

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
 Data File : VX006887.D
 Acq On : 03 Jan 2019 11:52
 Operator : JC/MD
 Sample : VX0103WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0103WBS01

Quant Time: Jan 04 00:18:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	549736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	819302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	723140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	363958	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	287967	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	5.51	113	259472	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.71	98	954021	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	335608	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	77494	15.409	ug/l 98
3) Chloromethane	1.33	50	86756	16.012	ug/l 99
4) Vinyl Chloride	1.41	62	95641	16.901	ug/l 100
5) Bromomethane	1.64	94	98355	17.375	ug/l 100
6) Chloroethane	1.71	64	66195	16.894	ug/l 99
7) Trichlorofluoromethane	1.93	101	159872	18.121	ug/l 97
8) Diethyl Ether	2.19	74	65834	18.787	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	97654	18.852	ug/l 98
10) Methyl Iodide	2.51	142	133921	18.061	ug/l 99
11) Tert butyl alcohol	3.08	59	134929	102.044	ug/l 99
12) 1,1-Dichloroethene	2.37	96	85364	17.380	ug/l 98
13) Acrolein	2.29	56	71975	80.689	ug/l 97
14) Allyl chloride	2.73	41	159407	19.281	ug/l 98
15) Acrylonitrile	3.15	53	296103	100.859	ug/l 99
16) Acetone	2.45	43	265234	97.439	ug/l 99
17) Carbon Disulfide	2.57	76	180257	13.868	ug/l 98
18) Methyl Acetate	2.78	43	177923	22.229	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	332260	20.381	ug/l 99
20) Methylene Chloride	2.85	84	104902	18.637	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	92794	17.051	ug/l 99
22) Diisopropyl ether	3.87	45	312736	20.677	ug/l 95
23) Vinyl Acetate	3.82	43	1226083	99.103	ug/l 98
24) 1,1-Dichloroethane	3.70	63	170041	18.833	ug/l 97
25) 2-Butanone	4.70	43	378669	98.898	ug/l 98
26) 2,2-Dichloropropane	4.59	77	129232	18.529	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	113592	18.918	ug/l 99
28) Bromochloromethane	5.02	49	78103	19.386	ug/l 99
29) Tetrahydrofuran	5.15	42	251468	99.716	ug/l 98
30) Chloroform	5.22	83	178411	19.081	ug/l 98
31) Cyclohexane	5.57	56	137234	16.731	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	149408	18.924	ug/l 98
36) 1,1-Dichloropropene	5.80	75	120407	17.744	ug/l 100
37) Ethyl Acetate	4.85	43	144584	20.472	ug/l 99
38) Carbon Tetrachloride	5.77	117	124245	18.840	ug/l 96

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0103WBS01

Quant Time: Jan 04 00:18:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148702	16.645	ug/l	97
40) Benzene	6.14	78	394591	19.130	ug/l	100
41) Methacrylonitrile	5.06	41	80922	21.581	ug/l	98
42) 1,2-Dichloroethane	6.20	62	135739	19.313	ug/l	100
43) Isopropyl Acetate	6.46	43	228380	21.252	ug/l	99
44) Trichloroethene	7.21	130	114307	18.310	ug/l	100
45) 1,2-Dichloropropane	7.52	63	101643	20.250	ug/l	96
46) Dibromomethane	7.66	93	71607	19.395	ug/l	98
47) Bromodichloromethane	7.90	83	119026	19.418	ug/l	100
48) Methyl methacrylate	7.77	41	115119	21.066	ug/l	97
49) 1,4-Dioxane	7.75	88	55377	374.872	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	729957	106.758	ug/l	97
52) Toluene	8.78	92	252936	18.981	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	132880	20.213	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	145991	20.239	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	110011	20.169	ug/l	96
56) Ethyl methacrylate	9.18	69	154982	20.104	ug/l	95
57) 1,3-Dichloropropane	9.37	76	174476	19.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	429065	104.705	ug/l	100
59) 2-Hexanone	9.49	43	537990	102.837	ug/l	100
60) Dibromochloromethane	9.58	129	103820	19.677	ug/l	98
61) 1,2-Dibromoethane	9.67	107	116674	20.123	ug/l	98
64) Tetrachloroethene	9.34	164	117626	20.542	ug/l	98
65) Chlorobenzene	10.14	112	293907	19.211	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	102278	21.428	ug/l	100
67) Ethyl Benzene	10.25	91	472004	18.881	ug/l	100
68) m/p-Xylenes	10.36	106	375620	38.078	ug/l	98
69) o-Xylene	10.69	106	187089	19.206	ug/l	98
70) Styrene	10.71	104	296052	19.211	ug/l	99
71) Bromoform	10.86	173	74483	20.217	ug/l	99
73) Isopropylbenzene	11.02	105	491588	19.743	ug/l	98
74) N-amyl acetate	10.90	43	198226	22.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	157253	21.236	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	171803	25.400	ug/l	91
77) Bromobenzene	11.26	156	134551	19.988	ug/l	98
78) n-propylbenzene	11.36	91	537013	19.585	ug/l	99
79) 2-Chlorotoluene	11.42	91	323259	19.455	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	404755	19.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36863	19.414	ug/l	94
82) 4-Chlorotoluene	11.51	91	372747	19.557	ug/l	100
83) tert-Butylbenzene	11.77	119	401175	19.545	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	414953	19.236	ug/l	100
85) sec-Butylbenzene	11.94	105	483702	19.221	ug/l	100
86) p-Isopropyltoluene	12.06	119	432560	19.554	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	235791	19.435	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	237238	19.075	ug/l	98
89) n-Butylbenzene	12.39	91	357731	19.001	ug/l	99
90) Hexachloroethane	12.60	117	59027	19.219	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	237066	19.534	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31102	20.299	ug/l	96

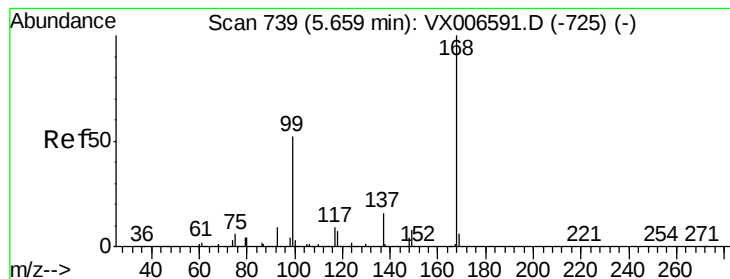
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159322	19.032	ug/l	99
94) Hexachlorobutadiene	13.78	225	69202	17.538	ug/l	99
95) Naphthalene	13.83	128	501351	18.764	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	157492	18.221	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

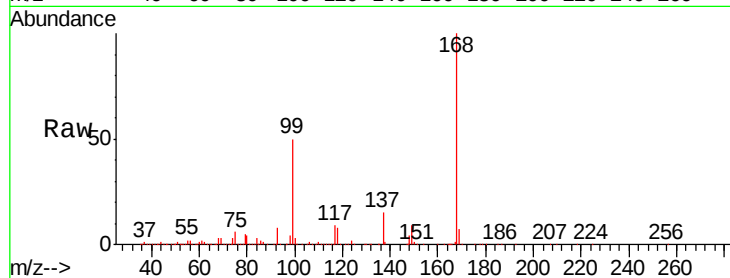
VX0103WBS01

Tgt Ion:168 Resp: 549736

Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

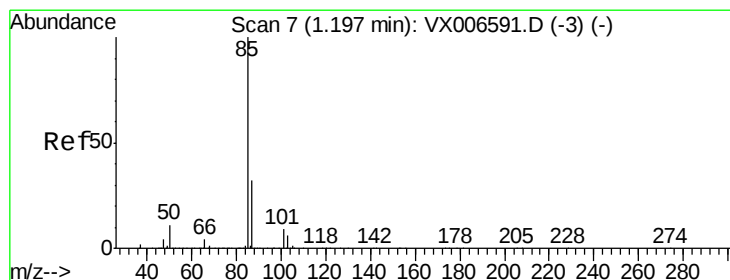
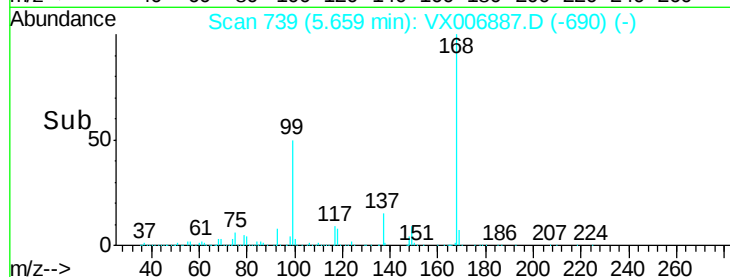
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.409 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006887.D

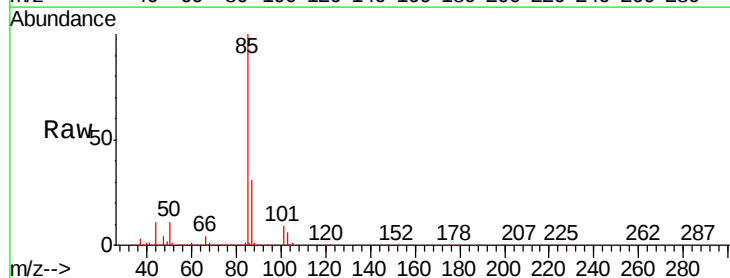
Acq: 03 Jan 2019 11:52

Tgt Ion: 85 Resp: 77494

Ion Ratio Lower Upper

85 100

87 30.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

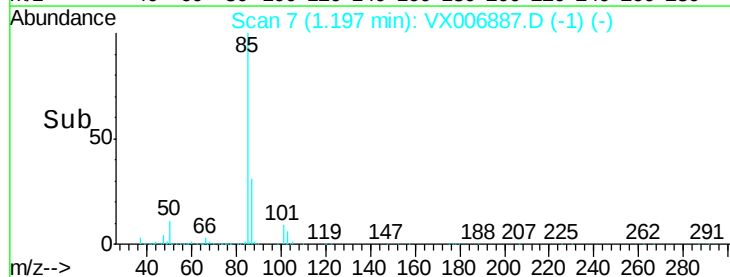
60000

40000

20000

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Time-->





#3

Chloromethane

Concen: 16.012 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

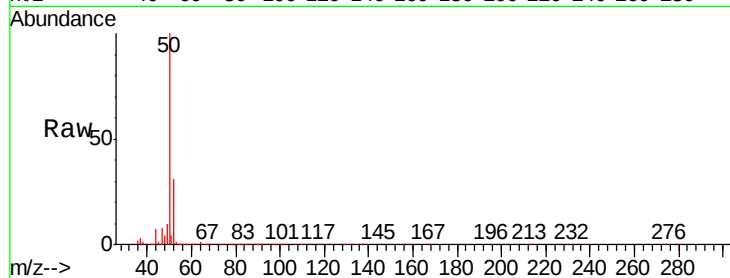
VX0103WBS01

Tgt Ion: 50 Resp: 86756

Ion Ratio Lower Upper

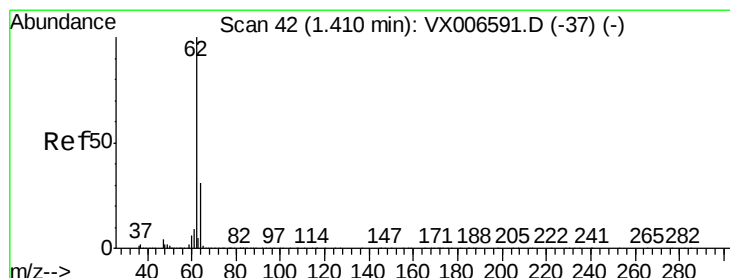
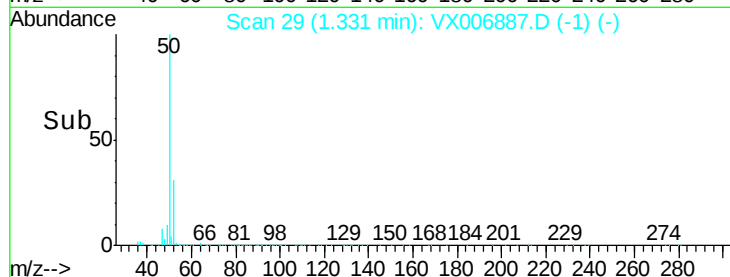
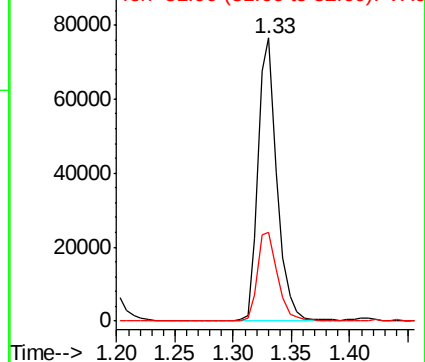
50 100

52 31.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.901 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006887.D

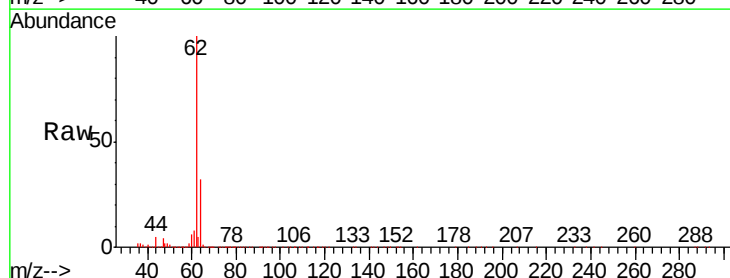
Acq: 03 Jan 2019 11:52

Tgt Ion: 62 Resp: 95641

Ion Ratio Lower Upper

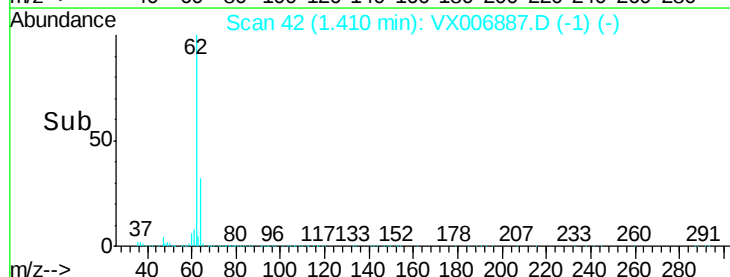
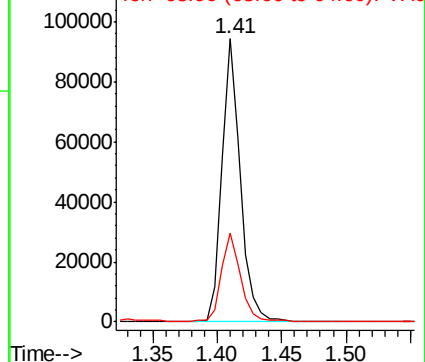
62 100

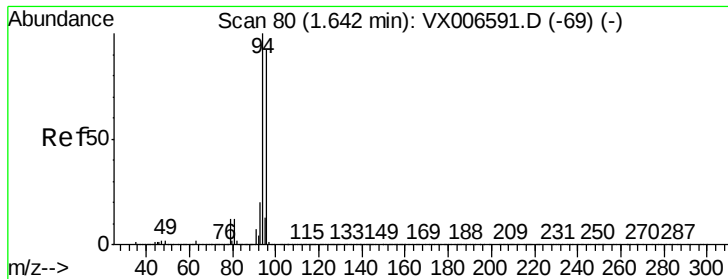
64 31.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.375 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

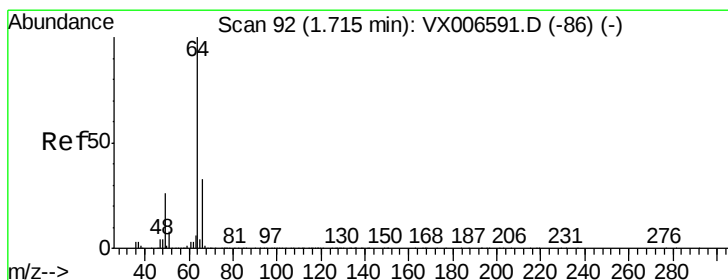
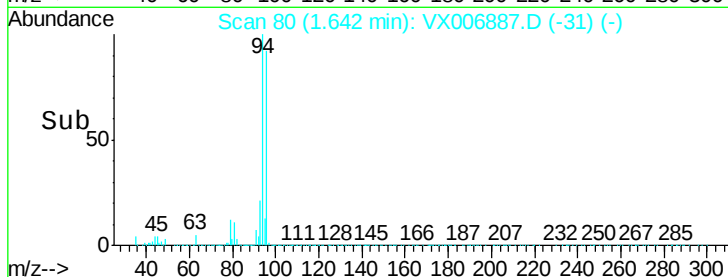
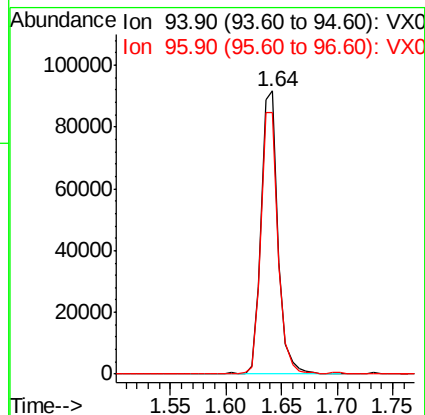
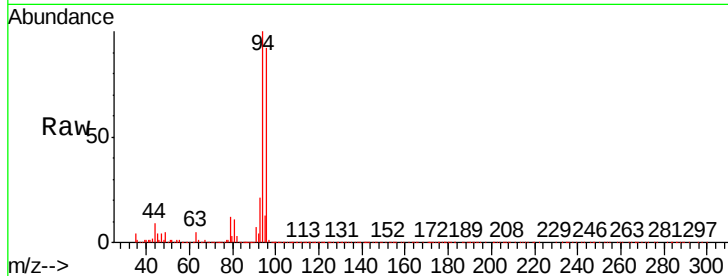
VX0103WBS01

