

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008243.D
 Acq On : 20 Mar 2019 15:40
 Operator : JC/SP
 Sample : VX0320WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Quant Time: Mar 22 05:31:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	460774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	408166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	202774	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	152521	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	8.71	98	578500	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	201472	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	68711	20.426	ug/l	98
3) Chloromethane	1.33	50	78952	18.704	ug/l	100
4) Vinyl Chloride	1.41	62	81754	19.426	ug/l	99
5) Bromomethane	1.64	94	52994	14.782	ug/l	98
6) Chloroethane	1.73	64	54838	20.782	ug/l	98
7) Trichlorofluoromethane	1.93	101	101256	18.852	ug/l	100
8) Diethyl Ether	2.19	74	58140	21.040	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71601	20.079	ug/l	92
10) Methyl Iodide	2.51	142	93013	20.485	ug/l	97
11) Tert butyl alcohol	3.04	59	92616	103.530	ug/l	98
12) 1,1-Dichloroethene	2.38	96	68859	20.454	ug/l	92
13) Acrolein	2.29	56	53322	77.440	ug/l	96
14) Allyl chloride	2.73	41	148333	20.240	ug/l	93
15) Acrylonitrile	3.14	53	247085	104.423	ug/l	99
16) Acetone	2.45	43	216732	91.445	ug/l	98
17) Carbon Disulfide	2.57	76	208522	19.394	ug/l	100
18) Methyl Acetate	2.78	43	120263	21.918	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	251228	20.639	ug/l	97
20) Methylene Chloride	2.86	84	80848	20.457	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	73114	20.103	ug/l	95
22) Diisopropyl ether	3.86	45	300651	20.946	ug/l	90
23) Vinyl Acetate	3.82	43	1280506	104.058	ug/l	98
24) 1,1-Dichloroethane	3.70	63	151731	20.554	ug/l	98
25) 2-Butanone	4.67	43	355535	101.623	ug/l	97
26) 2,2-Dichloropropane	4.59	77	96767	17.400	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	84621	20.410	ug/l	92
28) Bromochloromethane	5.02	49	67667	20.413	ug/l	83
29) Tetrahydrofuran	5.13	42	234102	107.039	ug/l	97
30) Chloroform	5.21	83	143661	20.804	ug/l	100
31) Cyclohexane	5.59	56	140381	20.251	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	116988	20.366	ug/l	97
36) 1,1-Dichloropropene	5.81	75	106717	19.893	ug/l	97
37) Ethyl Acetate	4.84	43	135224	21.323	ug/l	98
38) Carbon Tetrachloride	5.79	117	96337	20.155	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	125047	19.370	ug/l	94
40) Benzene	6.15	78	331481	20.877	ug/l	99
41) Methacrylonitrile	5.04	41	76001	21.366	ug/l	96
42) 1,2-Dichloroethane	6.20	62	120314	20.684	ug/l	96
43) Isopropyl Acetate	6.45	43	210280	20.687	ug/l	97
44) Trichloroethene	7.21	130	78743	20.282	ug/l	90
45) 1,2-Dichloropropane	7.51	63	92275	20.760	ug/l	98
46) Dibromomethane	7.66	93	55334	20.561	ug/l #	86
47) Bromodichloromethane	7.90	83	106108	20.688	ug/l	99
48) Methyl methacrylate	7.77	41	110827	20.505	ug/l	93
49) 1,4-Dioxane	7.74	88	39380	412.892	ug/l #	90
51) 4-Methyl-2-Pentanone	8.64	43	707180	107.614	ug/l	97
52) Toluene	8.79	92	194715	20.671	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	112533	18.444	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	124395	19.543	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	80250	21.085	ug/l	97
56) Ethyl methacrylate	9.18	69	130597	19.883	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	142967	21.235	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	295620	94.801	ug/l	94
59) 2-Hexanone	9.49	43	531021	104.961	ug/l	96
60) Dibromochloromethane	9.58	129	76596	20.941	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83086	20.907	ug/l	100
64) Tetrachloroethene	9.34	164	77345	21.004	ug/l	96
65) Chlorobenzene	10.14	112	203553	20.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	72291	20.645	ug/l	99
67) Ethyl Benzene	10.25	91	359692	20.323	ug/l	98
68) m/p-Xylenes	10.36	106	266283	40.958	ug/l	94
69) o-Xylene	10.69	106	130298	20.625	ug/l	95
70) Styrene	10.71	104	211095	20.561	ug/l	96
71) Bromoform	10.85	173	55116	19.665	ug/l #	99
73) Isopropylbenzene	11.02	105	345178	20.664	ug/l	98
74) N-amyl acetate	10.90	43	179459	20.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	124370	20.763	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	147174	27.921	ug/l	91
77) Bromobenzene	11.26	156	83644	20.710	ug/l	87
78) n-propylbenzene	11.36	91	396709	20.447	ug/l	95
79) 2-Chlorotoluene	11.42	91	239039	20.527	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	282035	20.436	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34674	17.725	ug/l	87
82) 4-Chlorotoluene	11.51	91	272024	20.074	ug/l	95
83) tert-Butylbenzene	11.77	119	268789	20.400	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	290577	20.769	ug/l	97
85) sec-Butylbenzene	11.94	105	331373	20.309	ug/l	97
86) p-Isopropyltoluene	12.06	119	284438	20.139	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	143916	19.939	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	145386	19.473	ug/l	97
89) n-Butylbenzene	12.38	91	250520	18.898	ug/l	97
90) Hexachloroethane	12.60	117	48307	20.083	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	148527	20.408	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26254	19.734	ug/l	80

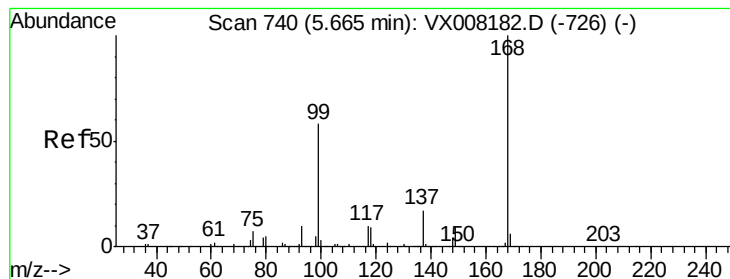
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92866	19.372	ug/l	98
94) Hexachlorobutadiene	13.78	225	46641	19.949	ug/l	99
95) Naphthalene	13.83	128	307392	20.316	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94928	20.125	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

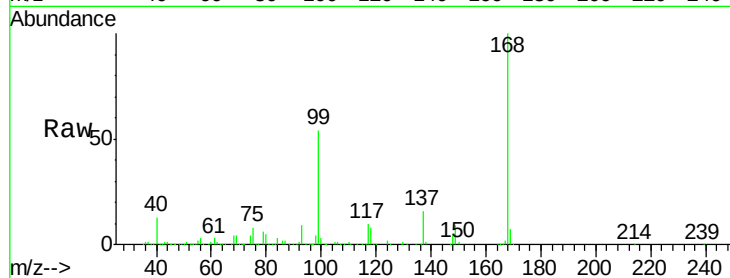
VX0320WBSD01

Tot Ion:168 Resp: 277463

Ion Ratio Lower Upper

168 100

99 54.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

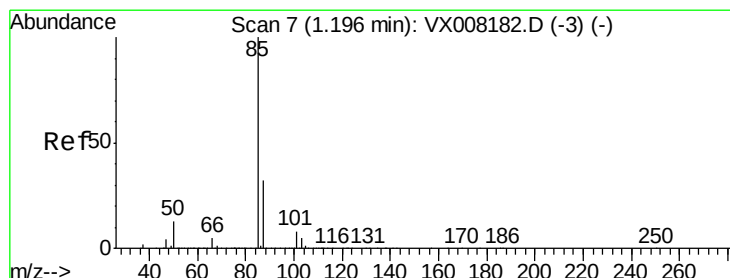
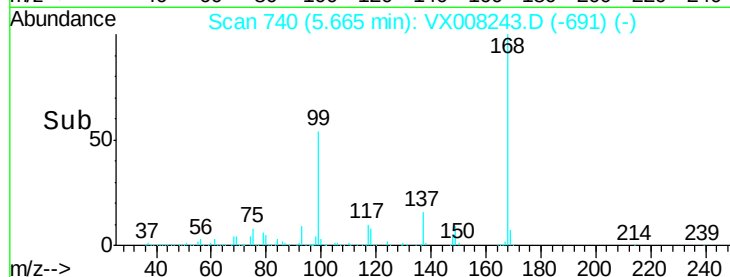
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.426 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008243.D

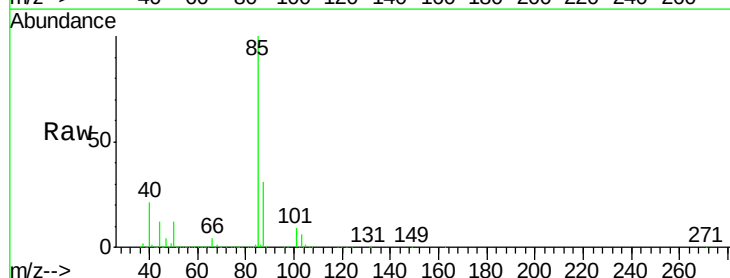
Acq: 20 Mar 2019 15:40

Tgt Ion: 85 Resp: 68711

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

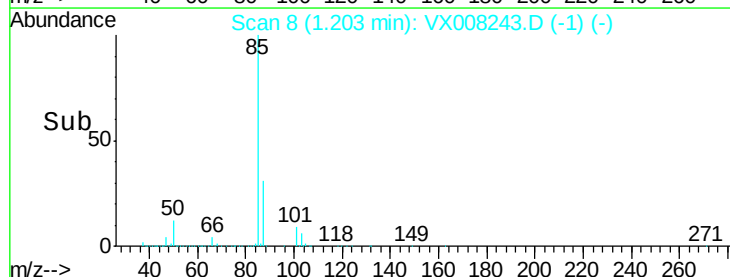
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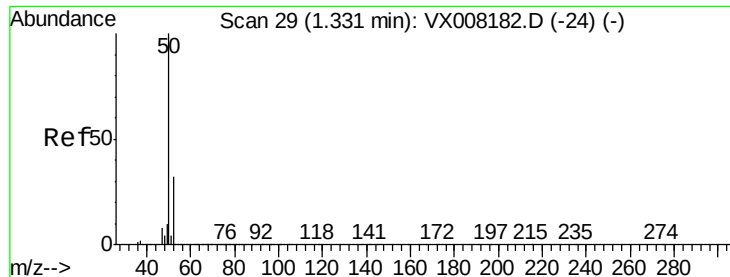
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0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.704 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

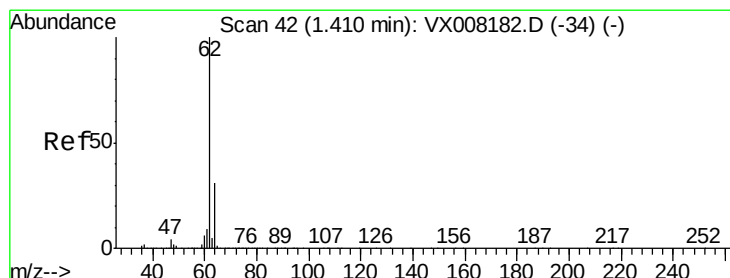
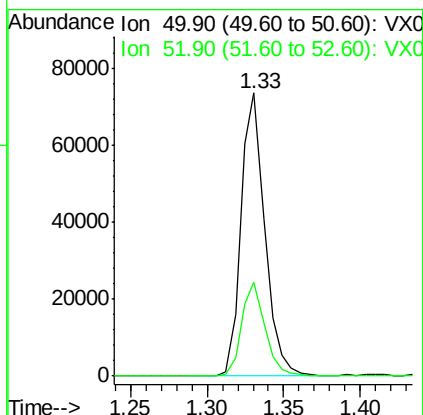
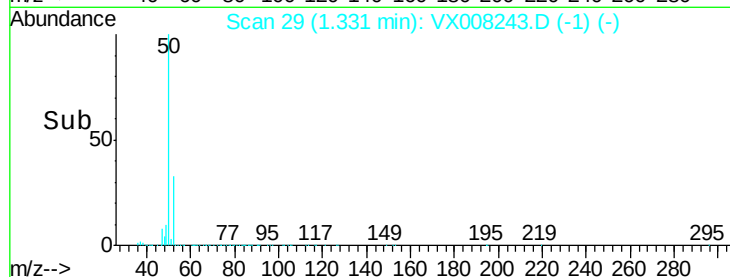
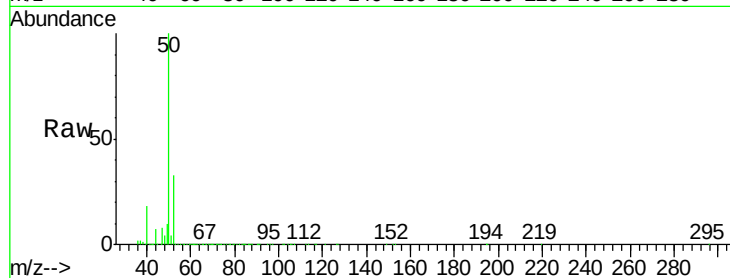
VX0320WBSD01

Tot Ion: 50 Resp: 78952

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 19.426 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008243.D

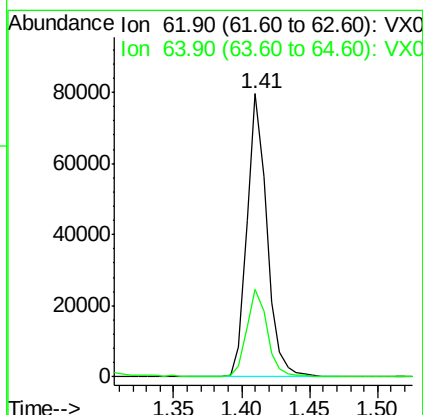
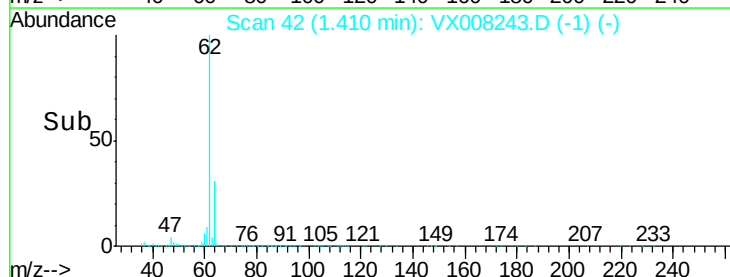
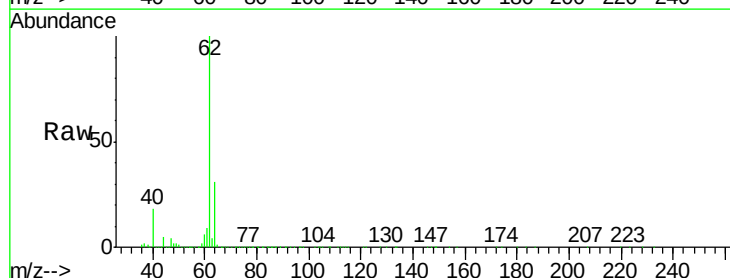
Acq: 20 Mar 2019 15:40

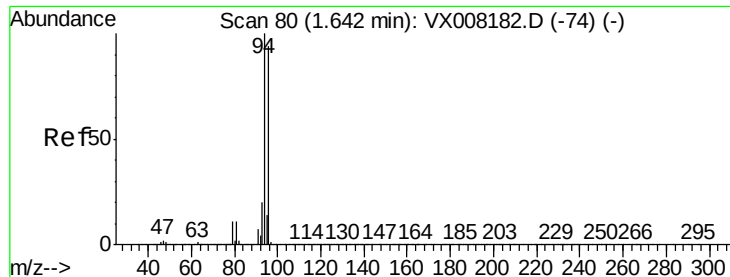
Tgt Ion: 62 Resp: 81754

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 14.782 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

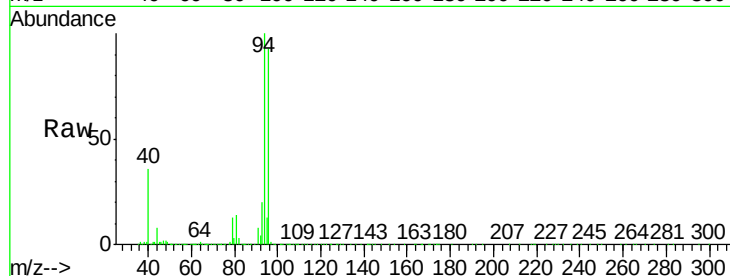
VX0320WBSD01

Tot Ion: 94 Resp: 52994

Ion Ratio Lower Upper

94 100

96 92.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

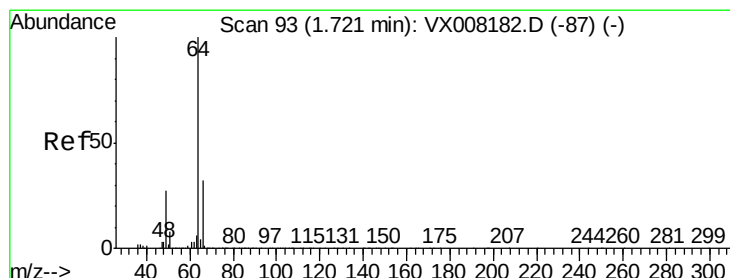
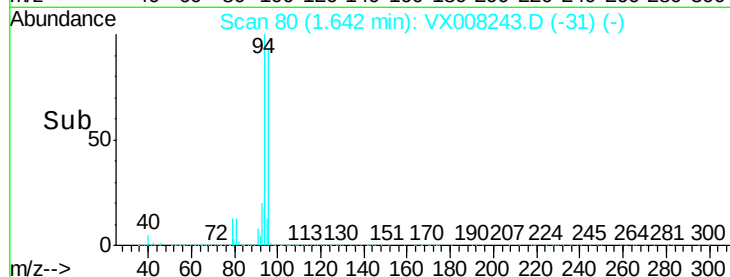
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 20.782 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008243.D

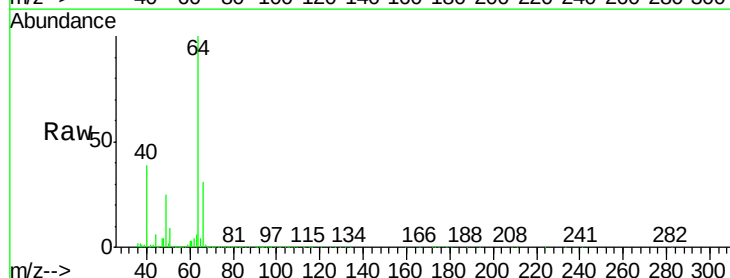
Acq: 20 Mar 2019 15:40

Tgt Ion: 64 Resp: 54838

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

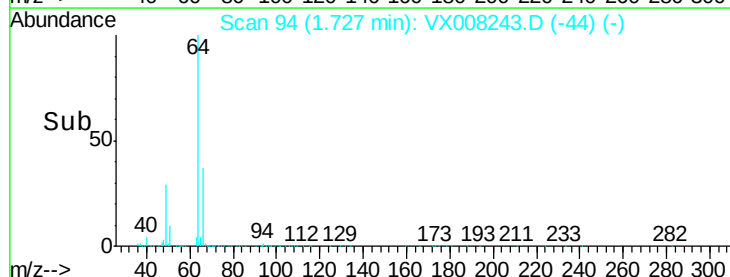
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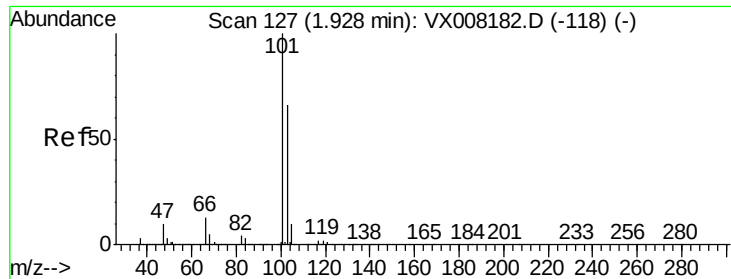
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10000

0

Time--> 1.60 1.70 1.80



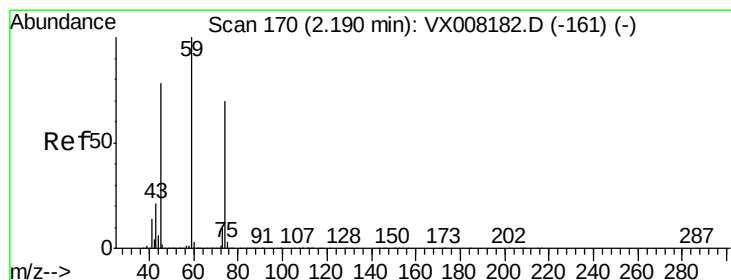
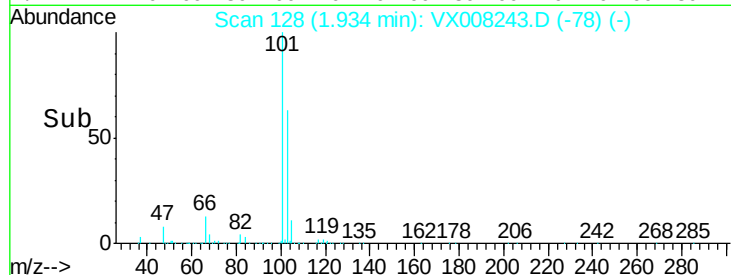
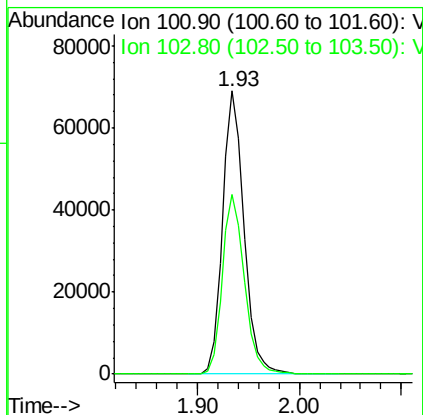
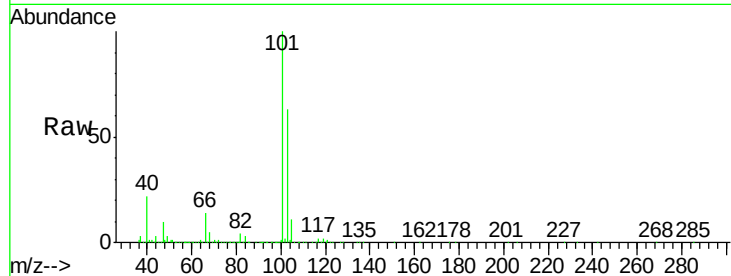


#7

Trichlorofluoromethane
Concen: 18.852 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

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MSVOA_X
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VX0320WBSD01

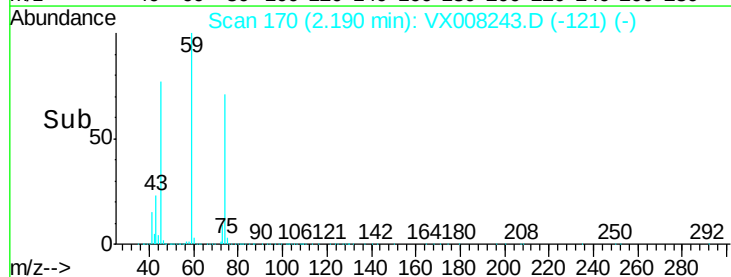
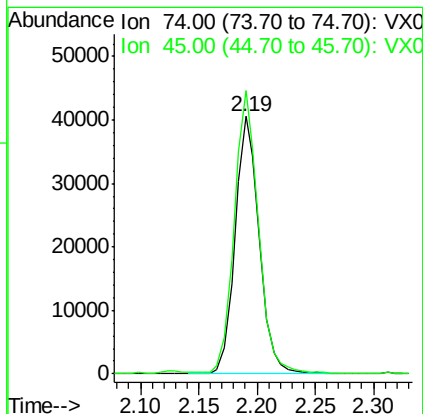
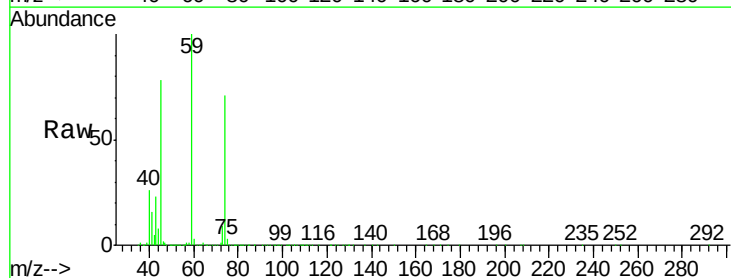
Tot Ion:101 Resp: 101256
Ion Ratio Lower Upper
101 100
103 63.2 50.4 75.6

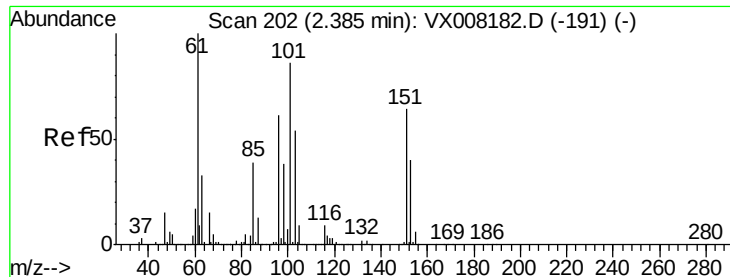


#8

Diethyl Ether
Concen: 21.040 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 74 Resp: 58140
Ion Ratio Lower Upper
74 100
45 111.3 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.079 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

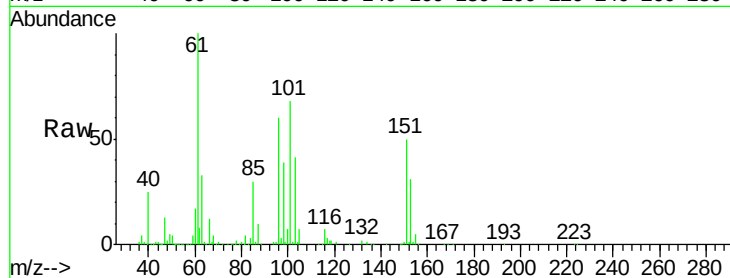
Tot Ion:101 Resp: 71601

Ion Ratio Lower Upper

101 100

85 44.7 33.8 50.6

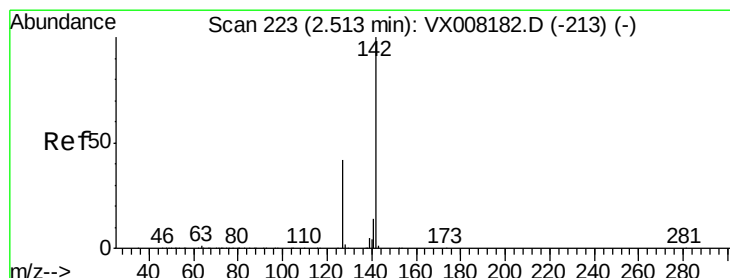
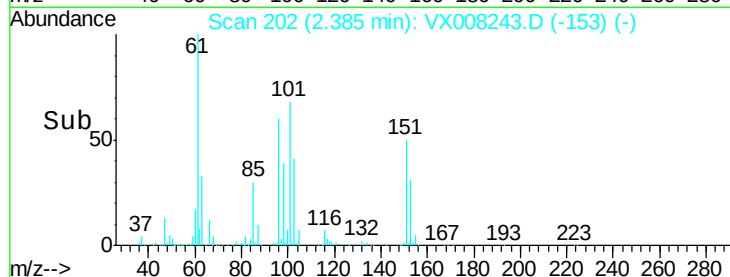
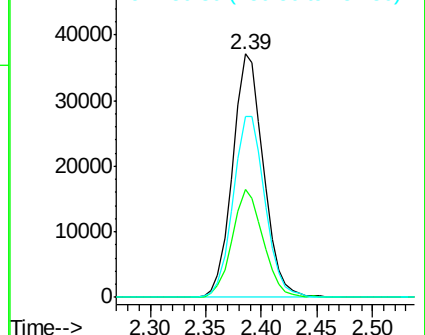
151 76.7 69.1 103.7



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: 20.485 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

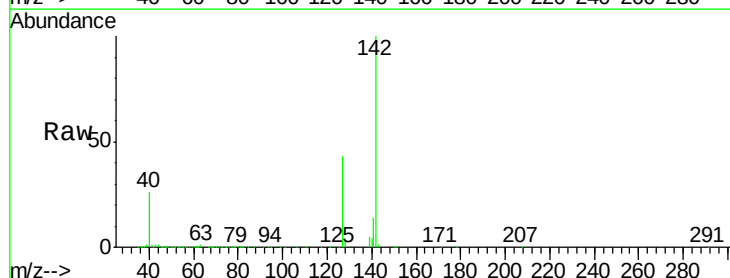
Tgt Ion:142 Resp: 93013

Ion Ratio Lower Upper

142 100

127 42.5 32.1 48.1

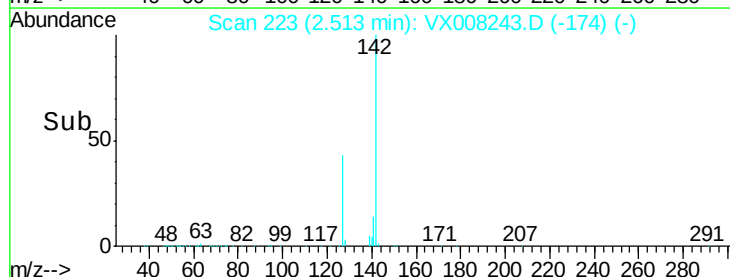
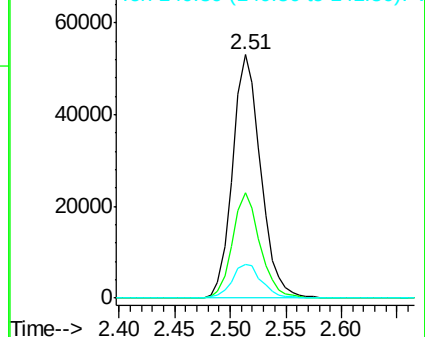
141 14.4 11.4 17.2

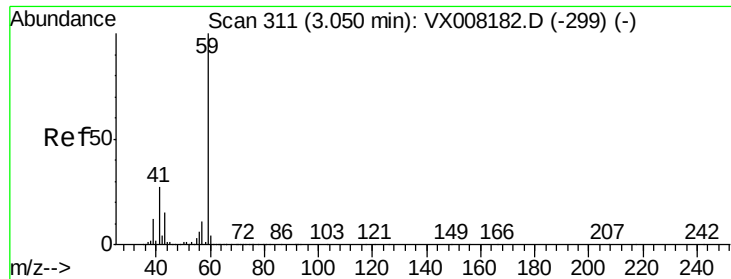


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



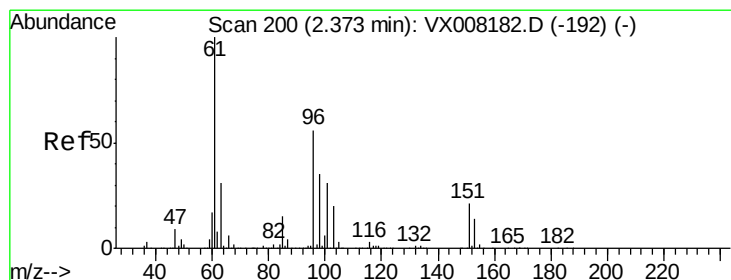
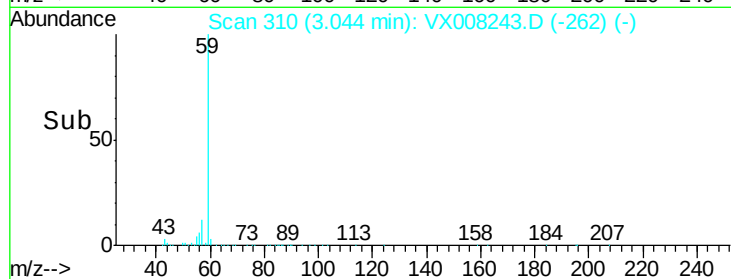
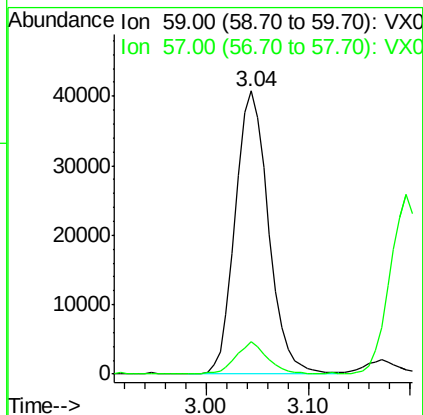
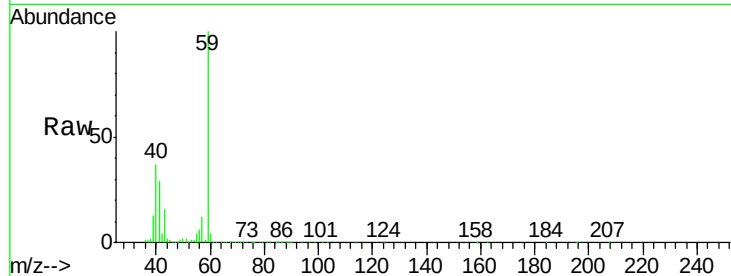


