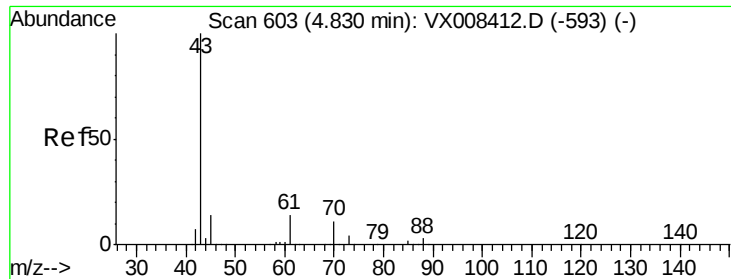
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	20.3	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 15.282 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.7
77	31.0	24.2	36.2

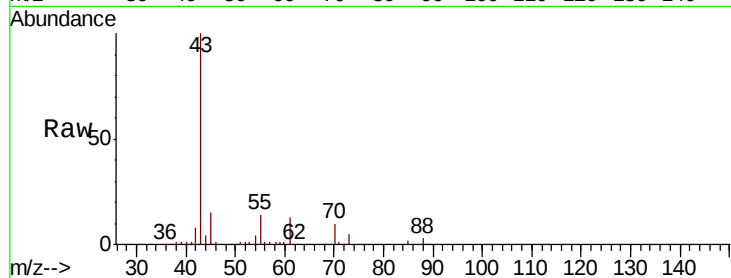




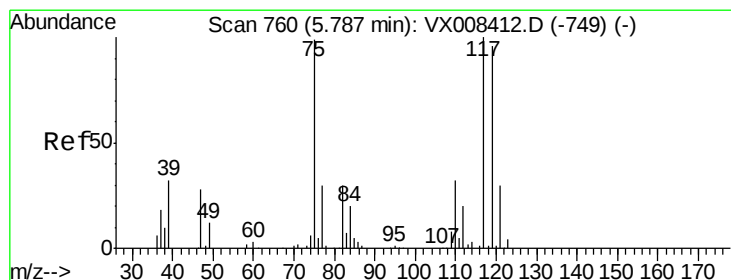
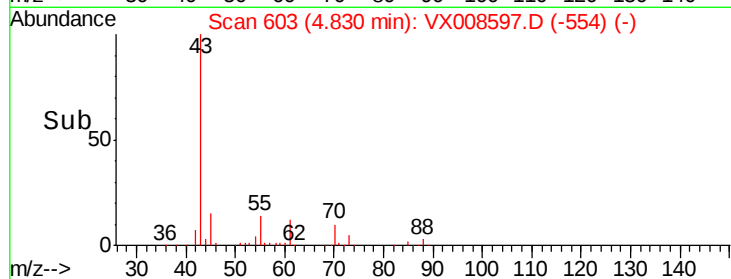
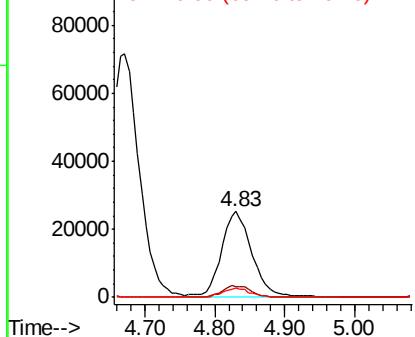
#37
Ethyl Acetate
Concen: 16.684 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion: 43 Resp: 75571
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 10.2 7.8 11.8

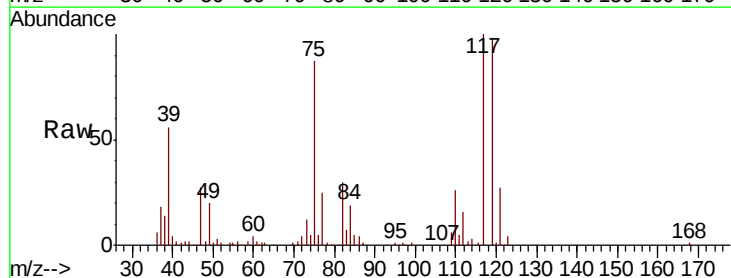


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

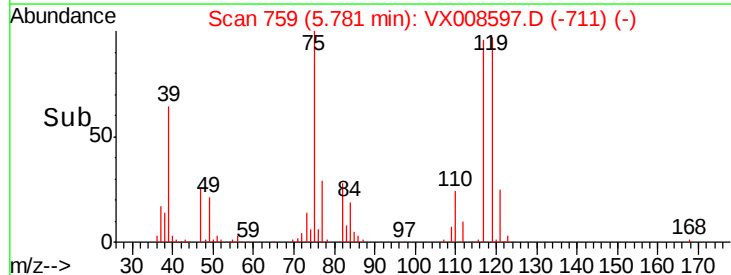
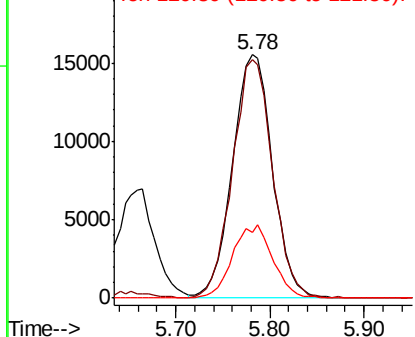


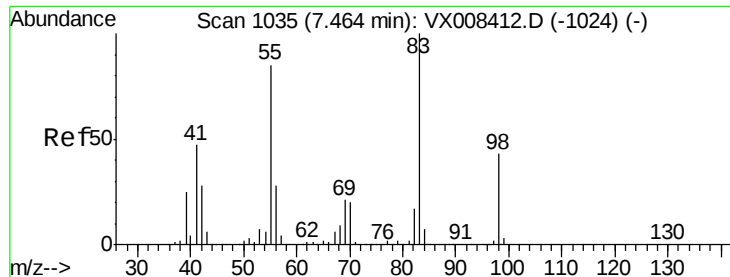
#38
Carbon Tetrachloride
Concen: 15.775 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 117 Resp: 46032
Ion Ratio Lower Upper
117 100
119 97.7 76.7 115.1
121 27.0 24.3 36.5



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

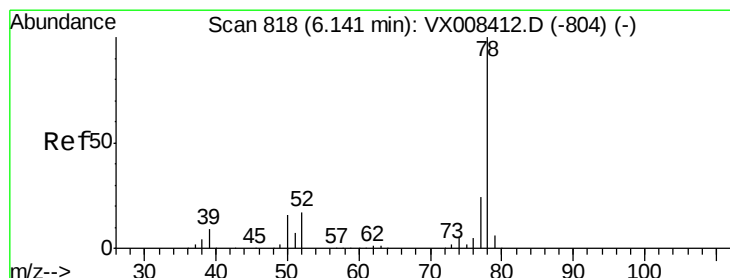
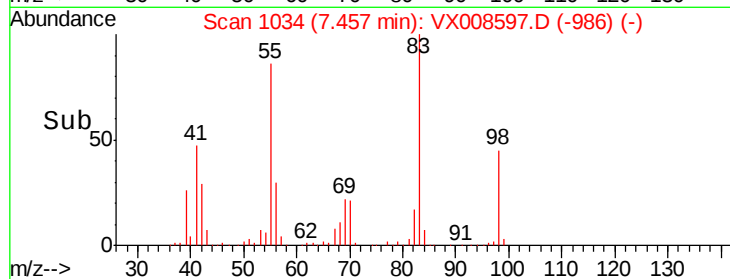
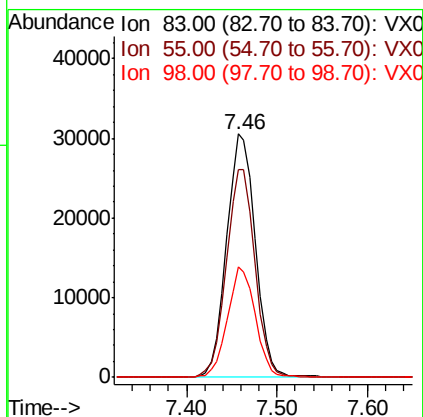
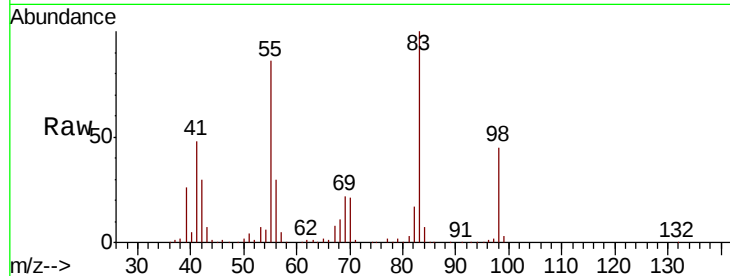




#39
Methvlcvclohexane
Concen: 16.077 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

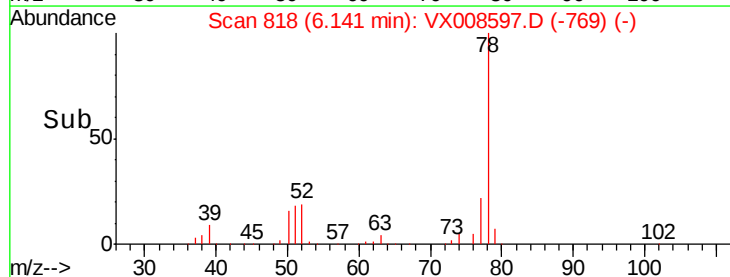
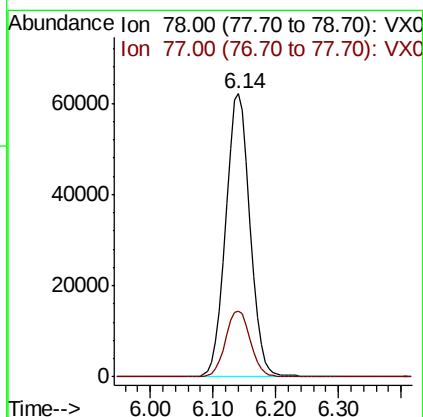
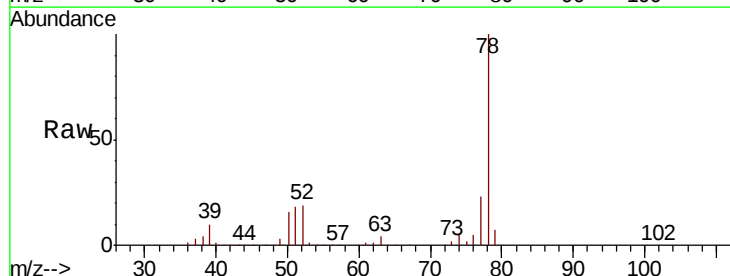
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

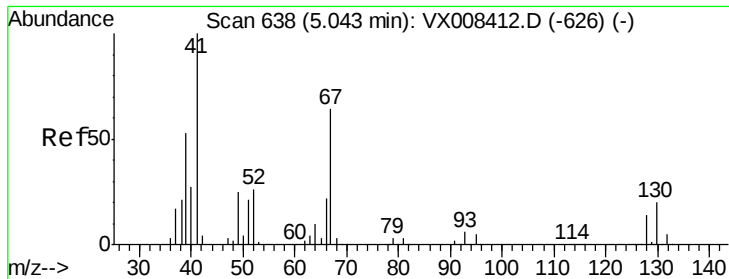
Tot Ion: 83 Resp: 67180
Ion Ratio Lower Upper
83 100
55 85.5 68.2 102.4
98 45.2 34.2 51.4



#40
Benzene
Concen: 15.879 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 78 Resp: 166218
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9

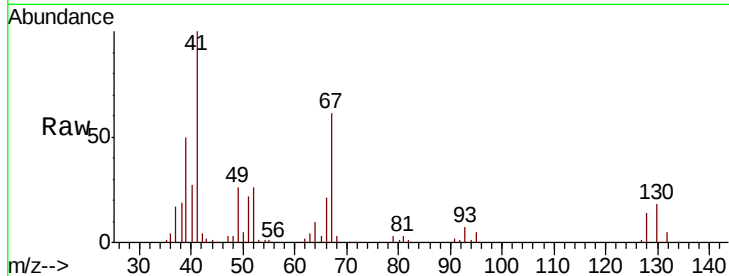




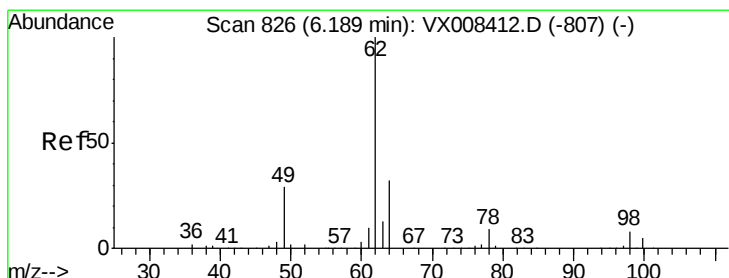
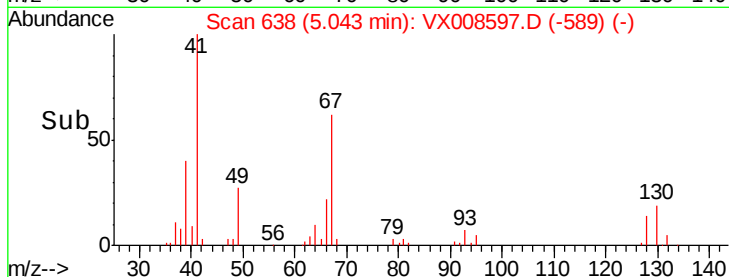
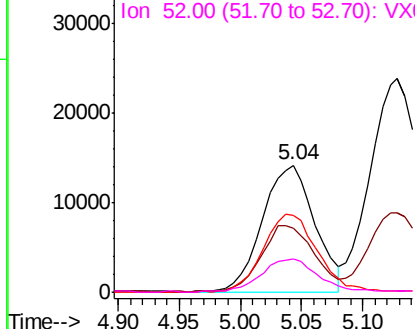
#41
Methacrylonitrile
Concen: 16.636 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion:	41	Resp:	42348
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.6	64.0
67	64.2	52.2	78.4
52	28.9	21.4	32.0

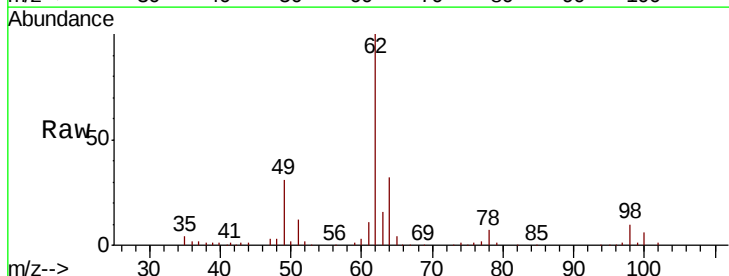


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

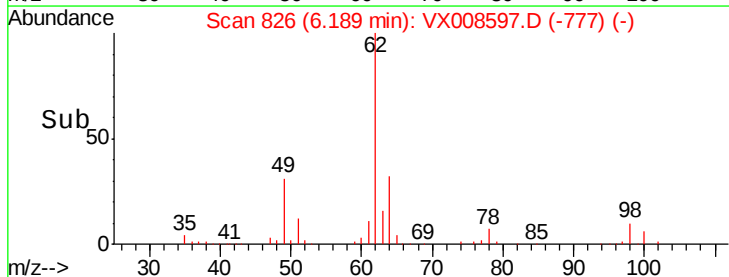
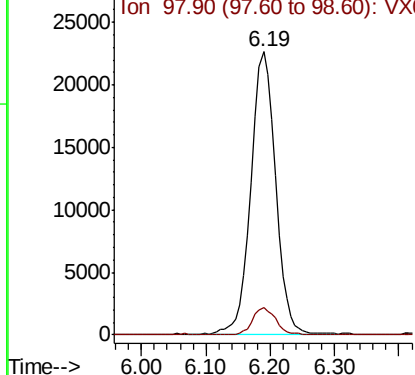


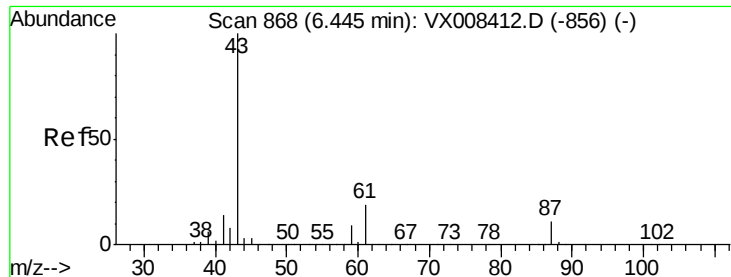
#42
1,2-Dichloroethane
Concen: 15.670 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:	62	Resp:	60055
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



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



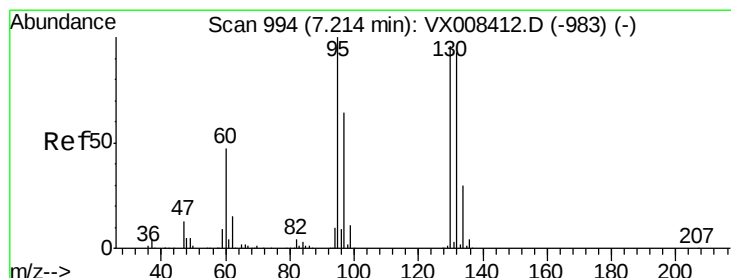
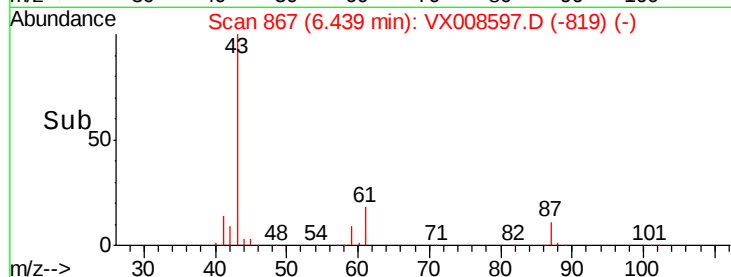
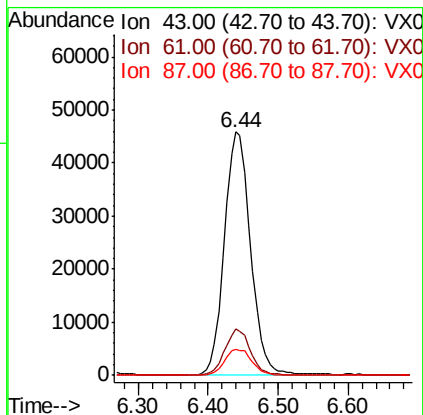
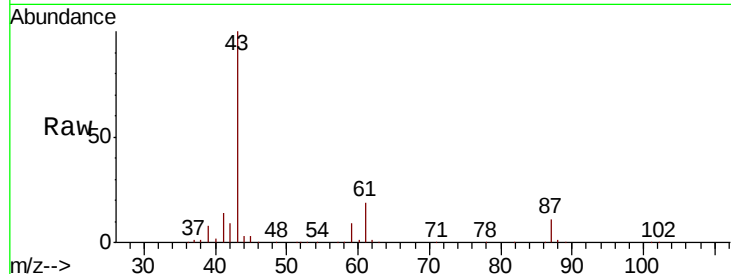


#43

Isopropyl Acetate
 Concen: 16.385 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