Tgt Ion: 94 Resp: 98355

Ion Ratio Lower Upper

94 100

96 92.2 73.4 110.2



#6

Chloroethane

Concen: 16.894 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006887.D

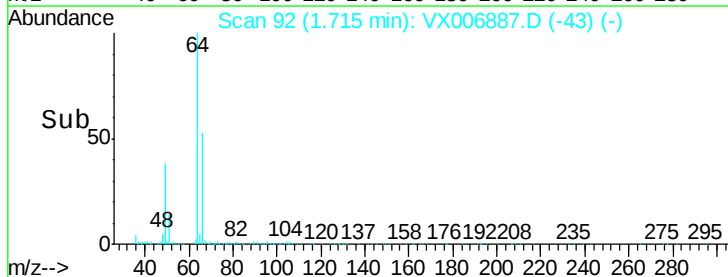
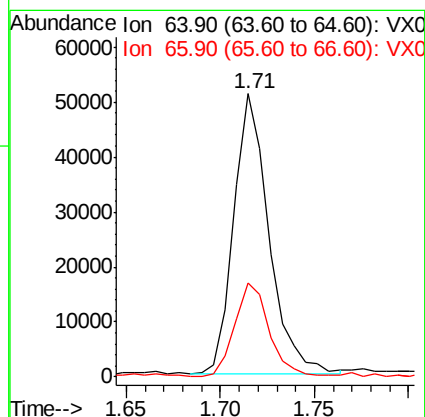
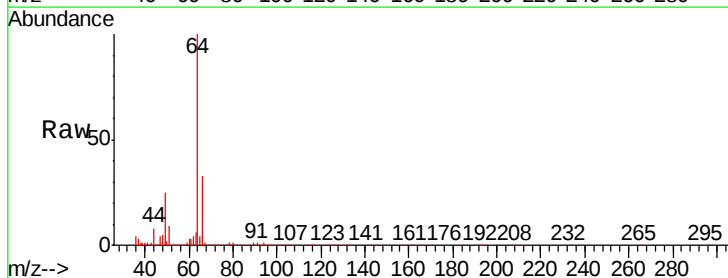
Acq: 03 Jan 2019 11:52

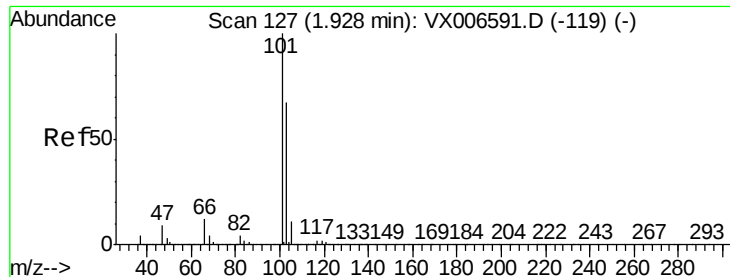
Tgt Ion: 64 Resp: 66195

Ion Ratio Lower Upper

64 100

66 33.3 26.4 39.6



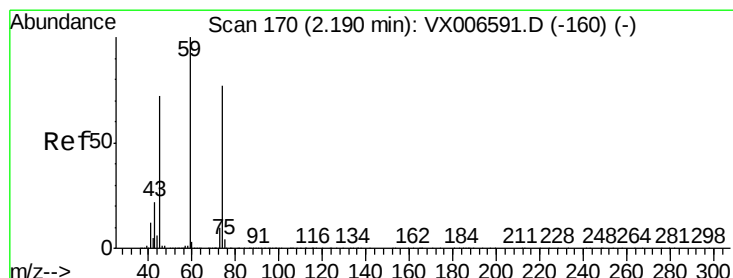
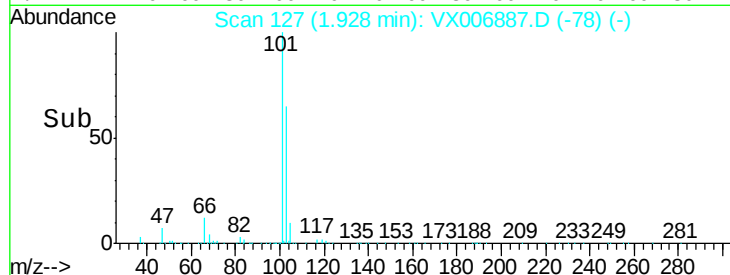
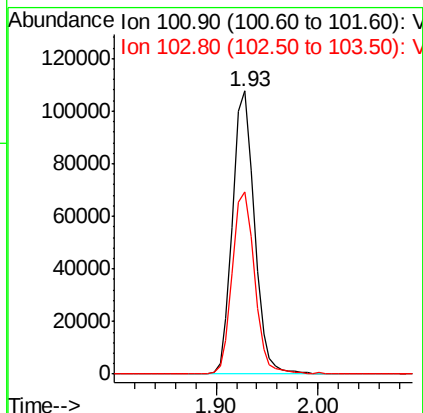
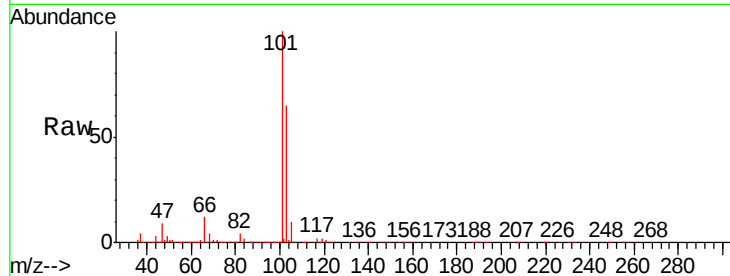


#7

Trichlorofluoromethane
Concen: 18.121 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Instrument :
MSVOA_X
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VX0103WBS01

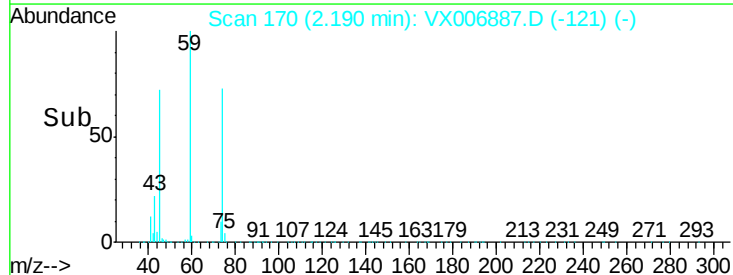
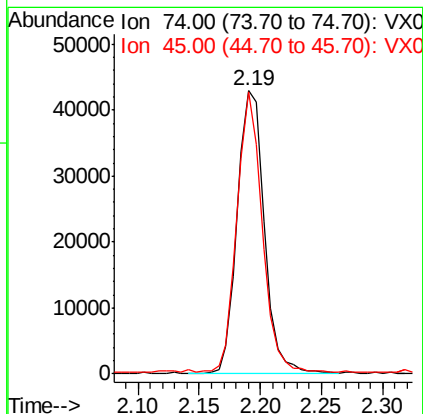
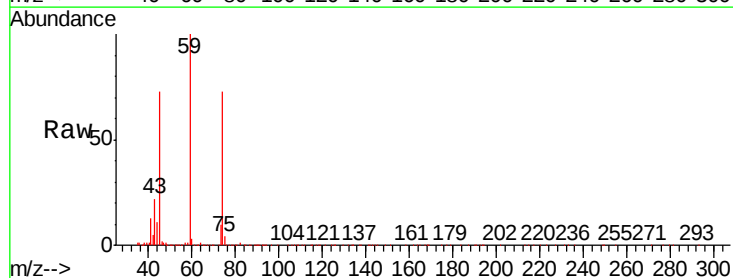
Tgt Ion:101 Resp: 159872
Ion Ratio Lower Upper
101 100
103 64.4 53.2 79.8



#8

Diethyl Ether
Concen: 18.787 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 74 Resp: 65834
Ion Ratio Lower Upper
74 100
45 91.7 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.852 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

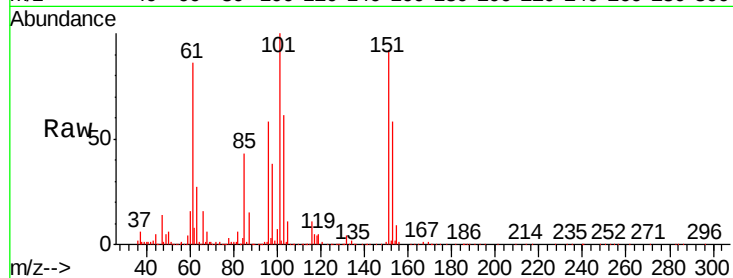
Tgt Ion:101 Resp: 97654

Ion Ratio Lower Upper

101 100

85 41.9 35.1 52.7

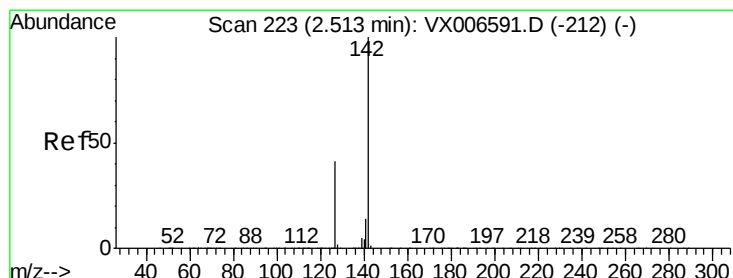
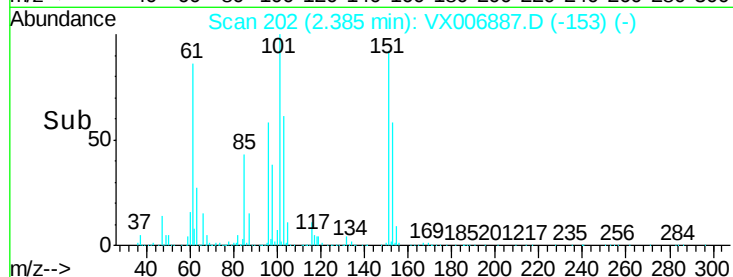
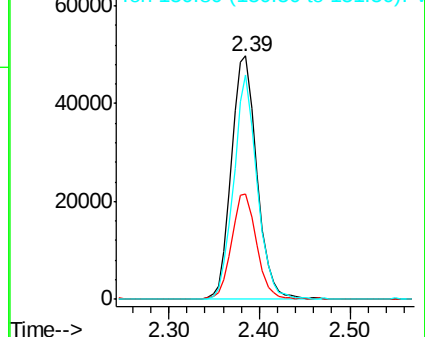
151 84.7 68.9 103.3



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: 18.061 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

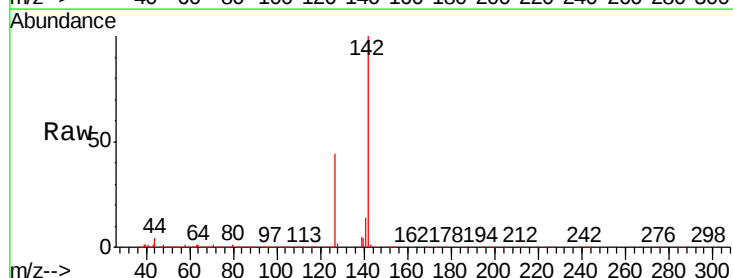
Tgt Ion:142 Resp: 133921

Ion Ratio Lower Upper

142 100

127 43.2 33.9 50.9

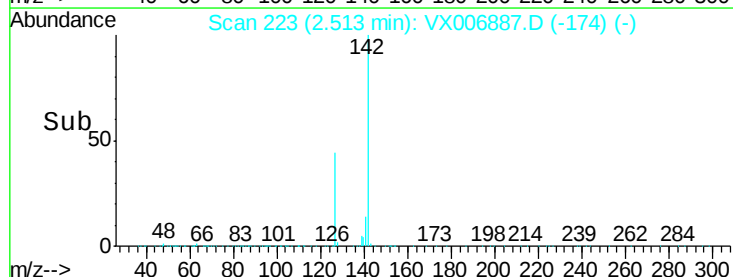
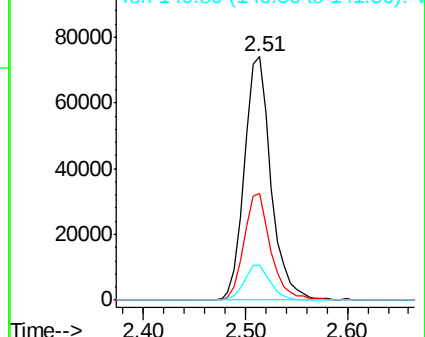
141 14.1 11.4 17.0

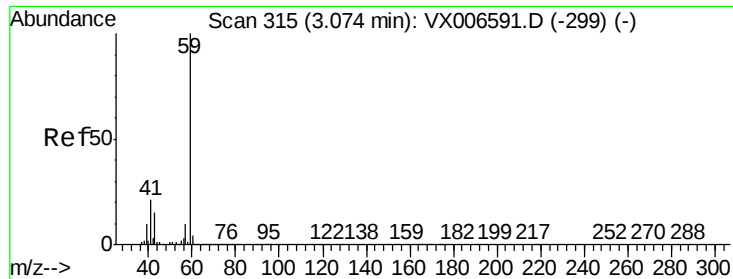


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

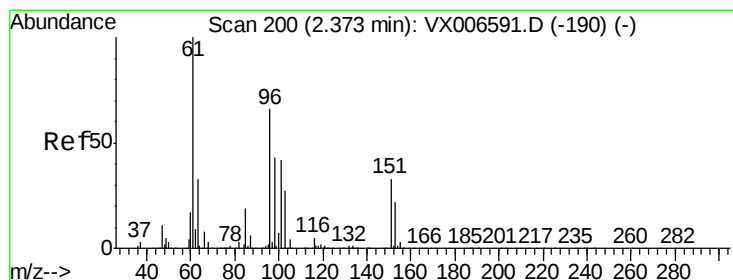
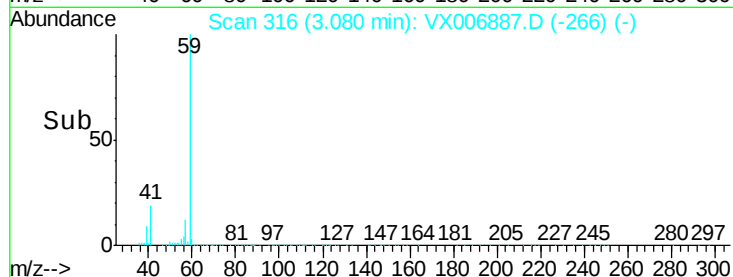
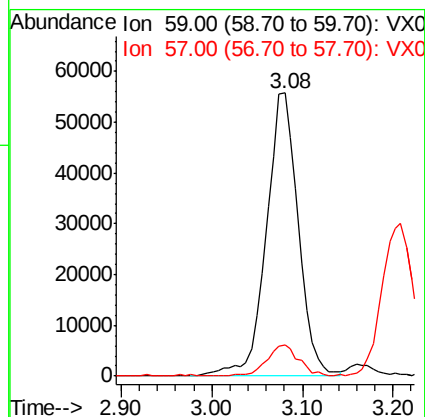
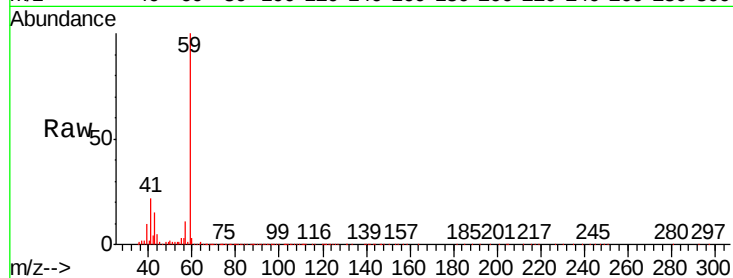




#11
Tert butyl alcohol
Concen: 102.044 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

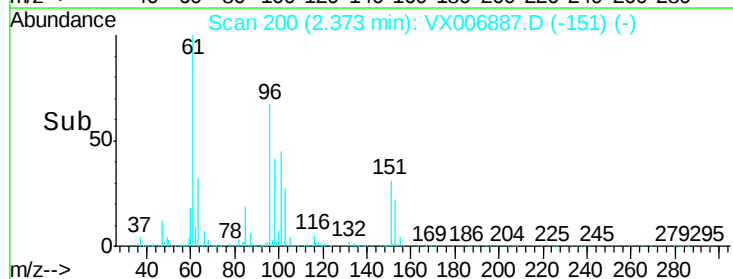
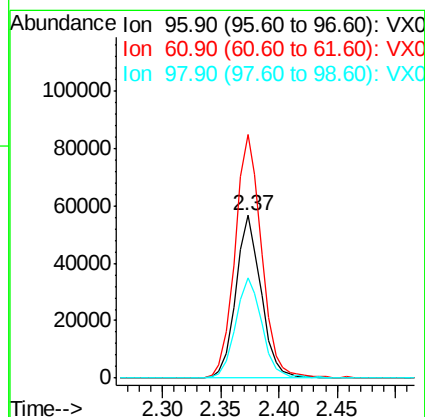
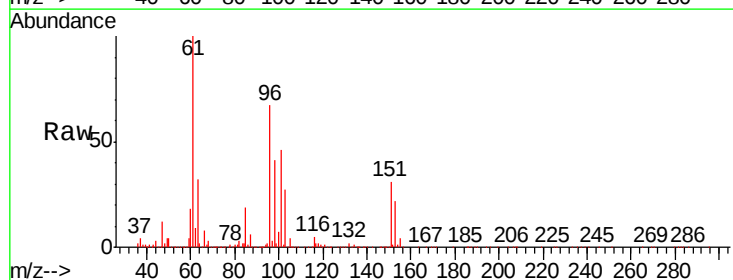
Instrument :
MSVOA_X
ClientSampleId :
VX0103WBS01

