

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004331.D
 Acq On : 31 Aug 2018 17:27
 Operator : JC/MD
 Sample : VX0831MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Quant Time: Sep 01 04:30:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	306184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437029	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	196075	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	5.50	113	168556	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	8.71	98	625358	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.14	95	232363	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66469	18.74	ug/l	98
3) Chloromethane	1.32	50	73840	19.02	ug/l	98
4) Vinyl Chloride	1.40	62	77233	19.25	ug/l	97
5) Bromomethane	1.64	94	39589	18.75	ug/l	99
6) Chloroethane	1.72	64	52021	17.58	ug/l	95
7) Trichlorofluoromethane	1.93	101	102896	18.72	ug/l	94
8) Diethyl Ether	2.18	74	46908	19.93	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65519	19.03	ug/l	99
10) Methyl Iodide	2.51	142	64615	19.48	ug/l	98
11) Tert butyl alcohol	3.07	59	86786	102.02	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60436	18.63	ug/l	93
13) Acrolein	2.29	56	48769	237.80	ug/l	98
14) Allyl chloride	2.73	41	119389	20.03	ug/l	96
15) Acrylonitrile	3.15	53	213827	101.50	ug/l	100
16) Acetone	2.45	43	183496	108.05	ug/l	100
17) Carbon Disulfide	2.57	76	151274	17.32	ug/l	100
18) Methyl Acetate	2.78	43	148336	25.05	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	211406	19.78	ug/l	96
20) Methylene Chloride	2.85	84	72272	18.81	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	65613	18.28	ug/l	98
22) Diisopropyl ether	3.87	45	221604	19.92	ug/l	93
23) Vinyl Acetate	3.82	43	840839	93.24	ug/l	100
24) 1,1-Dichloroethane	3.69	63	127697	19.69	ug/l	99
25) 2-Butanone	4.70	43	276926	101.87	ug/l	97
26) 2,2-Dichloropropane	4.58	77	96758	19.02	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	75608	18.57	ug/l	99
28) Bromochloromethane	5.01	49	60386	21.03	ug/l	97
29) Tetrahydrofuran	5.16	42	173816	101.37	ug/l	99
30) Chloroform	5.21	83	128539	19.77	ug/l	100
31) Cyclohexane	5.57	56	102353	18.29	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	106051	19.56	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90992	18.52	ug/l	99
37) Ethyl Acetate	4.86	43	96039	19.88	ug/l	100
38) Carbon Tetrachloride	5.78	117	89751	19.42	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103499	18.45	ug/l	99
40) Benzene	6.14	78	289313	19.71	ug/l	99
41) Methacrylonitrile	5.06	41	56823	20.29	ug/l	99
42) 1,2-Dichloroethane	6.20	62	98846	19.74	ug/l	99
43) Isopropyl Acetate	6.46	43	145999	19.66	ug/l	99
44) Trichloroethene	7.21	130	75516	18.58	ug/l	96
45) 1,2-Dichloropropane	7.52	63	74239	20.20	ug/l	98
46) Dibromomethane	7.66	93	48493	19.82	ug/l	99
47) Bromodichloromethane	7.90	83	91789	20.16	ug/l	99
48) Methyl methacrylate	7.78	41	79627	20.04	ug/l	99
49) 1,4-Dioxane	7.76	88	38706	429.10	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	530738	98.38	ug/l	99
52) Toluene	8.79	92	181533	19.75	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	97154	19.32	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	109753	20.04	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	76537	20.63	ug/l	98
56) Ethyl methacrylate	9.18	69	99337	19.67	ug/l	99
57) 1,3-Dichloropropane	9.37	76	127318	20.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	295122	114.05	ug/l	99
59) 2-Hexanone	9.50	43	403557	98.05	ug/l	99
60) Dibromochloromethane	9.59	129	71729	19.85	ug/l	100
61) 1,2-Dibromoethane	9.67	107	76656	19.97	ug/l	100
64) Tetrachloroethene	9.34	164	80931	19.92	ug/l	100
65) Chlorobenzene	10.14	112	194903	18.88	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	70445	19.79	ug/l	98
67) Ethyl Benzene	10.25	91	322240	19.22	ug/l	95
68) m/p-Xylenes	10.36	106	250009	38.15	ug/l	99
69) o-Xylene	10.70	106	121596	19.61	ug/l	99
70) Styrene	10.71	104	205104	20.43	ug/l	98
71) Bromoform	10.86	173	53544	18.66	ug/l	# 99
73) Isopropylbenzene	11.02	105	343609	20.95	ug/l	100
74) N-amyl acetate	10.90	43	119654	18.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	116457	20.29	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	128242	25.25	ug/l	86
77) Bromobenzene	11.26	156	92370	20.08	ug/l	99
78) n-propylbenzene	11.36	91	390633	20.71	ug/l	100
79) 2-Chlorotoluene	11.42	91	235242	20.26	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	283896	20.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29374	18.76	ug/l	96
82) 4-Chlorotoluene	11.51	91	274510	20.09	ug/l	100
83) tert-Butylbenzene	11.77	119	281865	20.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	293571	21.05	ug/l	99
85) sec-Butylbenzene	11.94	105	343275	21.16	ug/l	100
86) p-Isopropyltoluene	12.07	119	309491	21.28	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	169139	19.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	173615	19.01	ug/l	99
89) n-Butylbenzene	12.39	91	236068	19.96	ug/l	98
90) Hexachloroethane	12.60	117	41822	20.58	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	162145	20.48	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19541	19.33	ug/l	99

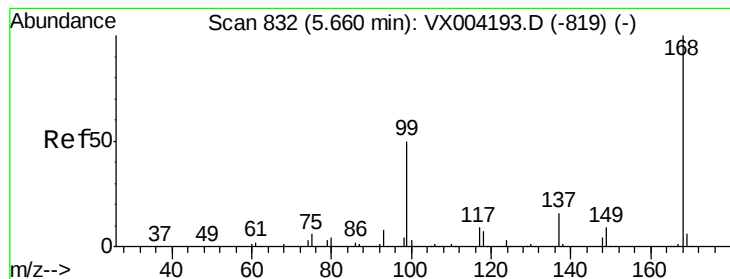
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109093	18.94	ug/l	97
94) Hexachlorobutadiene	13.79	225	61582	22.90	ug/l	97
95) Naphthalene	13.83	128	339211	20.82	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	124509	20.42	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

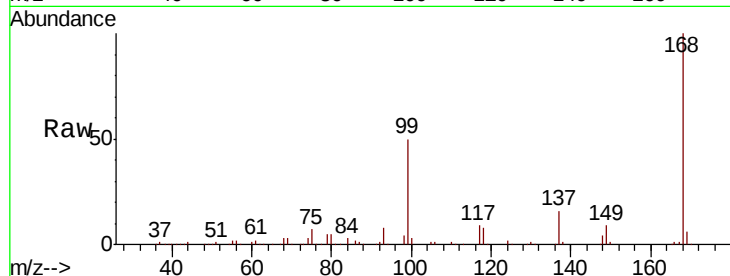
VX0831MBS01

Tot Ion:168 Resp: 306184

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

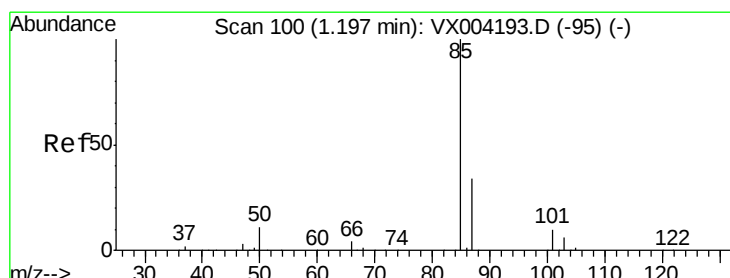
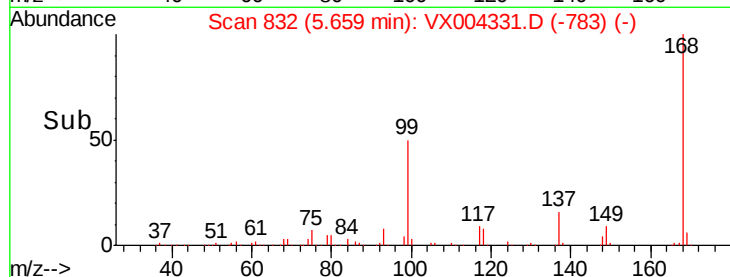
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.74 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004331.D

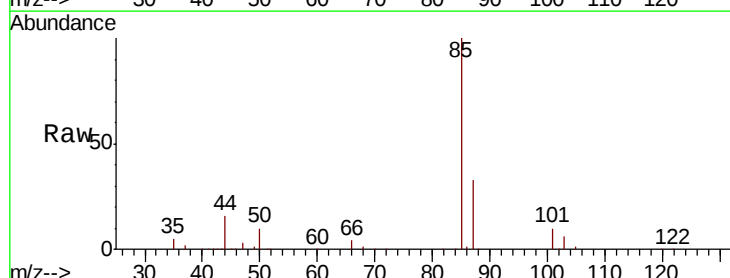
Acq: 31 Aug 2018 17:27

Tgt Ion: 85 Resp: 66469

Ion Ratio Lower Upper

85 100

87 32.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

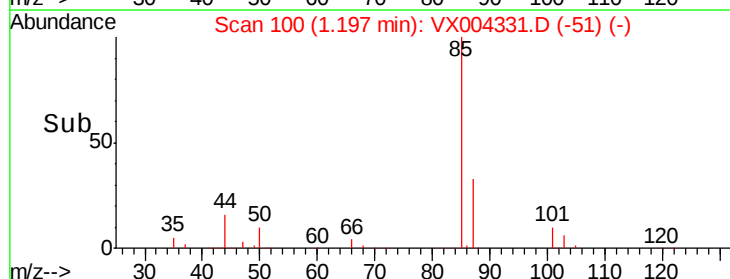
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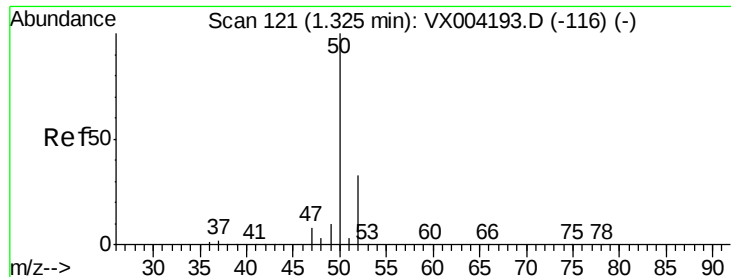
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.02 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

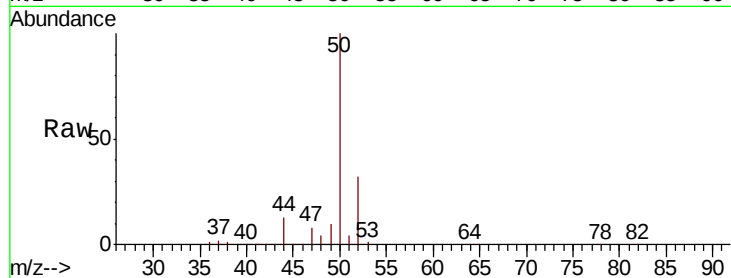
VX0831MBS01

Tot Ion: 50 Resp: 73840

Ion Ratio Lower Upper

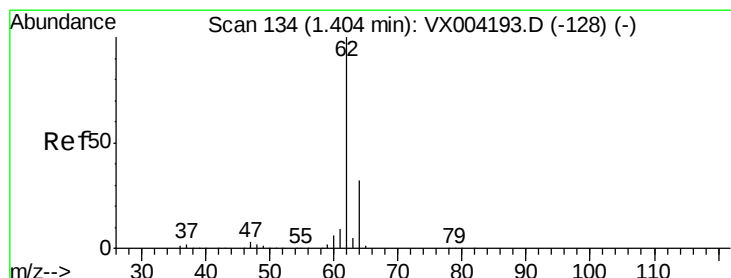
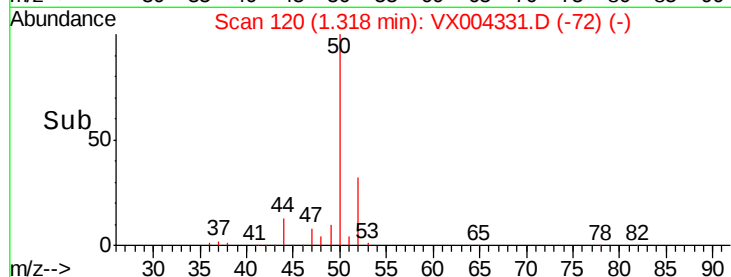
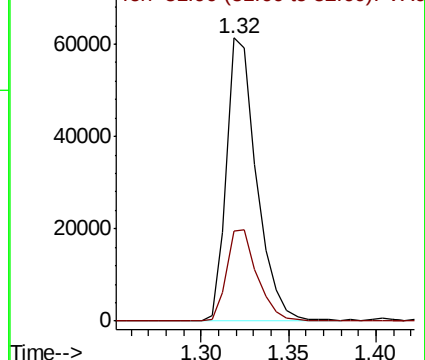
50 100