#11

Tert butyl alcohol
 Concen: 103.530 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

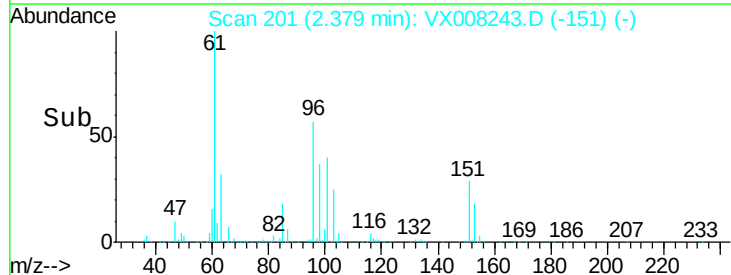
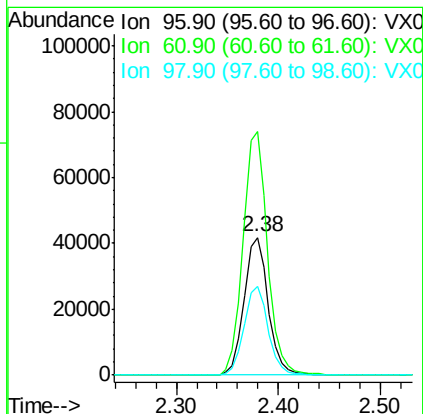
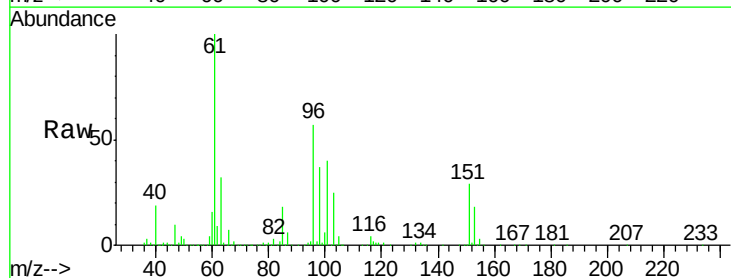
Tot Ion: 59 Resp: 92616
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.2 12.2

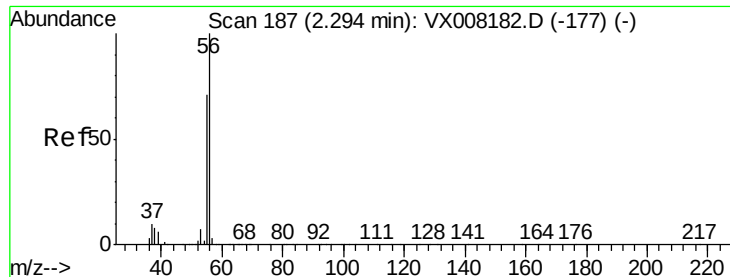


#12

1,1-Dichloroethene
 Concen: 20.454 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion: 96 Resp: 68859
 Ion Ratio Lower Upper
 96 100
 61 176.5 129.8 194.6
 98 64.7 51.0 76.6





#13

Acrolein

Concen: 77.440 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

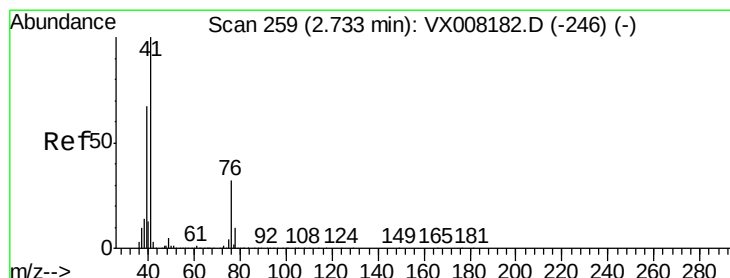
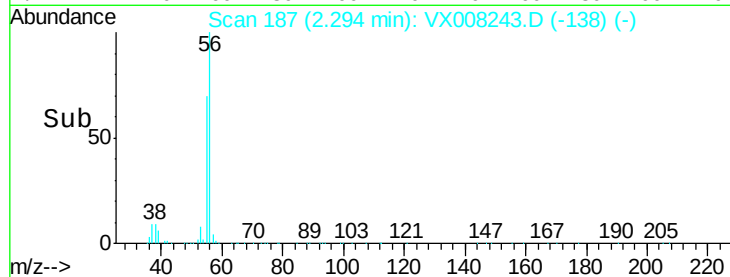
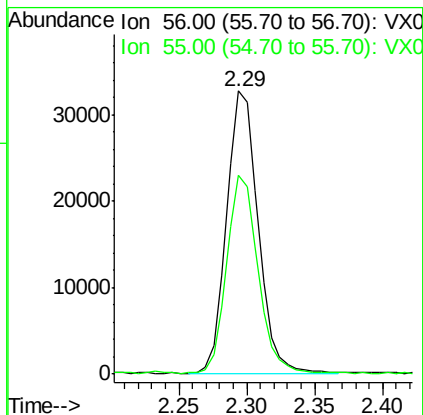
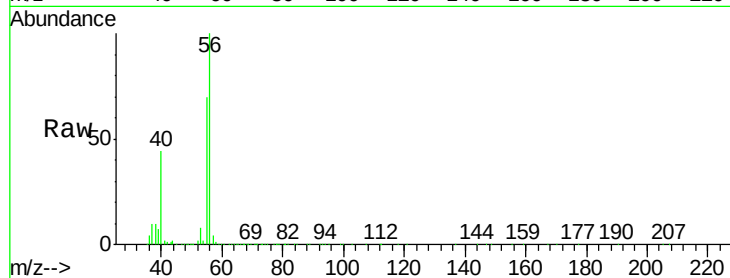
VX0320WBSD01

Tot Ion: 56 Resp: 53322

Ion Ratio Lower Upper

56 100

55 69.0 57.8 86.6



#14

Allyl chloride

Concen: 20.240 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

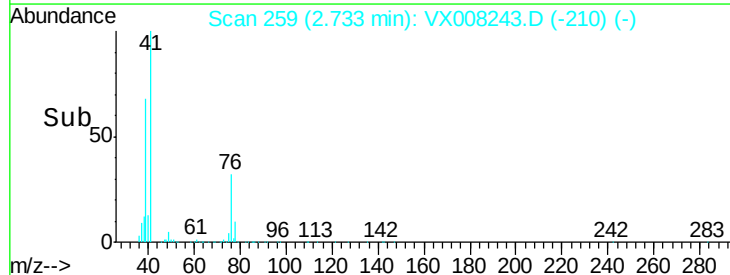
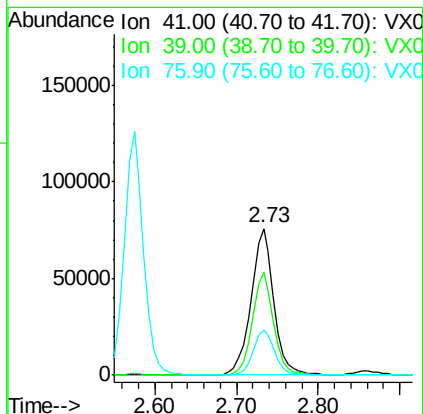
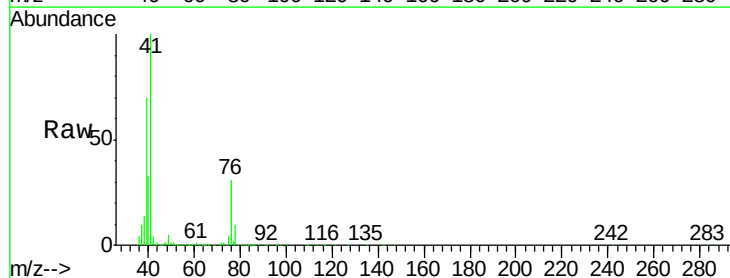
Tgt Ion: 41 Resp: 148333

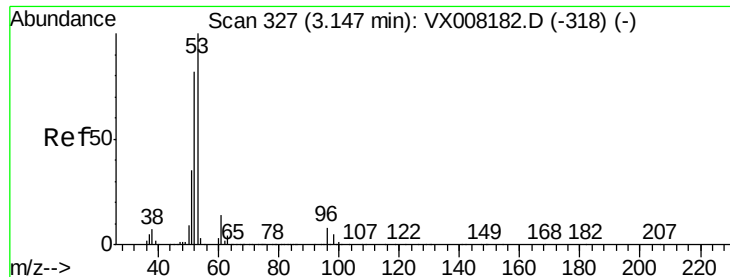
Ion Ratio Lower Upper

41 100

39 64.9 46.1 69.1

76 28.7 24.0 36.0





#15

Acrylonitrile

Concen: 104.423 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

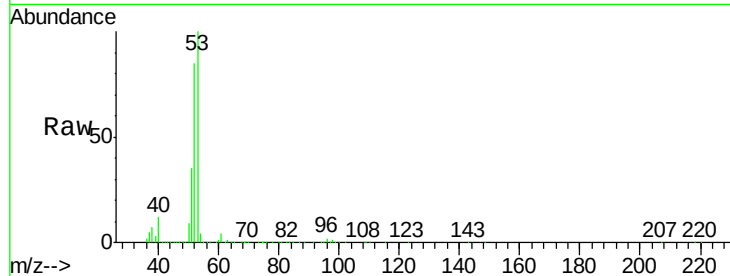
Tot Ion: 53 Resp: 247085

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

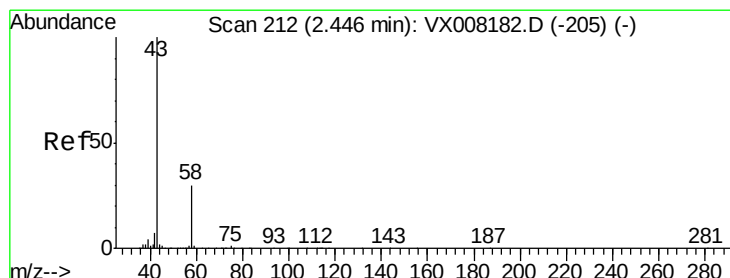
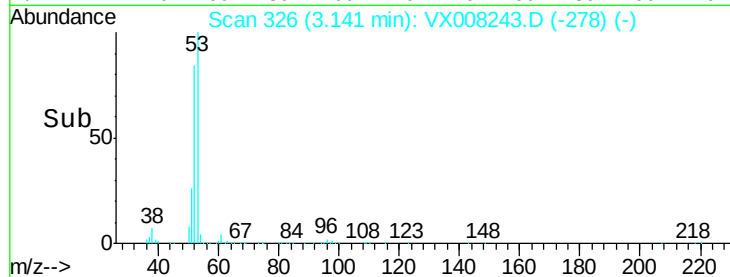
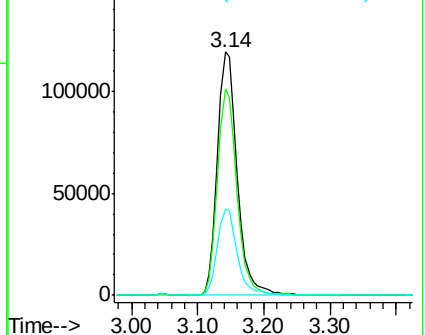
51 35.8 28.0 42.0



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: 91.445 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008243.D

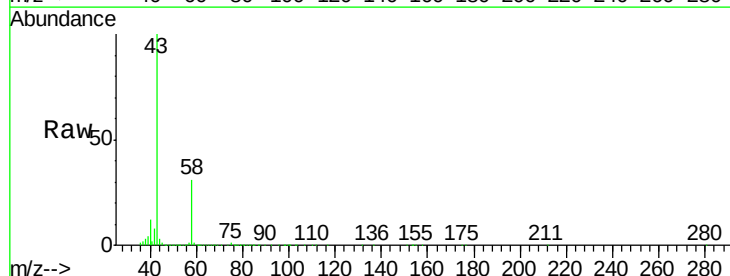
Acq: 20 Mar 2019 15:40

Tgt Ion: 43 Resp: 216732

Ion Ratio Lower Upper

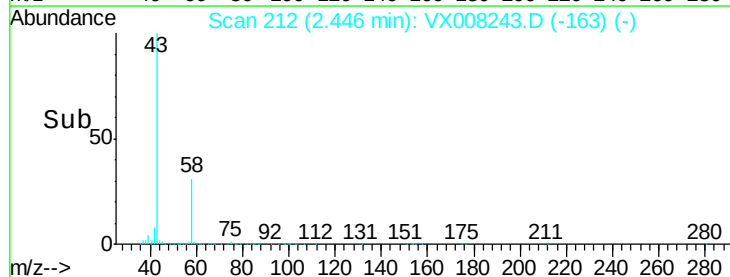
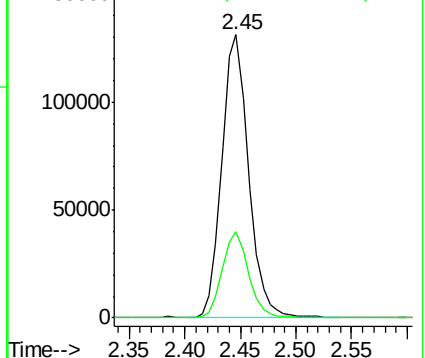
43 100

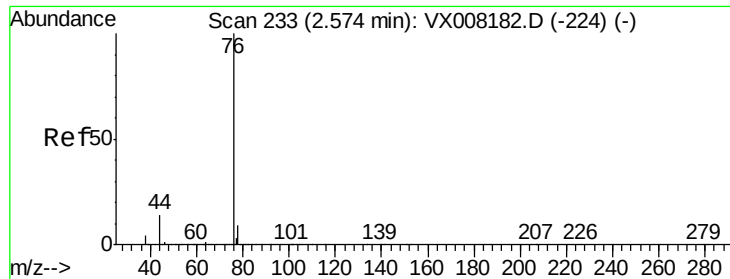
58 30.7 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

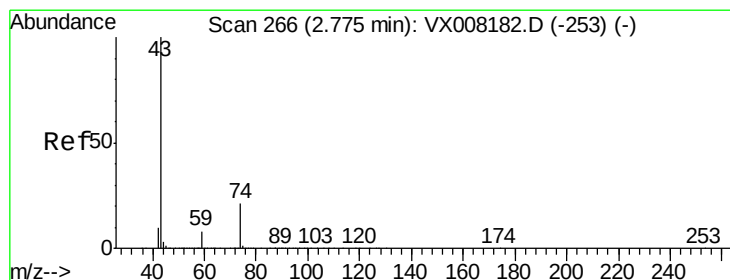
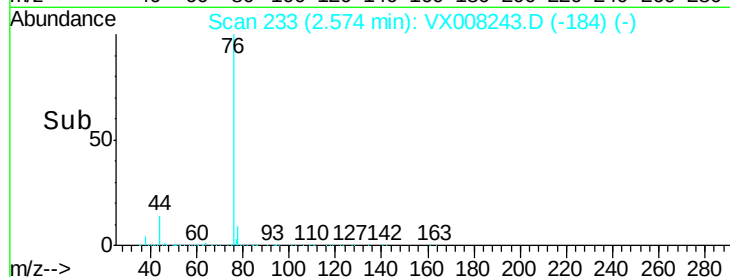
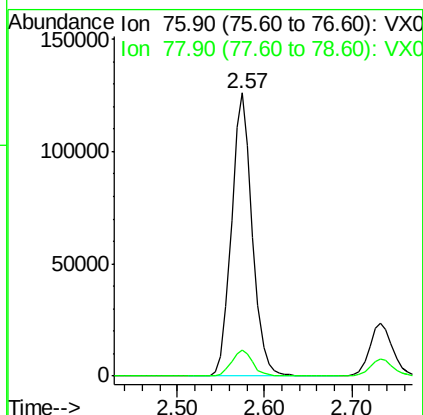
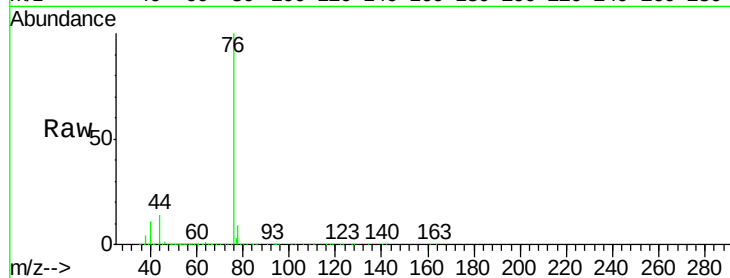




#17
Carbon Disulfide
Concen: 19.394 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

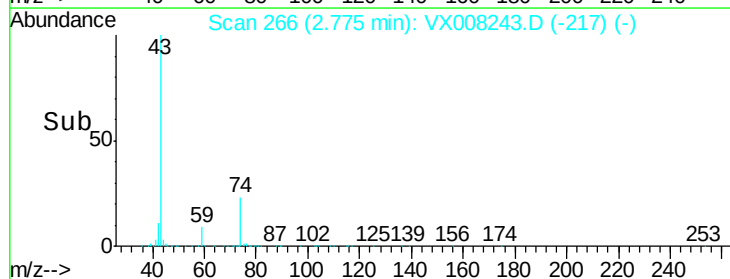
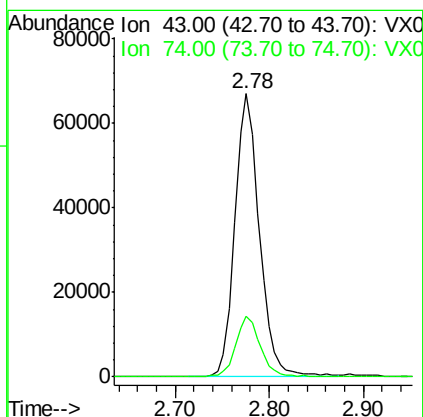
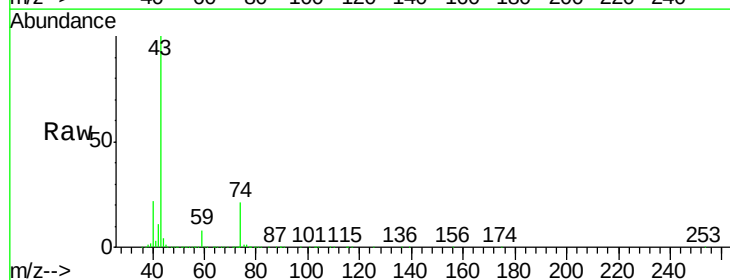
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

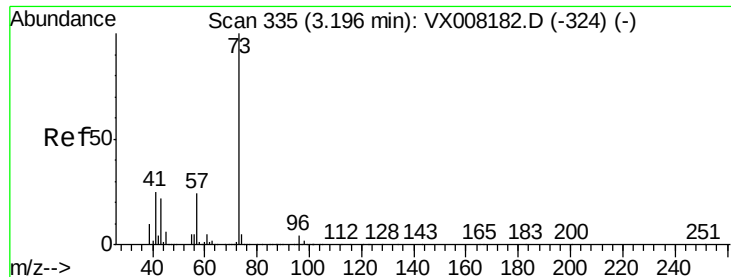
Tot Ion: 76 Resp: 208522
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 21.918 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 43 Resp: 120263
Ion Ratio Lower Upper
43 100
74 22.0 17.8 26.6



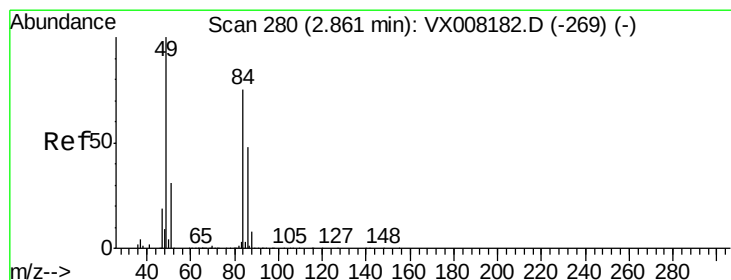
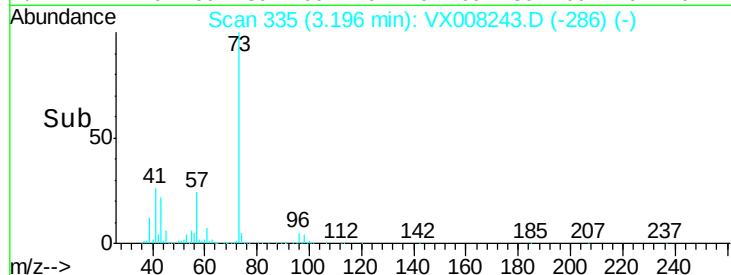
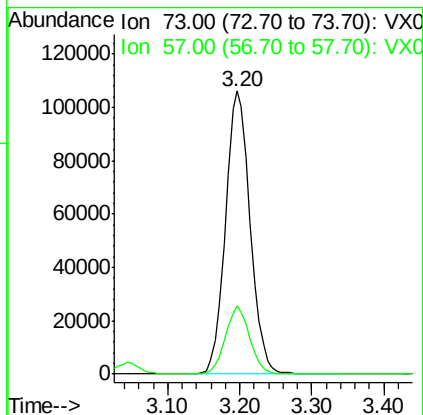
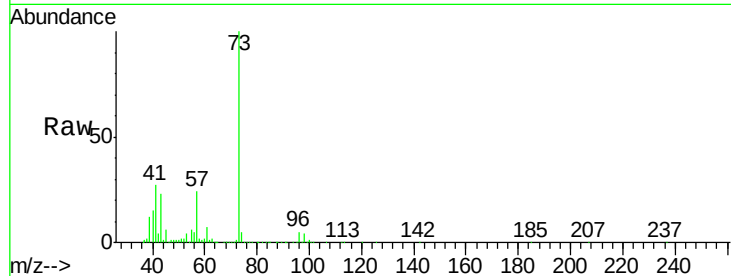


#19

Methyl tert-butyl Ether
 Concen: 20.639 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

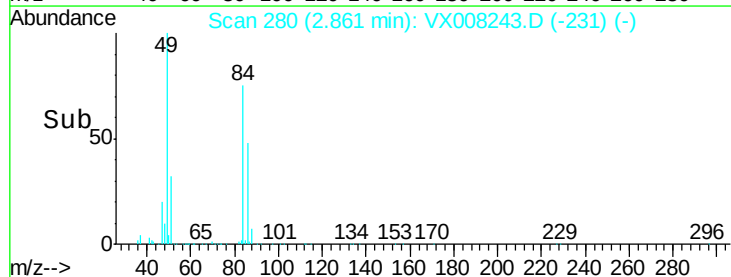
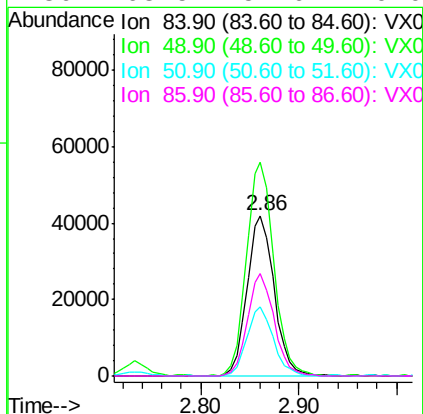
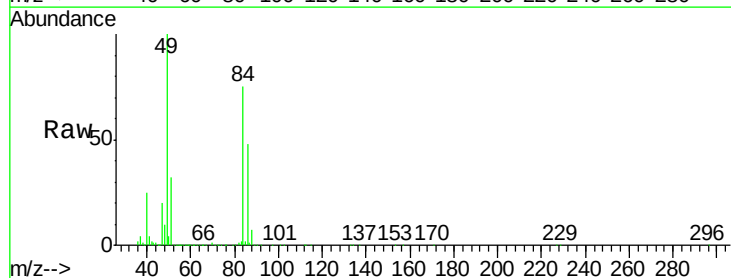
Tot Ion: 73 Resp: 251228
 Ion Ratio Lower Upper
 73 100
 57 24.3 18.2 27.4

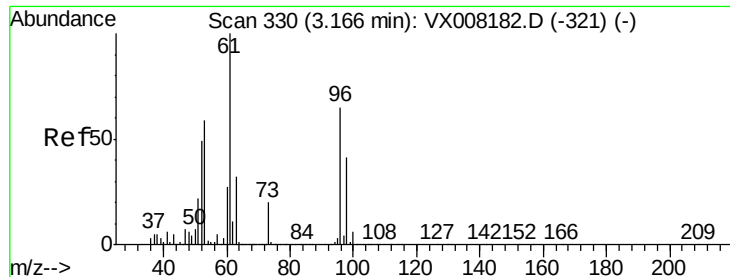


#20

Methylene Chloride
 Concen: 20.457 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion: 84 Resp: 80848
 Ion Ratio Lower Upper
 84 100
 49 132.8 99.3 148.9
 51 42.8 31.3 46.9
 86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.103 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

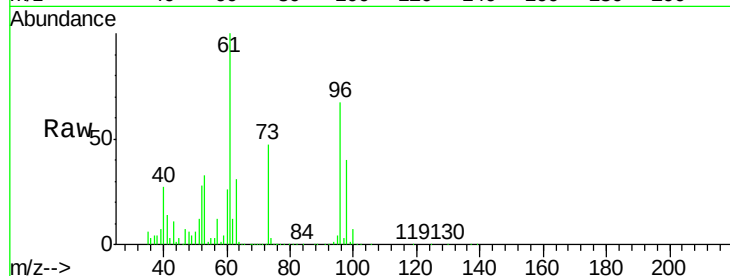
Tot Ion: 96 Resp: 73114

Ion Ratio Lower Upper

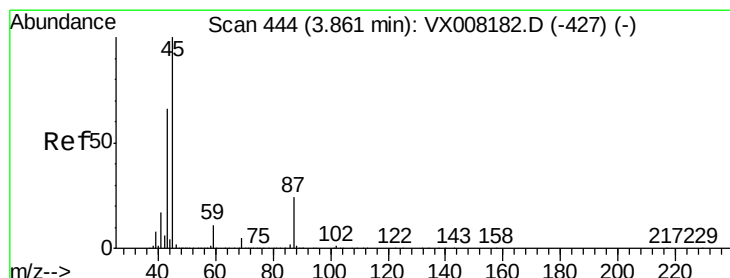
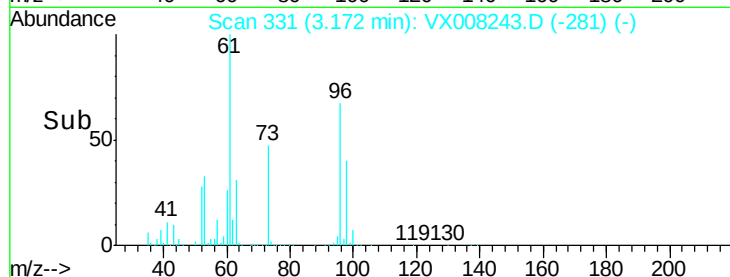
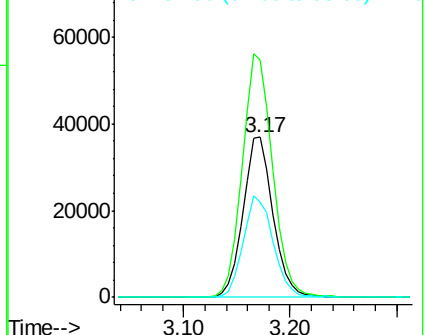
96 100

61 148.2 114.4 171.6

98 59.7 51.1 76.7



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



#22

Diisopropyl ether

Concen: 20.946 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion: 45 Resp: 300651

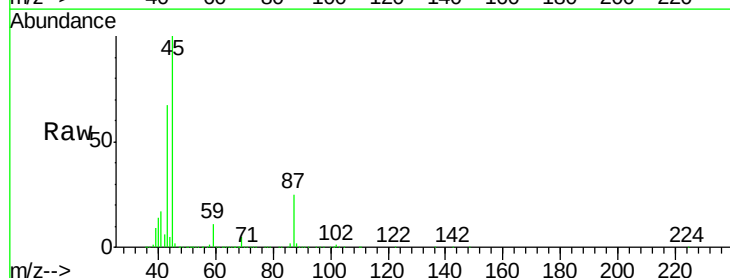
Ion Ratio Lower Upper

45 100

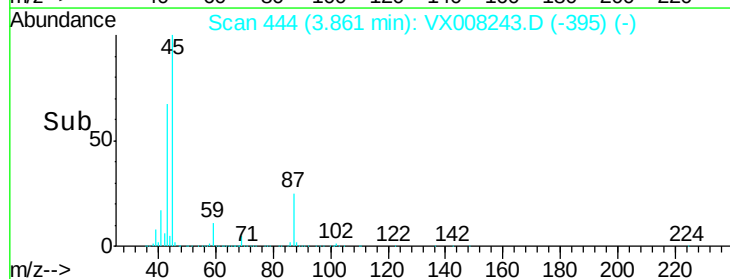
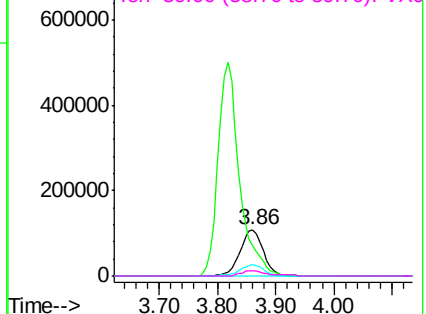
43 67.0 45.3 67.9

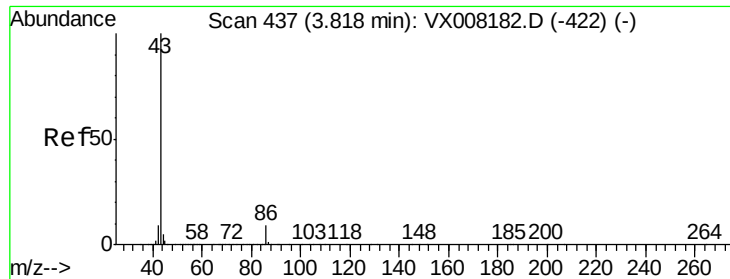
87 24.5 21.4 32.0

59 11.1 9.5 14.3



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: 104.058 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