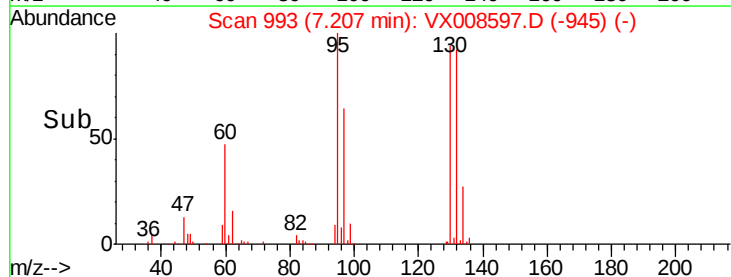
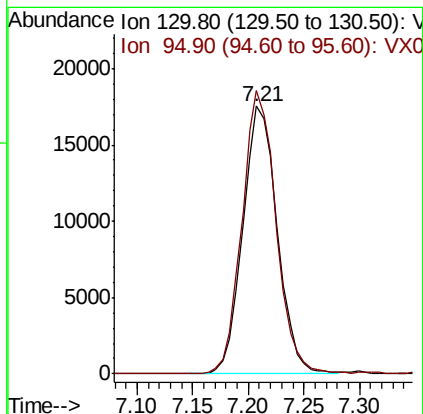
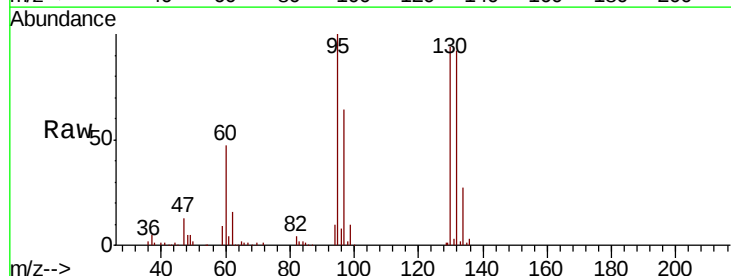
Tot Ion	43	Resp	118713
Ion Ratio	Lower	Upper	
43	100		
61	18.8	15.4	23.2
87	11.2	9.1	13.7

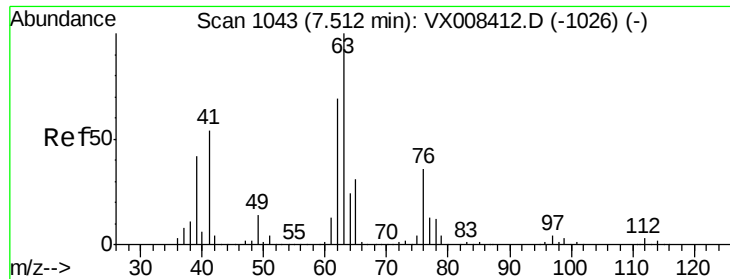


#44

Trichloroethene
 Concen: 15.394 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	130	Resp	37835
Ion Ratio	Lower	Upper	
130	100		
95	105.8	0.0	208.8





#45

1,2-Dichloropropane

Concen: 16.148 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

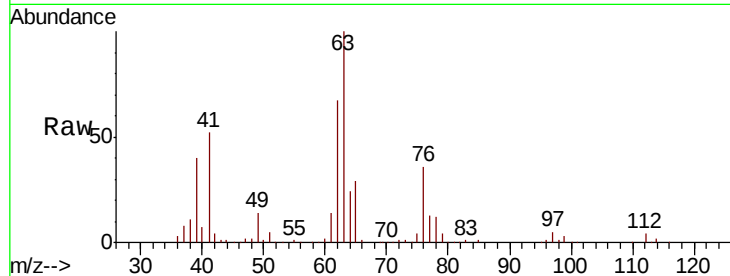
VX0402WBS02

Tot Ion: 63 Resp: 48044

Ion Ratio Lower Upper

63 100

65 29.5 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

10000

5000

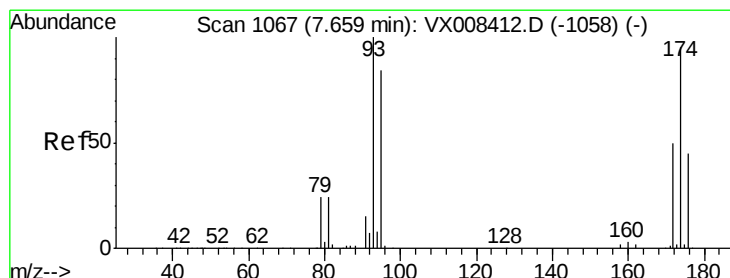
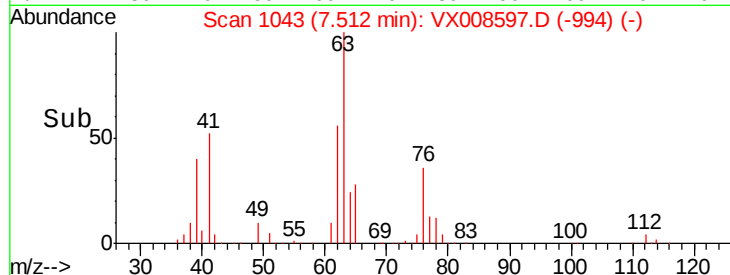
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 15.543 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

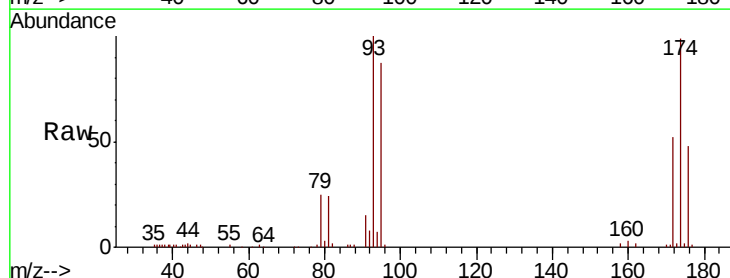
Tgt Ion: 93 Resp: 27005

Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.6

174 96.4 76.0 114.0



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

15000

10000

5000

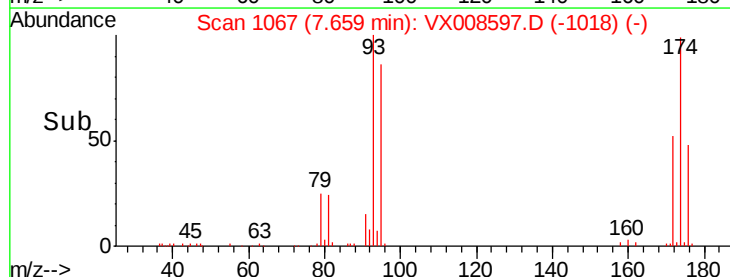
0

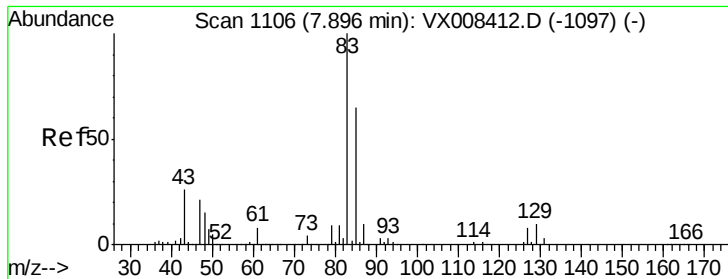
7.60

7.70

7.80

Time-->





#47

Bromodichloromethane

Concen: 16.154 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

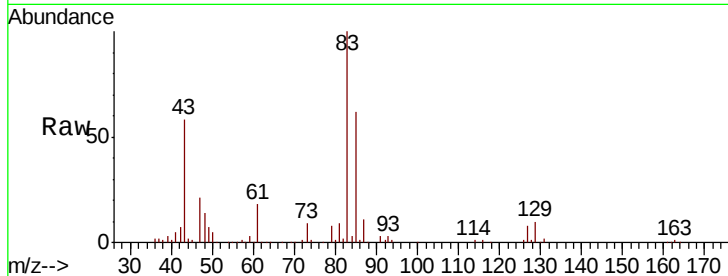
Tot Ion: 83 Resp: 53723

Ion Ratio Lower Upper

83 100

85 61.6 52.0 78.0

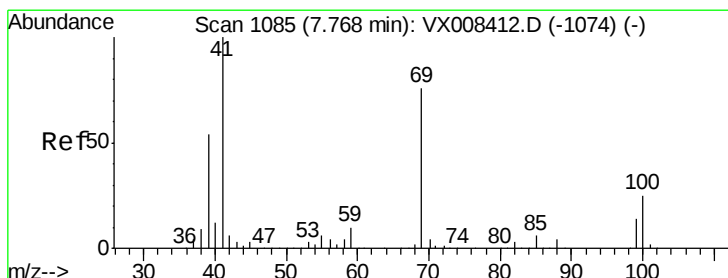
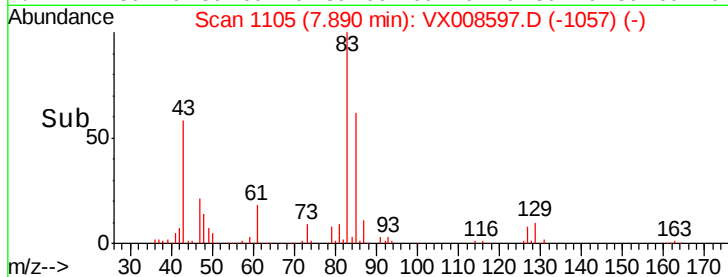
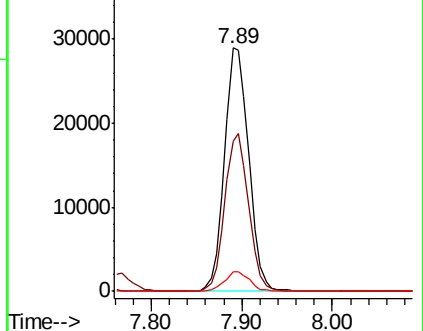
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): VX0



#48

Methyl methacrylate

Concen: 16.530 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

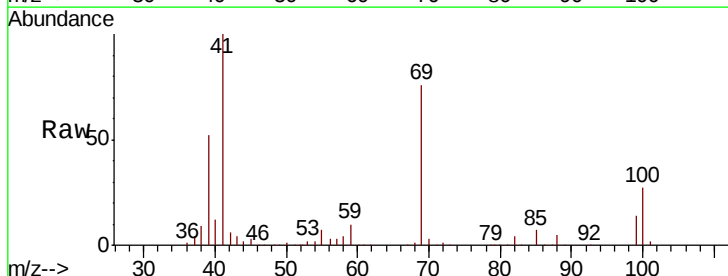
Tgt Ion: 41 Resp: 59925

Ion Ratio Lower Upper

41 100

69 73.1 60.8 91.2

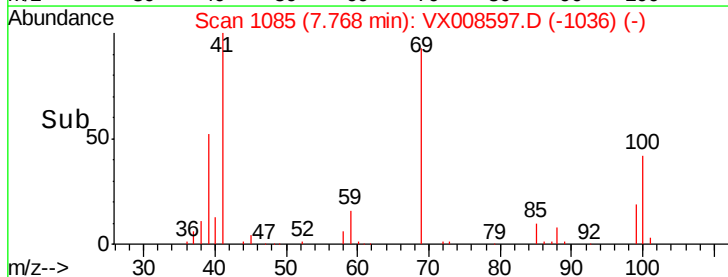
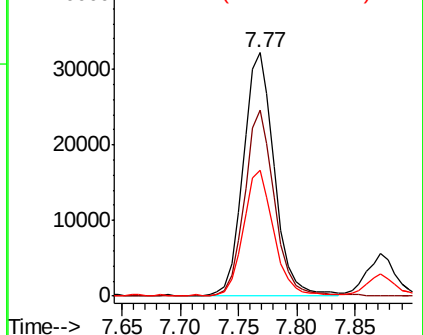
39 49.6 42.3 63.5

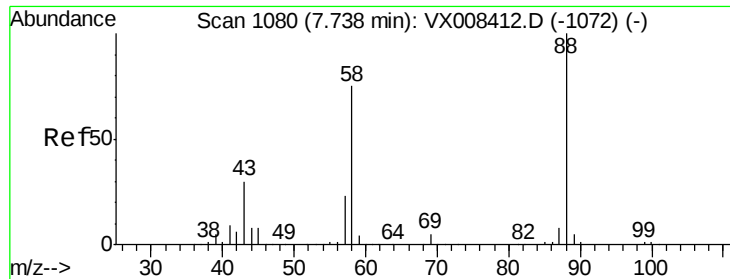


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

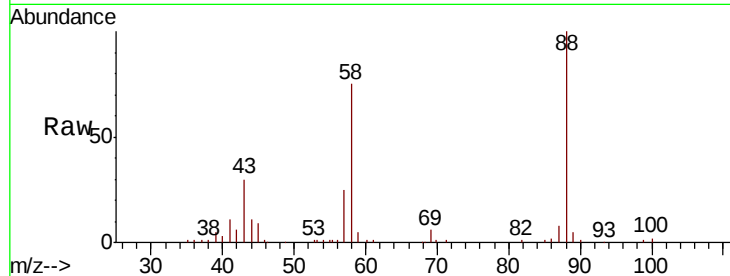




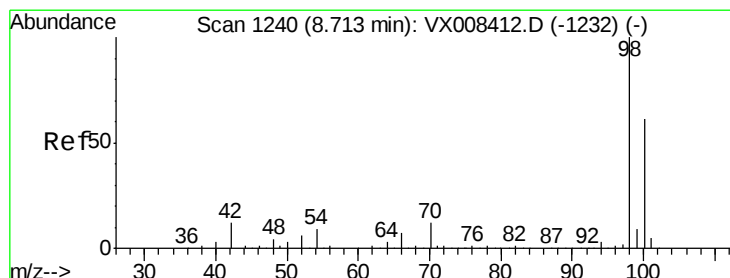
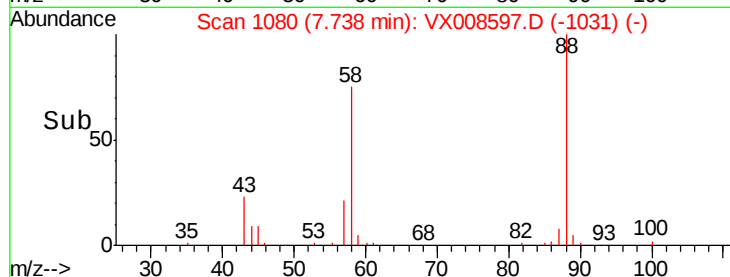
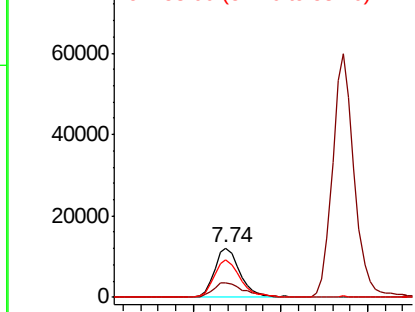
#49
1,4-Dioxane
Concen: 342.000 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion: 88 Resp: 24652
Ion Ratio Lower Upper
88 100
43 35.1 28.6 43.0
58 78.0 63.0 94.4

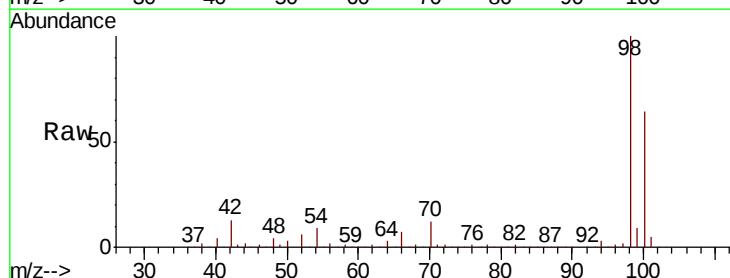


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

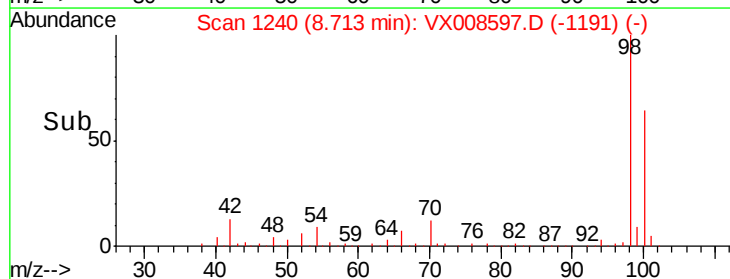
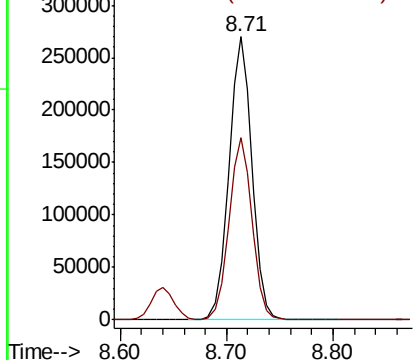


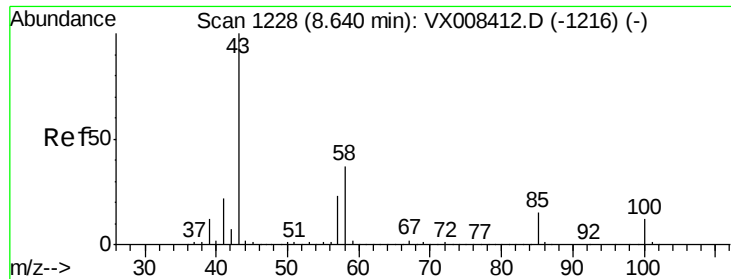
#50
Toluene-d8
Concen: 47.682 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion: 98 Resp: 407684
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 83.744 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

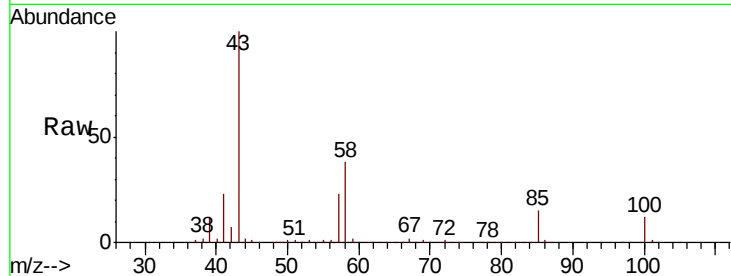
VX0402WBS02

Tot Ion: 43 Resp: 394086

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

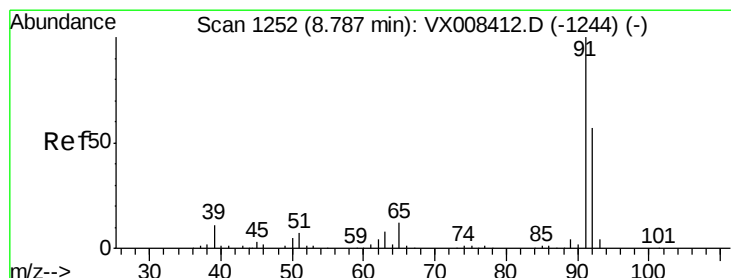
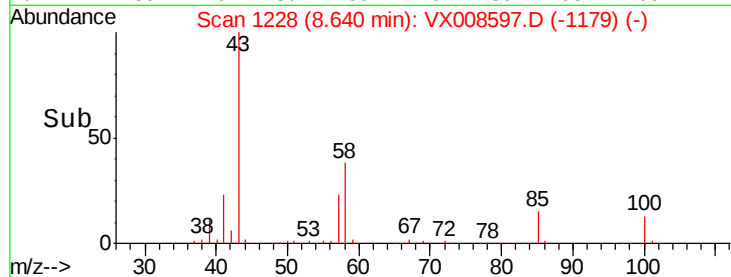
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 15.917 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008597.D