52 31.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004331.D

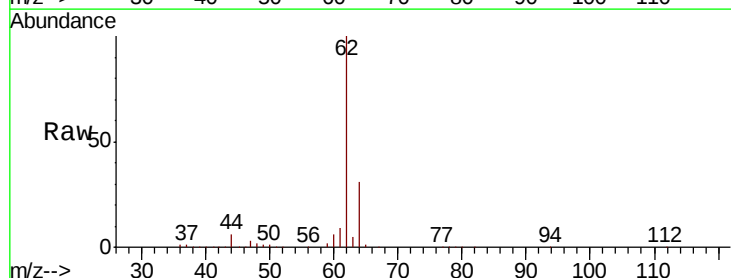
Acq: 31 Aug 2018 17:27

Tgt Ion: 62 Resp: 77233

Ion Ratio Lower Upper

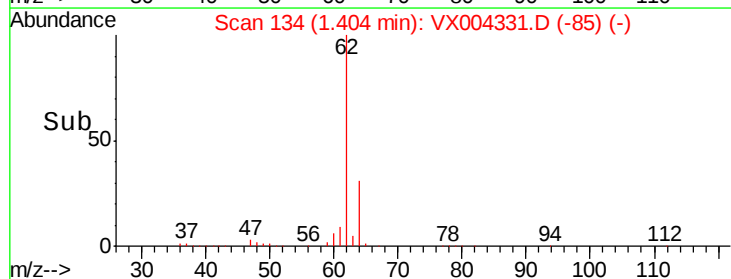
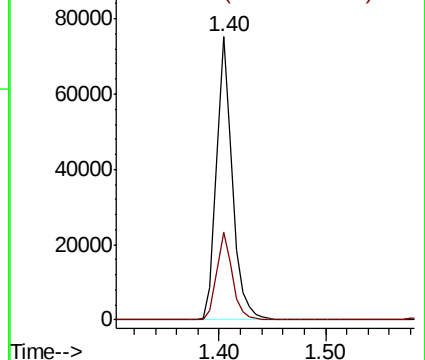
62 100

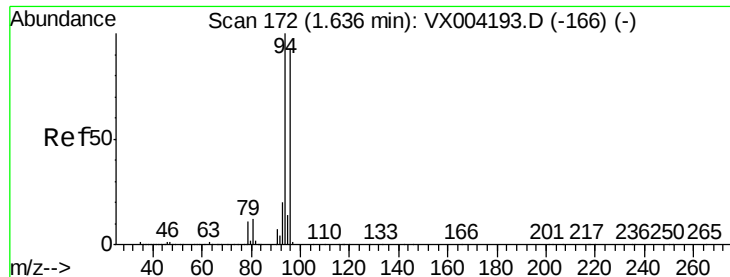
64 30.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.75 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

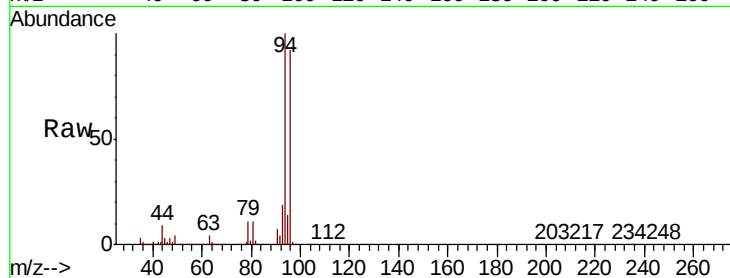
VX0831MBS01

Tot Ion: 94 Resp: 39589

Ion Ratio Lower Upper

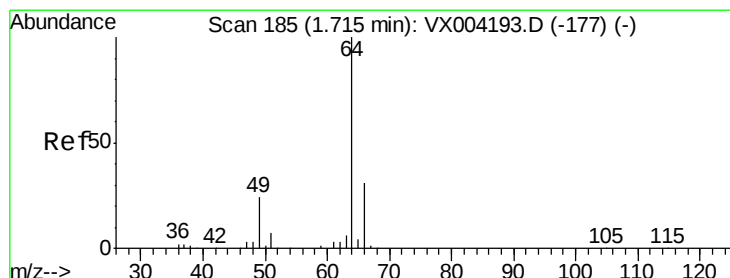
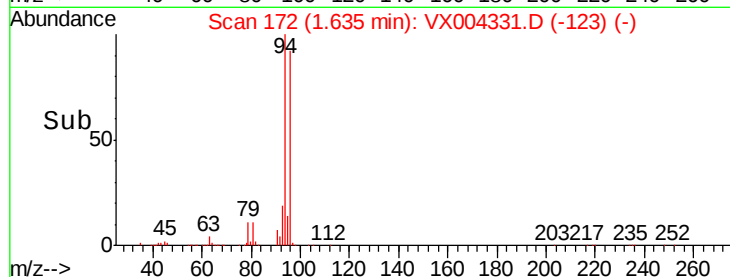
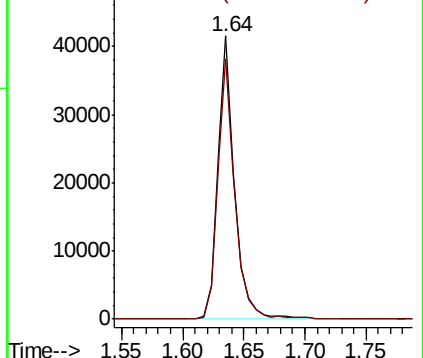
94 100

96 92.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.58 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004331.D

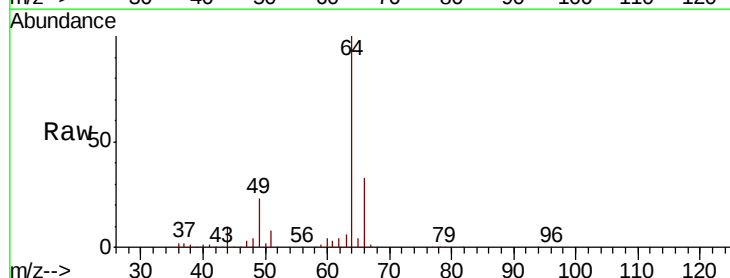
Acq: 31 Aug 2018 17:27

Tgt Ion: 64 Resp: 52021

Ion Ratio Lower Upper

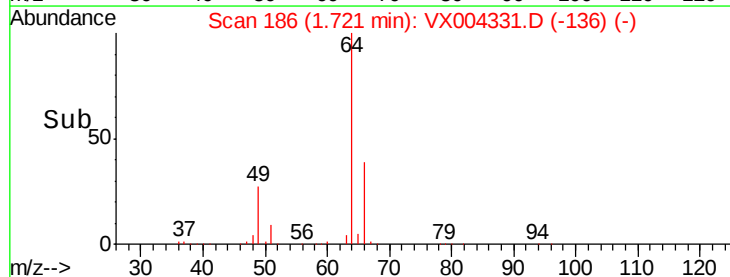
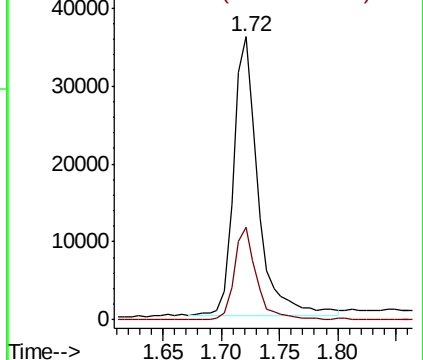
64 100

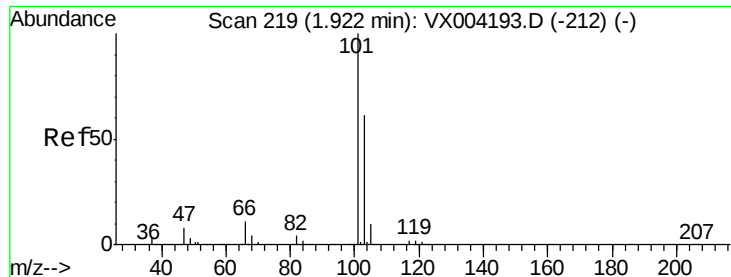
66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 18.72 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

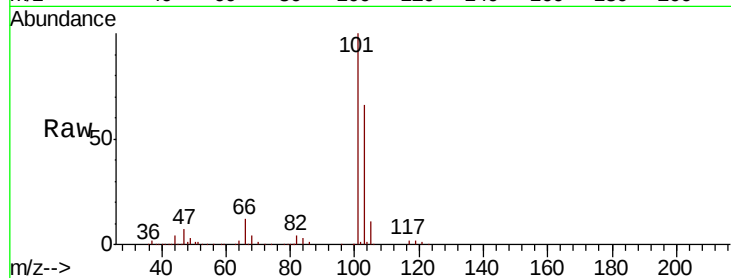
VX0831MBS01

Tot Ion:101 Resp: 102896

Ion Ratio Lower Upper

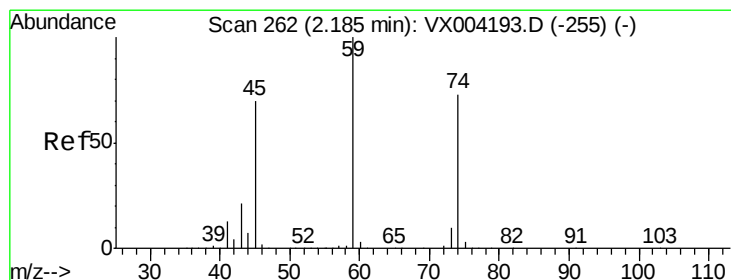
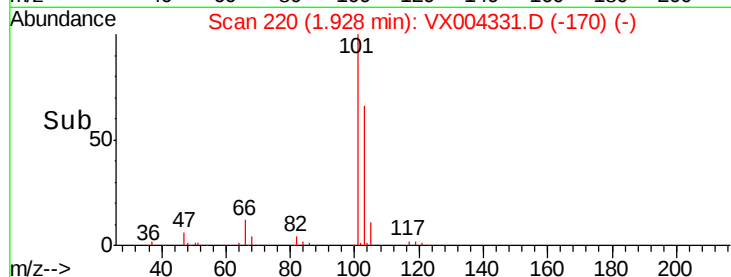
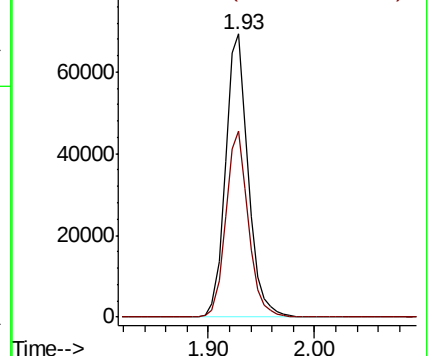
101 100

103 65.9 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.93 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004331.D