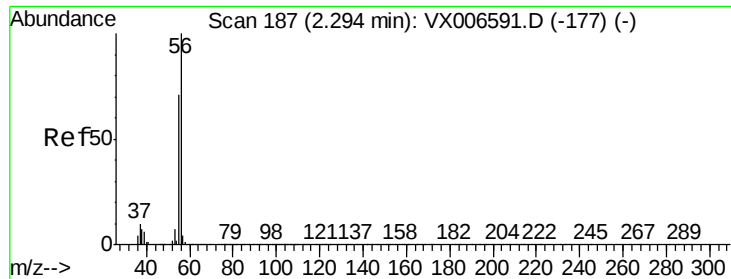
Tgt Ion: 59 Resp: 134929
Ion Ratio Lower Upper
59 100
57 11.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 17.380 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 96 Resp: 85364
Ion Ratio Lower Upper
96 100
61 150.1 121.4 182.2
98 61.5 51.9 77.9





#13

Acrolein

Concen: 80.689 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

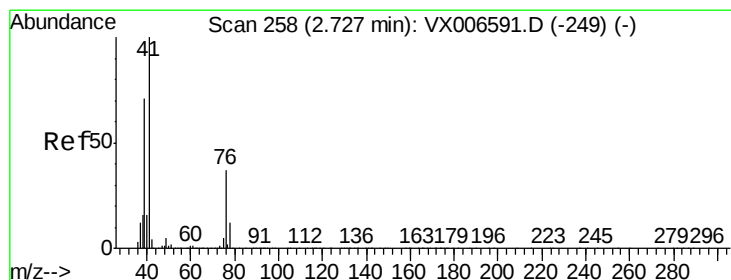
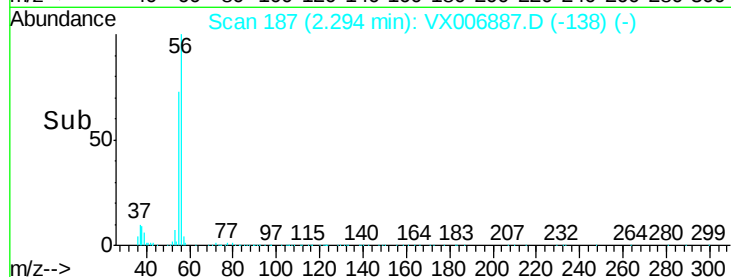
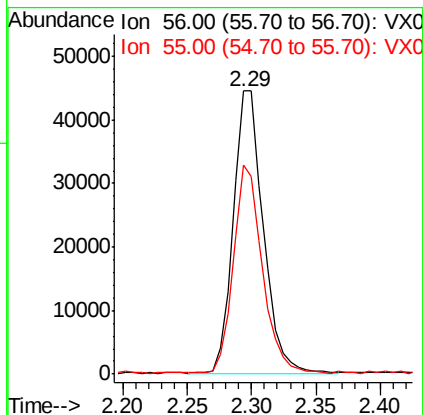
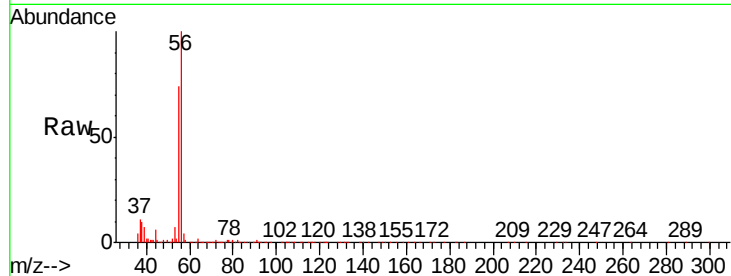
VX0103WBS01

Tgt Ion: 56 Resp: 71975

Ion Ratio Lower Upper

56 100

55 70.7 58.2 87.4



#14

Allyl chloride

Concen: 19.281 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

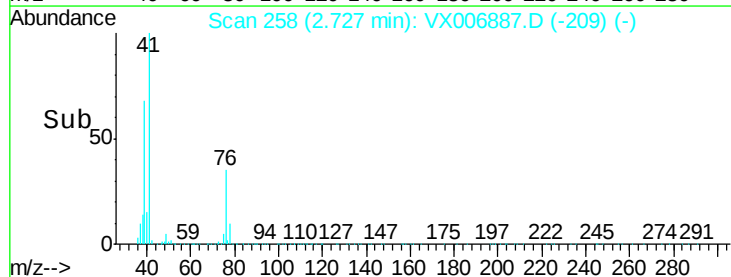
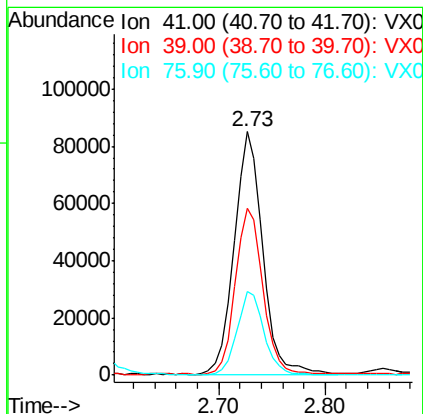
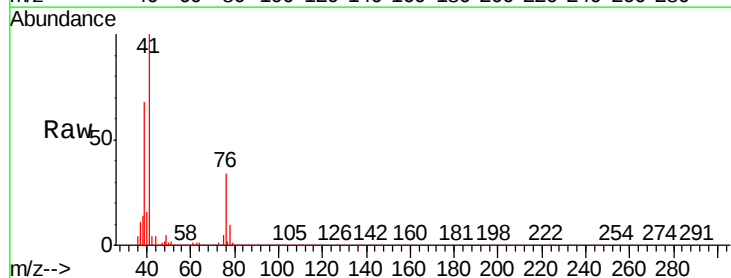
Tgt Ion: 41 Resp: 159407

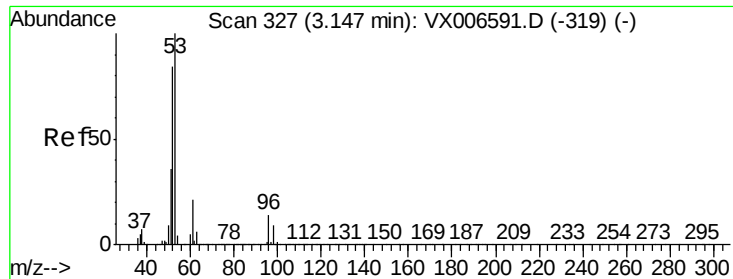
Ion Ratio Lower Upper

41 100

39 66.0 53.6 80.4

76 32.3 27.4 41.2

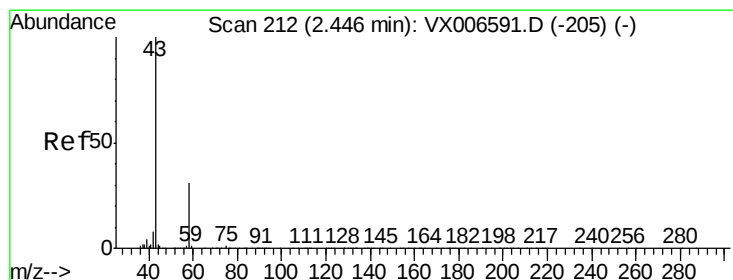
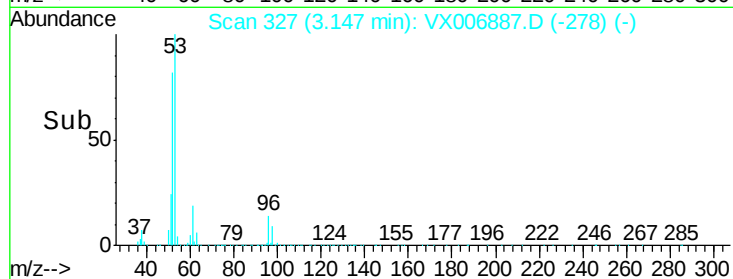
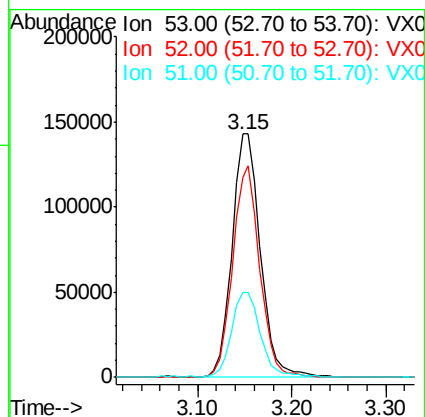
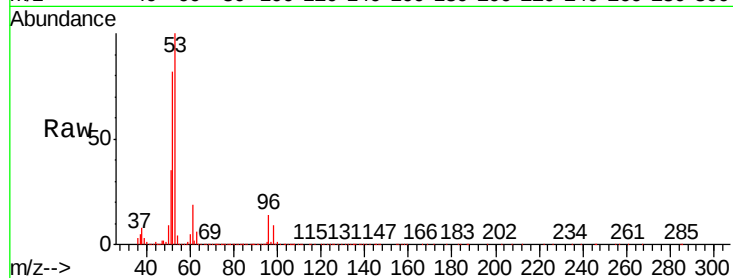




#15
 Acrylonitrile
 Concen: 100.859 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX006887.D
 Acq: 03 Jan 2019 11:52

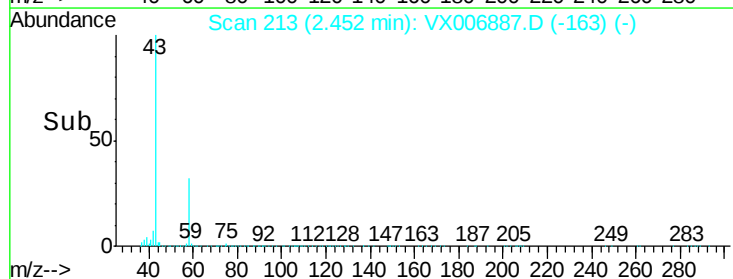
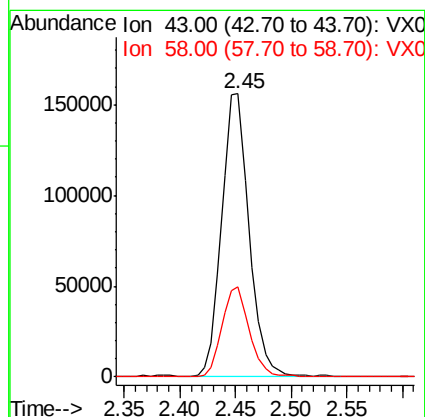
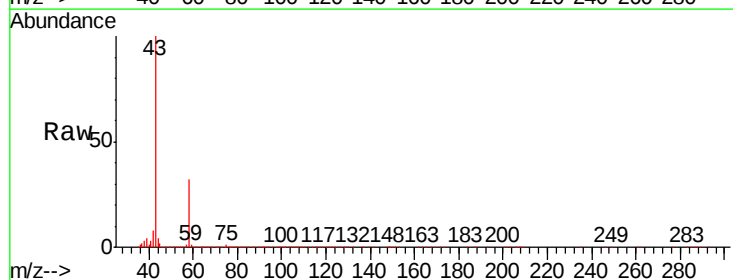
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0103WBS01

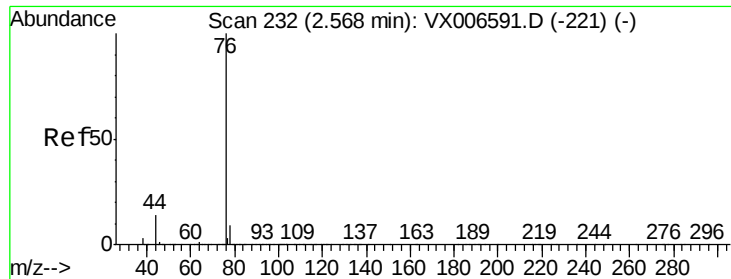
Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.0	99.0
51	35.7	28.6	42.8



#16
 Acetone
 Concen: 97.439 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX006887.D
 Acq: 03 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.0	37.6

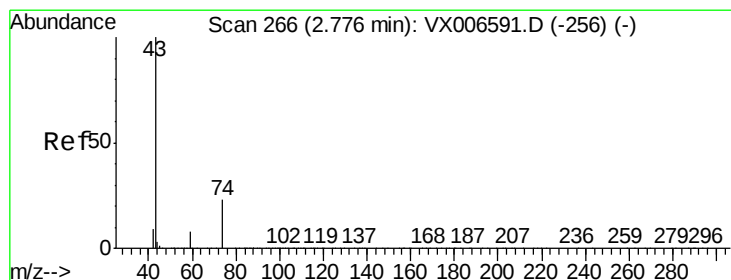
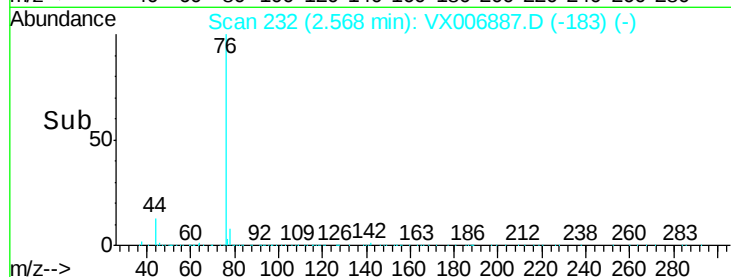
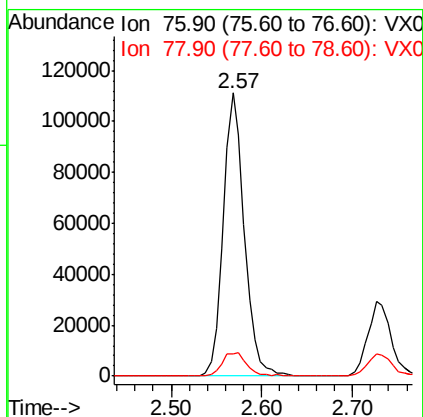
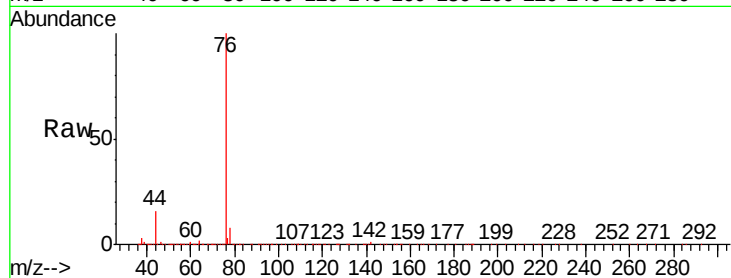




#17
Carbon Disulfide
Concen: 13.868 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

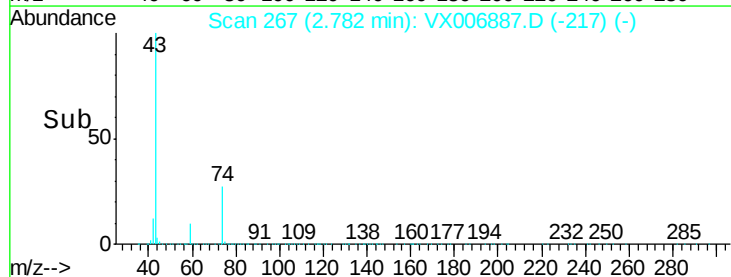
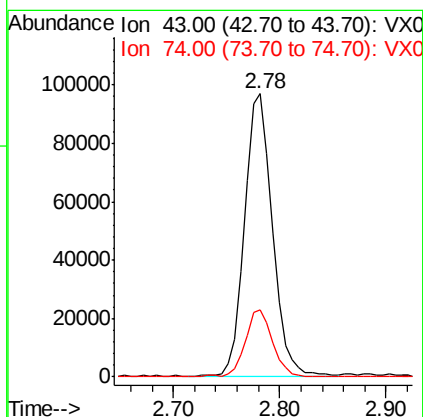
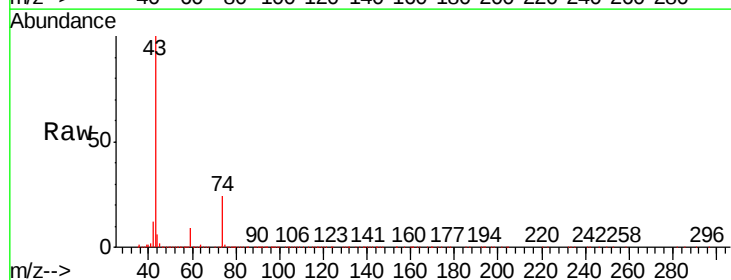
Instrument :
MSVOA_X
ClientSampleId :
VX0103WBS01

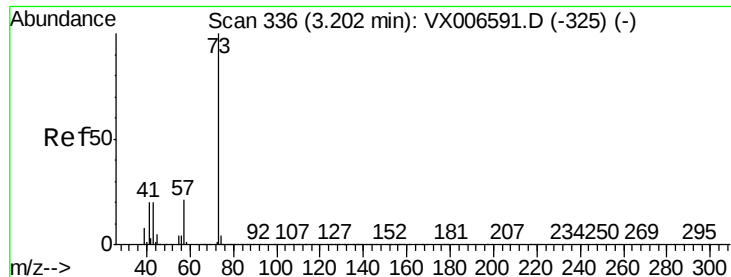
Tgt Ion: 76 Resp: 180257
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.6



#18
Methyl Acetate
Concen: 22.229 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 43 Resp: 177923
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 20.381 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

