

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008562.D
 Acq On : 01 Apr 2019 12:29
 Operator : JC/SP
 Sample : VX0401WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

Quant Time: Apr 02 01:09:57 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	189587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	315303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	143116	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.49	113	106044	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	8.71	98	425928	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.13	95	159098	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34811	15.577	ug/l	100
3) Chloromethane	1.32	50	48493	16.767	ug/l	97
4) Vinyl Chloride	1.40	62	48527	15.552	ug/l	98
5) Bromomethane	1.64	94	22121	14.827	ug/l	98
6) Chloroethane	1.72	64	30022	16.242	ug/l	98
7) Trichlorofluoromethane	1.93	101	57882	16.379	ug/l	98
8) Diethyl Ether	2.18	74	27151	16.235	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36050	16.880	ug/l	99
10) Methyl Iodide	2.51	142	25275	15.288	ug/l	99
11) Tert butyl alcohol	3.04	59	57508	90.308	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35407	16.053	ug/l	97
13) Acrolein	2.29	56	29086	62.897	ug/l	100
14) Allyl chloride	2.73	41	83245	17.131	ug/l	99
15) Acrylonitrile	3.14	53	143626	86.014	ug/l	100
16) Acetone	2.44	43	128764	85.717	ug/l	99
17) Carbon Disulfide	2.57	76	101583	15.790	ug/l	99
18) Methyl Acetate	2.77	43	63961	17.728	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	138846	17.469	ug/l	98
20) Methylene Chloride	2.85	84	44867	17.889	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	39260	17.688	ug/l	99
22) Diisopropyl ether	3.85	45	168627	17.624	ug/l	92
23) Vinyl Acetate	3.81	43	733196	87.833	ug/l	100
24) 1,1-Dichloroethane	3.69	63	83040	17.191	ug/l	100
25) 2-Butanone	4.67	43	208286	86.486	ug/l	98
26) 2,2-Dichloropropane	4.58	77	59647	18.565	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	46120	17.100	ug/l	99
28) Bromochloromethane	5.01	49	43520	18.236	ug/l	98
29) Tetrahydrofuran	5.12	42	137499	86.627	ug/l	99
30) Chloroform	5.21	83	75109	17.229	ug/l	100
31) Cyclohexane	5.57	56	78112	16.955	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61560	17.667	ug/l	100
36) 1,1-Dichloropropene	5.79	75	58130	17.291	ug/l	98
37) Ethyl Acetate	4.82	43	78530	18.031	ug/l	100
38) Carbon Tetrachloride	5.78	117	50201	17.893	ug/l	98

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Quant Time: Apr 02 01:09:57 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	72362	18.011	ug/l	98
40) Benzene	6.13	78	177385	17.625	ug/l	100
41) Methacrylonitrile	5.04	41	44105	18.020	ug/l	98
42) 1,2-Dichloroethane	6.19	62	63200	17.151	ug/l	100
43) Isopropyl Acetate	6.44	43	123267	17.695	ug/l	100
44) Trichloroethene	7.21	130	41360	17.502	ug/l	96
45) 1,2-Dichloropropane	7.51	63	50623	17.696	ug/l	96
46) Dibromomethane	7.66	93	29348	17.568	ug/l	97
47) Bromodichloromethane	7.90	83	57644	18.028	ug/l	98
48) Methyl methacrylate	7.77	41	62067	17.807	ug/l	99
49) 1,4-Dioxane	7.74	88	25086	361.964	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	407808	90.132	ug/l	100
52) Toluene	8.78	92	106250	17.656	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	63430	18.111	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	72339	18.164	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43297	17.675	ug/l	98
56) Ethyl methacrylate	9.18	69	78783	17.817	ug/l	99
57) 1,3-Dichloropropane	9.37	76	77909	17.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	202331	88.519	ug/l	100
59) 2-Hexanone	9.49	43	318761	90.922	ug/l	99
60) Dibromochloromethane	9.58	129	41482	17.806	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44521	17.809	ug/l	100
64) Tetrachloroethene	9.34	164	35495	18.623	ug/l	98
65) Chlorobenzene	10.13	112	108145	17.663	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	38518	18.235	ug/l	98
67) Ethyl Benzene	10.25	91	208244	18.022	ug/l	97
68) m/p-Xylenes	10.35	106	151217	35.973	ug/l	99
69) o-Xylene	10.69	106	73178	17.939	ug/l	100
70) Styrene	10.71	104	127435	18.085	ug/l	100
71) Bromoform	10.85	173	29523	17.698	ug/l #	100
73) Isopropylbenzene	11.02	105	196606	18.028	ug/l	100
74) N-amyl acetate	10.90	43	111952	17.736	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	72336	17.096	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	82072	20.595	ug/l	81
77) Bromobenzene	11.26	156	46434	17.544	ug/l	99
78) n-propylbenzene	11.36	91	230713	18.060	ug/l	100
79) 2-Chlorotoluene	11.42	91	137722	17.724	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	165455	17.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21883	17.588	ug/l	93
82) 4-Chlorotoluene	11.51	91	158121	17.642	ug/l	100
83) tert-Butylbenzene	11.77	119	159507	17.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	166561	17.861	ug/l	98
85) sec-Butylbenzene	11.94	105	194267	18.339	ug/l	100
86) p-Isopropyltoluene	12.06	119	172539	18.459	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	83533	17.664	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	83955	17.591	ug/l	99
89) n-Butylbenzene	12.38	91	161950	18.290	ug/l	99
90) Hexachloroethane	12.60	117	27941	17.943	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	84542	17.852	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16074	17.423	ug/l	99

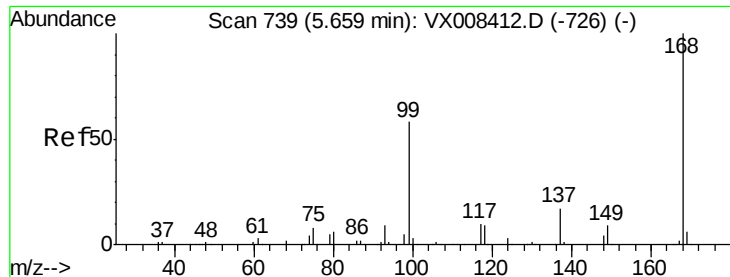
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
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Quant Time: Apr 02 01:09:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59255	18.585	ug/l	100
94) Hexachlorobutadiene	13.78	225	29123	19.237	ug/l	99
95) Naphthalene	13.83	128	202997	18.571	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	60566	18.904	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: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

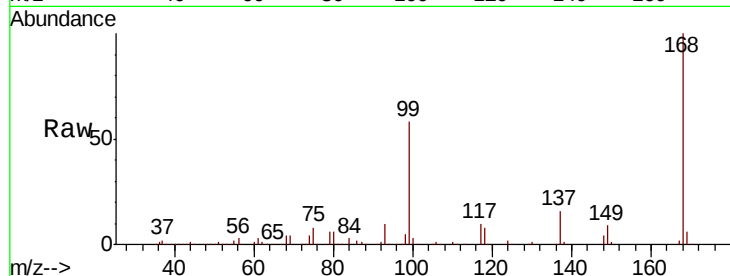
VX0401WBS01

Tot Ion:168 Resp: 189587

Ion Ratio Lower Upper

168 100

99 58.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): VX008412.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX008412.D (-726) (-)

5.66

60000

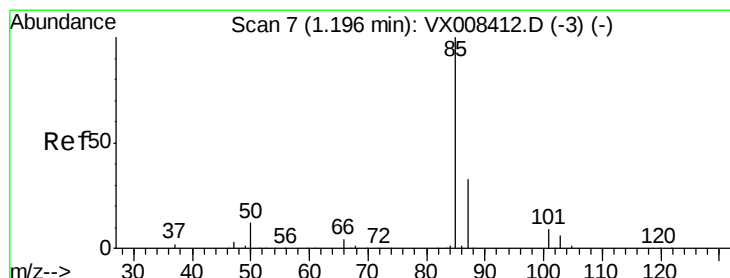
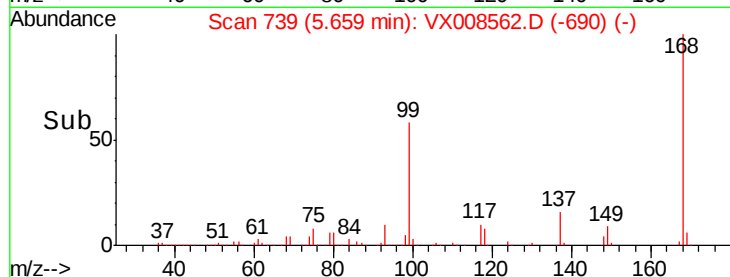
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 15.577 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008562.D

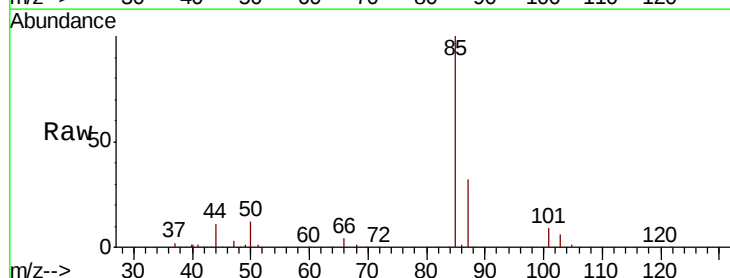
Acq: 01 Apr 2019 12:29

Tgt Ion: 85 Resp: 34811

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX008412.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX008412.D (-3) (-)

1.20

30000

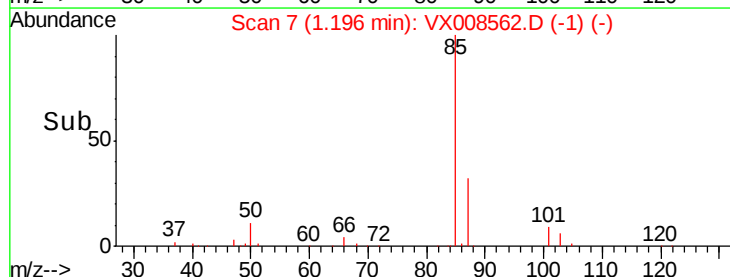
20000

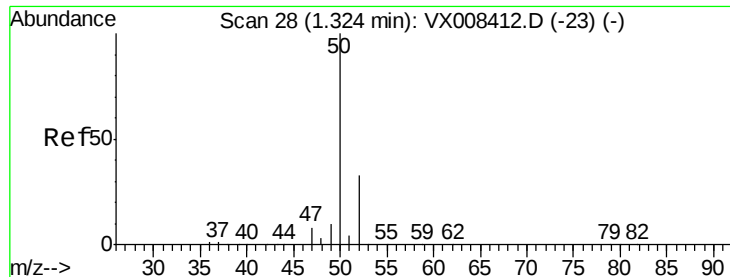
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 16.767 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

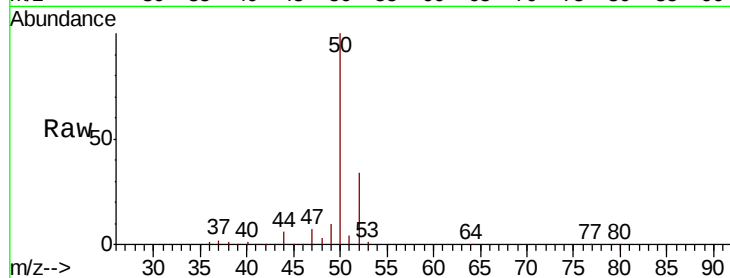
VX0401WBS01

Tot Ion: 50 Resp: 48493

Ion Ratio Lower Upper

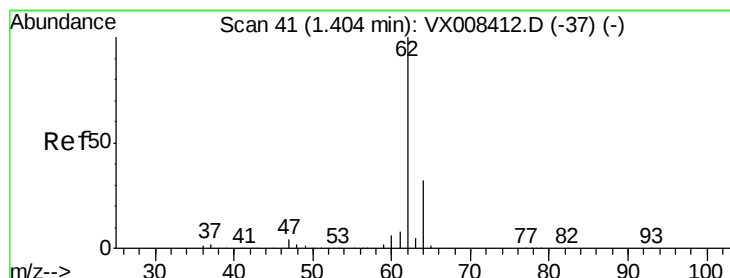
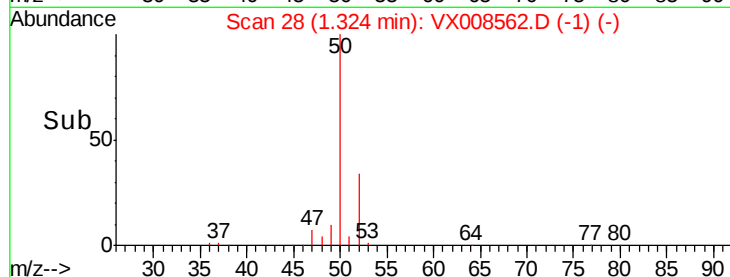
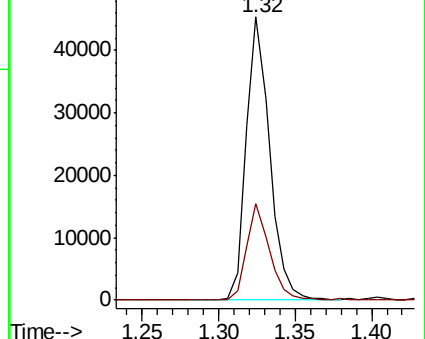
50 100

52 34.1 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: 15.552 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008562.D

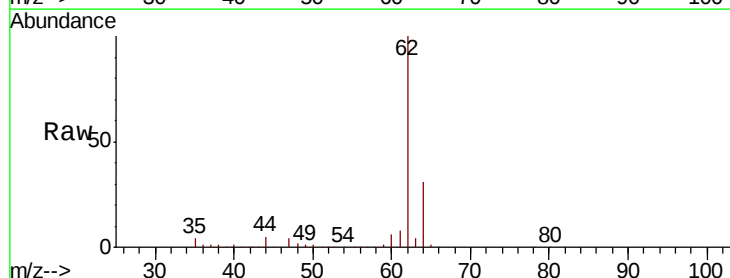
Acq: 01 Apr 2019 12:29

Tgt Ion: 62 Resp: 48527

Ion Ratio Lower Upper

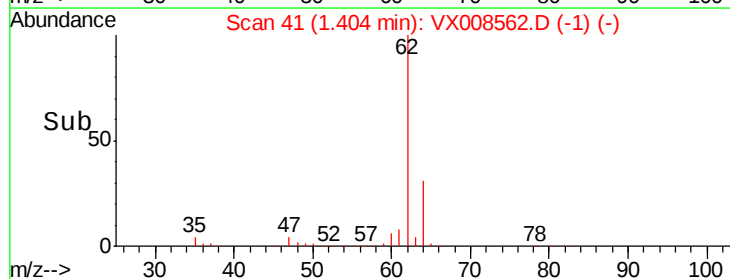
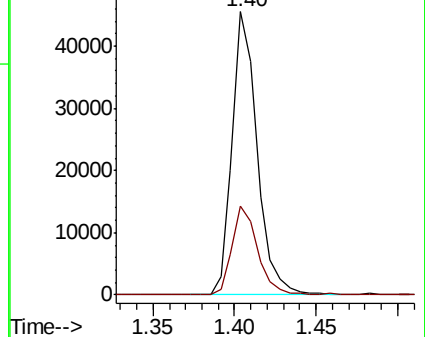
62 100

64 31.0 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: 14.827 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

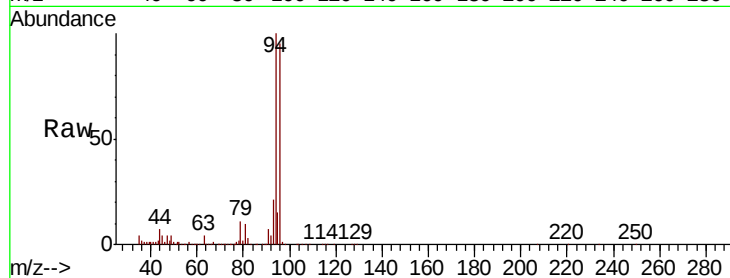
VX0401WBS01

Tot Ion: 94 Resp: 22121

Ion Ratio Lower Upper

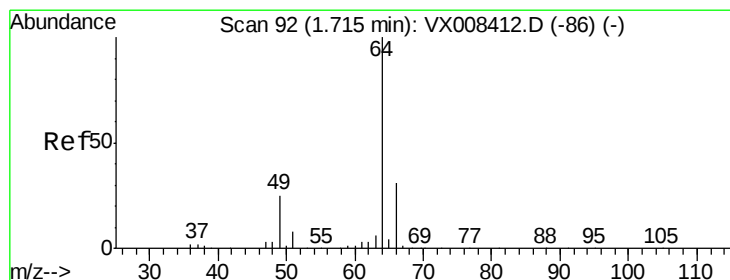
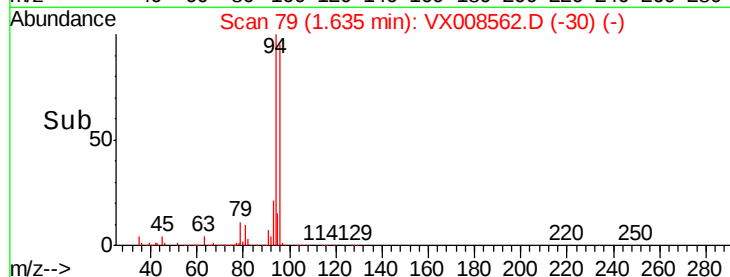
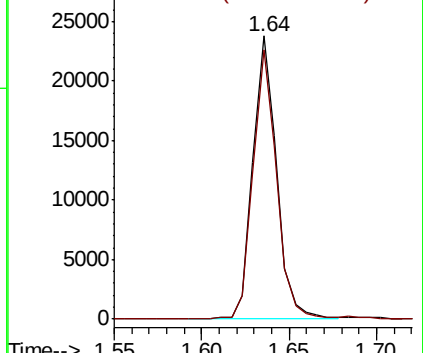
94 100

96 95.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.242 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008562.D

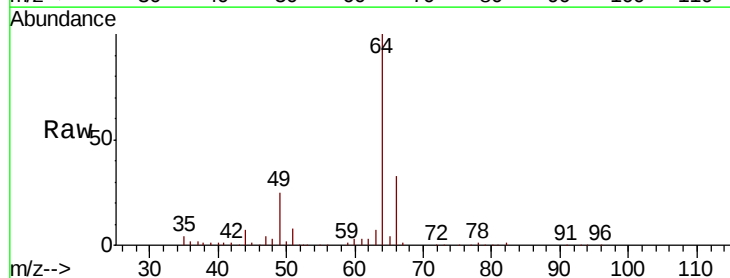
Acq: 01 Apr 2019 12:29

Tgt Ion: 64 Resp: 30022

Ion Ratio Lower Upper

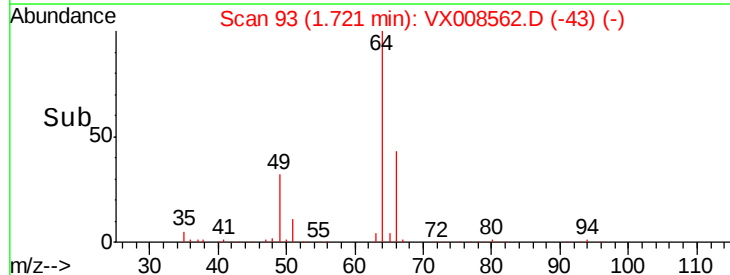
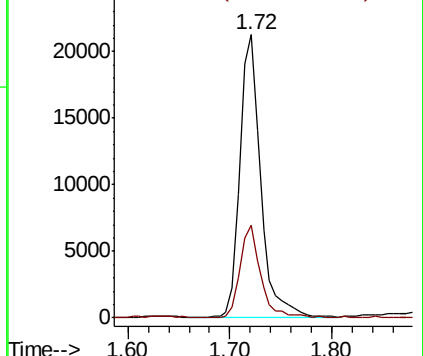
64 100

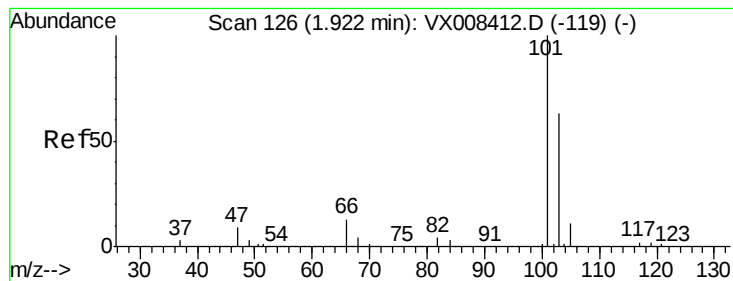
66 32.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



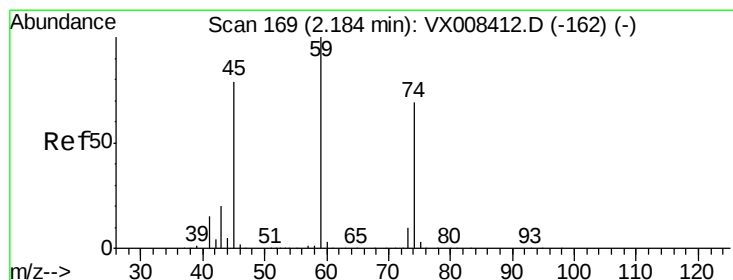
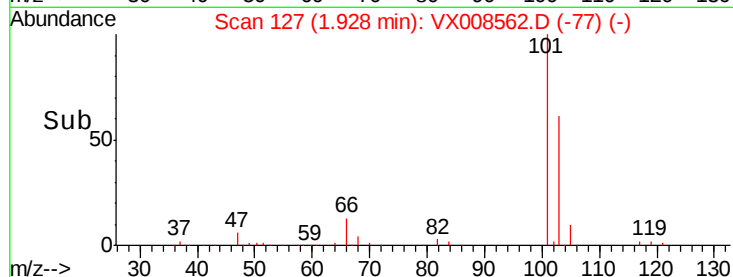
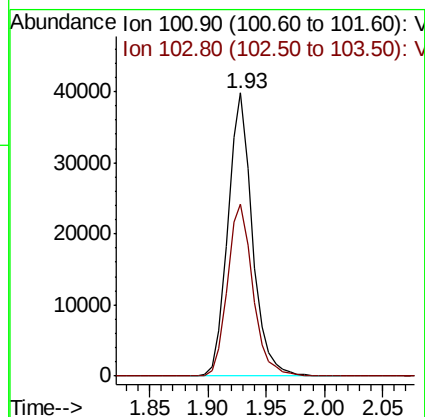
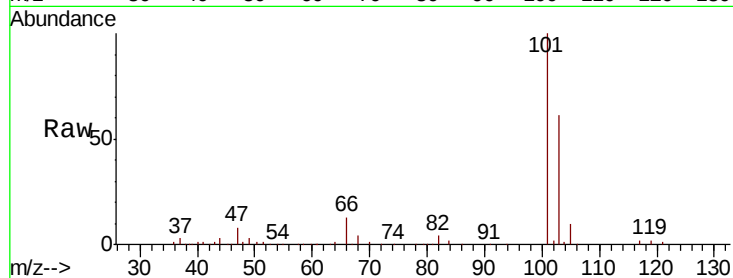


#7

Trichlorofluoromethane
 Concen: 16.379 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

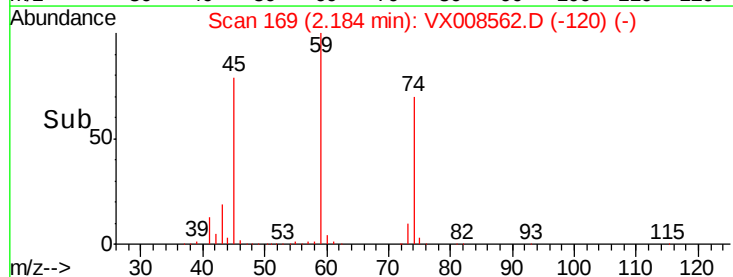
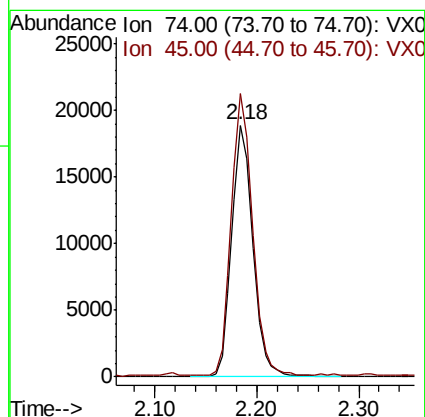
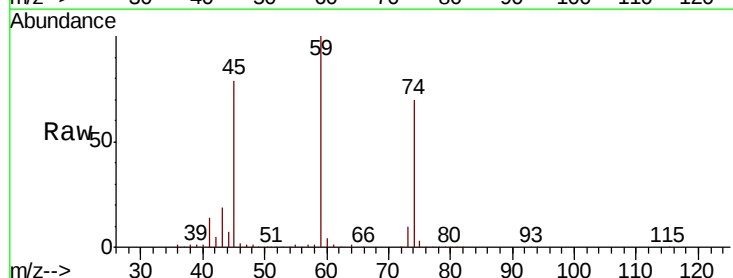
Tot Ion:101 Resp: 57882
 Ion Ratio Lower Upper
 101 100
 103 60.9 50.2 75.4

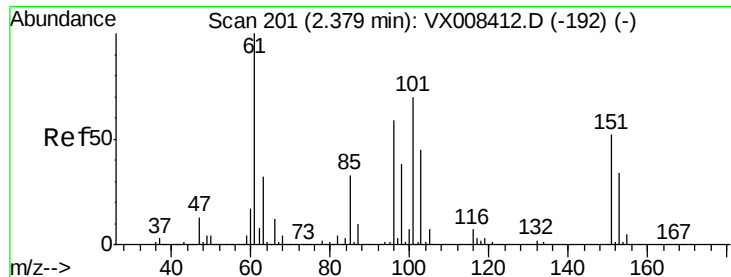


#8

Diethyl Ether
 Concen: 16.235 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion: 74 Resp: 27151
 Ion Ratio Lower Upper
 74 100
 45 112.0 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.880 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

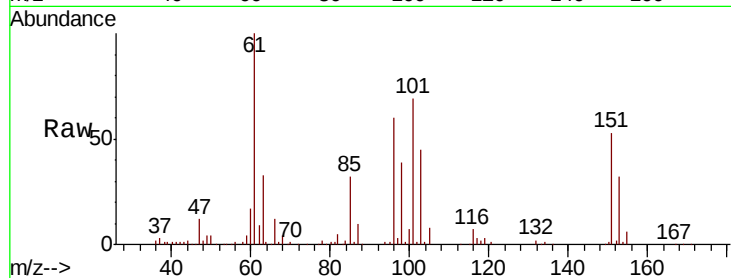
Tot Ion:101 Resp: 36050

Ion Ratio Lower Upper

101 100

85 43.2 36.0 54.0

151 73.4 59.2 88.8

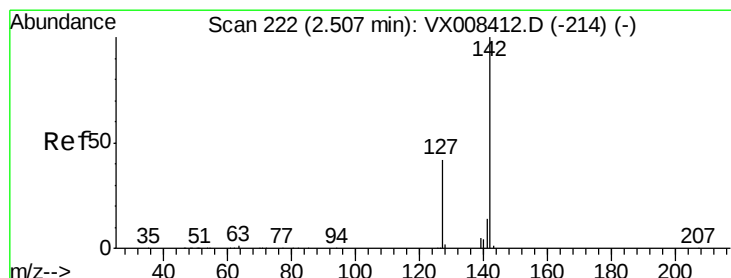
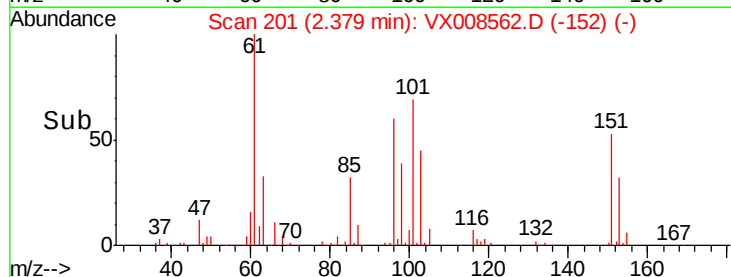
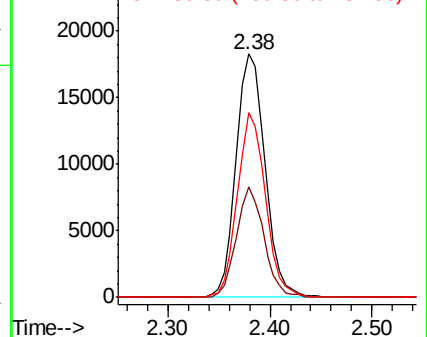


Abundance

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: 15.288 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

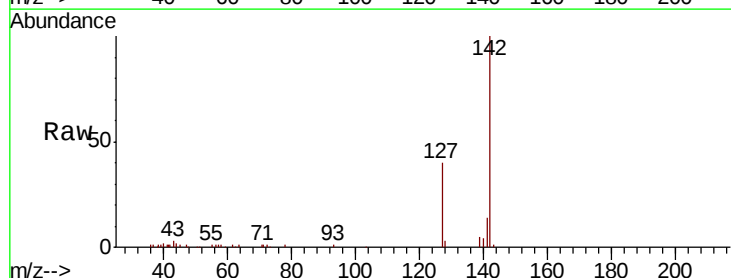
Tgt Ion:142 Resp: 25275

Ion Ratio Lower Upper

142 100

127 41.4 33.6 50.4

141 14.1 11.3 16.9

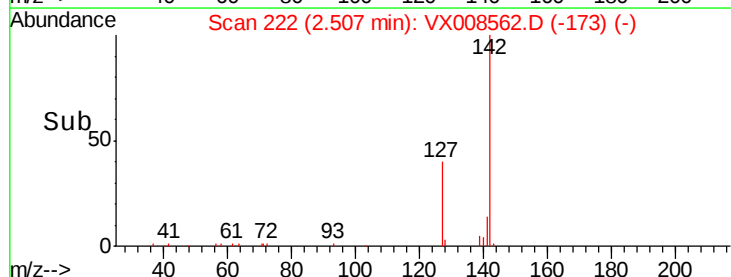
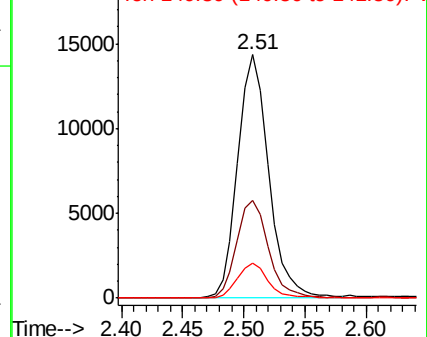