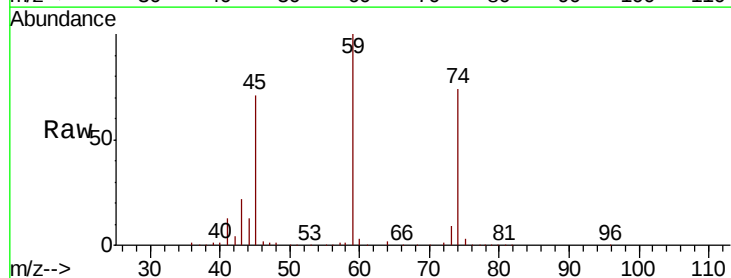
Acq: 31 Aug 2018 17:27

Tgt Ion: 74 Resp: 46908

Ion Ratio Lower Upper

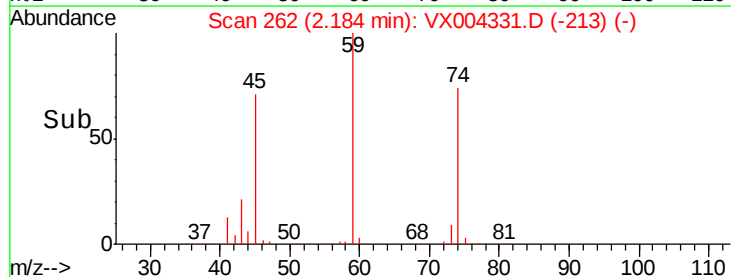
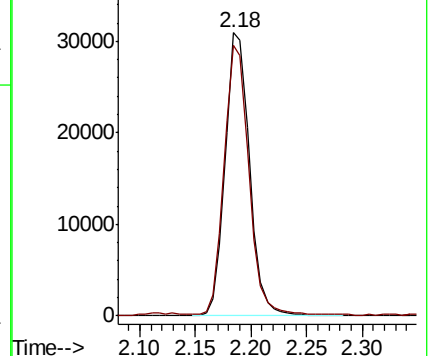
74 100

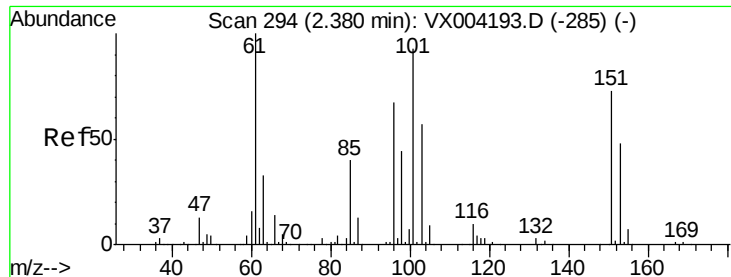
45 96.8 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.03 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

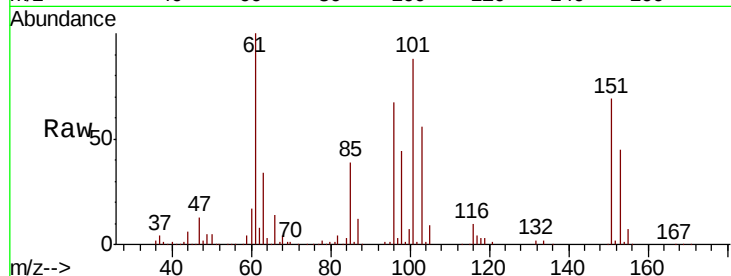
Tot Ion:101 Resp: 65519

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

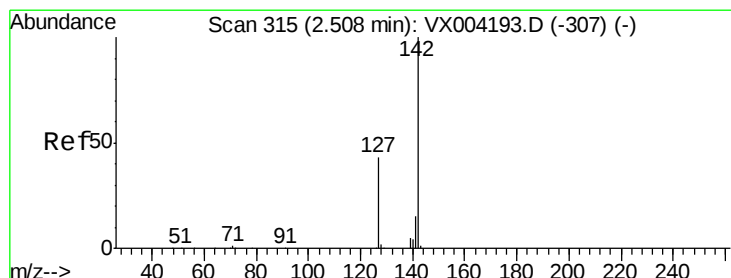
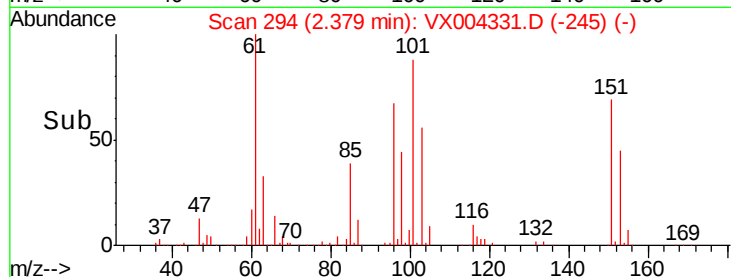
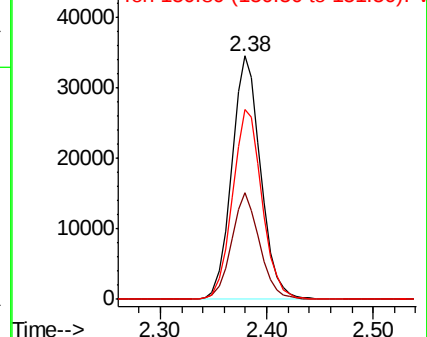
151 79.8 65.0 97.6



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: 19.48 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

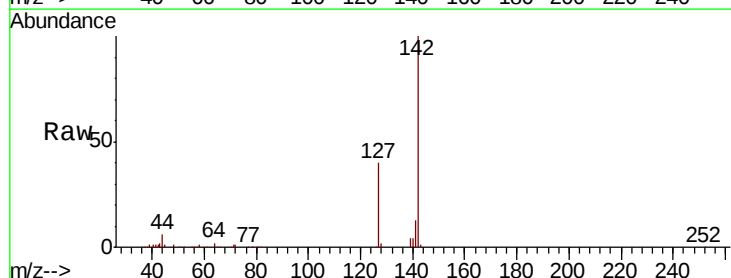
Tgt Ion:142 Resp: 64615

Ion Ratio Lower Upper

142 100

127 40.7 33.8 50.6

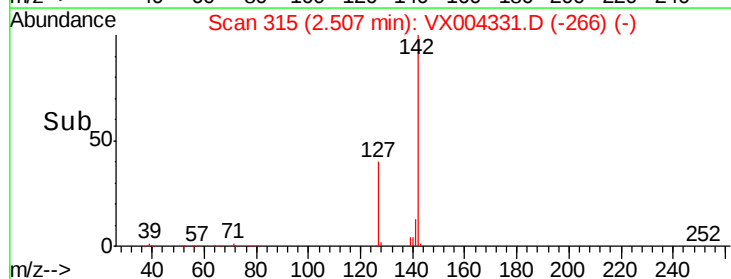
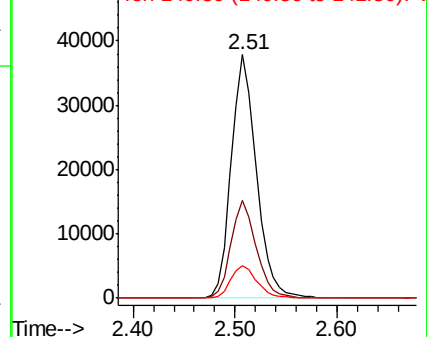
141 14.0 11.4 17.0

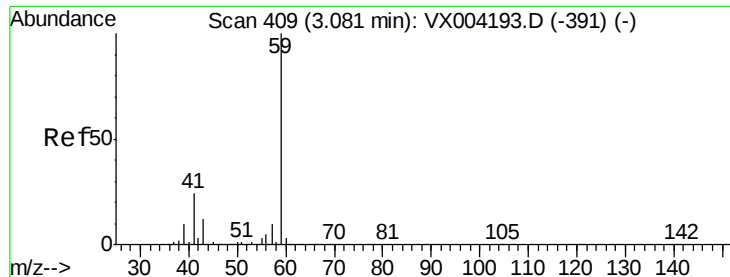


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

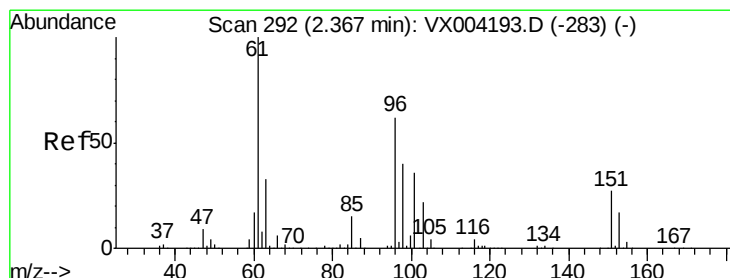
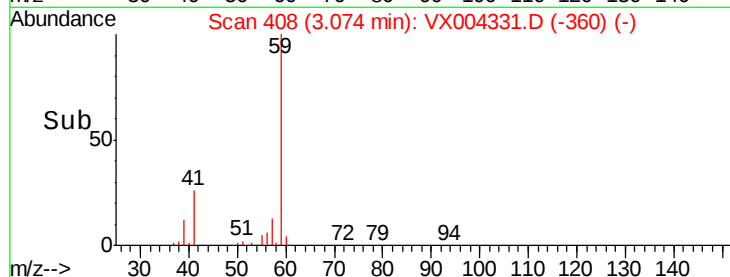
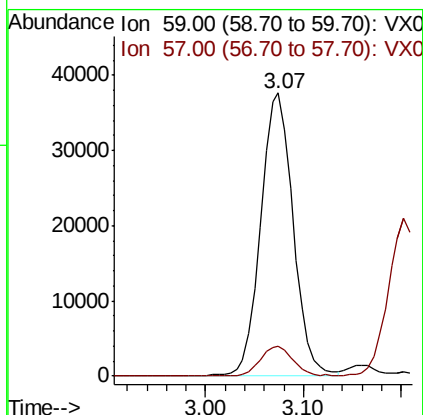
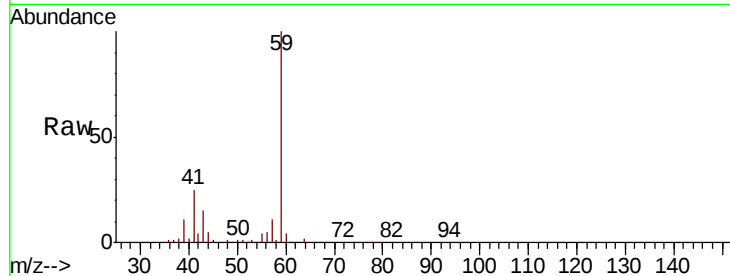




#11
Tert butyl alcohol
Concen: 102.02 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

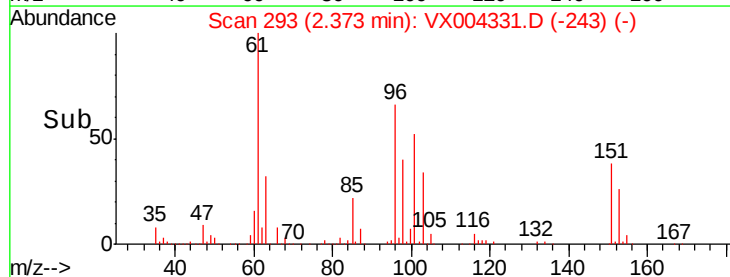
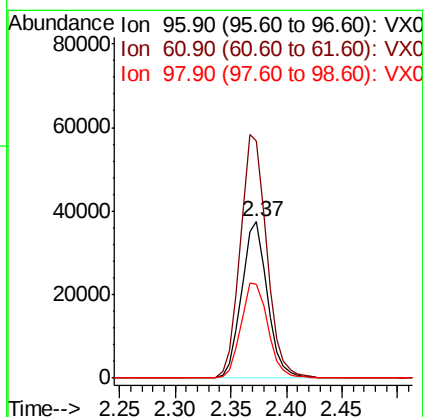
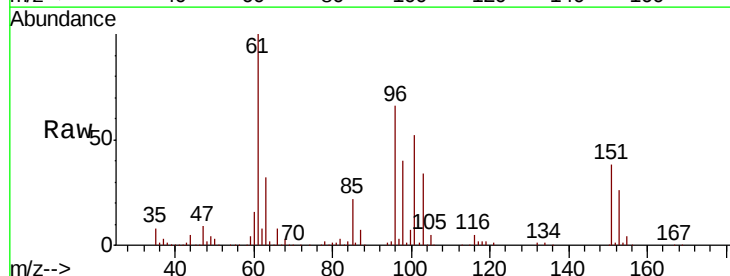
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