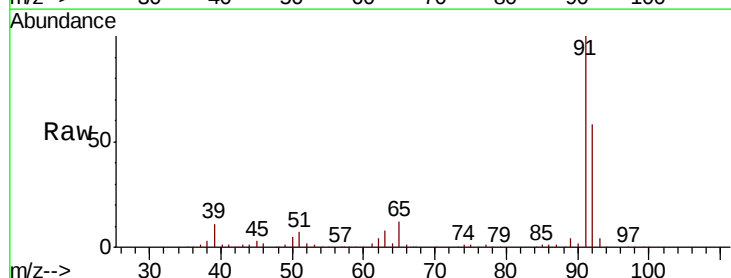
Acq: 02 Apr 2019 17:52

Tgt Ion: 92 Resp: 99626

Ion Ratio Lower Upper

92 100

91 173.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

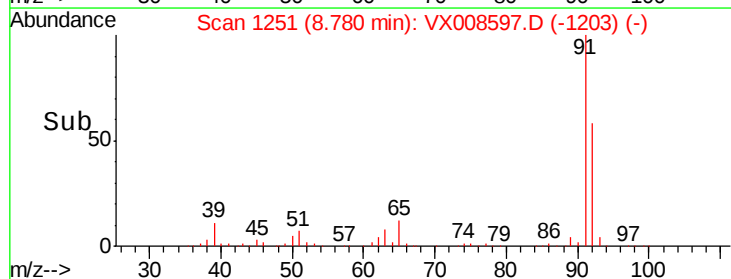
8.78

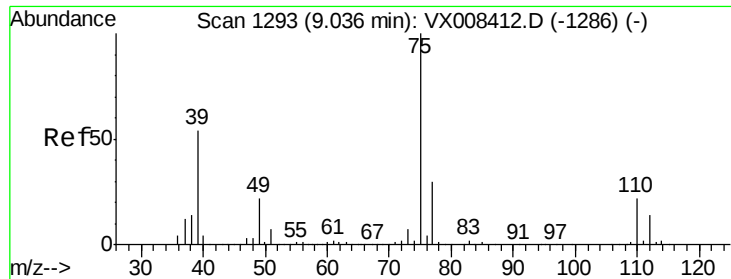
100000

50000

0

Time-->

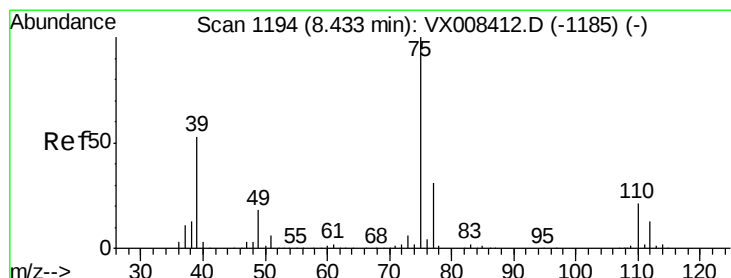
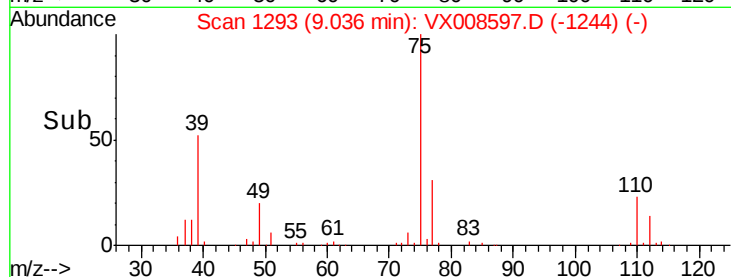
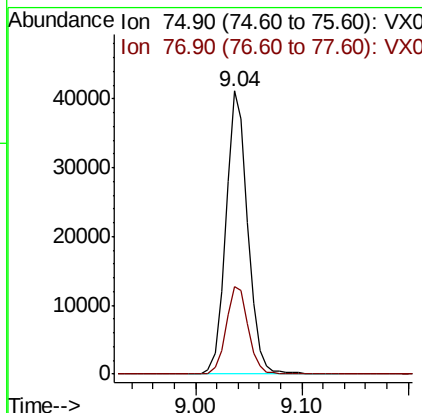
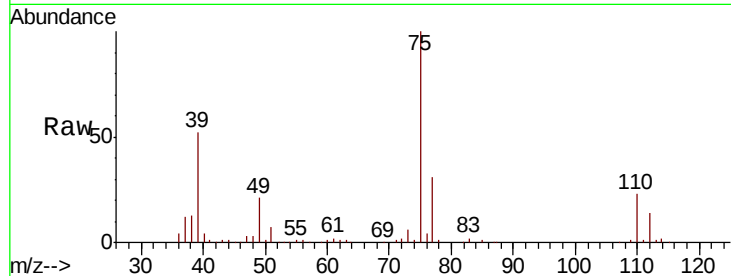




#53
 t-1,3-Dichloropropene
 Concen: 16.182 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

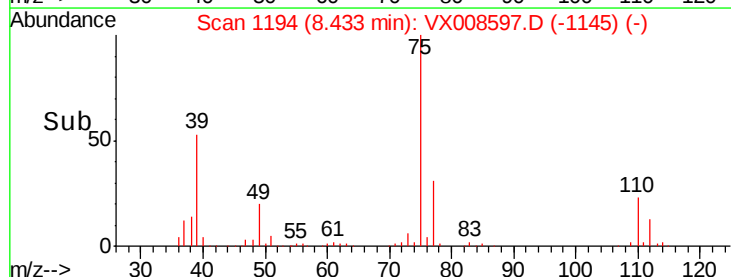
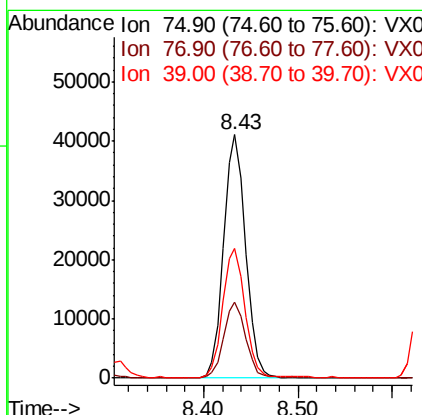
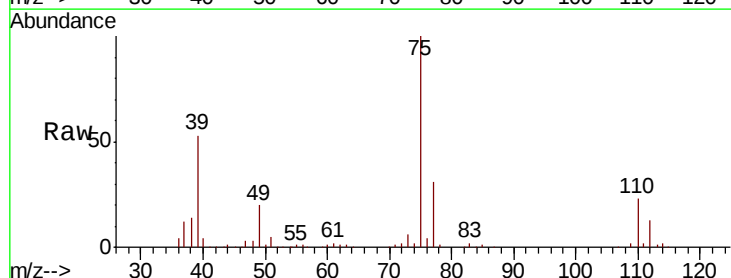
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

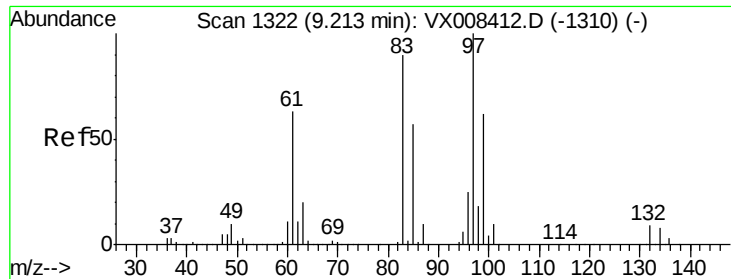
Tot Ion: 75 Resp: 58943
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 16.108 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 75 Resp: 66719
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.7 37.1
 39 53.0 42.4 63.6

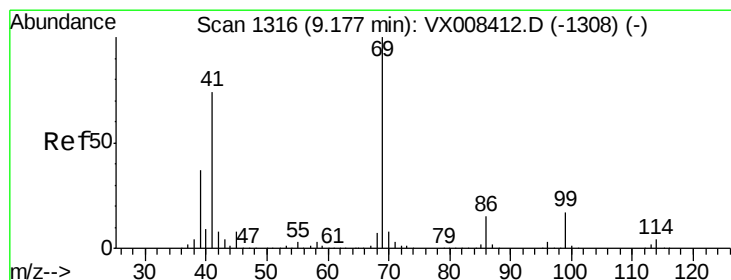
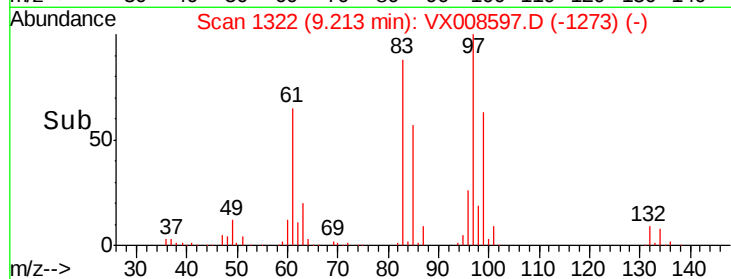
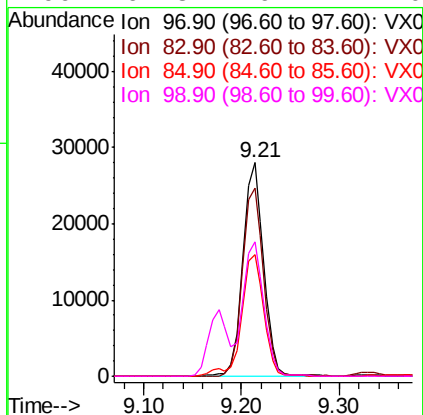
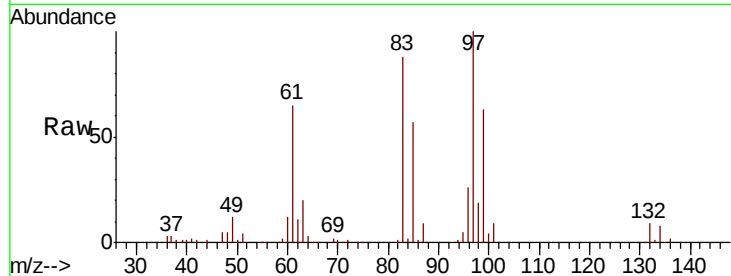




#55
 1,1,2-Trichloroethane
 Concen: 16.134 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

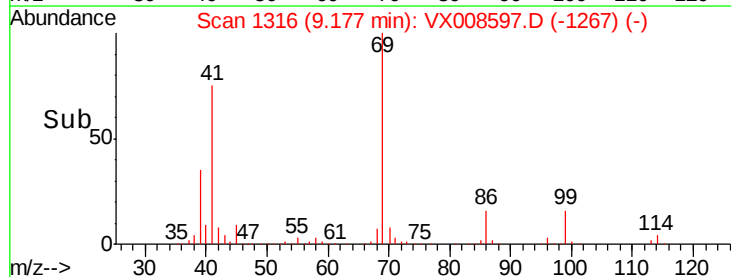
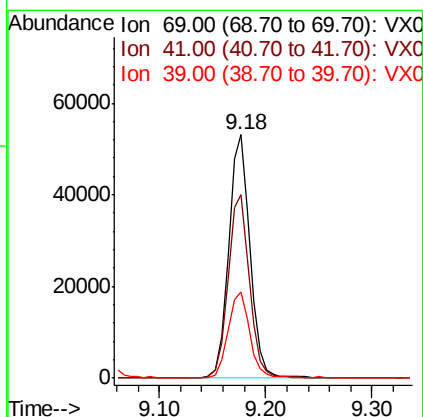
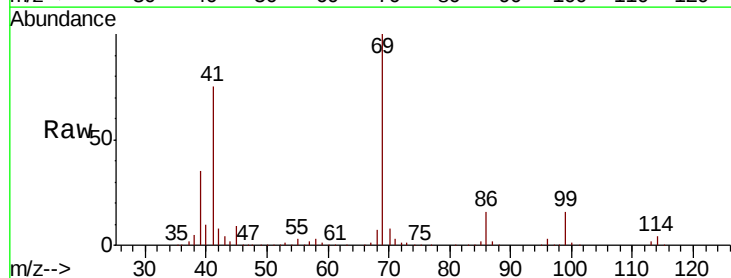
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

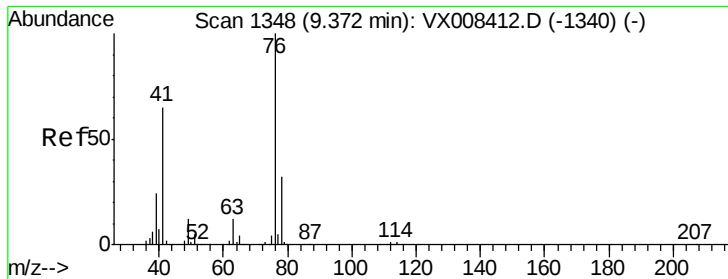
Tot Ion:	97	Resp:	41106
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.8	107.6
85	57.2	45.9	68.9
99	62.8	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 16.143 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion:	69	Resp:	74243
Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.5	89.3
39	35.4	29.3	43.9





#57

1,3-Dichloropropane

Concen: 16.056 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

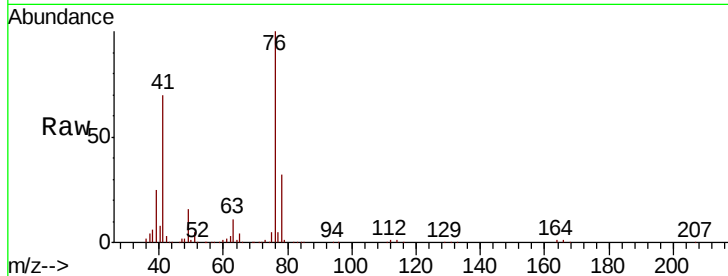
VX0402WBS02

Tot Ion: 76 Resp: 73345

Ion Ratio Lower Upper

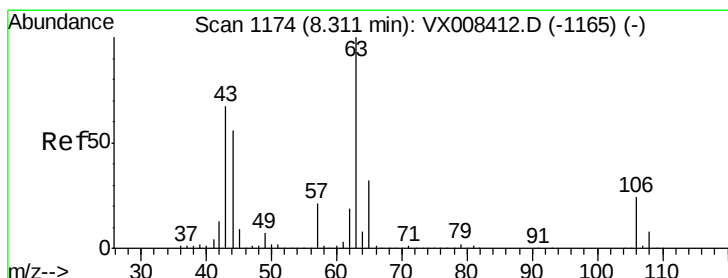
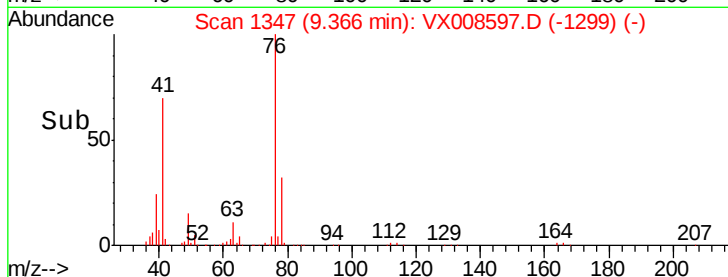
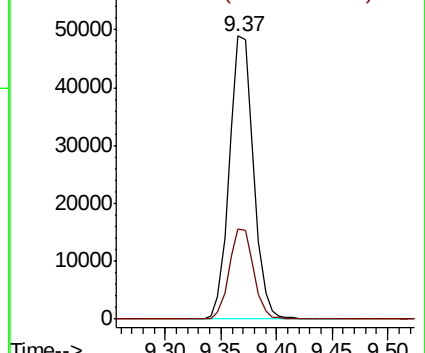
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 85.277 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008597.D

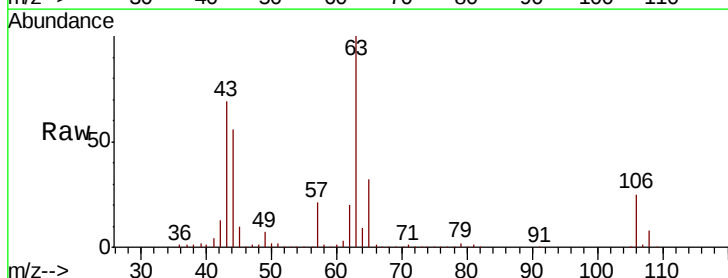
Acq: 02 Apr 2019 17:52

Tgt Ion: 63 Resp: 202730

Ion Ratio Lower Upper

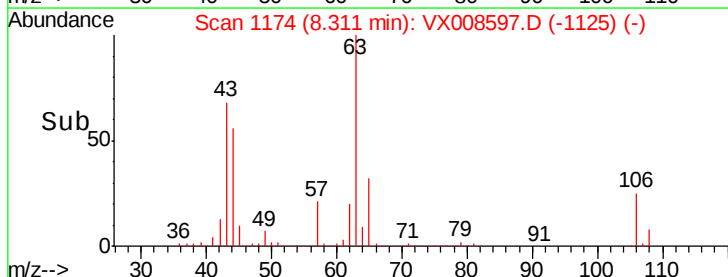
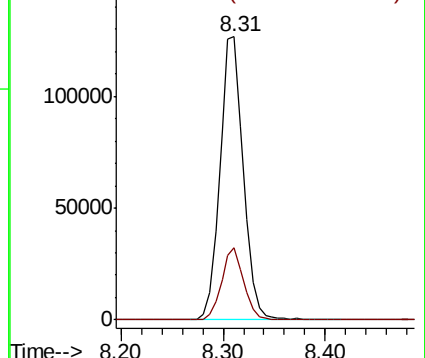
63 100

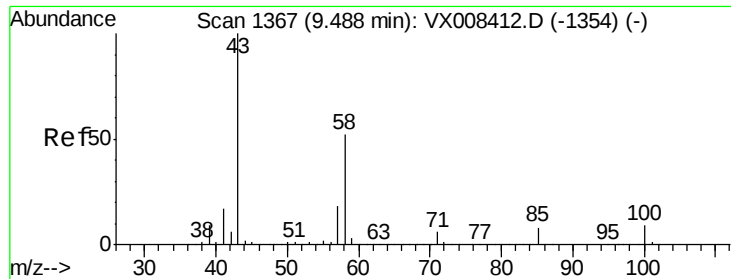
106 24.0 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

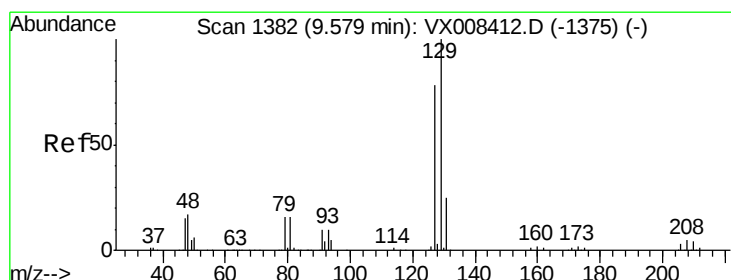
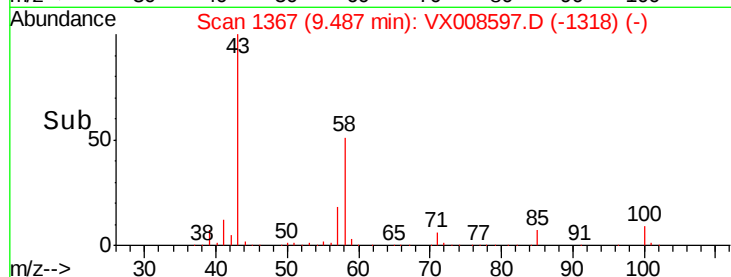
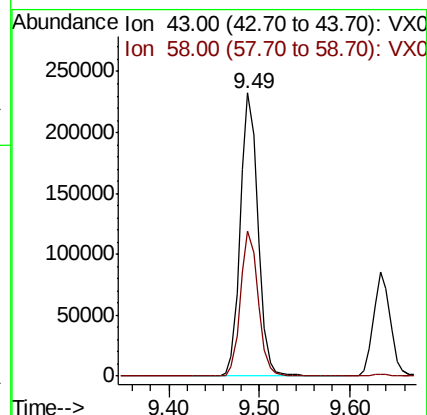
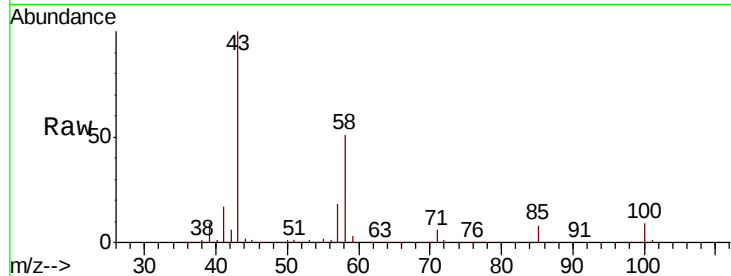