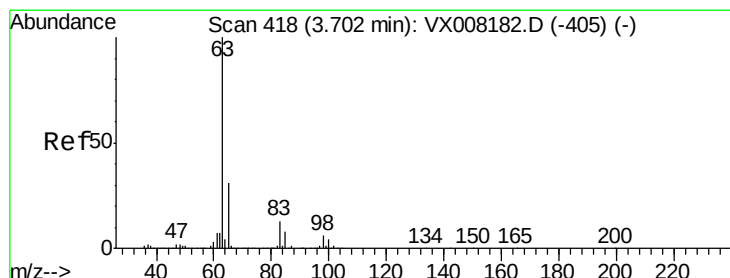
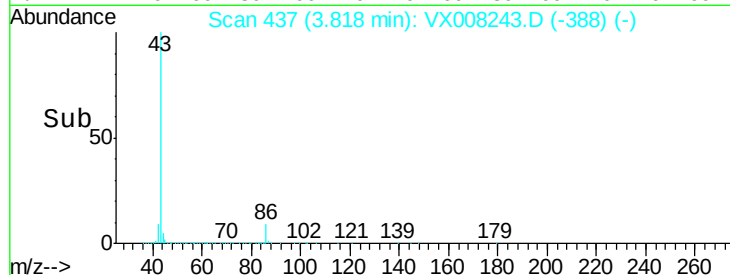
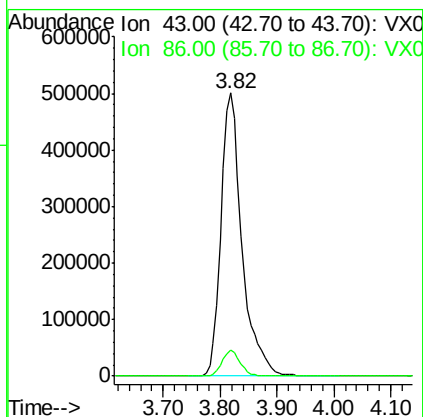
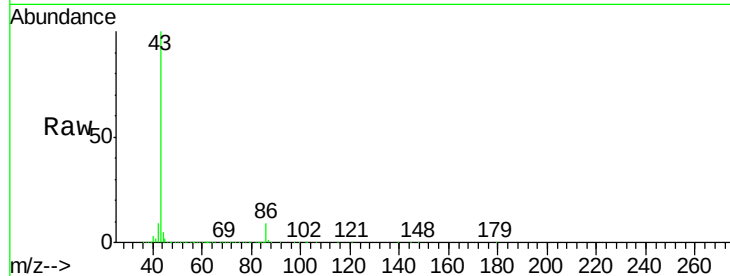
VX0320WBSD01

Tot Ion: 43 Resp: 1280506

Ion Ratio Lower Upper

43 100

86 9.1 7.9 11.9



#24

1,1-Dichloroethane

Concen: 20.554 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

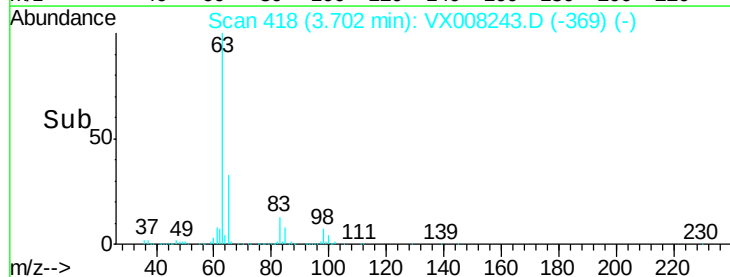
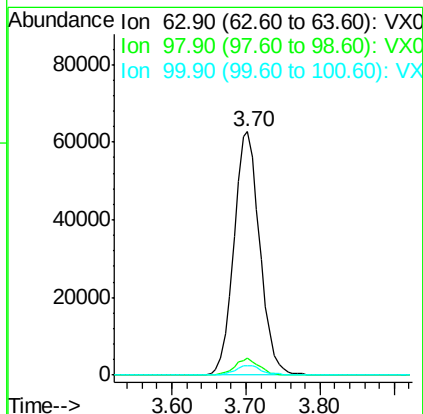
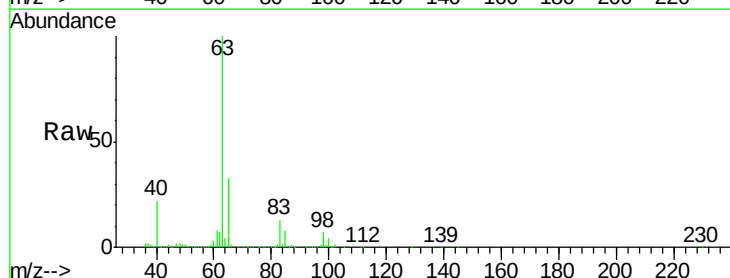
Tgt Ion: 63 Resp: 151731

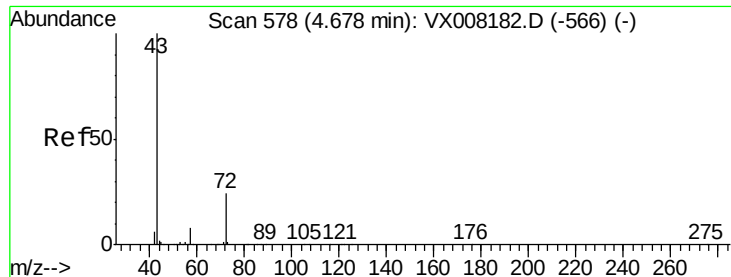
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 3.7 2.3 6.8





#25

2-Butanone

Concen: 101.623 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

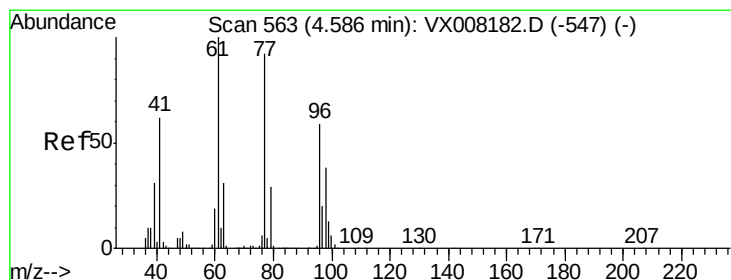
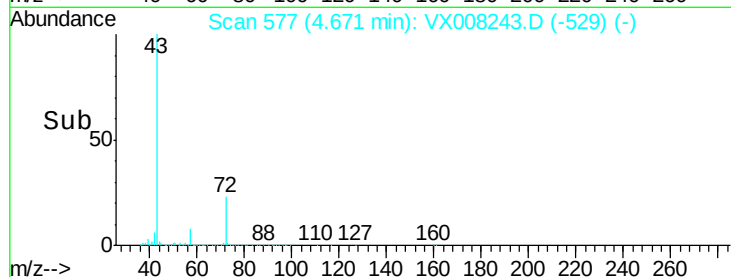
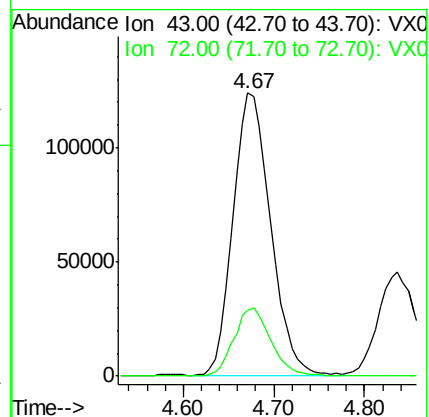
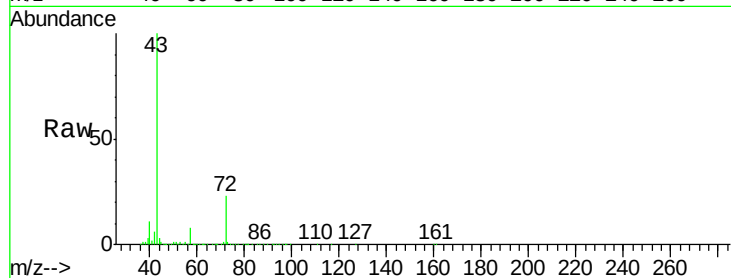
VX0320WBSD01

Tot Ion: 43 Resp: 355535

Ion Ratio Lower Upper

43 100

72 23.3 19.9 29.9



#26

2,2-Dichloropropane

Concen: 17.400 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX008243.D

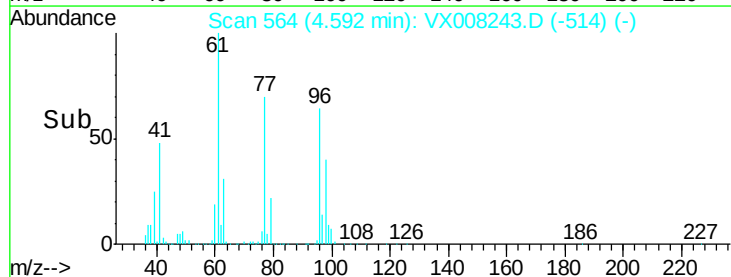
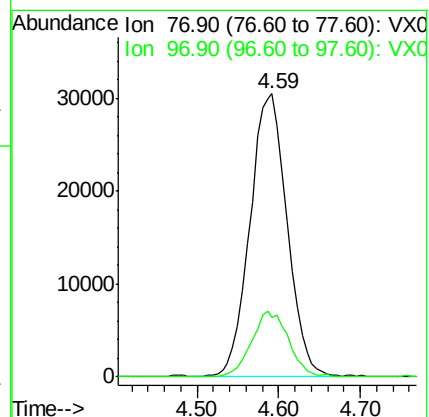
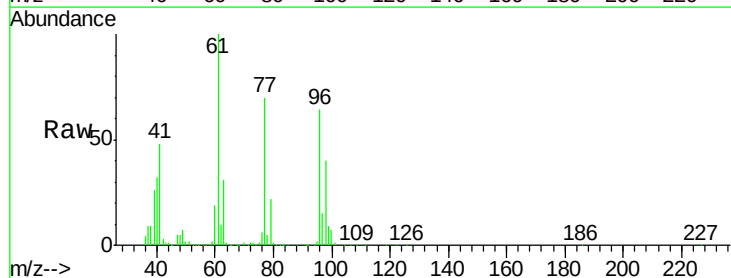
Acq: 20 Mar 2019 15:40

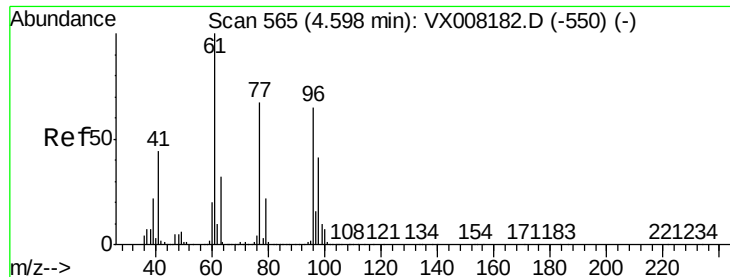
Tgt Ion: 77 Resp: 96767

Ion Ratio Lower Upper

77 100

97 23.1 12.2 36.6



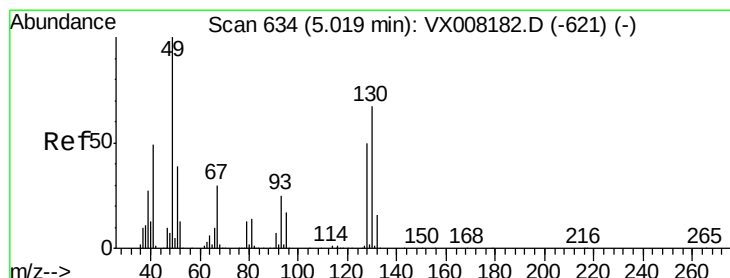
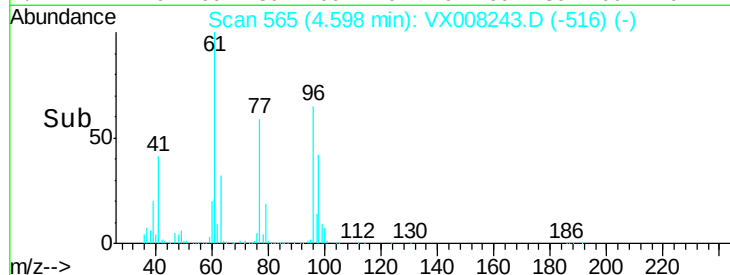
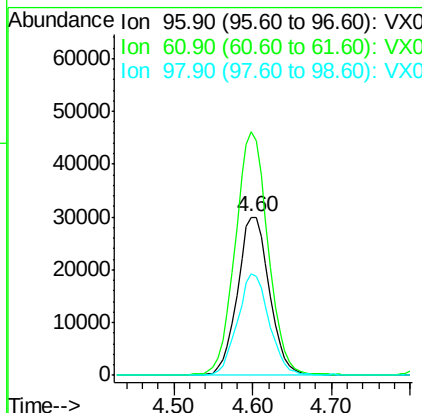
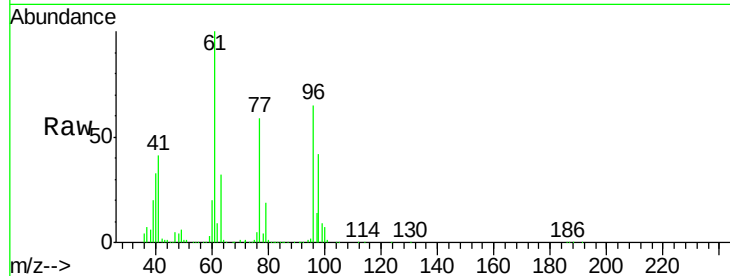


#27

cis-1,2-Dichloroethene
Concen: 20.410 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

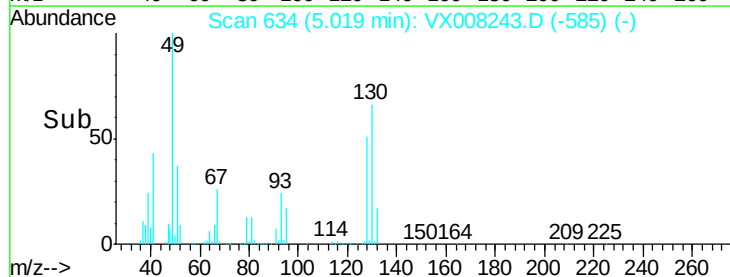
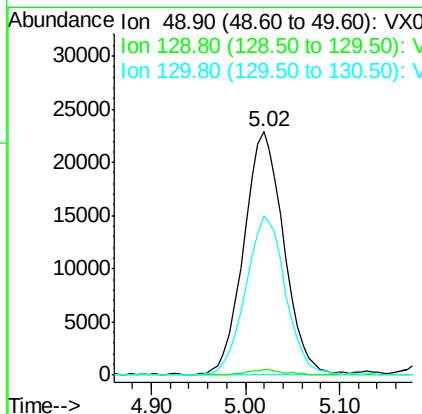
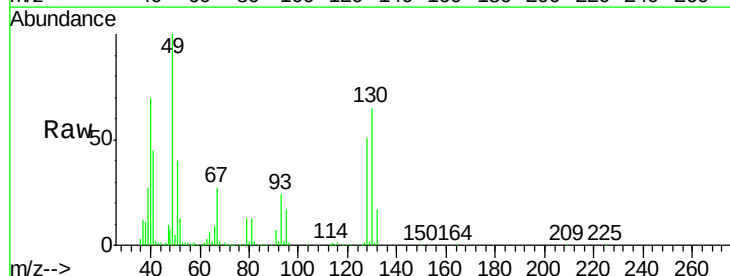
Tot Ion: 96 Resp: 84621
Ion Ratio Lower Upper
96 100
61 158.2 0.0 288.0
98 64.0 0.0 129.0

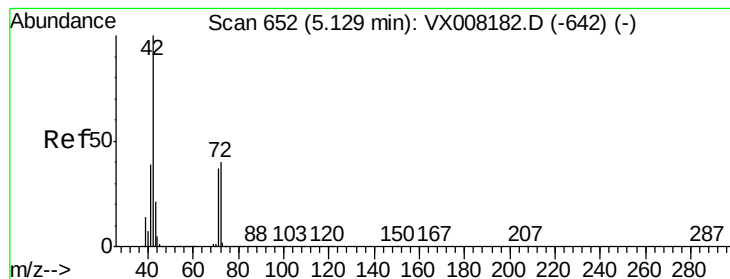


#28

Bromochloromethane
Concen: 20.413 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 49 Resp: 67667
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.0
130 65.6 65.0 97.4





#29

Tetrahydrofuran

Concen: 107.039 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

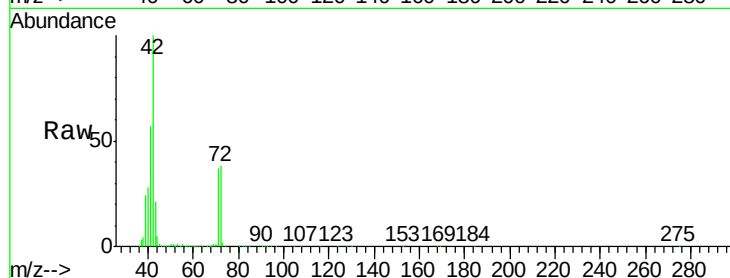
Tot Ion: 42 Resp: 234102

Ion Ratio Lower Upper

42 100

72 40.2 33.8 50.6

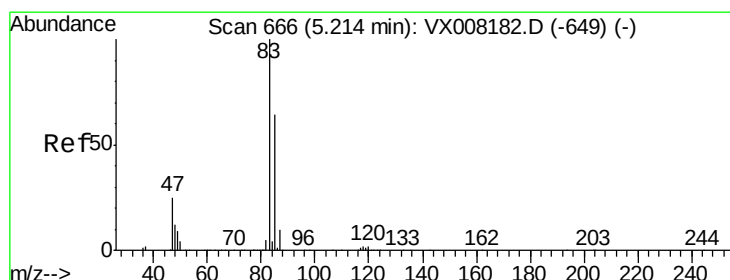
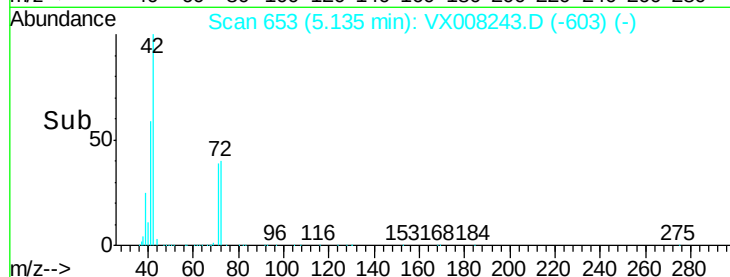
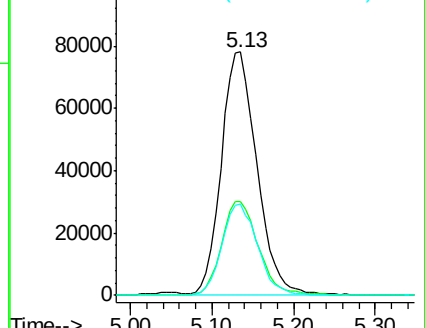
71 38.0 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.804 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008243.D

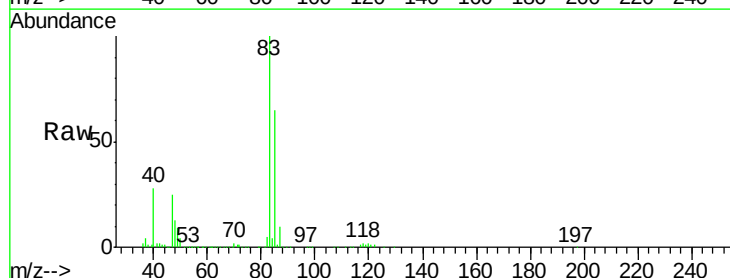
Acq: 20 Mar 2019 15:40

Tgt Ion: 83 Resp: 143661

Ion Ratio Lower Upper

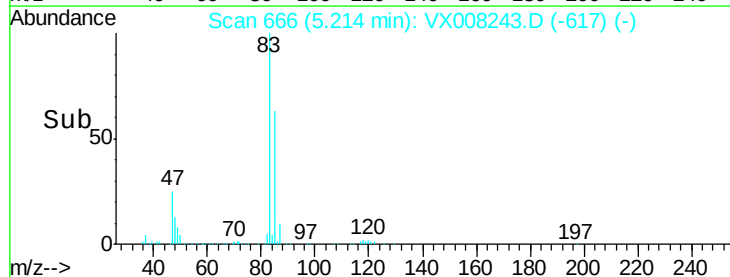
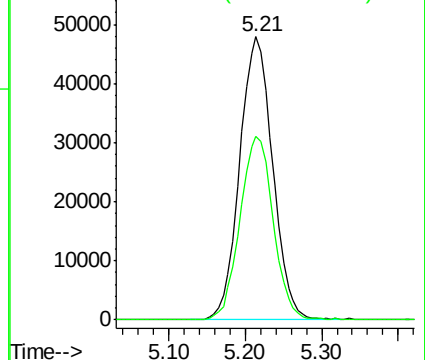
83 100

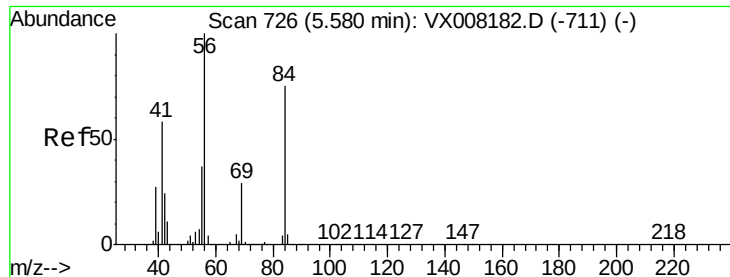
85 64.7 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

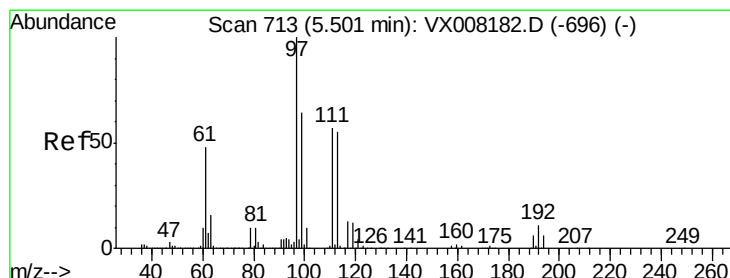
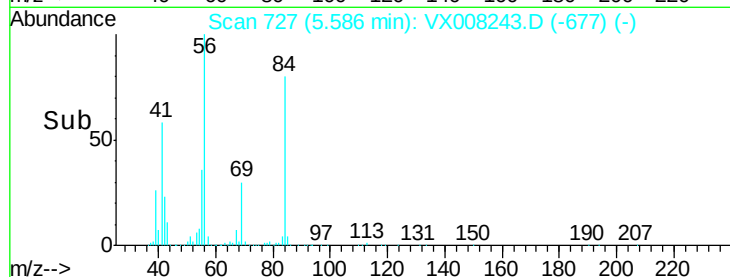
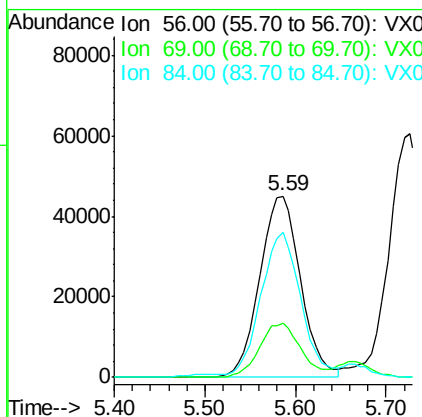
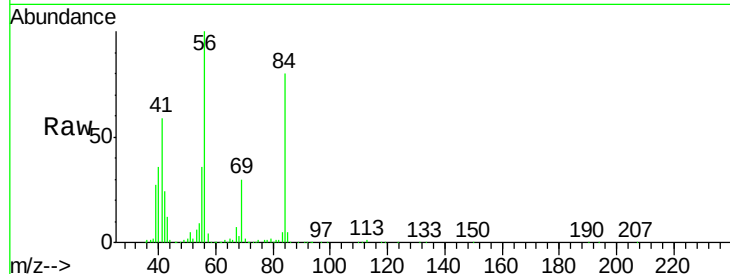




#31
Cyclohexane
Concen: 20.251 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

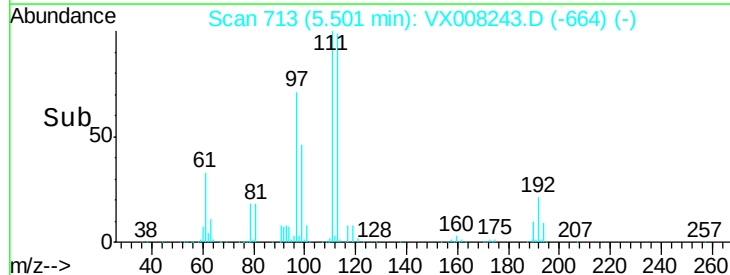
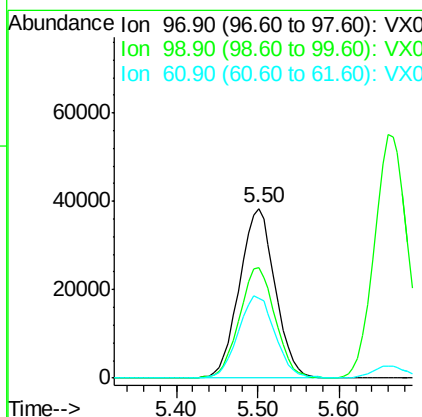
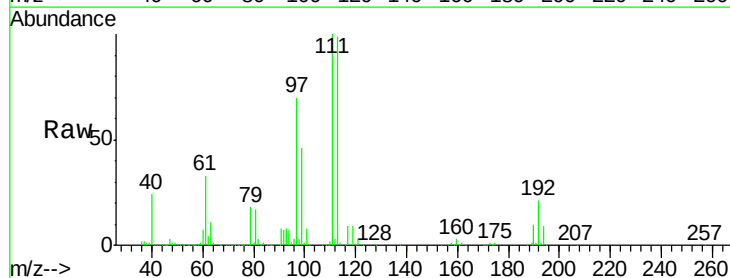
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

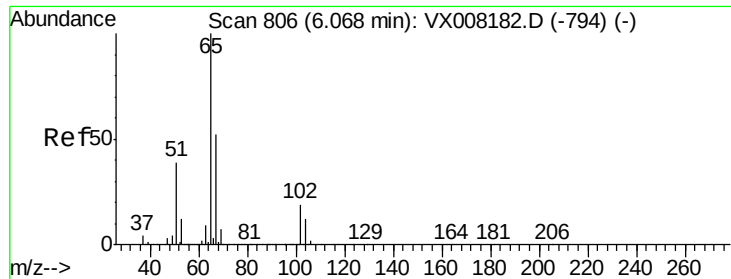
Tot Ion: 56 Resp: 140381
Ion Ratio Lower Upper
56 100
69 30.2 24.0 36.0
84 79.4 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 20.366 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 97 Resp: 116988
Ion Ratio Lower Upper
97 100
99 65.3 52.2 78.2
61 49.0 34.9 52.3

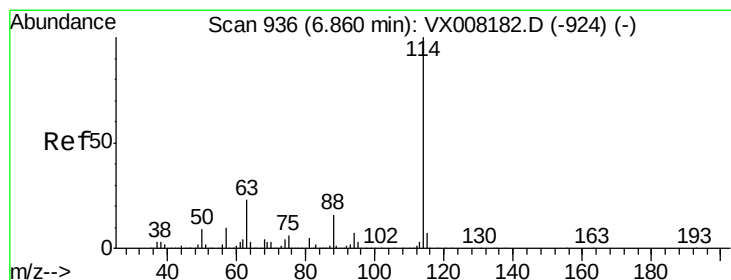
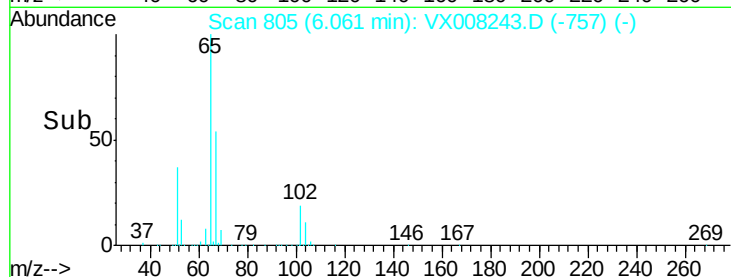
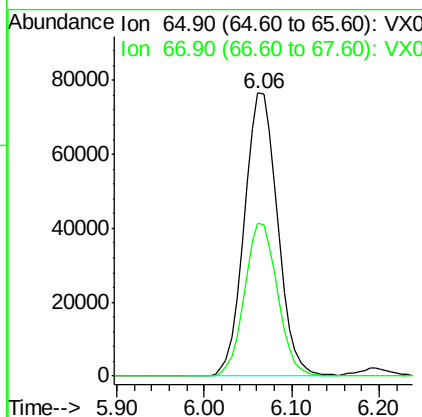
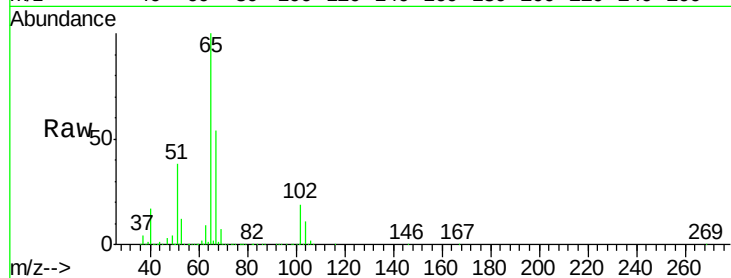




#33
 1,2-Dichloroethane-d4
 Concen: 48.524 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

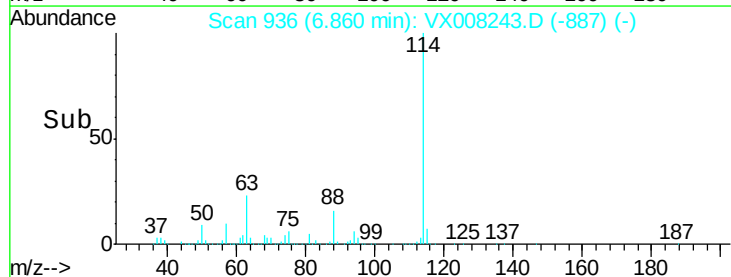
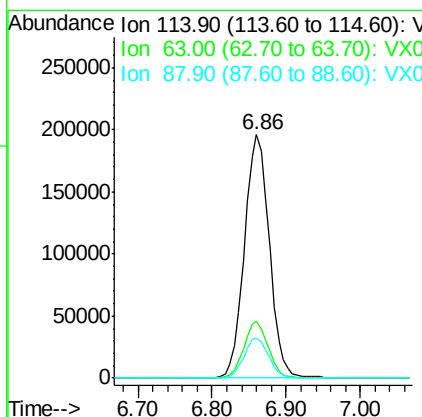
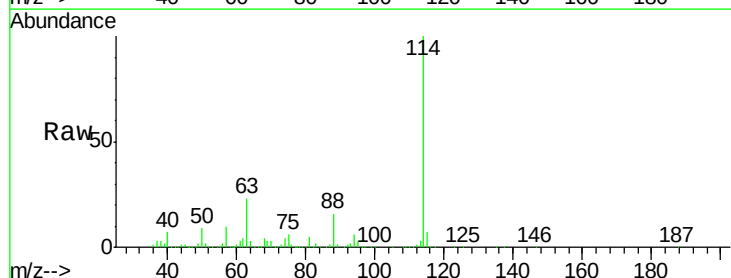
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

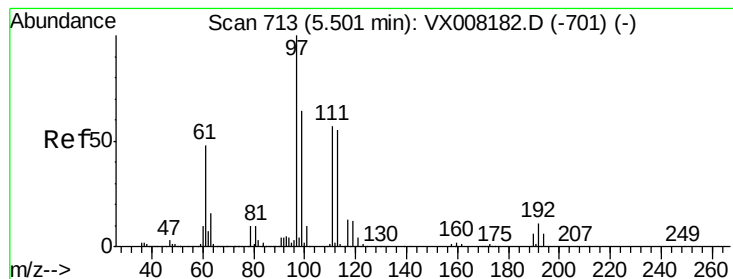
Tot Ion: 65 Resp: 202774
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion: 114 Resp: 460774
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 39.8
 88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.446 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampled :