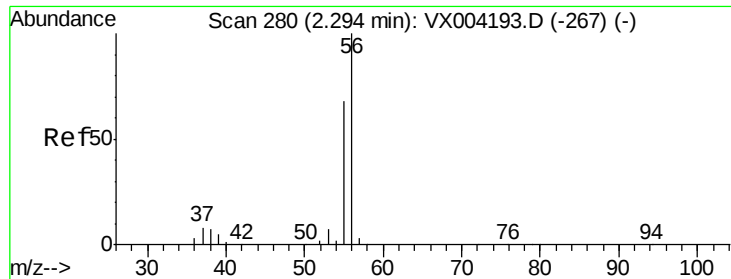
Tot Ion: 59 Resp: 86786
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.63 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 96 Resp: 60436
Ion Ratio Lower Upper
96 100
61 152.0 128.8 193.2
98 60.1 52.2 78.2

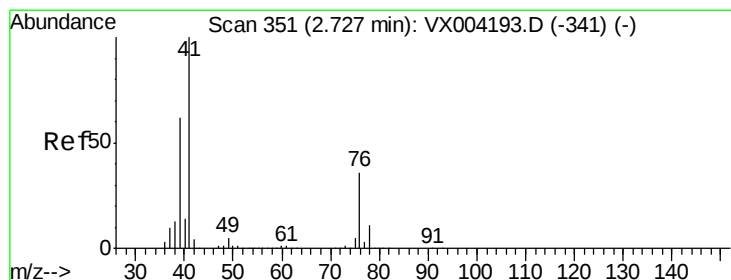
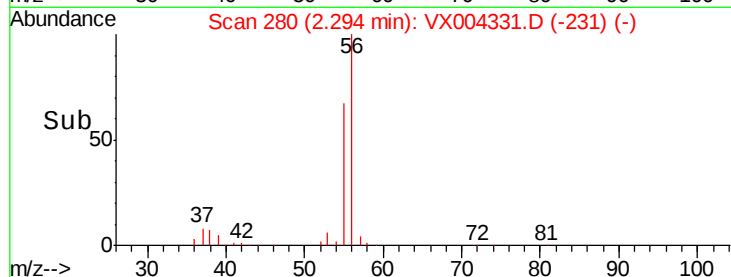
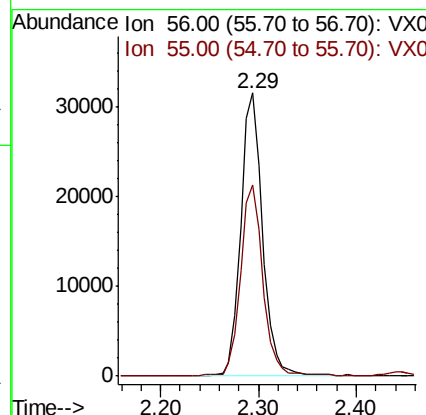
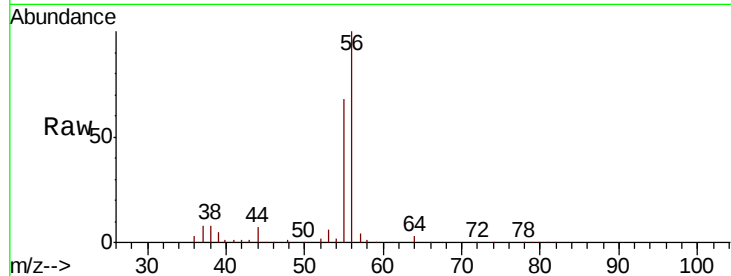




#13
 Acrolein
 Concen: 237.80 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

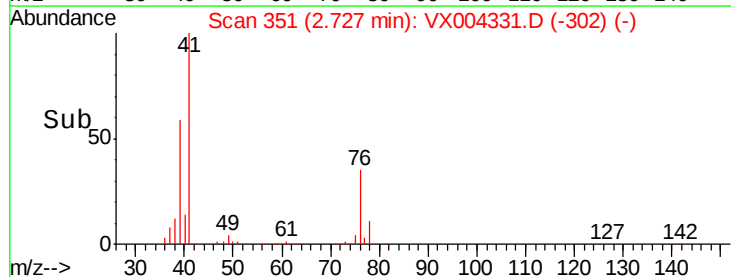
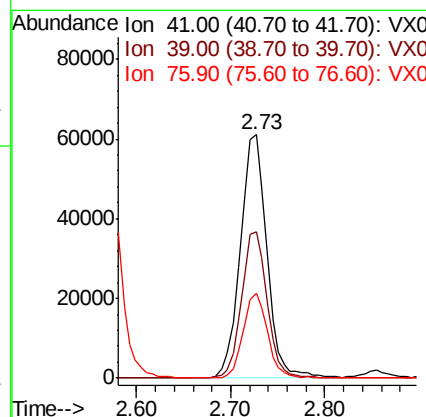
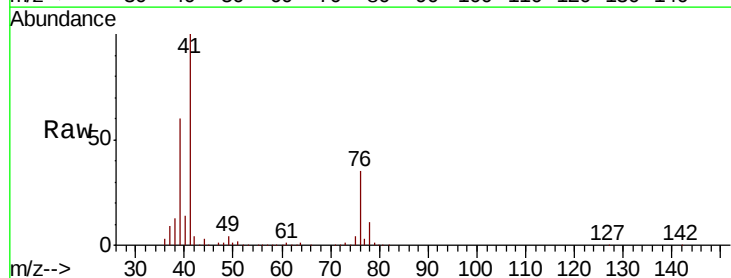
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion: 56 Resp: 48769
 Ion Ratio Lower Upper
 56 100
 55 69.7 54.7 82.1



#14
 Allyl chloride
 Concen: 20.03 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion: 41 Resp: 119389
 Ion Ratio Lower Upper
 41 100
 39 57.6 48.9 73.3
 76 32.3 26.7 40.1





#15

Acrylonitrile

Concen: 101.50 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

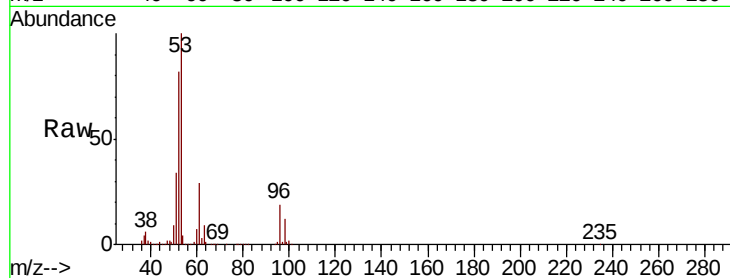
Tot Ion: 53 Resp: 213827

Ion Ratio Lower Upper

53 100

52 82.0 65.2 97.8

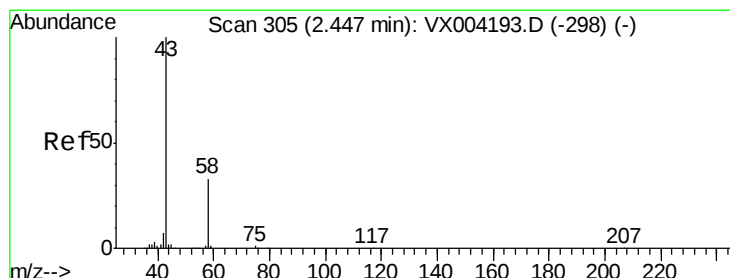
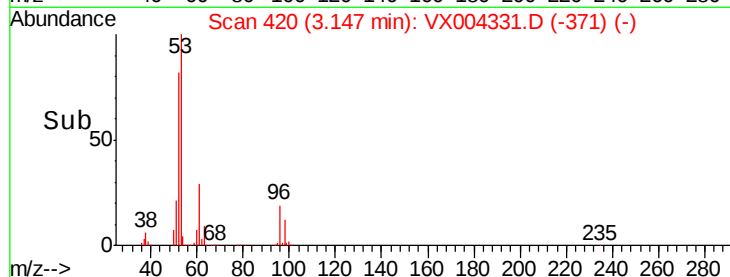
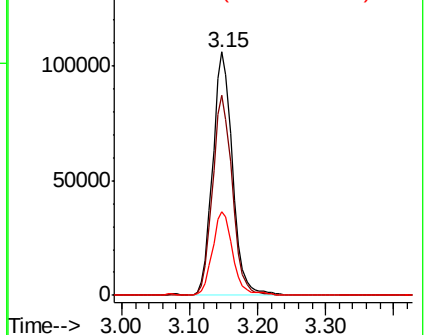
51 35.2 28.2 42.2



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: 108.05 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004331.D

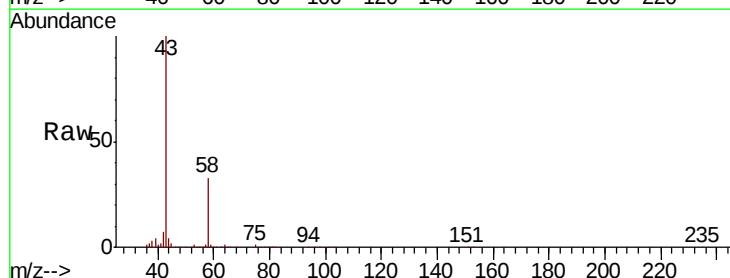
Acq: 31 Aug 2018 17:27

Tgt Ion: 43 Resp: 183496

Ion Ratio Lower Upper

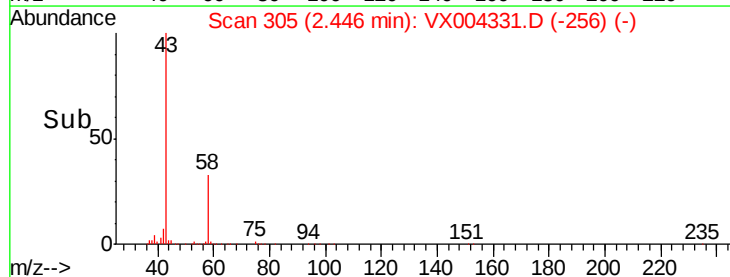
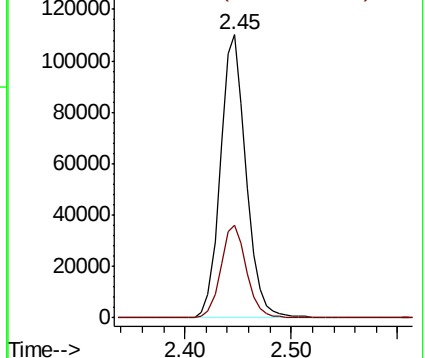
43 100

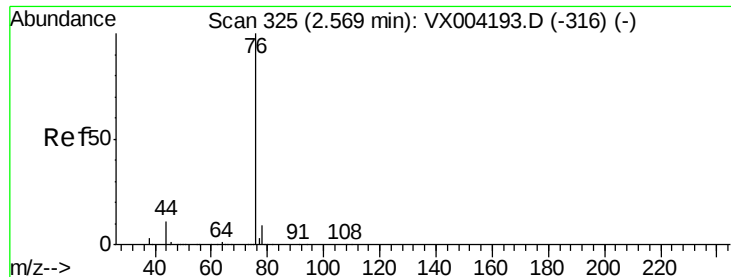
58 32.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