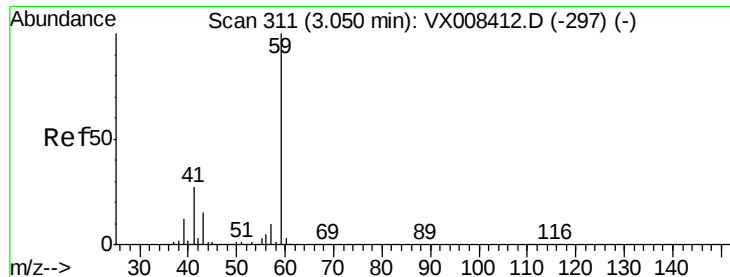
Abundance

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

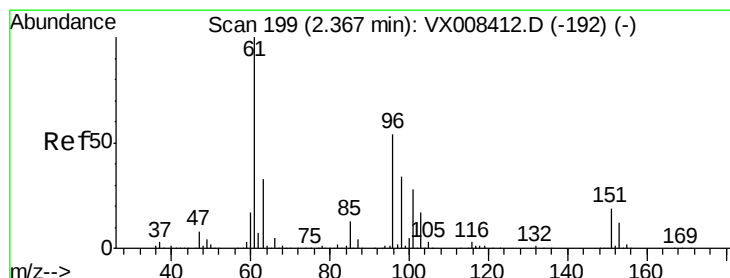
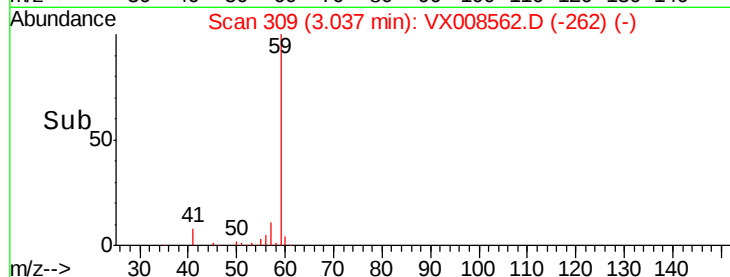
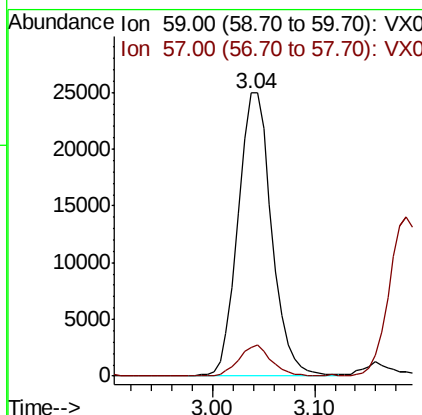
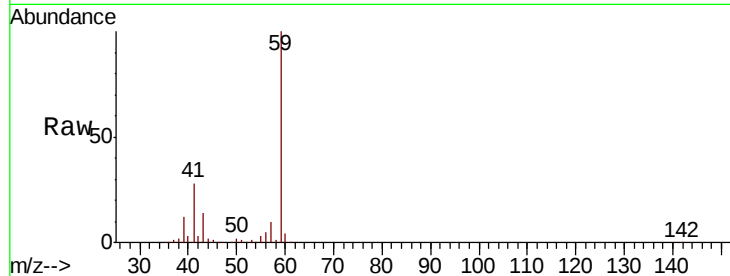




#11
Tert butyl alcohol
Concen: 90.308 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

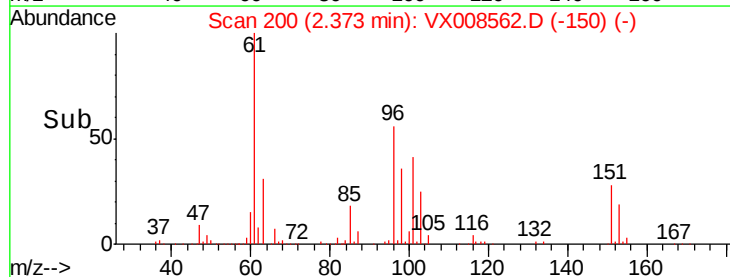
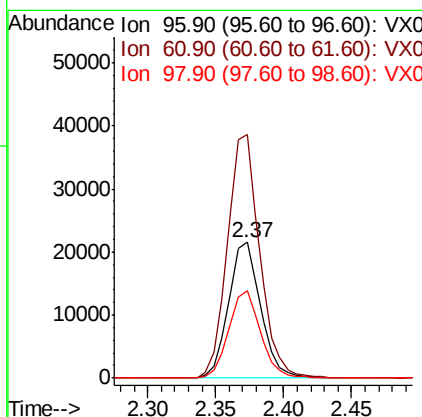
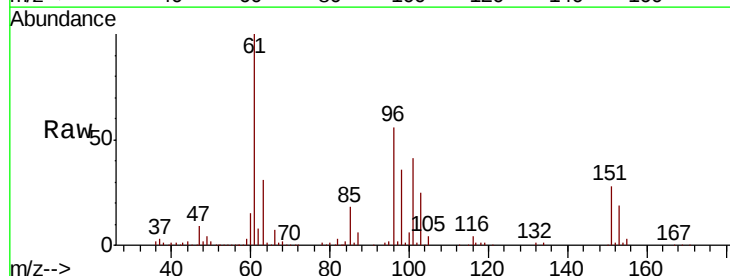
Instrument :
MSVOA_X
ClientSampled :
VX0401WBS01

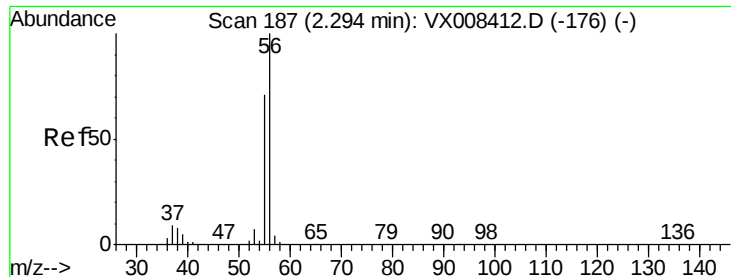
Tot Ion: 59 Resp: 57508
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 16.053 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 96 Resp: 35407
Ion Ratio Lower Upper
96 100
61 179.4 146.9 220.3
98 64.6 50.1 75.1





#13

Acrolein

Concen: 62.897 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

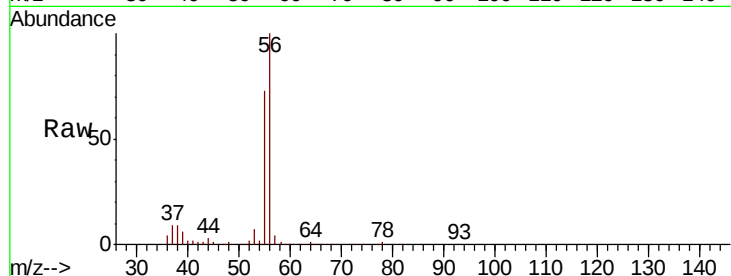
VX0401WBS01

Tot Ion: 56 Resp: 29086

Ion Ratio Lower Upper

56 100

55 70.3 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

20000

15000

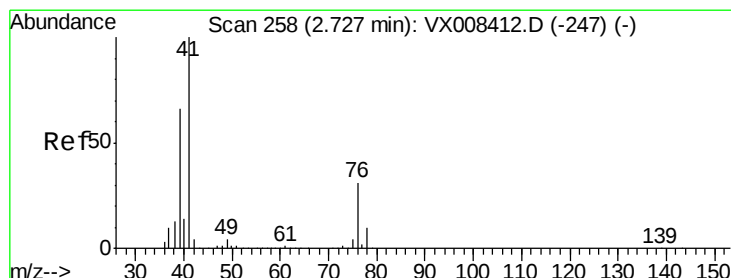
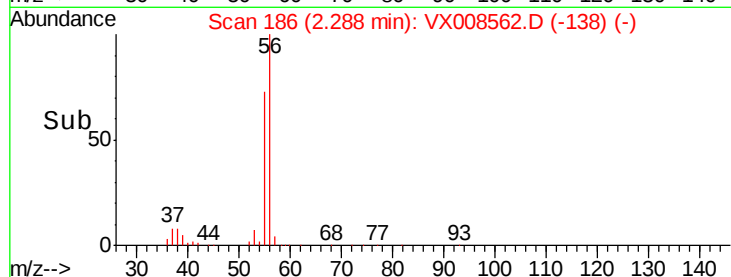
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 17.131 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

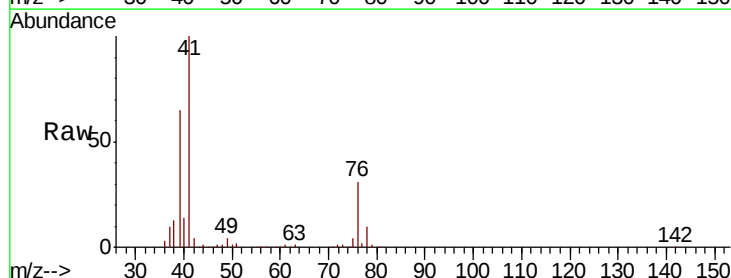
Tgt Ion: 41 Resp: 83245

Ion Ratio Lower Upper

41 100

39 61.3 49.6 74.4

76 27.2 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

60000

50000

40000

30000

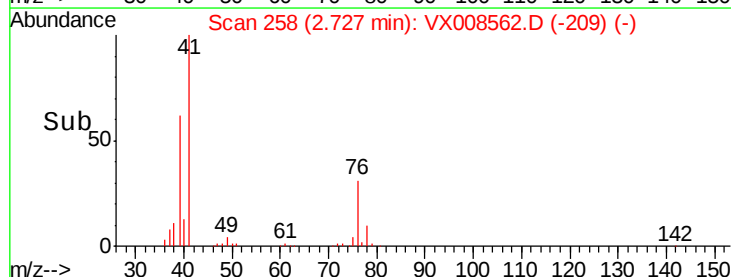
20000

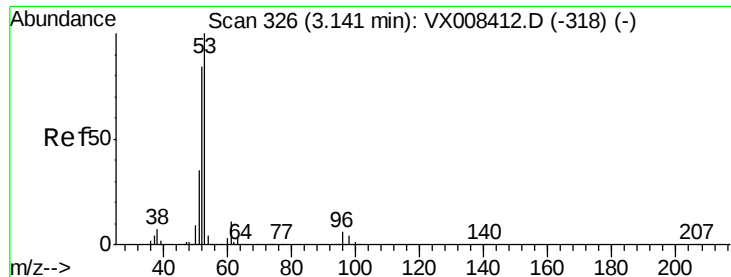
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 86.014 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

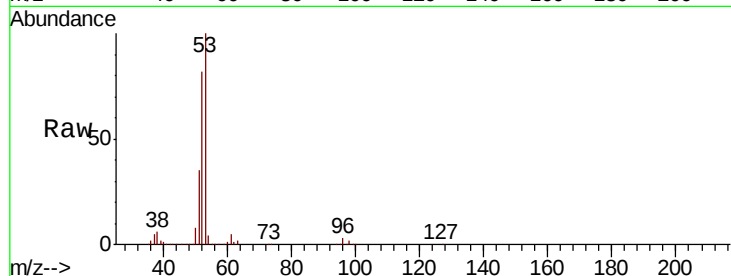
Tot Ion: 53 Resp: 143626

Ion Ratio Lower Upper

53 100

52 82.9 66.5 99.7

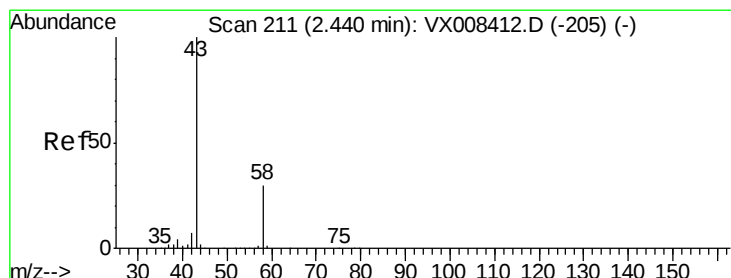
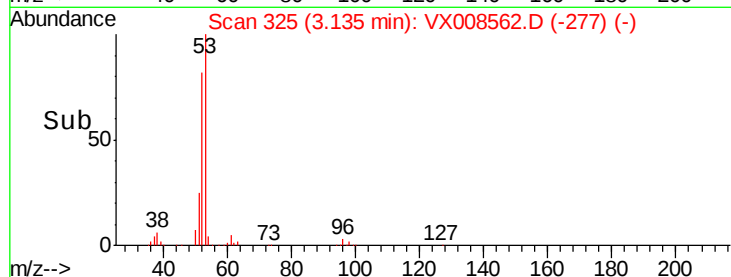
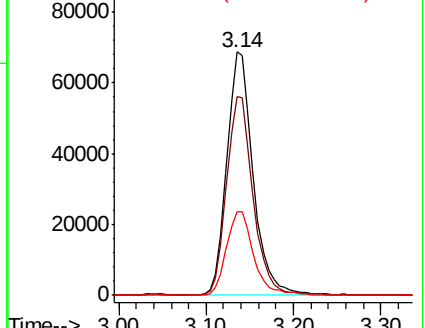
51 35.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 85.717 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008562.D

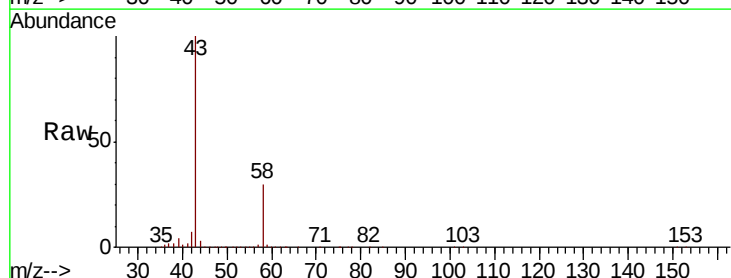
Acq: 01 Apr 2019 12:29

Tgt Ion: 43 Resp: 128764

Ion Ratio Lower Upper

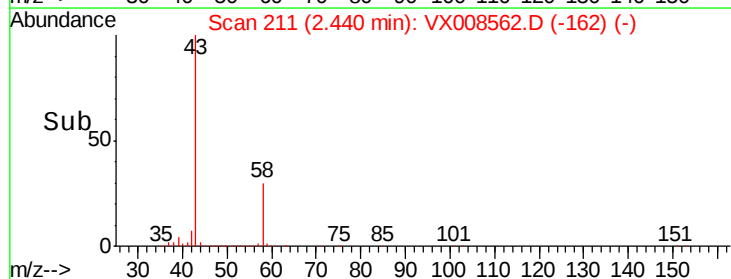
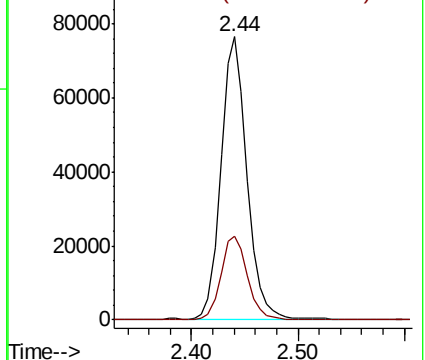
43 100

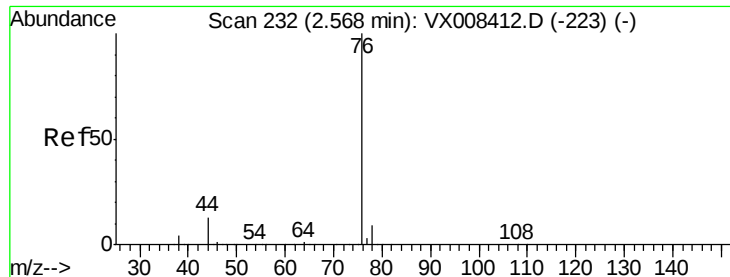
58 29.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

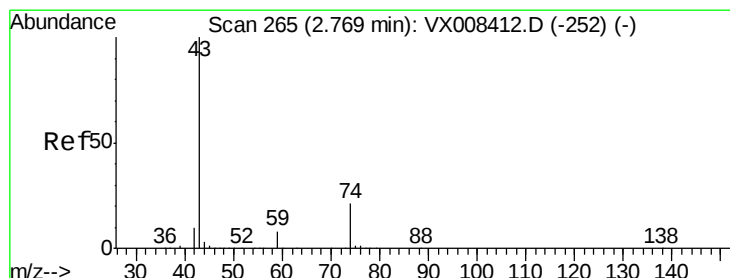
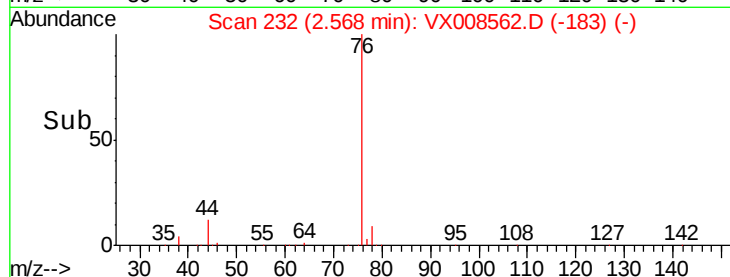
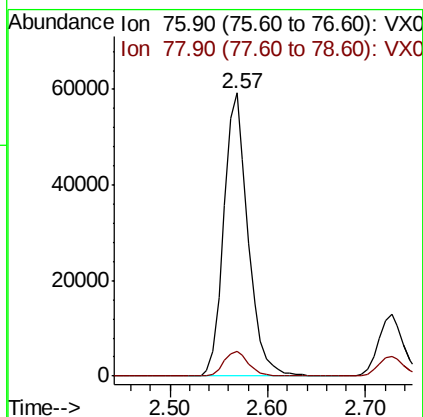
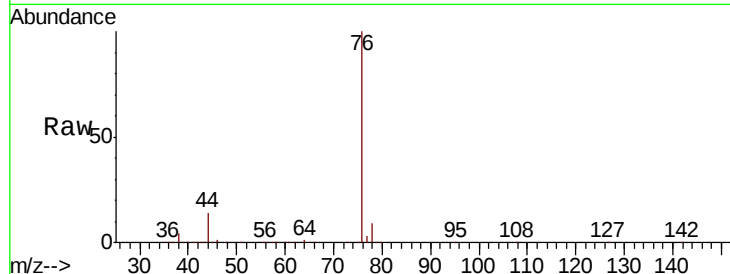




#17
Carbon Disulfide
Concen: 15.790 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

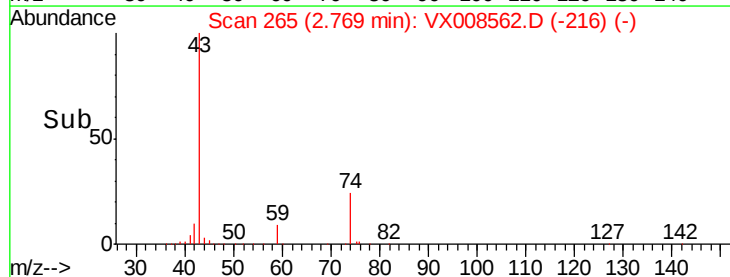
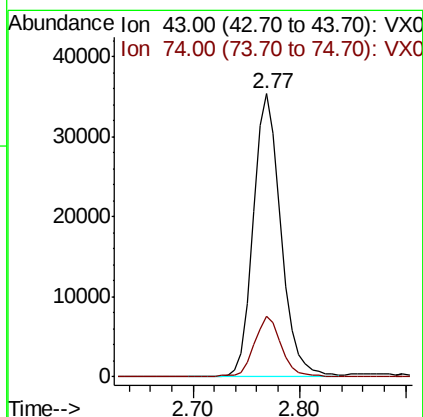
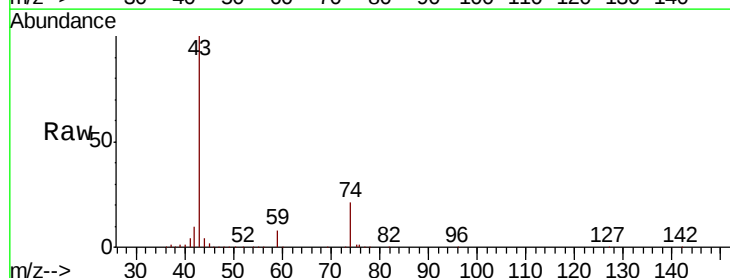
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

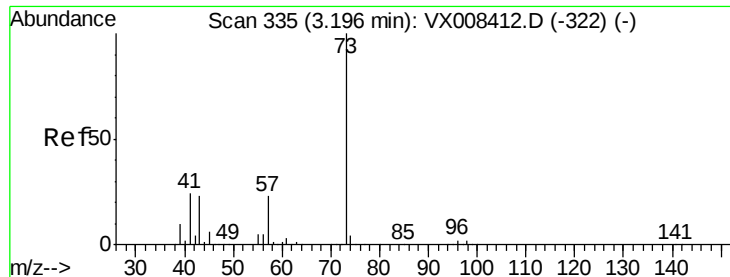
Tot Ion: 76 Resp: 101583
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 17.728 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 43 Resp: 63961
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1



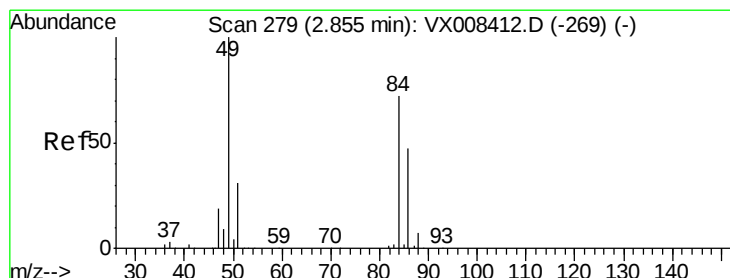
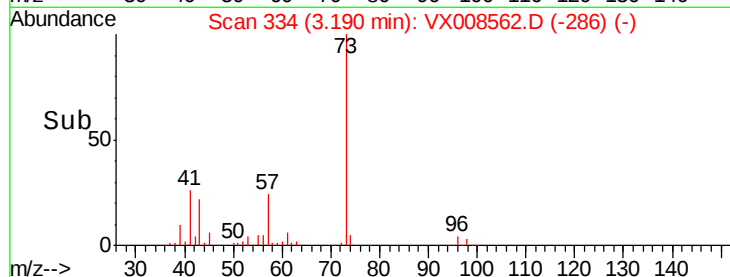
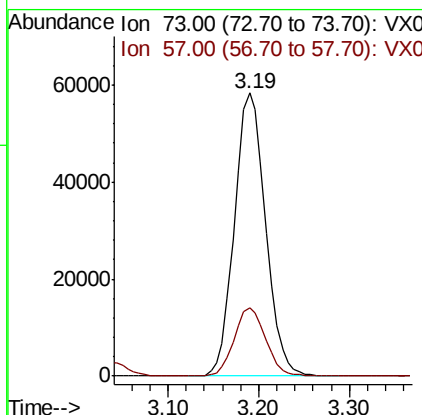
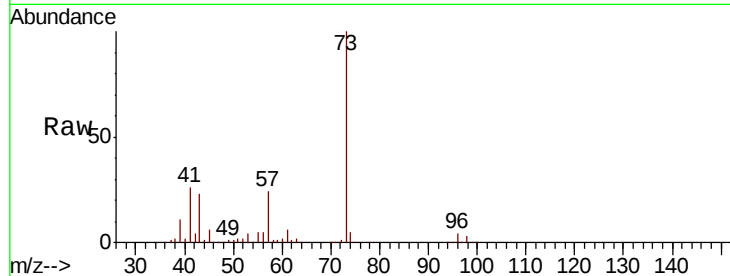


#19

Methyl tert-butyl Ether
 Concen: 17.469 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

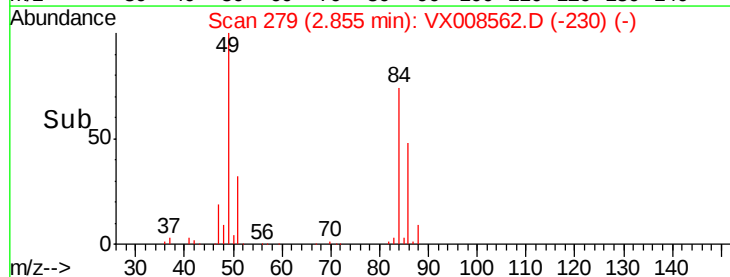
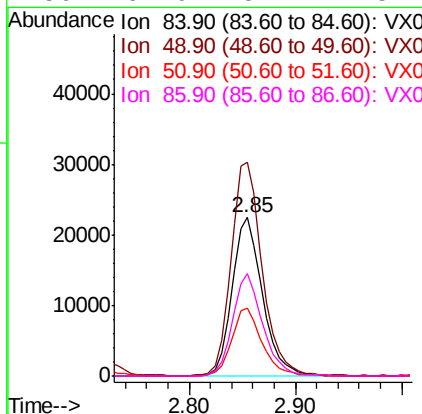
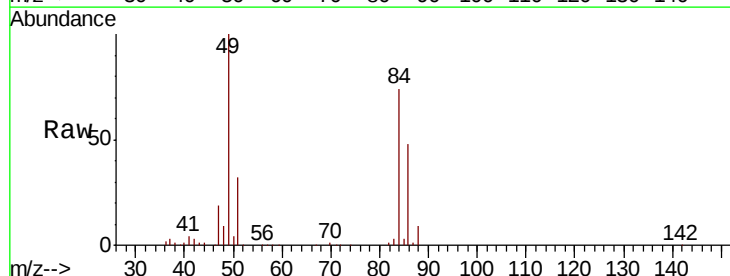
Tot Ion: 73 Resp: 138846
 Ion Ratio Lower Upper
 73 100
 57 24.0 18.6 28.0

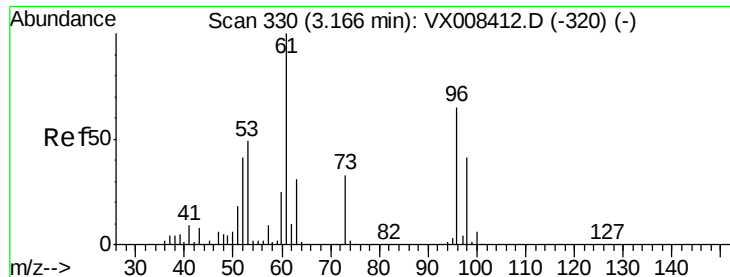


#20

Methylene Chloride
 Concen: 17.889 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion: 84 Resp: 44867
 Ion Ratio Lower Upper
 84 100
 49 134.4 110.6 165.8
 51 42.4 33.9 50.9
 86 64.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 17.688 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

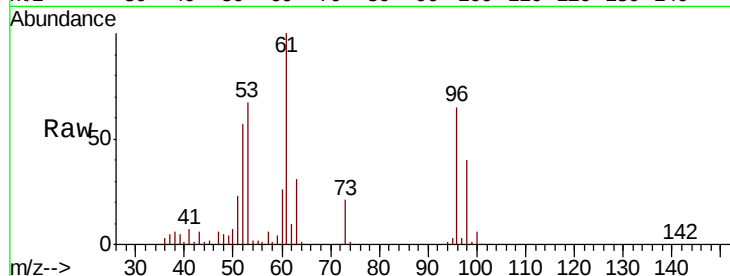
Tot Ion: 96 Resp: 39260

Ion Ratio Lower Upper

96 100

61 153.2 122.6 184.0

98 61.2 50.9 76.3

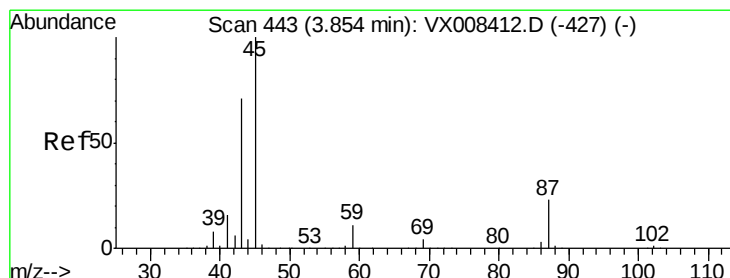
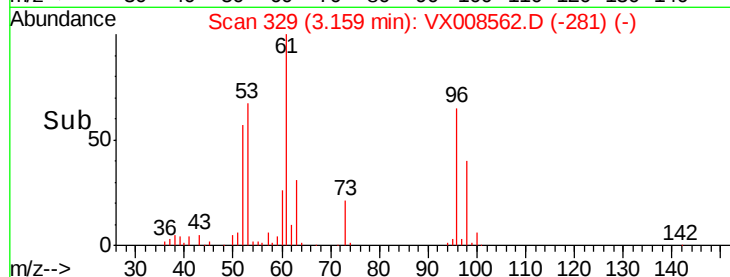
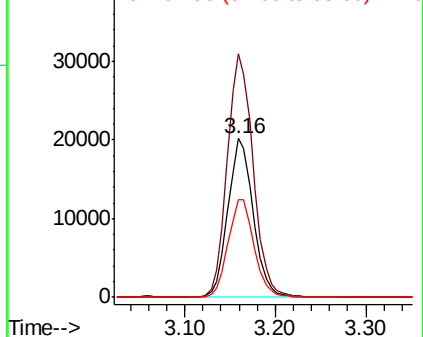


Abundance

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: 17.624 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Tgt Ion: 45 Resp: 168627

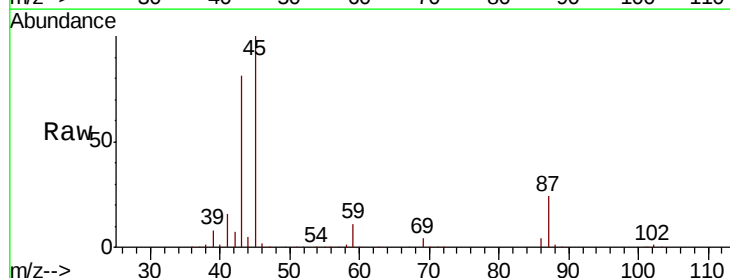
Ion Ratio Lower Upper

45 100

43 80.5 57.1 85.7

87 23.7 18.8 28.2

59 10.8 8.7 13.1



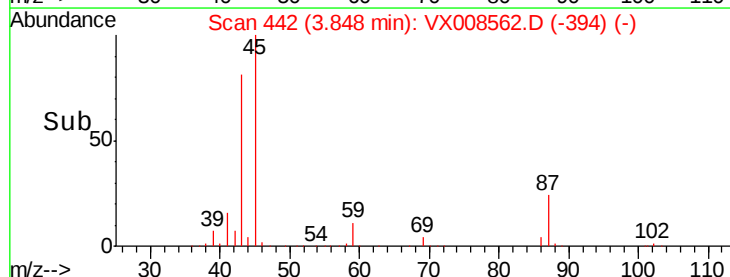
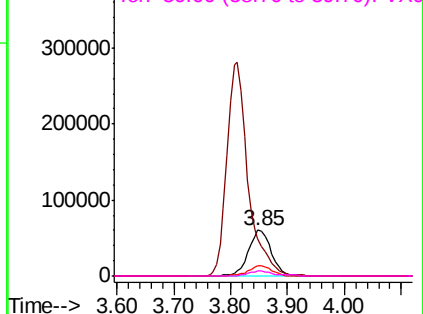
Abundance

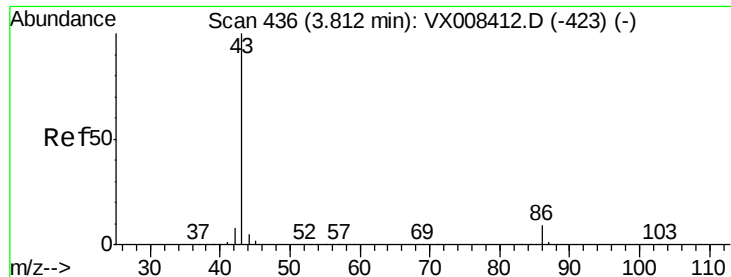
Ion 45.00 (44.70 to 45.70): VX0

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: 87.833 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