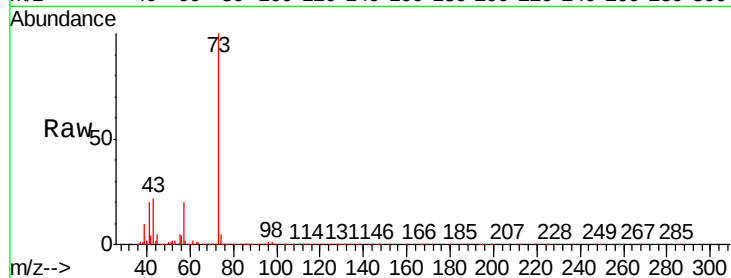
VX0103WBS01

Tgt Ion: 73 Resp: 332260

Ion Ratio Lower Upper

73 100

57 20.3 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150000

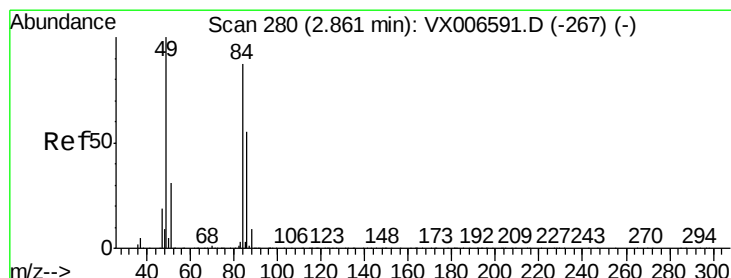
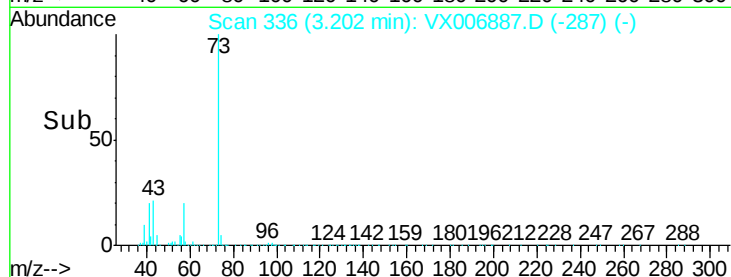
100000

50000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 18.637 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Tgt Ion: 84 Resp: 104902

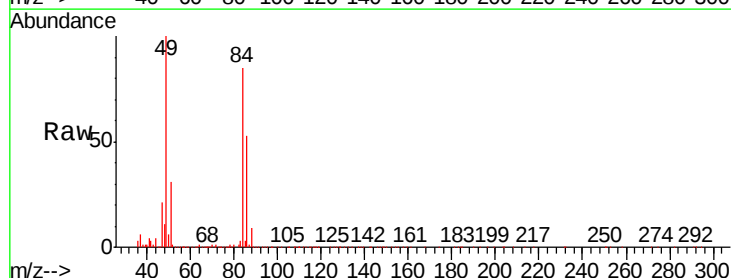
Ion Ratio Lower Upper

84 100

49 117.1 91.8 137.6

51 36.1 28.5 42.7

86 61.6 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

100000

80000

60000

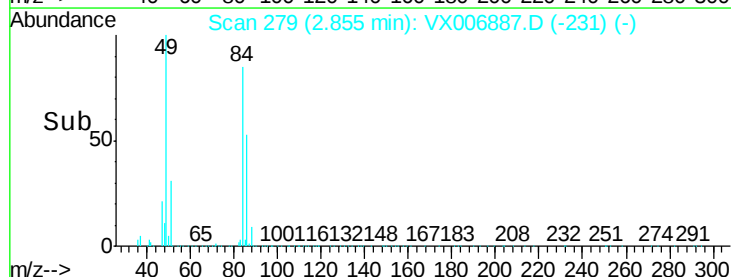
40000

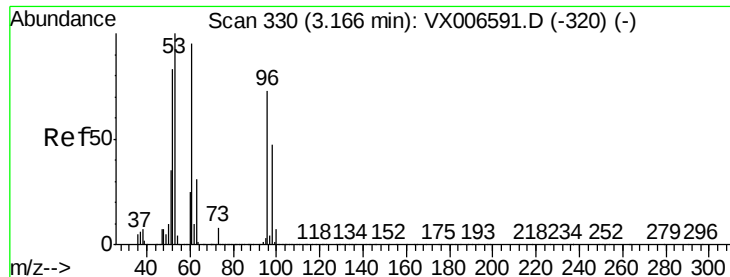
20000

0

2.80 2.85 2.90

Time-->





#21

trans-1,2-Dichloroethene

Concen: 17.051 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

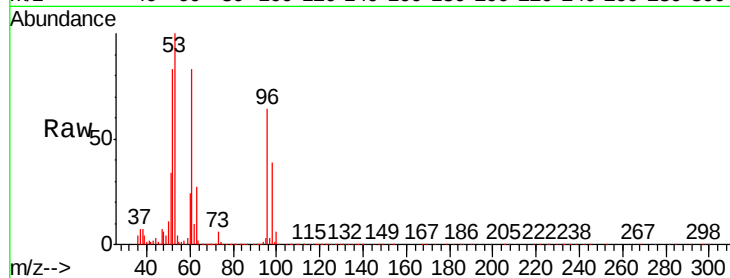
Tgt Ion: 96 Resp: 92794

Ion Ratio Lower Upper

96 100

61 130.0 103.7 155.5

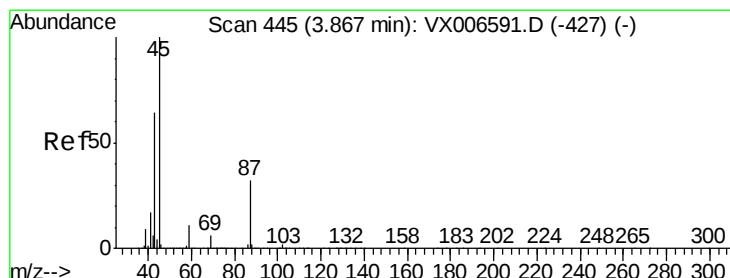
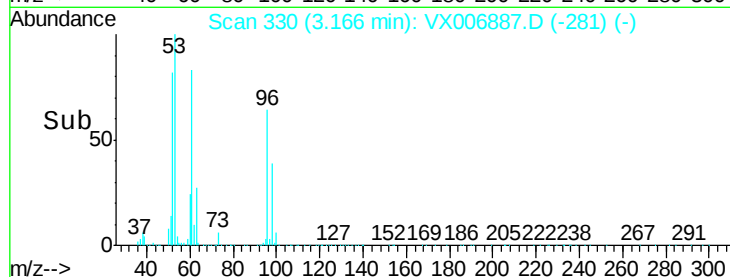
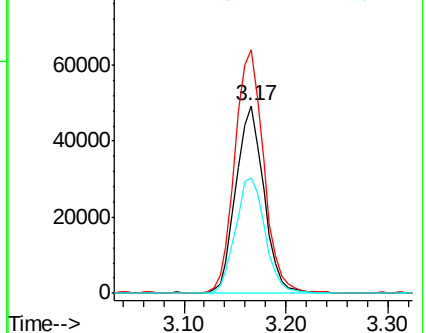
98 61.5 51.0 76.6



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: 20.677 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Tgt Ion: 45 Resp: 312736

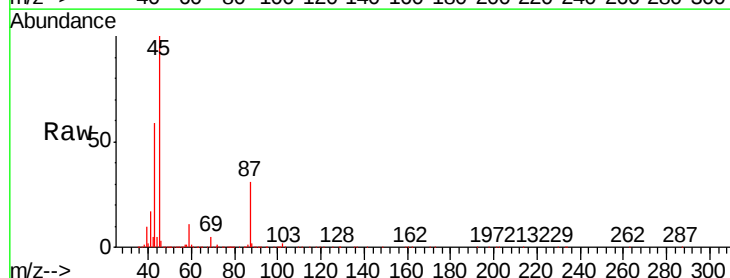
Ion Ratio Lower Upper

45 100

43 58.6 51.2 76.8

87 30.7 25.8 38.6

59 11.4 9.0 13.4

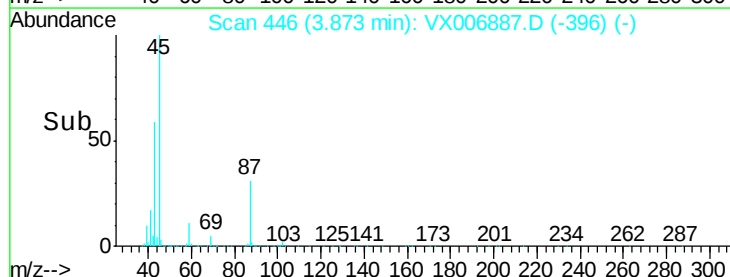
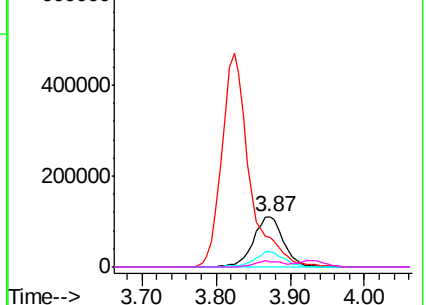


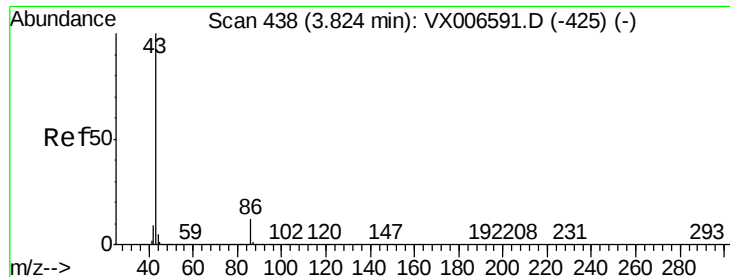
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 99.103 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

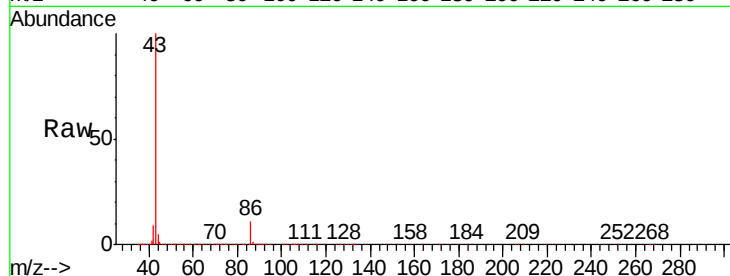
VX0103WBS01

Tgt Ion: 43 Resp: 1226083

Ion Ratio Lower Upper

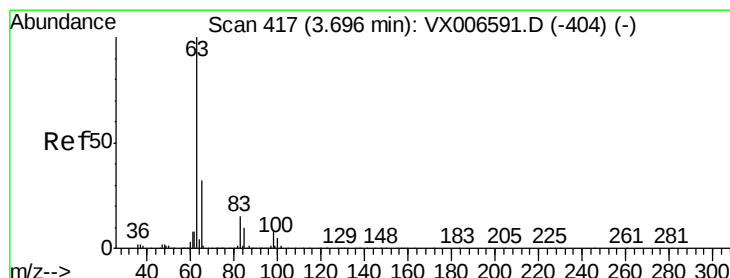
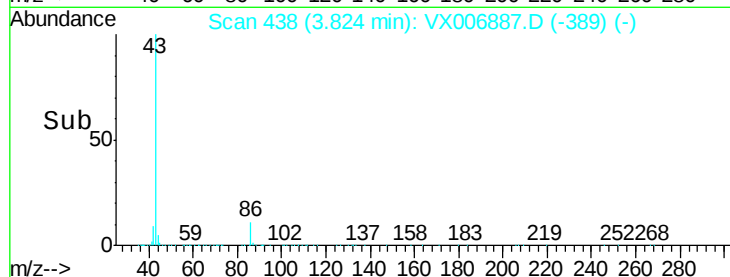
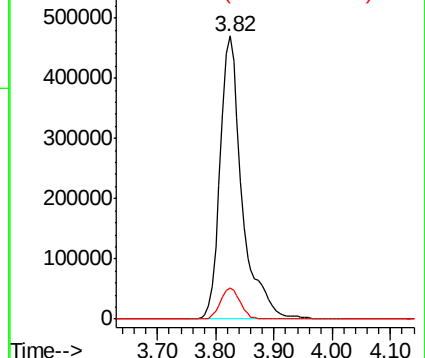
43 100

86 10.8 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.833 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

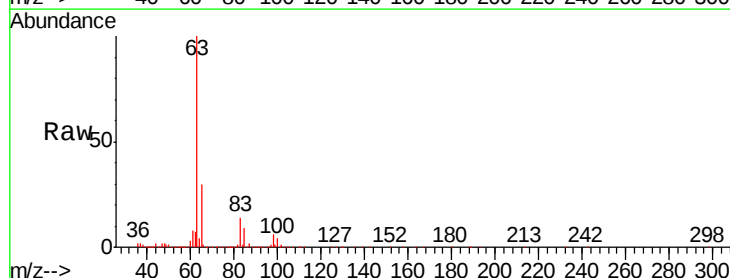
Tgt Ion: 63 Resp: 170041

Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.5

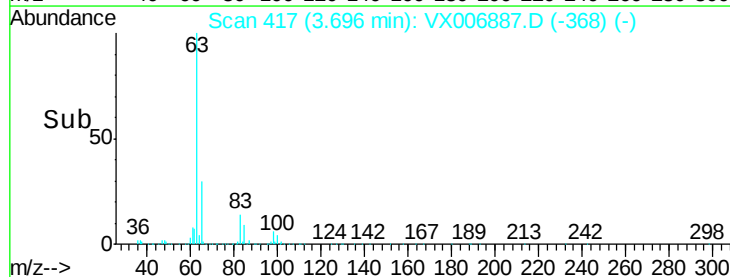
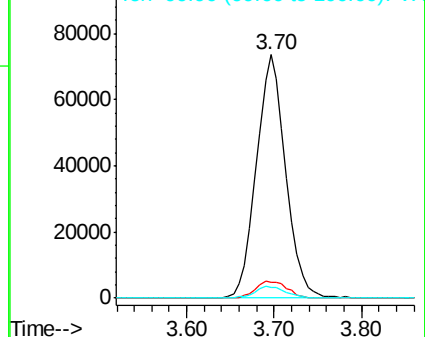
100 4.2 2.4 7.2

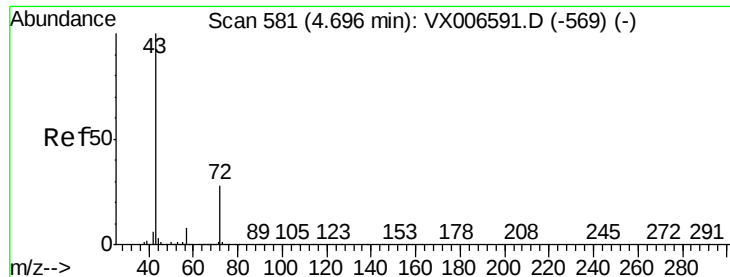


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.898 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

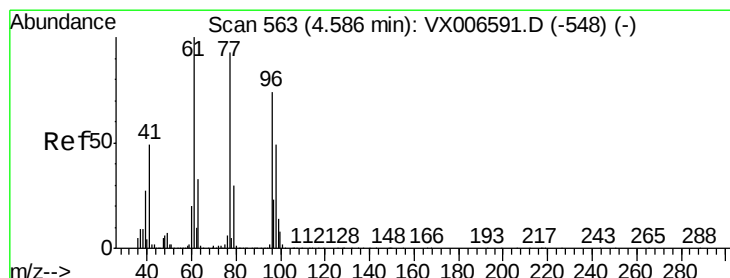
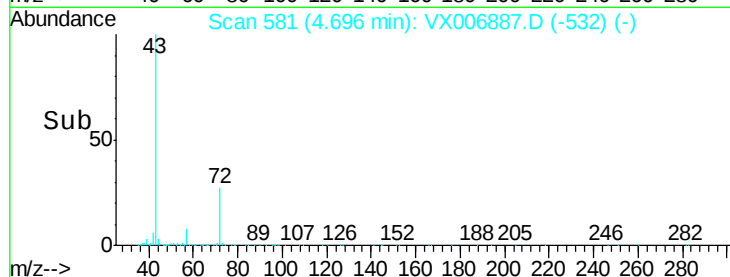
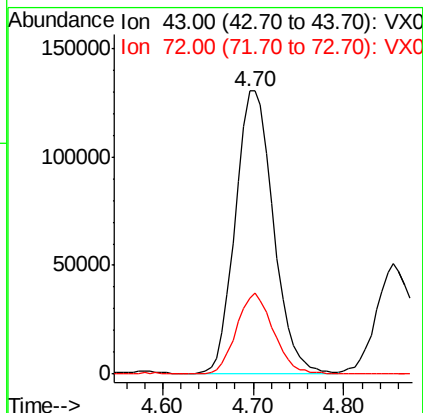
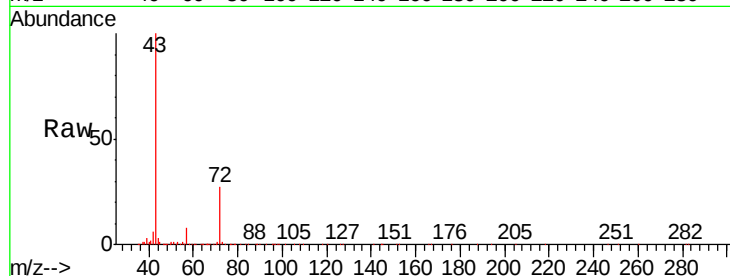
VX0103WBS01