VX0320WBSD01

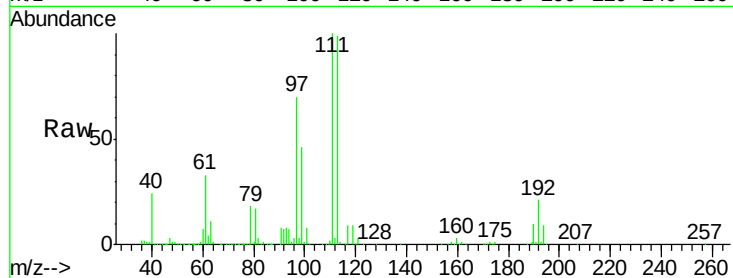
Tot Ion:113 Resp: 152521

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

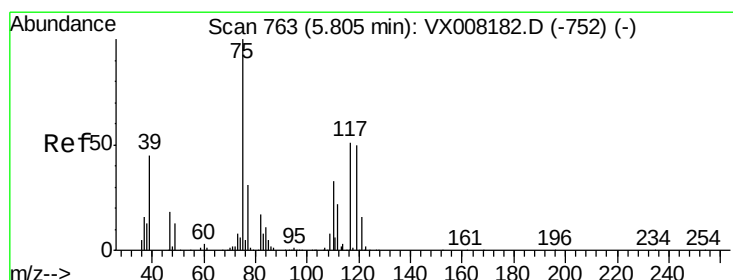
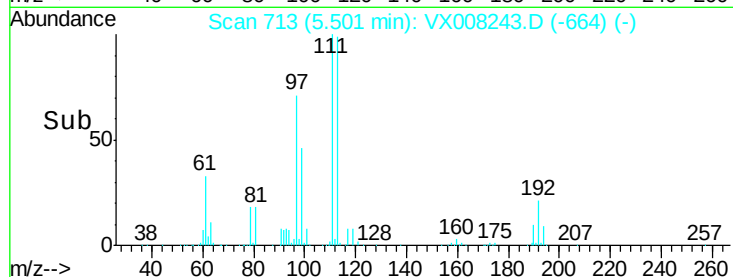
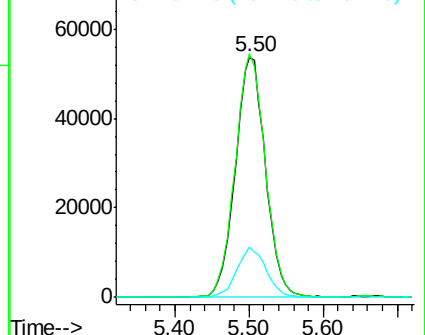
192 20.2 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.893 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

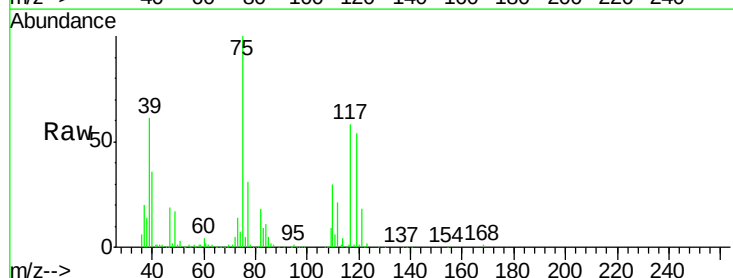
Tgt Ion: 75 Resp: 106717

Ion Ratio Lower Upper

75 100

110 33.3 18.4 55.0

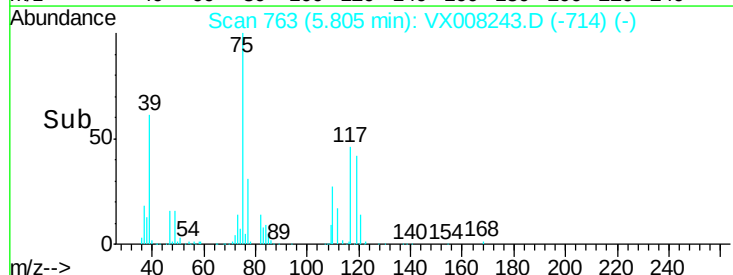
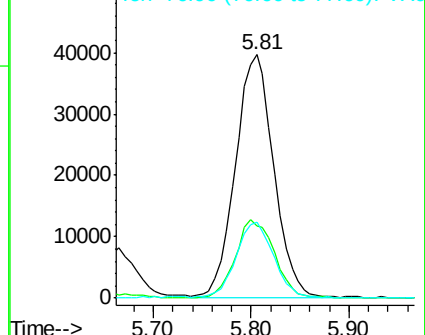
77 30.8 25.0 37.4

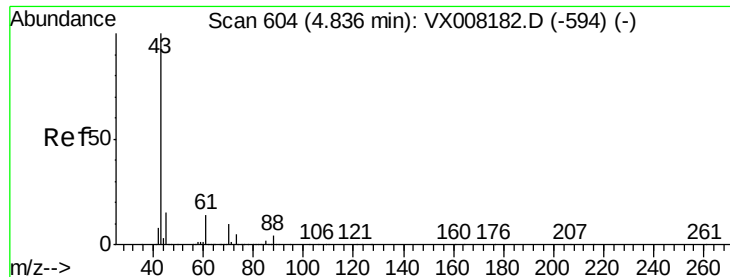


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

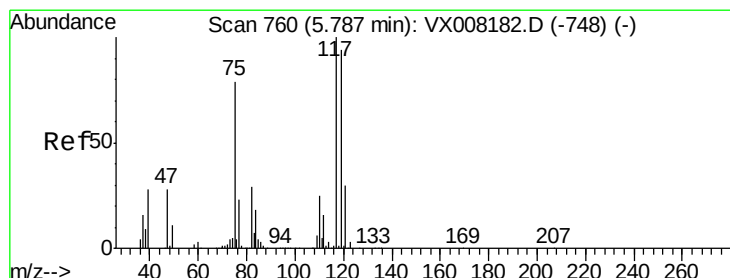
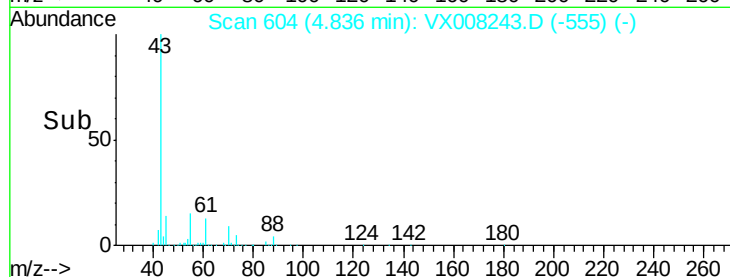
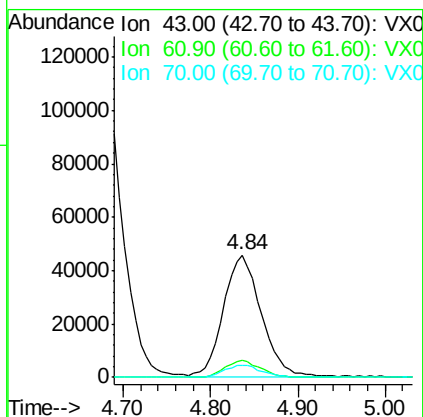
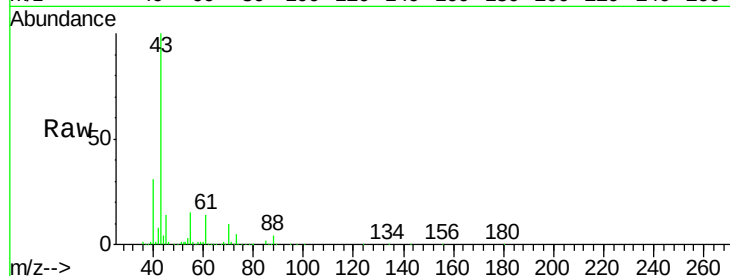




#37
Ethyl Acetate
Concen: 21.323 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

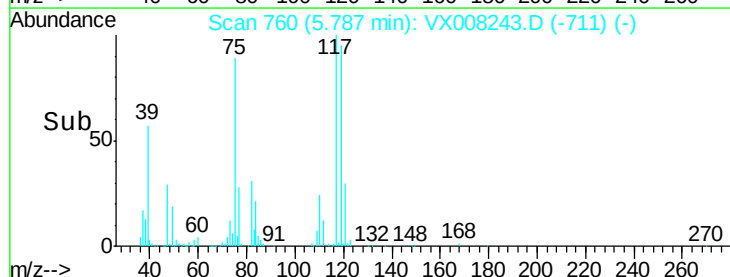
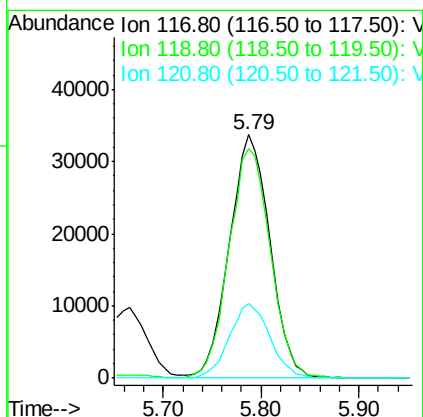
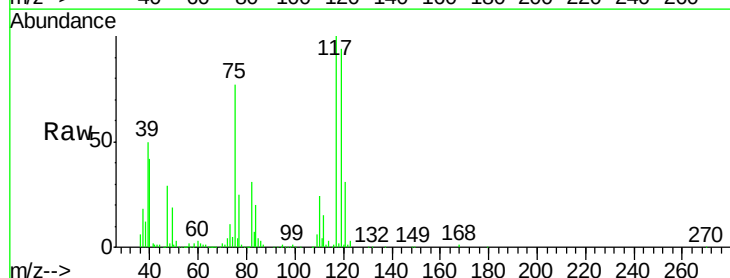
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

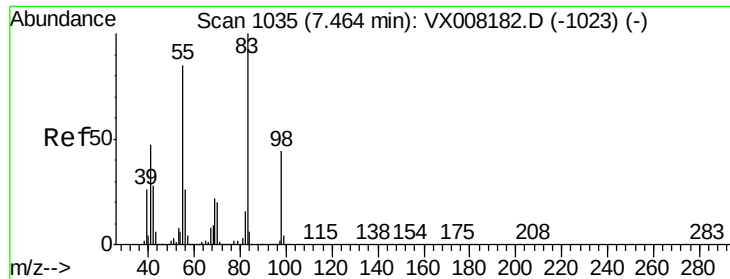
Tot Ion: 43 Resp: 135224
Ion Ratio Lower Upper
43 100
61 13.0 11.3 16.9
70 10.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.155 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 117 Resp: 96337
Ion Ratio Lower Upper
117 100
119 94.0 76.2 114.2
121 30.8 24.6 36.8

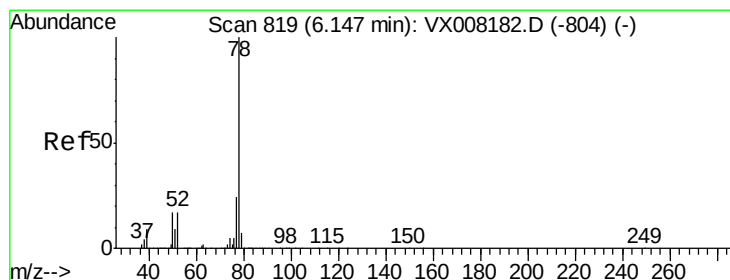
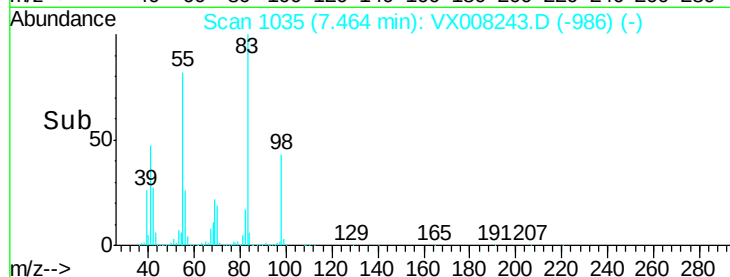
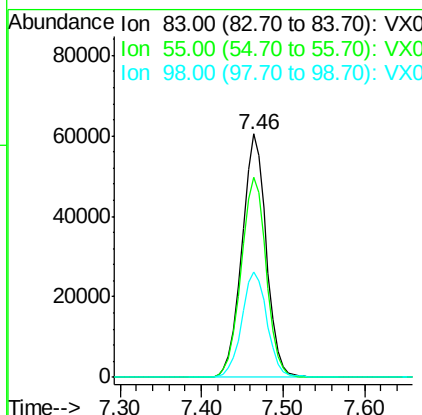
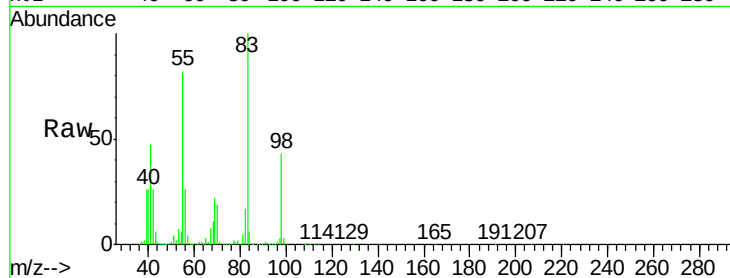




#39
Methylvlcyclohexane
Concen: 19.370 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

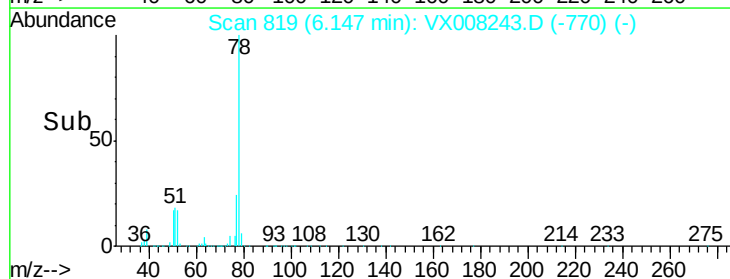
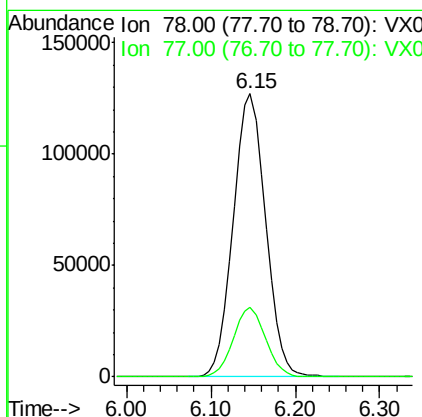
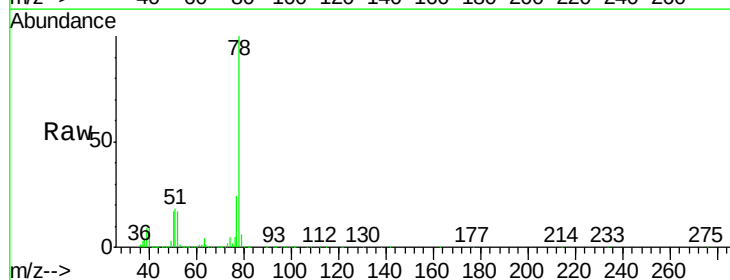
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

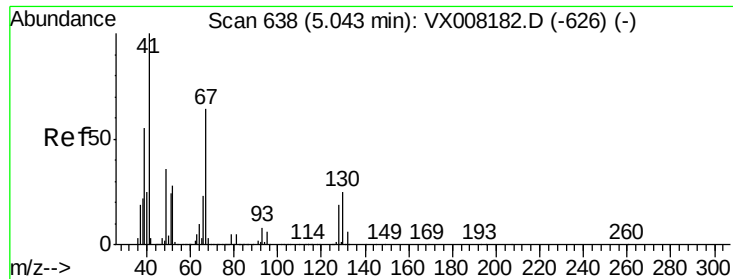
Tot Ion	83.00	Resp	125047
Ion Ratio	Lower	Upper	
83	100		
55	81.8	60.4	90.6
98	43.4	36.5	54.7



#40
Benzene
Concen: 20.877 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	78.00	Resp	331481
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.0	28.4

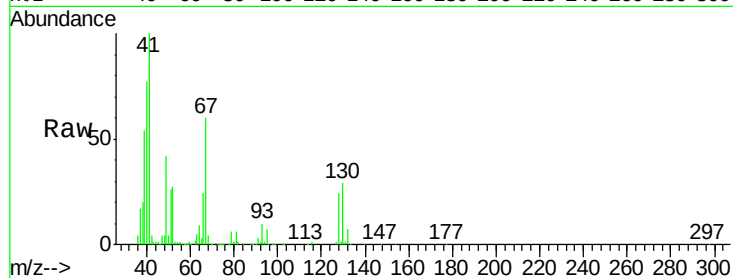




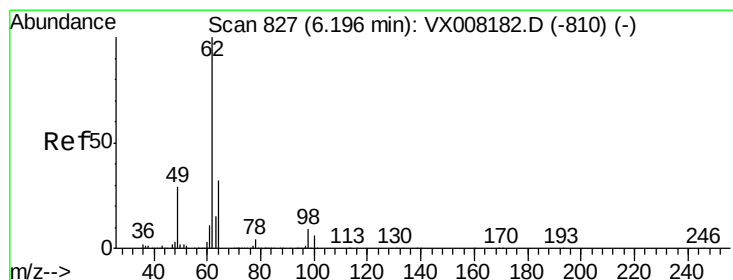
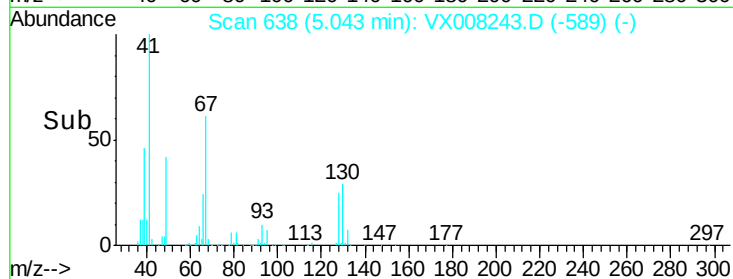
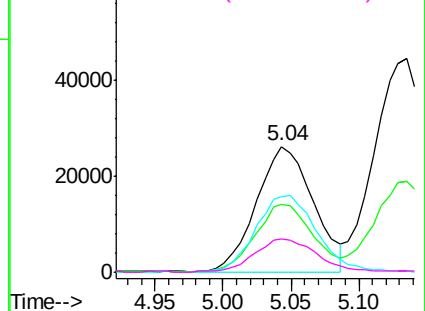
#41
Methacrylonitrile
Concen: 21.366 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion:	41	Resp:	76001
Ion	Ratio	Lower	Upper
41	100		
39	54.8	41.6	62.4
67	66.2	55.8	83.6
52	28.1	21.7	32.5

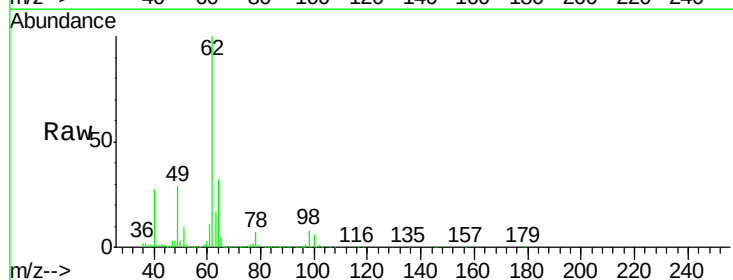


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

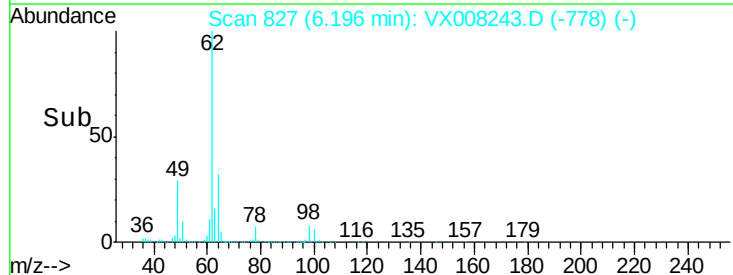
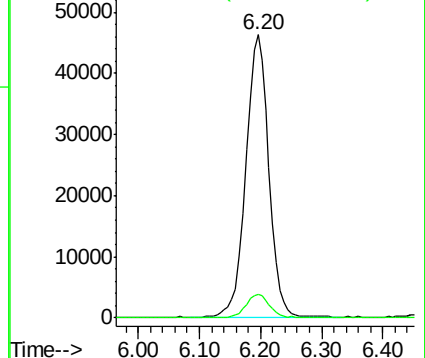


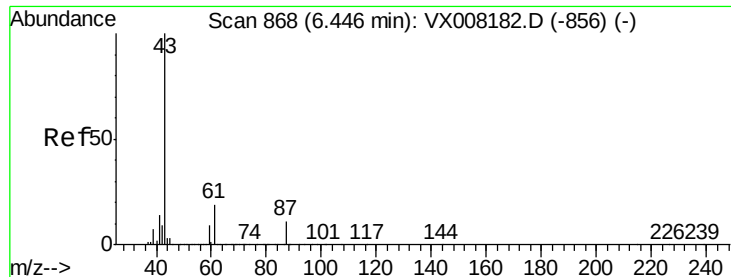
#42
1,2-Dichloroethane
Concen: 20.684 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion:	62	Resp:	120314
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 20.687 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

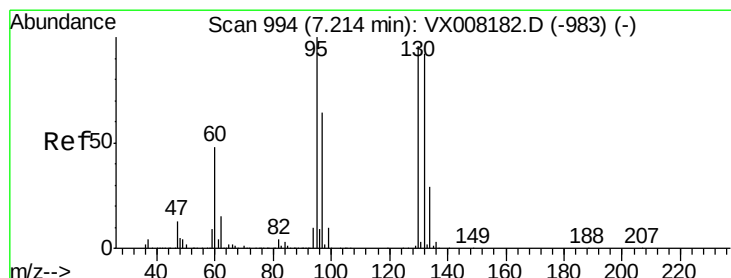
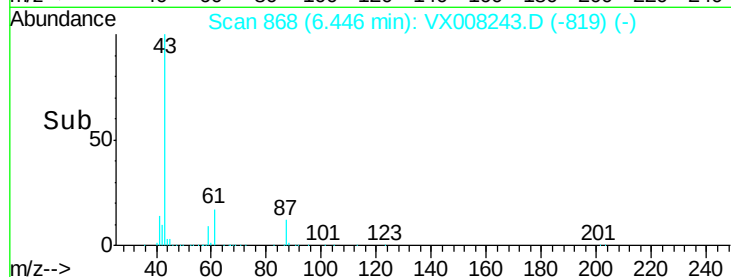
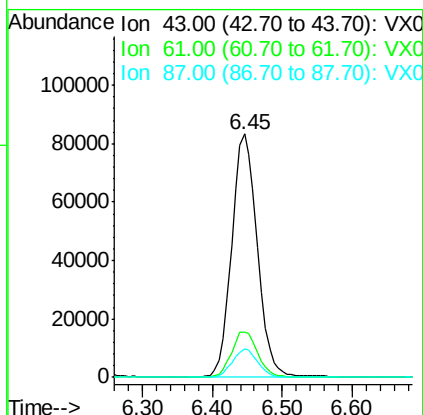
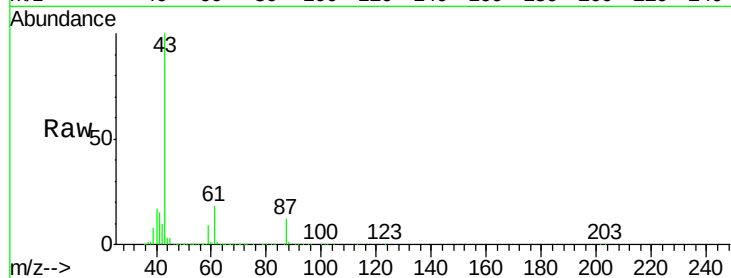
Tot Ion: 43 Resp: 210280

Ion Ratio Lower Upper

43 100

61 19.4 16.3 24.5

87 11.8 10.5 15.7



#44

Trichloroethene

Concen: 20.282 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008243.D

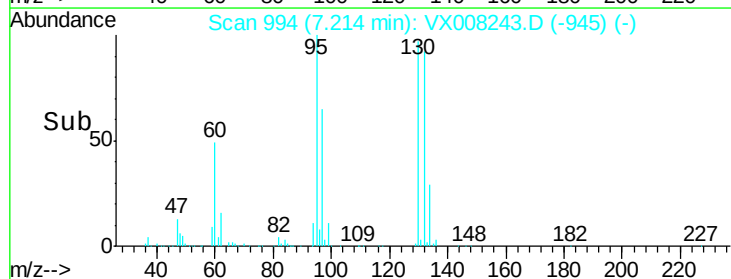
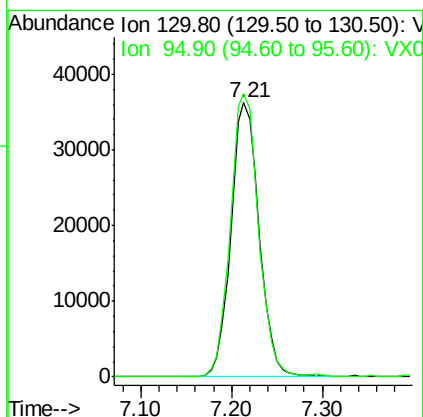
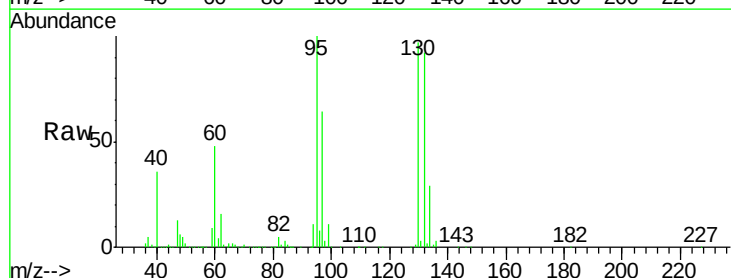
Acq: 20 Mar 2019 15:40

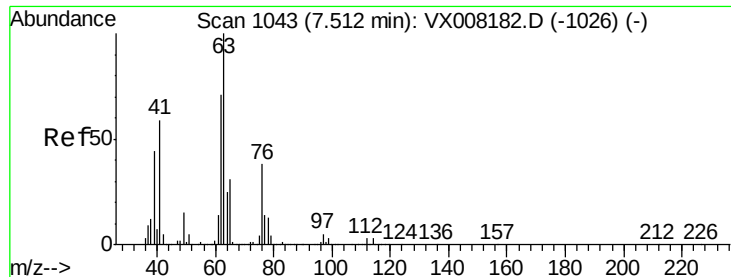
Tgt Ion:130 Resp: 78743

Ion Ratio Lower Upper

130 100

95 103.3 0.0 188.0

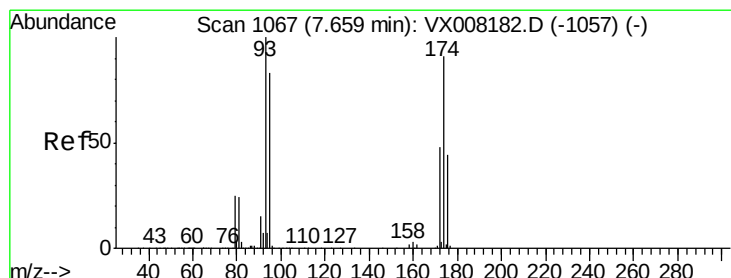
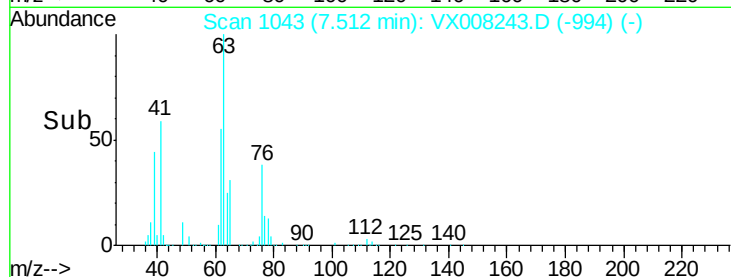
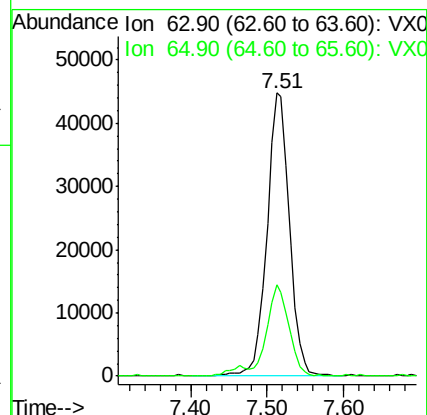
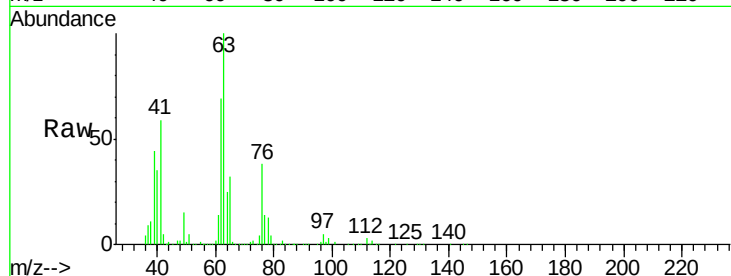




#45
 1,2-Dichloropropane
 Concen: 20.760 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

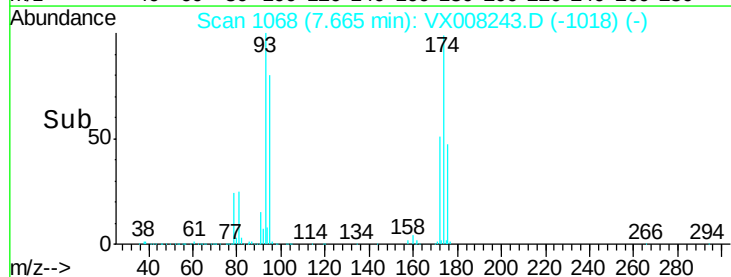
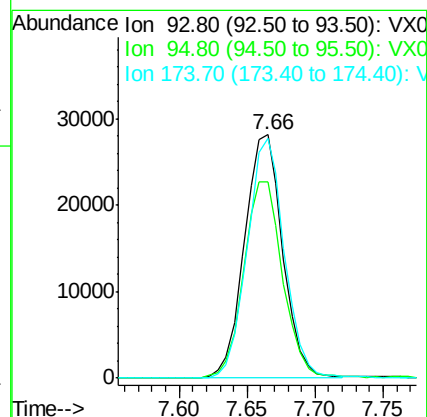
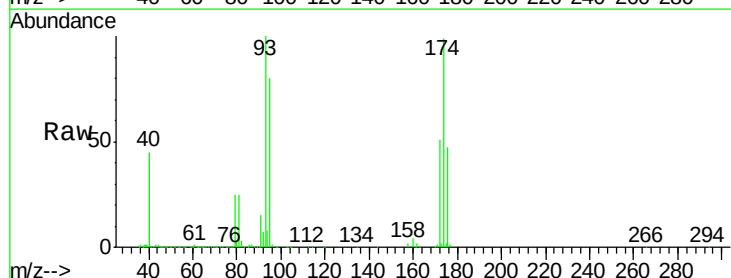
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

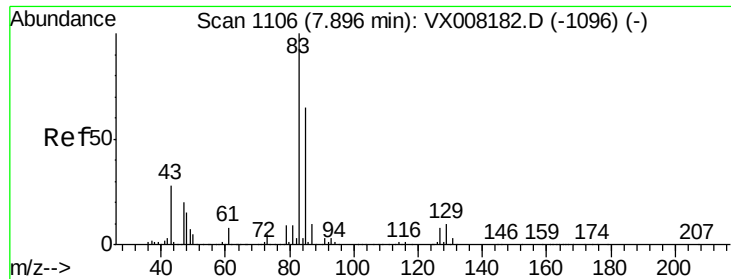
Tot Ion: 63 Resp: 92275
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.7 37.1



#46
 Dibromomethane
 Concen: 20.561 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion: 93 Resp: 55334
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.8 100.2
 174 96.4 97.3 145.9#