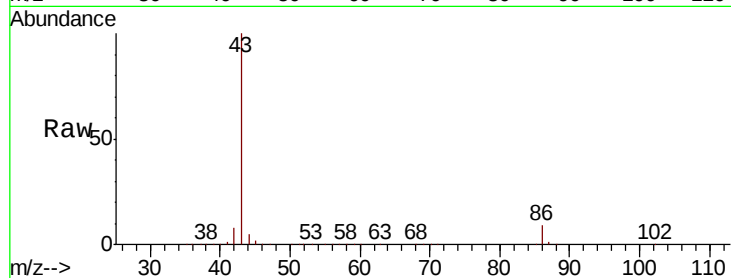
VX0401WBS01

Tot Ion: 43 Resp: 733196

Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

300000

250000

200000

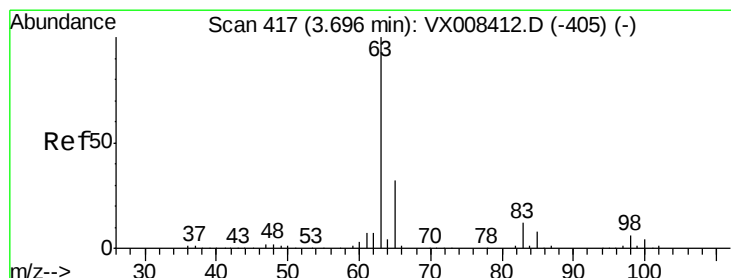
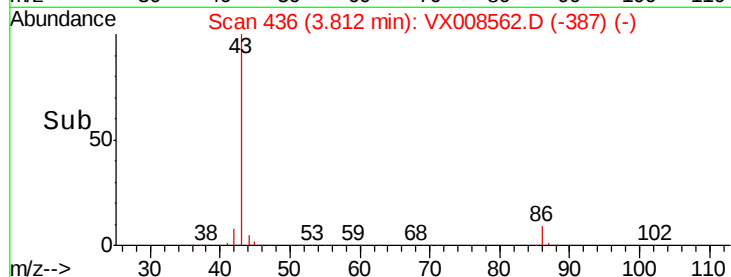
150000

100000

50000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 17.191 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

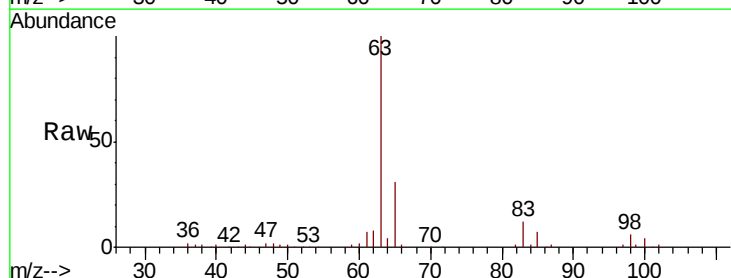
Tgt Ion: 63 Resp: 83040

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

40000

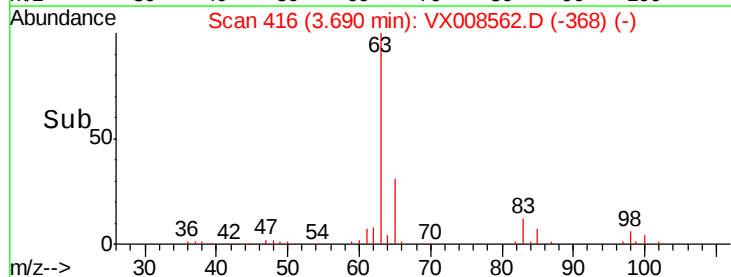
30000

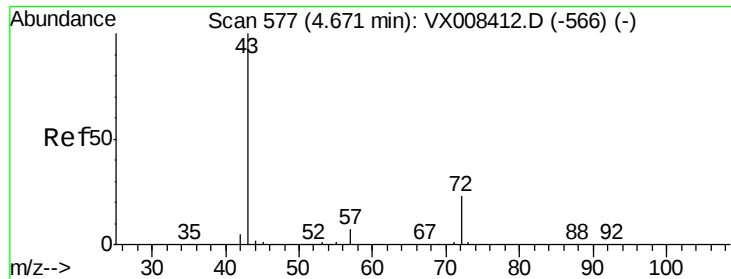
20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 86.486 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

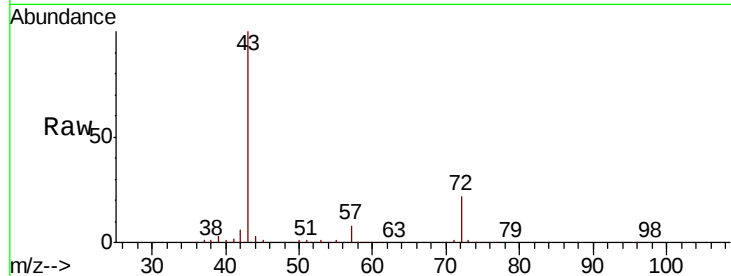
VX0401WBS01

Tot Ion: 43 Resp: 208286

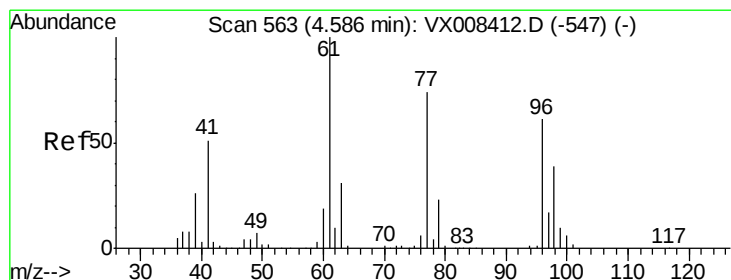
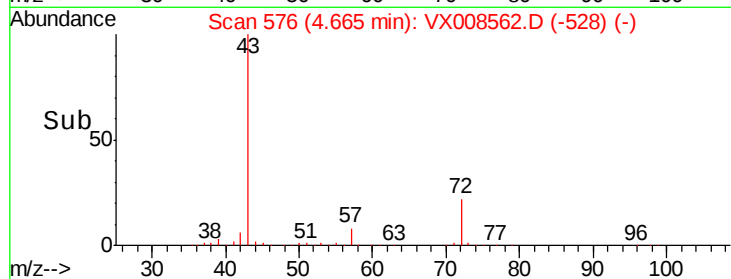
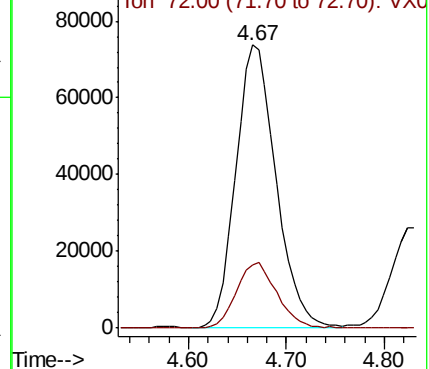
Ion Ratio Lower Upper

43 100

72 22.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 18.565 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008562.D

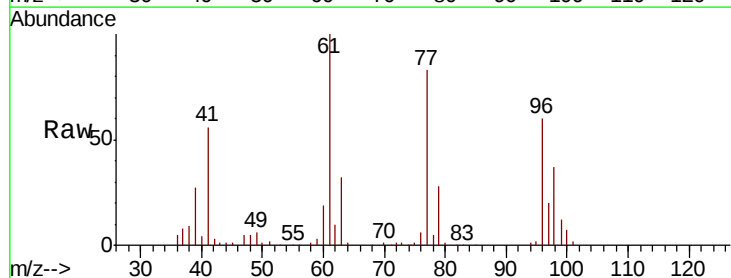
Acq: 01 Apr 2019 12:29

Tgt Ion: 77 Resp: 59647

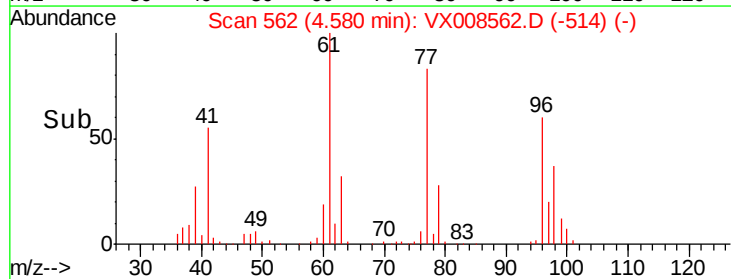
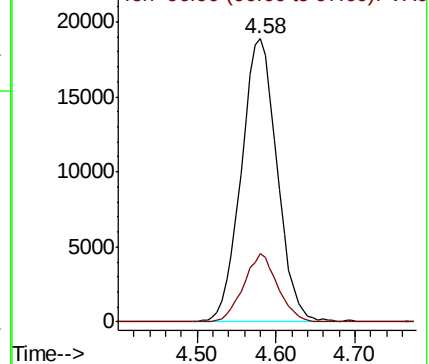
Ion Ratio Lower Upper

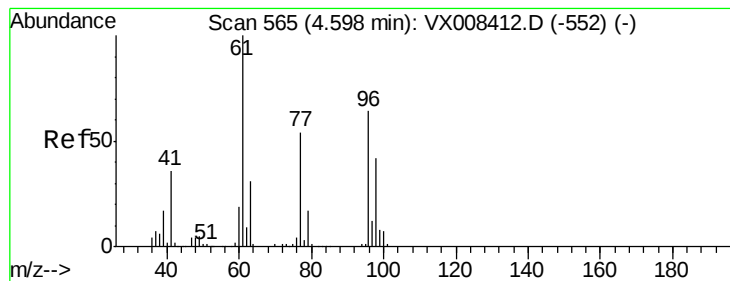
77 100

97 23.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0



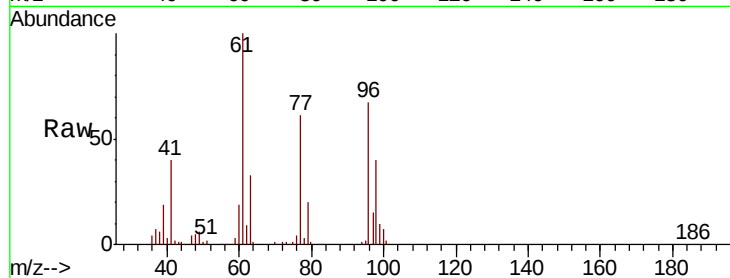


#27

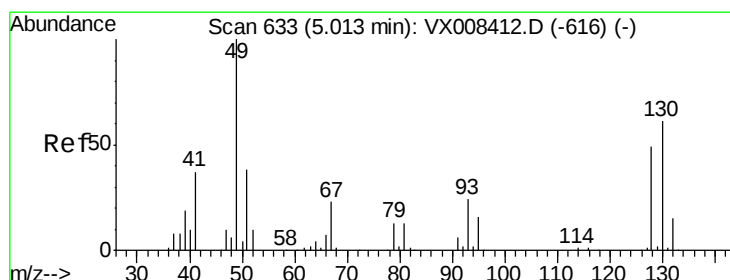
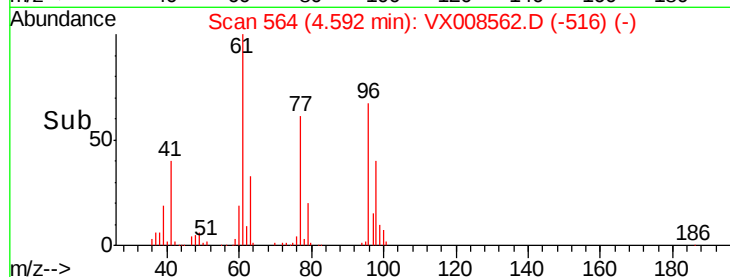
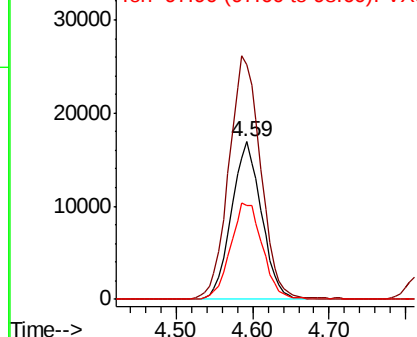
cis-1,2-Dichloroethene
Concen: 17.100 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

Tot Ion: 96 Resp: 46120
Ion Ratio Lower Upper
96 100
61 163.6 0.0 325.6
98 64.6 0.0 130.0



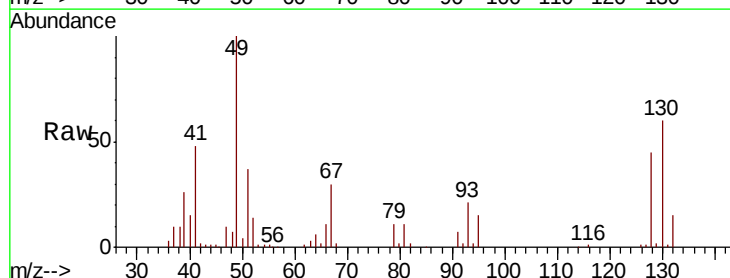
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



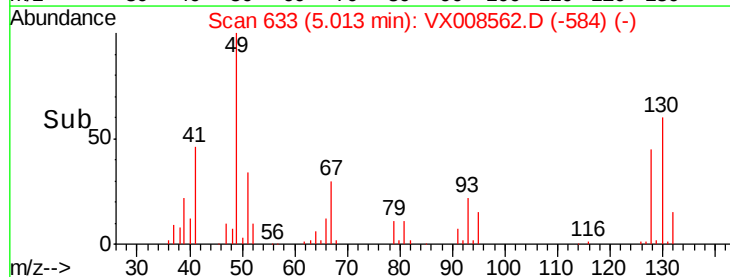
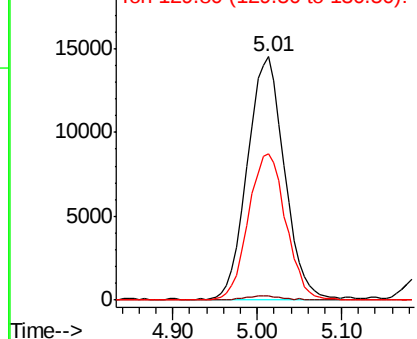
#28

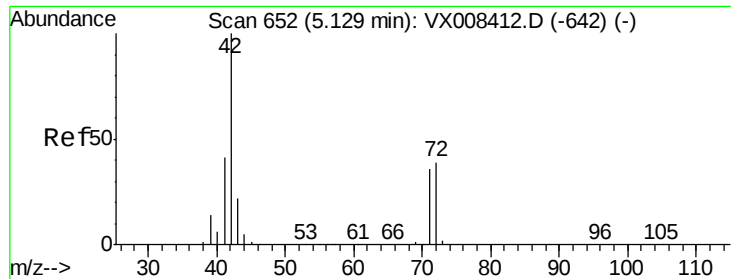
Bromochloromethane
Concen: 18.236 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 49 Resp: 43520
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 60.7 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

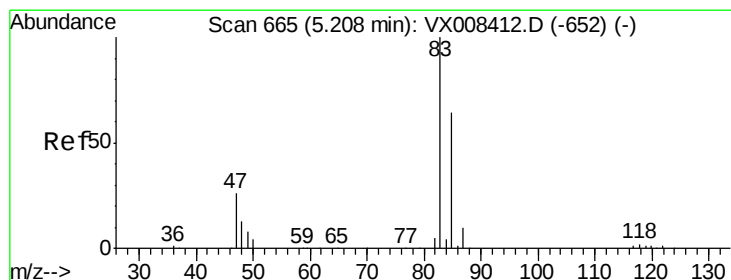
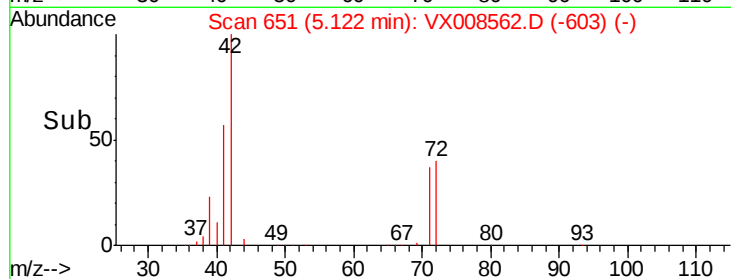
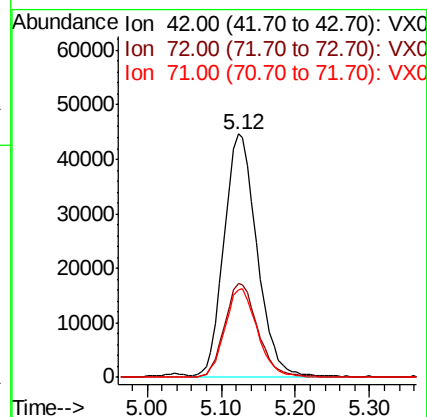
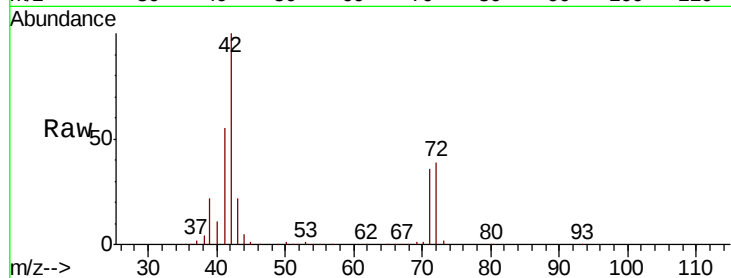




#29
Tetrahydrofuran
Concen: 86.627 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

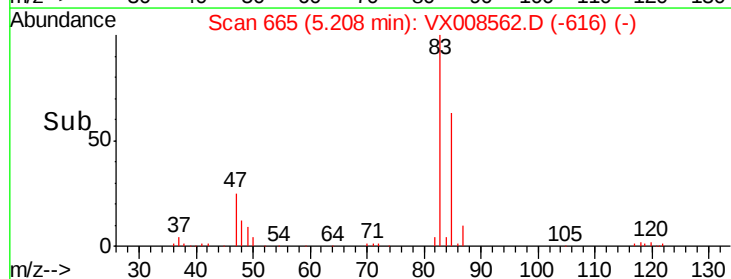
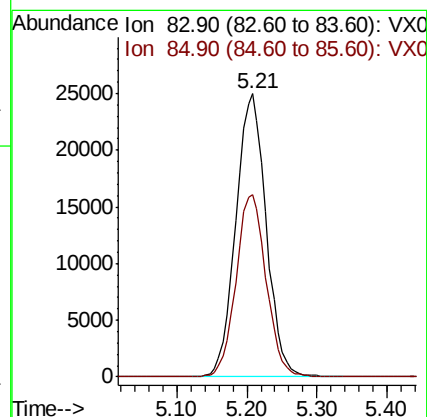
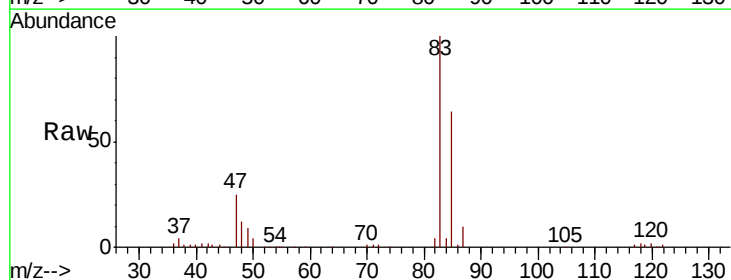
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

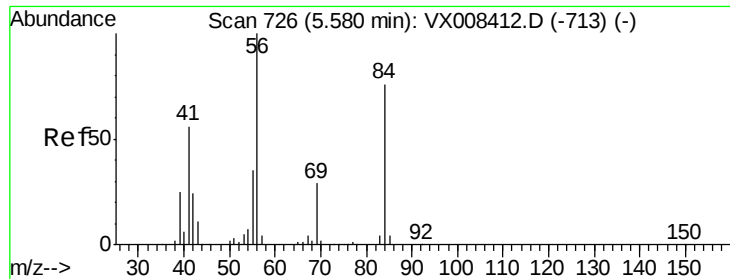
Tot Ion: 42 Resp: 137499
Ion Ratio Lower Upper
42 100
72 39.0 31.4 47.2
71 36.0 29.4 44.2



#30
Chloroform
Concen: 17.229 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 83 Resp: 75109
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2

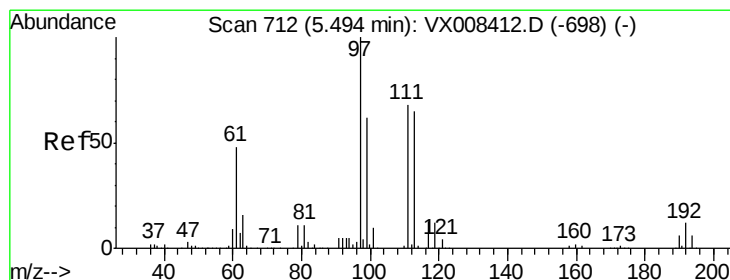
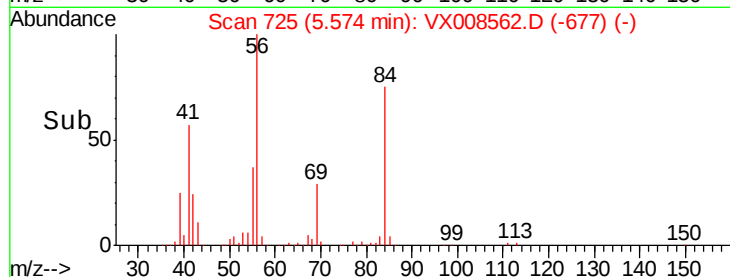
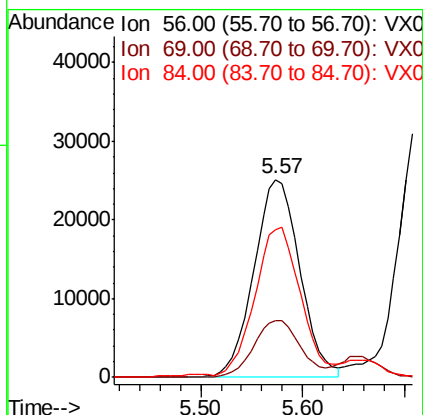
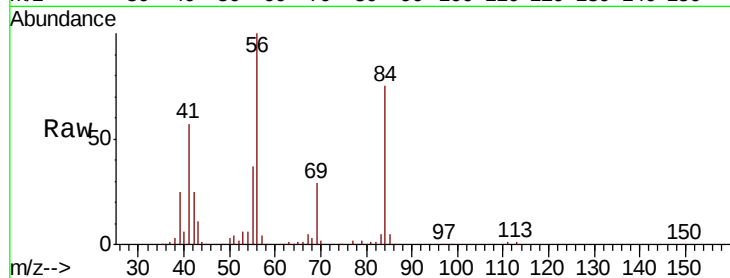




#31
Cyclohexane
Concen: 16.955 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

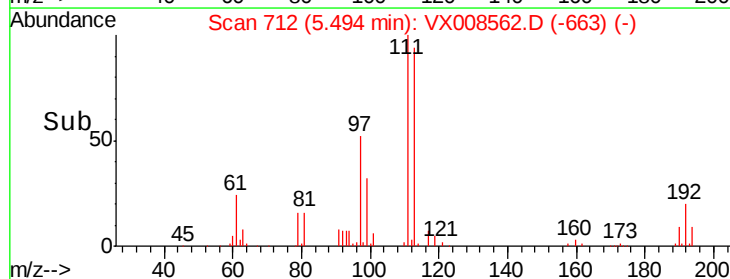
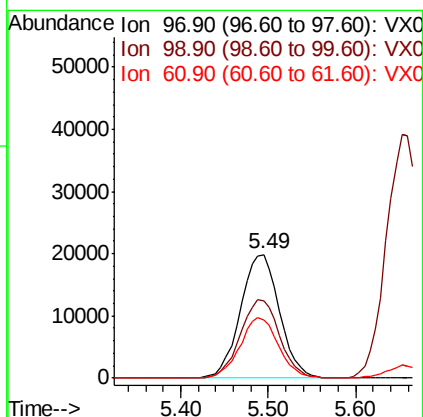
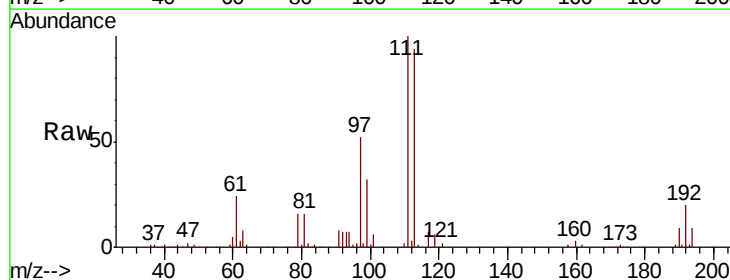
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

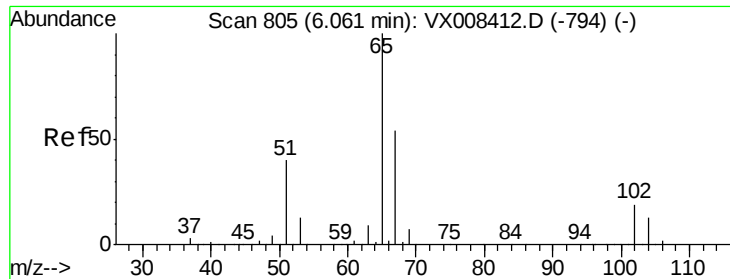
Tot Ion: 56 Resp: 78112
Ion Ratio Lower Upper
56 100
69 28.8 23.2 34.8
84 73.4 60.7 91.1



#32
1,1,1-Trichloroethane
Concen: 17.667 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 97 Resp: 61560
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 48.5 38.8 58.2





#33

1,2-Dichloroethane-d4

Concen: 49.794 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

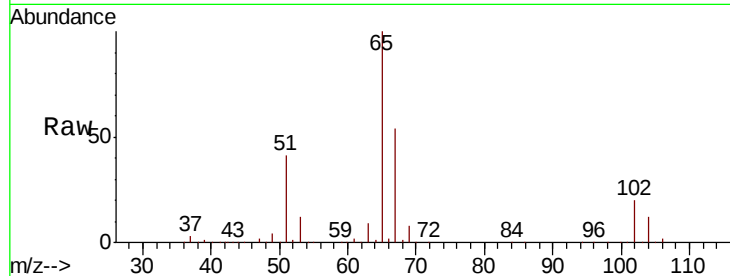
VX0401WBS01

Tot Ion: 65 Resp: 143116

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

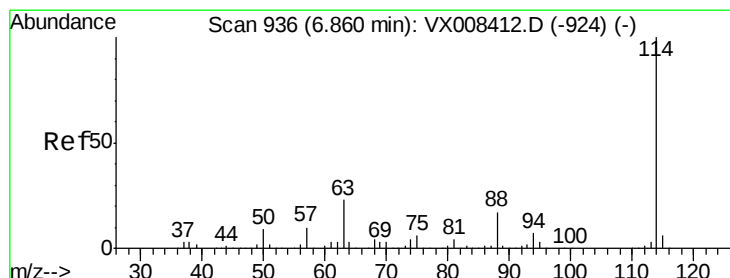
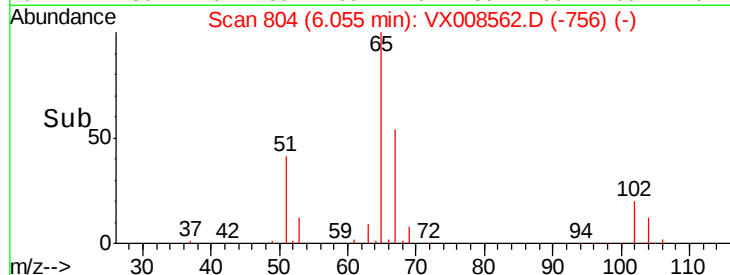
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

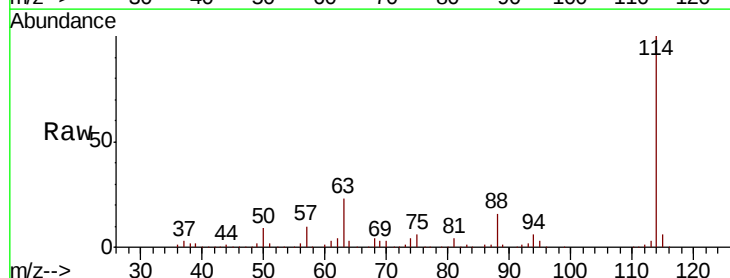
Tgt Ion: 114 Resp: 315303

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.4

88 16.3 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

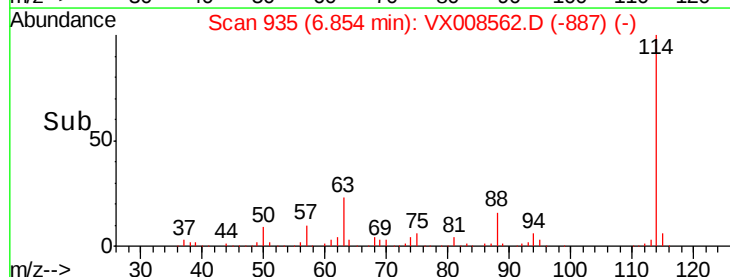
150000

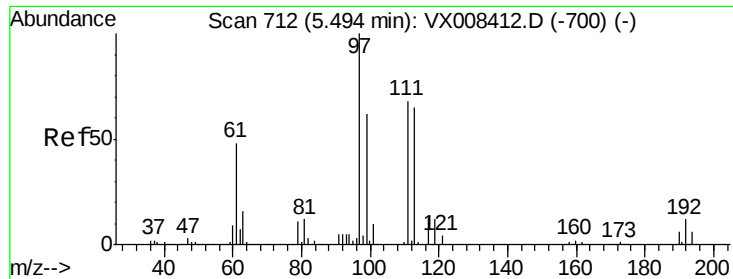
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 51.580 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

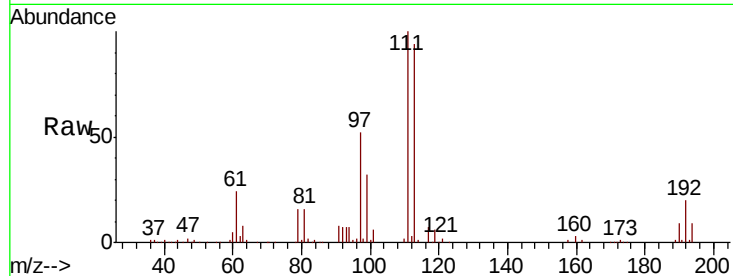
Tot Ion:113 Resp: 106044

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

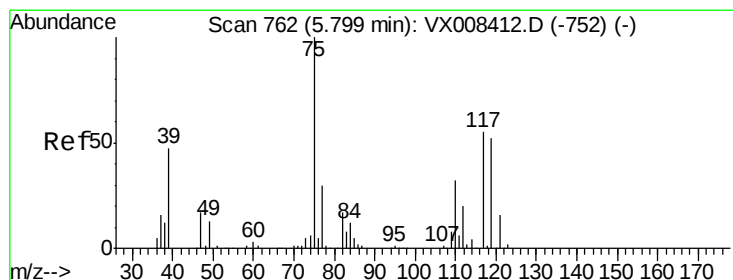
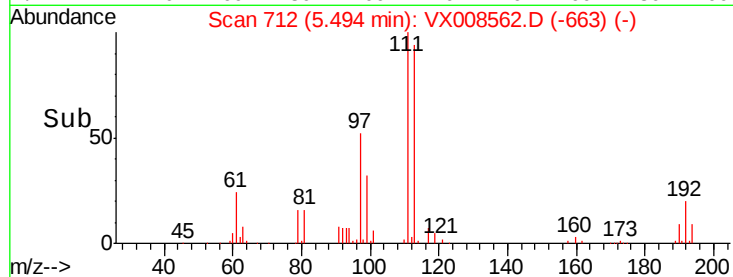
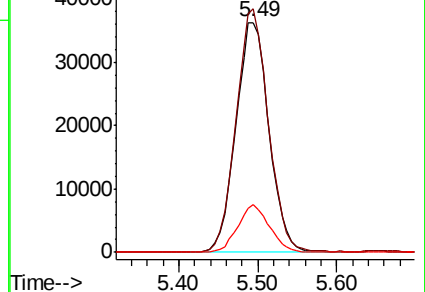
192 19.8 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.291 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