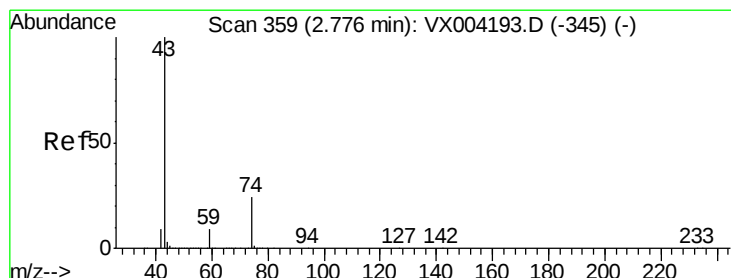
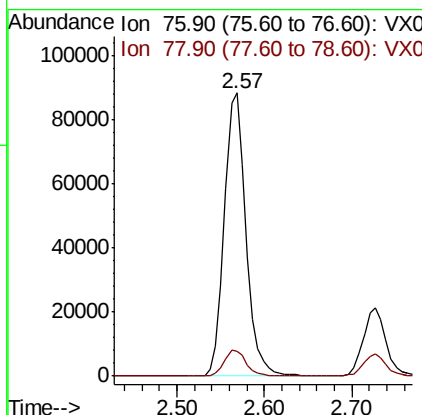
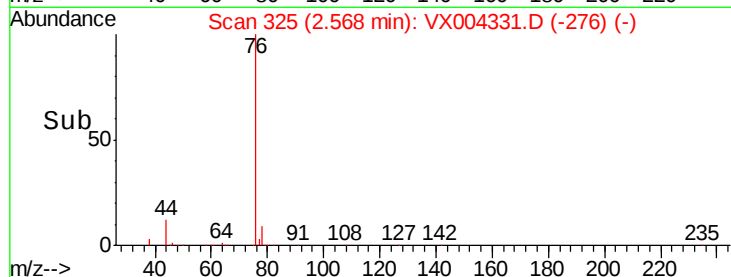
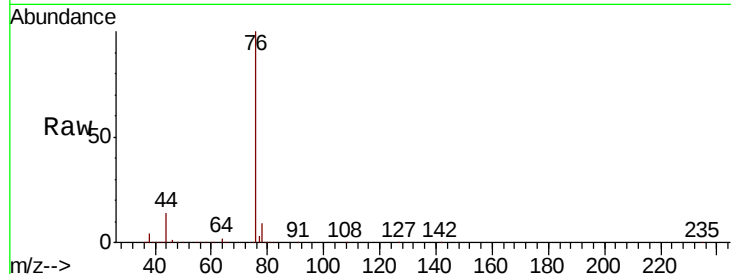




#17
Carbon Disulfide
Concen: 17.32 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

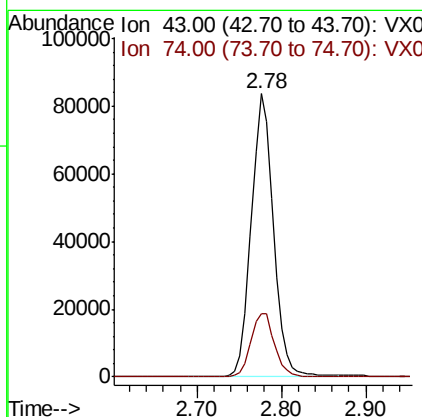
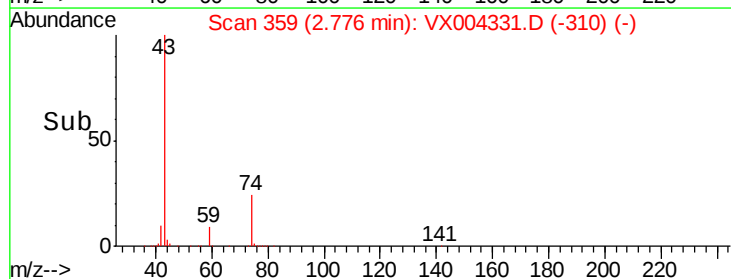
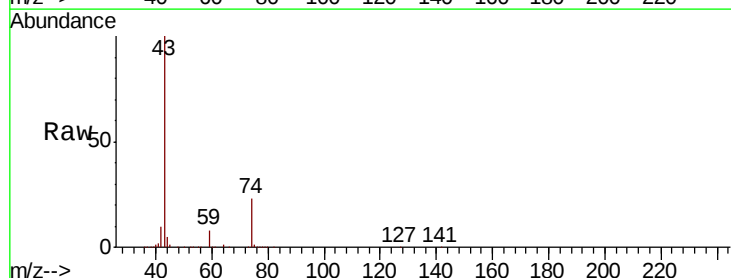
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

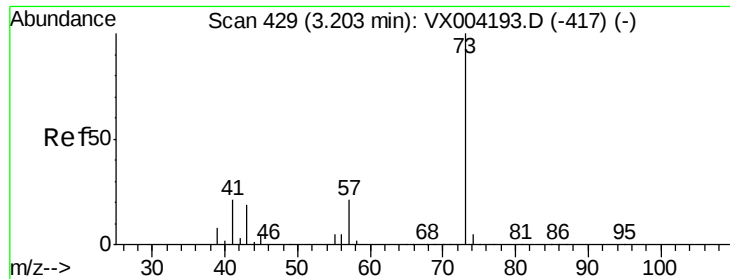
Tot Ion: 76 Resp: 151274
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 25.05 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 43 Resp: 148336
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2

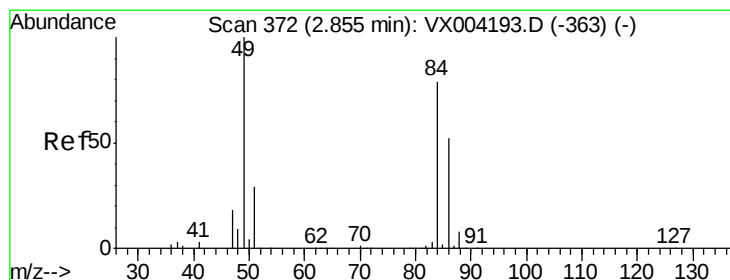
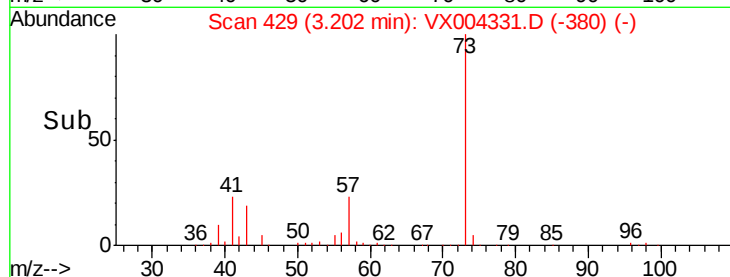
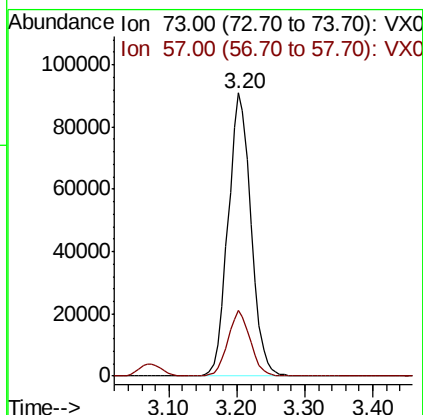
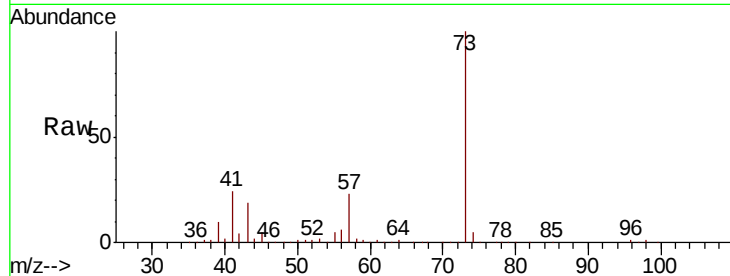




#19
Methvl tert-butvl Ether
Concen: 19.78 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

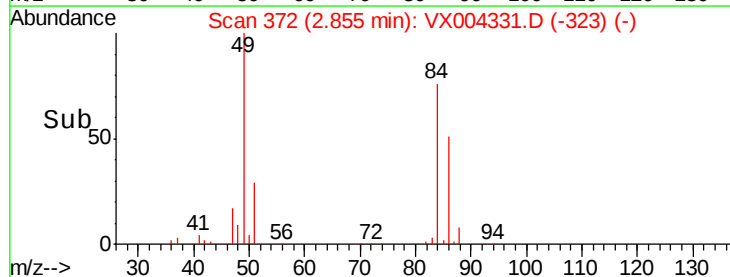
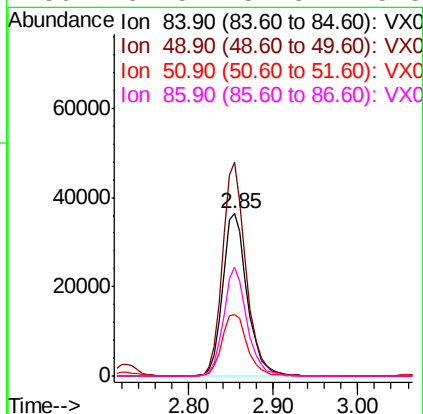
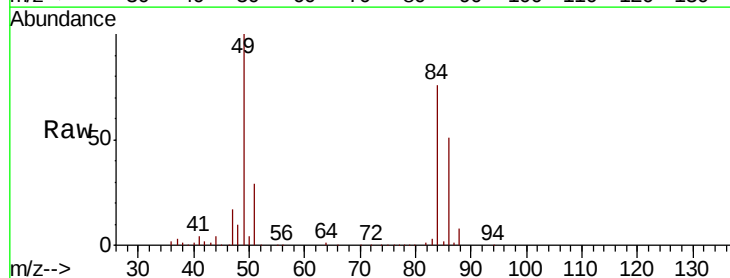
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

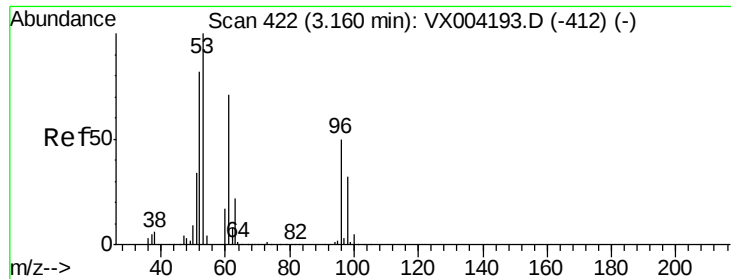
Tot Ion: 73 Resp: 211406
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7



#20
Methylene Chloride
Concen: 18.81 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 84 Resp: 72272
Ion Ratio Lower Upper
84 100
49 131.9 101.2 151.8
51 37.9 29.5 44.3
86 67.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.28 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

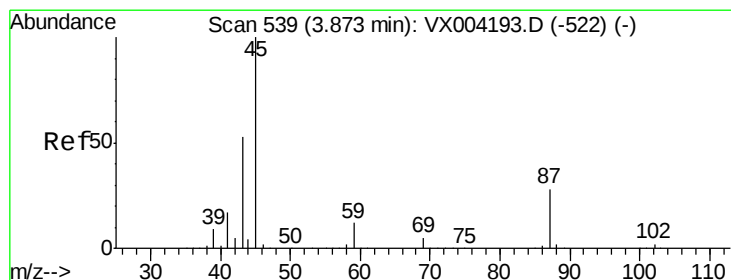
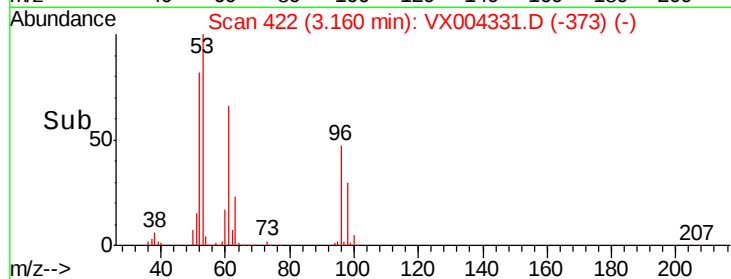
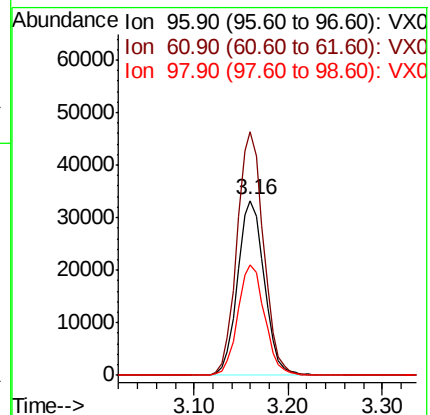
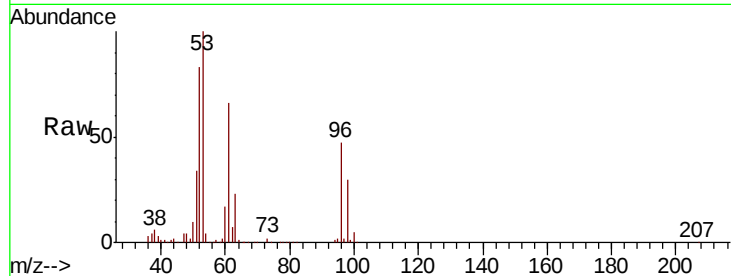
Tot Ion: 96 Resp: 65613