#47

Bromodichloromethane

Concen: 20.688 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

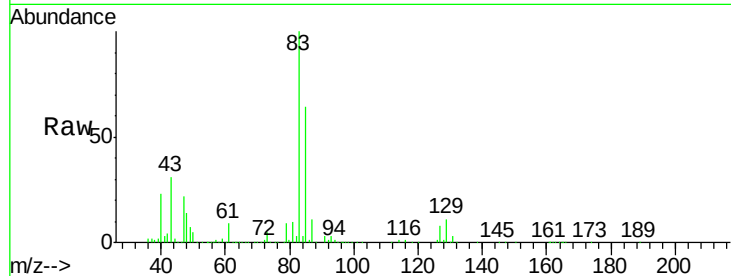
Tot Ion: 83 Resp: 106108

Ion Ratio Lower Upper

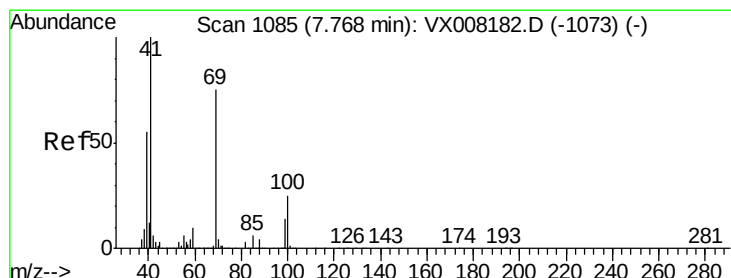
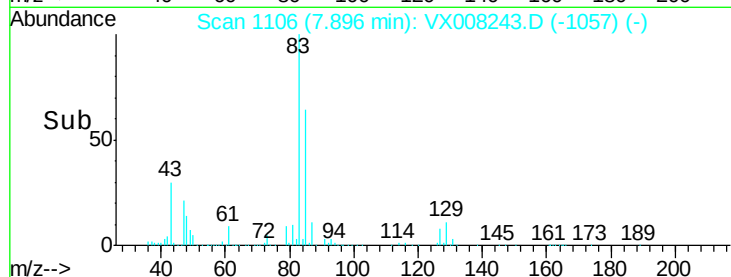
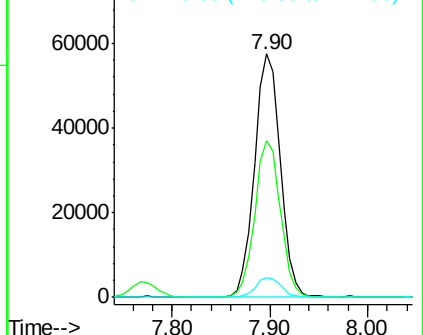
83 100

85 64.2 50.9 76.3

127 8.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.505 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

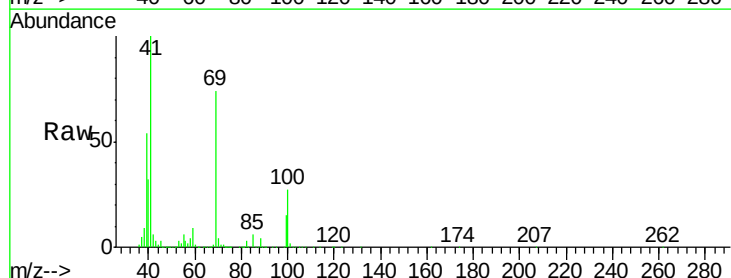
Tgt Ion: 41 Resp: 110827

Ion Ratio Lower Upper

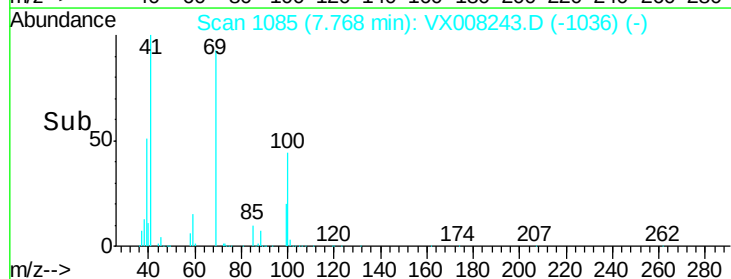
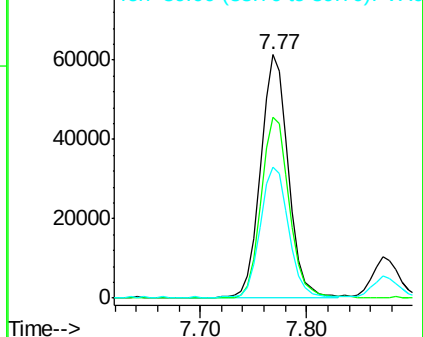
41 100

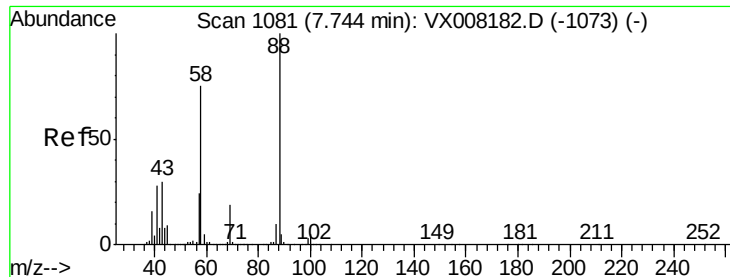
69 76.7 65.2 97.8

39 55.1 39.4 59.2



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: 412.892 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

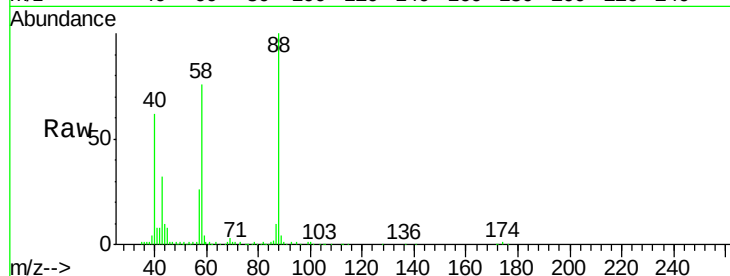
Tot Ion: 88 Resp: 39380

Ion Ratio Lower Upper

88 100

43 38.0 25.1 37.7#

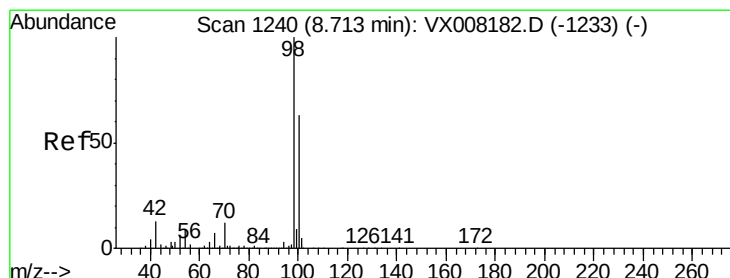
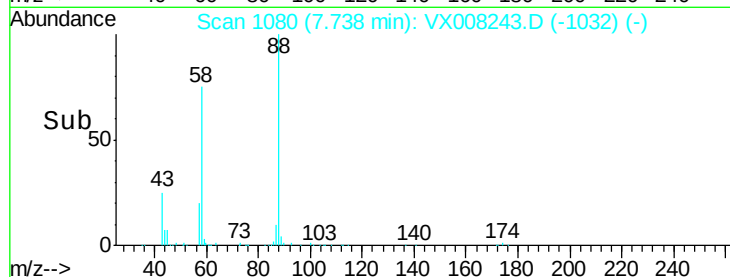
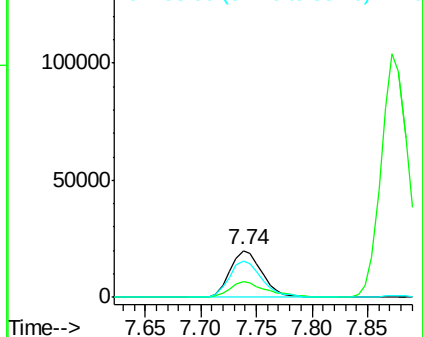
58 80.2 57.8 86.6



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.467 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008243.D

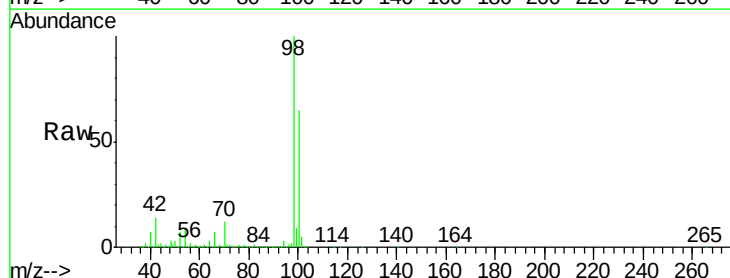
Acq: 20 Mar 2019 15:40

Tgt Ion: 98 Resp: 578500

Ion Ratio Lower Upper

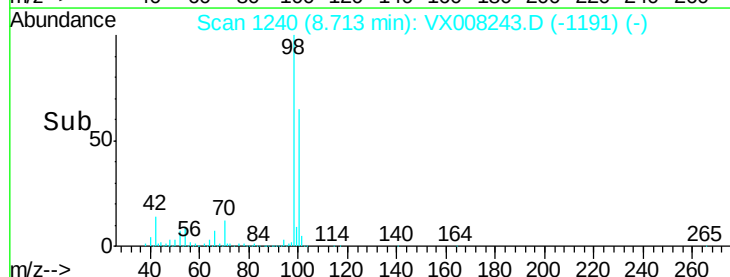
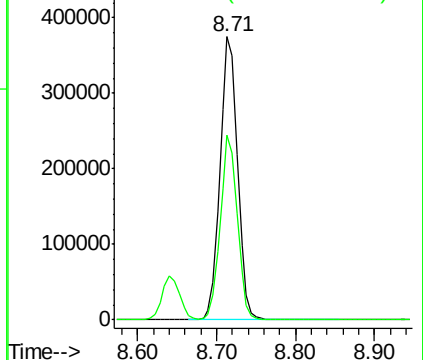
98 100

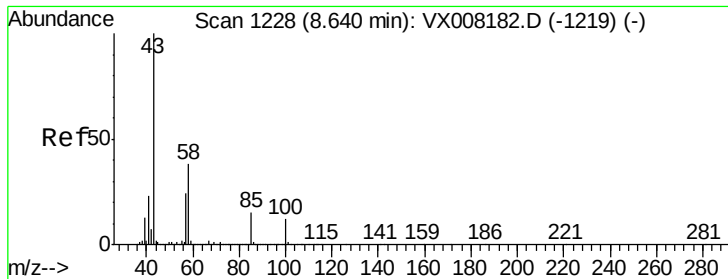
100 63.6 51.7 77.5



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: 107.614 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

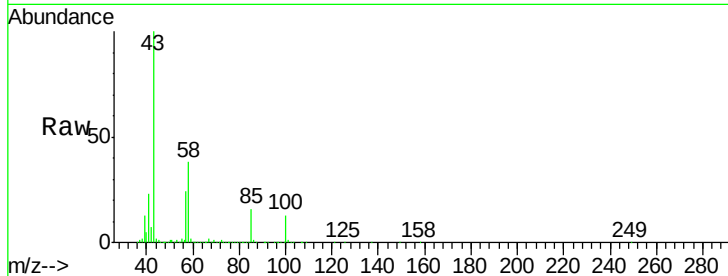
VX0320WBSD01

Tot Ion: 43 Resp: 707180

Ion Ratio Lower Upper

43 100

58 37.5 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

400000

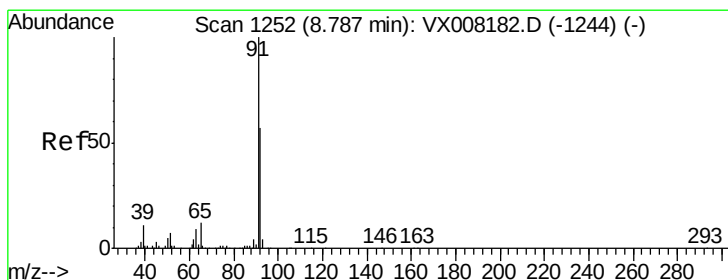
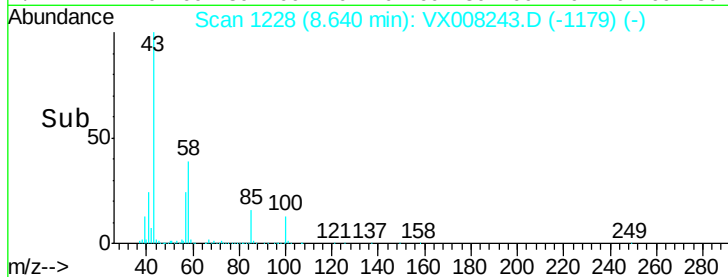
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 20.671 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008243.D

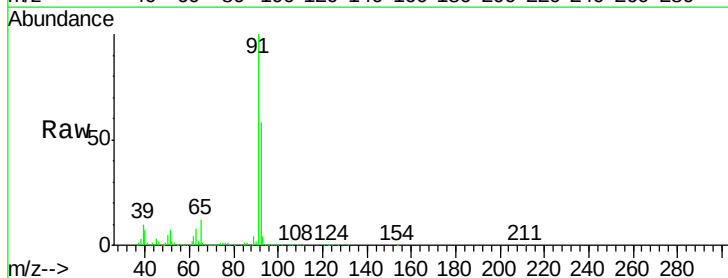
Acq: 20 Mar 2019 15:40

Tgt Ion: 92 Resp: 194715

Ion Ratio Lower Upper

92 100

91 173.9 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

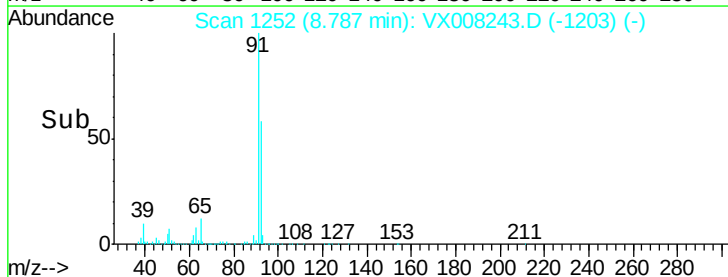
150000

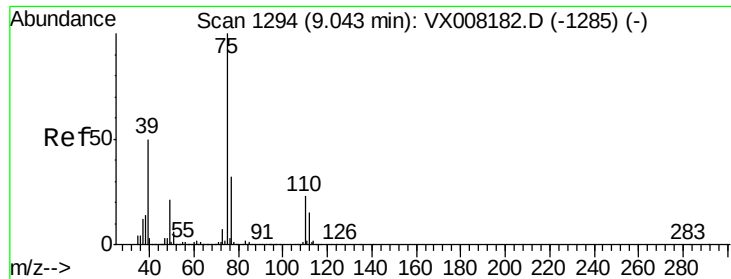
100000

50000

0

Time--> 8.70 8.75 8.80 8.85 8.90





#53

t-1,3-Dichloropropene

Concen: 18.444 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

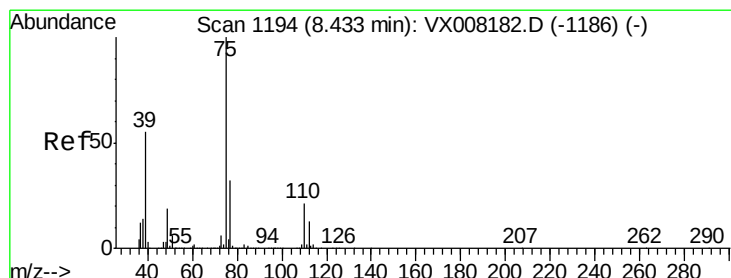
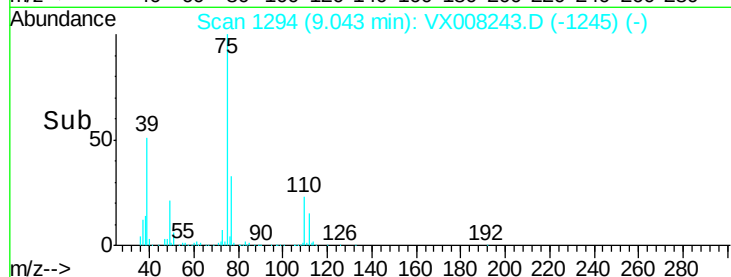
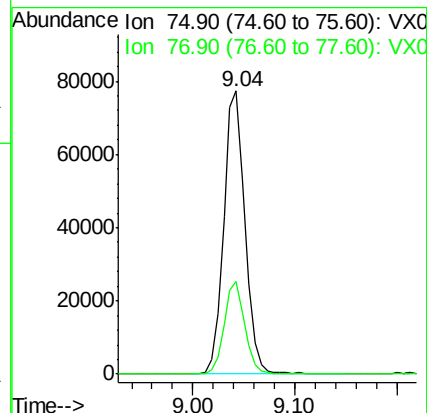
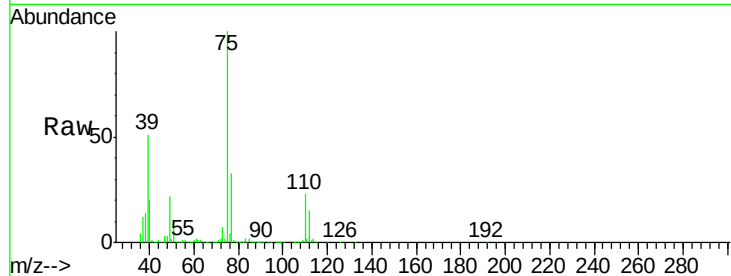
VX0320WBSD01

Tot Ion: 75 Resp: 112533

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.543 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

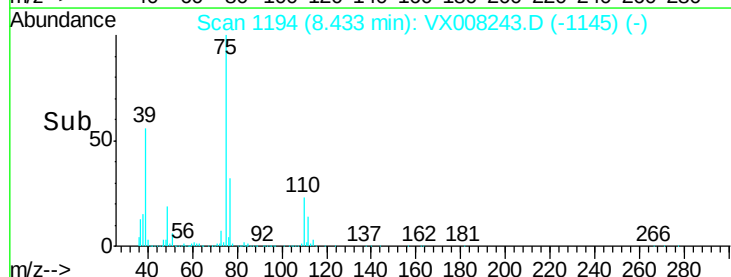
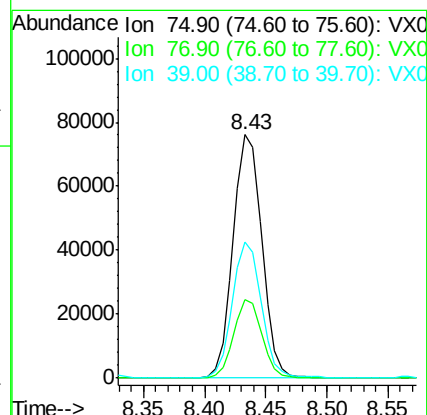
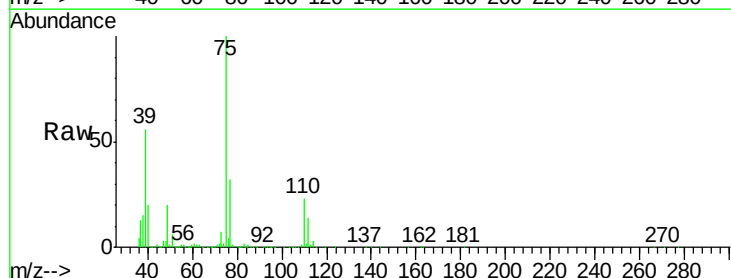
Tgt Ion: 75 Resp: 124395

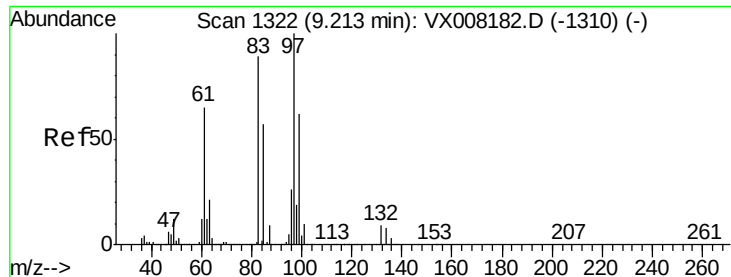
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6

39 55.7 36.6 54.8#





#55

1,1,2-Trichloroethane

Concen: 21.085 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 97 Resp: 80250

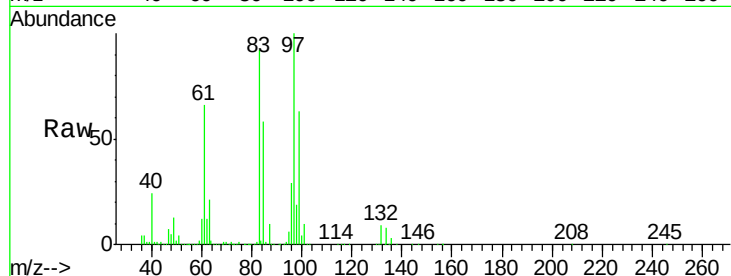
Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.1	103.7
85	58.1	44.3	66.5
99	62.7	49.8	74.8

97 100

83 91.4 69.1 103.7

85 58.1 44.3 66.5

99 62.7 49.8 74.8



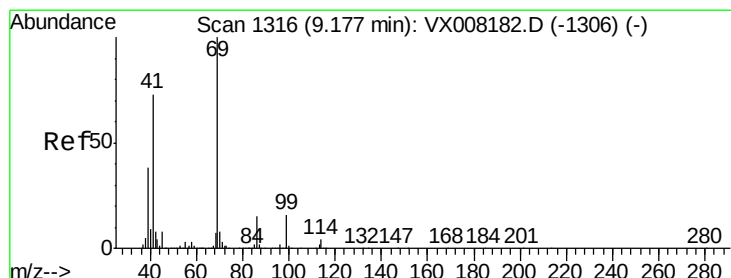
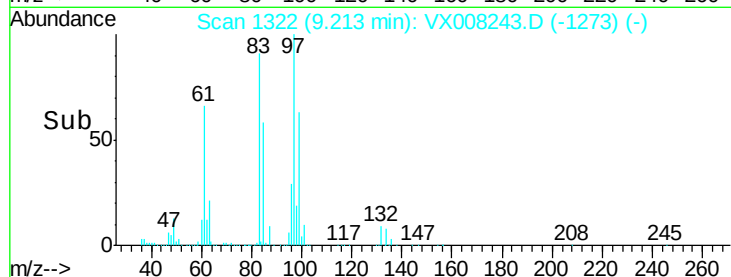
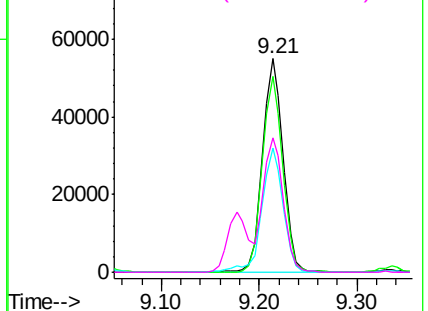
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.883 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

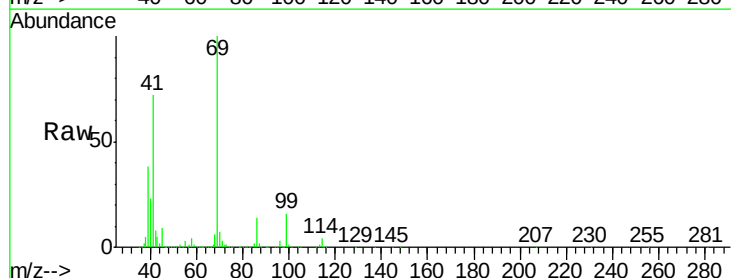
Tgt Ion: 69 Resp: 130597

Ion	Ratio	Lower	Upper
69	100		
41	72.3	54.2	81.4
39	38.2	25.0	37.4#

69 100

41 72.3 54.2 81.4

39 38.2 25.0 37.4#

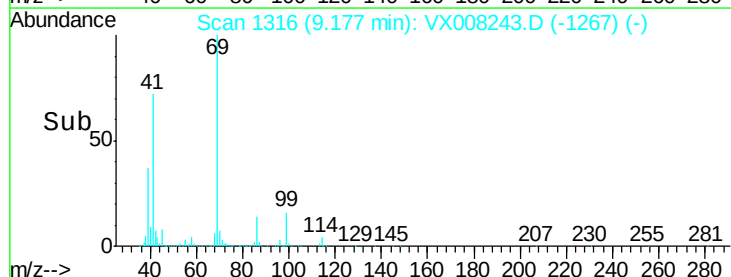
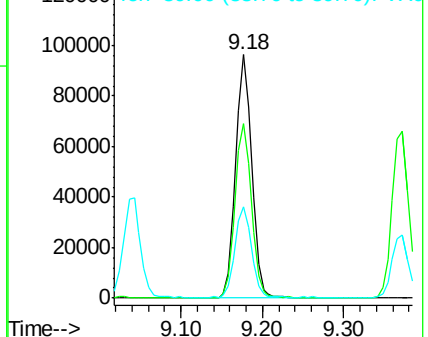


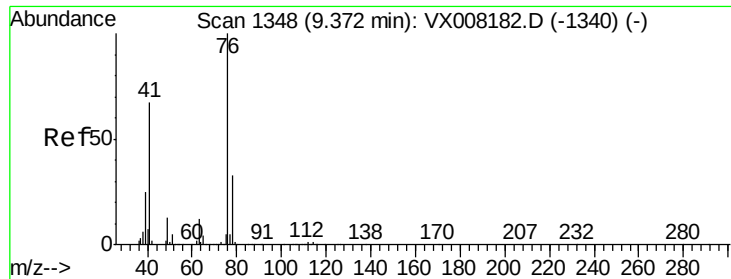
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.235 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

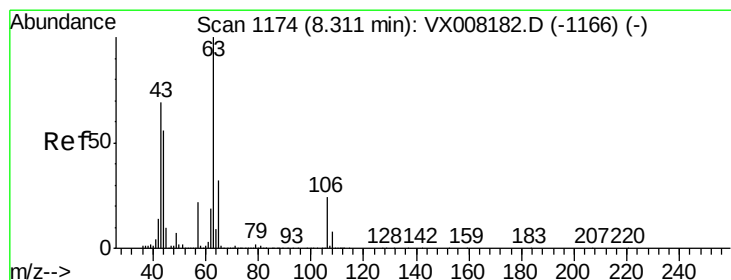
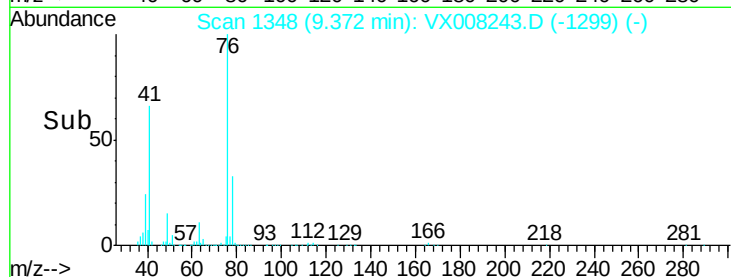
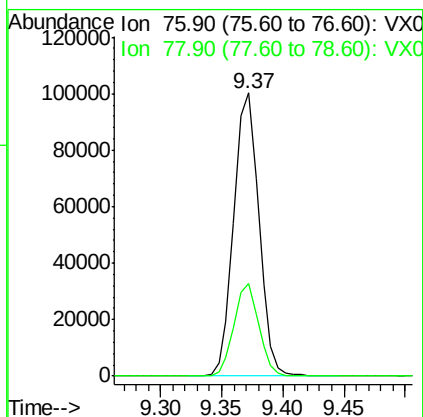
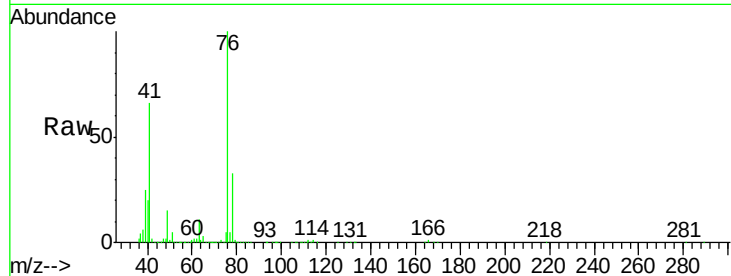
VX0320WBSD01

Tot Ion: 76 Resp: 142967

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 94.801 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008243.D

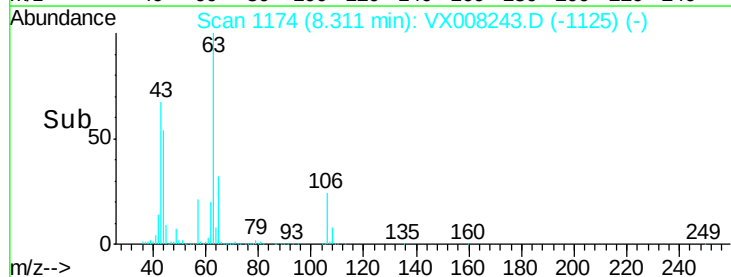
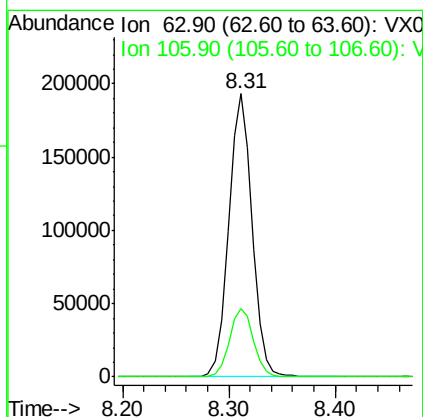
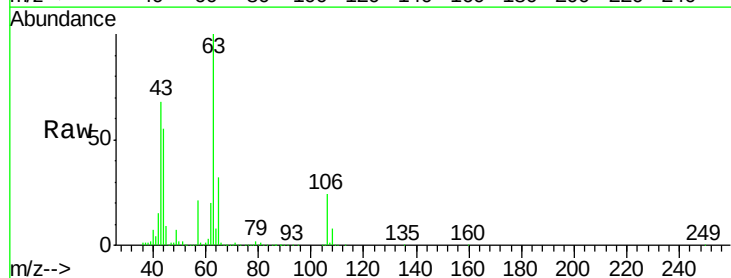
Acq: 20 Mar 2019 15:40

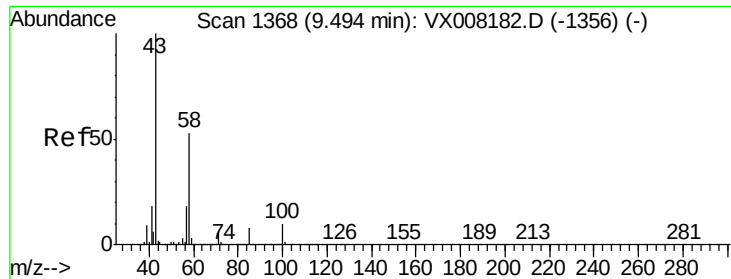
Tgt Ion: 63 Resp: 295620

Ion Ratio Lower Upper

63 100

106 24.8 22.2 33.2

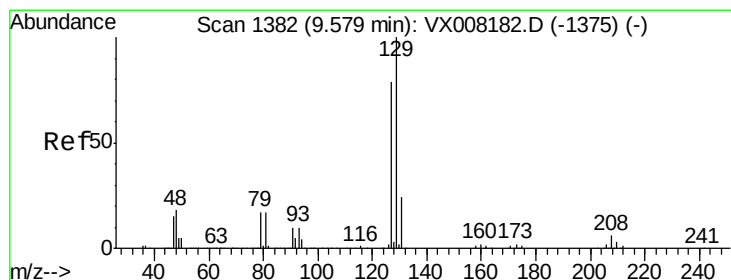
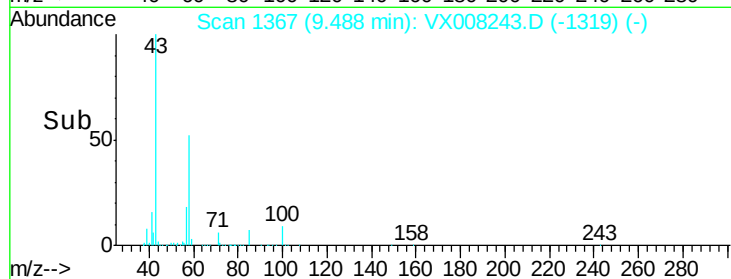
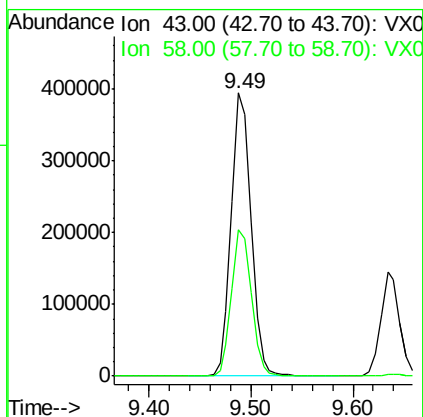
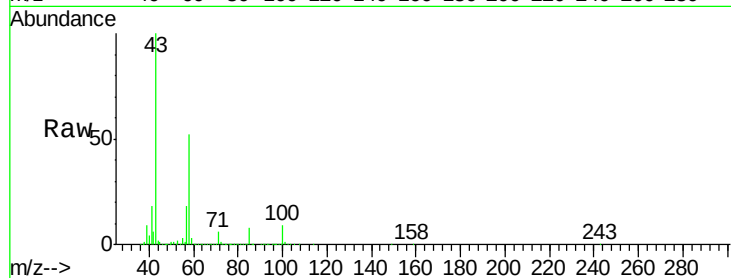