#59
2-Hexanone
Concen: 85.821 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

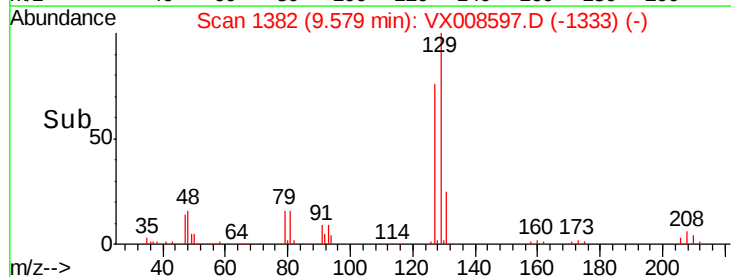
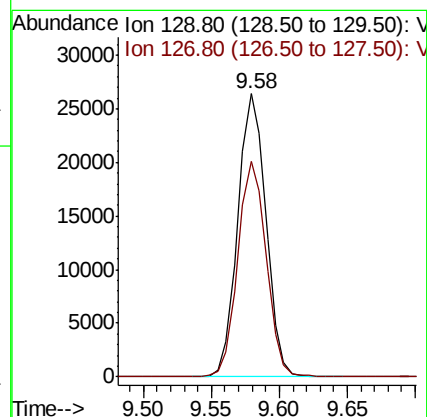
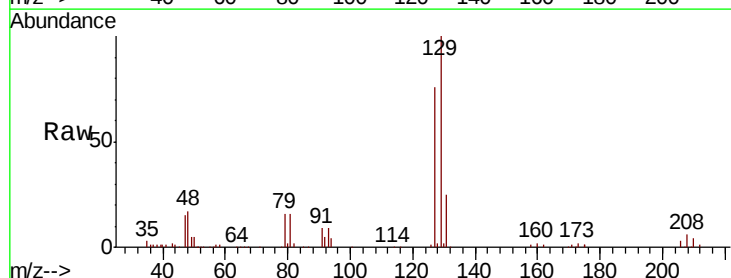
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

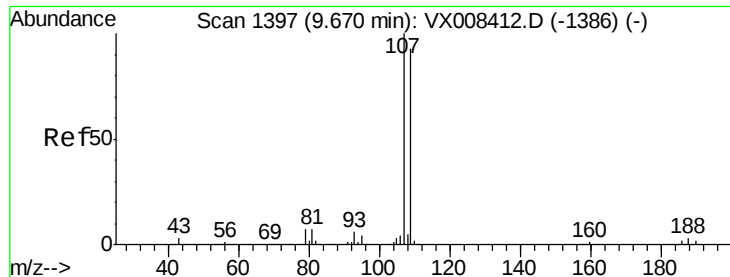
Tot Ion: 43 Resp: 312932
Ion Ratio Lower Upper
43 100
58 51.4 26.3 78.9



#60
Dibromochloromethane
Concen: 15.729 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:129 Resp: 38112
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 15.881 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

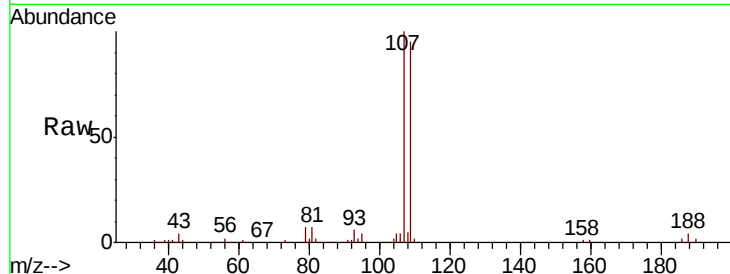
VX0402WBS02

Tot Ion:107 Resp: 41293

Ion Ratio Lower Upper

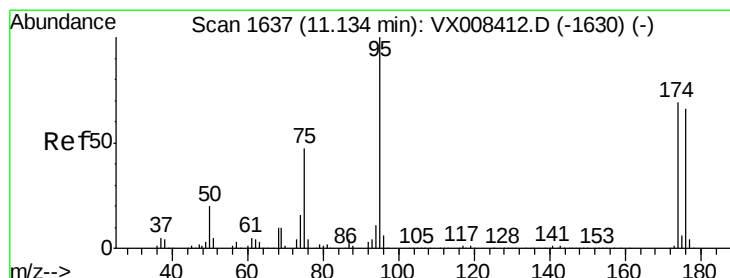
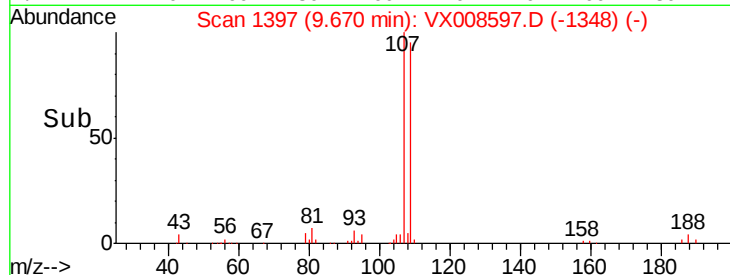
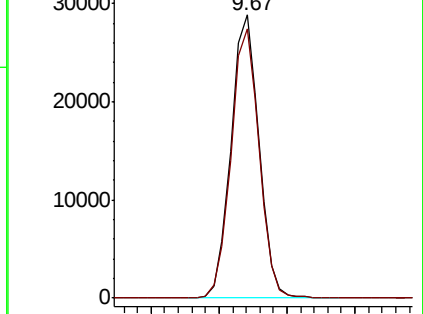
107 100

109 95.6 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.435 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

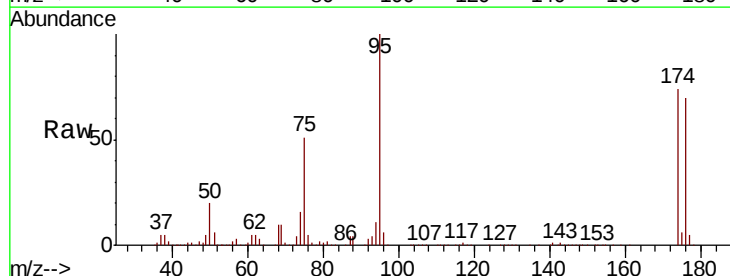
Tgt Ion: 95 Resp: 150291

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.2

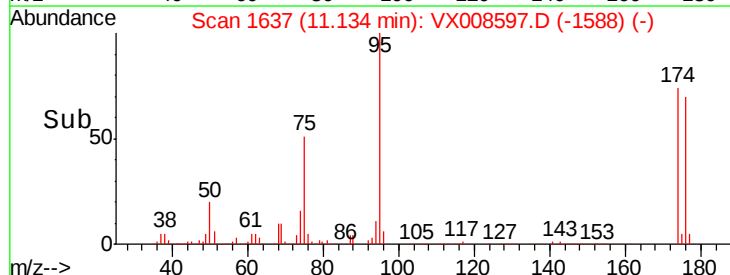
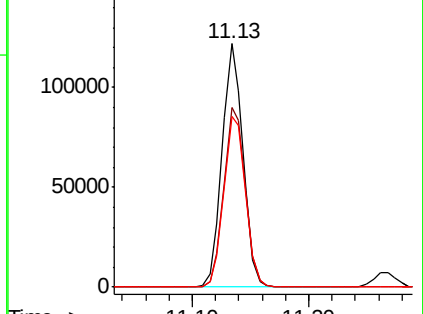
176 73.3 0.0 142.4

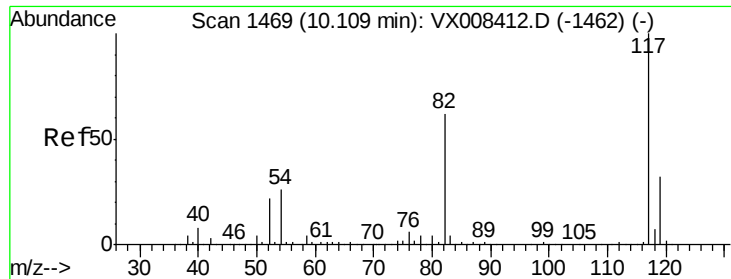


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

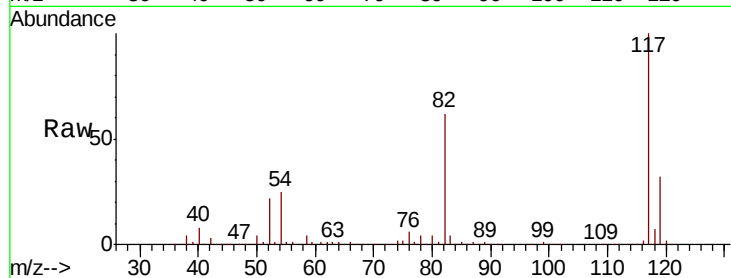




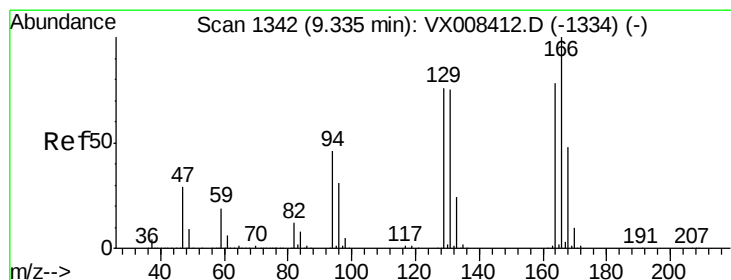
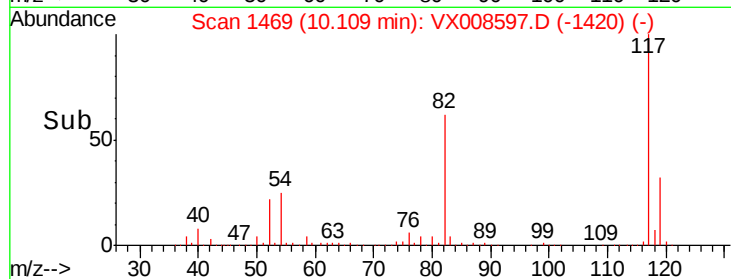
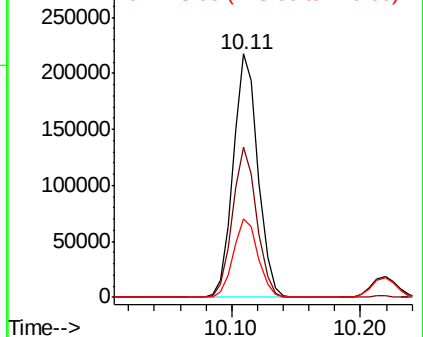
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion:117 Resp: 290502
Ion Ratio Lower Upper
117 100
82 61.5 49.4 74.2
119 32.1 25.4 38.0

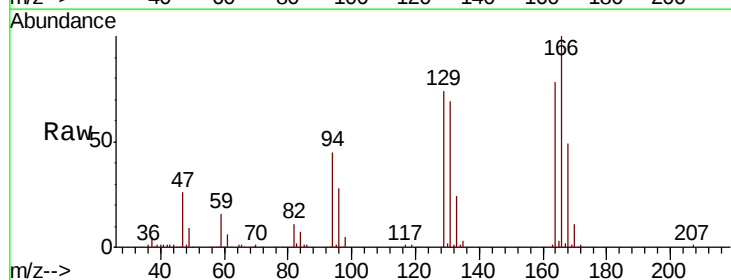


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

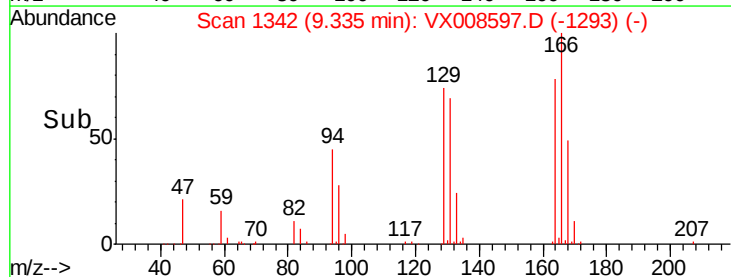
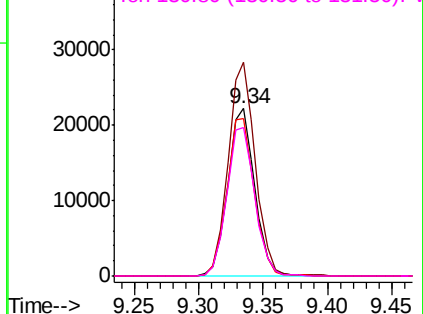


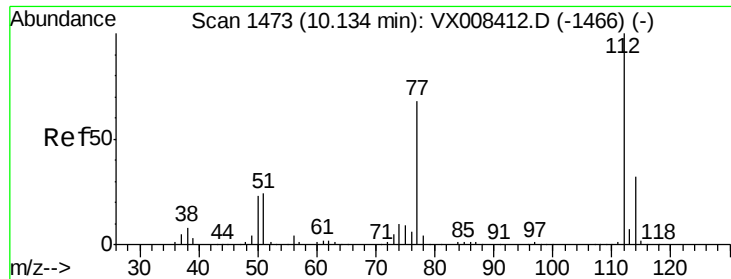
#64
Tetrachloroethene
Concen: 16.562 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:164 Resp: 32573
Ion Ratio Lower Upper
164 100
166 127.6 102.5 153.7
129 94.2 77.8 116.8
131 88.5 76.9 115.3



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

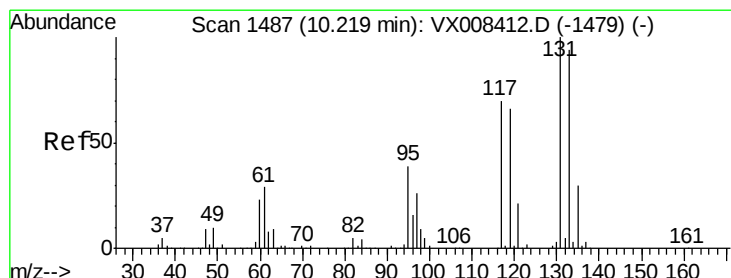
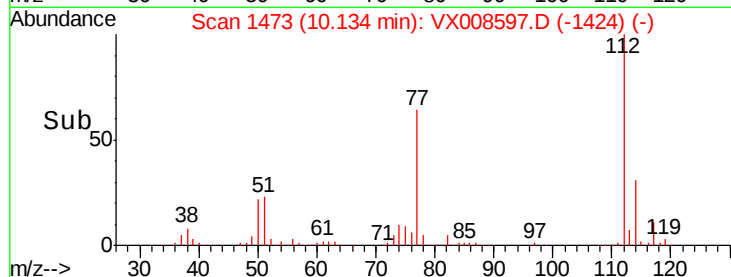
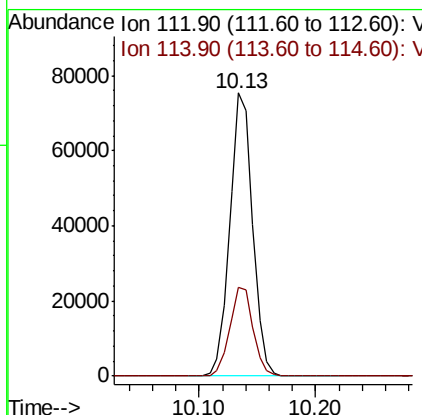
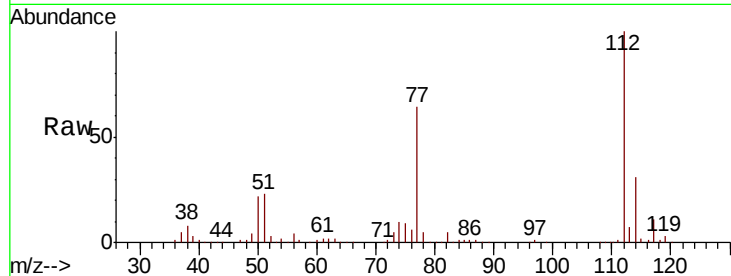




#65
Chlorobenzene
Concen: 16.249 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

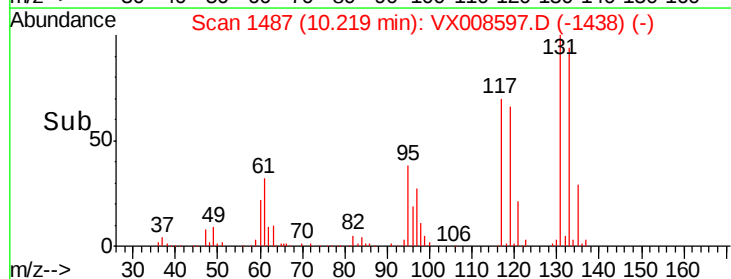
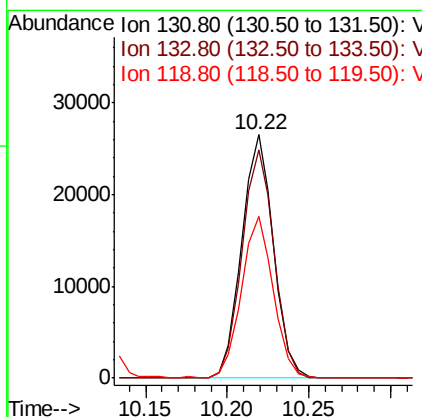
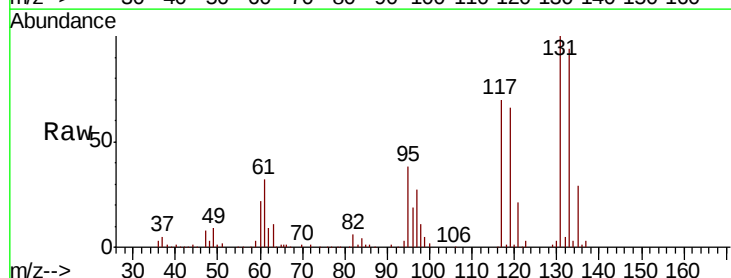
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

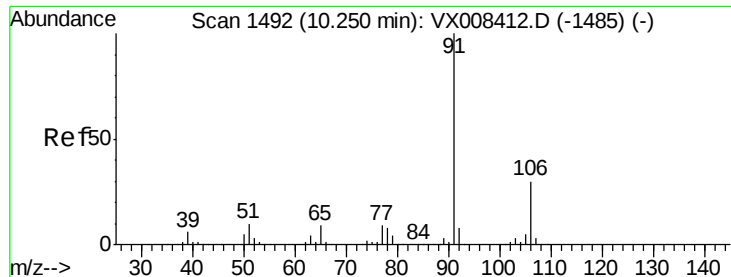
Tot Ion:112 Resp: 102656
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 16.443 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:131 Resp: 35840
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 67.2 33.6 100.6