Tgt Ion: 43 Resp: 378669

Ion Ratio Lower Upper

43 100

72 26.8 22.4 33.6



#26

2,2-Dichloropropane

Concen: 18.529 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006887.D

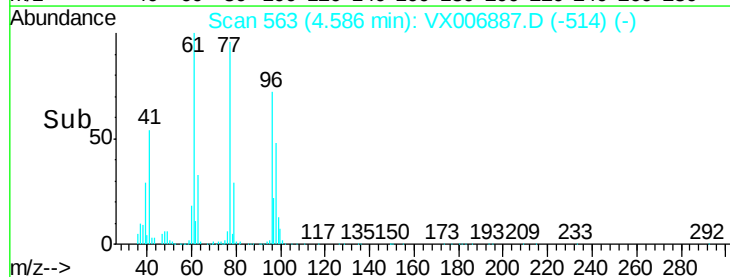
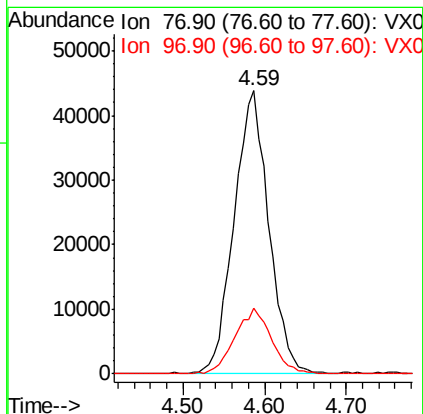
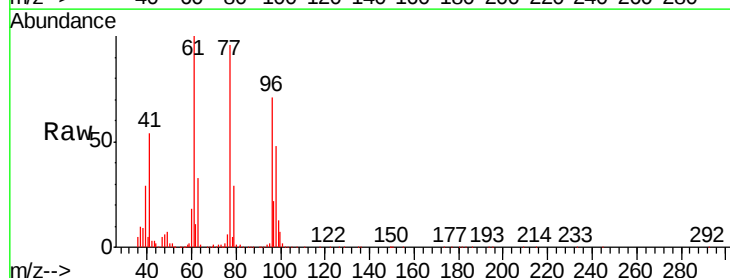
Acq: 03 Jan 2019 11:52

Tgt Ion: 77 Resp: 129232

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.4



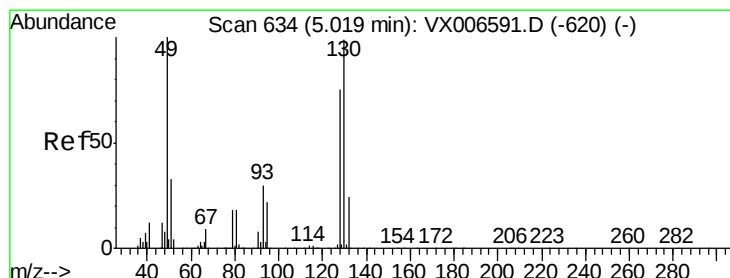
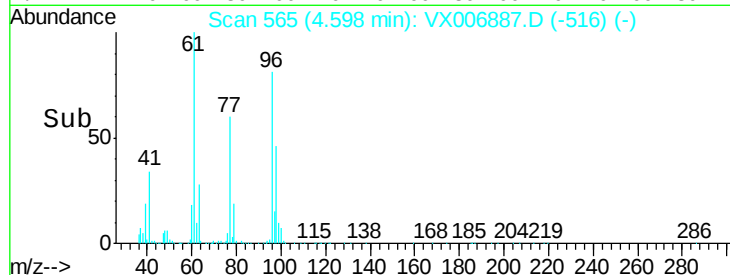
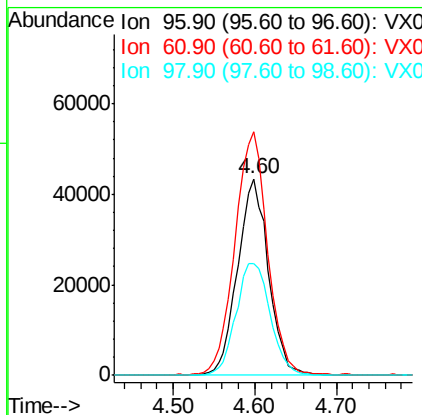
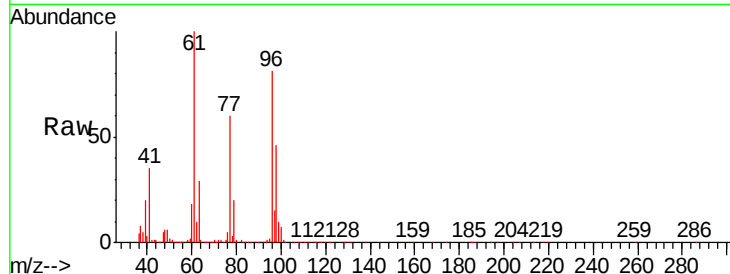


#27

cis-1,2-Dichloroethene
Concen: 18.918 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0103WBS01

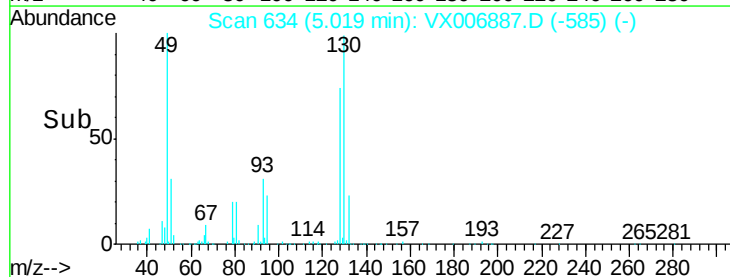
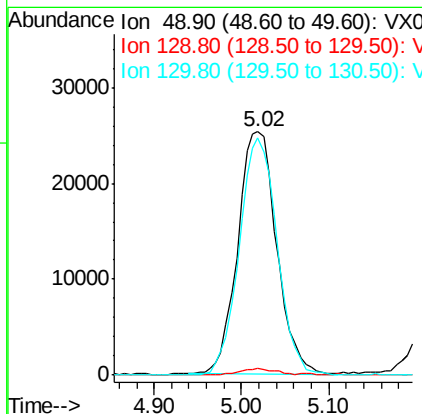
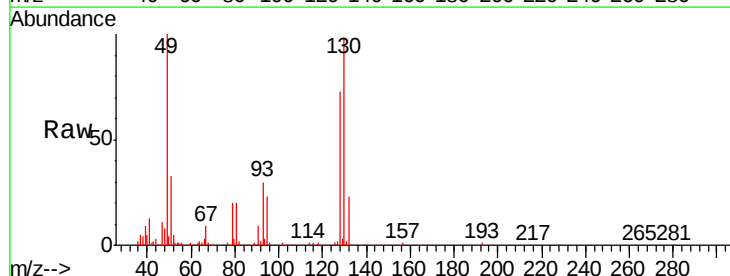
Tgt Ion: 96 Resp: 113592
Ion Ratio Lower Upper
96 100
61 130.2 0.0 258.6
98 63.9 0.0 132.0

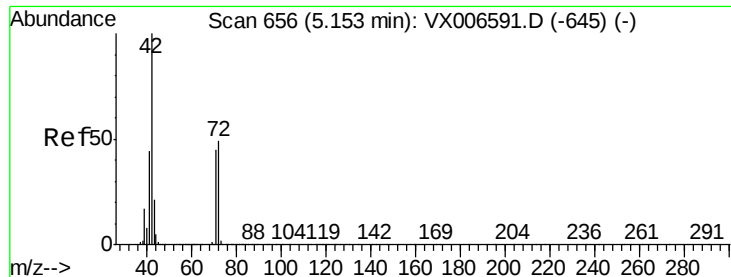


#28

Bromochloromethane
Concen: 19.386 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 49 Resp: 78103
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.4
130 95.7 77.7 116.5

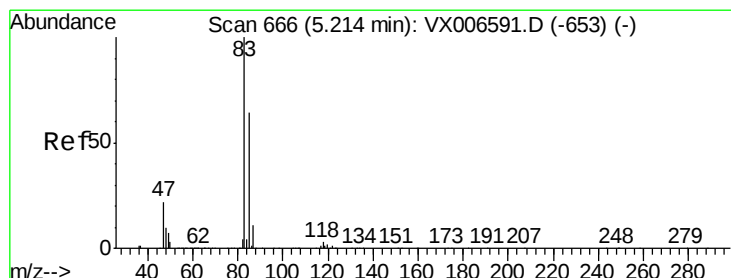
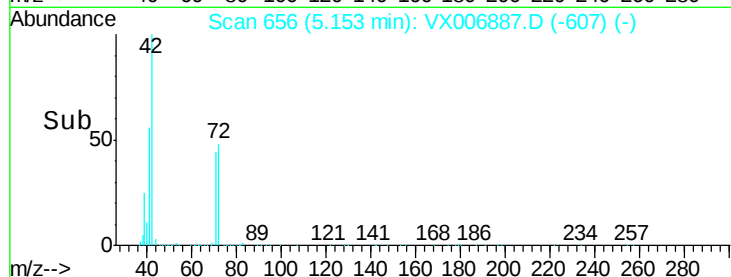
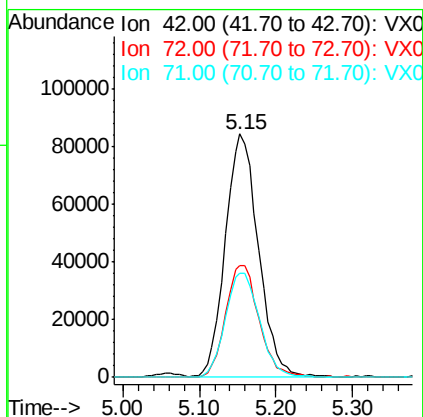
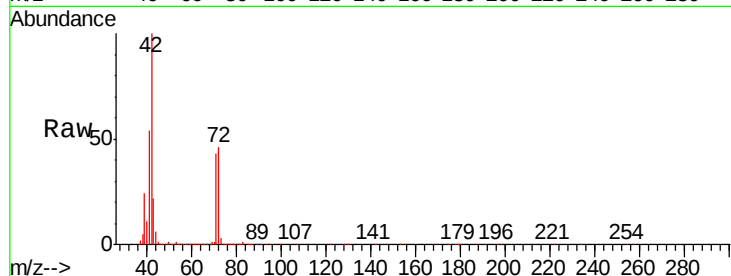




#29
Tetrahydrofuran
Concen: 99.716 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

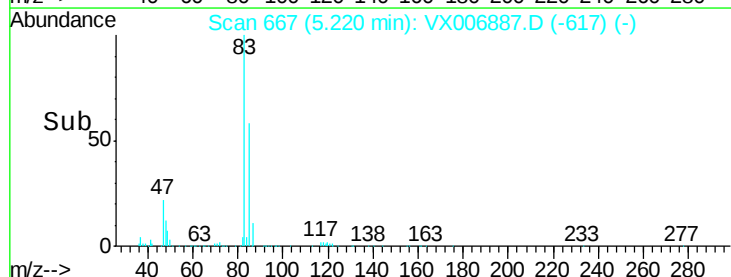
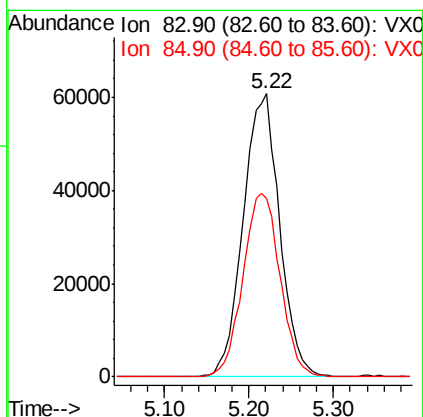
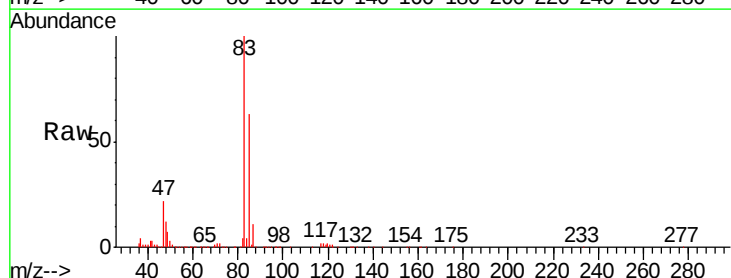
Instrument :
MSVOA_X
ClientSampled :
VX0103WBS01

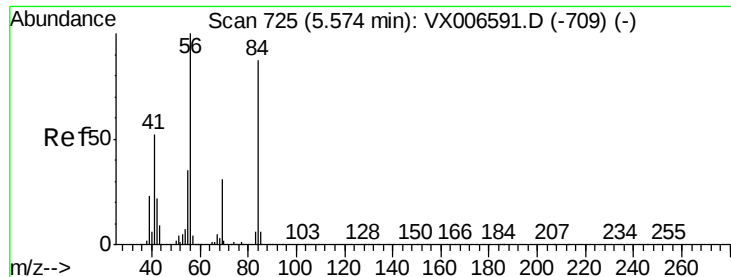
Tgt Ion: 42 Resp: 251468
Ion Ratio Lower Upper
42 100
72 46.8 38.9 58.3
71 44.6 36.2 54.4



#30
Chloroform
Concen: 19.081 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 83 Resp: 178411
Ion Ratio Lower Upper
83 100
85 62.7 51.2 76.8





#31

Cyclohexane

Concen: 16.731 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

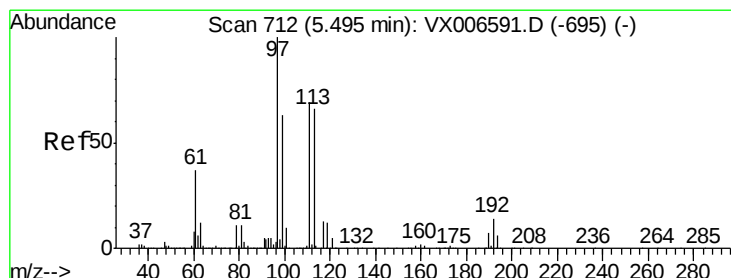
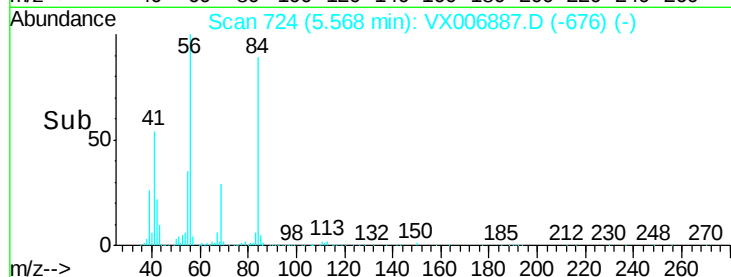
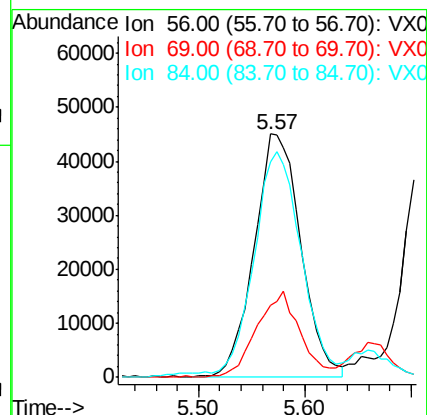
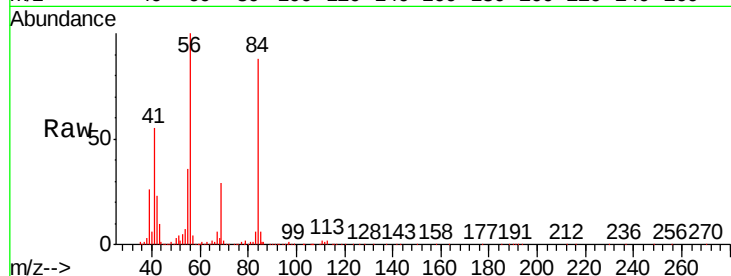
Tgt Ion: 56 Resp: 137234

Ion Ratio Lower Upper

56 100

69 29.4 24.4 36.6

84 86.7 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 18.924 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

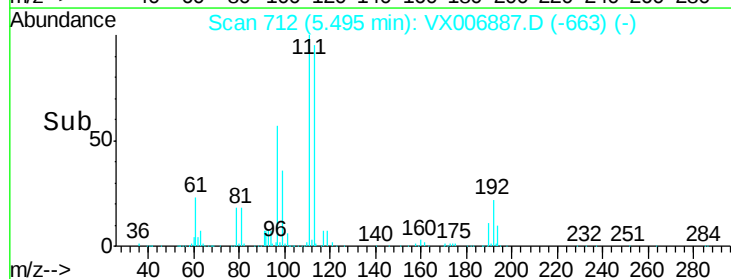
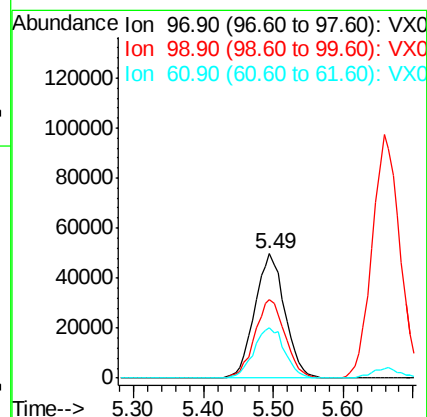
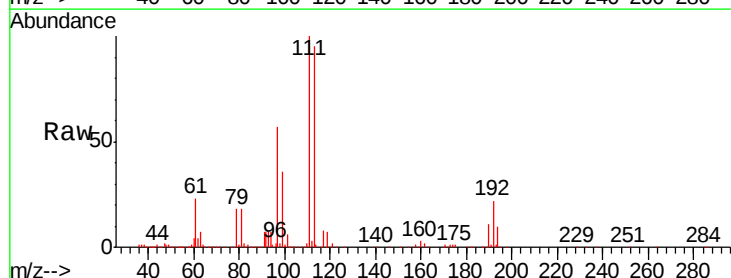
Tgt Ion: 97 Resp: 149408

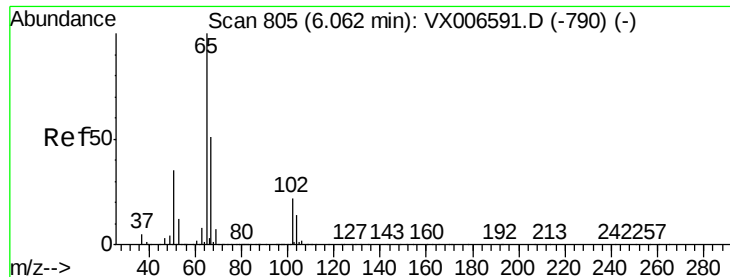
Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

61 41.5 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 48.604 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