Ion Ratio Lower Upper

96 100

61 139.3 113.8 170.6

98 63.1 51.8 77.8



#22

Diisopropyl ether

Concen: 19.92 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion: 45 Resp: 221604

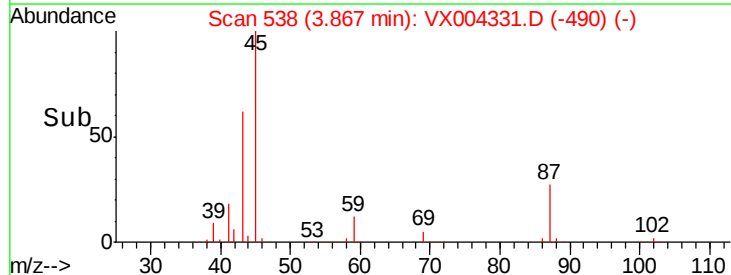
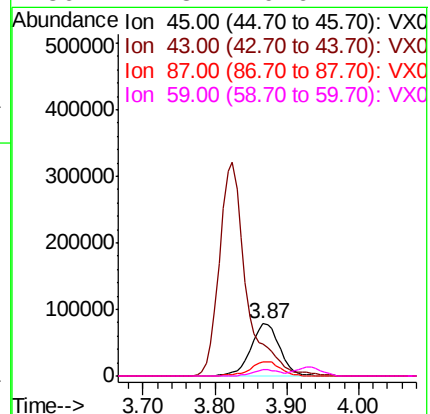
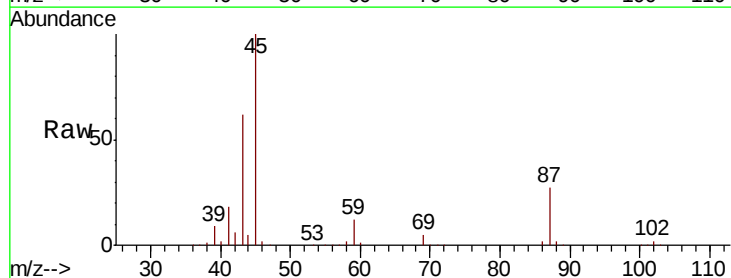
Ion Ratio Lower Upper

45 100

43 60.9 42.8 64.2

87 27.1 22.6 34.0

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 93.24 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

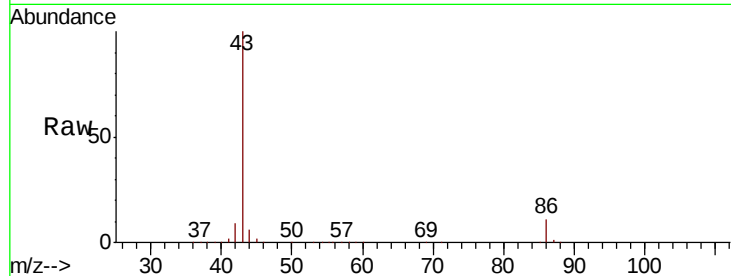
VX0831MBS01

Tot Ion: 43 Resp: 840839

Ion Ratio Lower Upper

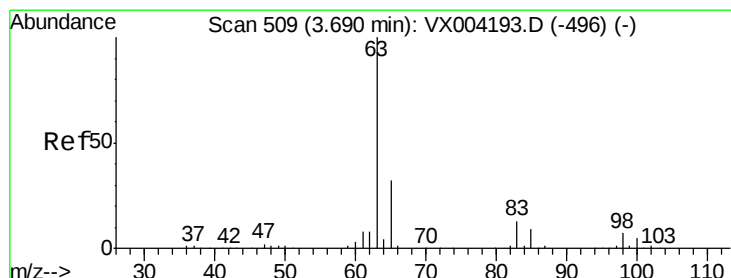
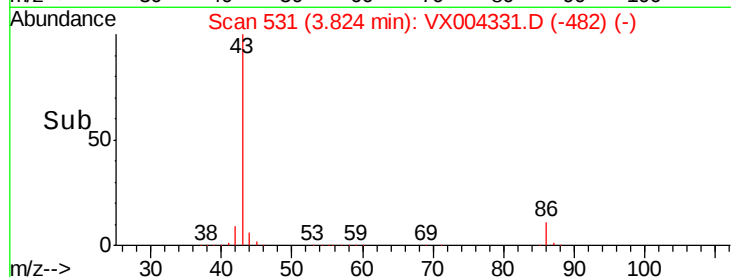
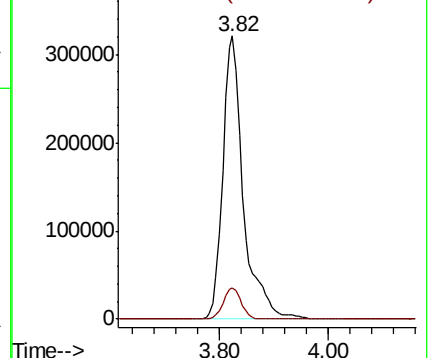
43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.69 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

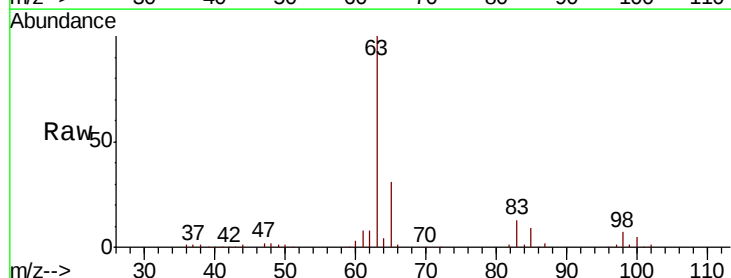
Tgt Ion: 63 Resp: 127697

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

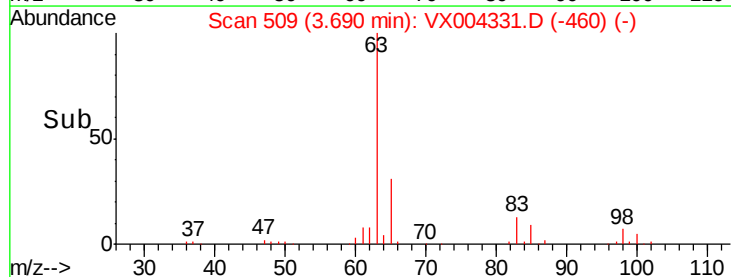
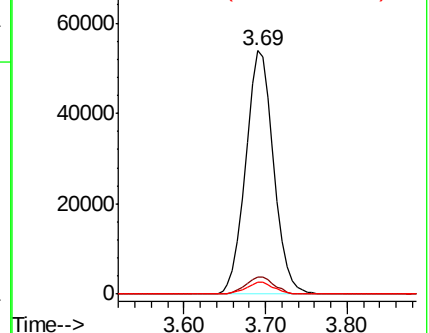
100 4.7 2.4 7.1

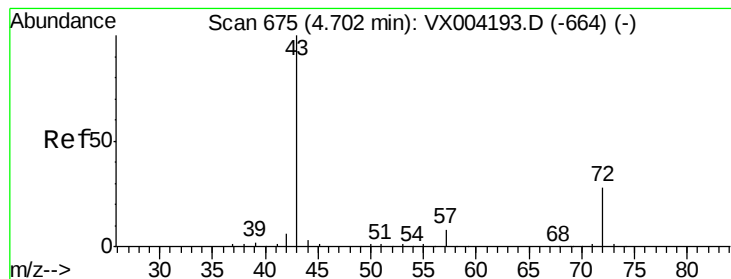


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.87 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

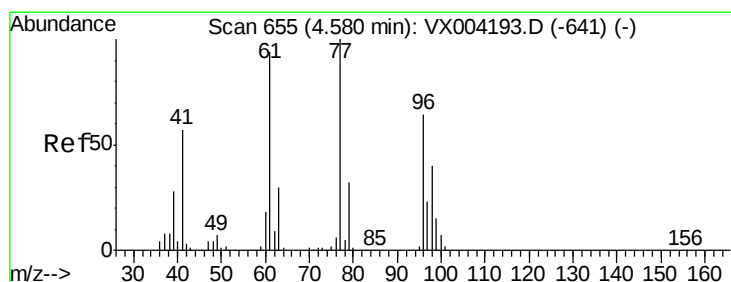
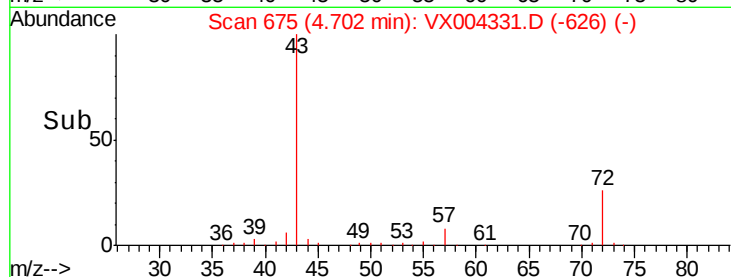
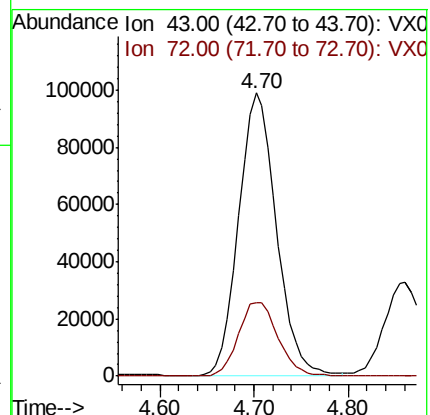
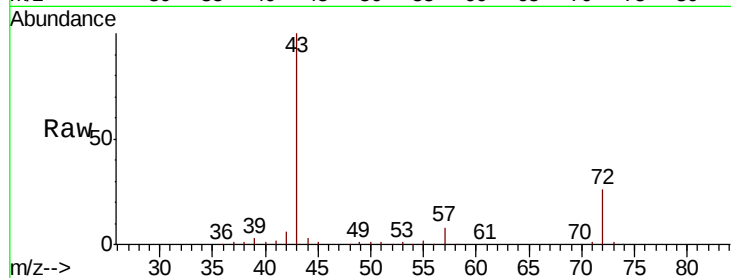
VX0831MBS01

Tot Ion: 43 Resp: 276926

Ion Ratio Lower Upper

43 100

72 26.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.02 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004331.D