#67

Ethyl Benzene

Concen: 16.103 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

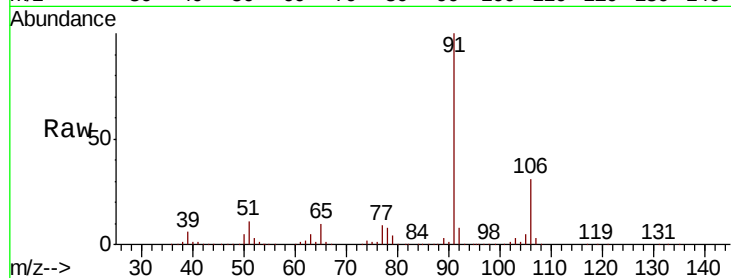
VX0402WBS02

Tot Ion: 91 Resp: 191998

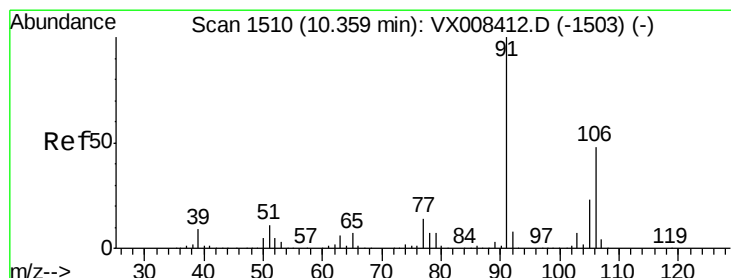
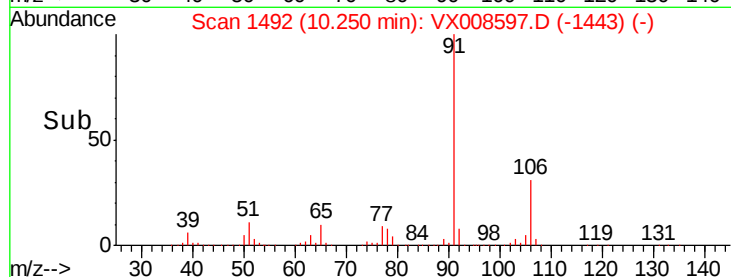
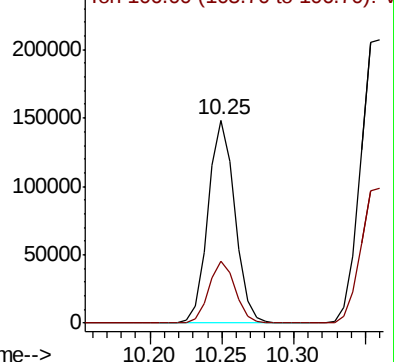
Ion Ratio Lower Upper

91 100

106 30.6 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1485) (-)



#68

m/p-Xylenes

Concen: 32.303 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008597.D

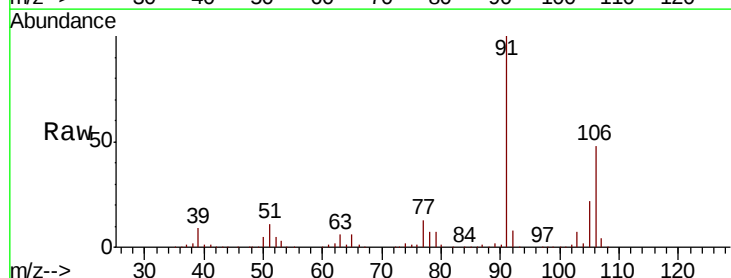
Acq: 02 Apr 2019 17:52

Tgt Ion: 106 Resp: 140116

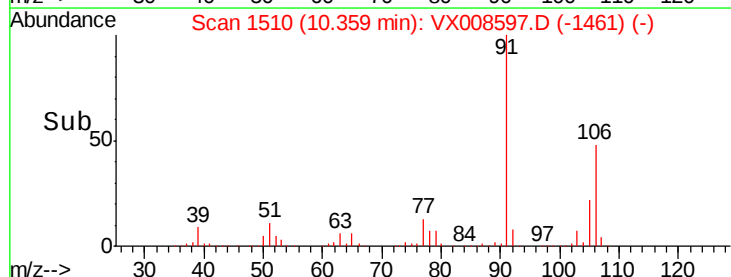
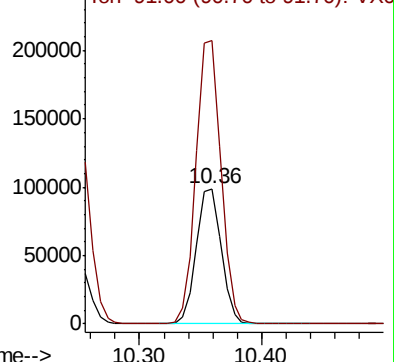
Ion Ratio Lower Upper

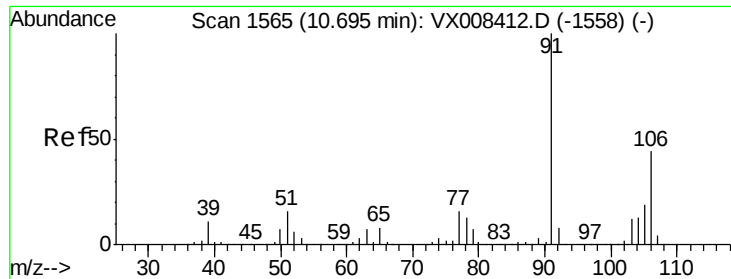
106 100

91 209.6 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): VX008412.D (-1503) (-)

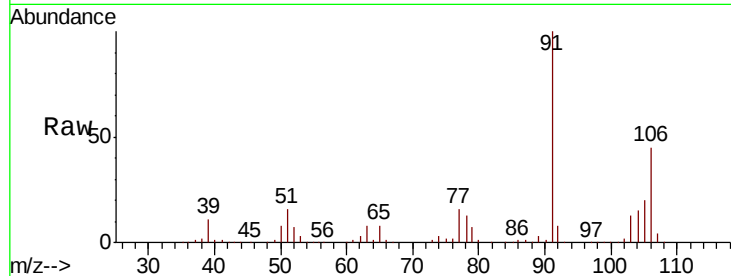




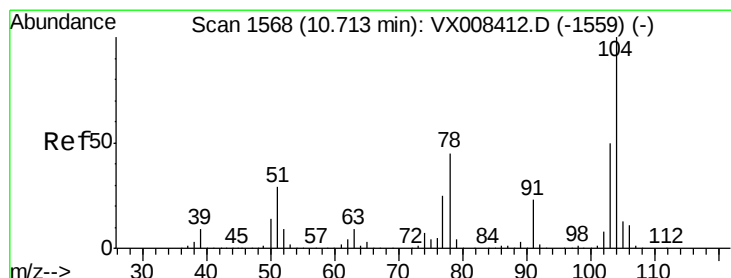
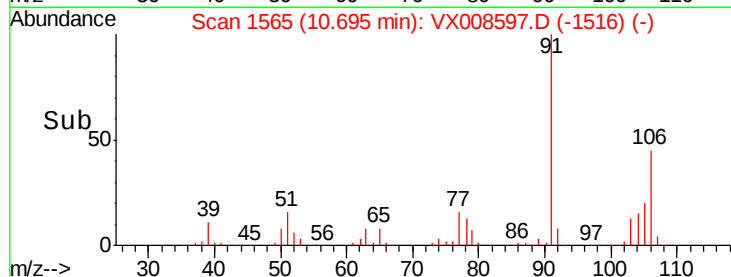
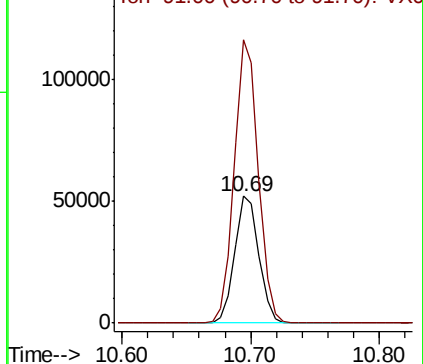
#69
o-Xylene
Concen: 16.230 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion:106 Resp: 68318
Ion Ratio Lower Upper
106 100
91 221.1 111.4 334.2

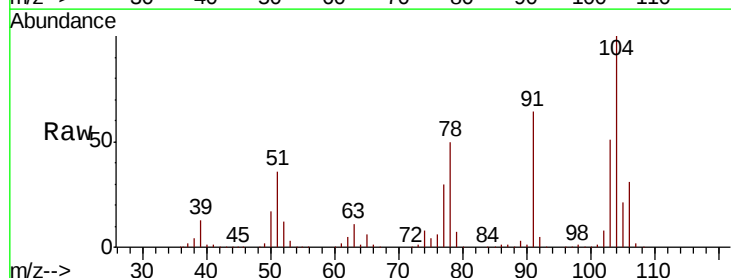


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

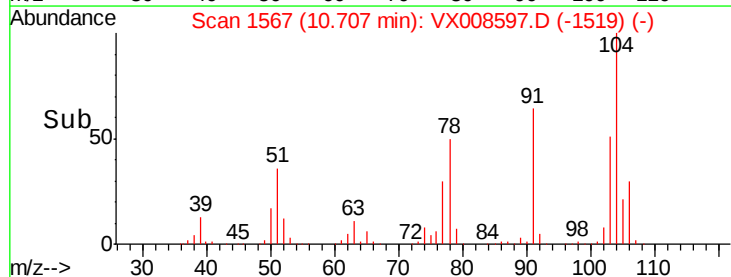
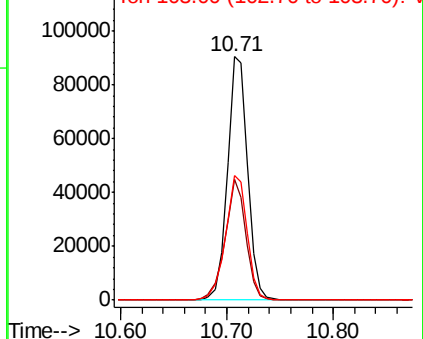


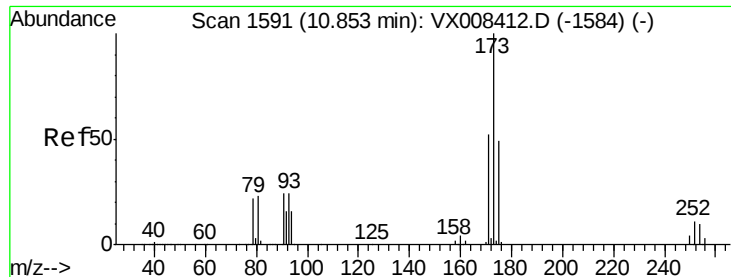
#70
Styrene
Concen: 16.537 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:104 Resp: 120238
Ion Ratio Lower Upper
104 100
78 51.1 42.5 63.7
103 54.7 44.2 66.4



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





#71

Bromoform

Concen: 15.670 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

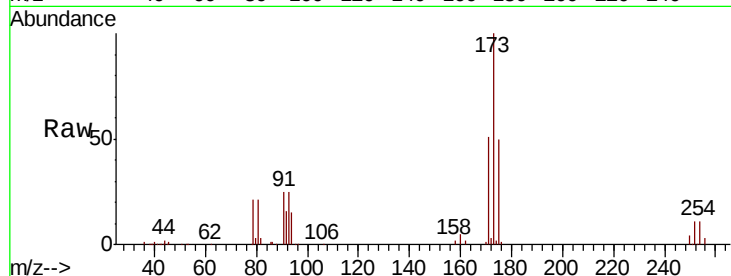
Tot Ion:173 Resp: 26973

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

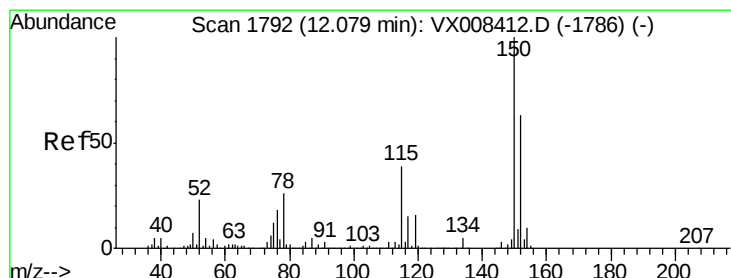
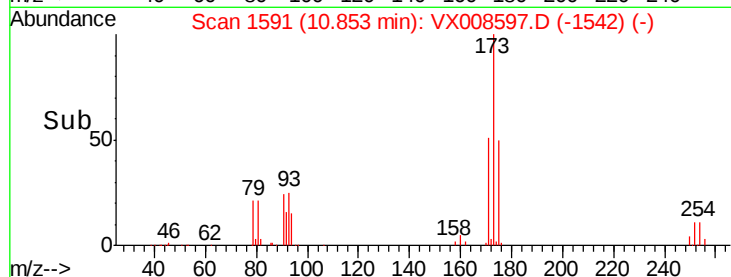
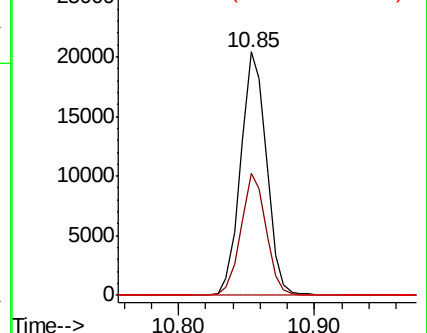
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

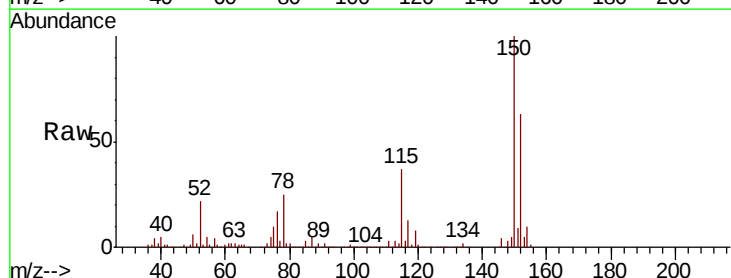
Tgt Ion:152 Resp: 138535

Ion Ratio Lower Upper

152 100

115 69.0 43.5 130.5

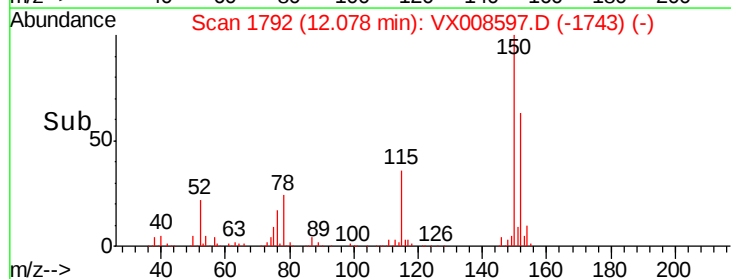
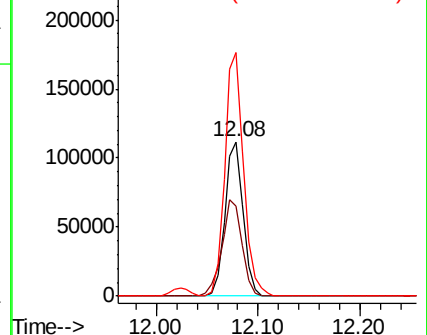
150 163.1 0.0 348.8

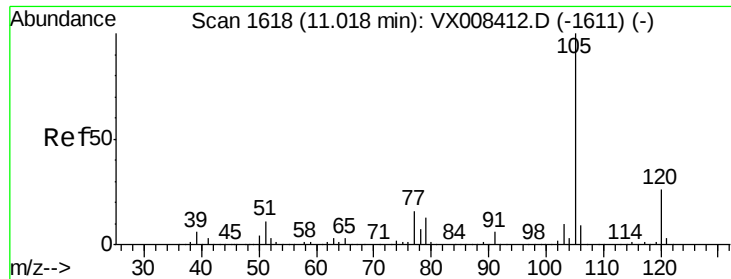


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

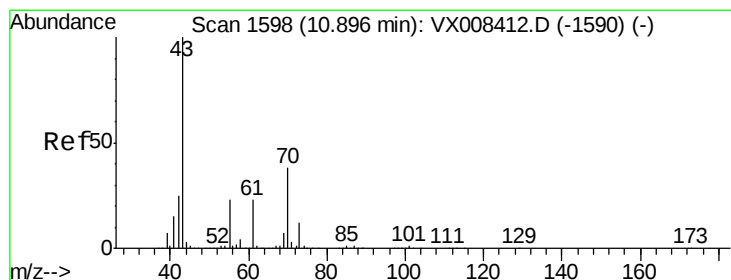
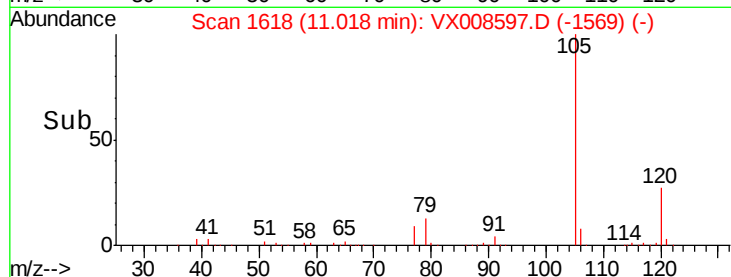
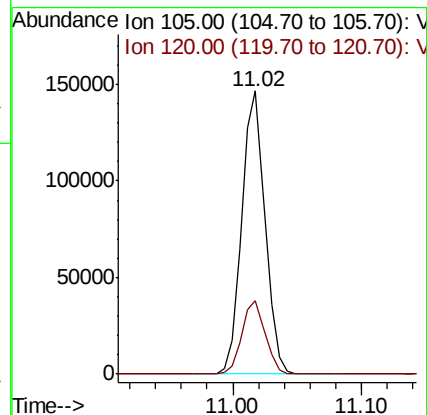
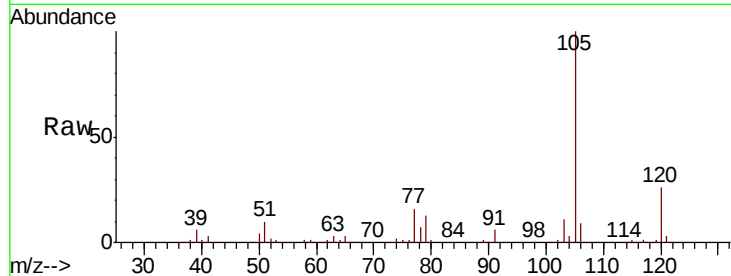
VX0402WBS02

Tot Ion:105 Resp: 183688

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7



#74

N-ethyl acetate

Concen: 16.169 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion: 43 Resp: 105479