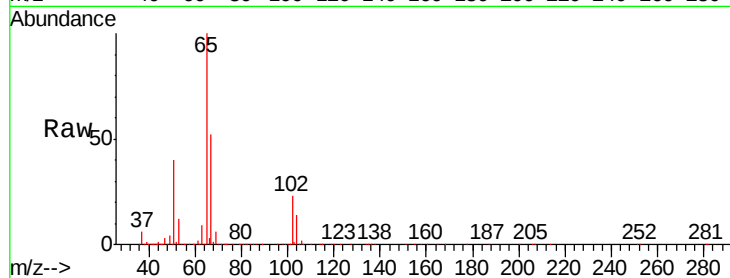
VX0103WBS01

Tgt Ion: 65 Resp: 287967

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

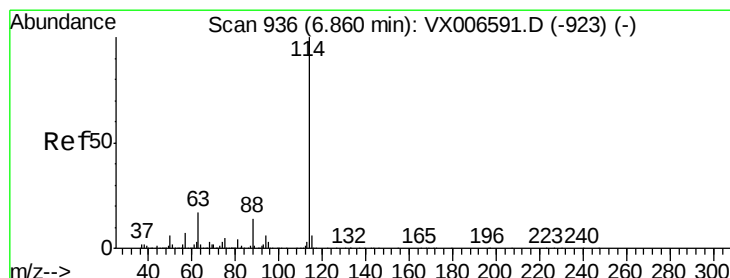
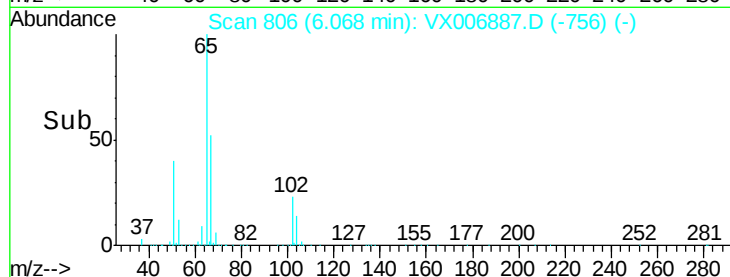
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

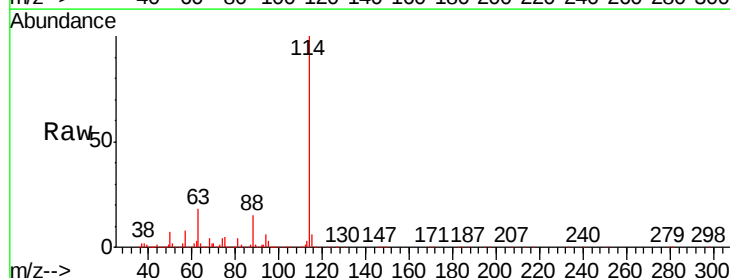
Tgt Ion: 114 Resp: 819302

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 14.9 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

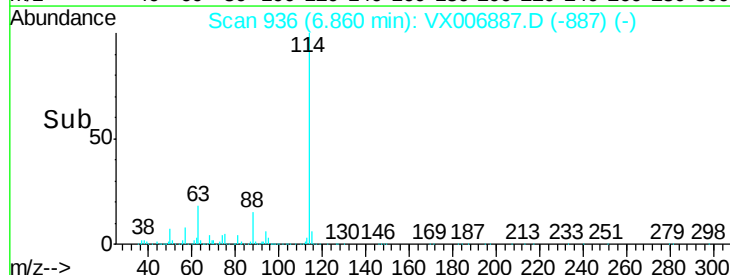
300000

200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.080 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

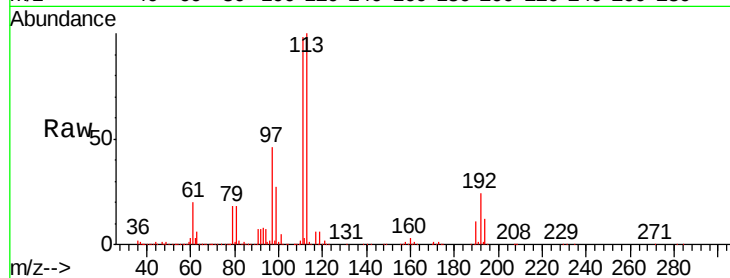
Tgt Ion:113 Resp: 259472

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

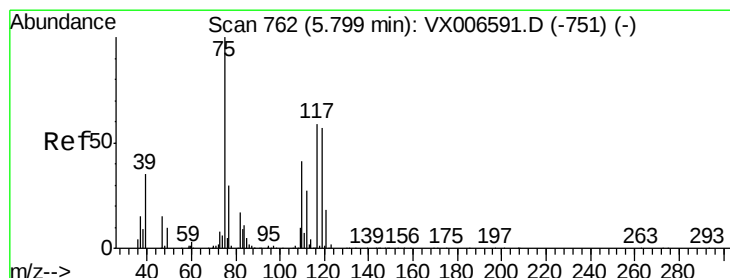
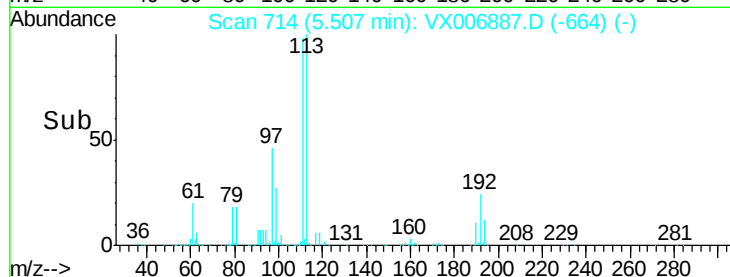
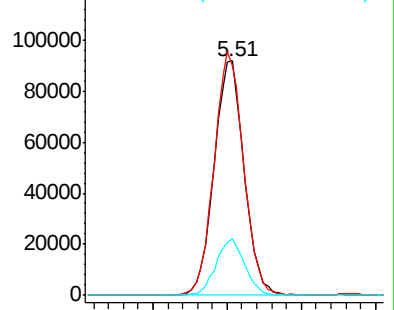
192 23.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.744 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

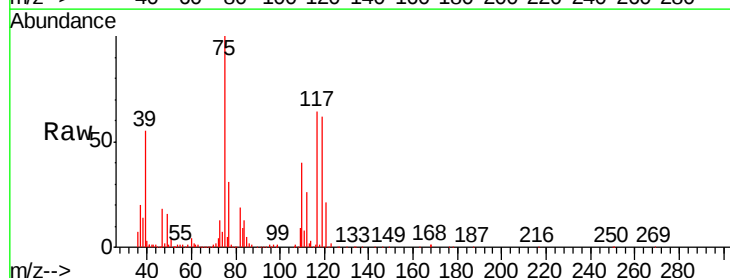
Tgt Ion: 75 Resp: 120407

Ion Ratio Lower Upper

75 100

110 40.3 20.2 60.5

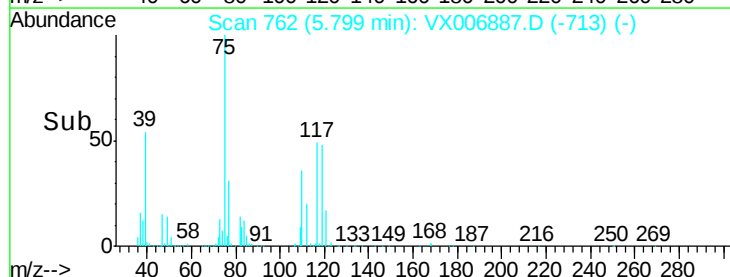
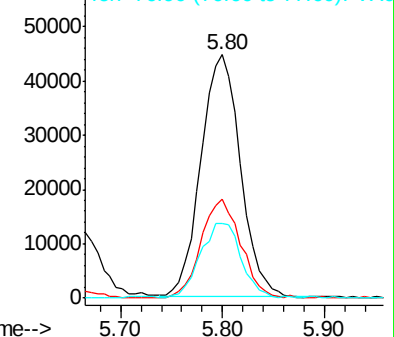
77 31.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

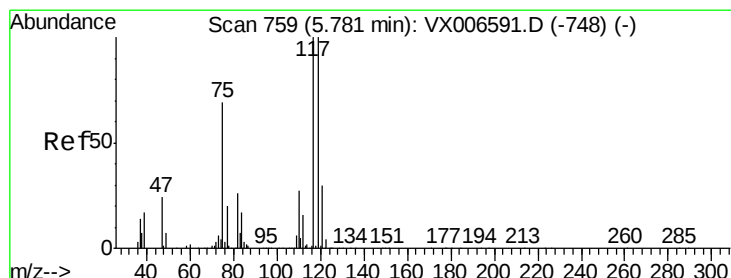
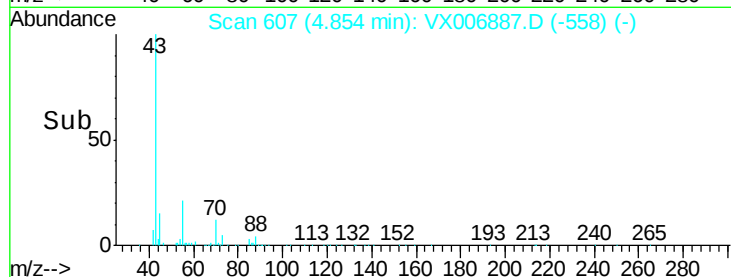
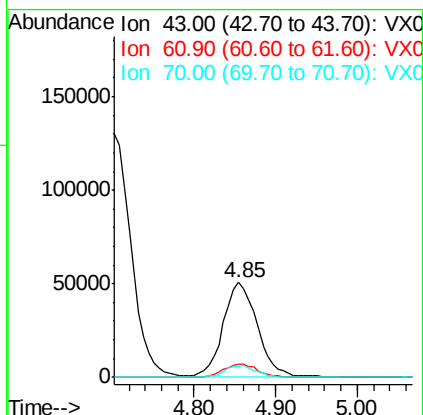
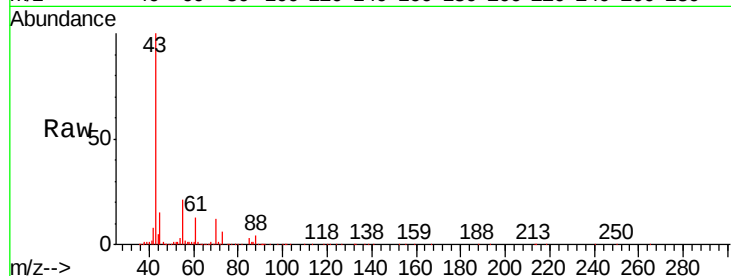




#37
Ethyl Acetate
Concen: 20.472 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

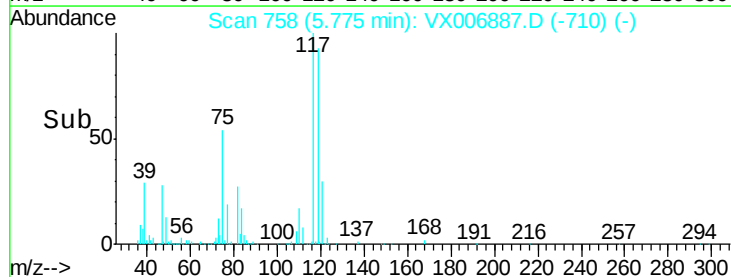
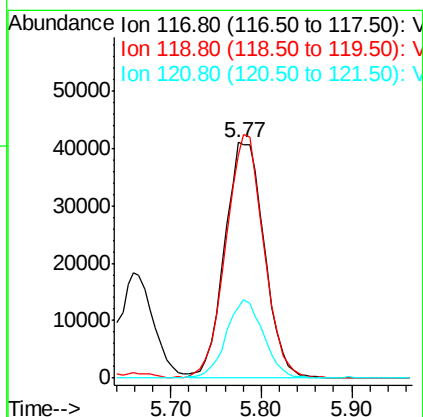
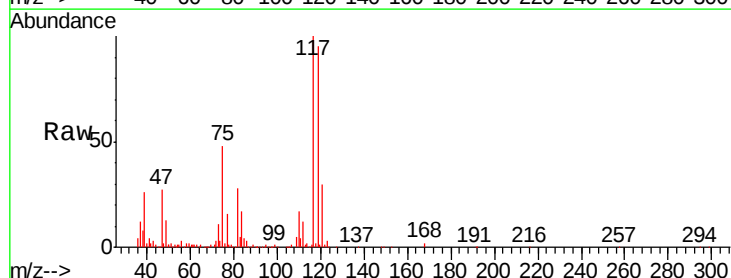
Instrument :
MSVOA_X
ClientSampleId :
VX0103WBS01

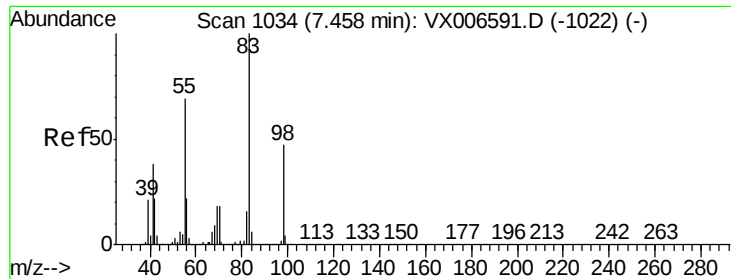
Tgt Ion: 43 Resp: 144584
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 11.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 18.840 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 117 Resp: 124245
Ion Ratio Lower Upper
117 100
119 94.7 79.4 119.2
121 30.3 24.0 36.0

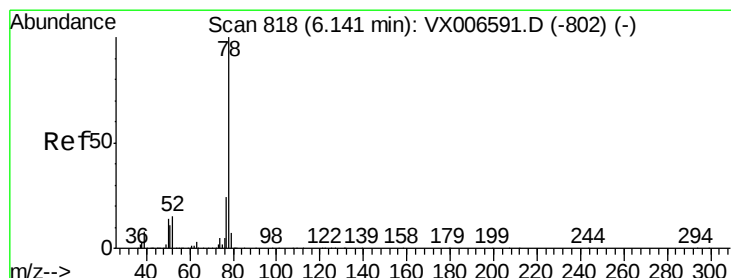
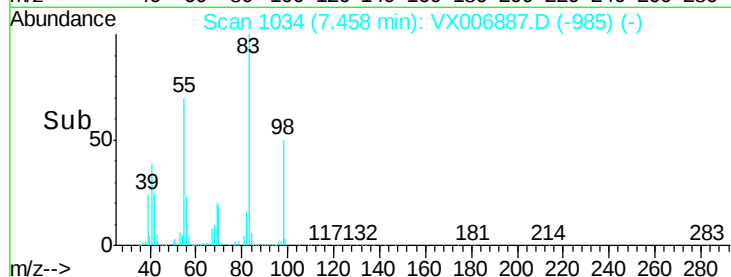
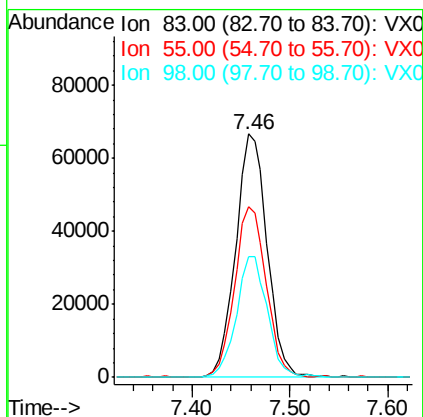
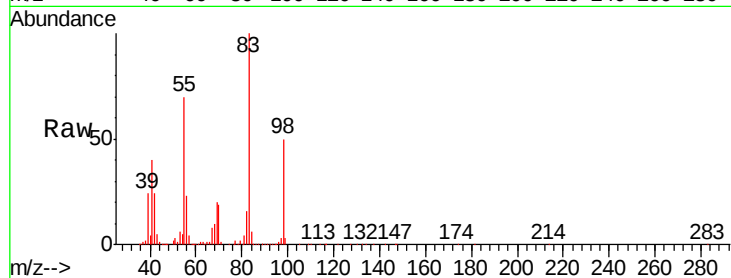




#39
Methylcyclohexane
Concen: 16.645 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

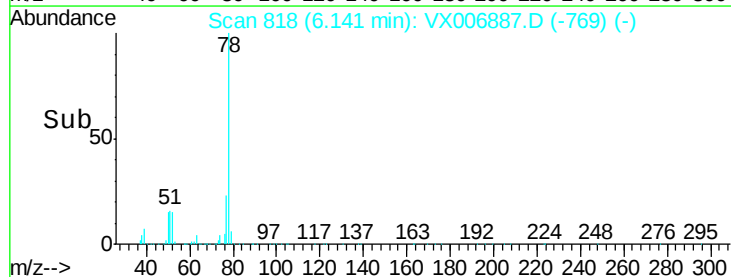
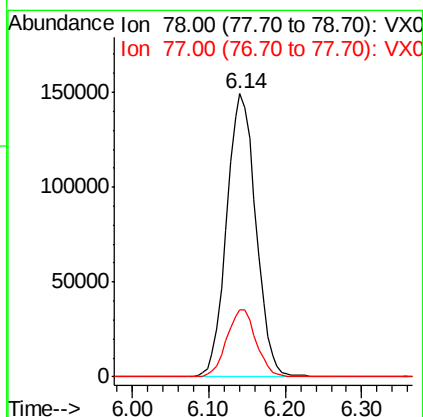
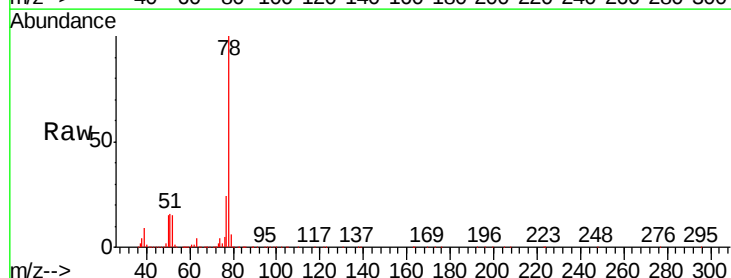
Instrument :
MSVOA_X
ClientSampleId :
VX0103WBS01