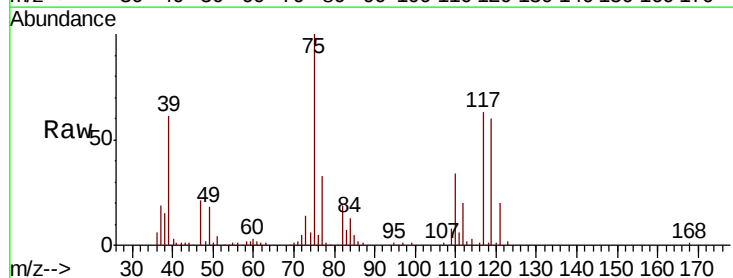
Tgt Ion: 75 Resp: 58130

Ion Ratio Lower Upper

75 100

110 33.7 16.6 49.7

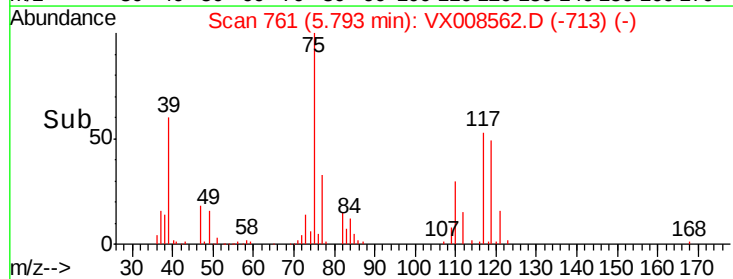
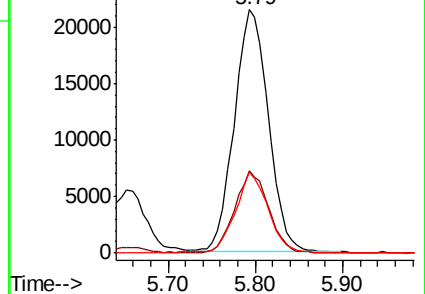
77 31.8 24.2 36.2

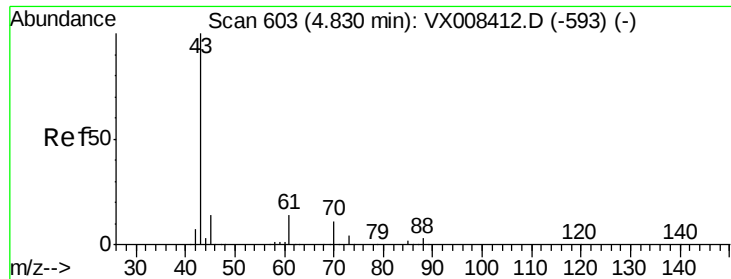


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

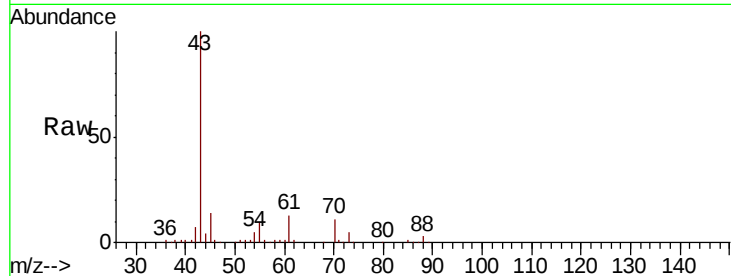




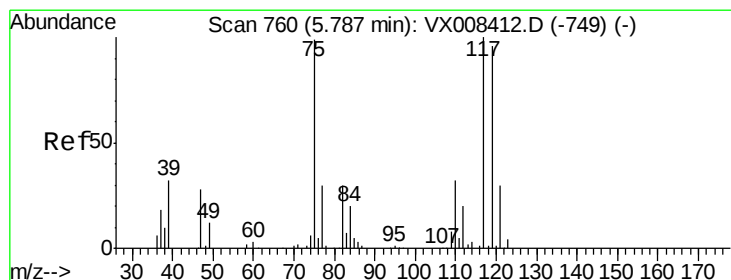
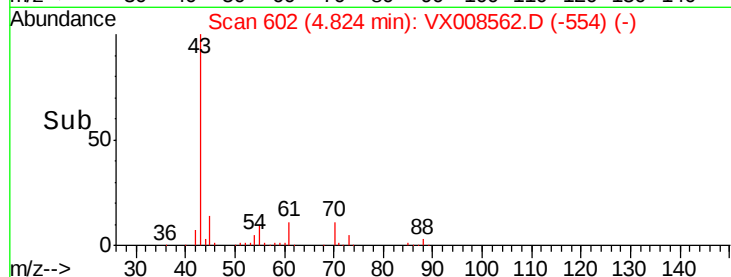
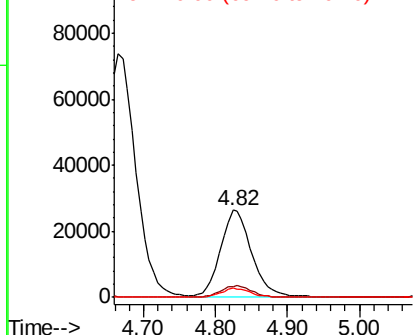
#37
Ethyl Acetate
Concen: 18.031 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Instrument :
MSVOA_X
ClientSampleID :
VX0401WBS01

Tot Ion: 43 Resp: 78530
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 10.1 7.8 11.8

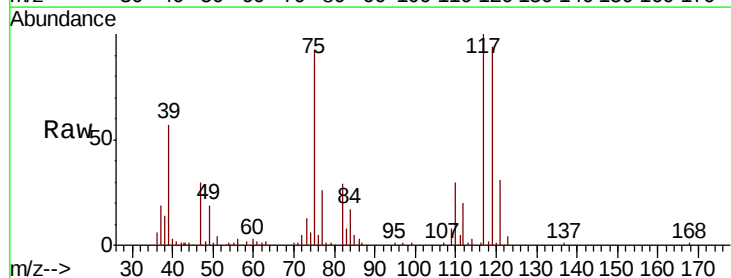


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

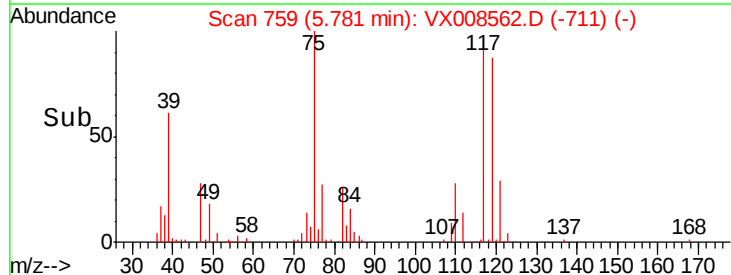
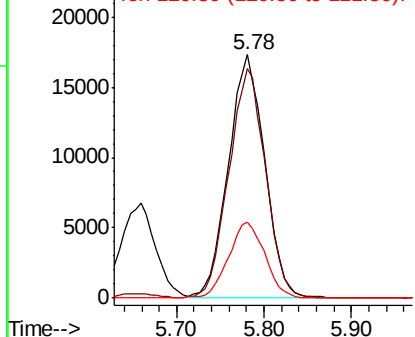


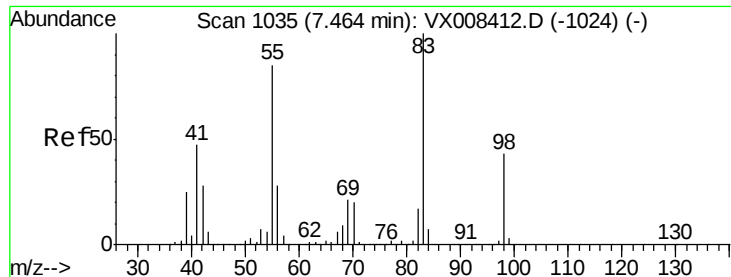
#38
Carbon Tetrachloride
Concen: 17.893 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 117 Resp: 50201
Ion Ratio Lower Upper
117 100
119 94.2 76.7 115.1
121 31.0 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

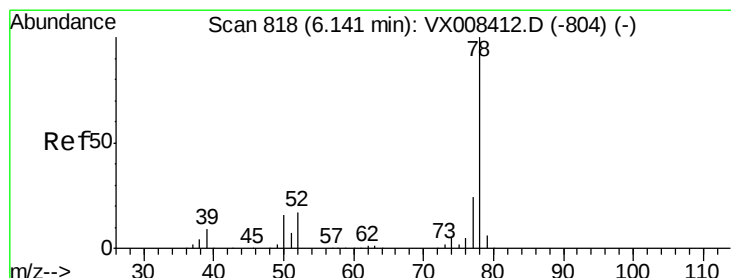
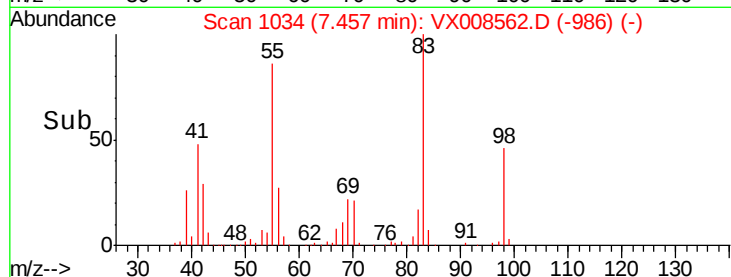
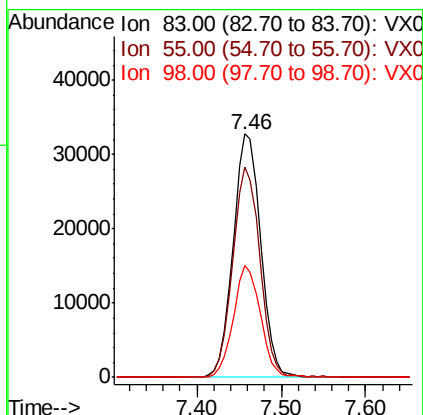
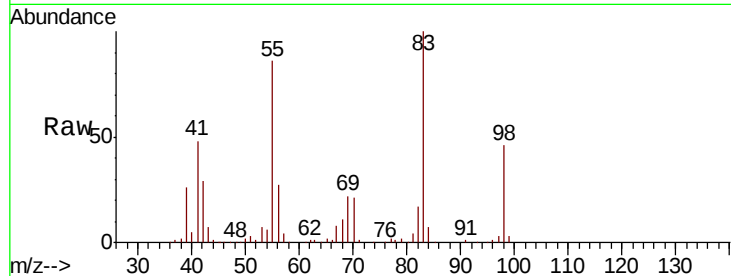




#39
Methvlcvclohexane
Concen: 18.011 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

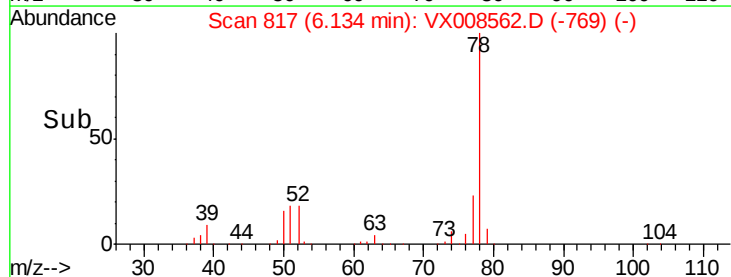
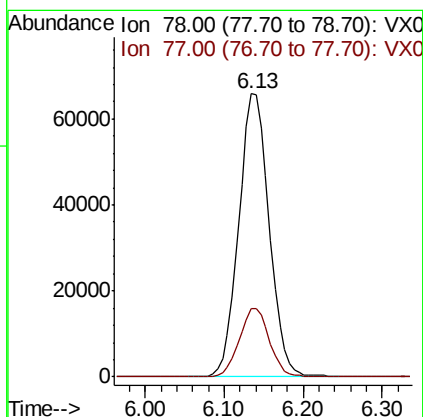
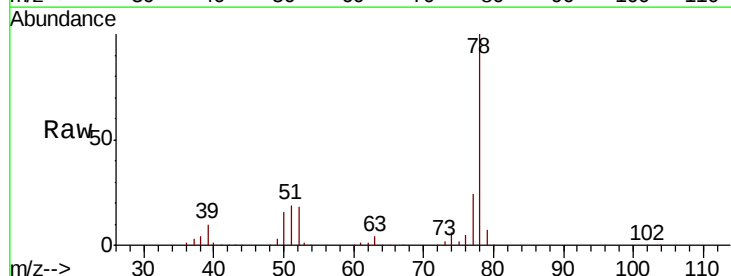
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

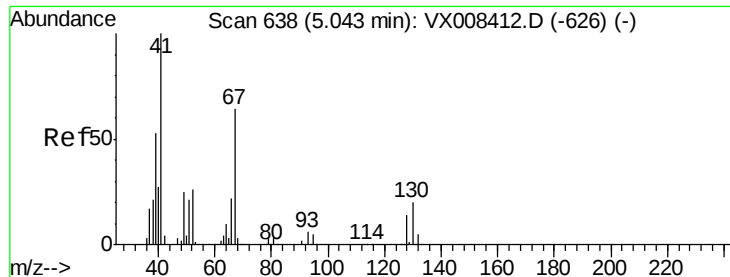
Tot Ion: 83 Resp: 72362
Ion Ratio Lower Upper
83 100
55 86.2 68.2 102.4
98 45.8 34.2 51.4



#40
Benzene
Concen: 17.625 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 78 Resp: 177385
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9





#41

Methacrylonitrile

Concen: 18.020 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

Tot Ion: 41 Resp: 44105

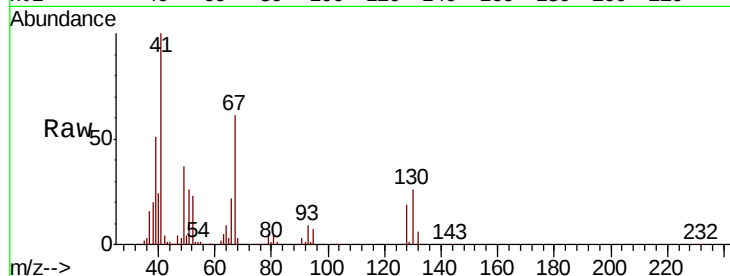
Ion Ratio Lower Upper

41 100

39 55.7 42.6 64.0

67 65.8 52.2 78.4

52 28.6 21.4 32.0

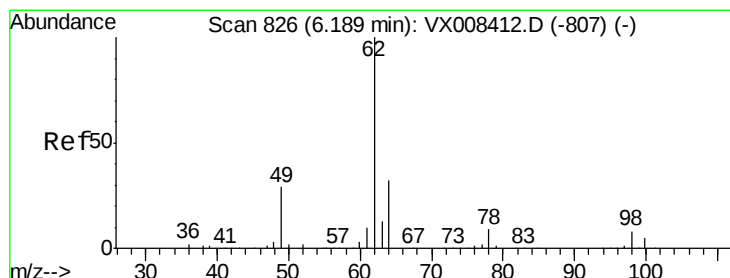
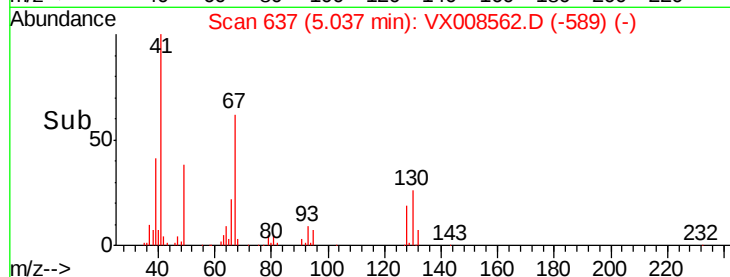
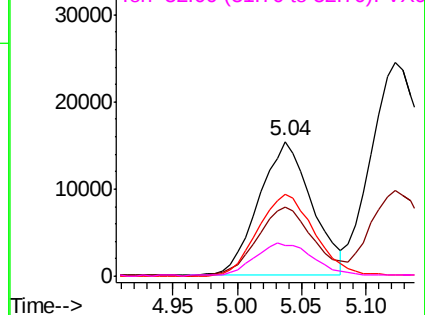


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 17.151 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX008562.D

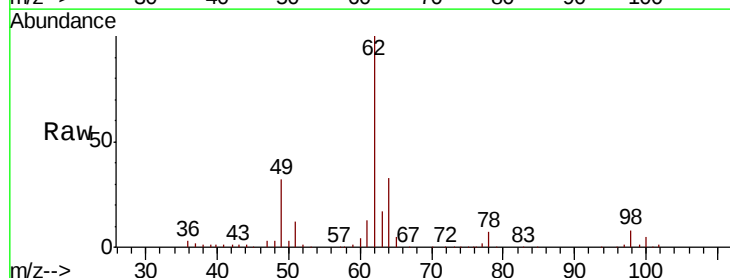
Acq: 01 Apr 2019 12:29

Tgt Ion: 62 Resp: 63200

Ion Ratio Lower Upper

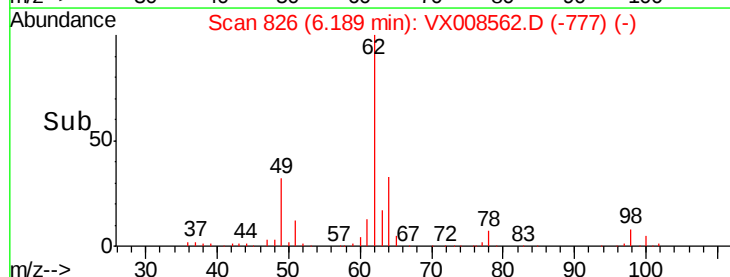
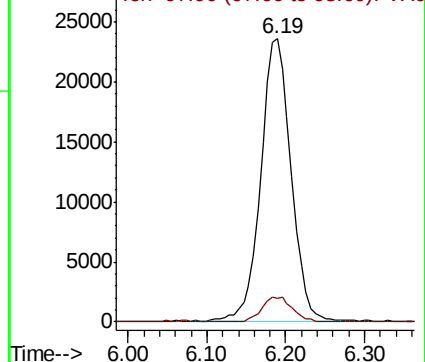
62 100

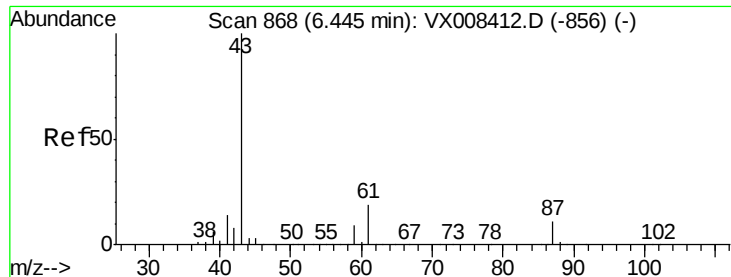
98 8.8 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



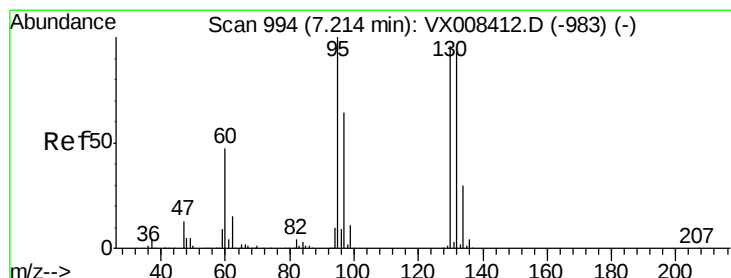
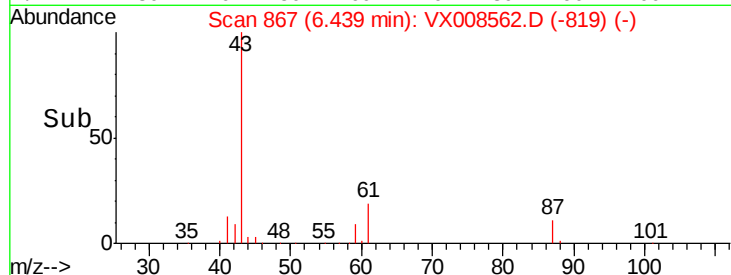
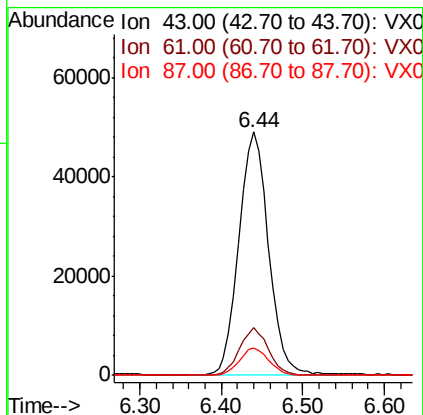
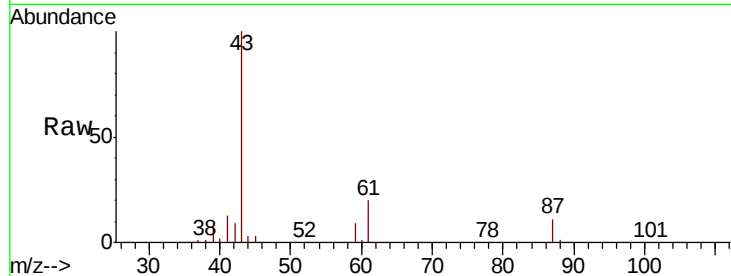


#43

Isopropyl Acetate
 Concen: 17.695 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

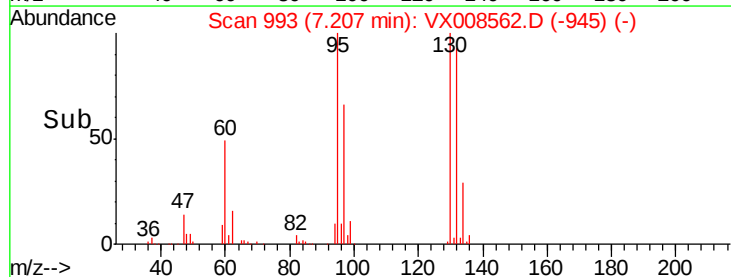
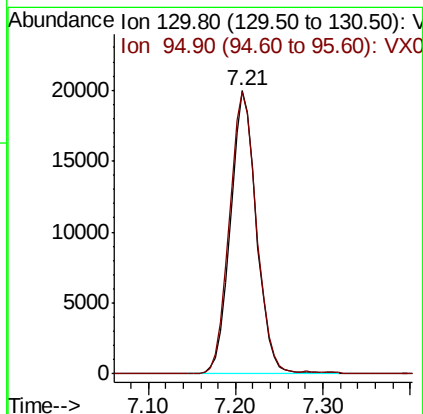
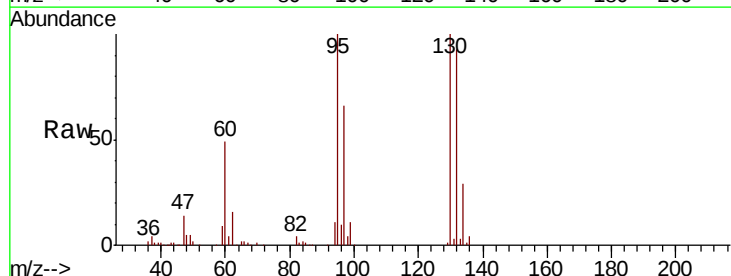
Tot Ion	43	Resp	123267
Ion Ratio	Lower	Upper	
43	100		
61	19.3	15.4	23.2
87	11.2	9.1	13.7

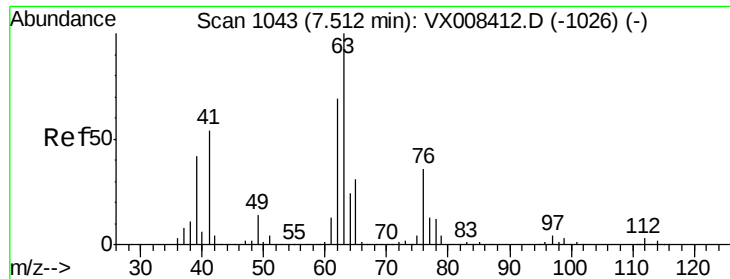


#44

Trichloroethene
 Concen: 17.502 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion	130	Resp	41360
Ion Ratio	Lower	Upper	
130	100		
95	99.8	0.0	208.8





#45

1,2-Dichloropropane

Concen: 17.696 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

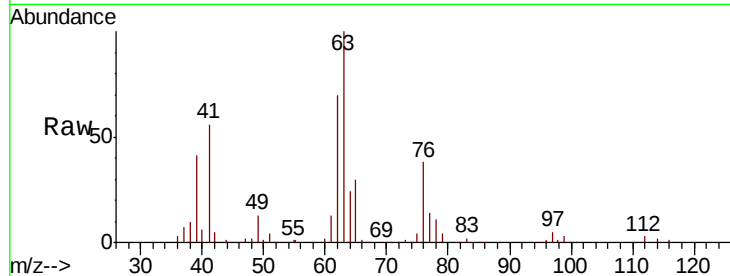
VX0401WBS01

Tot Ion: 63 Resp: 50623

Ion Ratio Lower Upper

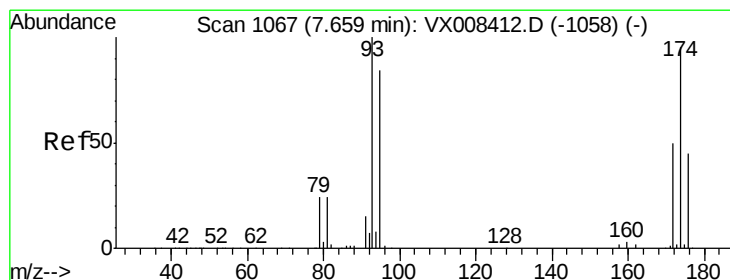
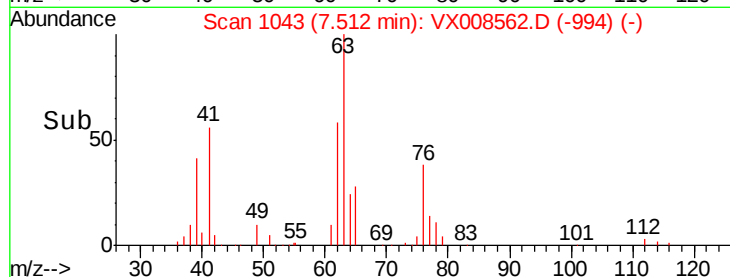
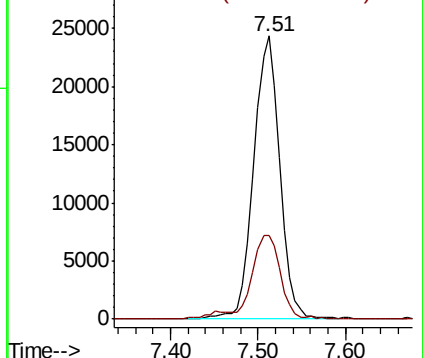
63 100

65 29.2 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.568 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

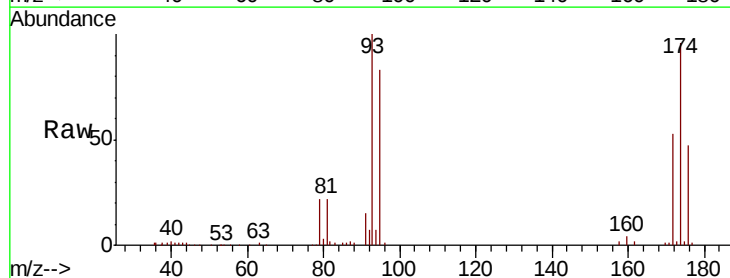
Tgt Ion: 93 Resp: 29348

Ion Ratio Lower Upper

93 100

95 81.2 67.0 100.6

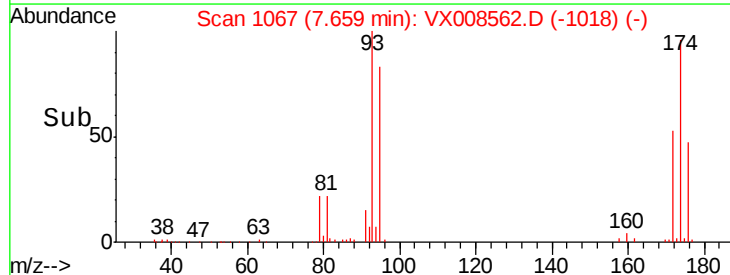
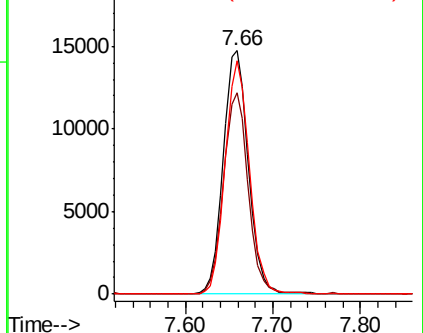
174 92.9 76.0 114.0

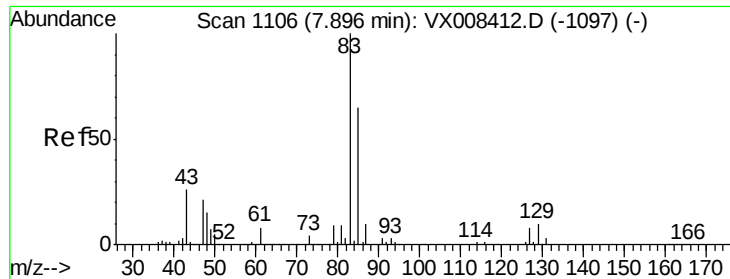


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.028 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

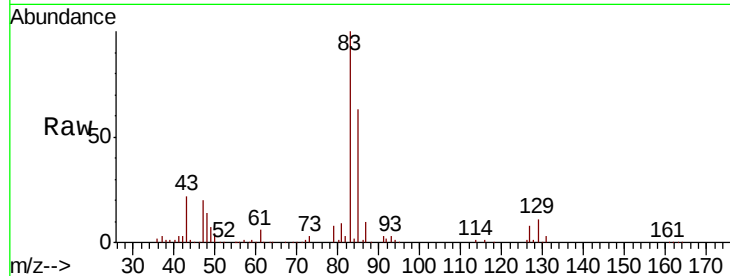
Tot Ion: 83 Resp: 57644

Ion Ratio Lower Upper

83 100

85 63.5 52.0 78.0

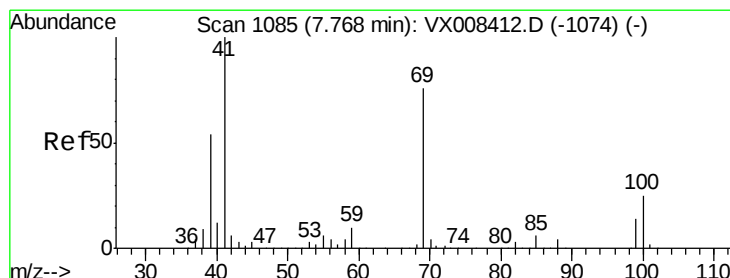
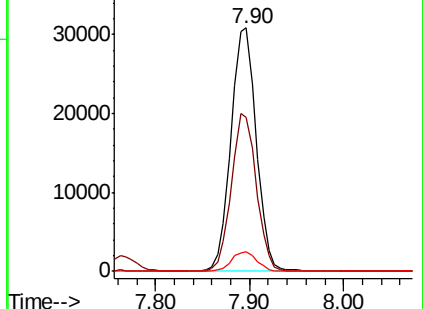
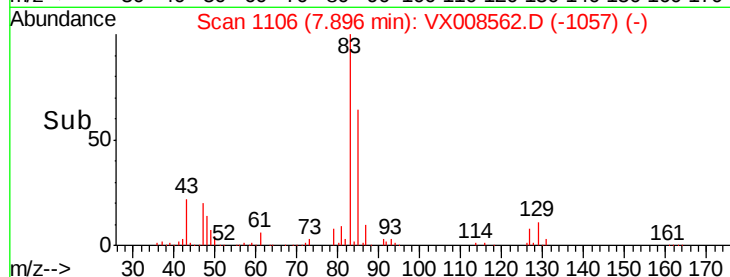
127 8.0 6.4 9.6