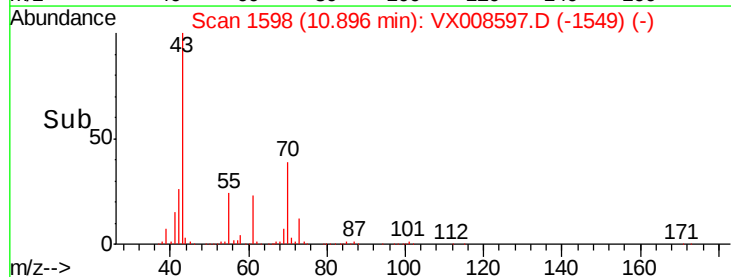
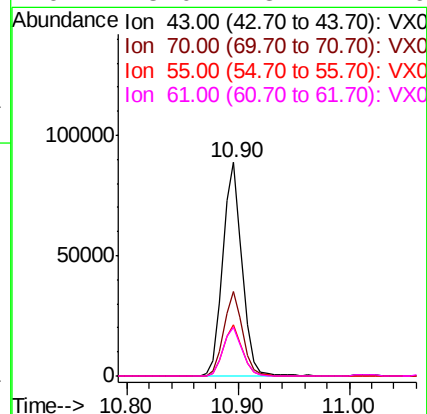
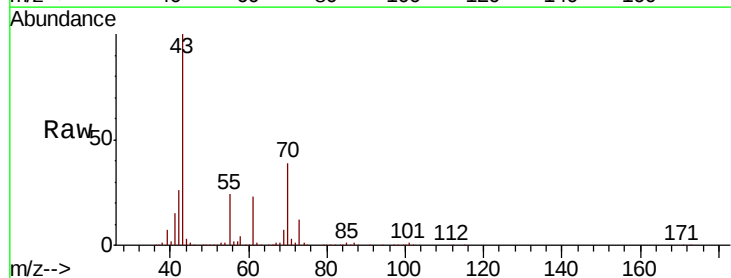
Ion Ratio Lower Upper

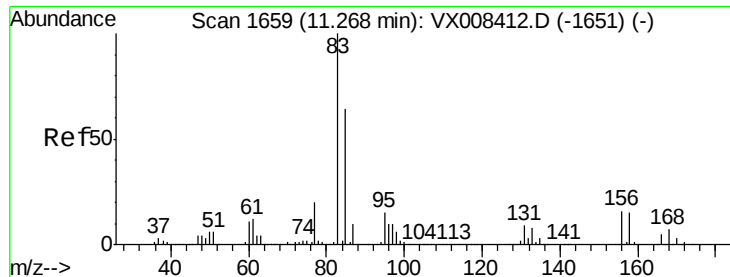
43 100

70 38.7 30.5 45.7

55 23.4 18.2 27.2

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 15.972 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

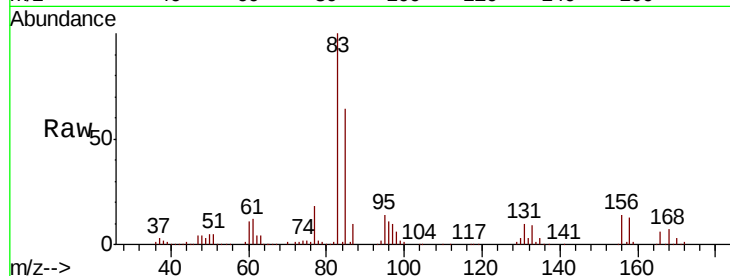
Tot Ion: 83 Resp: 69845

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.4

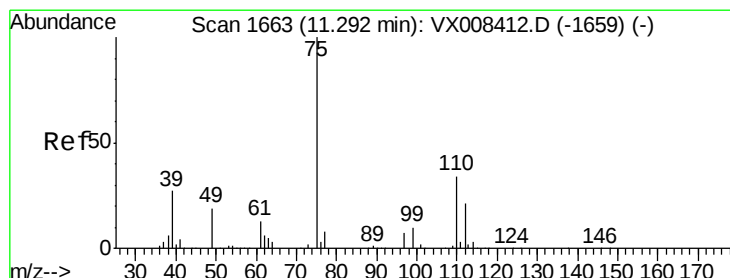
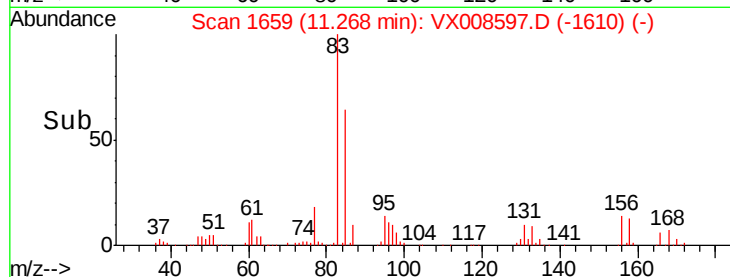
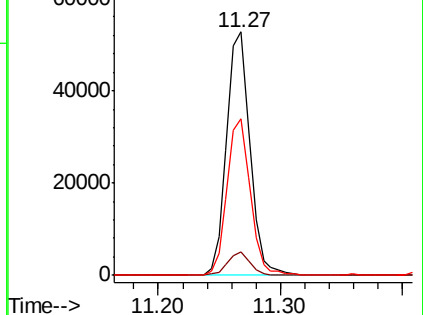
85 64.0 31.9 95.9



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: 18.828 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008597.D

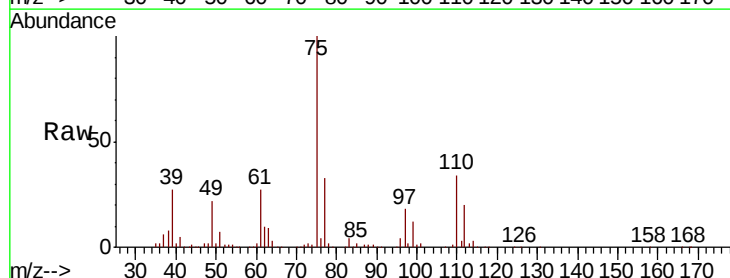
Acq: 02 Apr 2019 17:52

Tgt Ion: 75 Resp: 77545

Ion Ratio Lower Upper

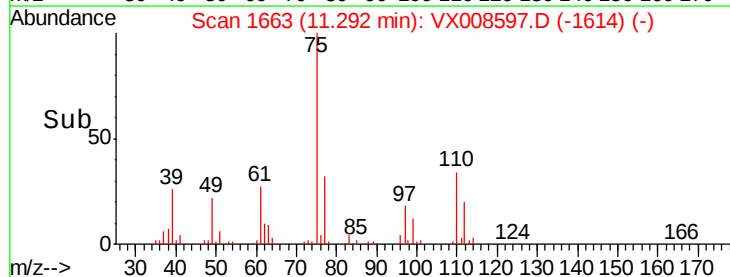
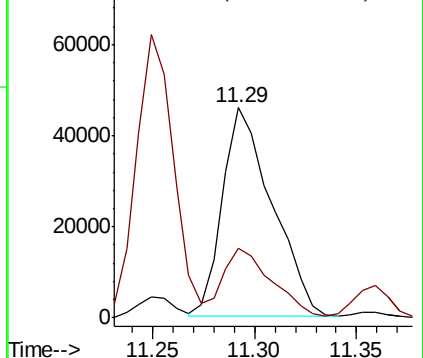
75 100

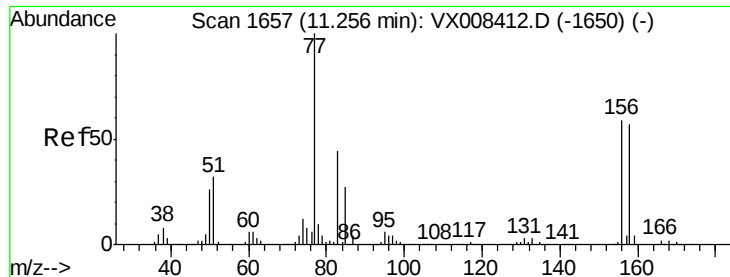
77 33.0 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 15.886 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

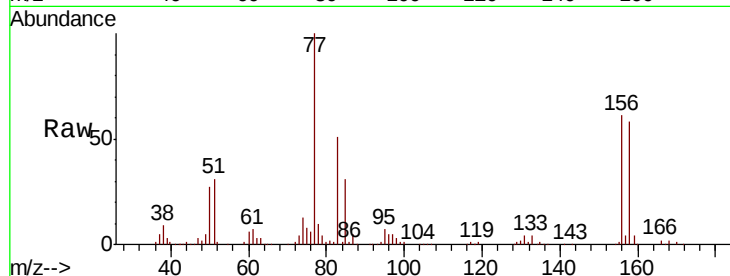
Tot Ion:156 Resp: 43454

Ion Ratio Lower Upper

156 100

77 181.8 91.1 273.3

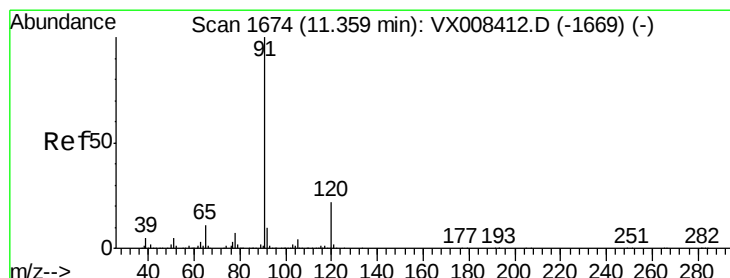
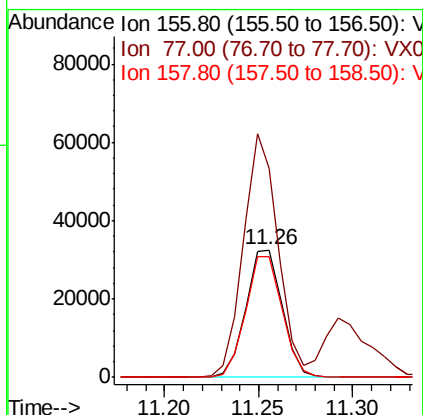
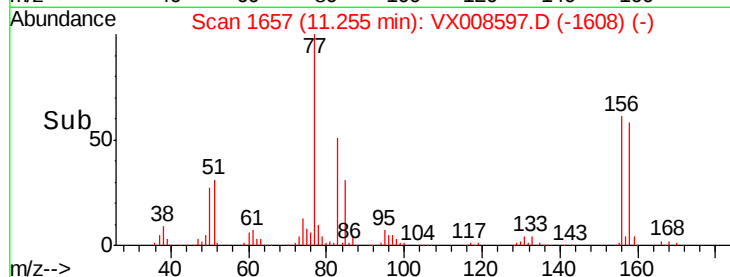
158 96.2 48.3 144.8



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: 16.248 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008597.D

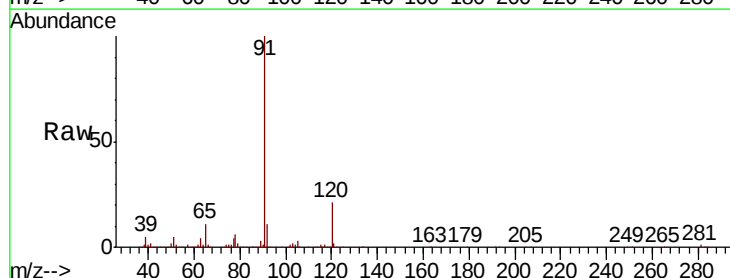
Acq: 02 Apr 2019 17:52

Tgt Ion: 91 Resp: 214515

Ion Ratio Lower Upper

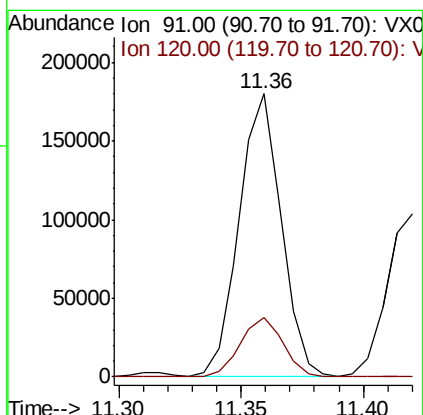
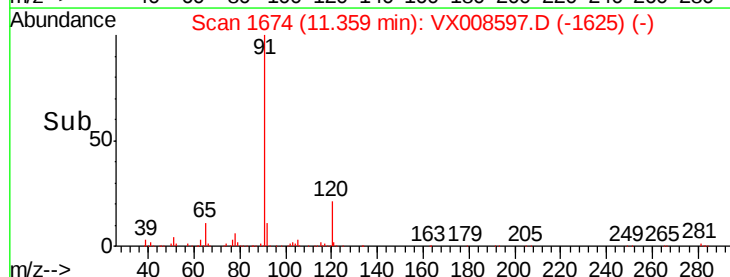
91 100

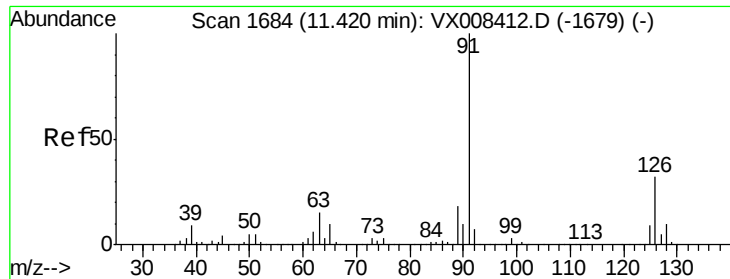
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

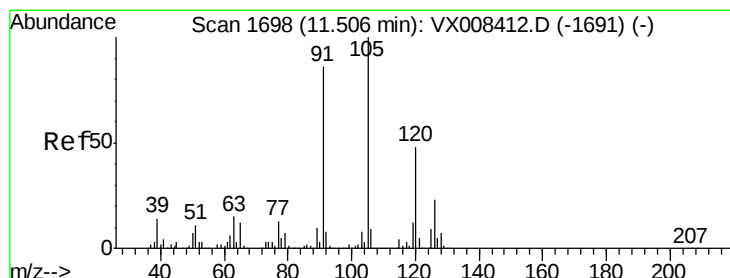
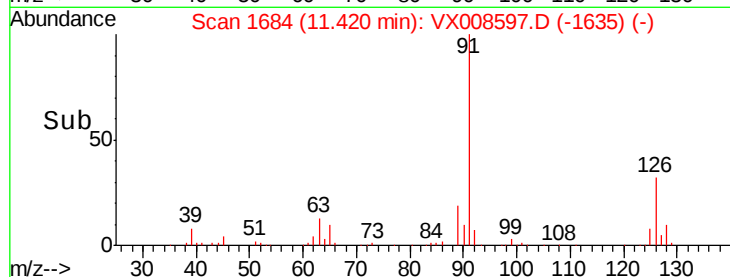
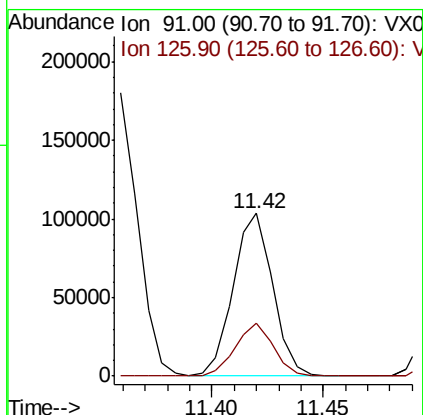
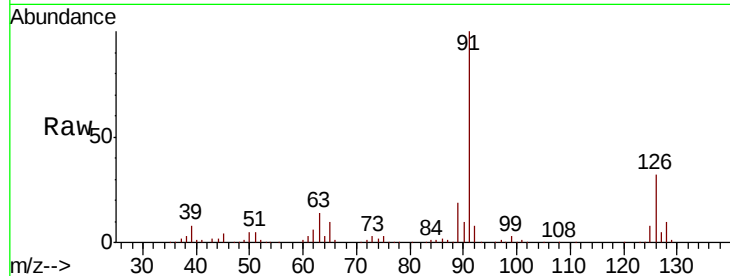




#79
 2-Chlorotoluene
 Concen: 15.846 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

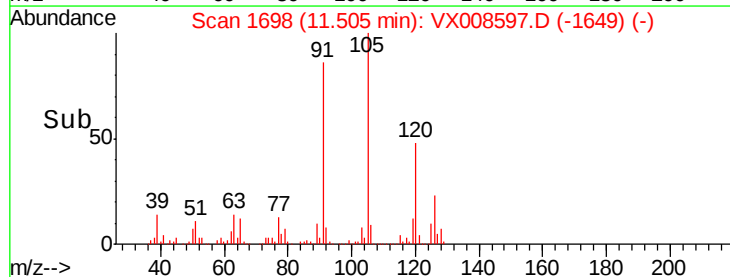
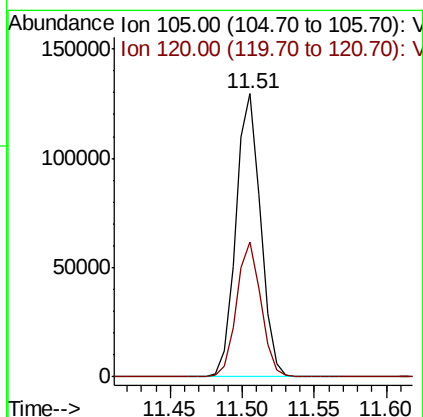
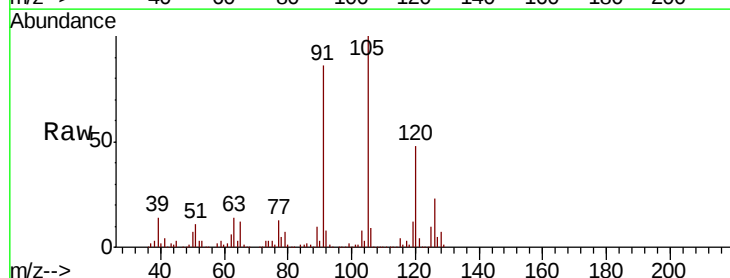
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

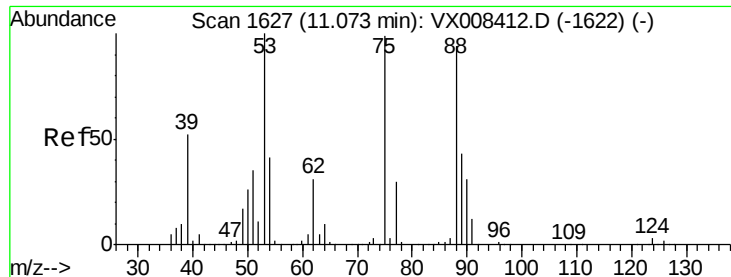
Tot Ion: 91 Resp: 127251
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 16.281 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 105 Resp: 155127
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 15.933 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

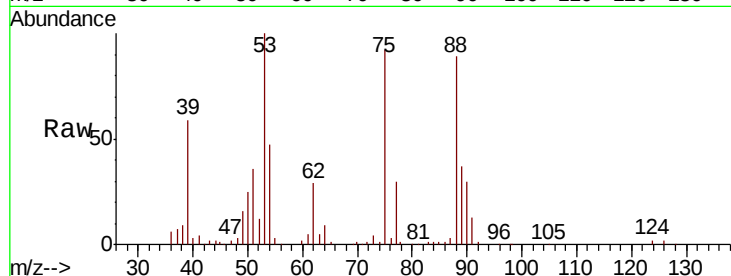
Tot Ion: 75 Resp: 20488

Ion Ratio Lower Upper

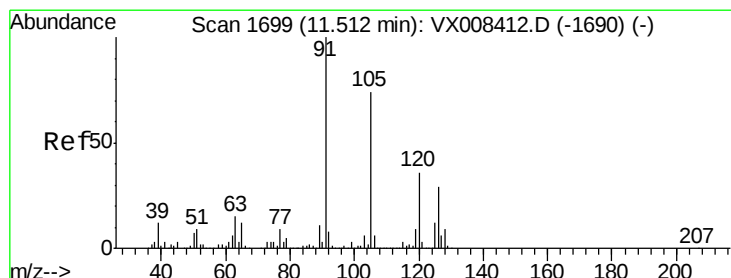
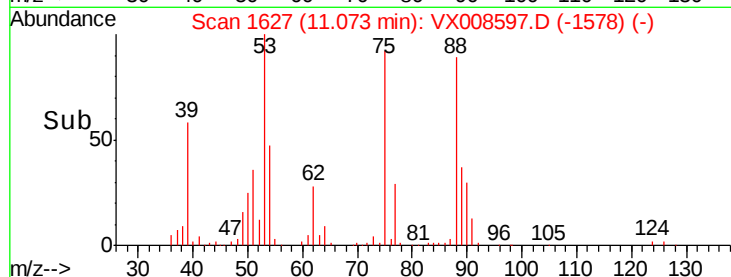
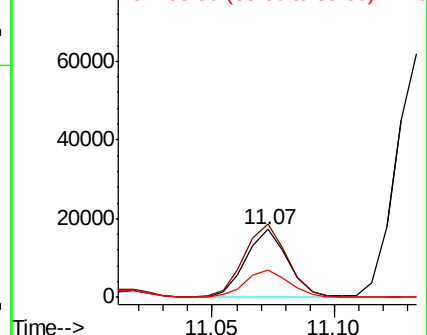
75 100