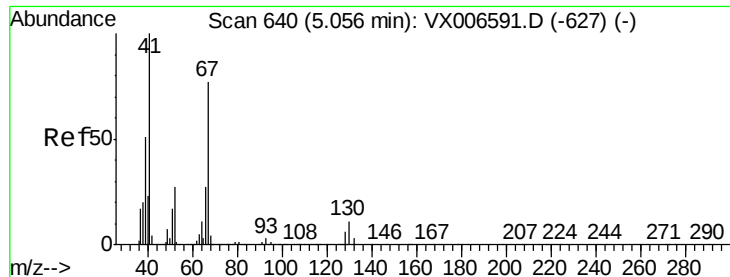
Tgt Ion: 83 Resp: 148702
Ion Ratio Lower Upper
83 100
55 70.1 54.9 82.3
98 49.7 37.9 56.9



#40
Benzene
Concen: 19.130 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006887.D
Acq: 03 Jan 2019 11:52

Tgt Ion: 78 Resp: 394591
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8





#41

Methacrylonitrile

Concen: 21.581 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

Tgt Ion: 41 Resp: 80922

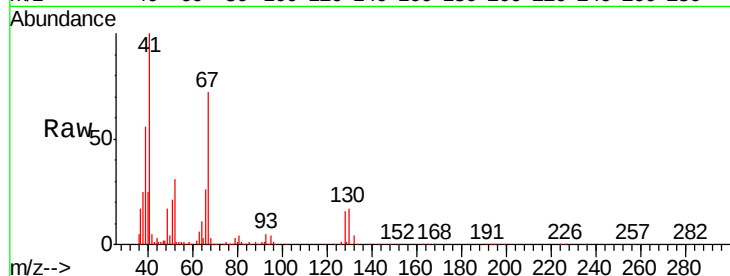
Ion Ratio Lower Upper

41 100

39 53.7 42.8 64.2

67 78.5 62.1 93.1

52 32.8 23.4 35.0

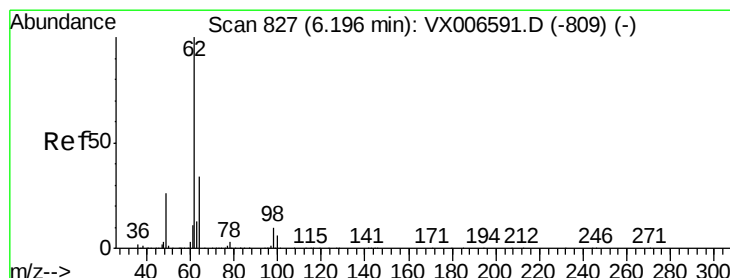
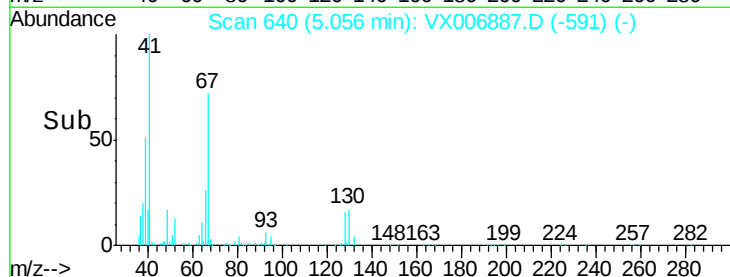
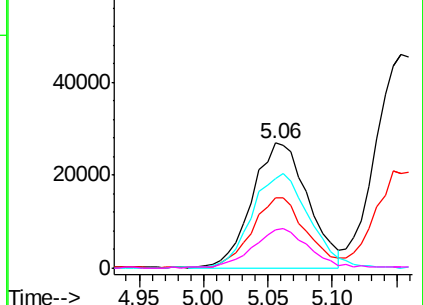


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.313 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006887.D

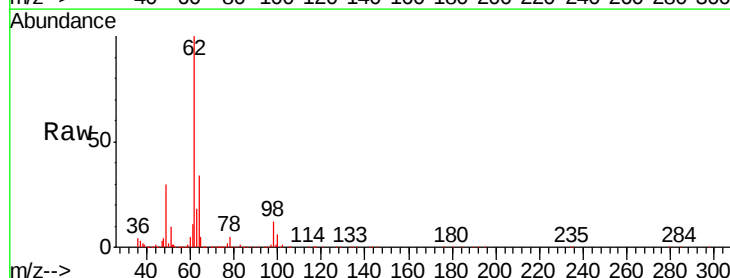
Acq: 03 Jan 2019 11:52

Tgt Ion: 62 Resp: 135739

Ion Ratio Lower Upper

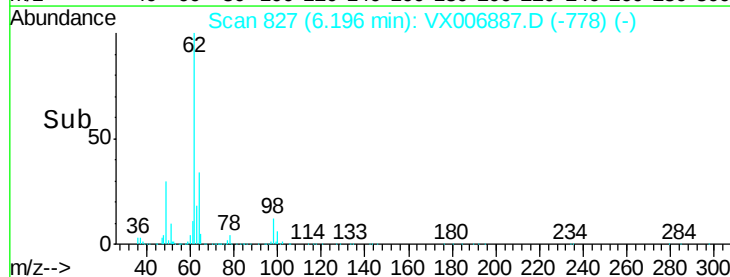
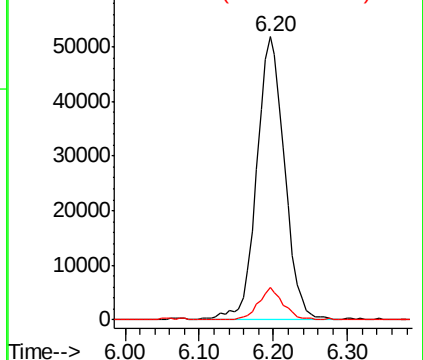
62 100

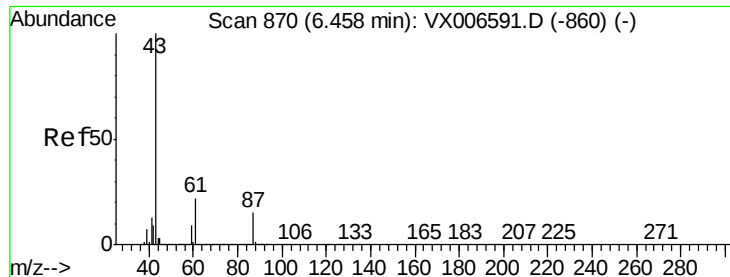
98 10.2 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.252 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

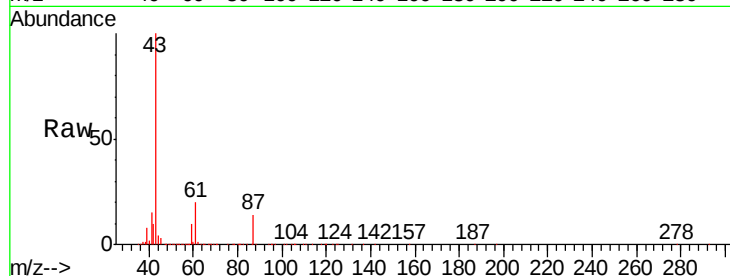
Tgt Ion: 43 Resp: 228380

Ion Ratio Lower Upper

43 100

61 20.6 16.8 25.2

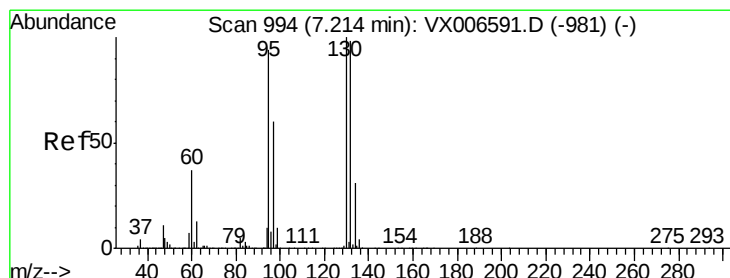
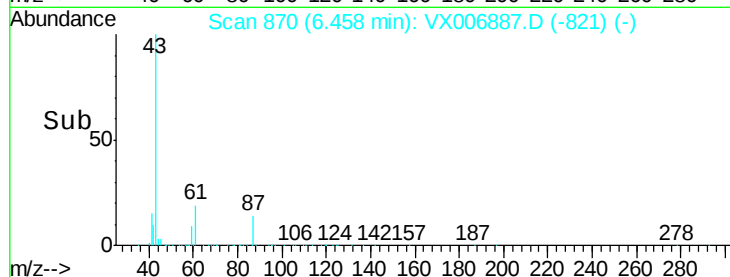
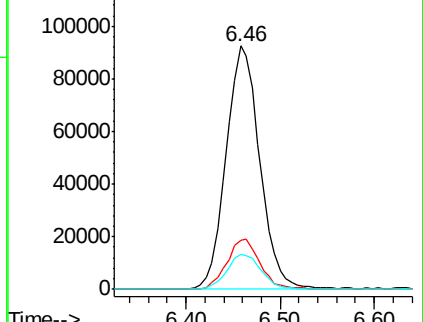
87 14.9 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.310 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006887.D

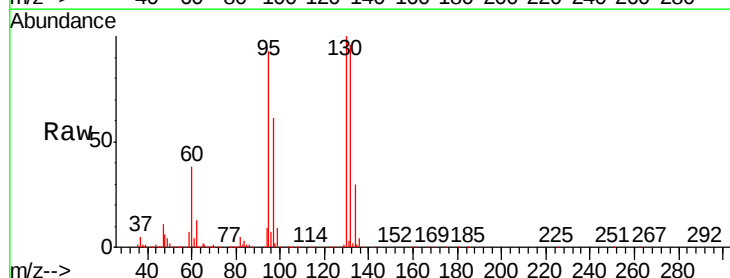
Acq: 03 Jan 2019 11:52

Tgt Ion: 130 Resp: 114307

Ion Ratio Lower Upper

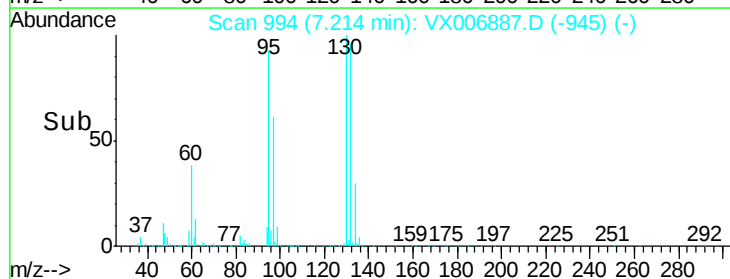
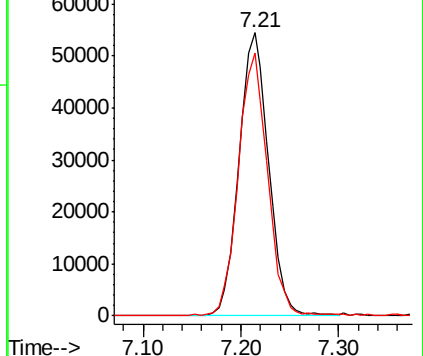
130 100

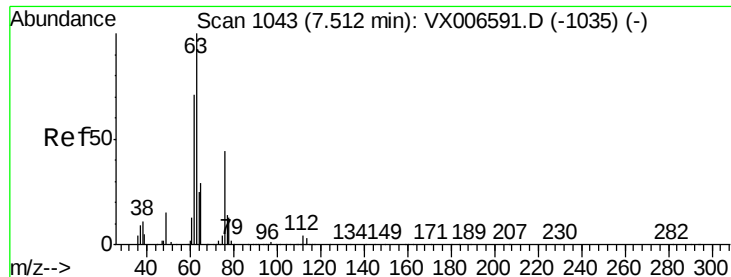
95 93.0 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.250 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

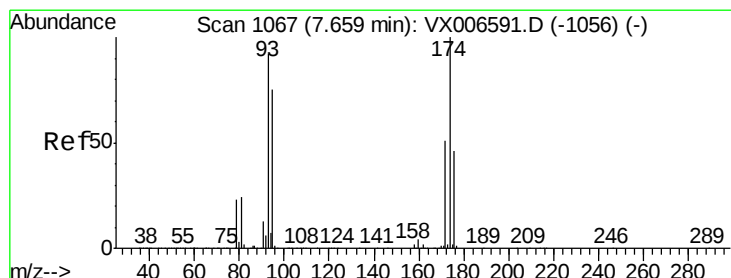
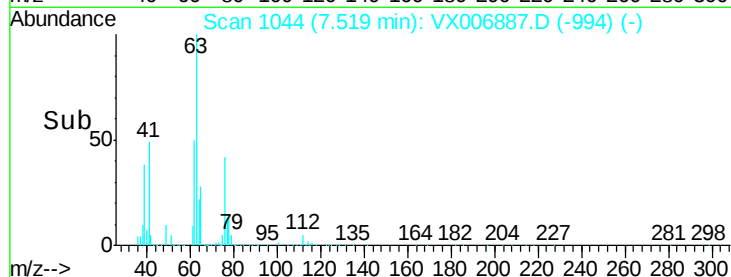
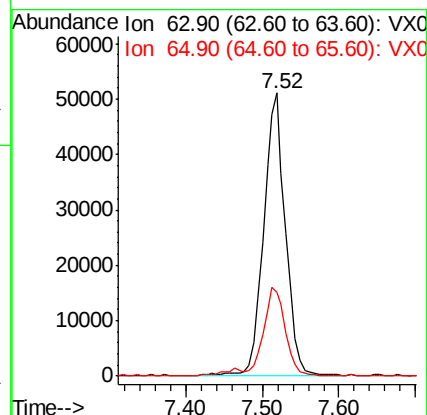
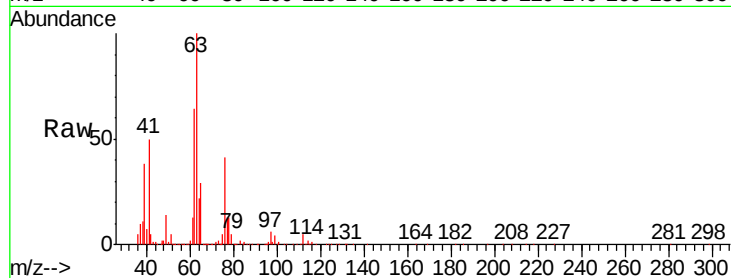
VX0103WBS01

Tgt Ion: 63 Resp: 101643

Ion Ratio Lower Upper

63 100

65 29.5 25.4 38.0



#46

Dibromomethane

Concen: 19.395 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

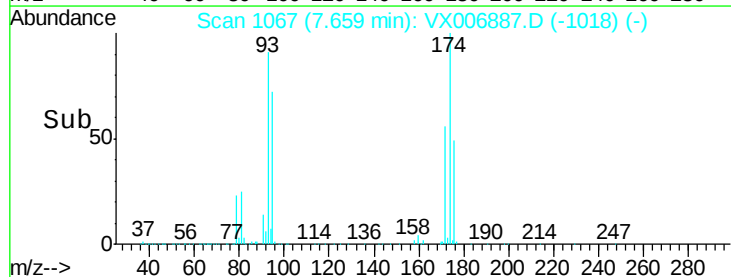
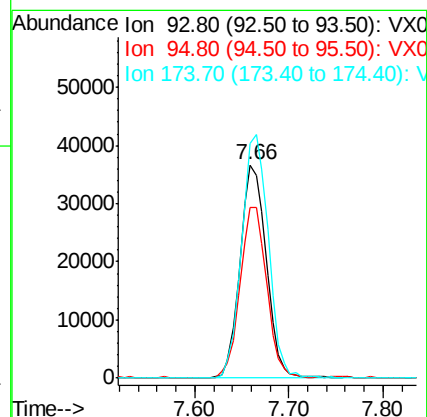
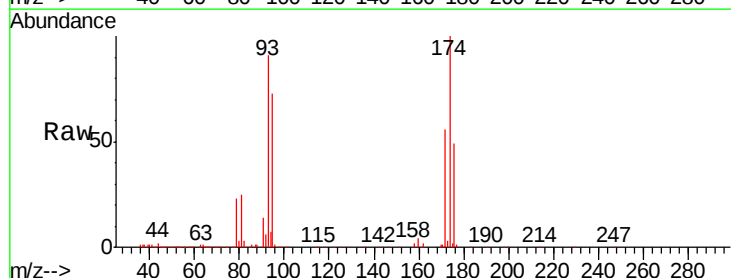
Tgt Ion: 93 Resp: 71607