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): V



#48

Methyl methacrylate

Concen: 17.807 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

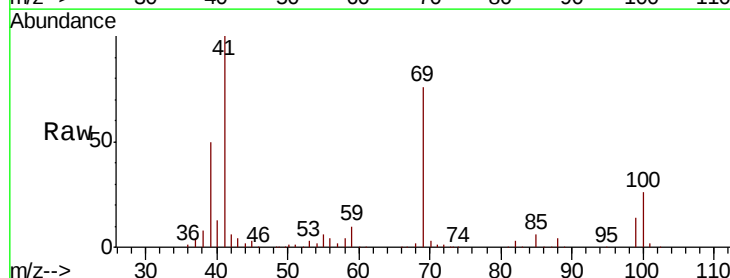
Tgt Ion: 41 Resp: 62067

Ion Ratio Lower Upper

41 100

69 74.9 60.8 91.2

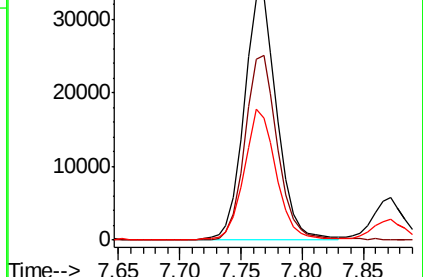
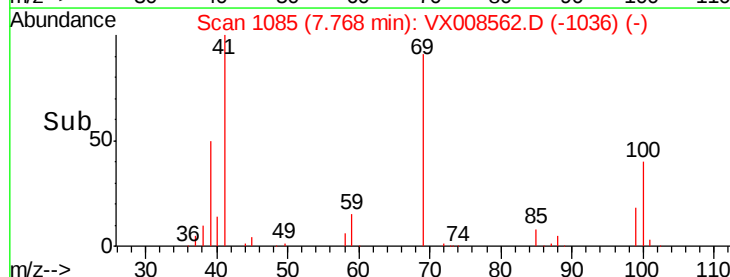
39 51.9 42.3 63.5

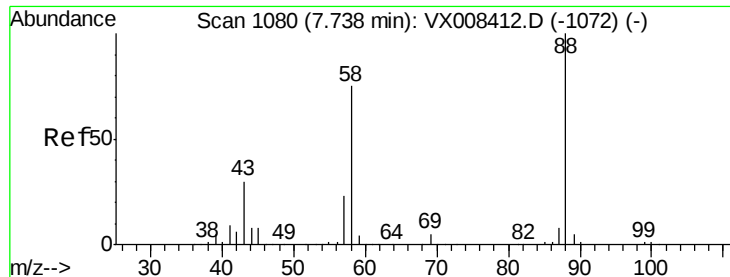


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 361.964 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

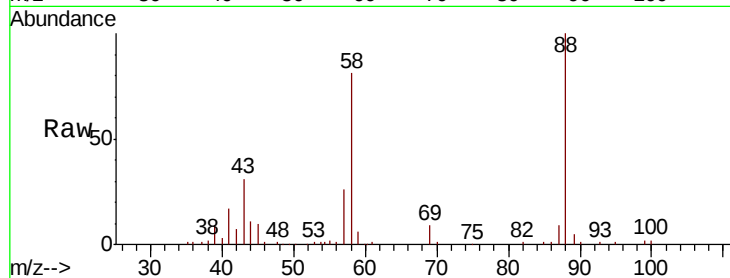
Tot Ion: 88 Resp: 25086

Ion Ratio Lower Upper

88 100

43 36.0 28.6 43.0

58 81.2 63.0 94.4

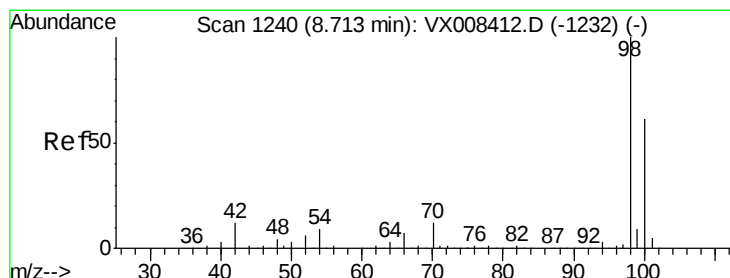
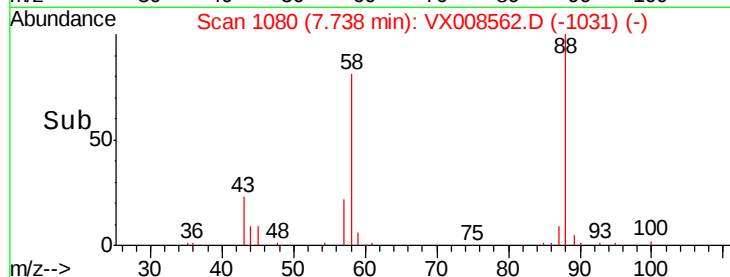
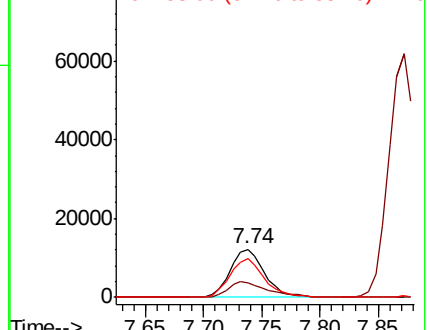


Abundance

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: 51.811 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008562.D

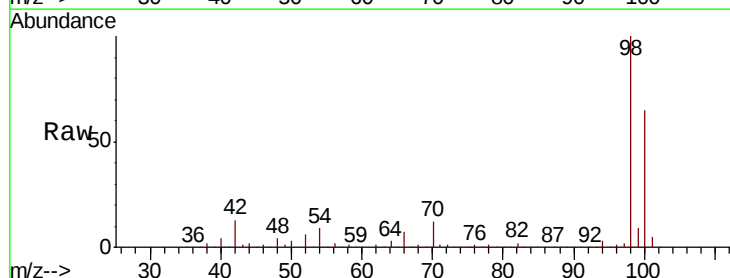
Acq: 01 Apr 2019 12:29

Tgt Ion: 98 Resp: 425928

Ion Ratio Lower Upper

98 100

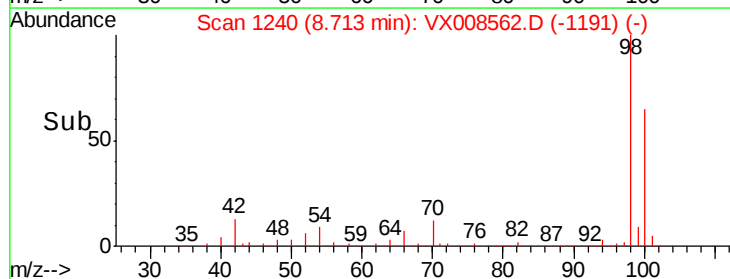
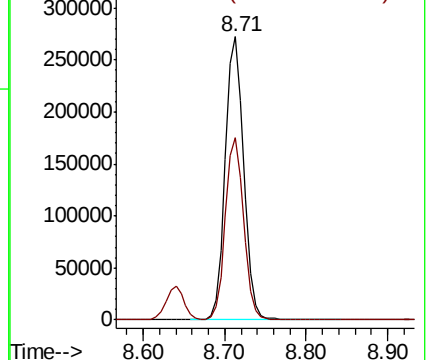
100 63.7 51.1 76.7

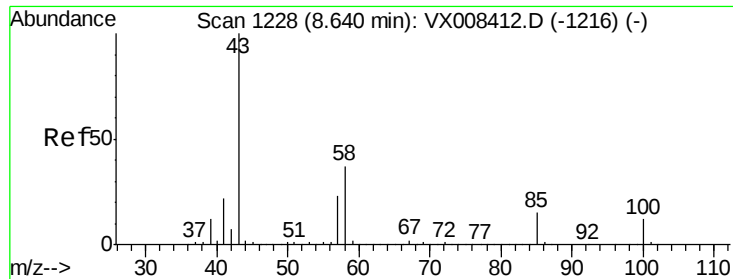


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 90.132 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

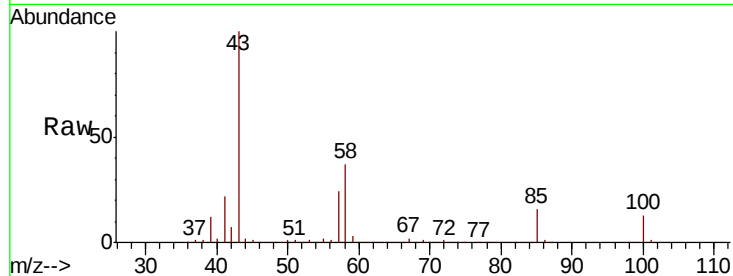
VX0401WBS01

Tot Ion: 43 Resp: 407808

Ion Ratio Lower Upper

43 100

58 37.3 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

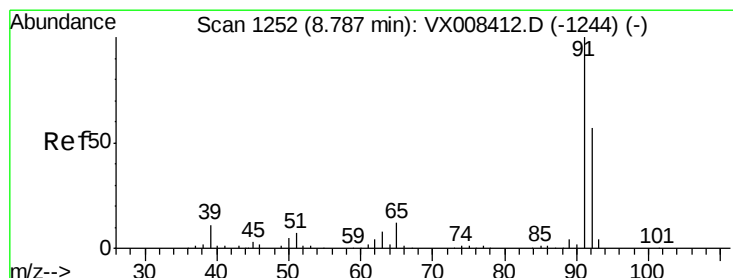
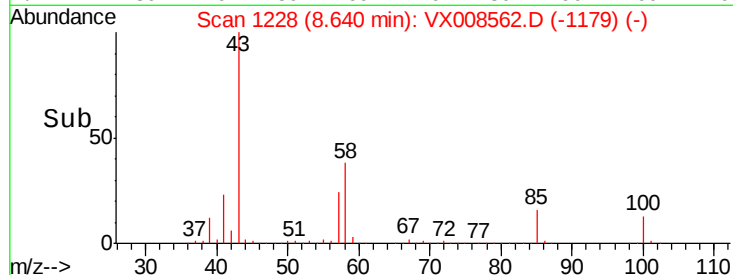
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 17.656 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008562.D

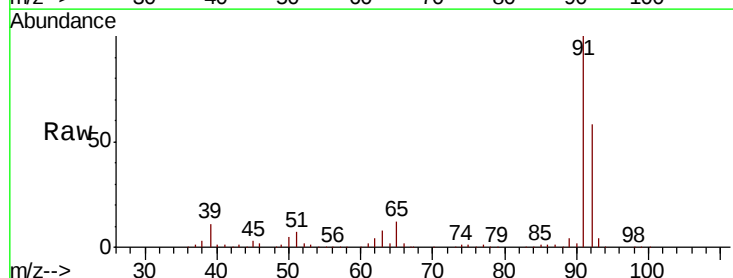
Acq: 01 Apr 2019 12:29

Tgt Ion: 92 Resp: 106250

Ion Ratio Lower Upper

92 100

91 175.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

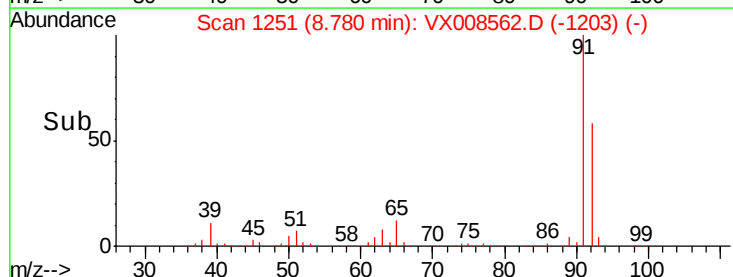
8.78

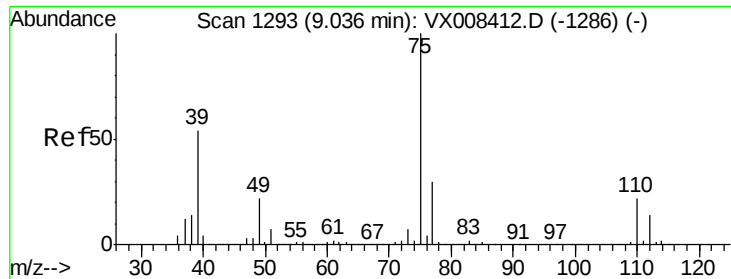
100000

50000

0

Time-->

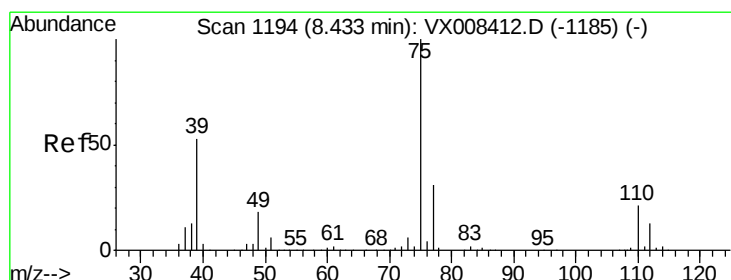
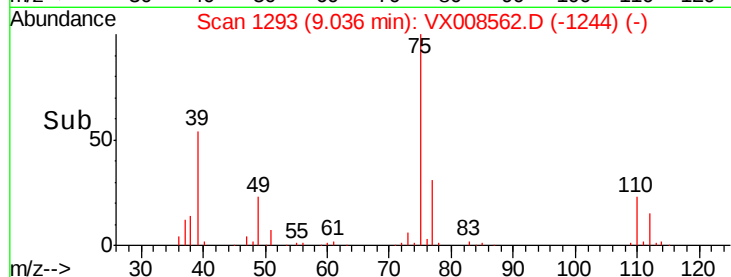
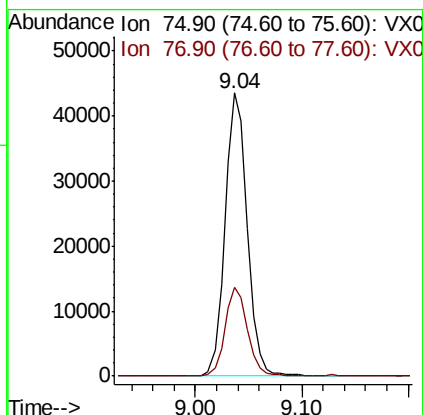
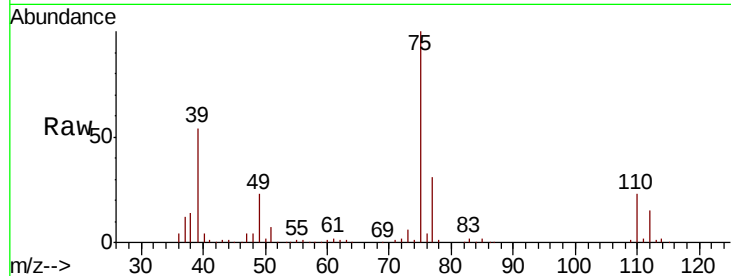




#53
t-1,3-Dichloropropene
Concen: 18.111 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

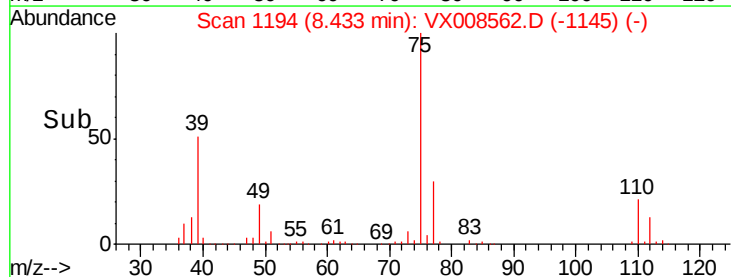
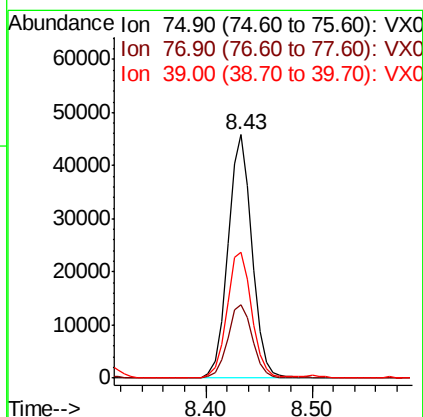
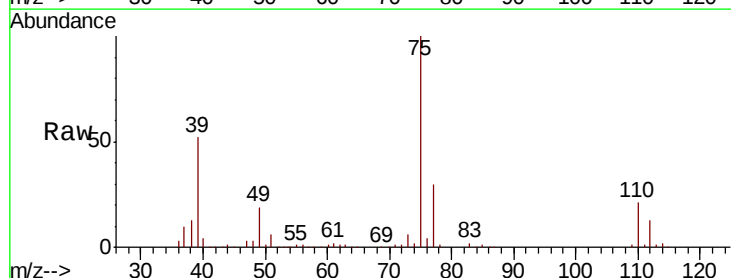
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

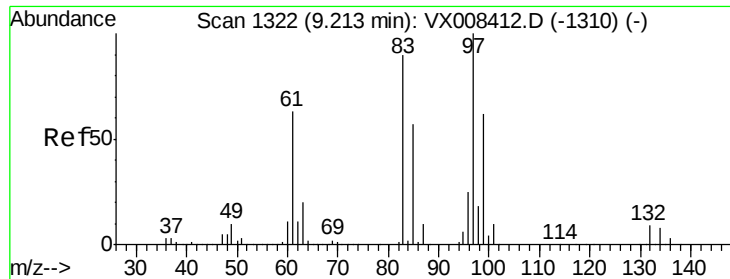
Tot Ion: 75 Resp: 63430
Ion Ratio Lower Upper
75 100
77 31.5 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 18.164 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 75 Resp: 72339
Ion Ratio Lower Upper
75 100
77 30.0 24.7 37.1
39 51.4 42.4 63.6

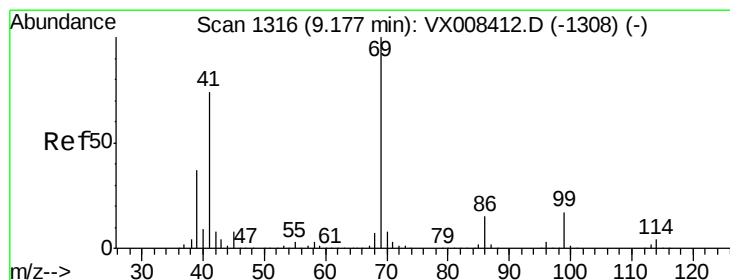
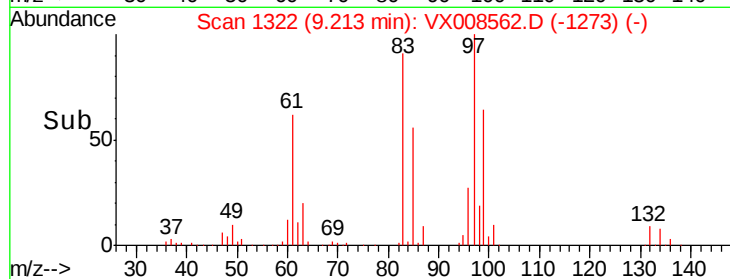
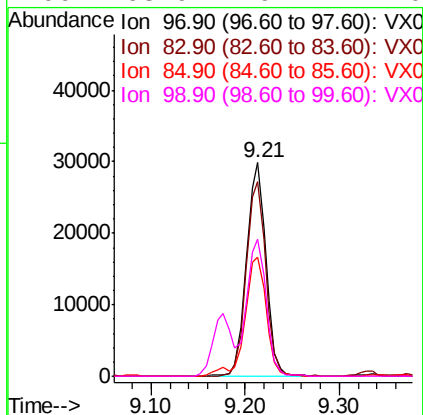
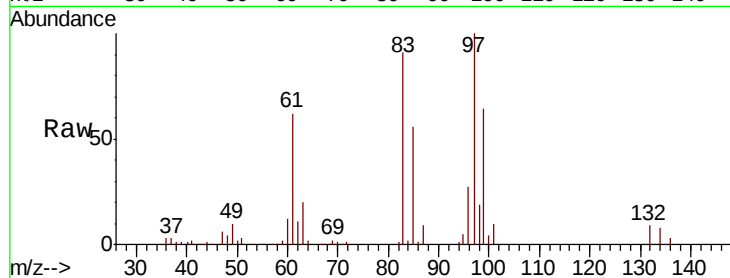




#55
 1,1,2-Trichloroethane
 Concen: 17.675 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

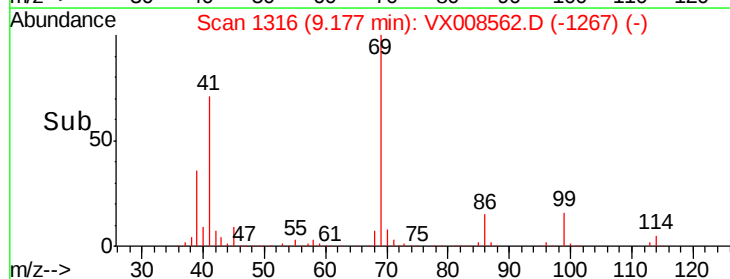
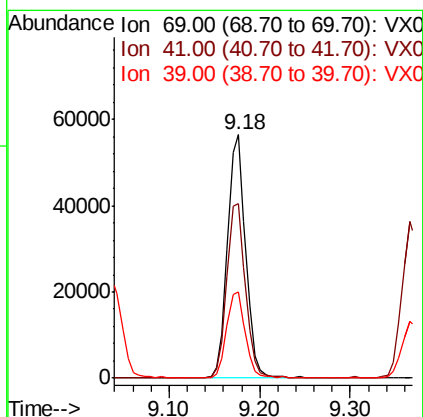
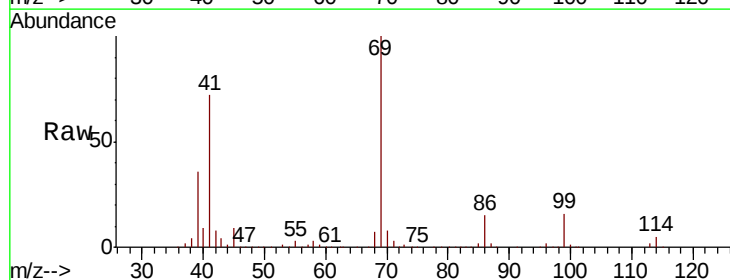
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

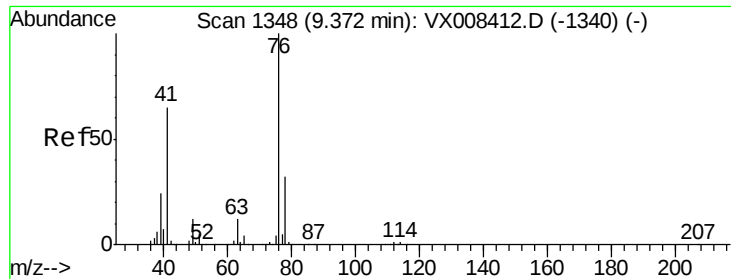
Tot Ion	97	Resp	43297
Ion	Ratio	Lower	Upper
97	100		
83	91.3	71.8	107.6
85	55.9	45.9	68.9
99	63.9	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 17.817 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion	69	Resp	78783
Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.5	89.3
39	36.4	29.3	43.9





#57

1,3-Dichloropropane

Concen: 17.739 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

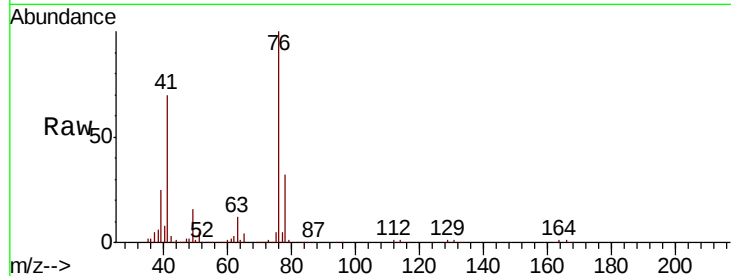
VX0401WBS01

Tot Ion: 76 Resp: 77909

Ion Ratio Lower Upper

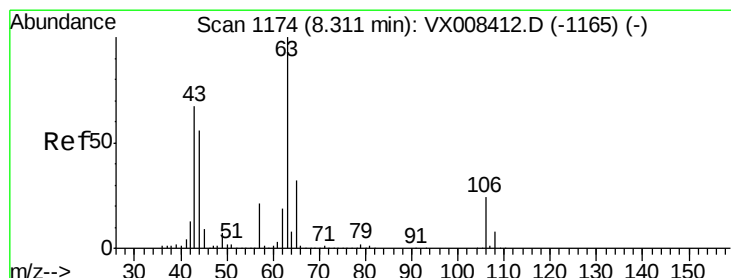
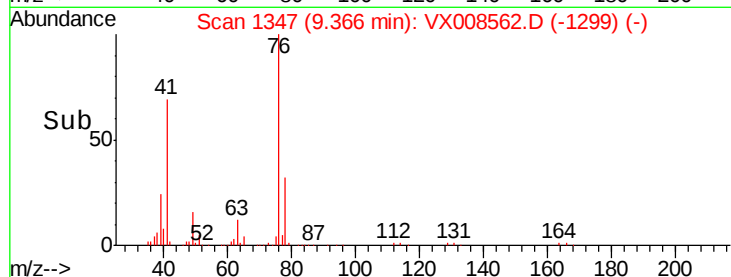
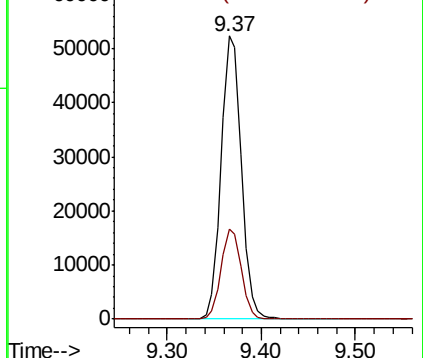
76 100

78 31.9 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: 88.519 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX008562.D

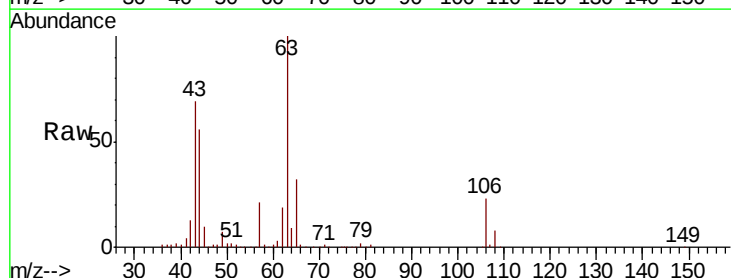
Acq: 01 Apr 2019 12:29

Tgt Ion: 63 Resp: 202331

Ion Ratio Lower Upper

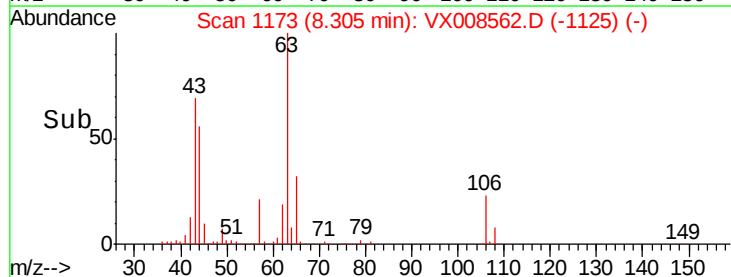
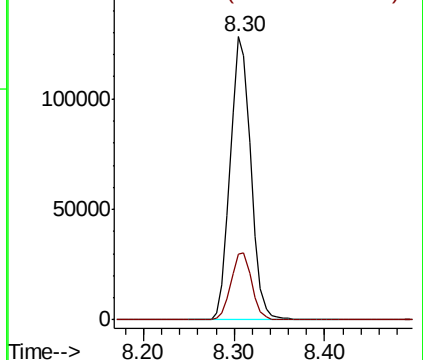
63 100

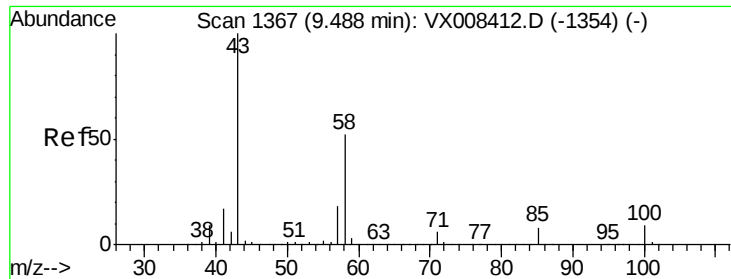
106 24.0 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

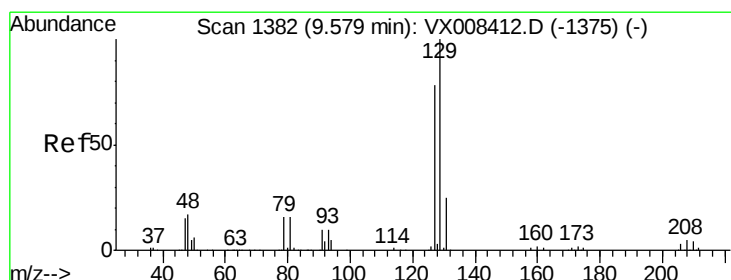
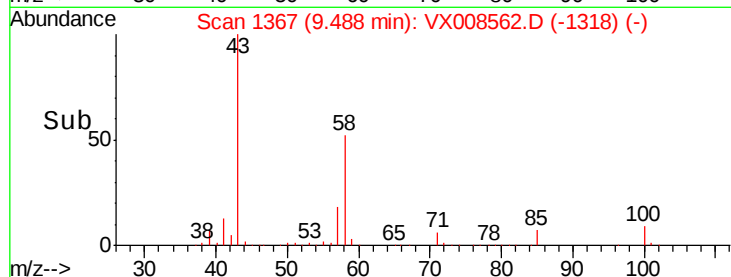
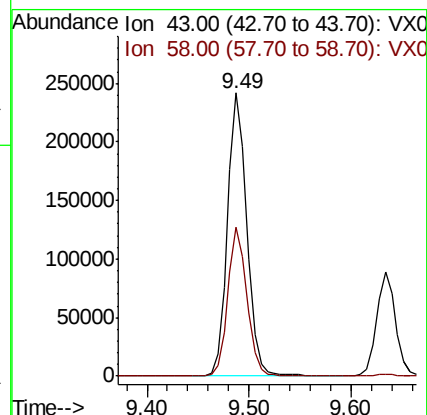
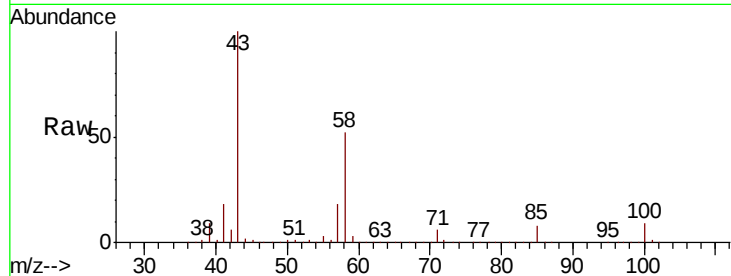