#59
2-Hexanone
Concen: 104.961 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

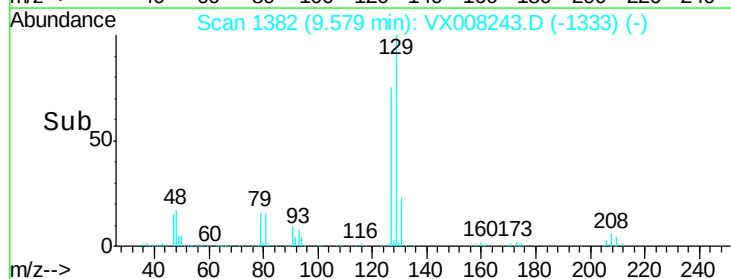
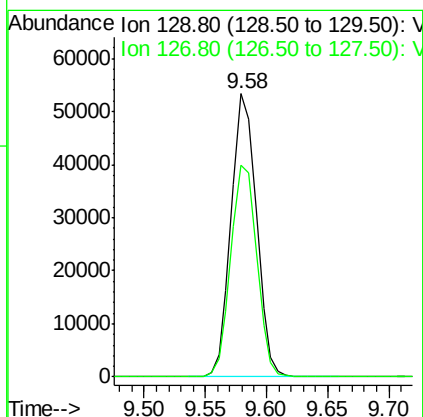
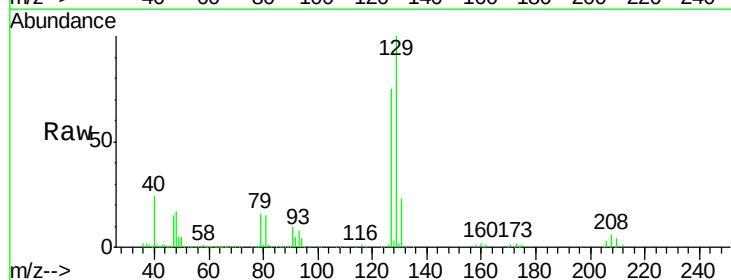
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

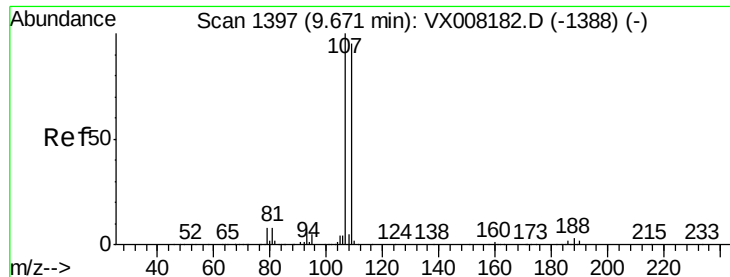
Tot Ion: 43 Resp: 531021
Ion Ratio Lower Upper
43 100
58 51.9 27.6 82.7



#60
Dibromochloromethane
Concen: 20.941 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion:129 Resp: 76596
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.907 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

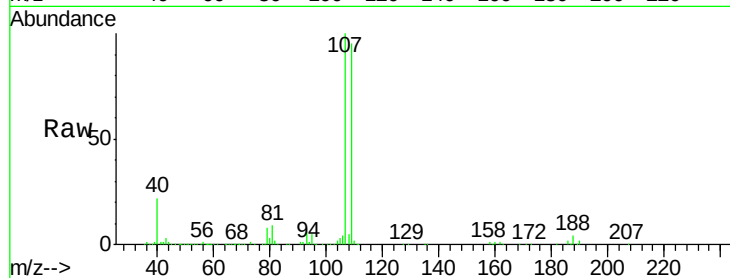
VX0320WBSD01

Tot Ion: 107 Resp: 83086

Ion Ratio Lower Upper

107 100

109 94.7 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

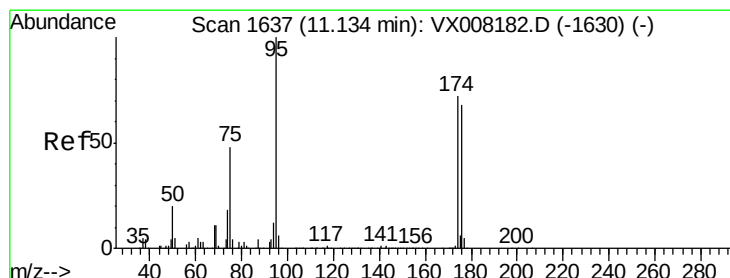
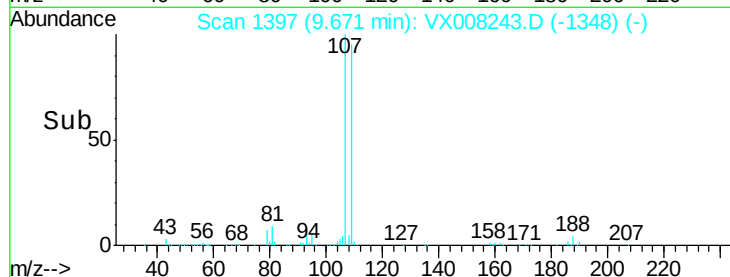
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.034 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

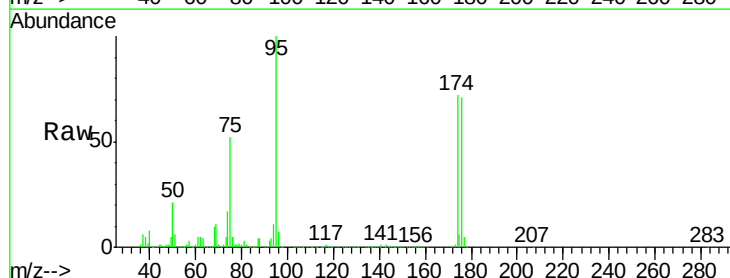
Tgt Ion: 95 Resp: 201472

Ion Ratio Lower Upper

95 100

174 78.9 0.0 182.8

176 76.3 0.0 178.0



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

200000

150000

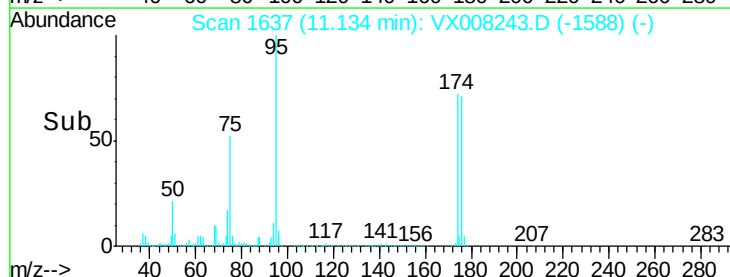
100000

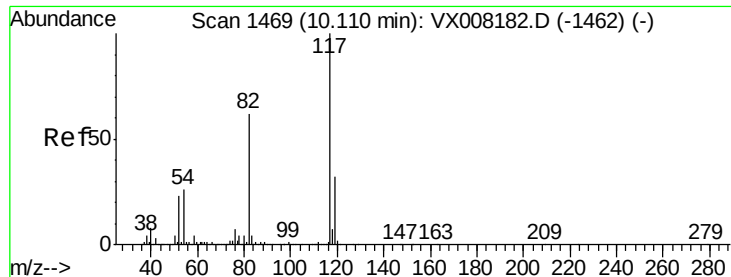
50000

0

11.10 11.20

Time-->

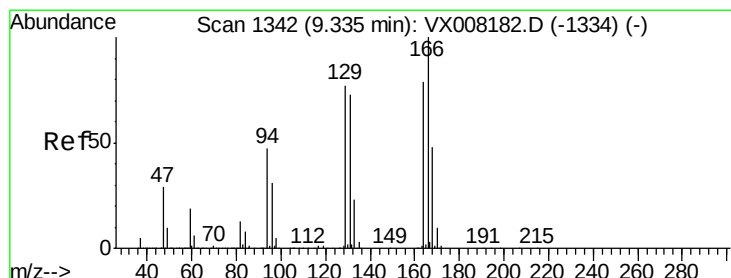
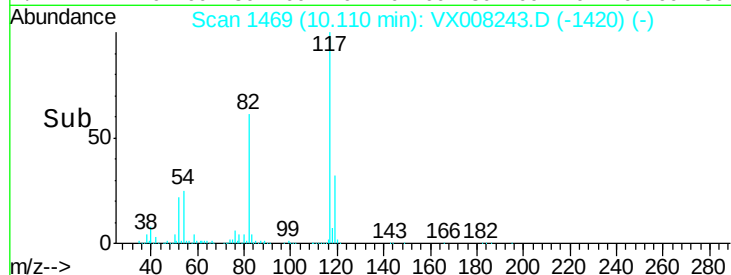
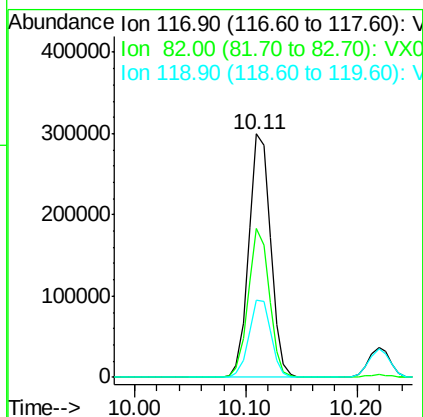
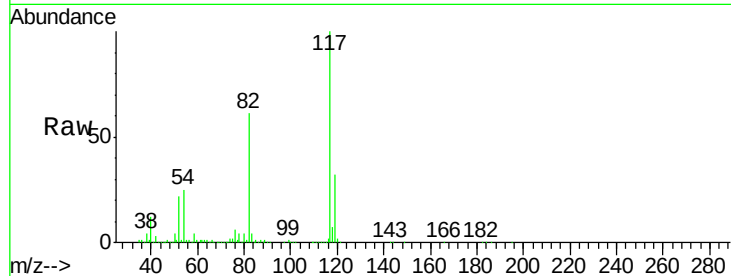




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

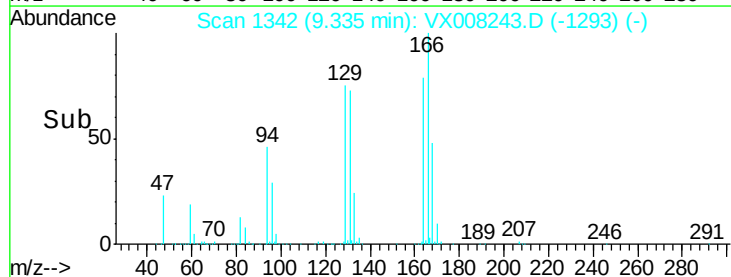
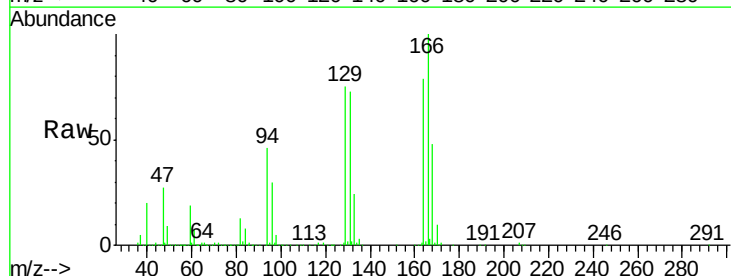
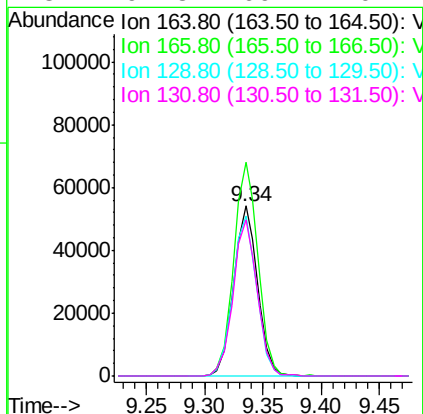
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

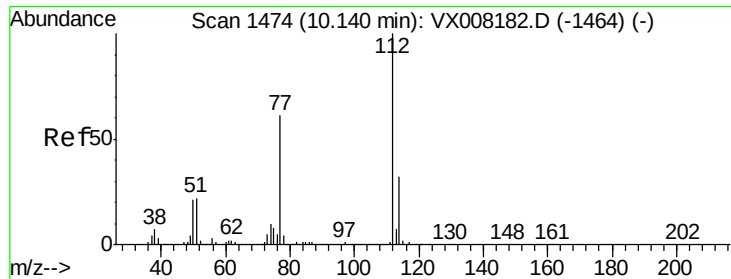
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	44.3	66.5
119	31.6	25.3	37.9



#64
Tetrachloroethene
Concen: 21.004 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.4	155.0
129	94.0	72.2	108.4
131	91.8	69.4	104.2

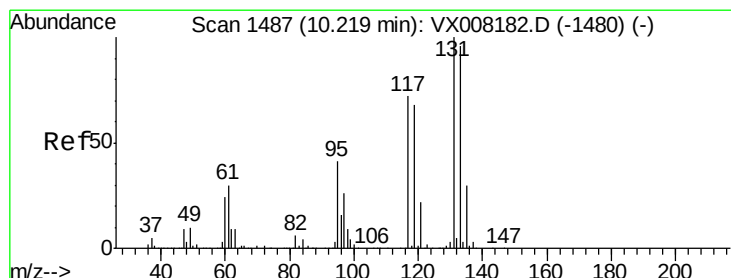
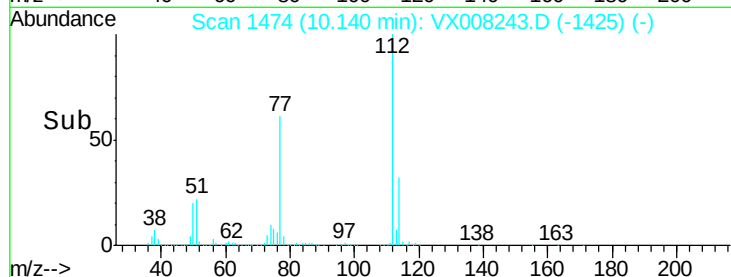
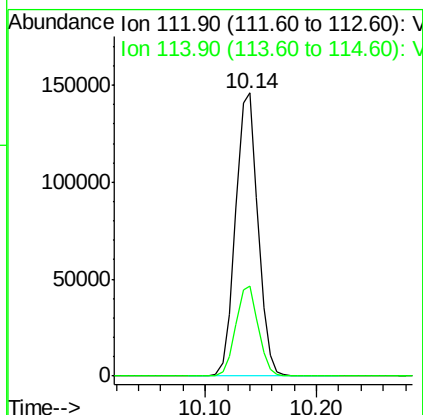
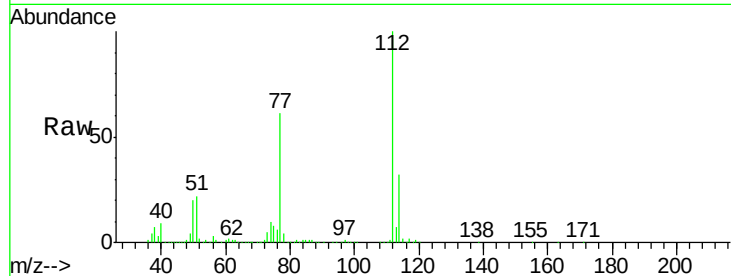




#65
Chlorobenzene
Concen: 20.268 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

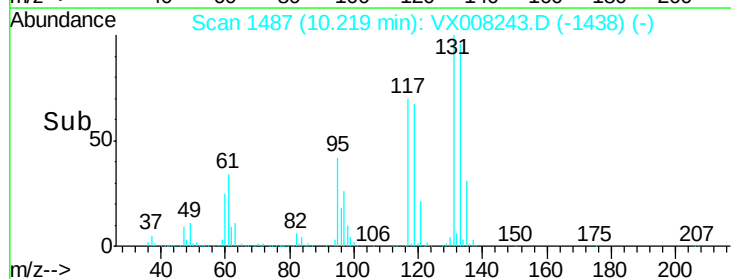
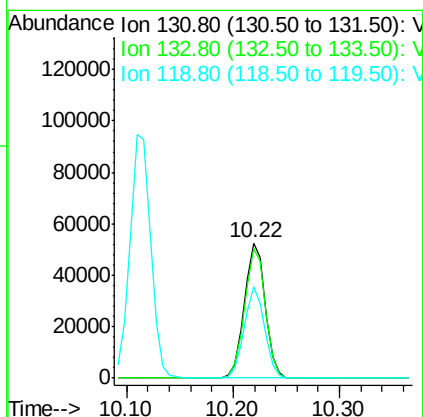
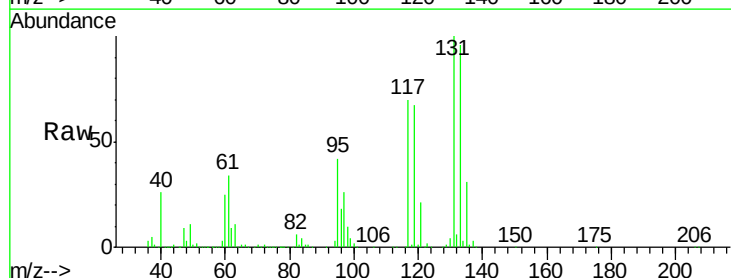
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

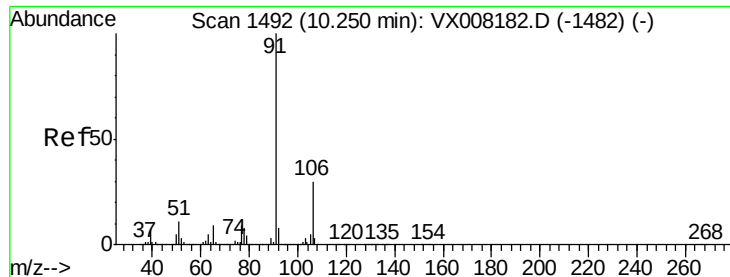
Tot Ion:112 Resp: 203553
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.645 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion:131 Resp: 72291
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 66.4 32.5 97.5





#67

Ethyl Benzene

Concen: 20.323 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

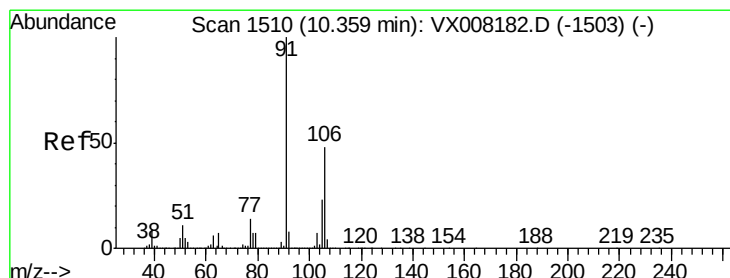
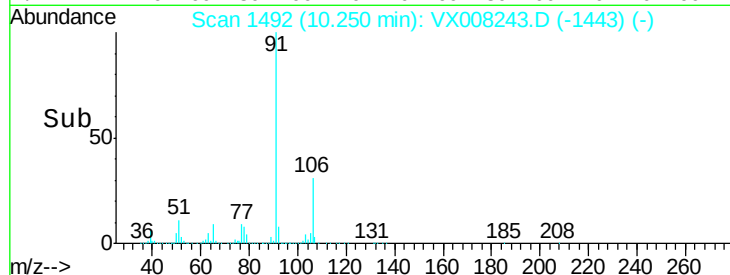
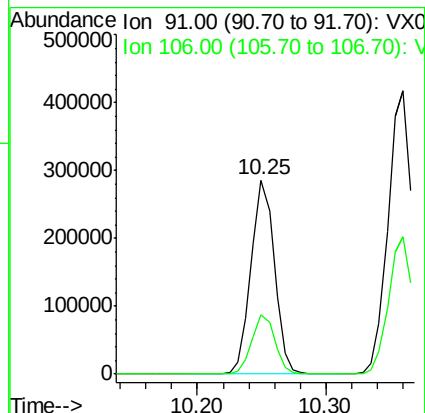
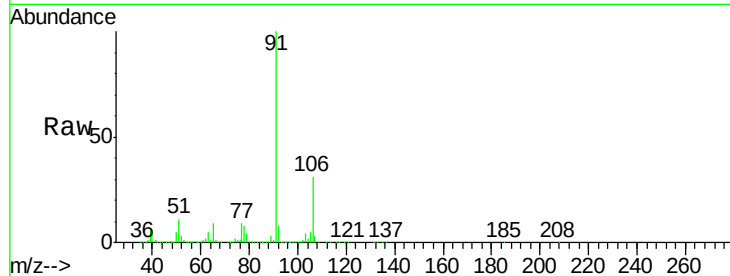
VX0320WBSD01

Tot Ion: 91 Resp: 359692

Ion Ratio Lower Upper

91 100

106 30.5 25.2 37.8



#68

m/p-Xylenes

Concen: 40.958 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008243.D

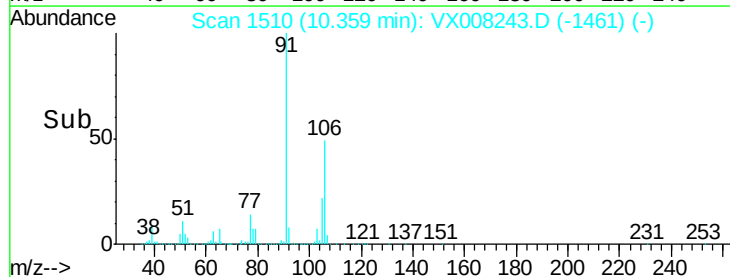
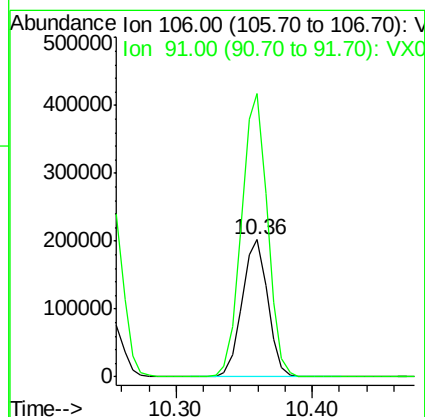
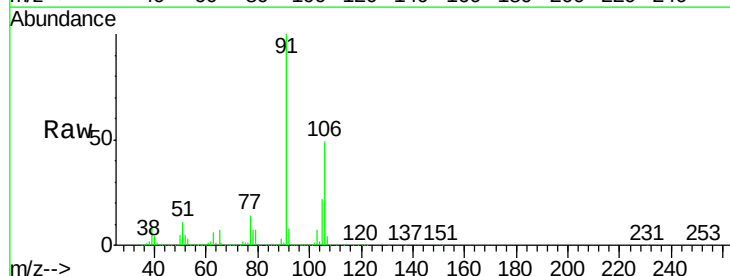
Acq: 20 Mar 2019 15:40

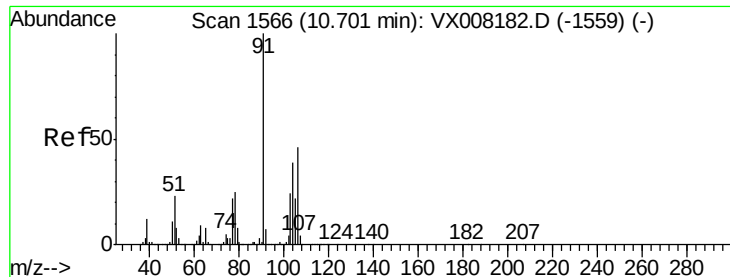
Tgt Ion: 106 Resp: 266283

Ion Ratio Lower Upper

106 100

91 208.5 159.8 239.6

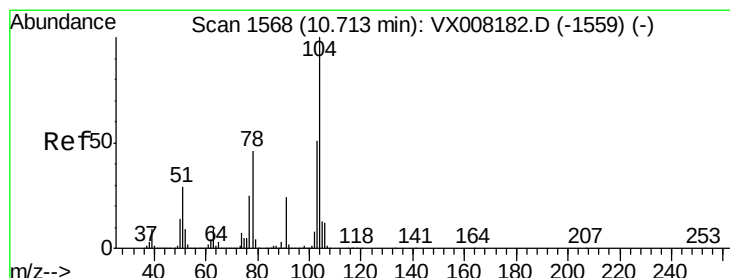
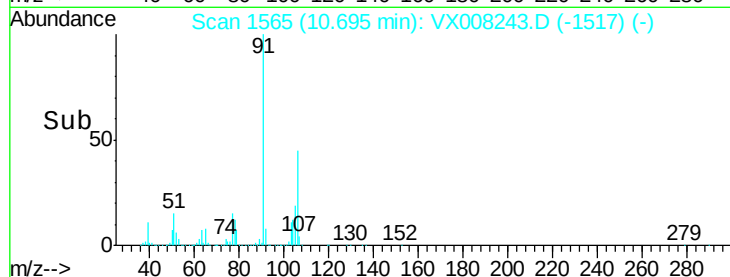
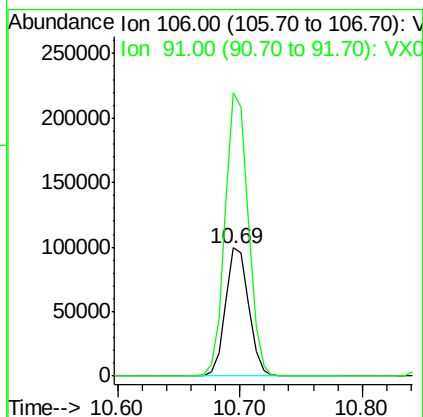
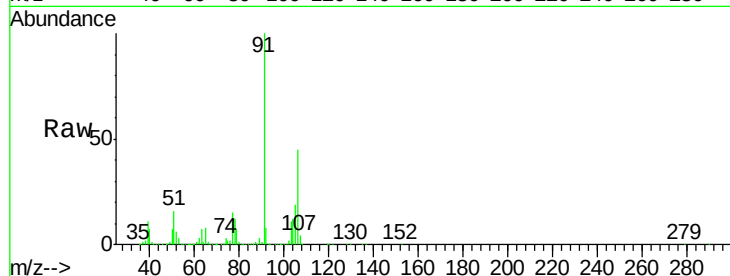




#69
o-Xylene
Concen: 20.625 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

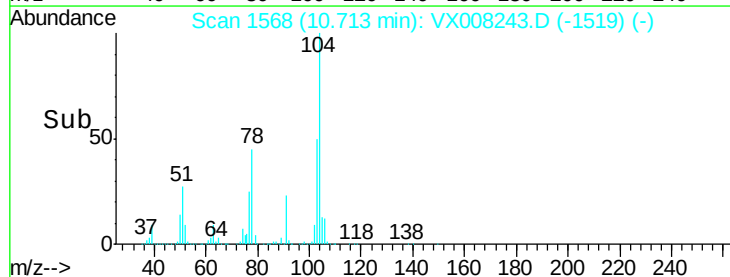
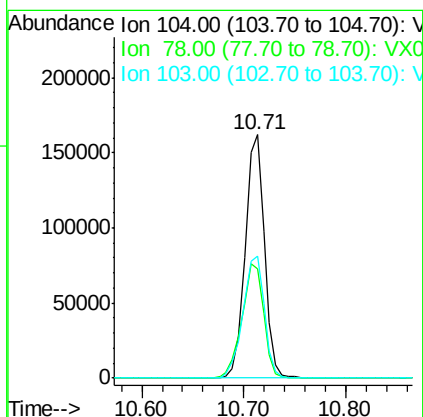
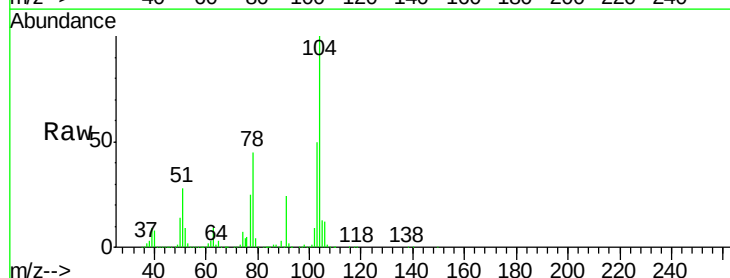
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

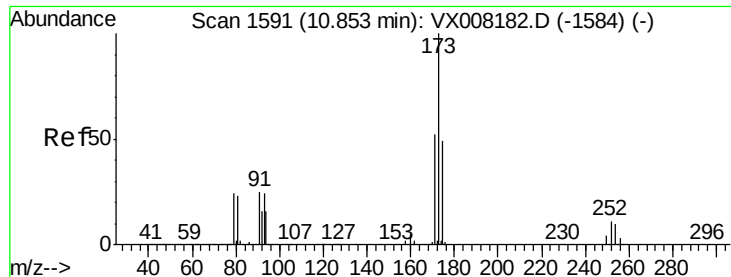
Tot Ion:106 Resp: 130298
Ion Ratio Lower Upper
106 100
91 219.9 106.3 318.9



#70
Styrene
Concen: 20.561 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion:104 Resp: 211095
Ion Ratio Lower Upper
104 100
78 53.0 38.5 57.7
103 56.3 44.1 66.1





#71

Bromoform

Concen: 19.665 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

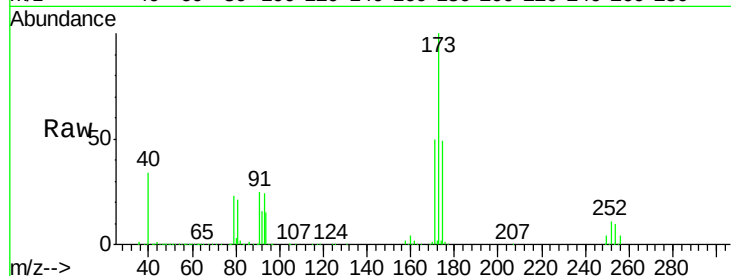
Tot Ion:173 Resp: 55116

Ion Ratio Lower Upper

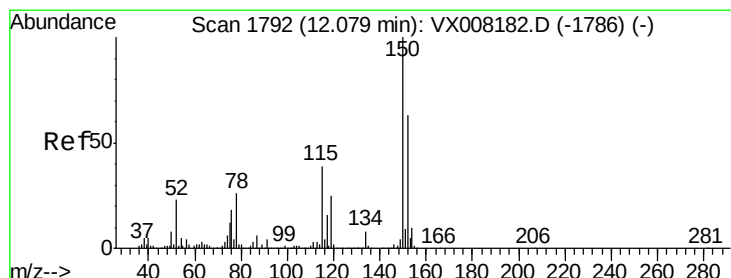
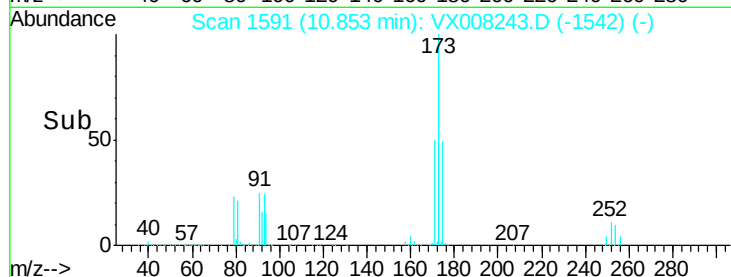
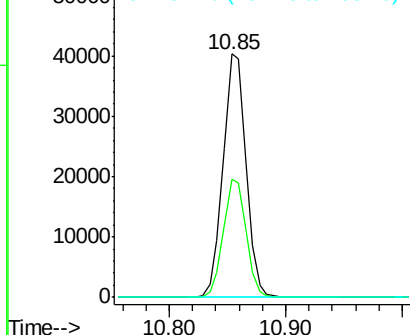
173 100