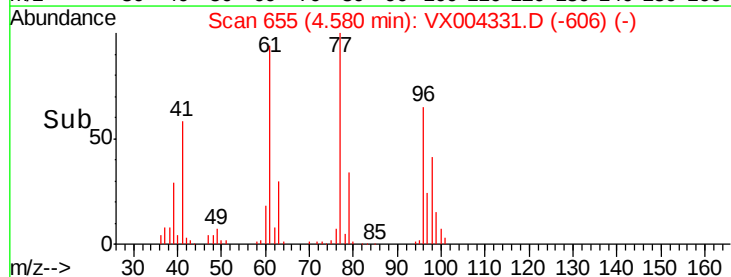
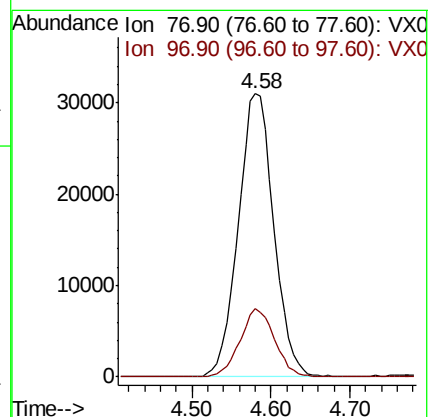
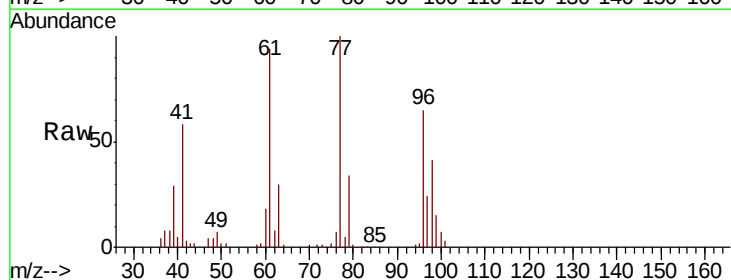
Acq: 31 Aug 2018 17:27

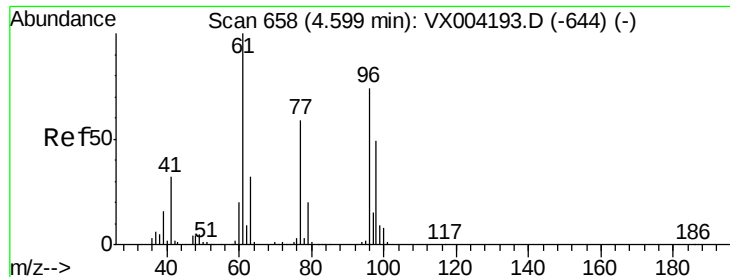
Tgt Ion: 77 Resp: 96758

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



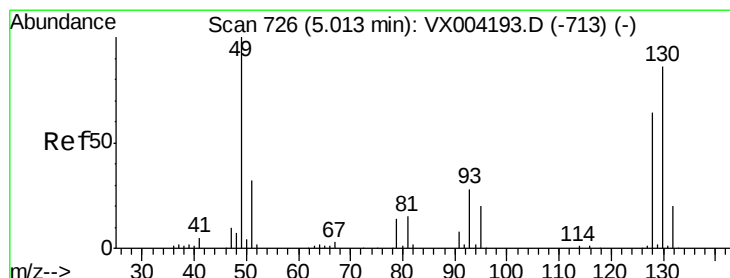
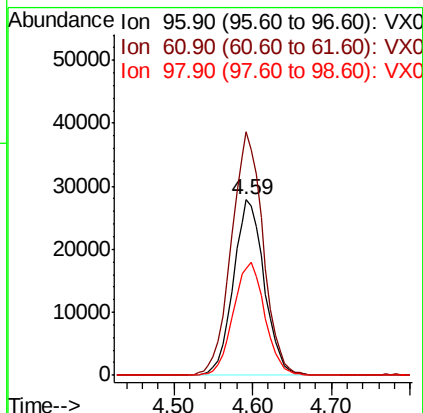
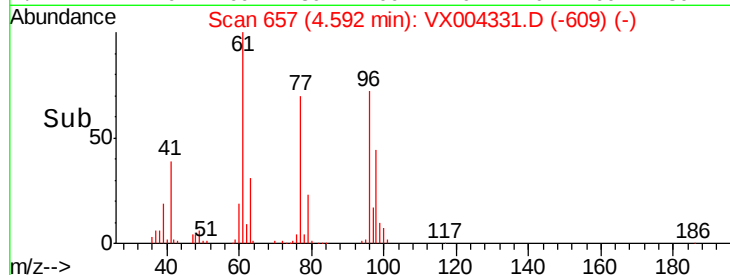
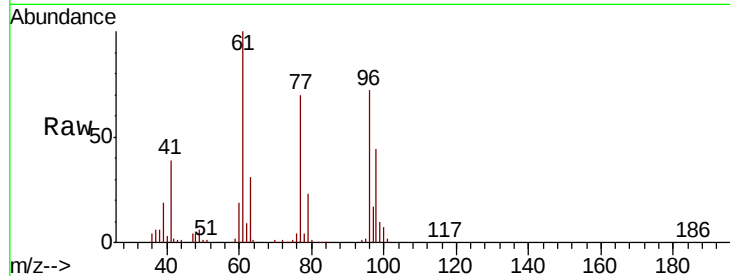


#27

cis-1,2-Dichloroethene
Concen: 18.57 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

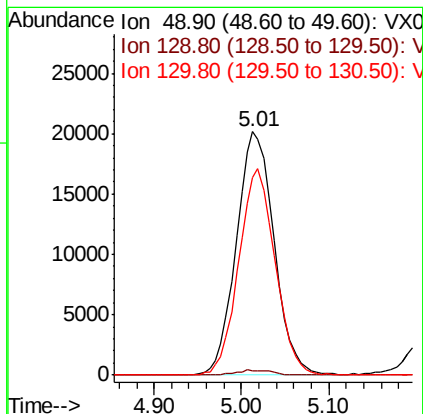
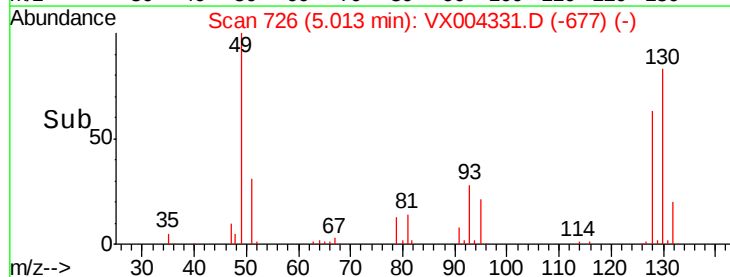
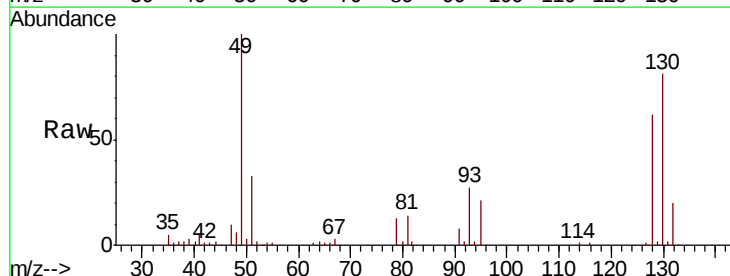
Tot Ion: 96 Resp: 75608
Ion Ratio Lower Upper
96 100
61 142.9 0.0 282.6
98 66.0 0.0 130.2

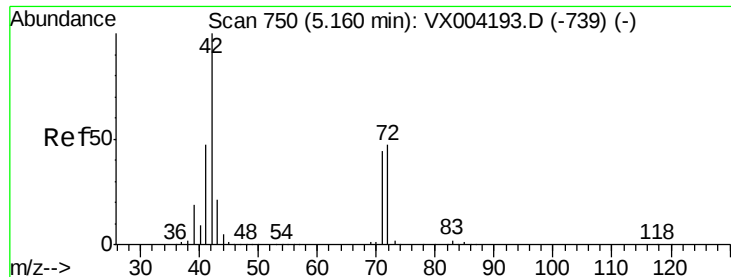


#28

Bromochloromethane
Concen: 21.03 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 49 Resp: 60386
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.2
130 81.8 67.5 101.3





#29

Tetrahydrofuran

Concen: 101.37 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

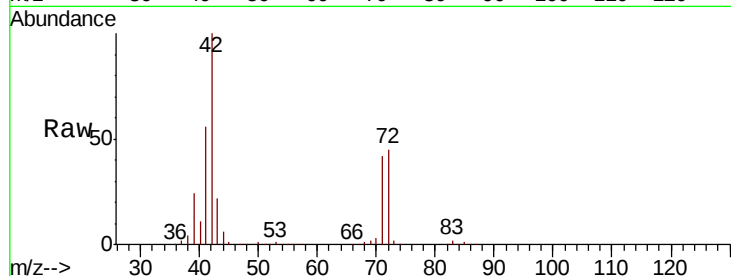
Tot Ion: 42 Resp: 173816

Ion Ratio Lower Upper

42 100

72 45.7 37.4 56.0

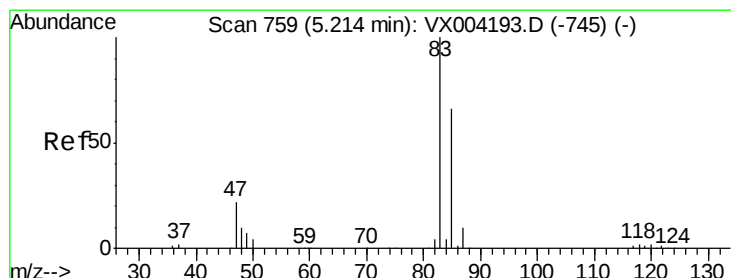
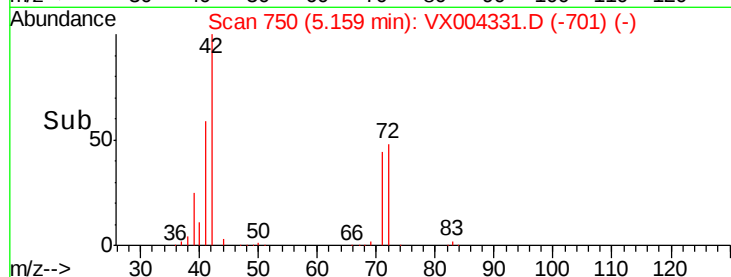
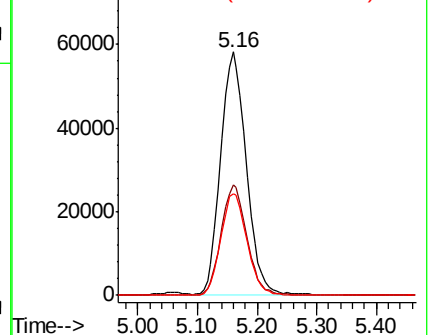
71 42.5 34.5 51.7



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: 19.77 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004331.D

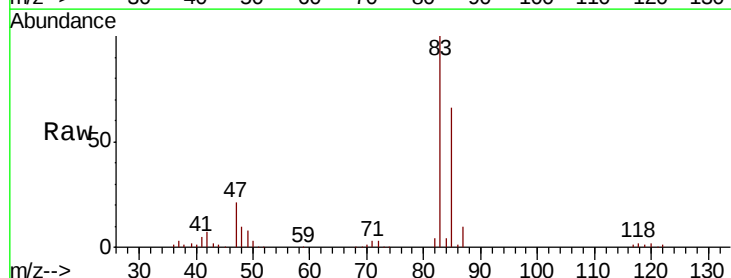
Acq: 31 Aug 2018 17:27

Tgt Ion: 83 Resp: 128539

Ion Ratio Lower Upper

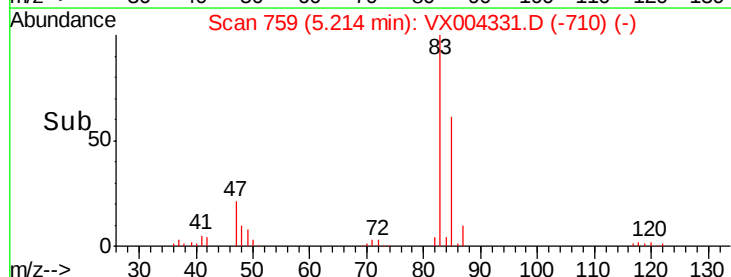
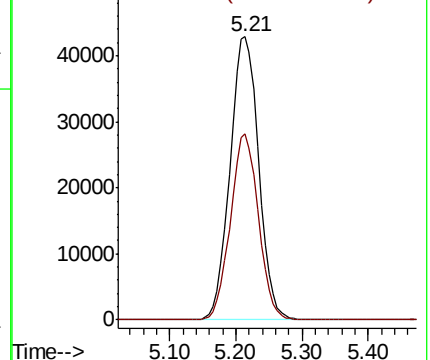
83 100