#59
2-Hexanone
Concen: 90.922 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

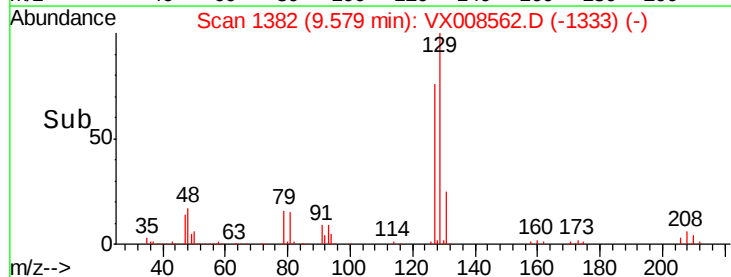
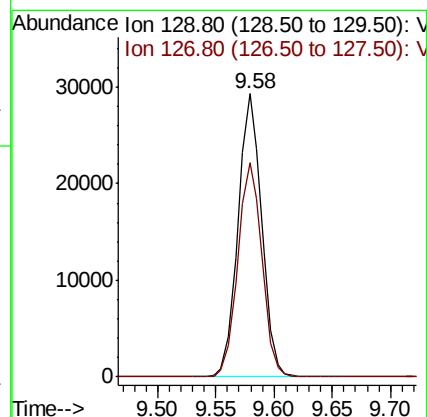
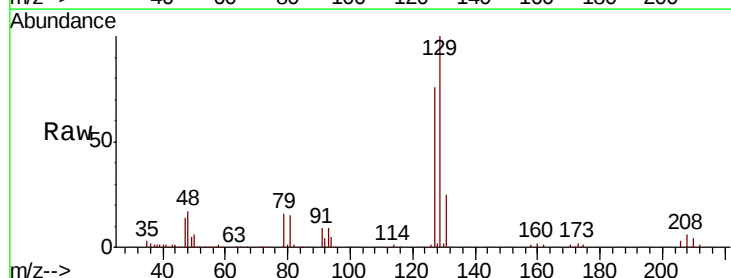
Instrument :
MSVOA_X
ClientSampled :
VX0401WBS01

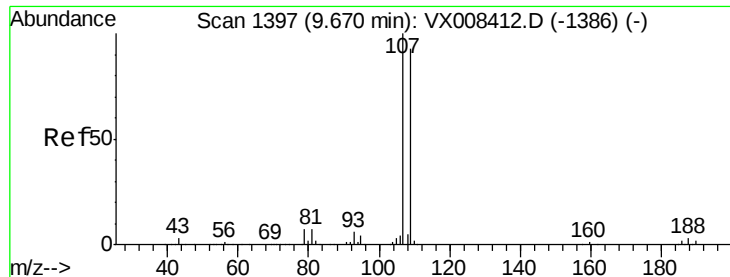
Tot Ion: 43 Resp: 318761
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9



#60
Dibromochloromethane
Concen: 17.806 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion:129 Resp: 41482
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 17.809 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

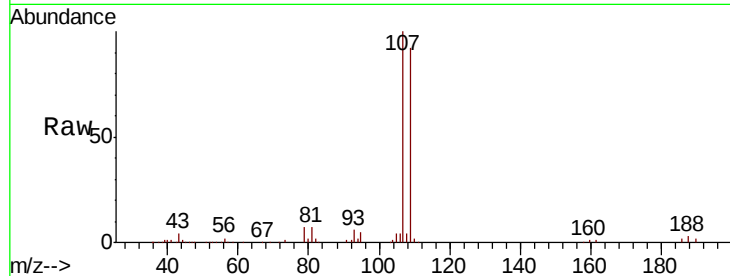
VX0401WBS01

Tot Ion:107 Resp: 44521

Ion Ratio Lower Upper

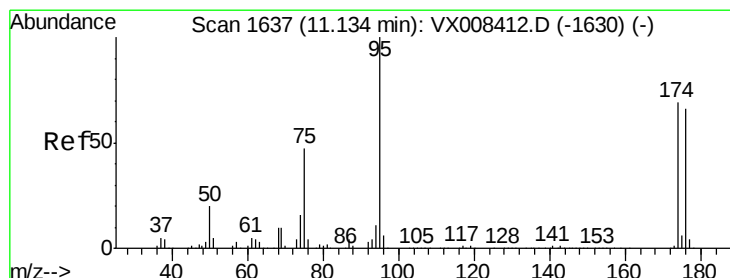
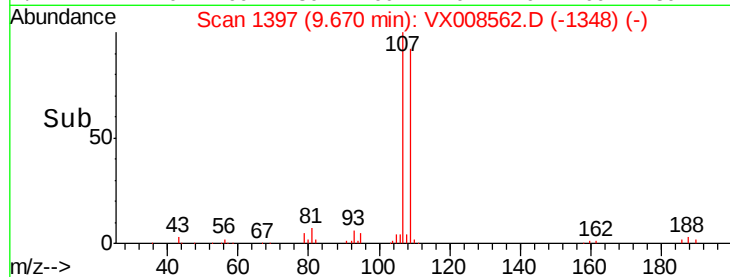
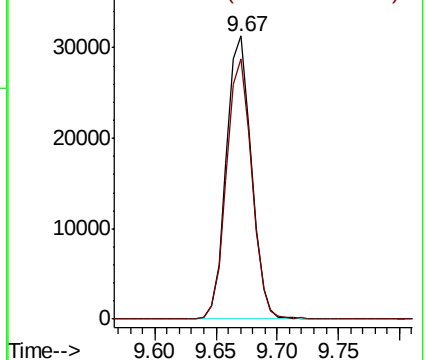
107 100

109 93.0 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: 52.226 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

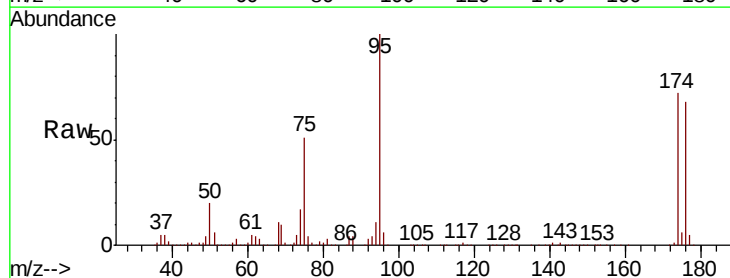
Tgt Ion: 95 Resp: 159098

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.2

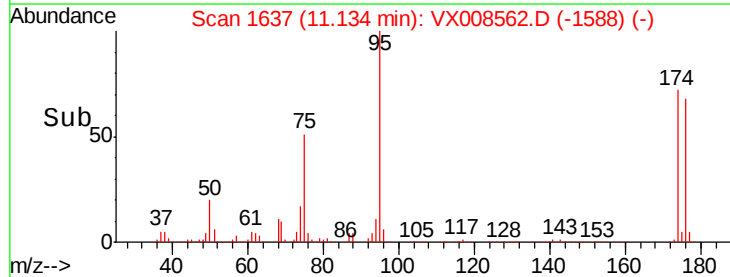
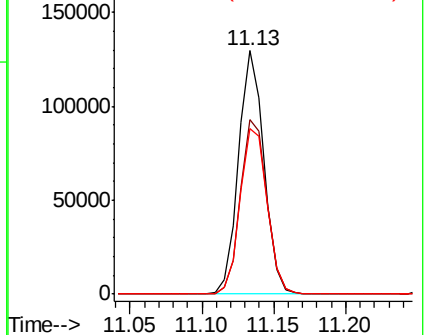
176 72.2 0.0 142.4

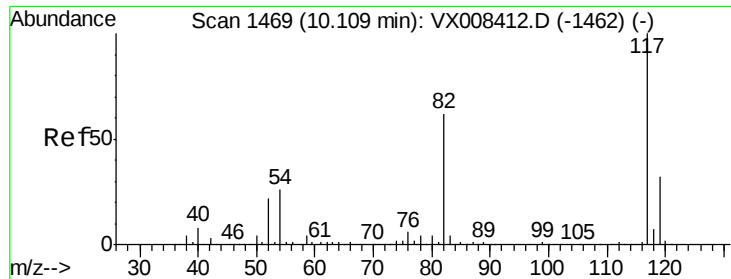


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

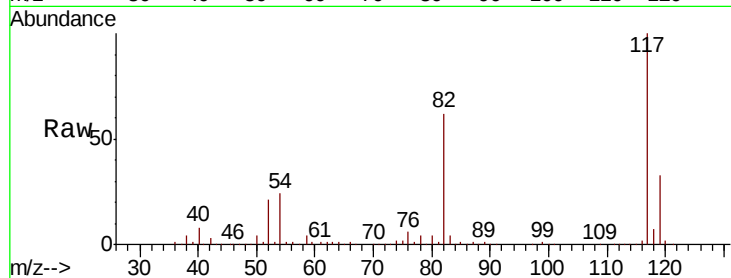




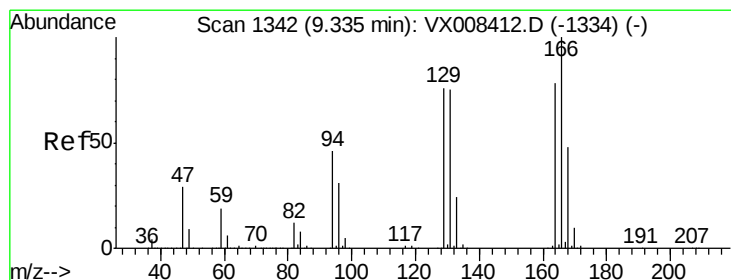
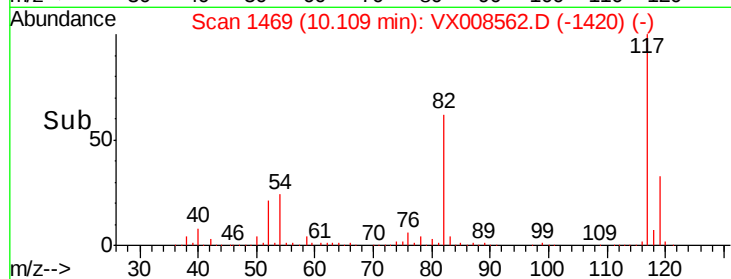
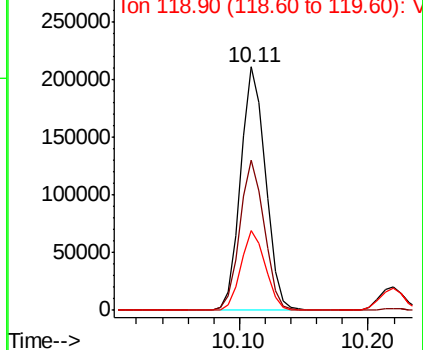
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

Tot Ion:117 Resp: 281535
Ion Ratio Lower Upper
117 100
82 61.9 49.4 74.2
119 32.8 25.4 38.0

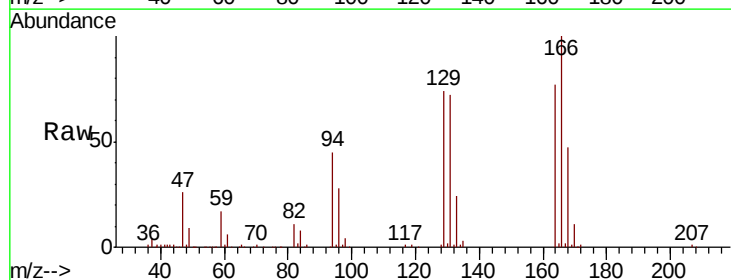


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

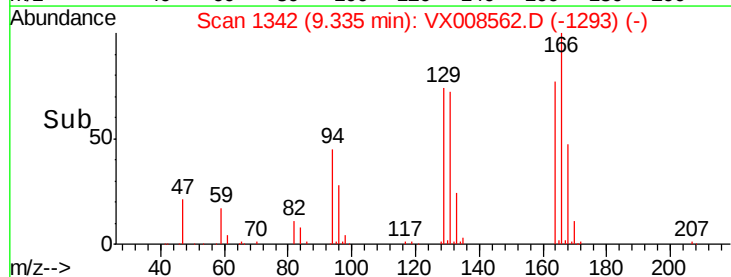
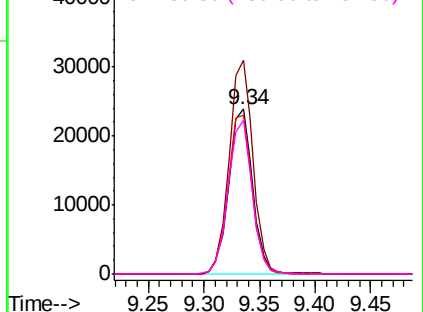


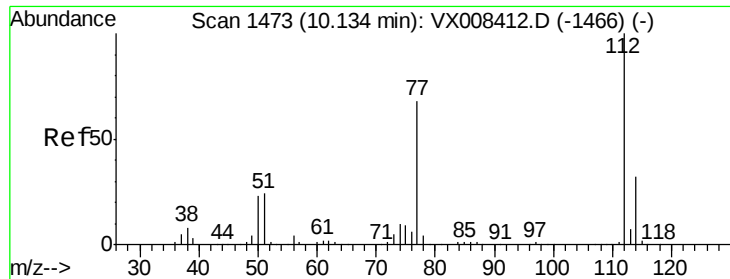
#64
Tetrachloroethene
Concen: 18.623 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion:164 Resp: 35495
Ion Ratio Lower Upper
164 100
166 129.8 102.5 153.7
129 96.3 77.8 116.8
131 93.1 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

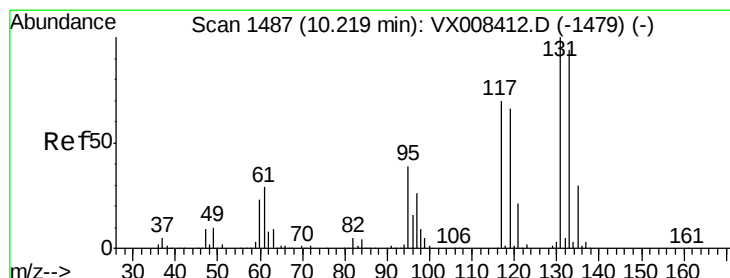
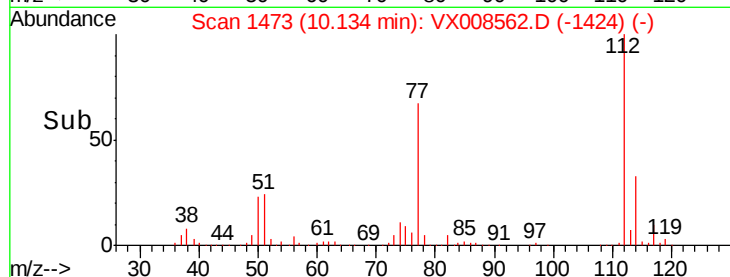
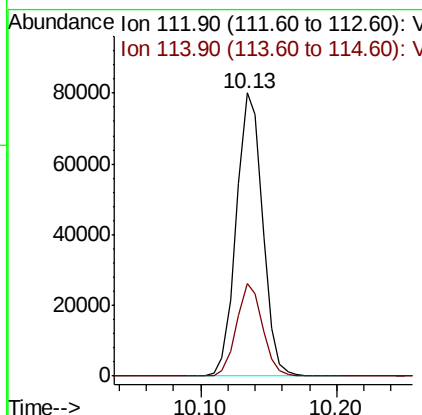
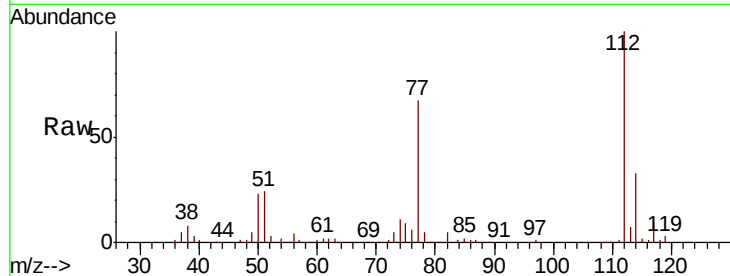




#65
Chlorobenzene
Concen: 17.663 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

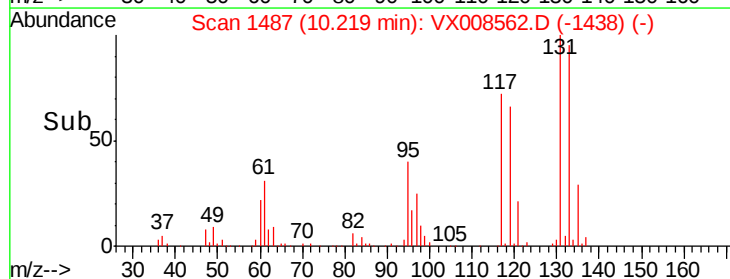
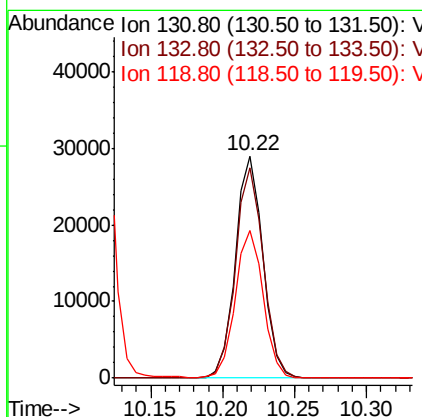
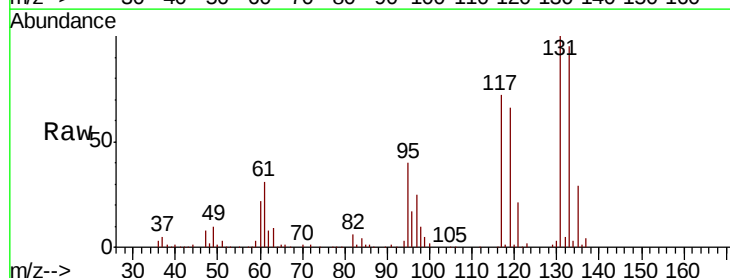
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

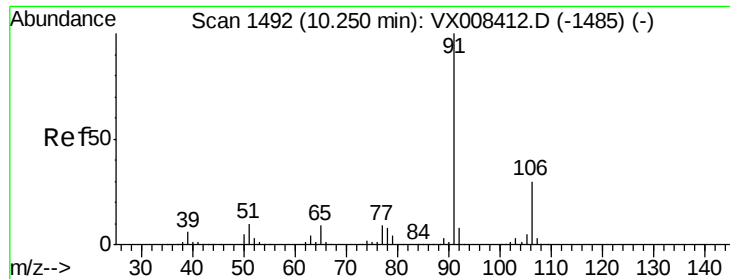
Tot Ion:112 Resp: 108145
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.235 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion:131 Resp: 38518
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.8
119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 18.022 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

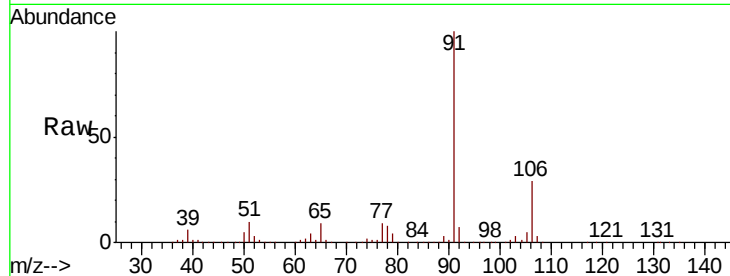
VX0401WBS01

Tot Ion: 91 Resp: 208244

Ion Ratio Lower Upper

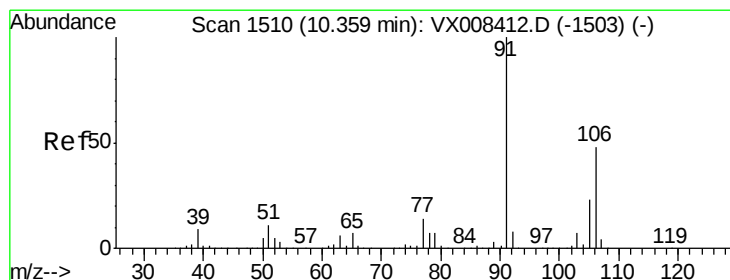
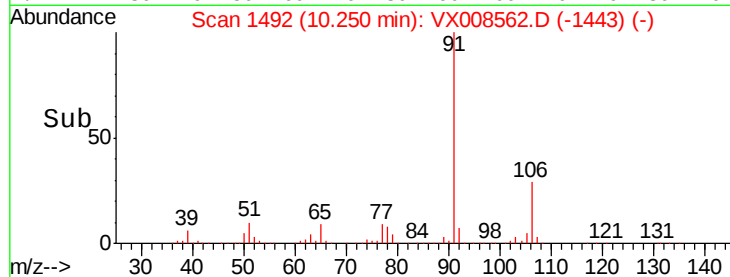
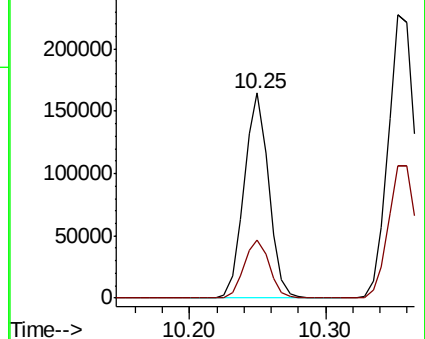
91 100

106 28.6 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 35.973 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008562.D

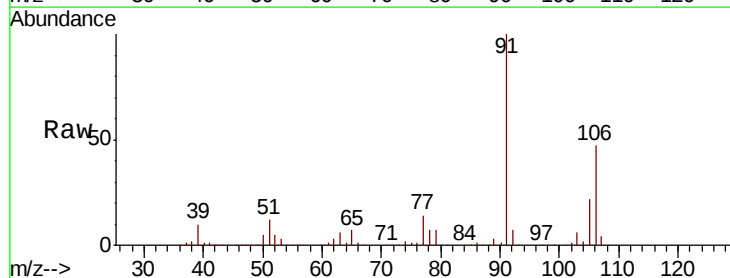
Acq: 01 Apr 2019 12:29

Tgt Ion:106 Resp: 151217

Ion Ratio Lower Upper

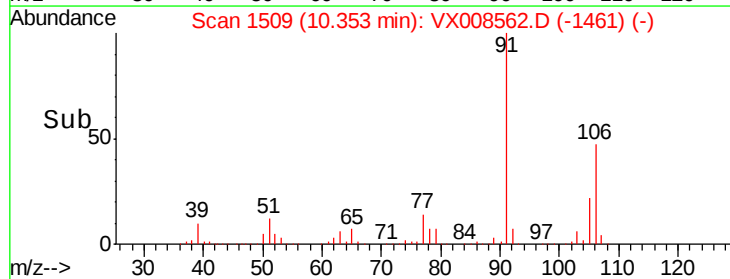
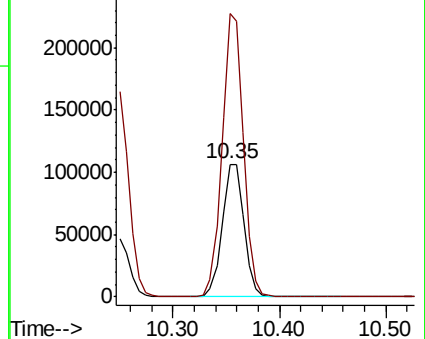
106 100

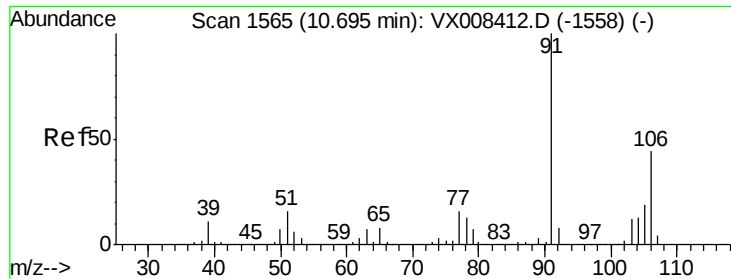
91 208.8 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

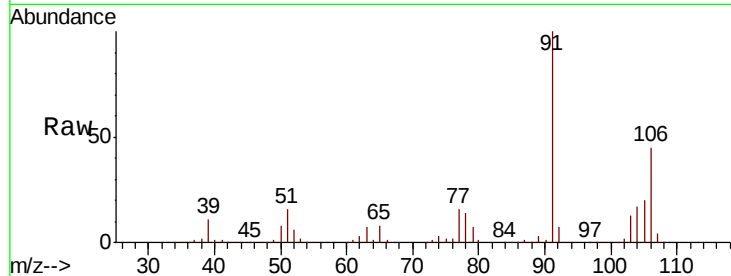




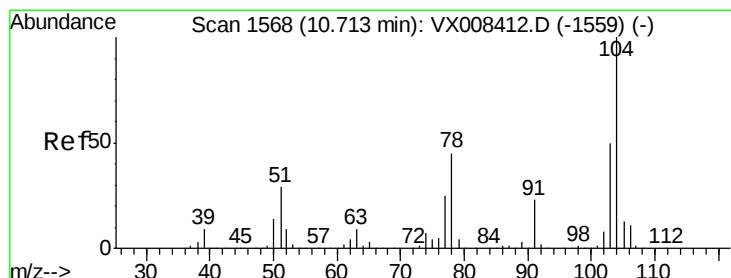
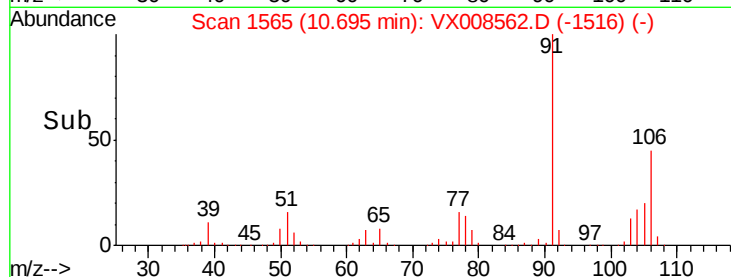
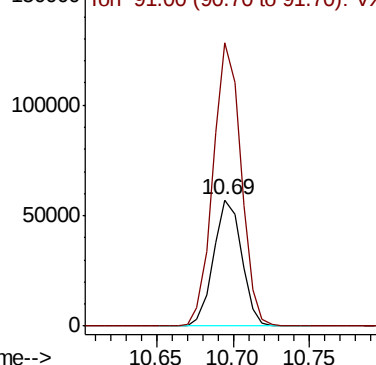
#69
o-Xylene
Concen: 17.939 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Instrument :
MSVOA_X
ClientSampled :
VX0401WBS01

Tot Ion:106 Resp: 73178
Ion Ratio Lower Upper
106 100
91 222.8 111.4 334.2

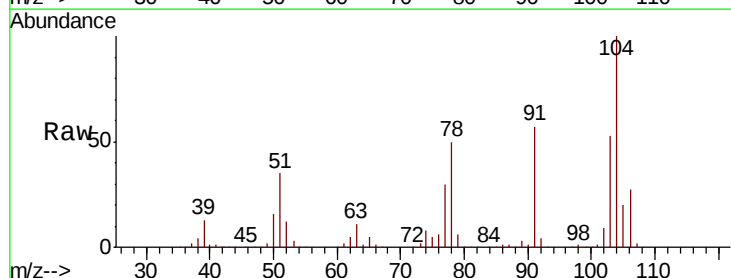


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

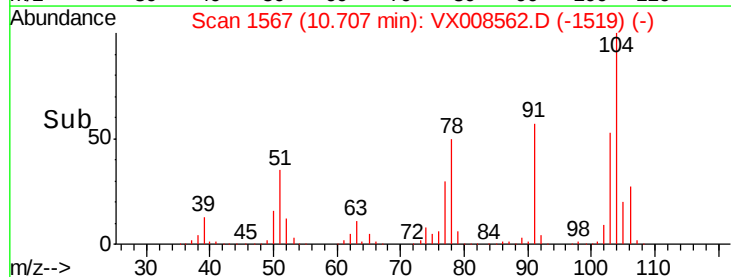
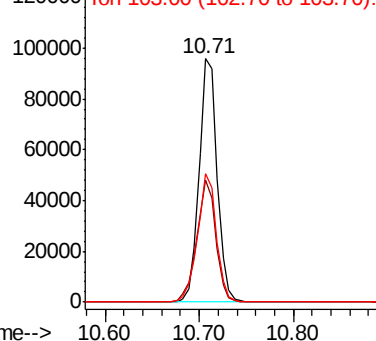


#70
Styrene
Concen: 18.085 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion:104 Resp: 127435
Ion Ratio Lower Upper
104 100
78 53.0 42.5 63.7
103 55.0 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: 17.698 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

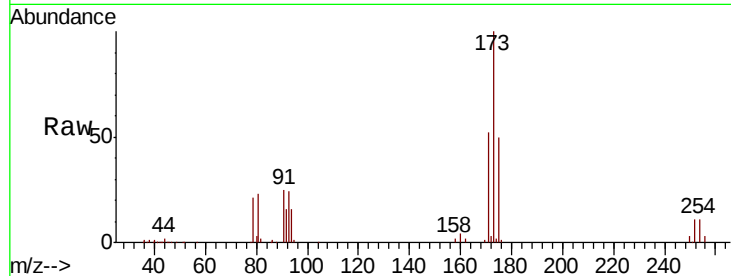
Tot Ion:173 Resp: 29523

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

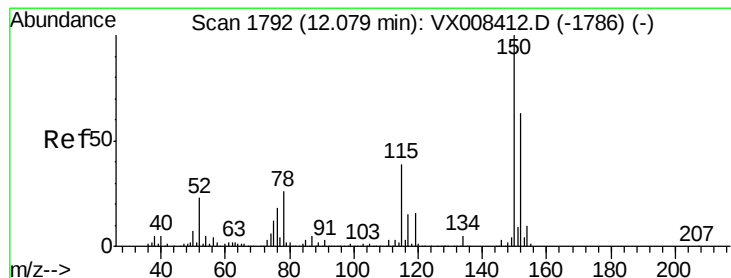
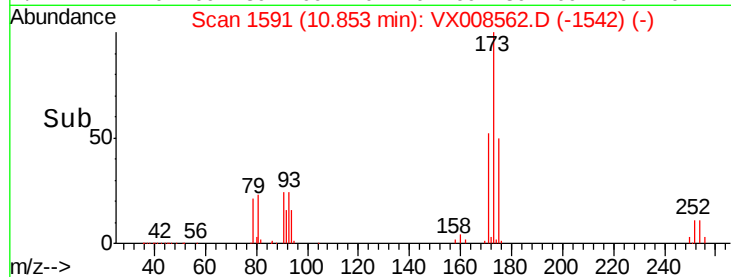
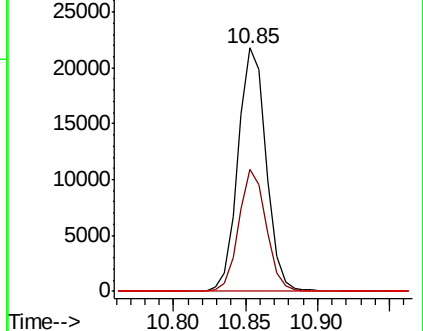
254 0.0 0.2 0.2#