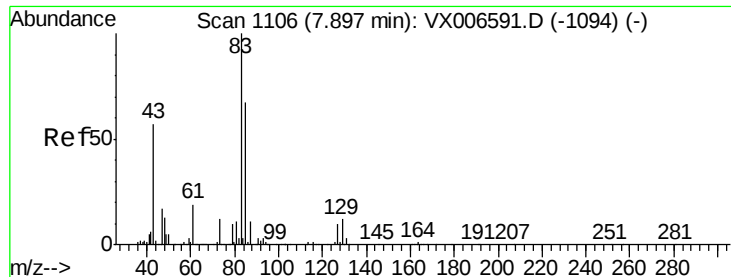
Ion Ratio Lower Upper

93 100

95 81.0 66.2 99.4

174 115.5 91.0 136.4





#47

Bromodichloromethane

Concen: 19.418 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

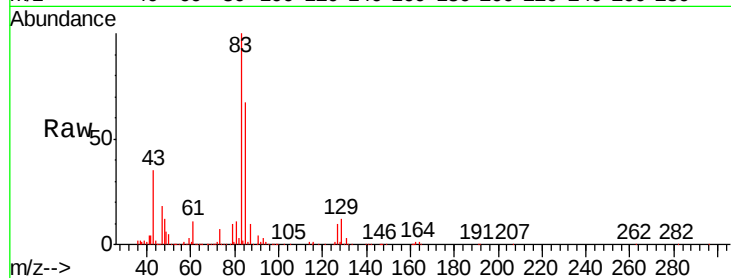
Tgt Ion: 83 Resp: 119026

Ion Ratio Lower Upper

83 100

85 66.7 53.2 79.8

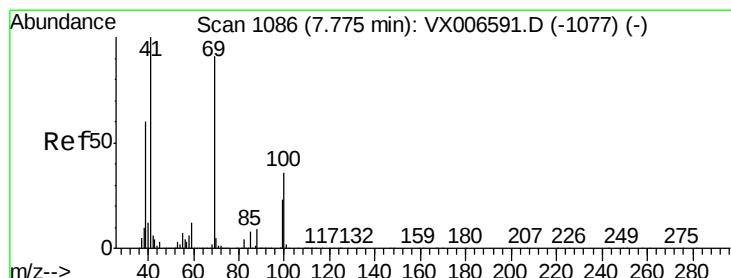
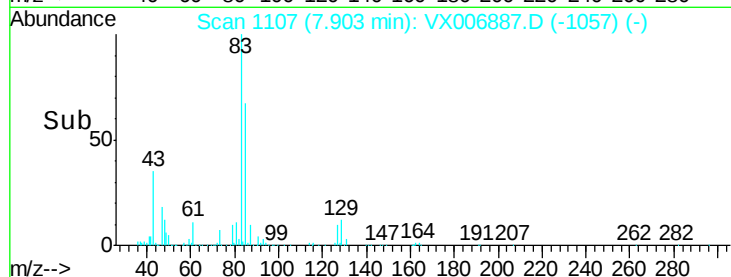
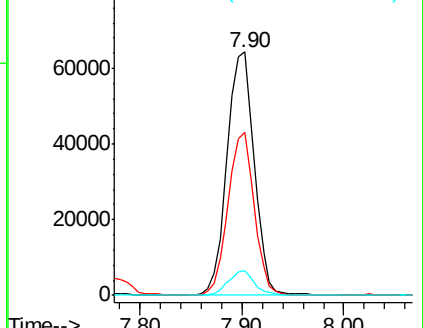
127 10.1 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.066 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

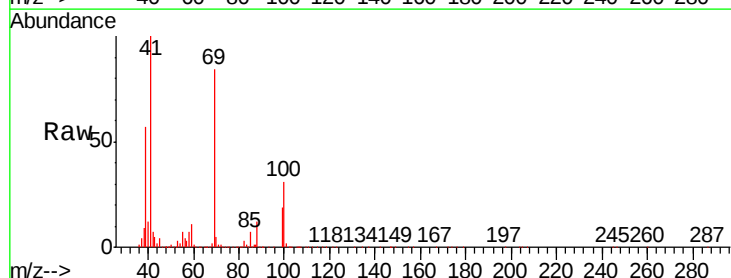
Tgt Ion: 41 Resp: 115119

Ion Ratio Lower Upper

41 100

69 86.5 72.4 108.6

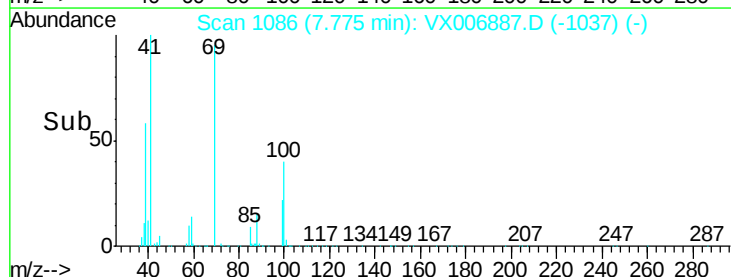
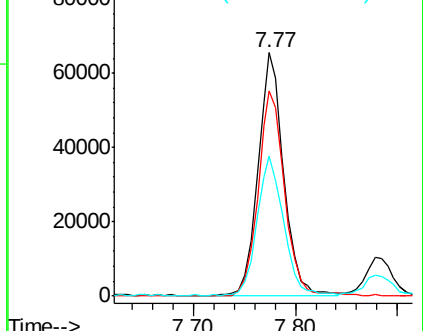
39 58.3 45.8 68.8



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: 374.872 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBS01

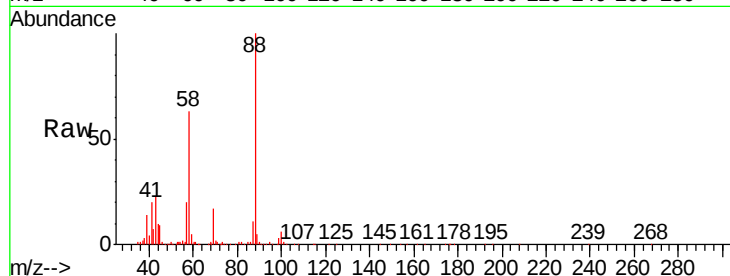
Tgt Ion: 88 Resp: 55377

Ion Ratio Lower Upper

88 100

43 27.2 22.2 33.4

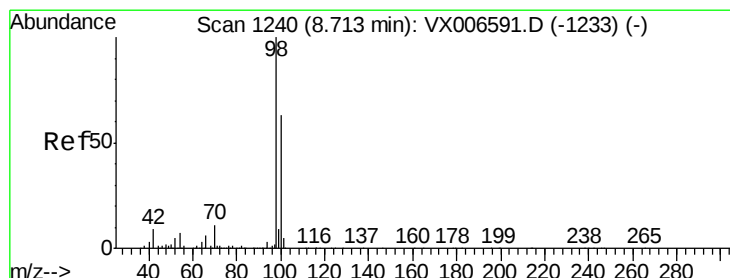
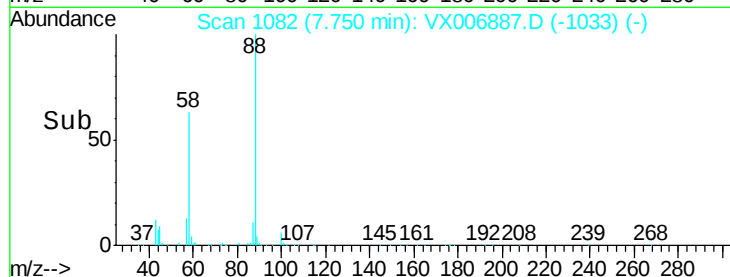
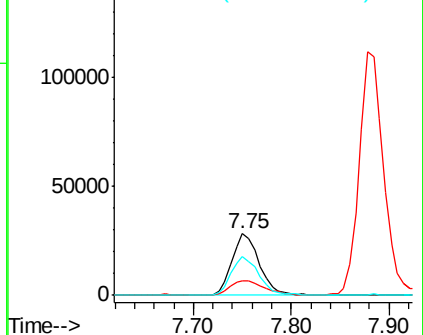
58 64.6 51.0 76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.842 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006887.D

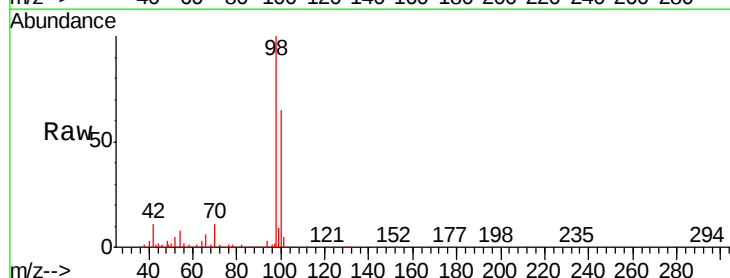
Acq: 03 Jan 2019 11:52

Tgt Ion: 98 Resp: 954021

Ion Ratio Lower Upper

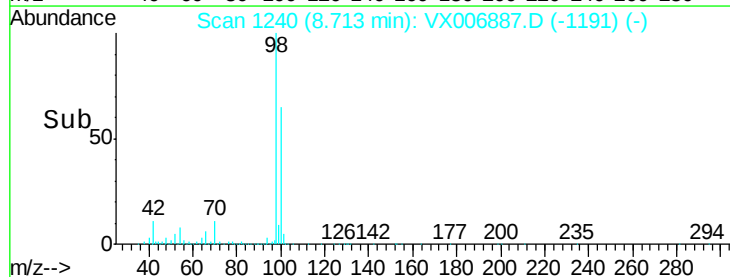
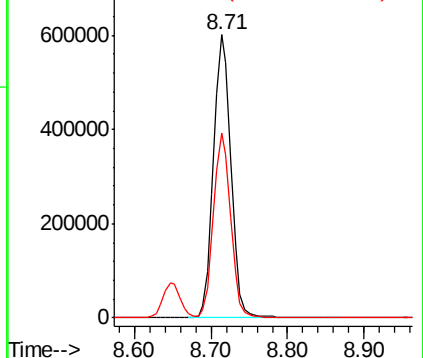
98 100

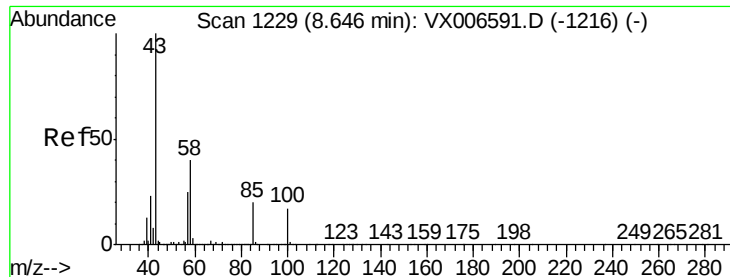
100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 106.758 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

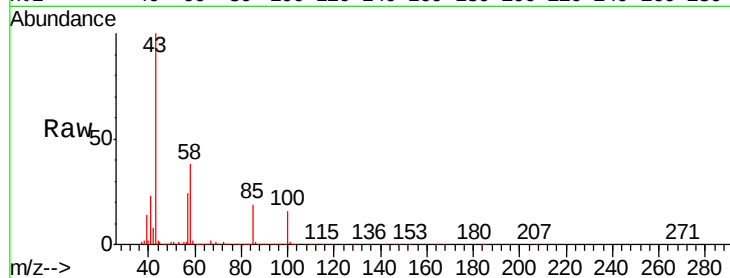
VX0103WBS01

Tgt Ion: 43 Resp: 729957

Ion Ratio Lower Upper

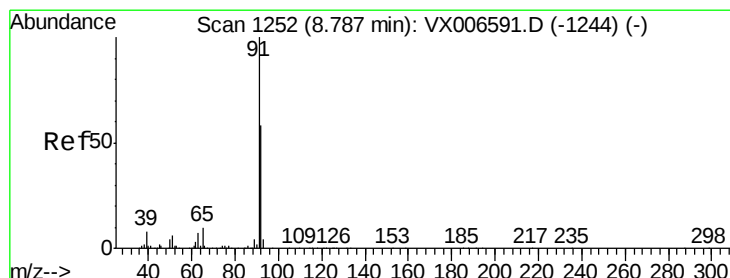
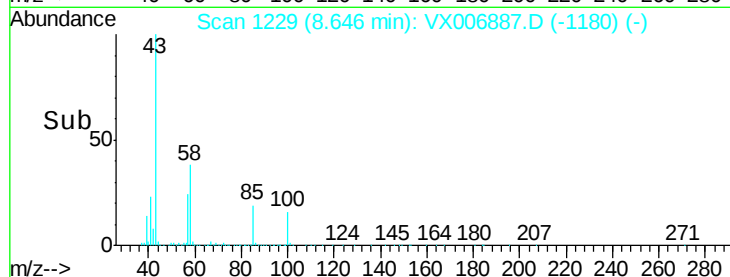
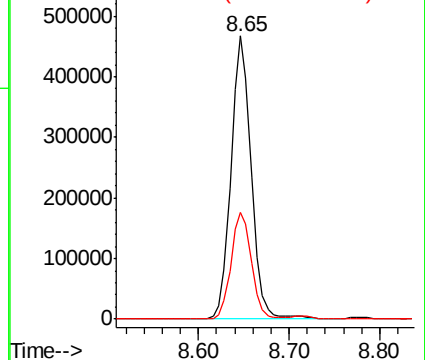
43 100

58 38.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.981 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006887.D

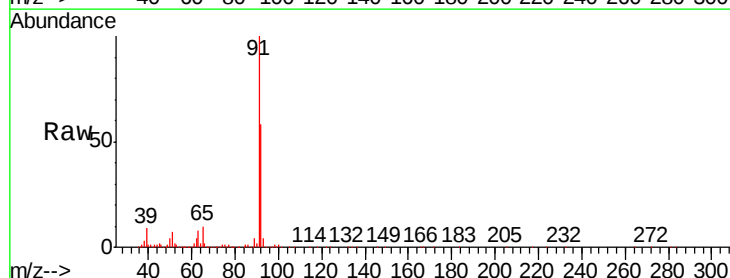
Acq: 03 Jan 2019 11:52

Tgt Ion: 92 Resp: 252936

Ion Ratio Lower Upper

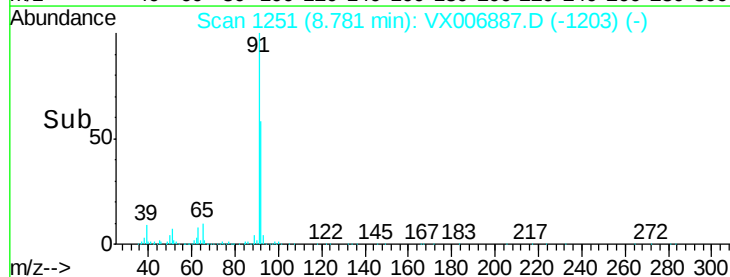
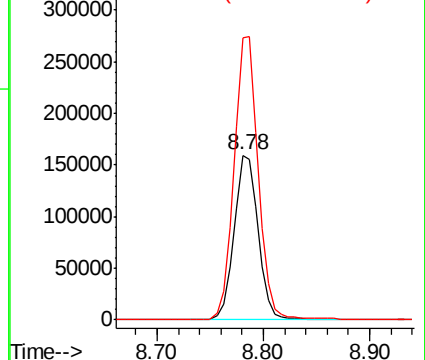
92 100

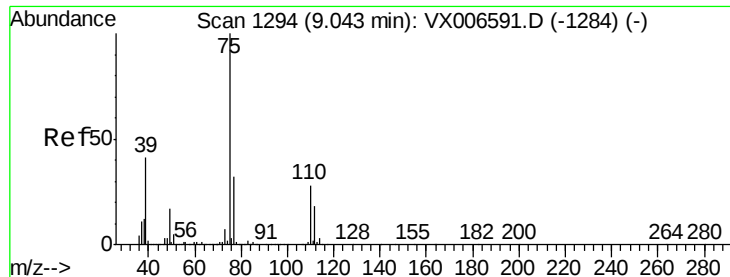
91 173.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.213 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

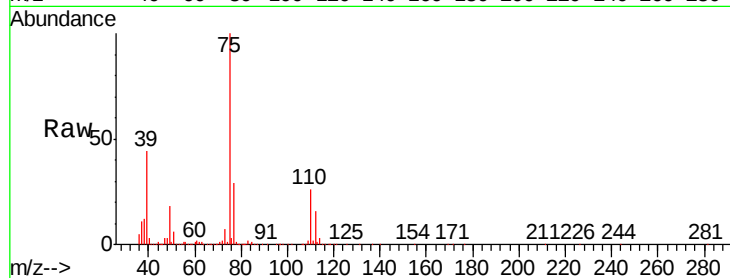
VX0103WBS01

Tgt Ion: 75 Resp: 132880

Ion Ratio Lower Upper

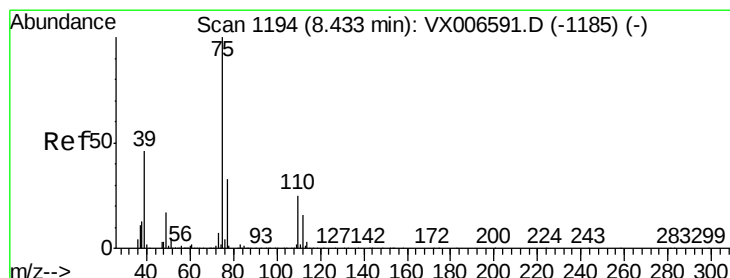
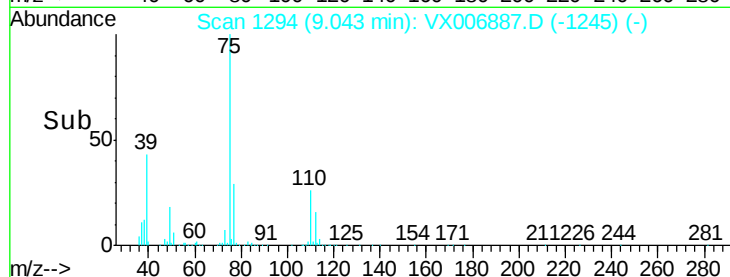
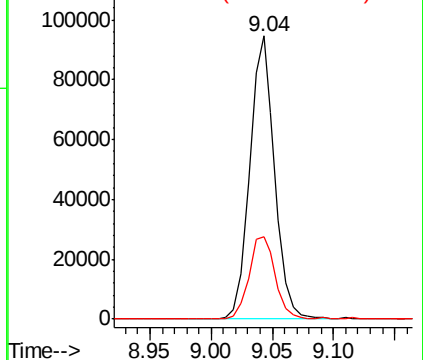
75 100

77 29.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.239 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006887.D

Acq: 03 Jan 2019 11:52

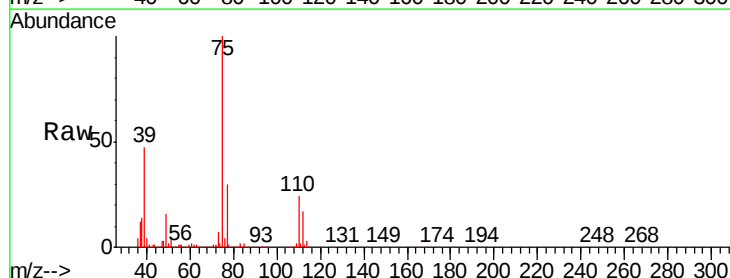
Tgt Ion: 75 Resp: 145991

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.2

39 47.3 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