175 47.9 24.3 72.9

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

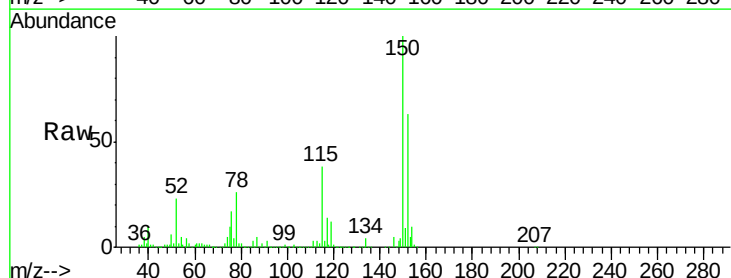
Tgt Ion:152 Resp: 187406

Ion Ratio Lower Upper

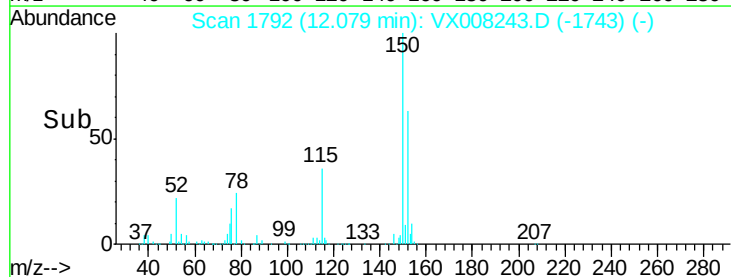
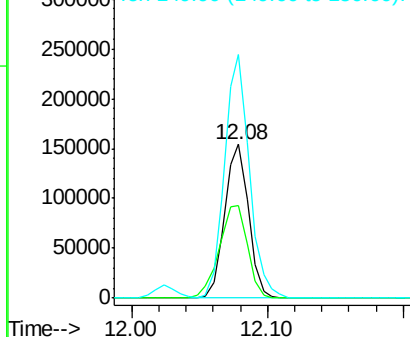
152 100

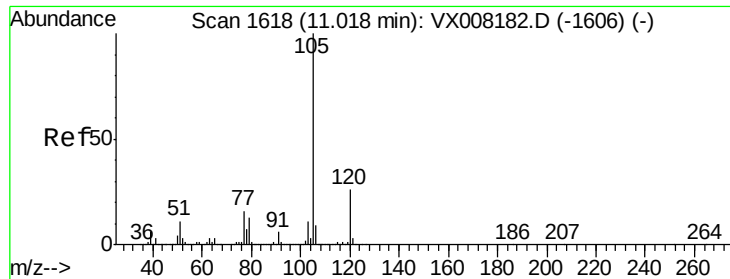
115 71.6 38.6 115.7

150 164.1 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.664 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

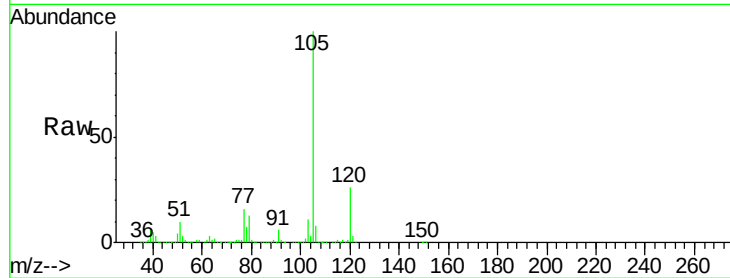
VX0320WBSD01

Tot Ion:105 Resp: 345178

Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

250000

200000

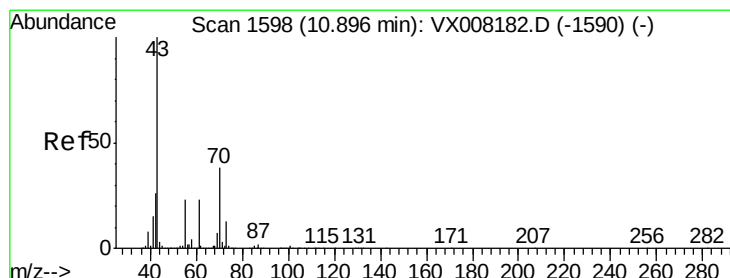
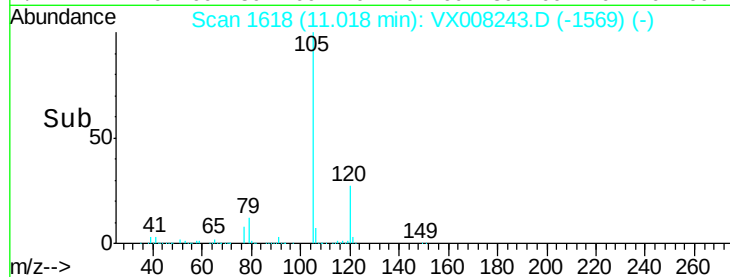
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.505 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion: 43 Resp: 179459

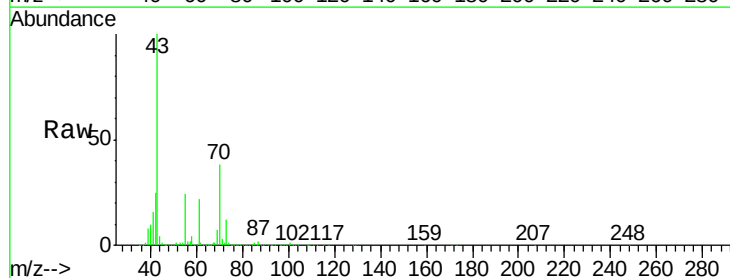
Ion Ratio Lower Upper

43 100

70 38.9 33.5 50.3

55 24.4 19.2 28.8

61 22.2 19.0 28.6



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

10.90

250000

200000

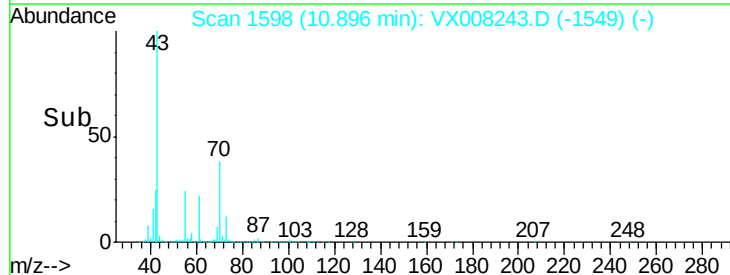
150000

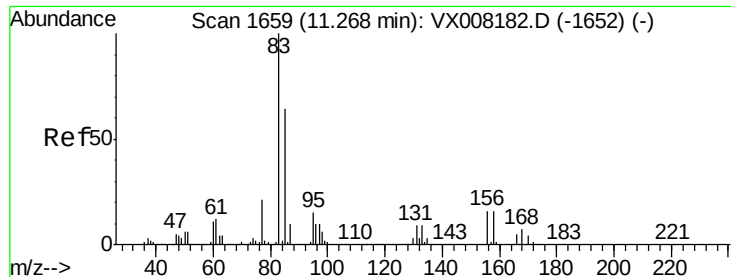
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.763 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

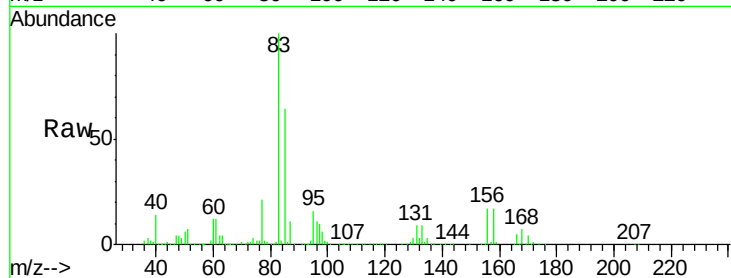
Tot Ion: 83 Resp: 124370

Ion Ratio Lower Upper

83 100

131 9.5 5.4 16.2

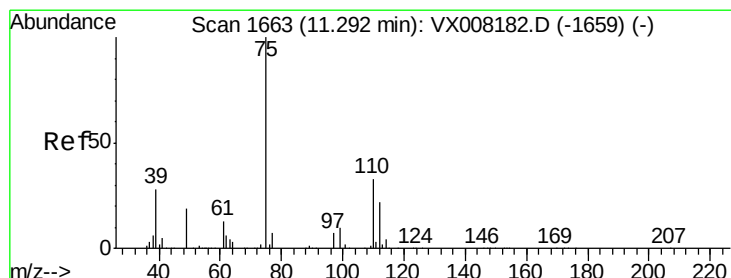
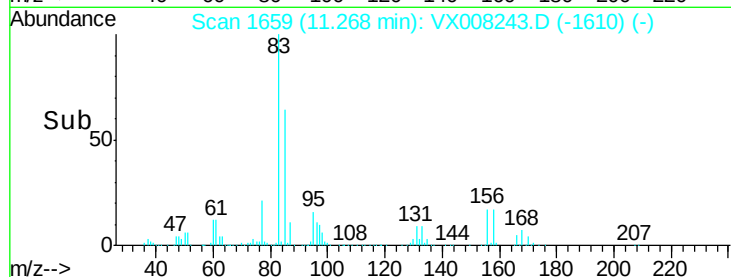
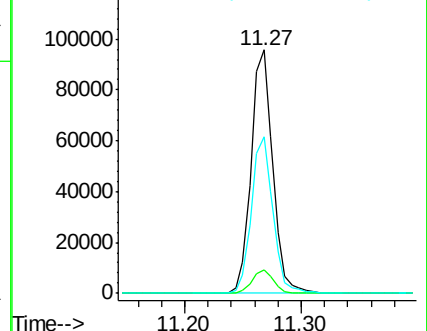
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.921 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008243.D

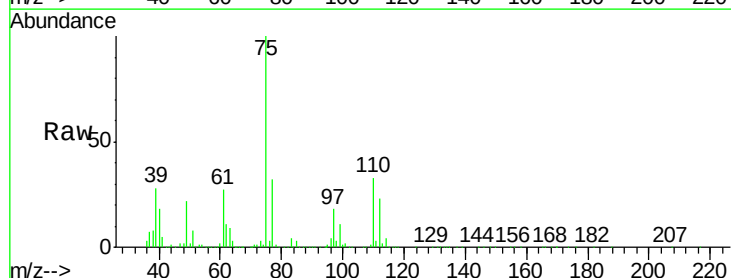
Acq: 20 Mar 2019 15:40

Tgt Ion: 75 Resp: 147174

Ion Ratio Lower Upper

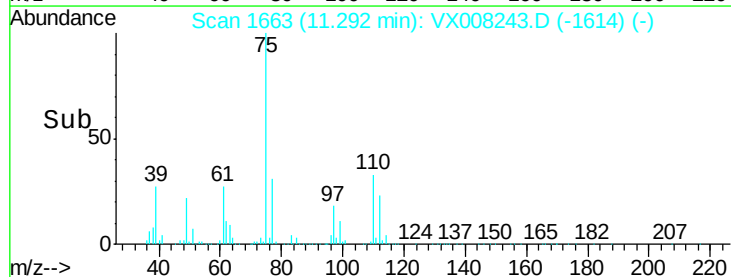
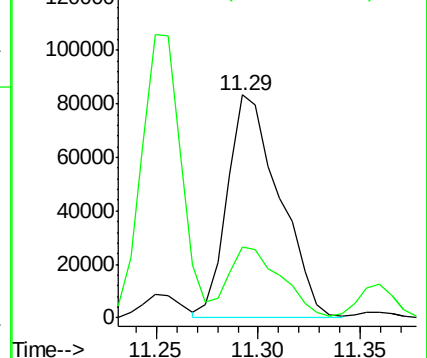
75 100

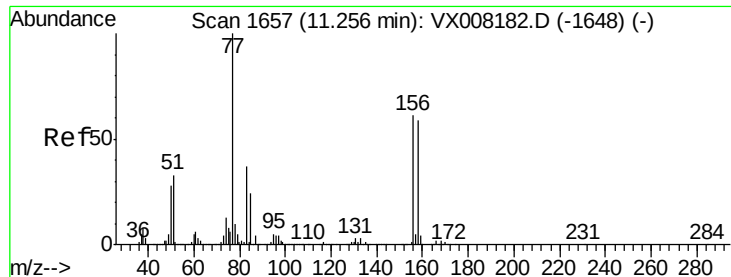
77 32.1 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.710 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

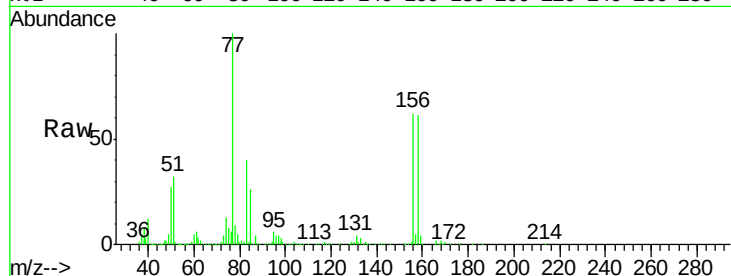
Tot Ion:156 Resp: 83644

Ion Ratio Lower Upper

156 100

77 170.0 72.0 215.9

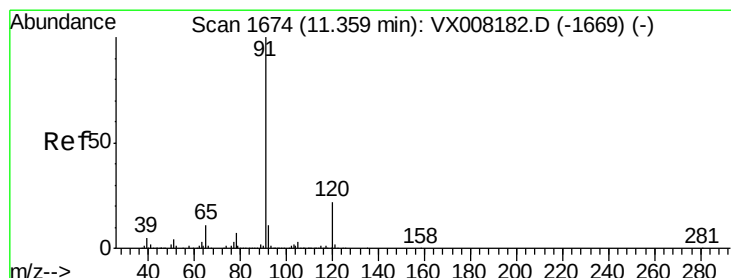
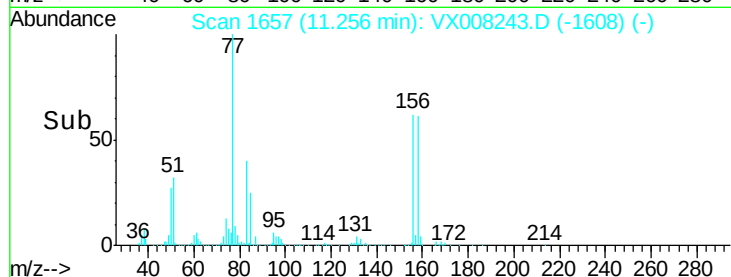
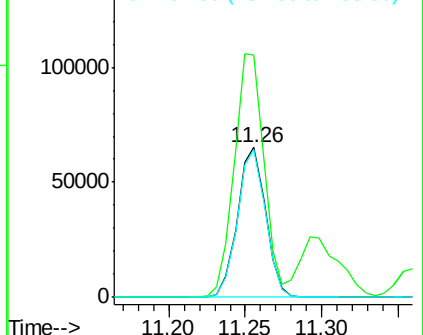
158 97.6 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.447 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008243.D

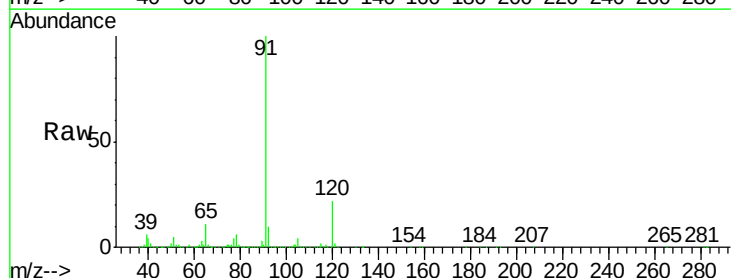
Acq: 20 Mar 2019 15:40

Tgt Ion: 91 Resp: 396709

Ion Ratio Lower Upper

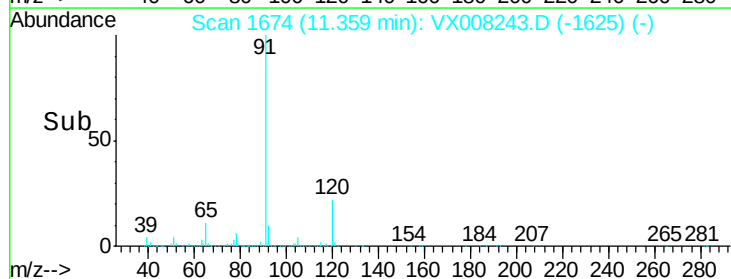
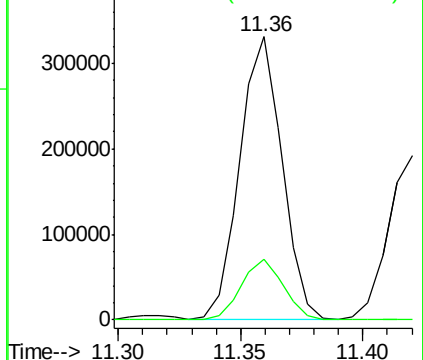
91 100

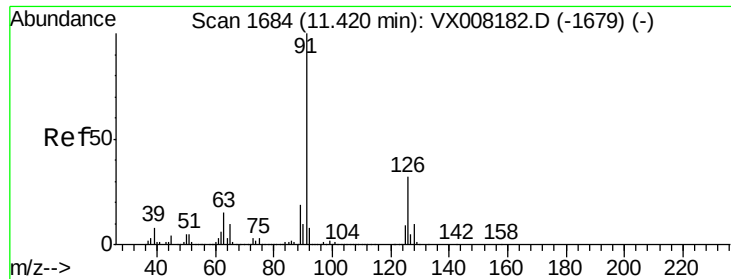
120 21.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.527 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

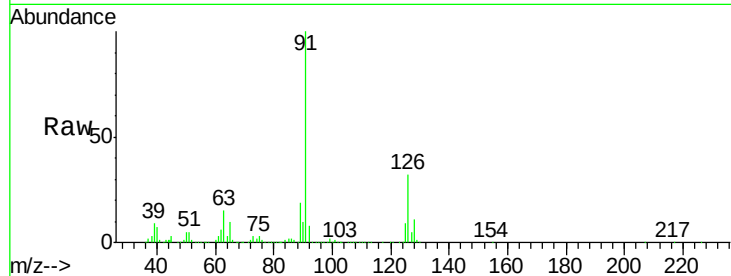
VX0320WBSD01

Tot Ion: 91 Resp: 239039

Ion Ratio Lower Upper

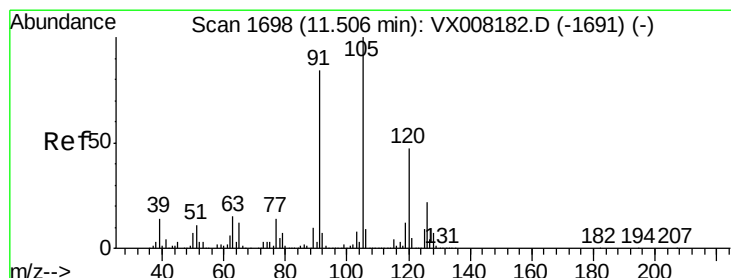
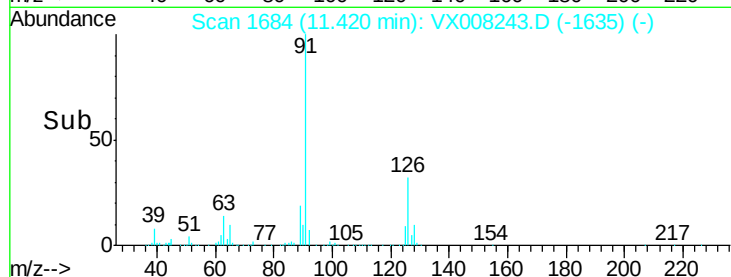
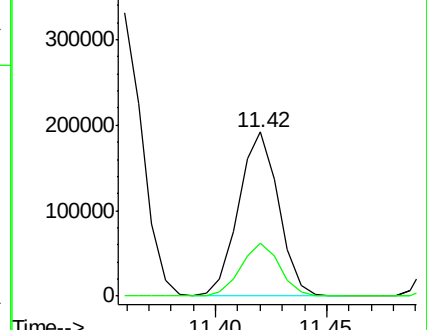
91 100

126 31.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.436 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008243.D

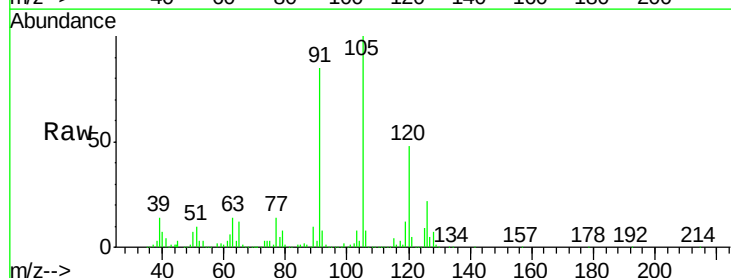
Acq: 20 Mar 2019 15:40

Tgt Ion: 105 Resp: 282035

Ion Ratio Lower Upper

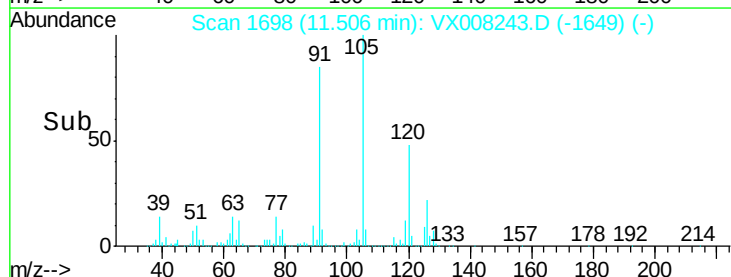
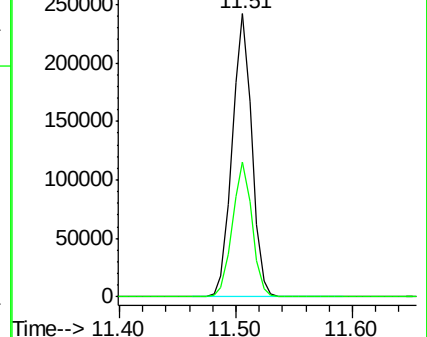
105 100

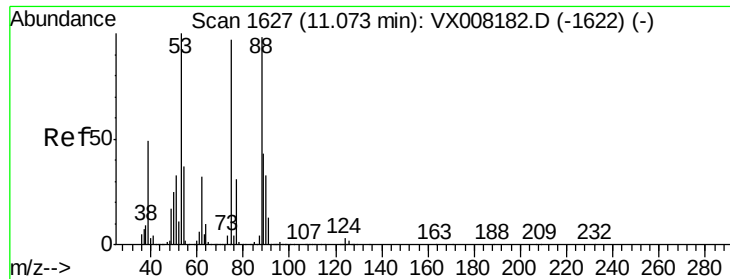
120 47.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

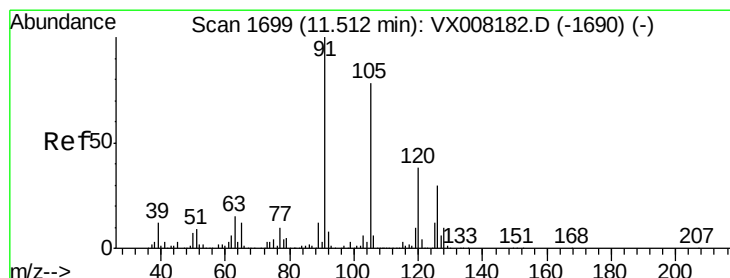
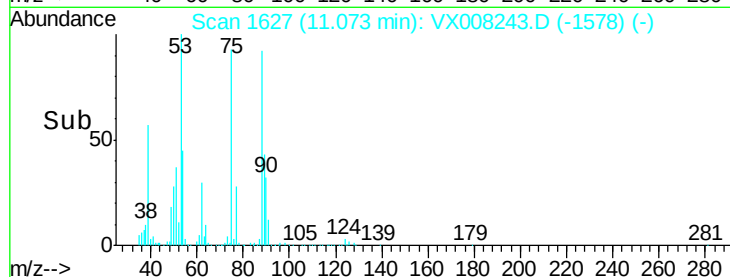
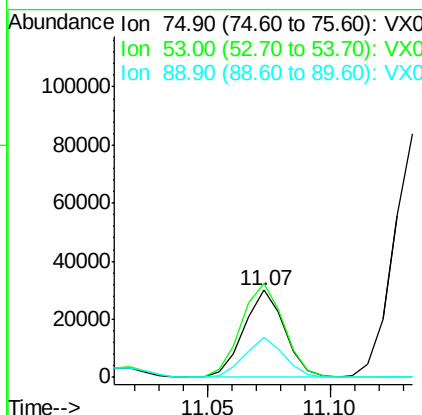
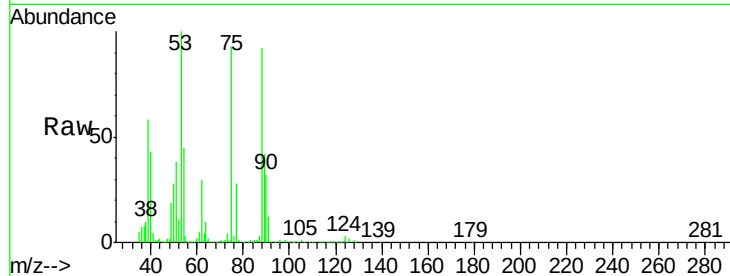




#81
trans-1,4-Dichloro-2-butene
Concen: 17.725 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

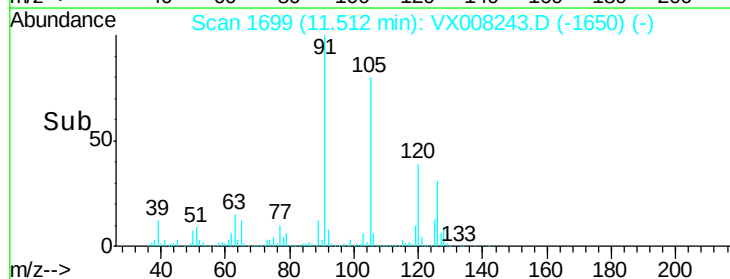
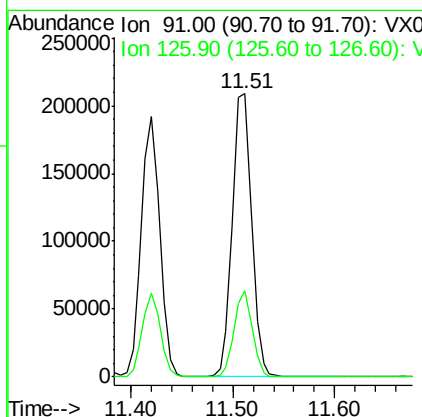
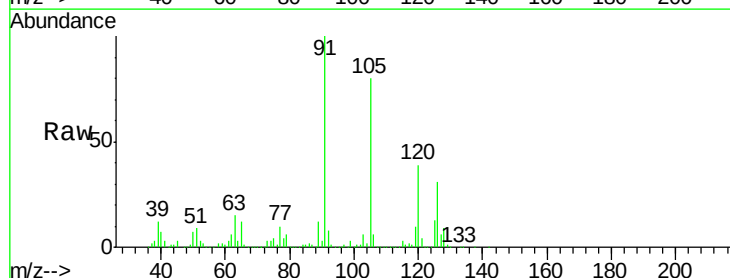
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

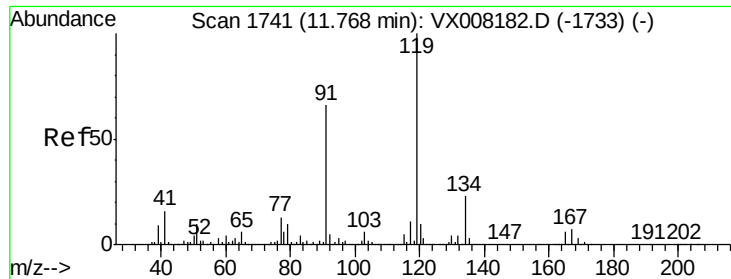
Tot Ion: 75 Resp: 34674
Ion Ratio Lower Upper
75 100
53 113.0 76.1 114.1
89 45.1 36.3 54.5



#82
4-Chlorotoluene
Concen: 20.074 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 91 Resp: 272024
Ion Ratio Lower Upper
91 100
126 28.7 15.6 46.8





#83

tert-Butylbenzene

Concen: 20.400 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

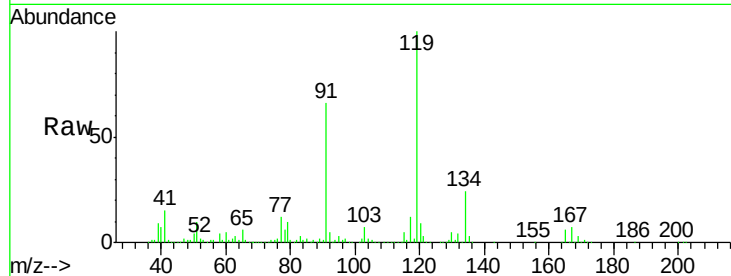
Tot Ion:119 Resp: 268789

Ion Ratio Lower Upper

119 100

91 62.1 27.1 81.3

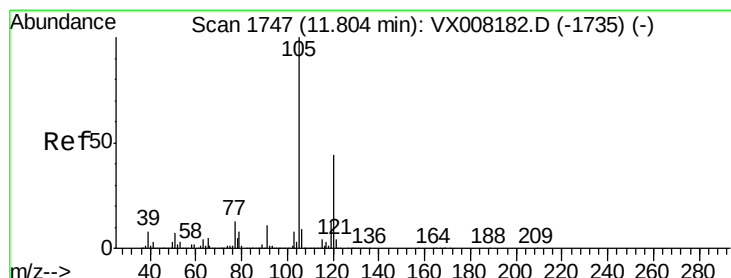
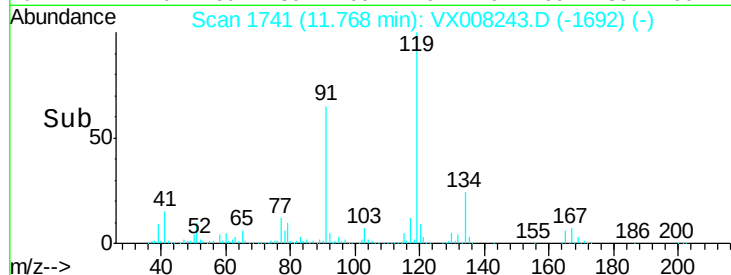
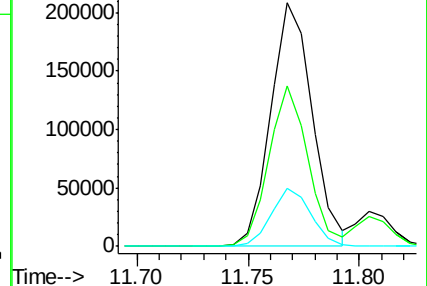
134 23.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.769 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008243.D