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: VX008562.D

Acq: 01 Apr 2019 12:29

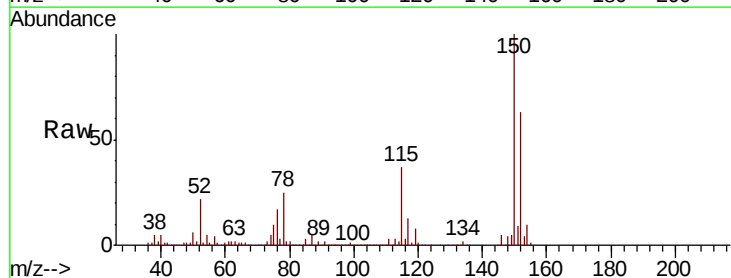
Tgt Ion:152 Resp: 134047

Ion Ratio Lower Upper

152 100

115 69.7 43.5 130.5

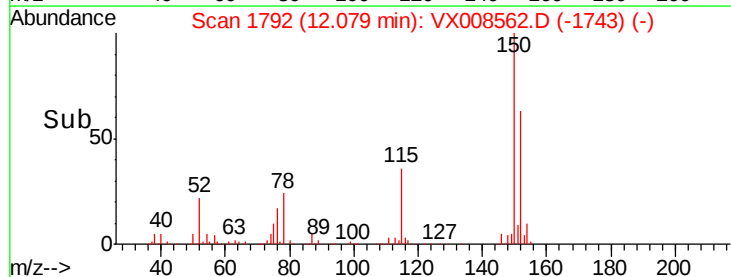
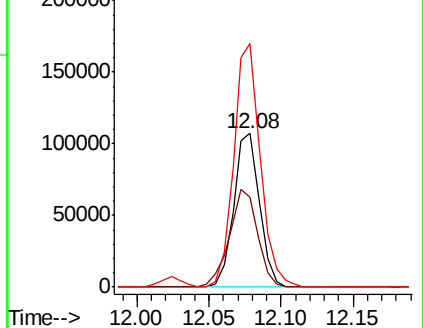
150 163.2 0.0 348.8

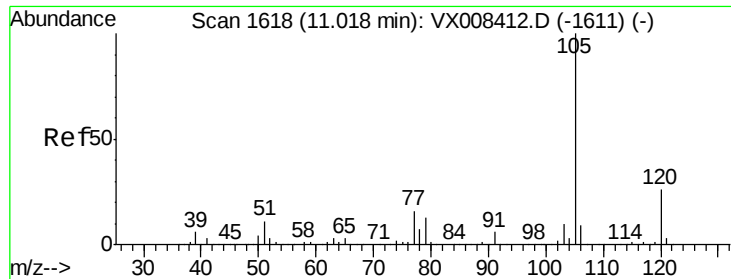


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.028 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

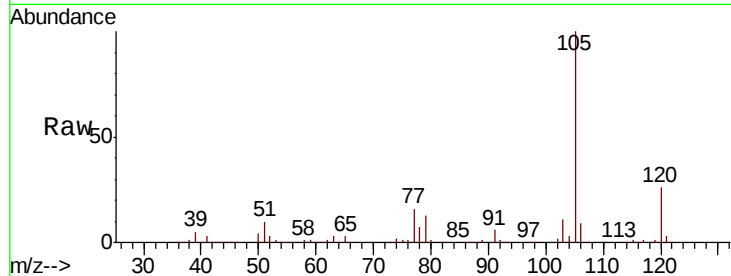
VX0401WBS01

Tot Ion: 105 Resp: 196606

Ion Ratio Lower Upper

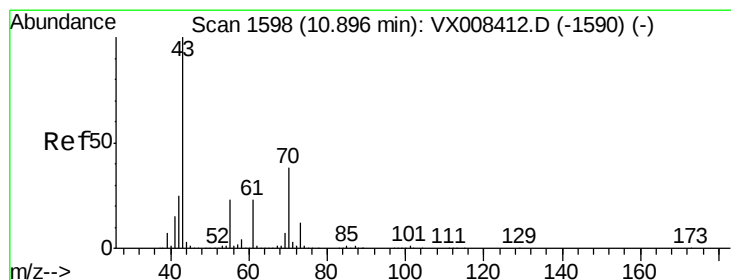
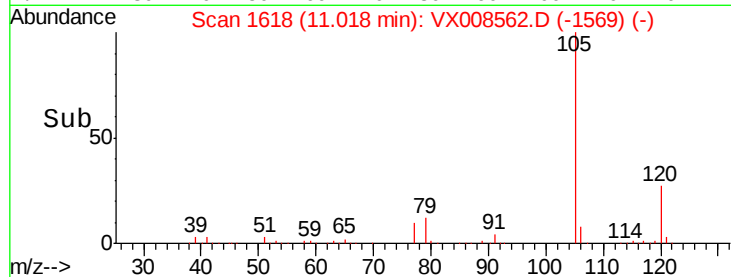
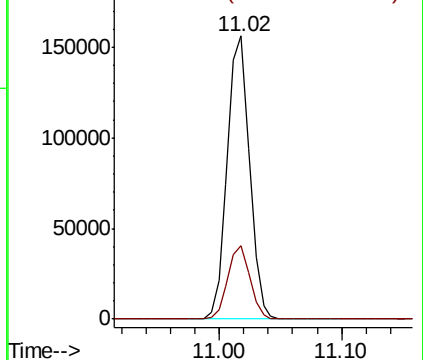
105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.736 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Tgt Ion: 43 Resp: 111952

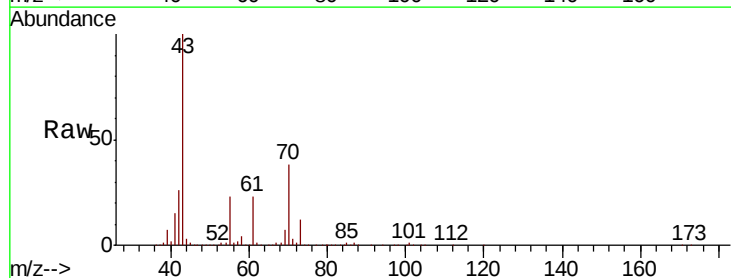
Ion Ratio Lower Upper

43 100

70 38.1 30.5 45.7

55 23.2 18.2 27.2

61 22.7 18.4 27.6

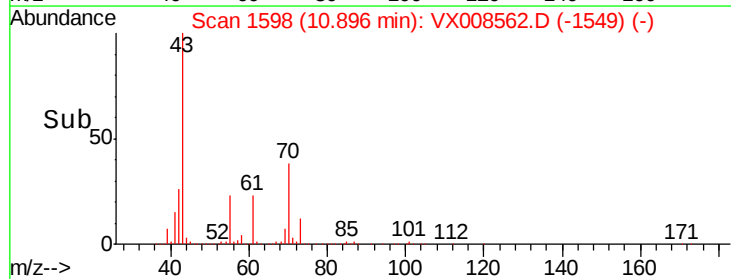
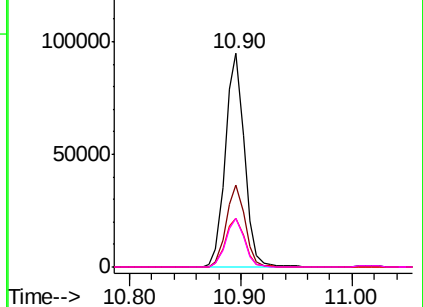


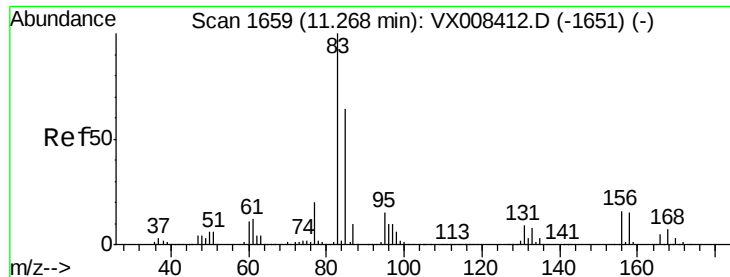
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.096 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

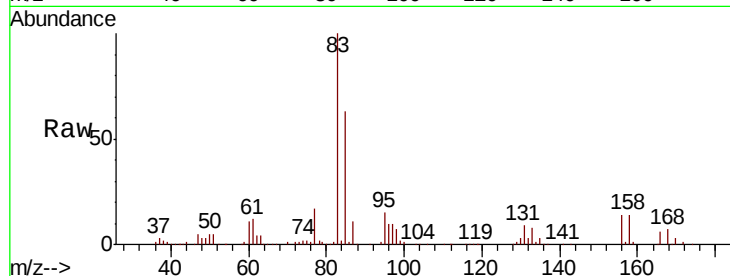
Tot Ion: 83 Resp: 72336

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.4

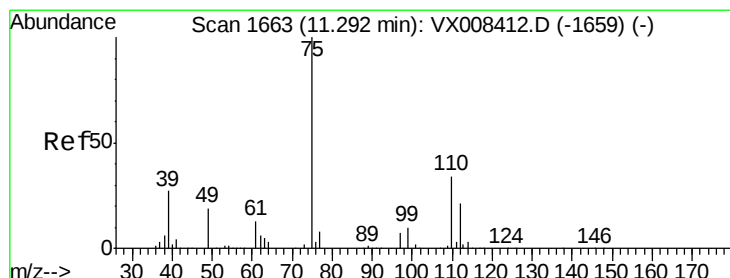
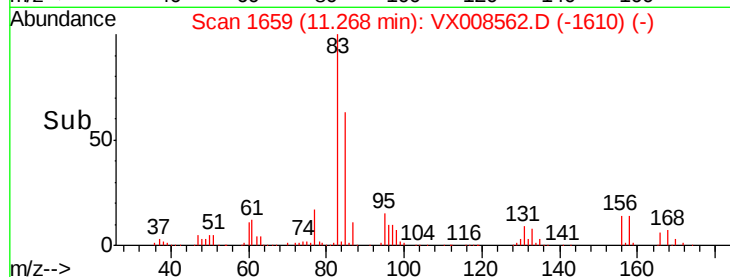
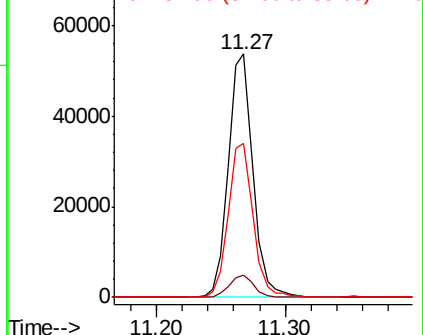
85 64.0 31.9 95.9



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: 20.595 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008562.D

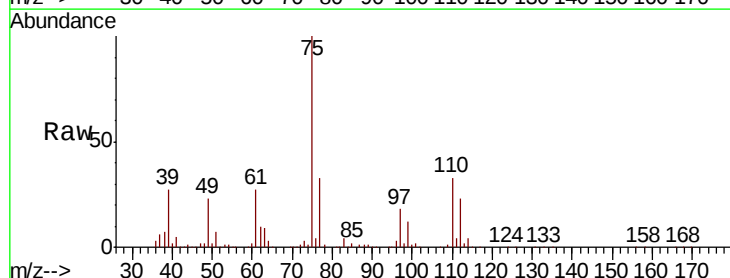
Acq: 01 Apr 2019 12:29

Tgt Ion: 75 Resp: 82072

Ion Ratio Lower Upper

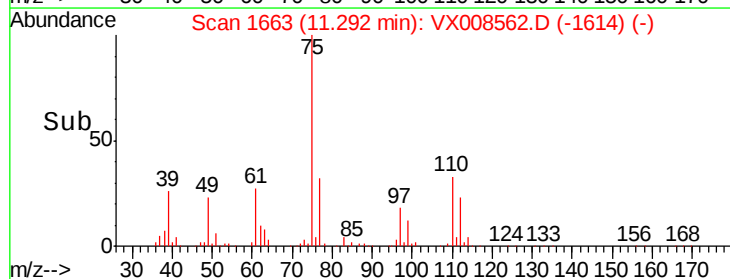
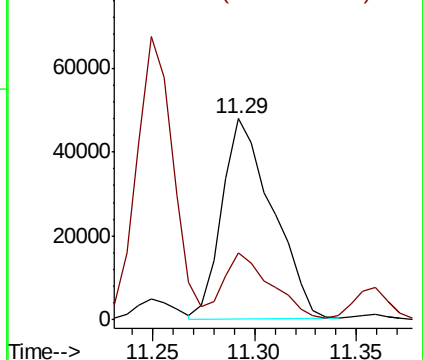
75 100

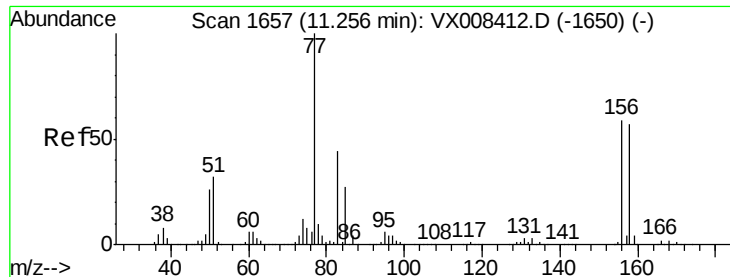
77 31.6 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.544 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

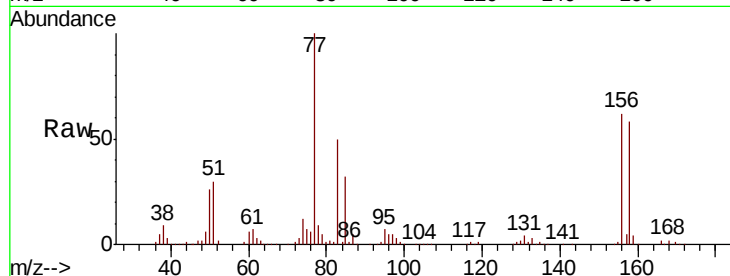
Tot Ion:156 Resp: 46434

Ion Ratio Lower Upper

156 100

77 180.2 91.1 273.3

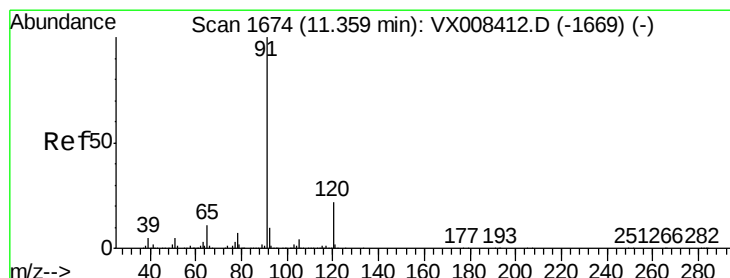
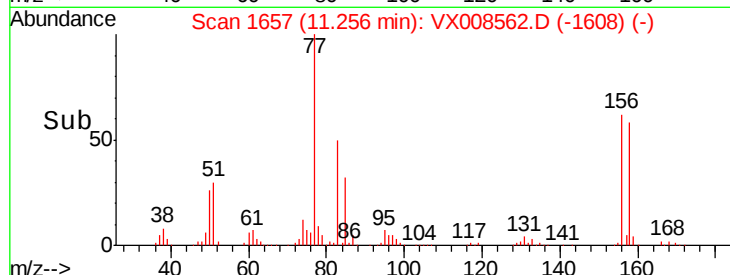
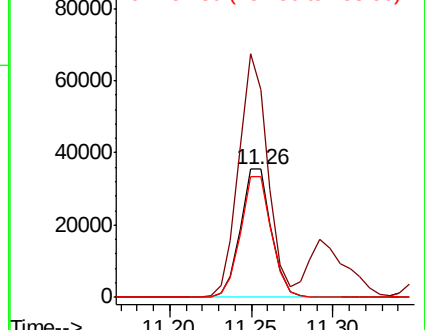
158 95.2 48.3 144.8



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: 18.060 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008562.D

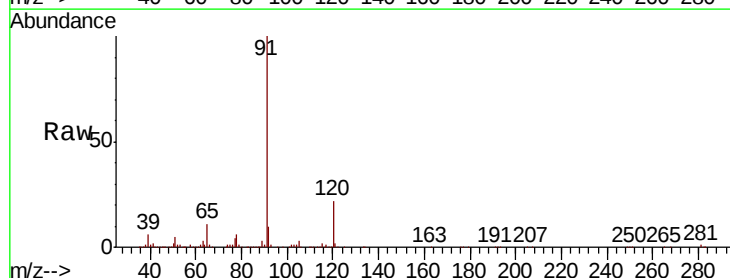
Acq: 01 Apr 2019 12:29

Tgt Ion: 91 Resp: 230713

Ion Ratio Lower Upper

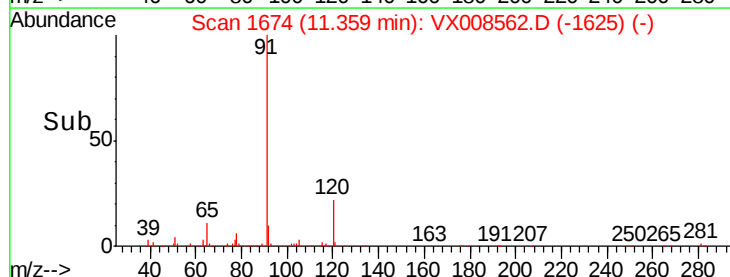
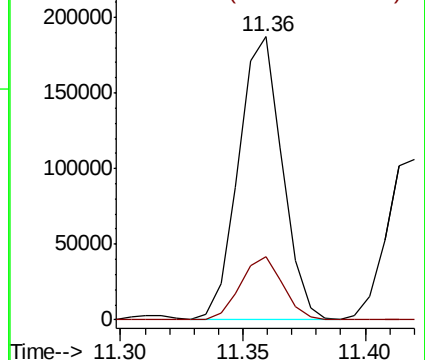
91 100

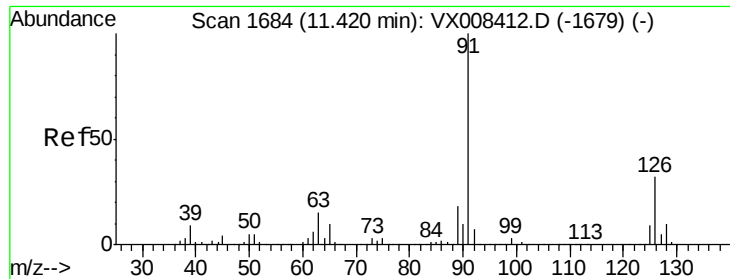
120 21.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

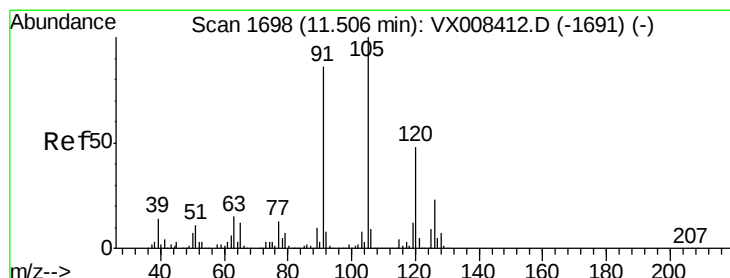
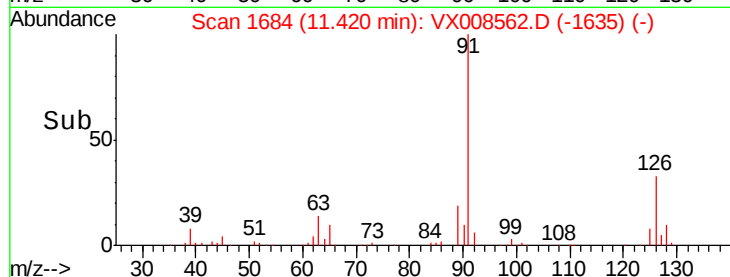
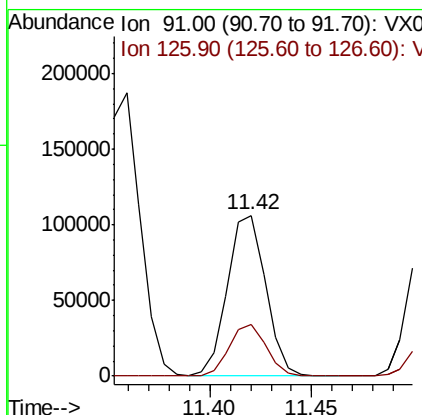
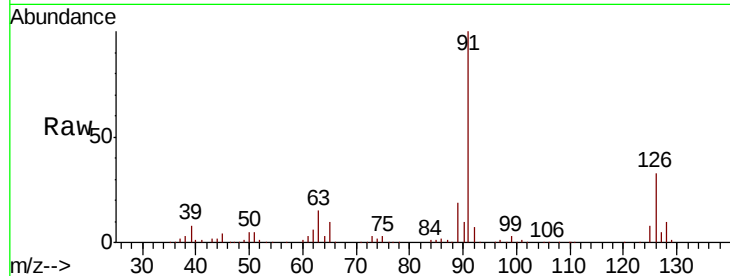




#79
 2-Chlorotoluene
 Concen: 17.724 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

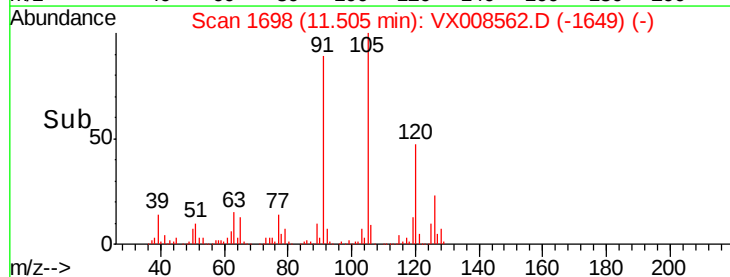
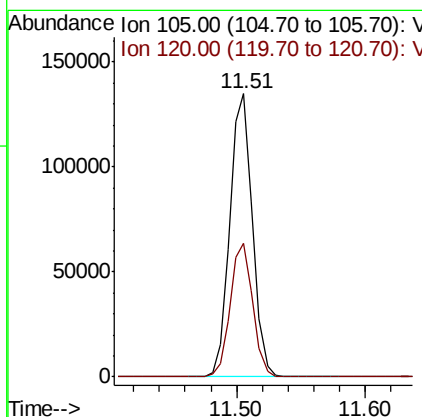
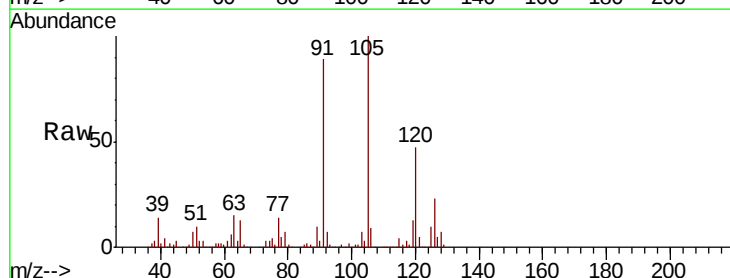
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

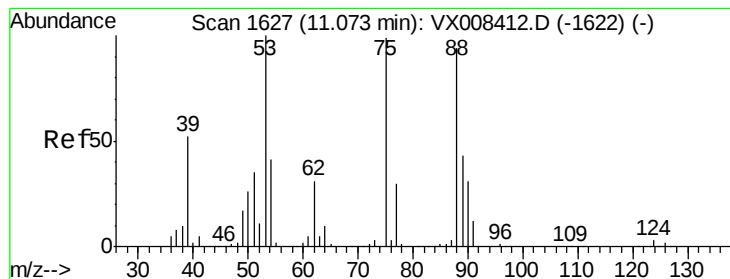
Tot Ion: 91 Resp: 137722
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 17.946 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion:105 Resp: 165455
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.588 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

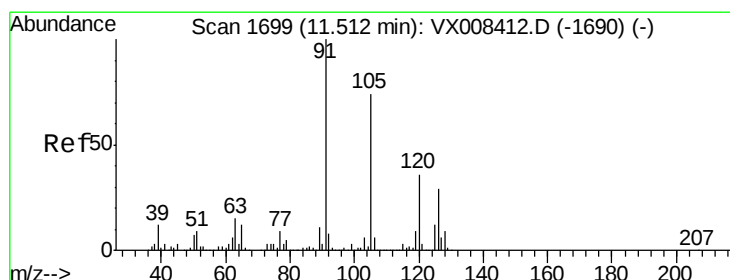
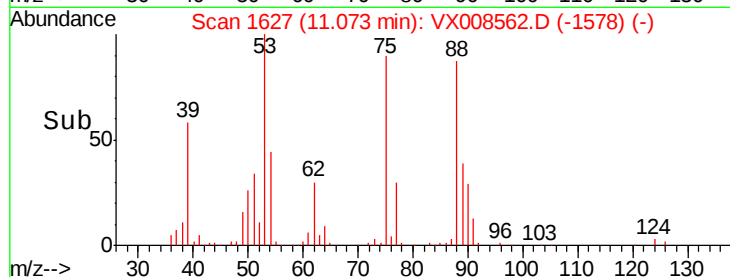
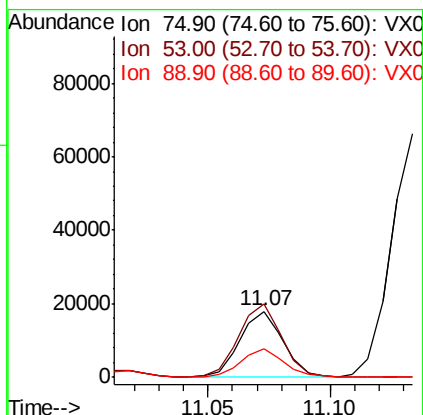
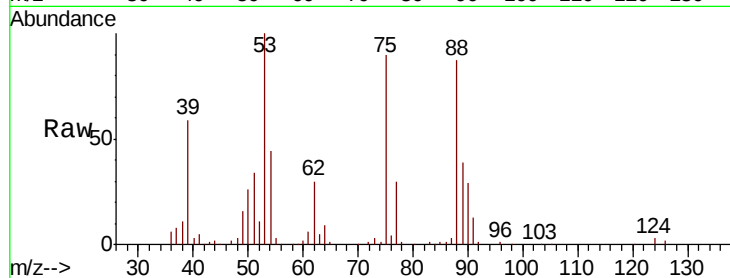
Tot Ion: 75 Resp: 21883

Ion Ratio Lower Upper

75 100

53 110.8 82.1 123.1

89 45.3 34.6 52.0



#82

4-Chlorotoluene

Concen: 17.642 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008562.D

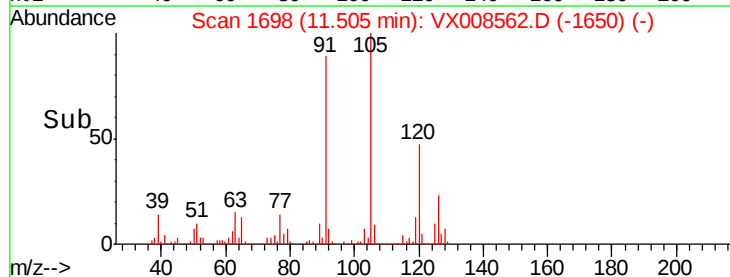
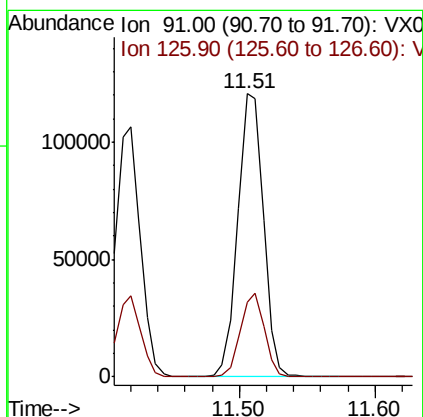
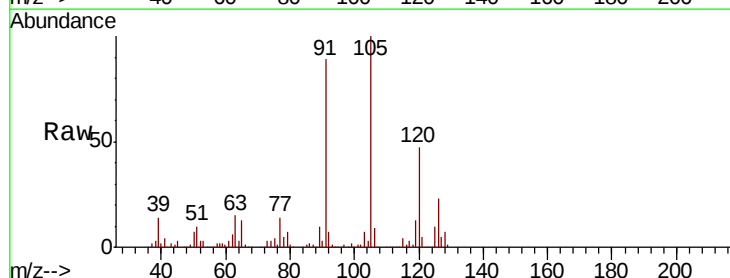
Acq: 01 Apr 2019 12:29

Tgt Ion: 91 Resp: 158121

Ion Ratio Lower Upper

91 100

126 27.7 13.9 41.7

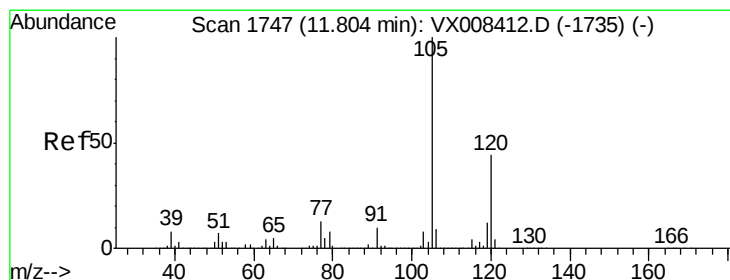
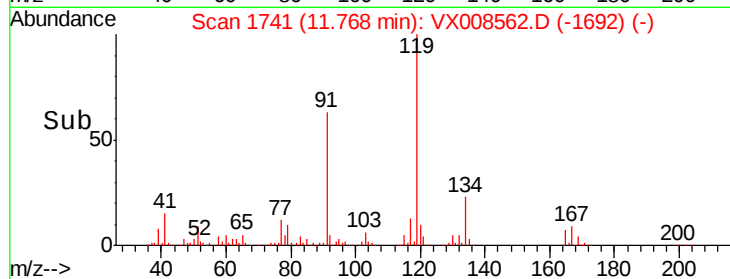
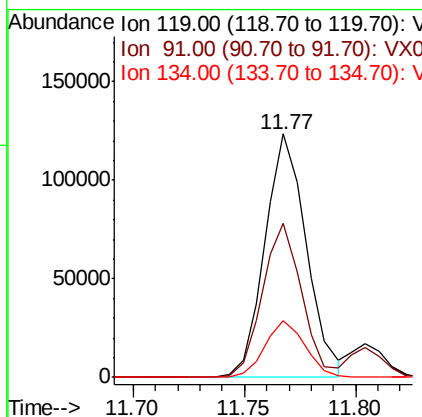
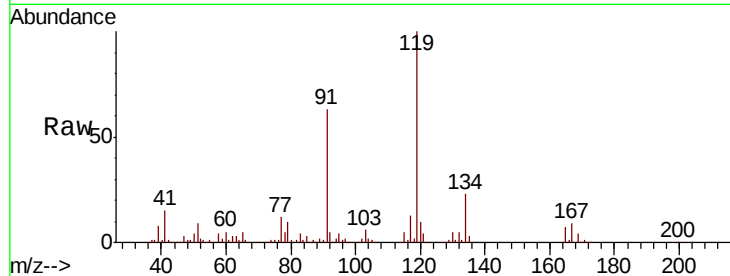




#83
tert-Butylbenzene
Concen: 17.932 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