53 111.0 82.1 123.1

89 42.3 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 15.774 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008597.D

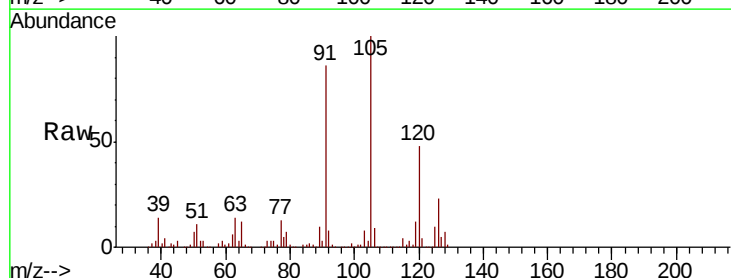
Acq: 02 Apr 2019 17:52

Tgt Ion: 91 Resp: 146112

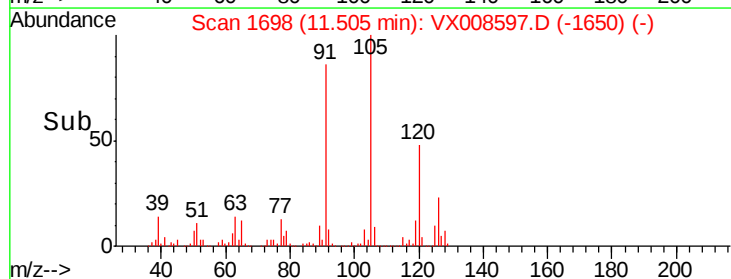
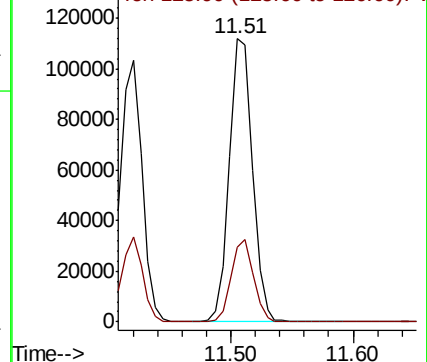
Ion Ratio Lower Upper

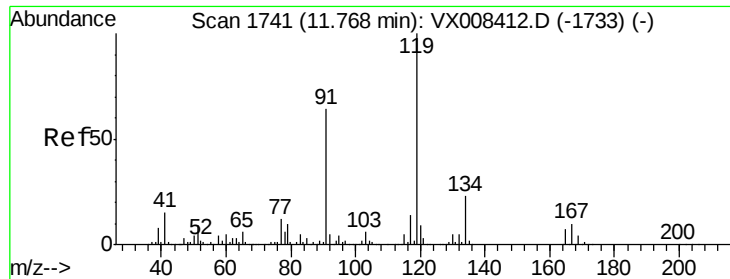
91 100

126 27.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

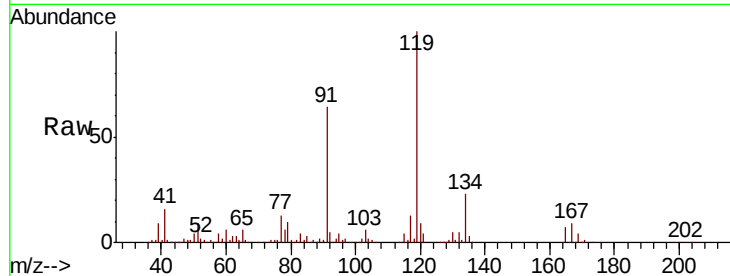




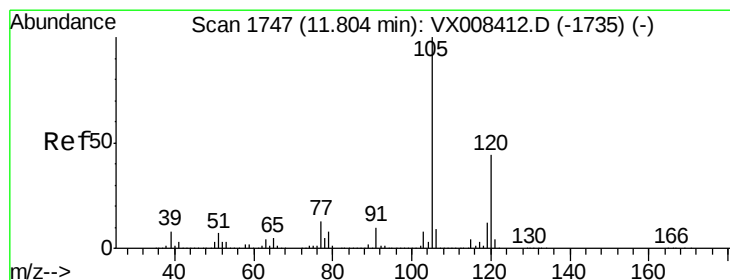
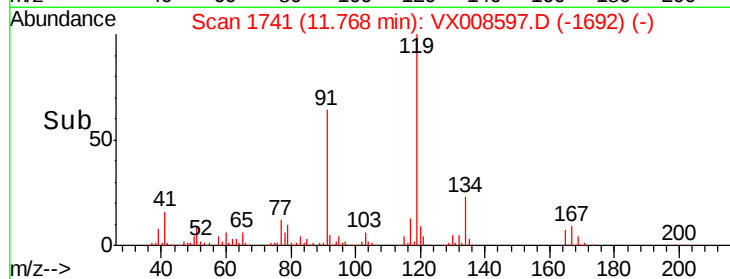
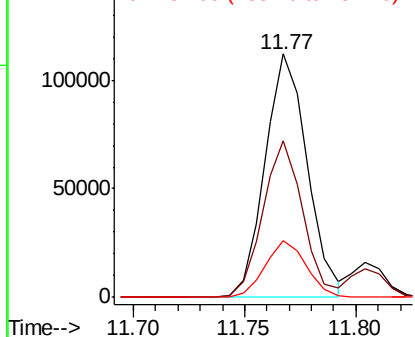
#83
 tert-Butylbenzene
 Concen: 16.047 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion:119 Resp: 147523
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.1 90.3
 134 22.6 10.9 32.9

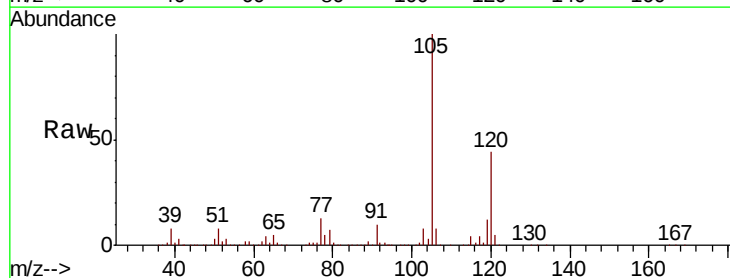


Abundance Ion 119.00 (118.70 to 119.70): V
 150000 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

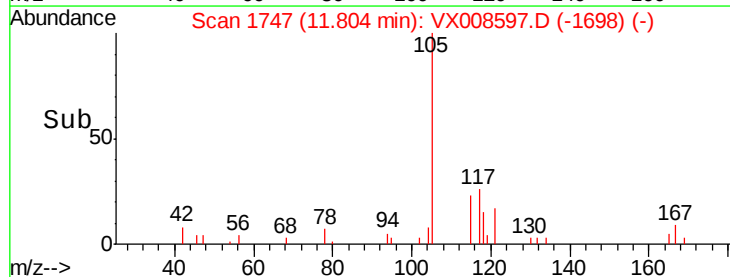
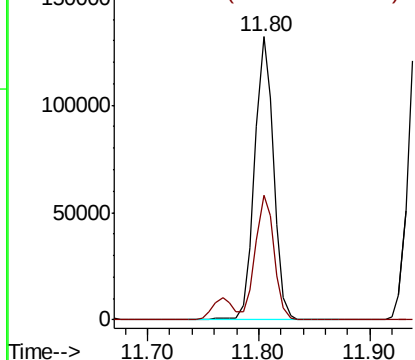


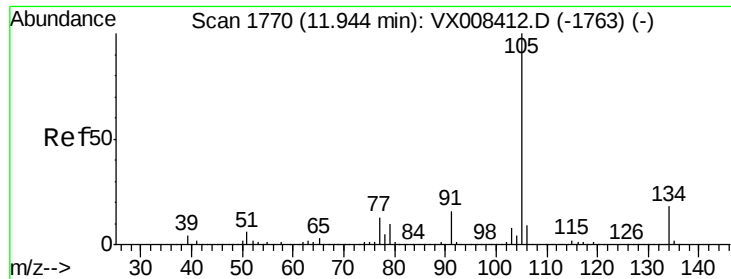
#84
 1,2,4-Trimethylbenzene
 Concen: 16.221 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion:105 Resp: 156332
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V
 150000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.556 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

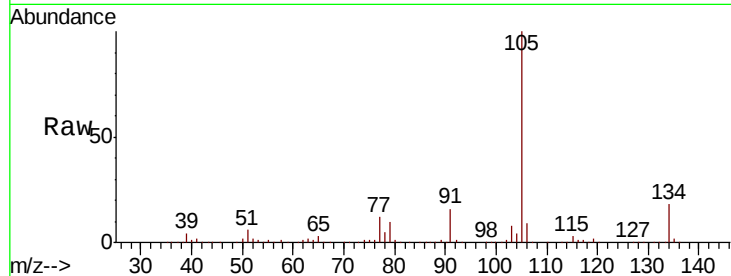
VX0402WBS02

Tot Ion:105 Resp: 181245

Ion Ratio Lower Upper

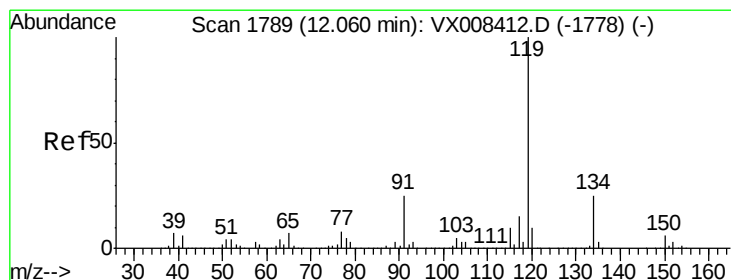
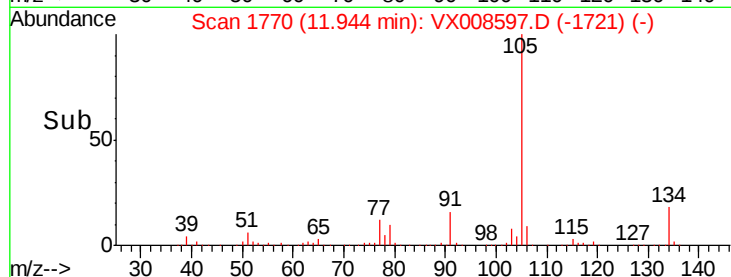
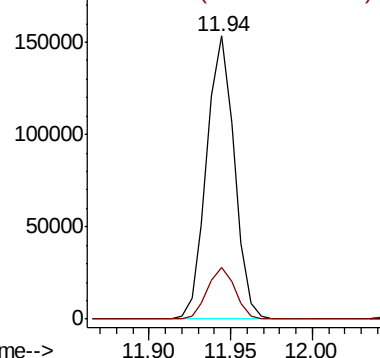
105 100

134 18.4 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.653 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

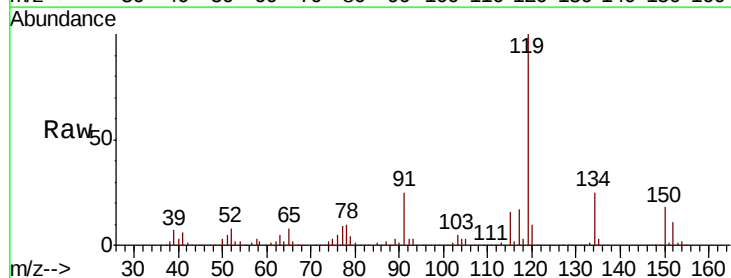
Tgt Ion:119 Resp: 160867

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

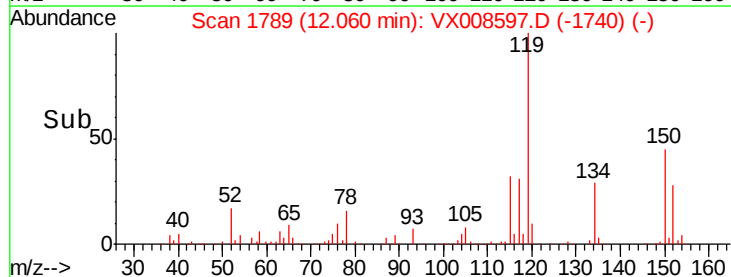
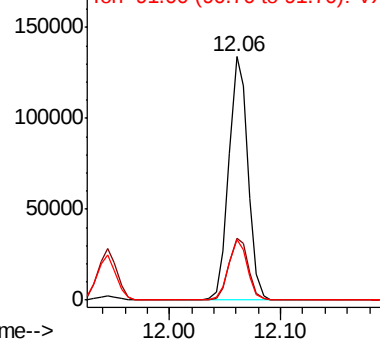
91 24.5 12.4 37.0

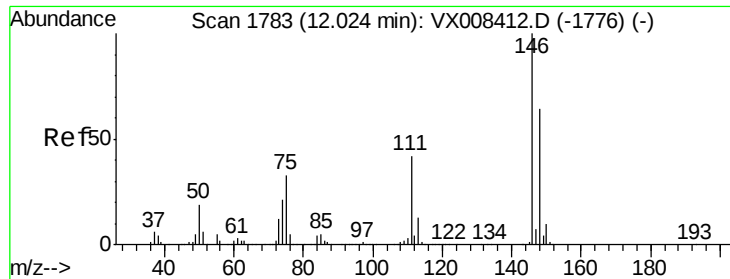


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

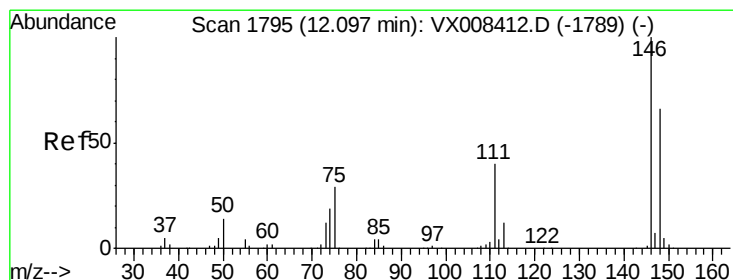
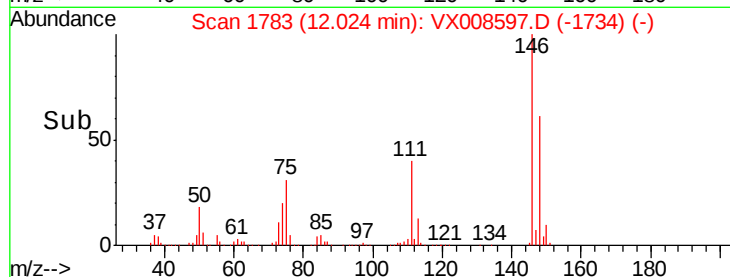
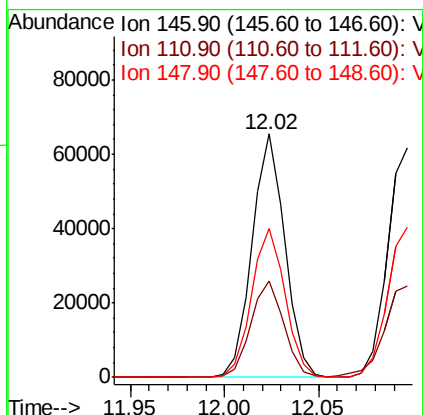
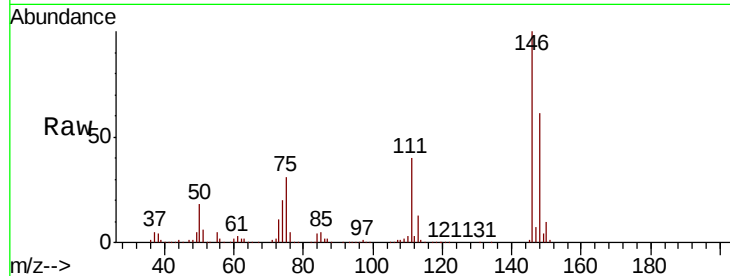




#87
 1,3-Dichlorobenzene
 Concen: 16.151 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

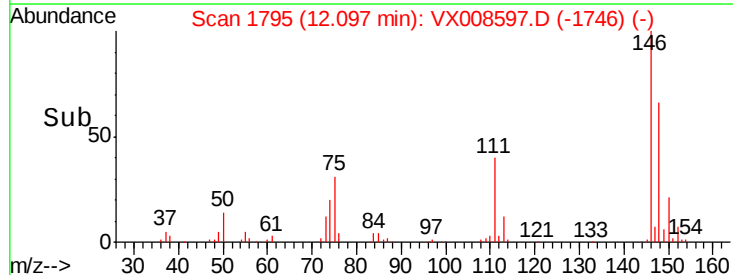
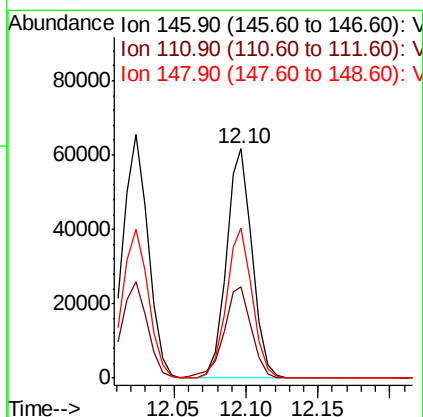
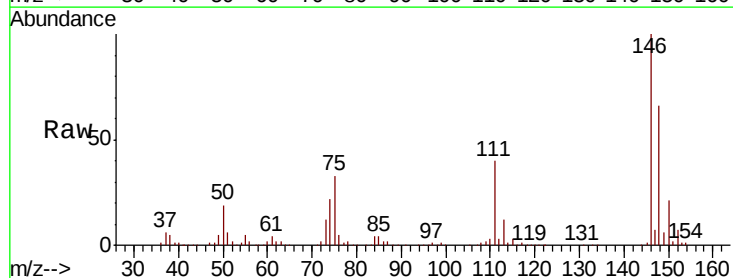
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

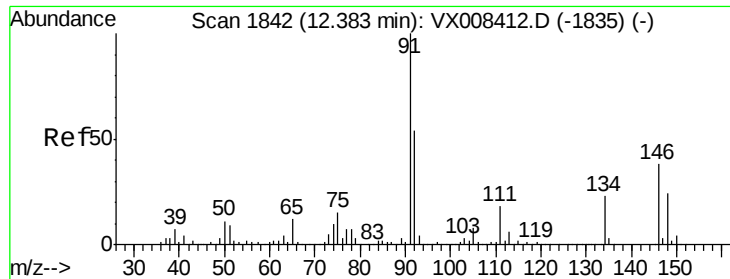
Tot Ion:146 Resp: 78932
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.8 62.5
 148 62.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 15.690 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion:146 Resp: 77390
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.3 61.0
 148 65.6 32.1 96.5