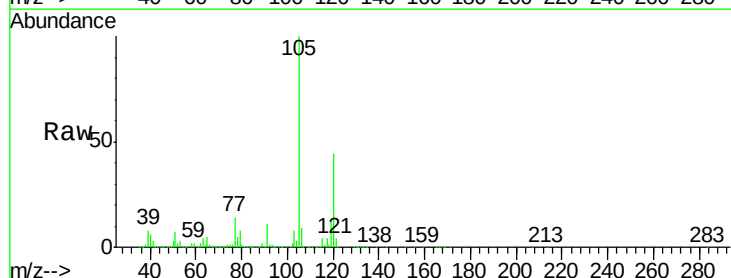
Acq: 20 Mar 2019 15:40

Tgt Ion:105 Resp: 290577

Ion Ratio Lower Upper

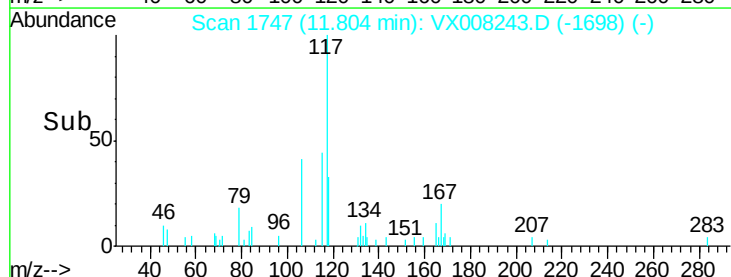
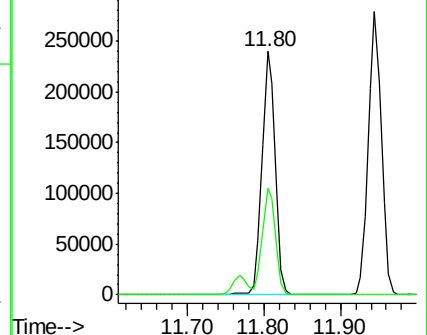
105 100

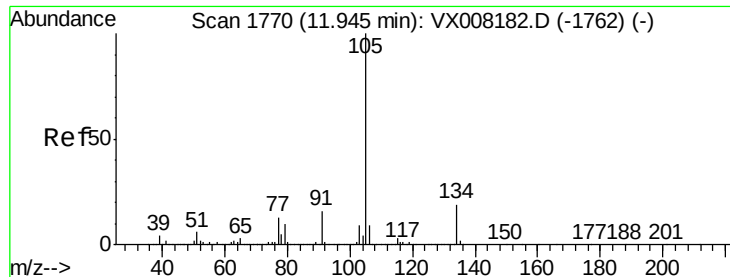
120 43.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.309 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

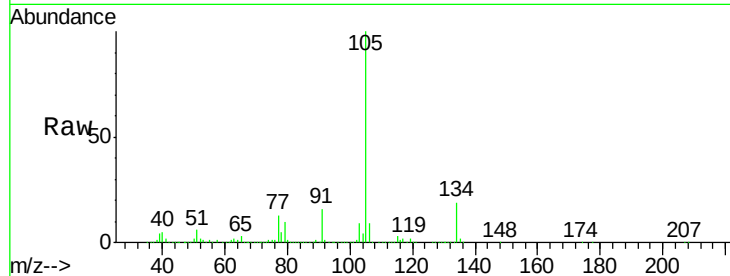
VX0320WBSD01

Tot Ion:105 Resp: 331373

Ion Ratio Lower Upper

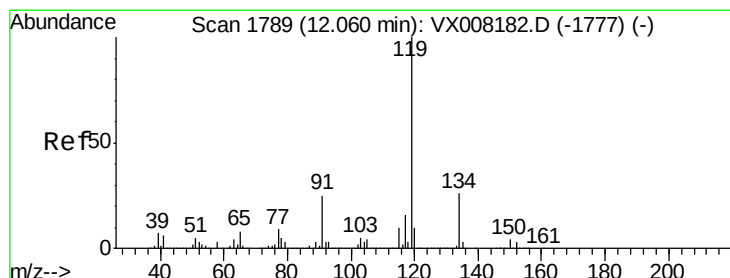
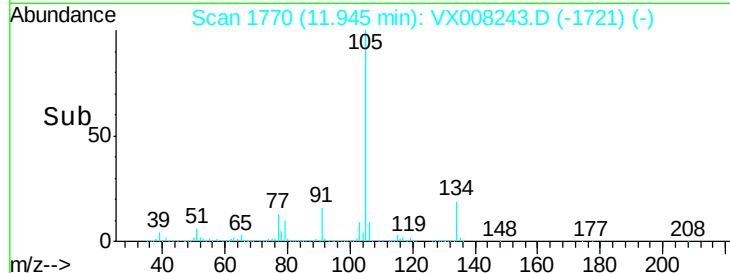
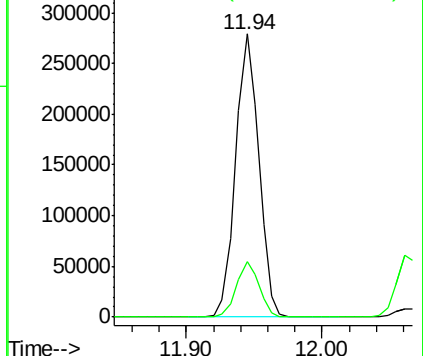
105 100

134 19.3 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.139 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

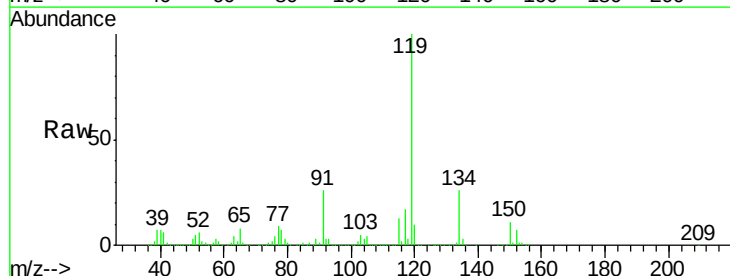
Tgt Ion:119 Resp: 284438

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

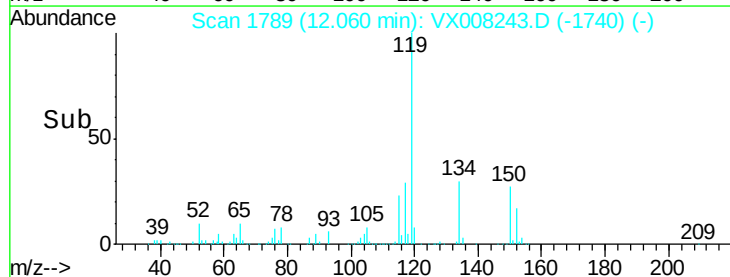
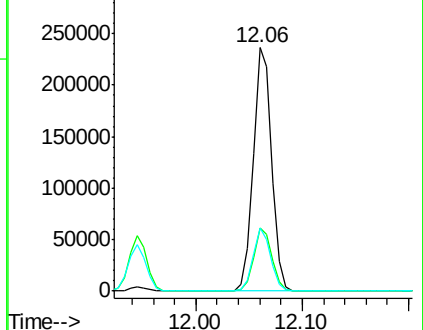
91 24.7 10.9 32.7

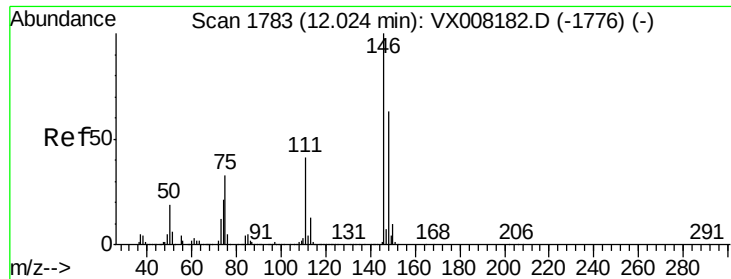


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.939 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

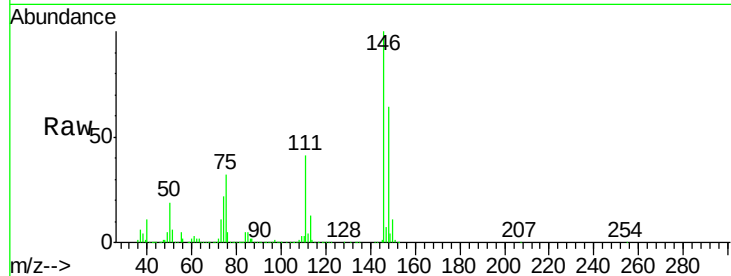
Tot Ion:146 Resp: 143916

Ion Ratio Lower Upper

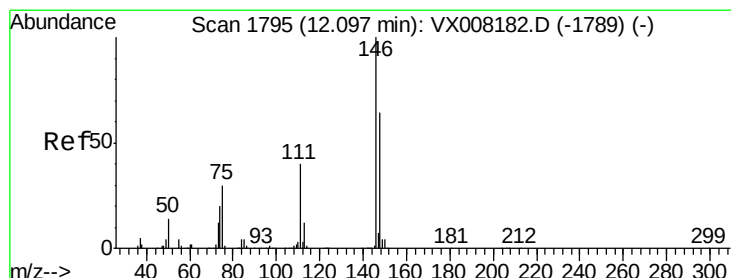
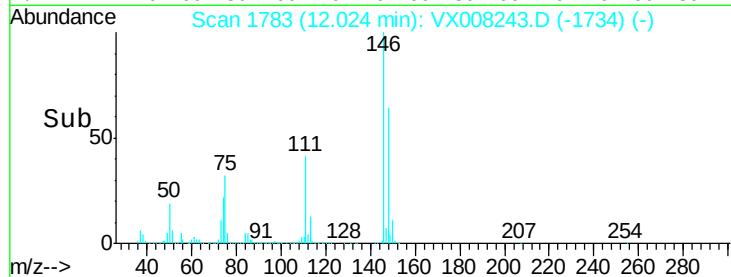
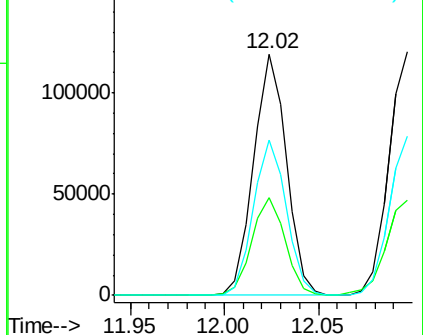
146 100

111 41.4 18.9 56.7

148 64.8 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 19.473 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

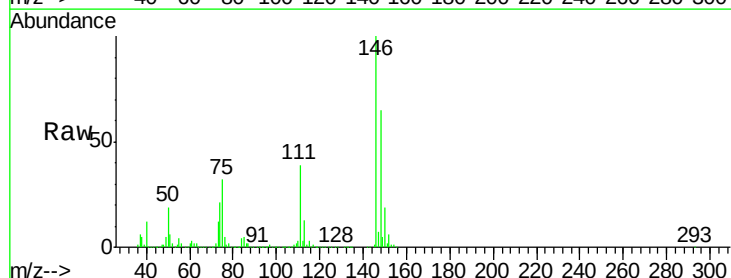
Tgt Ion:146 Resp: 145386

Ion Ratio Lower Upper

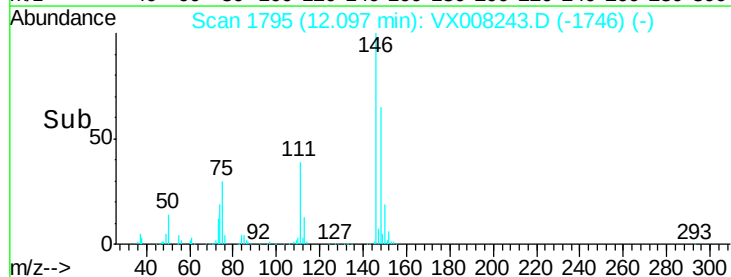
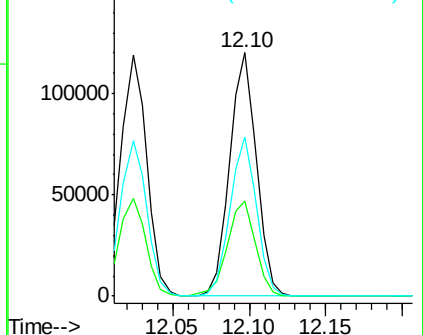
146 100

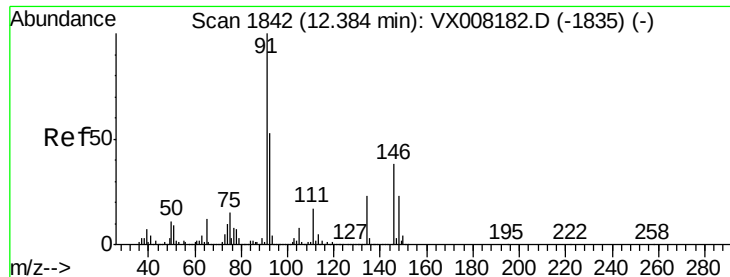
111 40.7 18.4 55.0

148 64.5 32.2 96.6



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

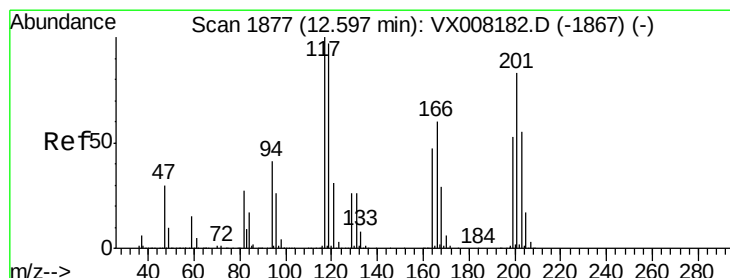
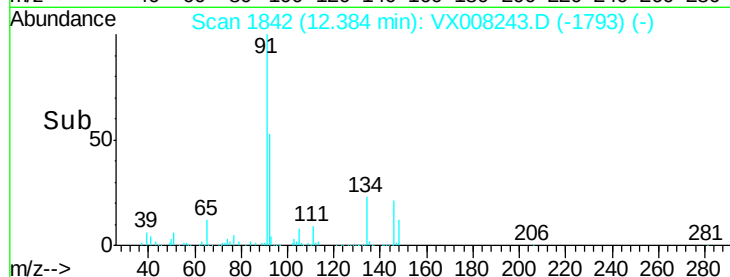
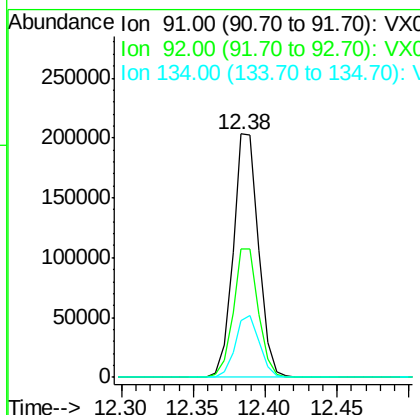
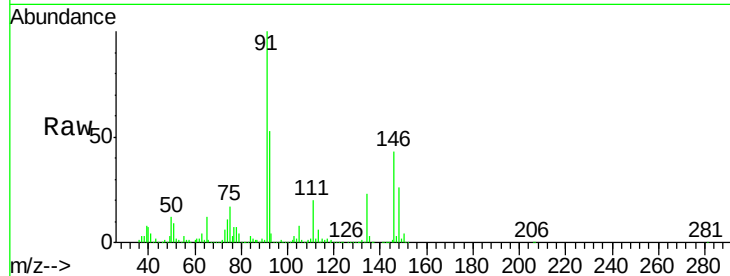




#89
n-Butylbenzene
Concen: 18.898 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

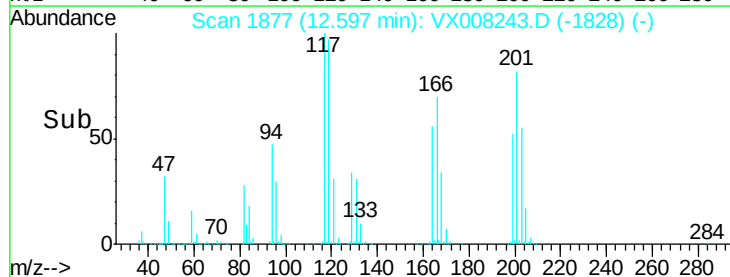
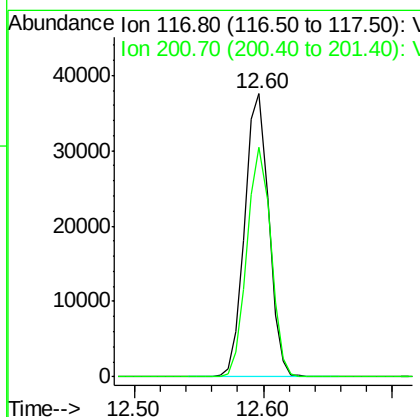
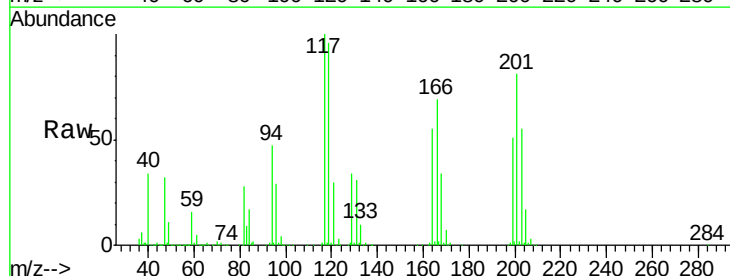
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

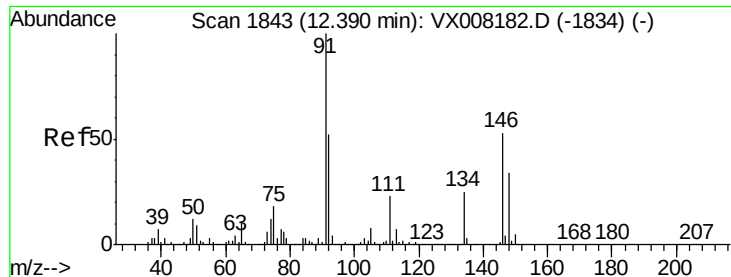
Tot Ion: 91 Resp: 250520
Ion Ratio Lower Upper
91 100
92 52.4 27.0 80.8
134 24.3 13.7 41.0



#90
Hexachloroethane
Concen: 20.083 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 117 Resp: 48307
Ion Ratio Lower Upper
117 100
201 80.4 48.9 146.7

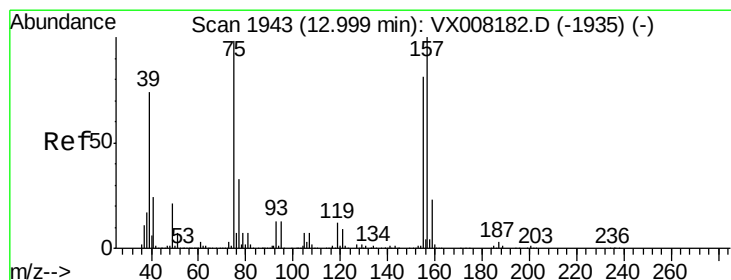
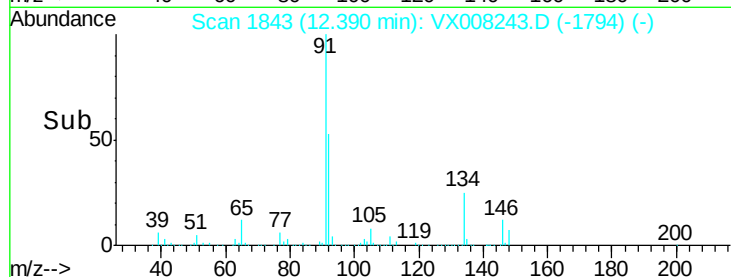
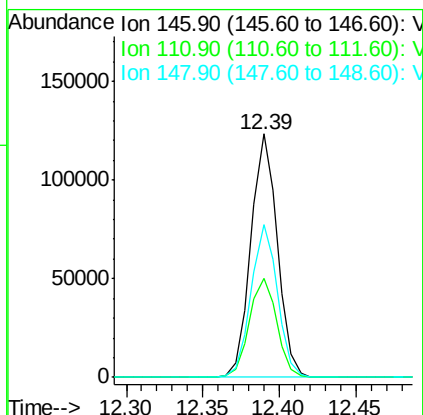
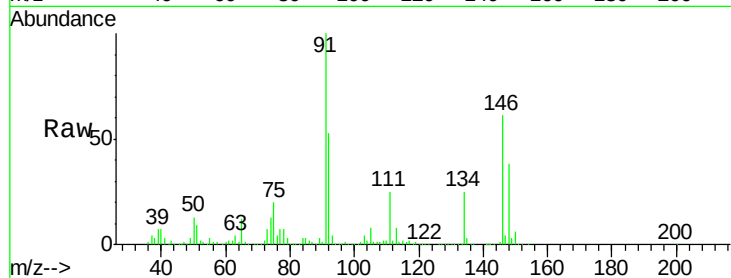




#91
 1,2-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

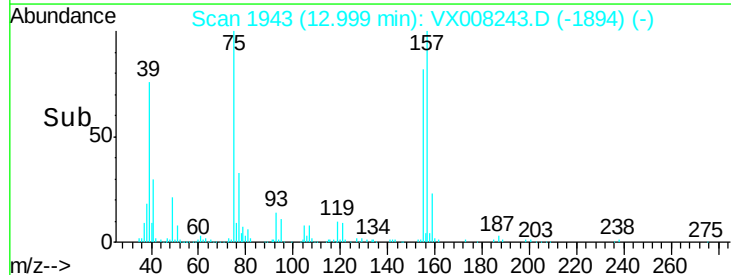
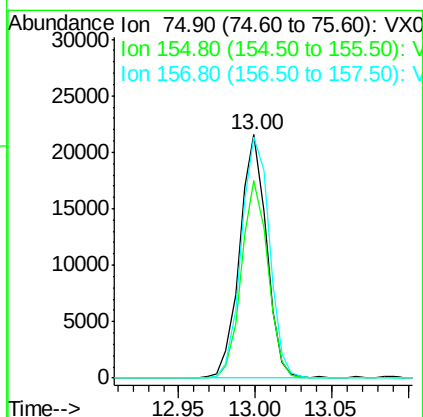
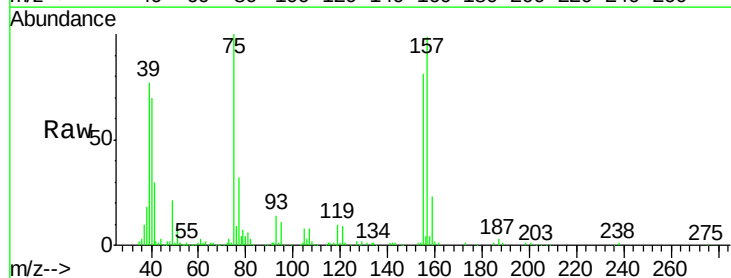
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

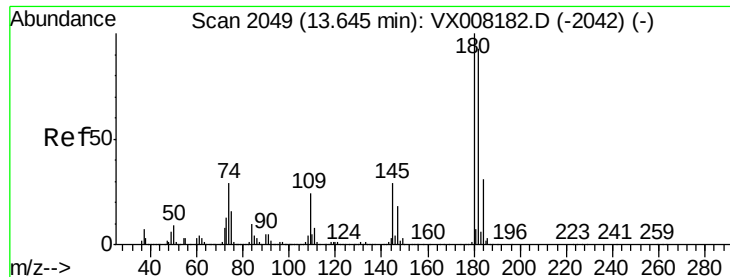
Tot Ion:146 Resp: 148527
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.6 58.8
 148 62.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.734 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion: 75 Resp: 26254
 Ion Ratio Lower Upper
 75 100
 155 80.2 49.7 149.1
 157 104.3 63.8 191.4

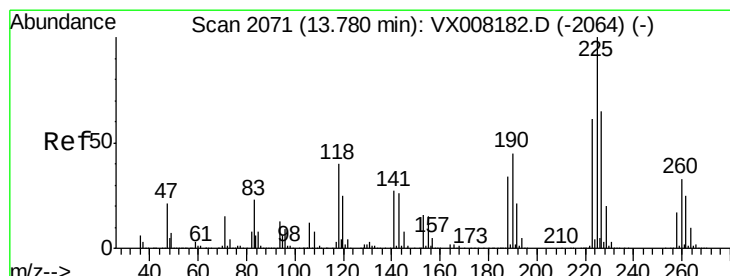
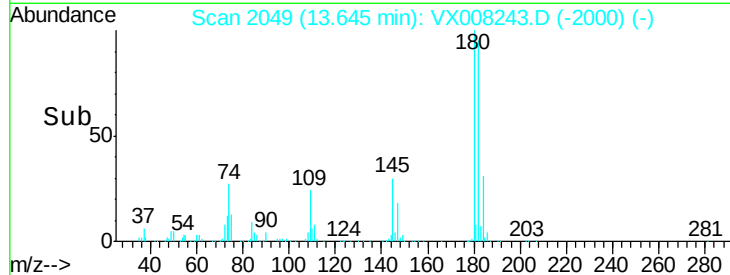
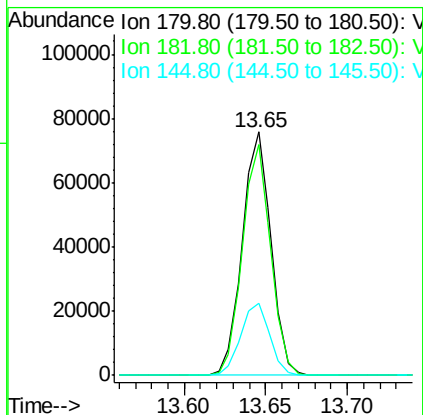
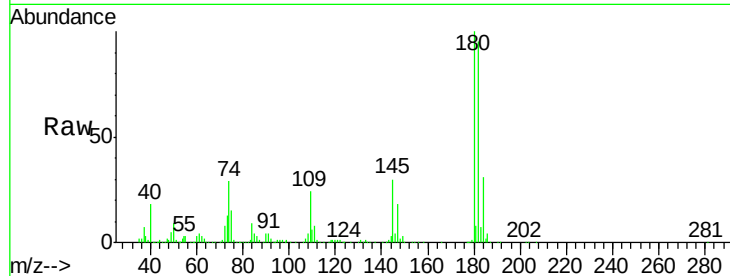




#93
 1,2,4-Trichlorobenzene
 Concen: 19.372 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

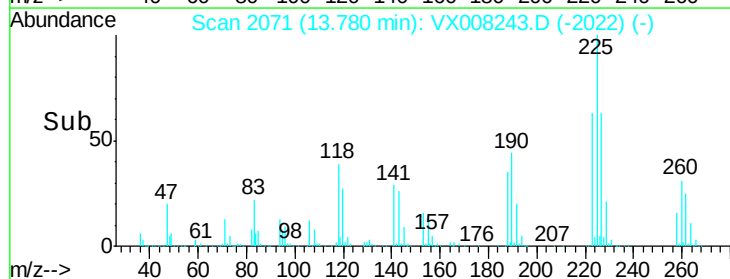
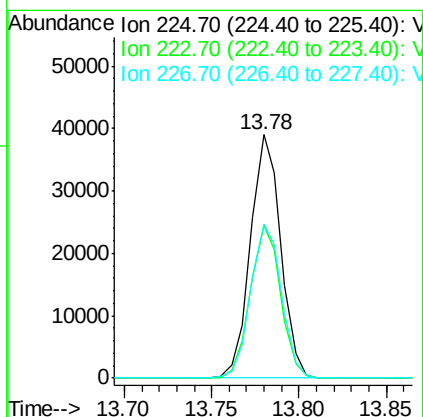
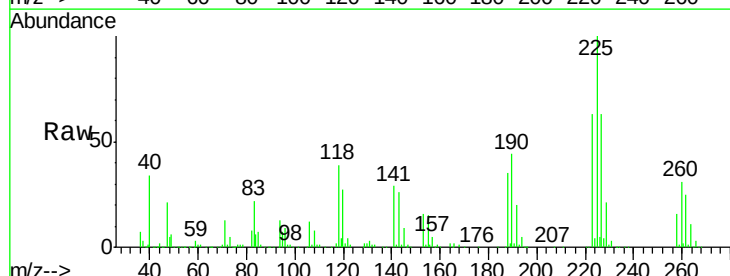
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

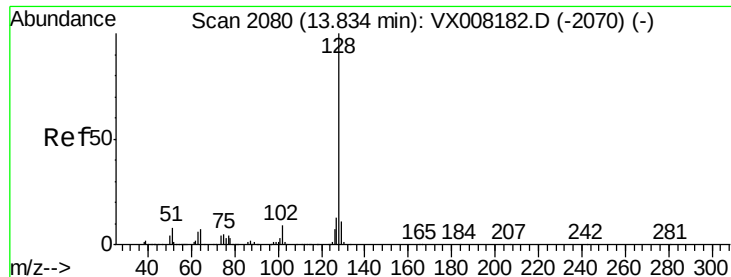
Tot Ion:180 Resp: 92866
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.9 143.7
 145 30.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 19.949 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion:225 Resp: 46641
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.2
 227 64.7 32.0 96.0





#95

Naphthalene

Concen: 20.316 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

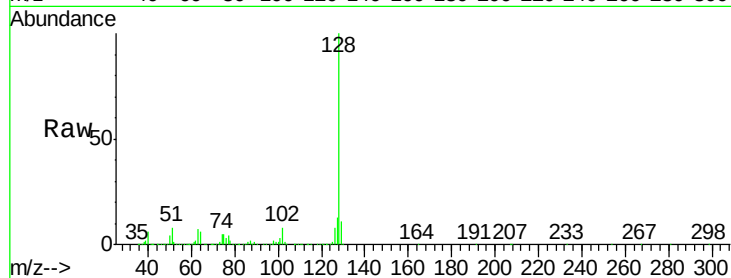
Tot Ion:128 Resp: 307392

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

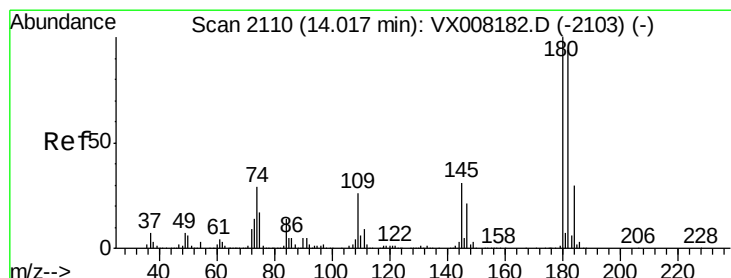
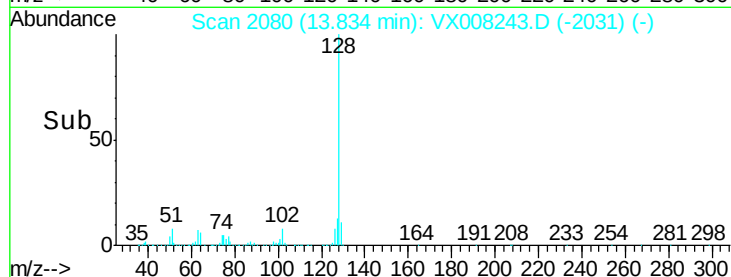
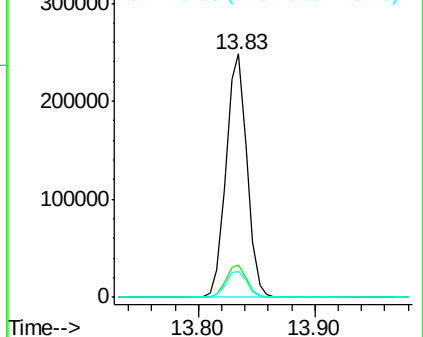
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.125 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

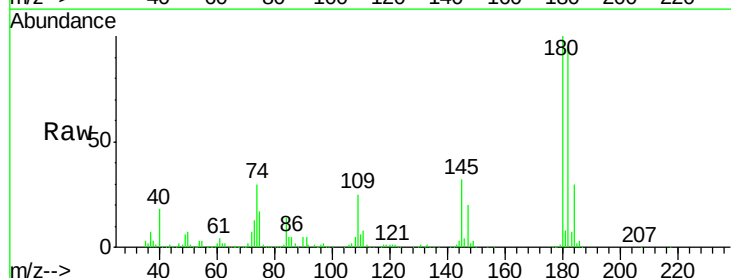
Tgt Ion:180 Resp: 94928

Ion Ratio Lower Upper

180 100

182 94.8 47.5 142.5

145 31.9 14.8 44.3



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