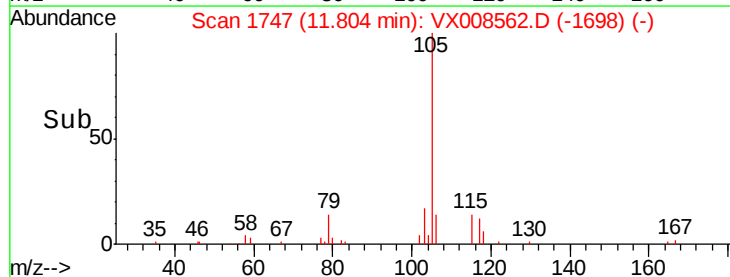
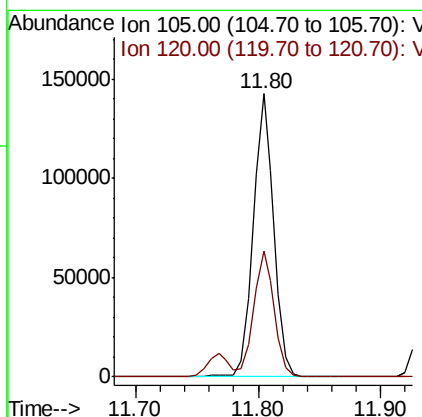
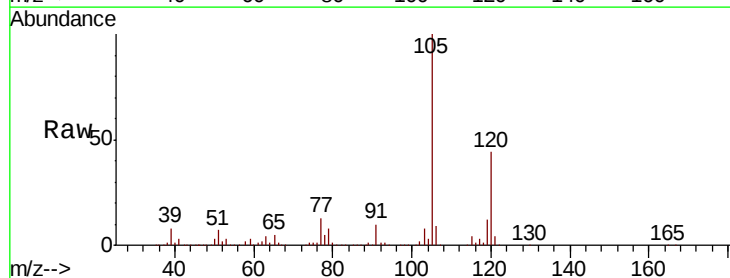
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

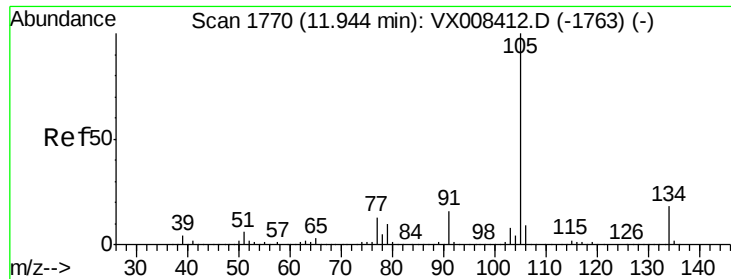
Tot Ion:119 Resp: 159507
Ion Ratio Lower Upper
119 100
91 60.6 30.1 90.3
134 22.5 10.9 32.9



#84
1,2,4-Trimethylbenzene
Concen: 17.861 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion:105 Resp: 166561
Ion Ratio Lower Upper
105 100
120 44.6 21.6 65.0





#85

sec-Butylbenzene

Concen: 18.339 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

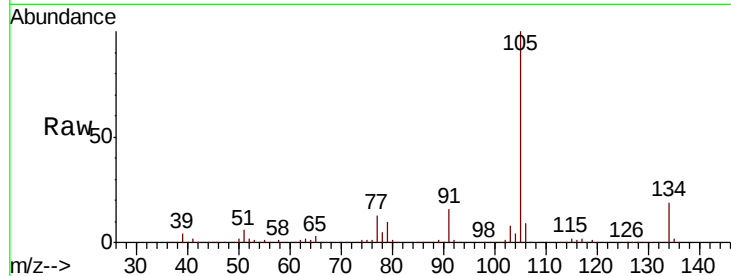
VX0401WBS01

Tot Ion:105 Resp: 194267

Ion Ratio Lower Upper

105 100

134 18.8 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

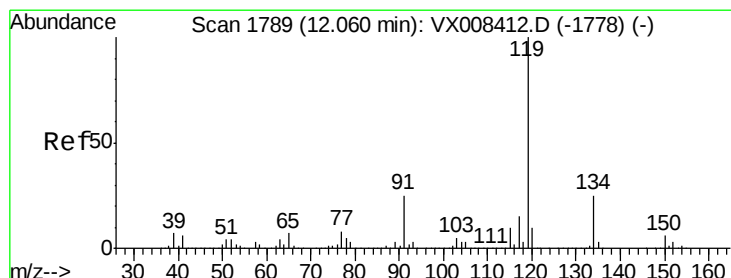
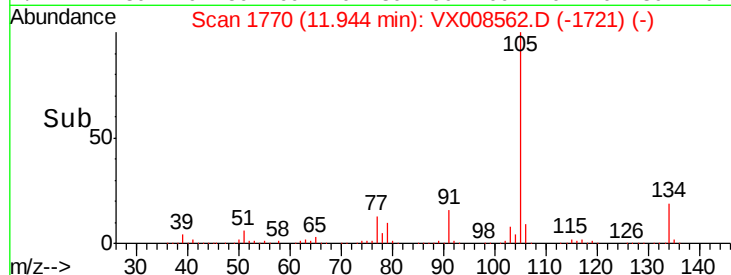
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 18.459 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

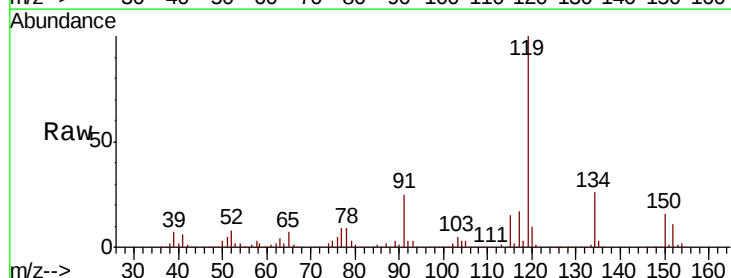
Tgt Ion:119 Resp: 172539

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.7 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

200000

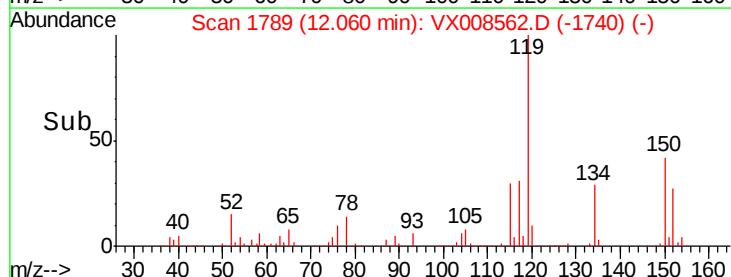
150000

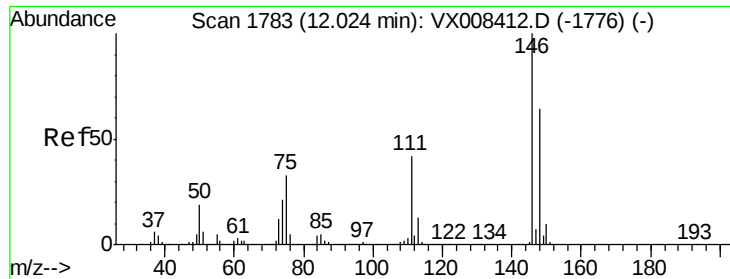
100000

50000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 17.664 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBS01

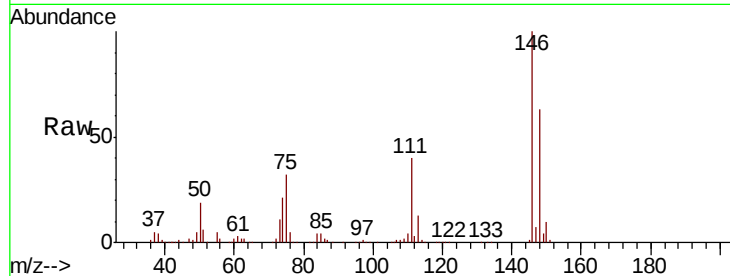
Tot Ion:146 Resp: 83533

Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.5

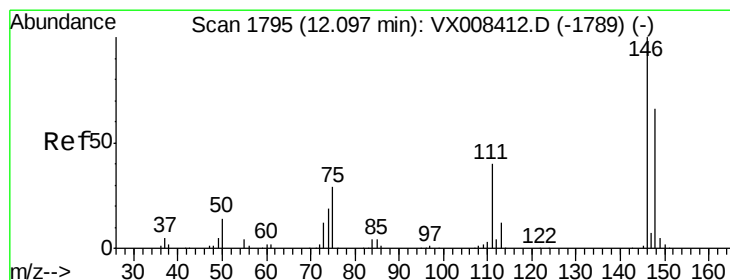
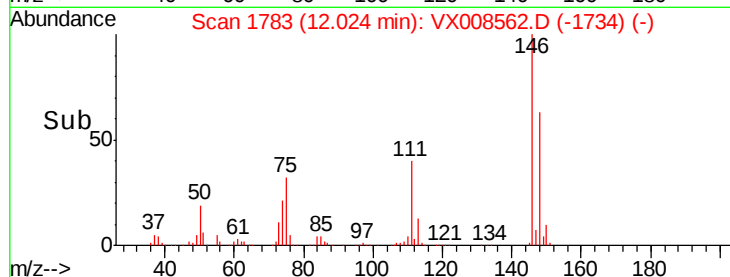
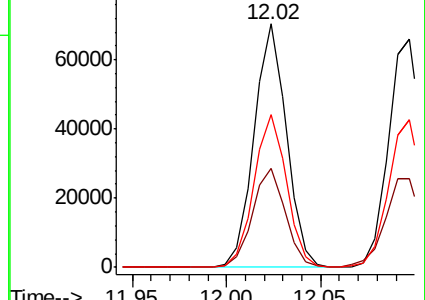
148 63.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.591 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

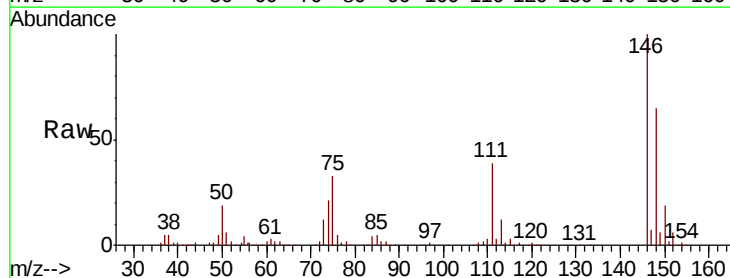
Tgt Ion:146 Resp: 83955

Ion Ratio Lower Upper

146 100

111 42.1 20.3 61.0

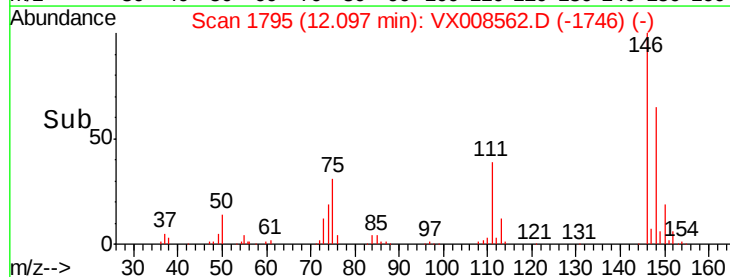
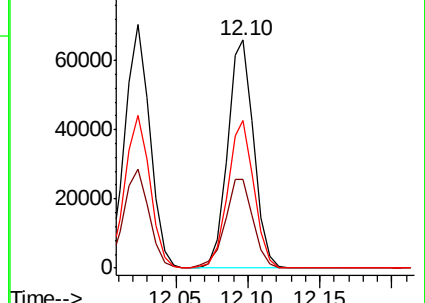
148 65.0 32.1 96.5

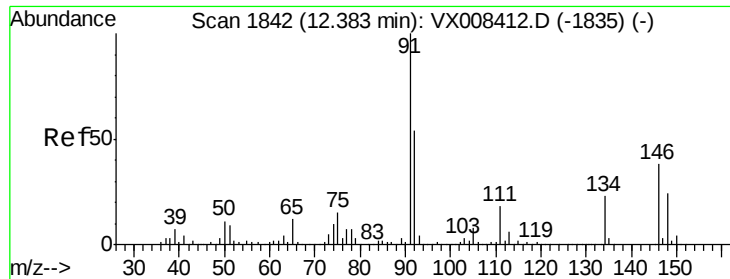


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

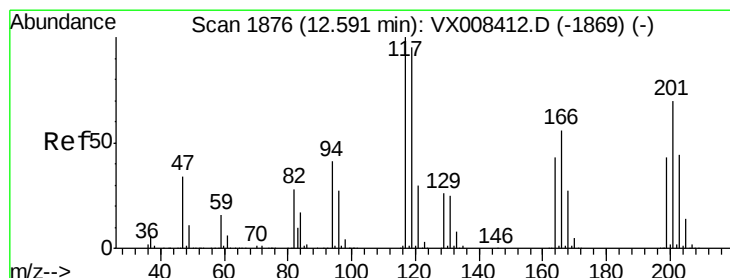
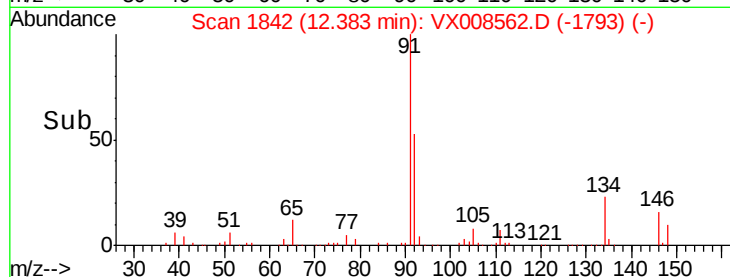
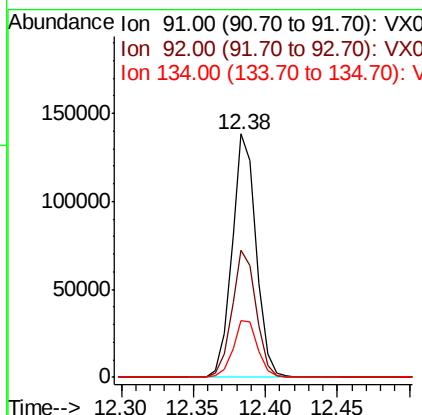
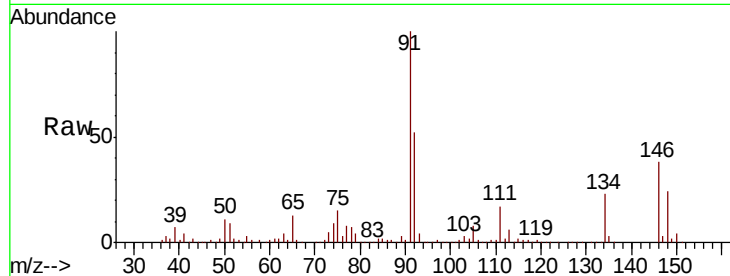




#89
n-Butylbenzene
Concen: 18.290 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

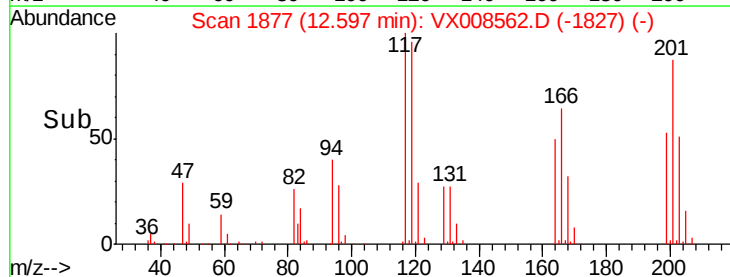
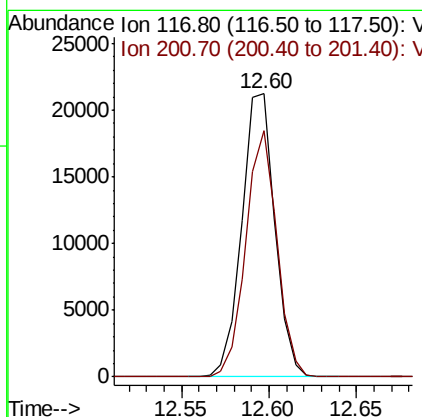
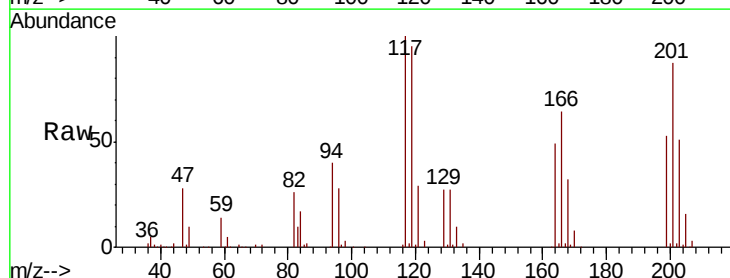
Instrument :
MSVOA_X
ClientSampleId :
VX0401WBS01

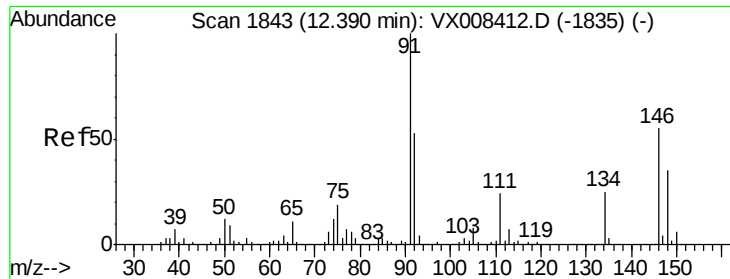
Tot Ion: 91 Resp: 161950
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 23.6 11.8 35.4



#90
Hexachloroethane
Concen: 17.943 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008562.D
Acq: 01 Apr 2019 12:29

Tgt Ion: 117 Resp: 27941
Ion Ratio Lower Upper
117 100
201 81.6 39.4 118.1

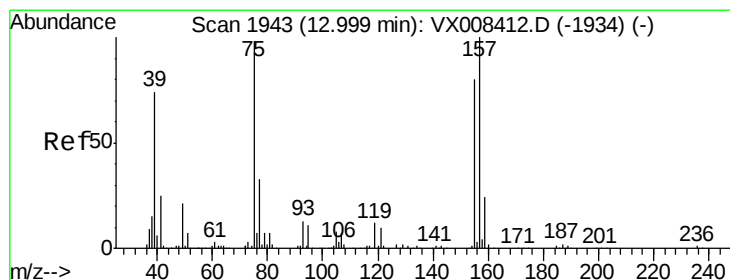
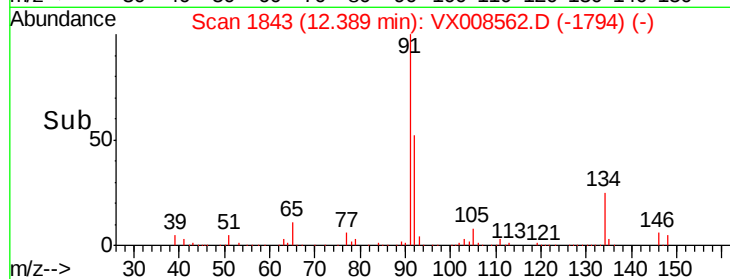
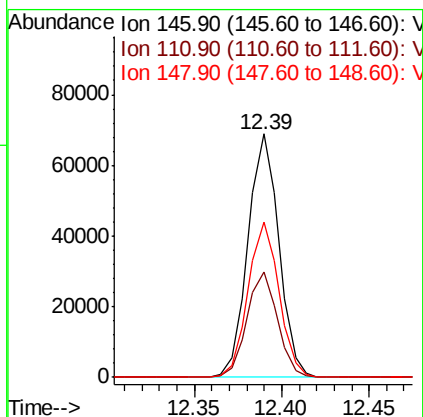
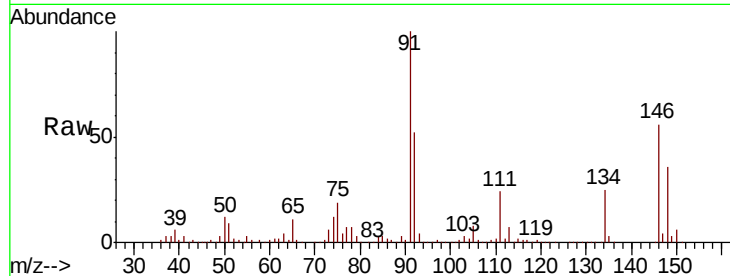




#91
 1,2-Dichlorobenzene
 Concen: 17.852 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

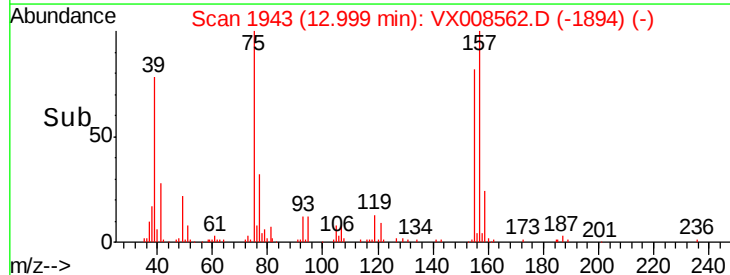
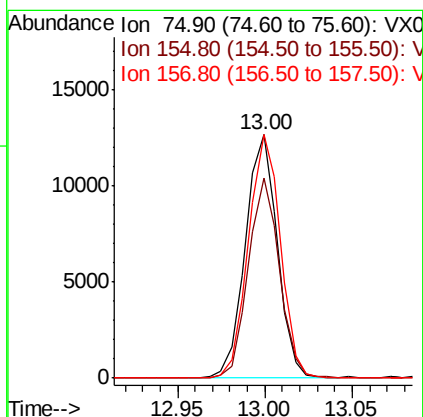
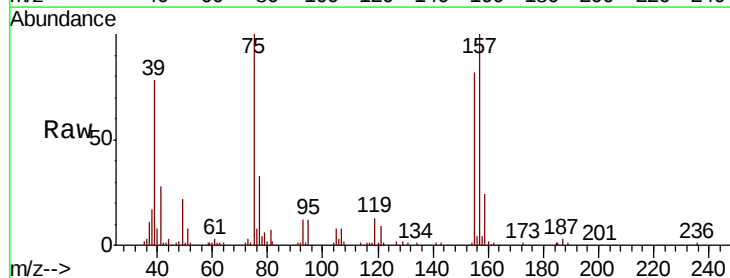
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

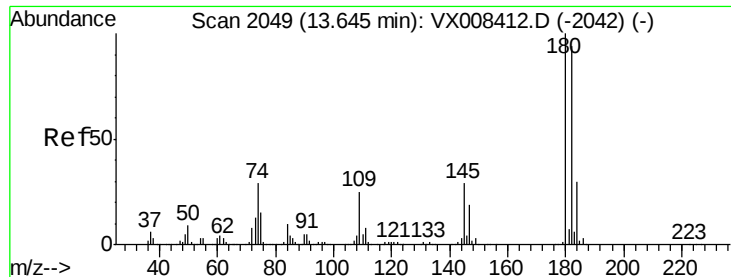
Tot Ion:146 Resp: 84542
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.6
 148 64.0 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.423 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion: 75 Resp: 16074
 Ion Ratio Lower Upper
 75 100
 155 80.1 39.5 118.5
 157 100.2 49.9 149.7

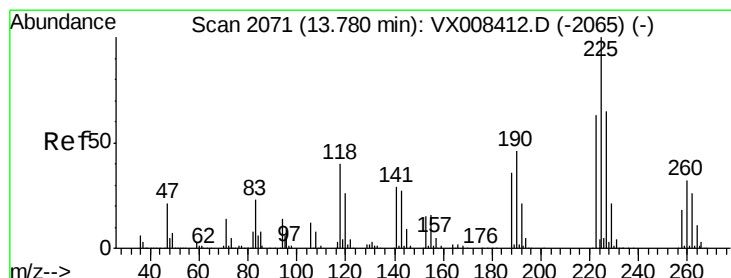
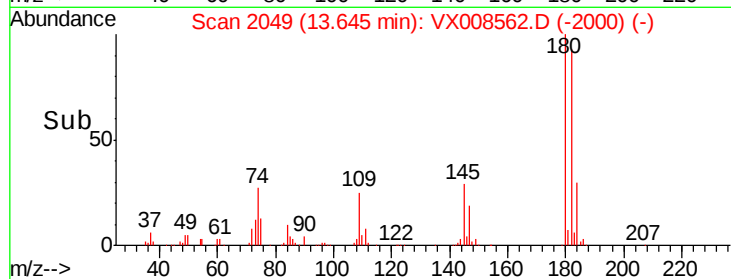
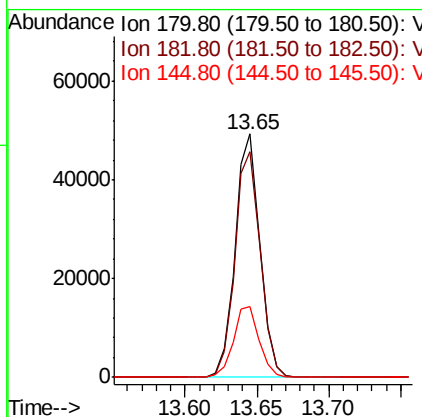
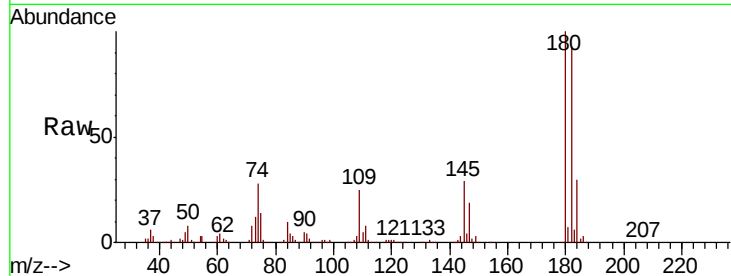




#93
 1,2,4-Trichlorobenzene
 Concen: 18.585 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

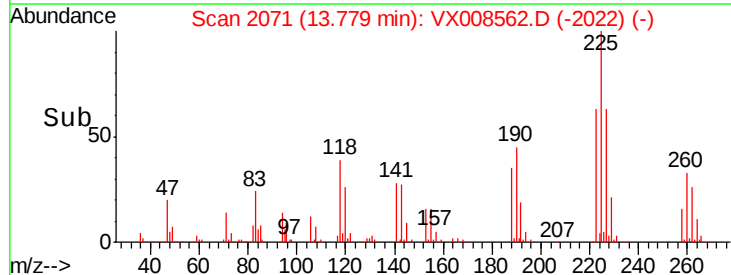
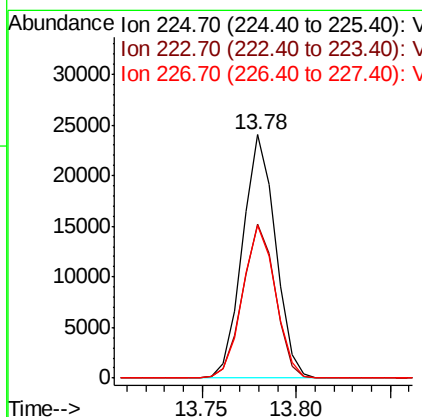
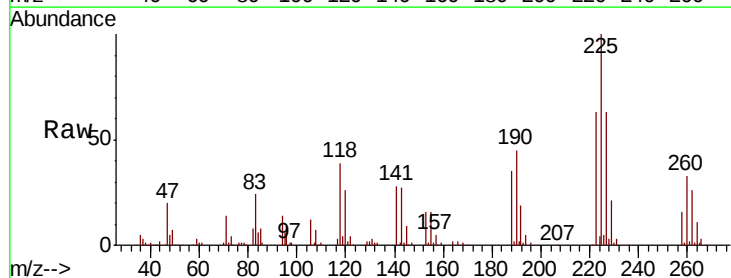
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

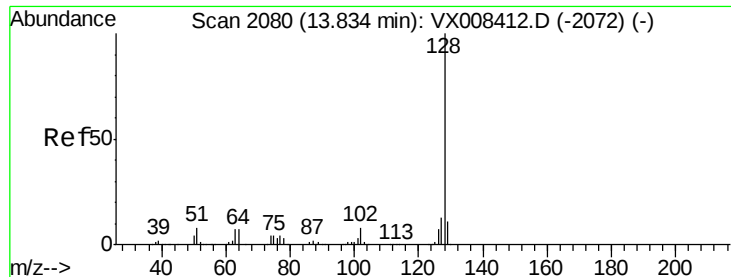
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	30.2	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 19.237 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008562.D
 Acq: 01 Apr 2019 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.0
227	62.7	31.9	95.9





#95

Naphthalene

Concen: 18.571 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Instrument :

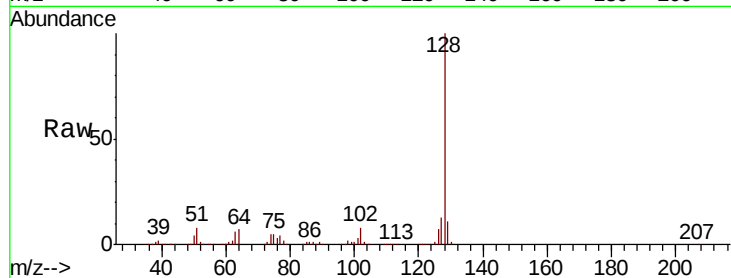
MSVOA_X

ClientSampleId :

VX0401WBS01

Tot Ion:128 Resp: 202997

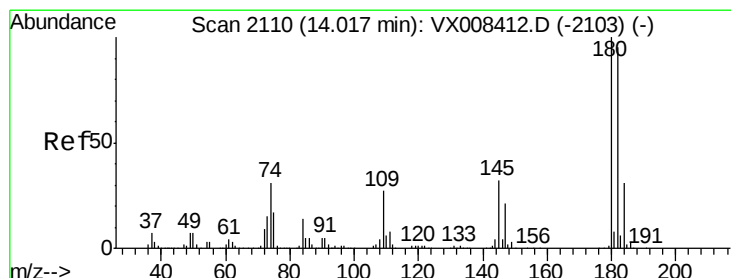
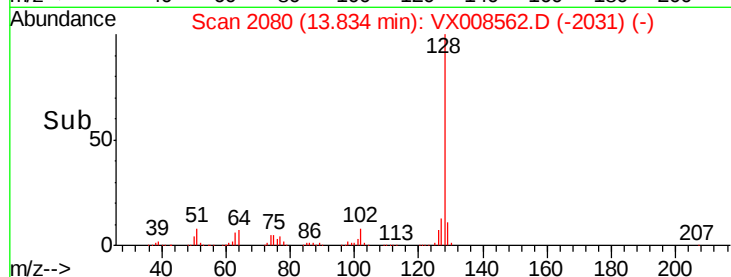
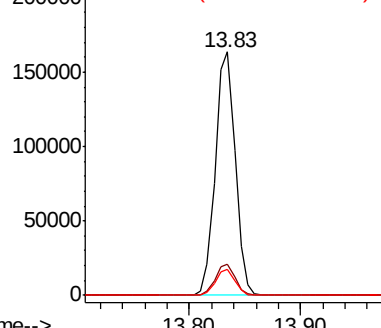
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.7	13.1



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: 18.904 ug/l

RT: 14.02 min Scan# 2110

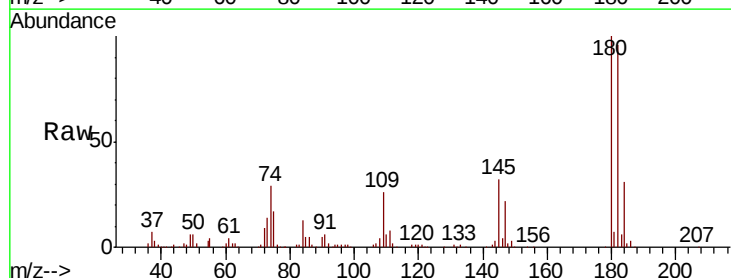
Delta R.T. -0.00 min

Lab File: VX008562.D

Acq: 01 Apr 2019 12:29

Tgt Ion:180 Resp: 60566

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	31.6	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