#89

n-Butylbenzene

Concen: 16.192 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

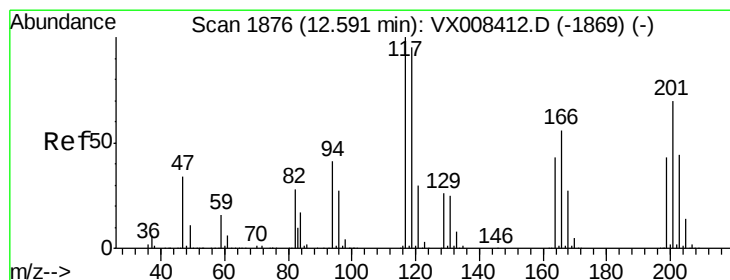
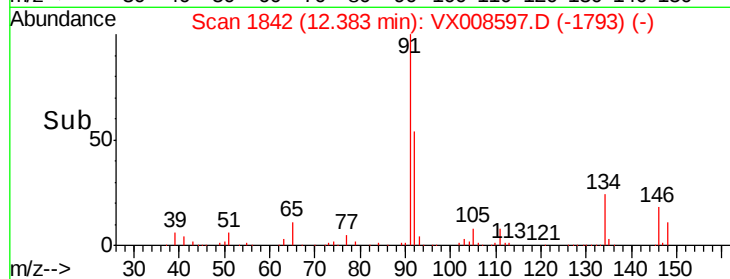
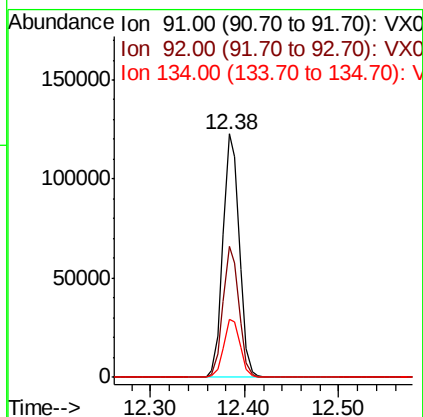
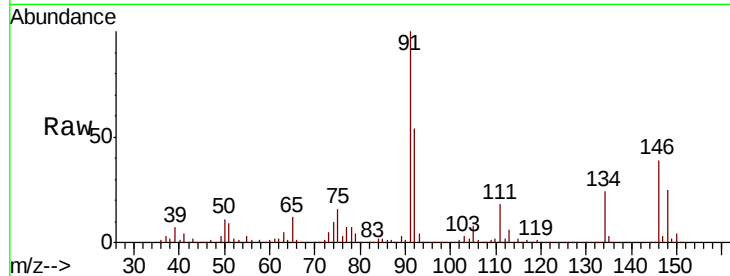
Tot Ion: 91 Resp: 148167

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.5

134 23.9 11.8 35.4



#90

Hexachloroethane

Concen: 16.242 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX008597.D

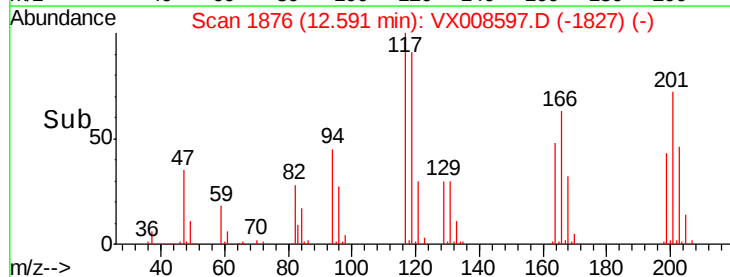
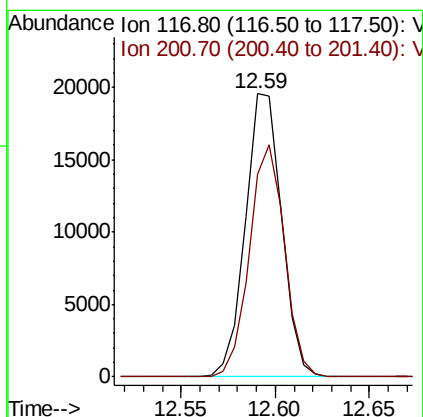
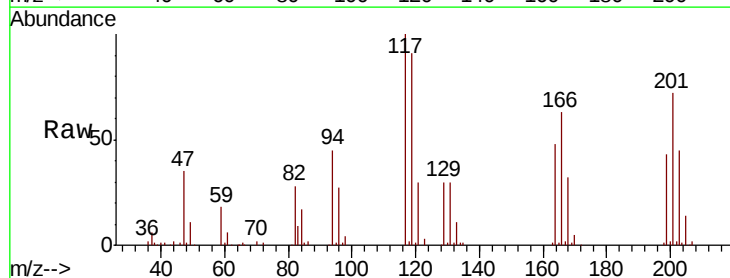
Acq: 02 Apr 2019 17:52

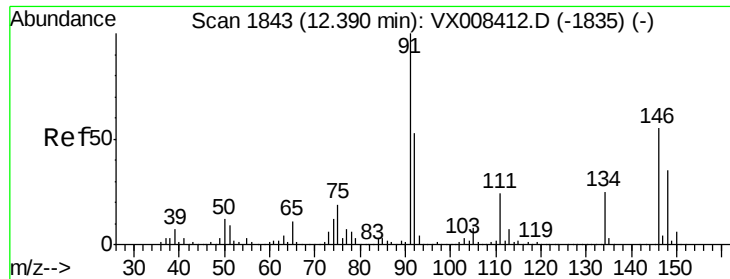
Tgt Ion: 117 Resp: 26139

Ion Ratio Lower Upper

117 100

201 78.8 39.4 118.1

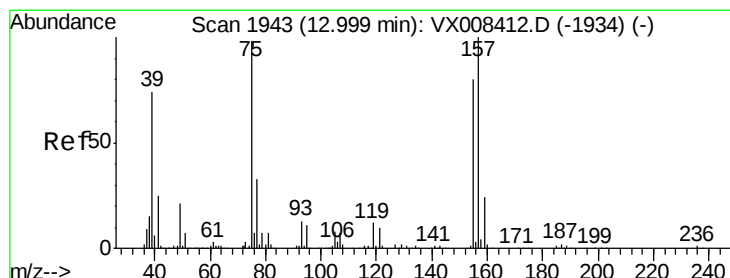
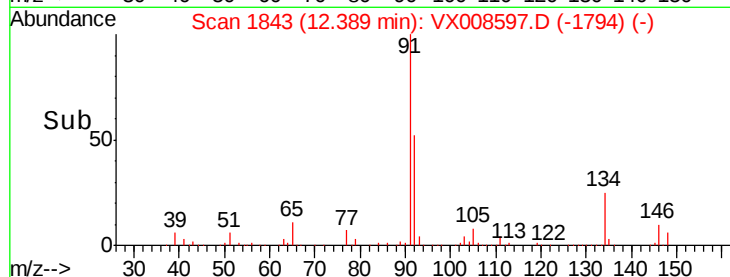
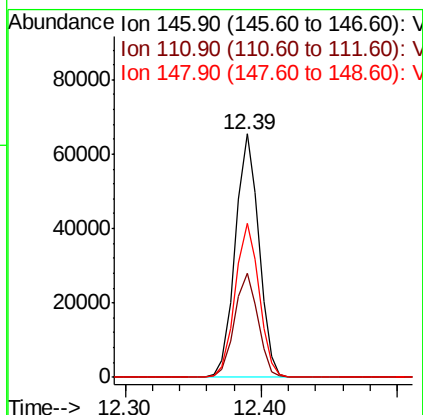
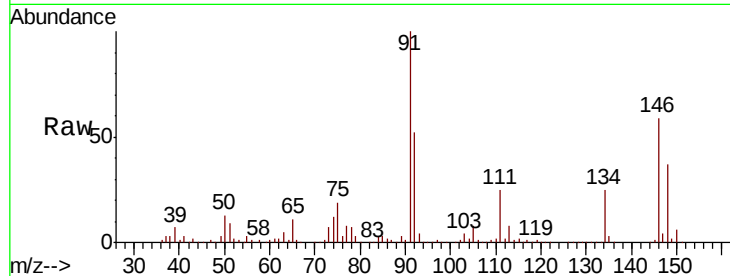




#91
 1,2-Dichlorobenzene
 Concen: 16.174 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

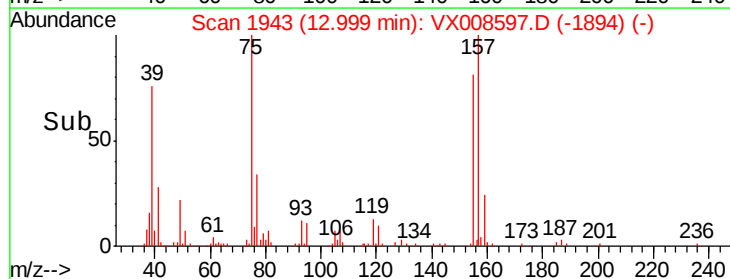
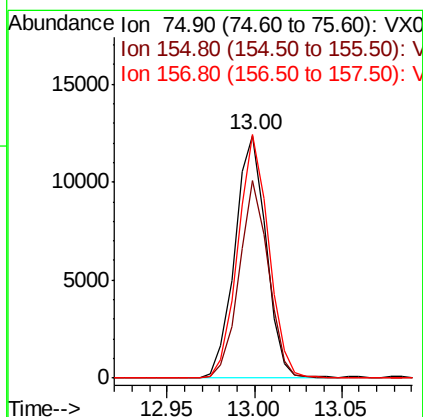
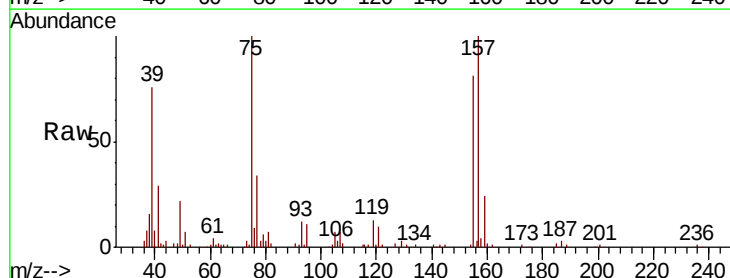
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

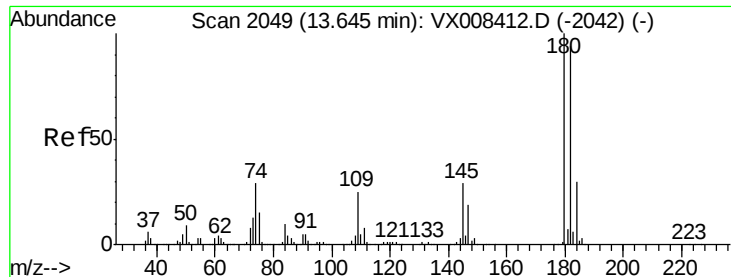
Tot Ion:146 Resp: 79161
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.6 64.6
 148 64.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.087 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 75 Resp: 15339
 Ion Ratio Lower Upper
 75 100
 155 76.5 39.5 118.5
 157 99.0 49.9 149.7

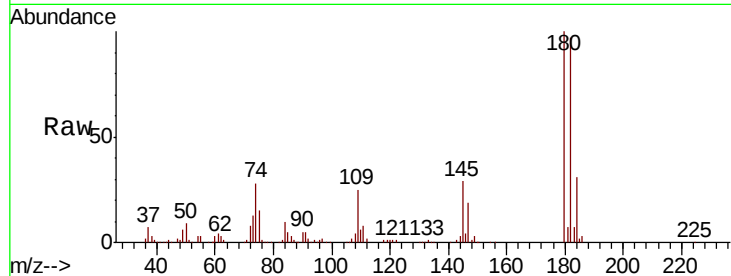




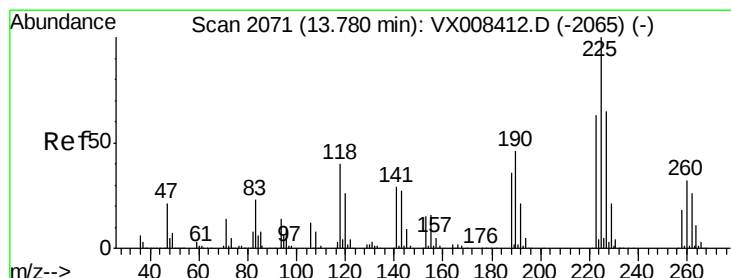
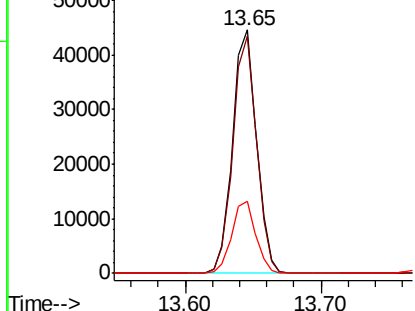
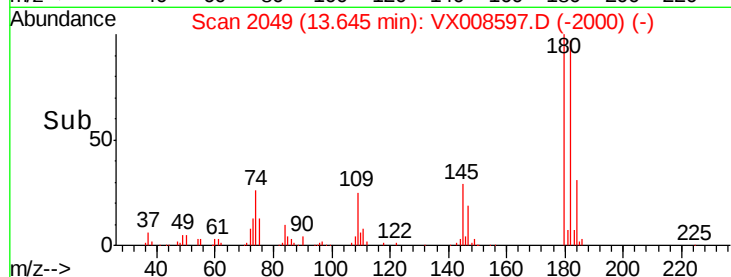
#93
 1,2,4-Trichlorobenzene
 Concen: 16.627 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion:180 Resp: 54787
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 142.0
 145 29.7 15.3 45.8

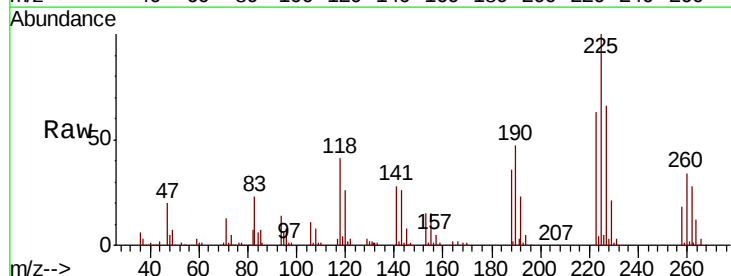


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

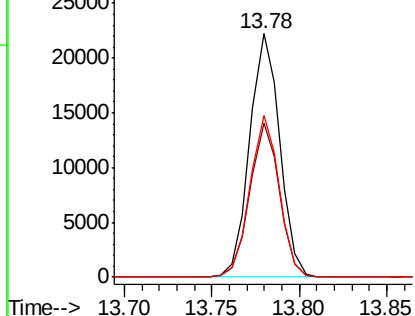
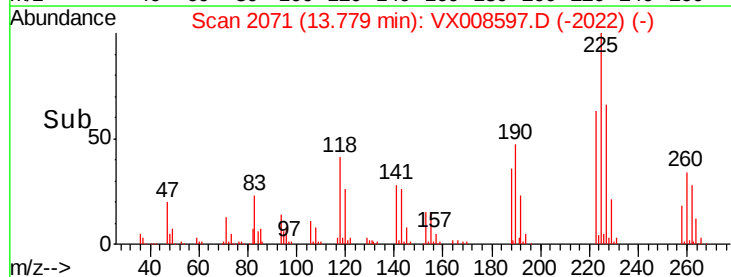


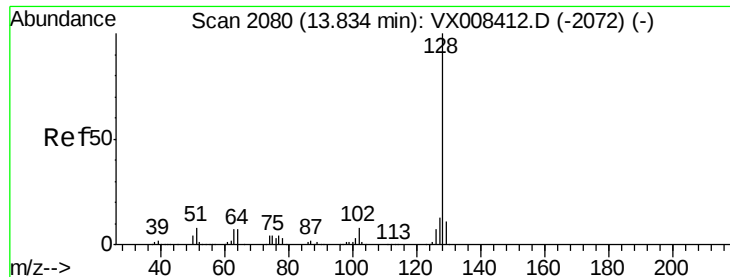
#94
 Hexachlorobutadiene
 Concen: 17.062 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion:225 Resp: 26695
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.0
 227 64.6 31.9 95.9



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





#95

Naphthalene

Concen: 16.639 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

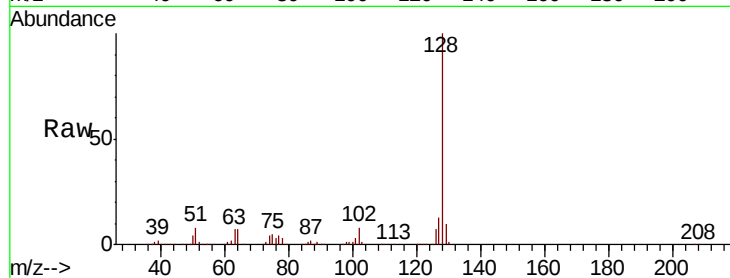
Tot Ion:128 Resp: 187966

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

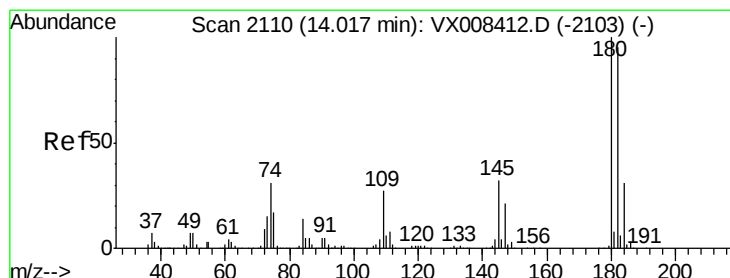
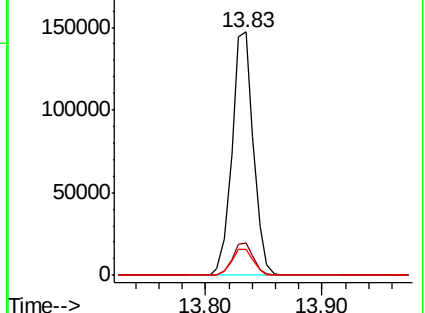
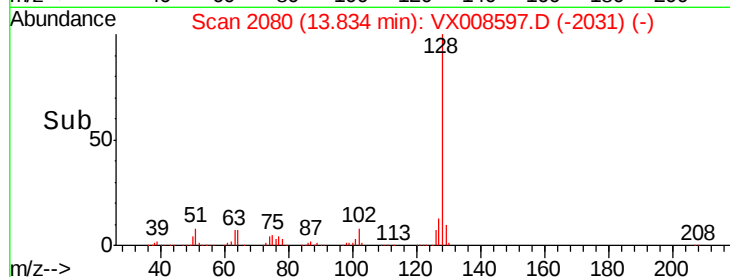
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.850 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

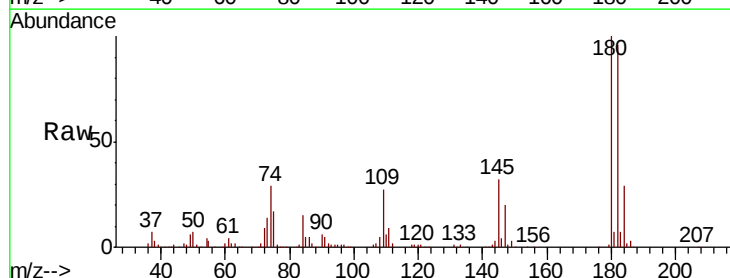
Tgt Ion:180 Resp: 55791

Ion Ratio Lower Upper

180 100

182 96.5 47.3 142.0

145 32.1 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