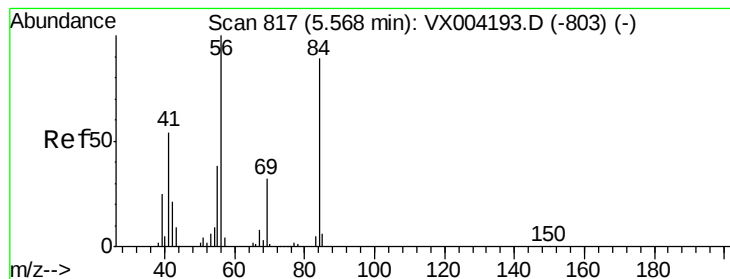
85 65.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.29 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

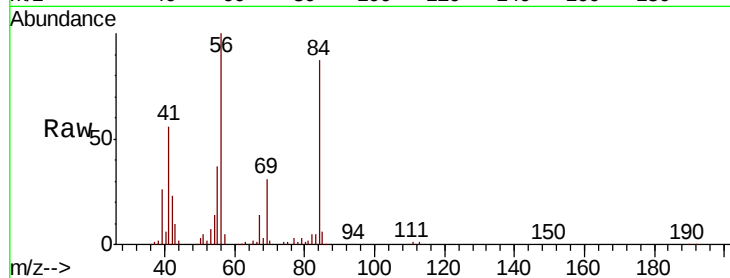
Tot Ion: 56 Resp: 102353

Ion Ratio Lower Upper

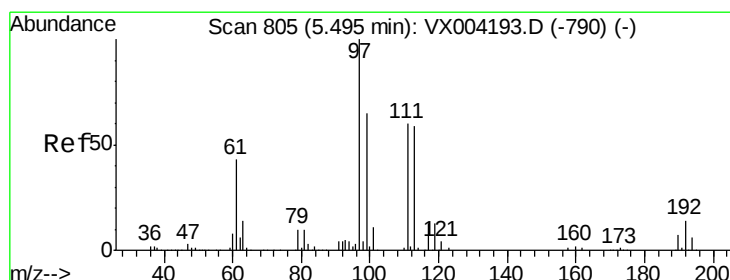
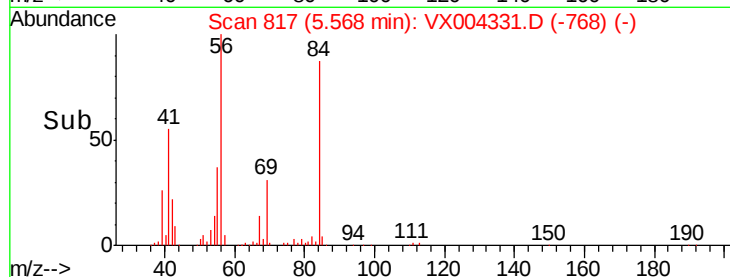
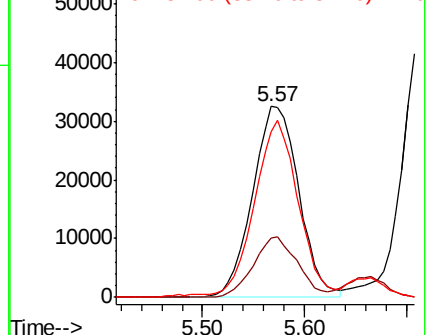
56 100

69 31.0 25.4 38.2

84 85.4 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 19.56 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

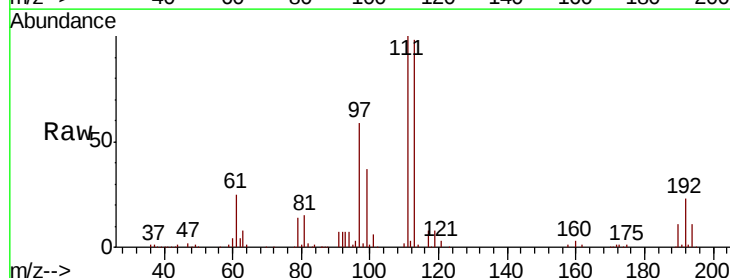
Tgt Ion: 97 Resp: 106051

Ion Ratio Lower Upper

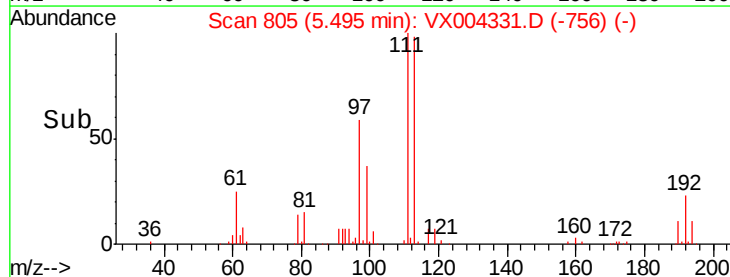
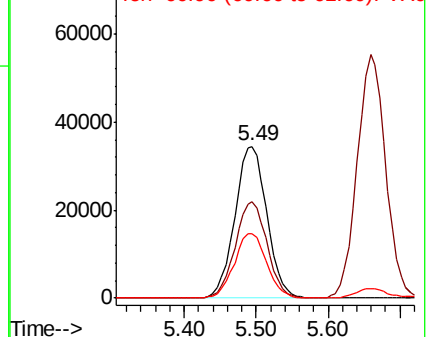
97 100

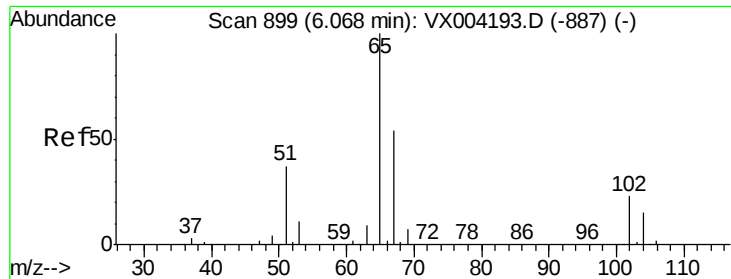
99 63.4 52.0 78.0

61 43.3 34.9 52.3



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

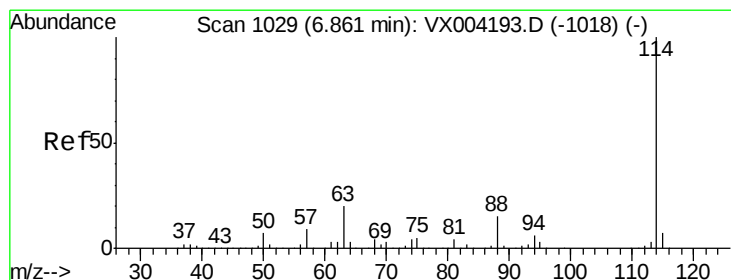
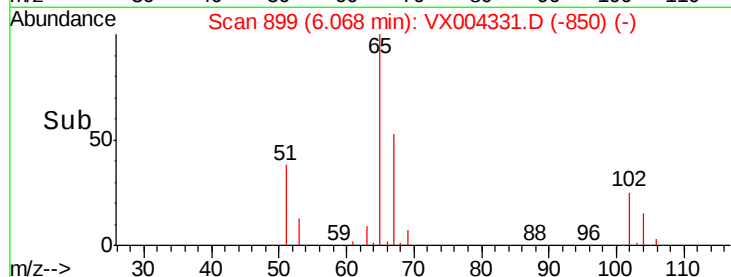
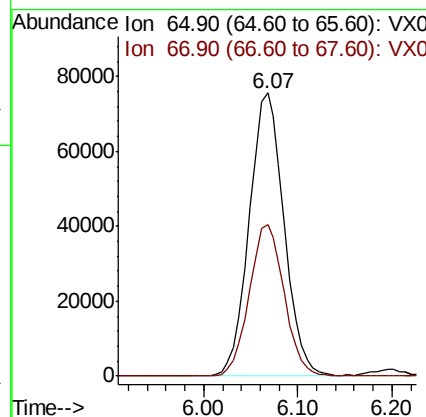
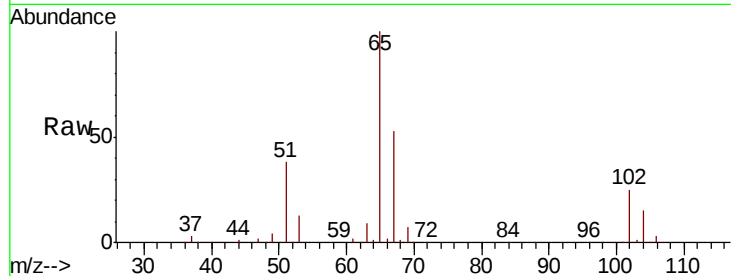




#33
 1,2-Dichloroethane-d4
 Concen: 49.13 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

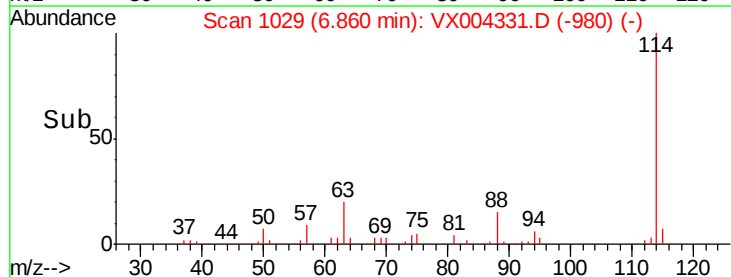
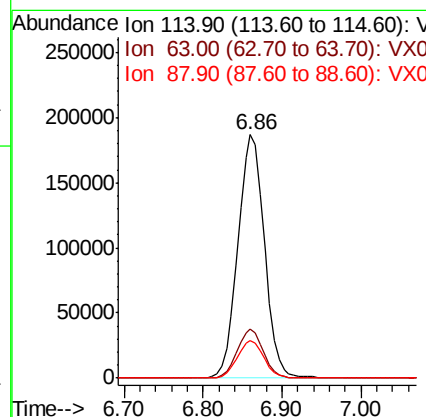
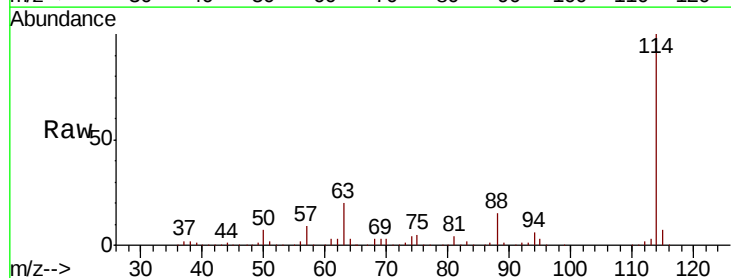
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion: 65 Resp: 196075
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion: 114 Resp: 437029
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.5 0.0 30.4

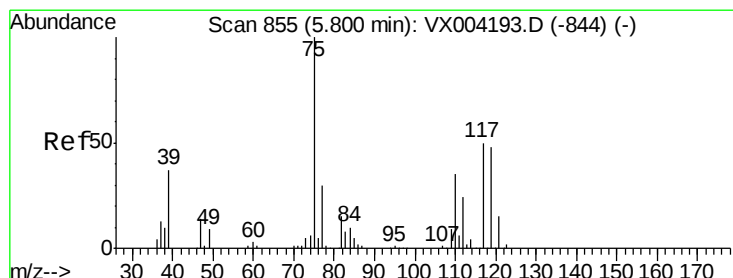
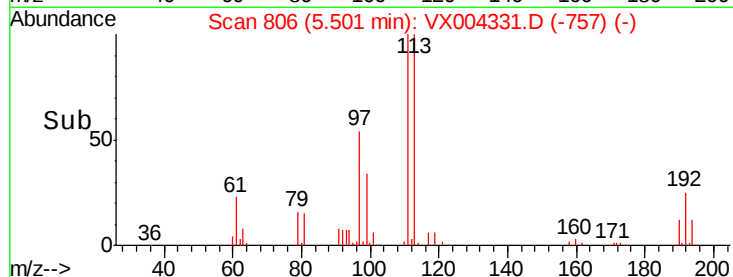
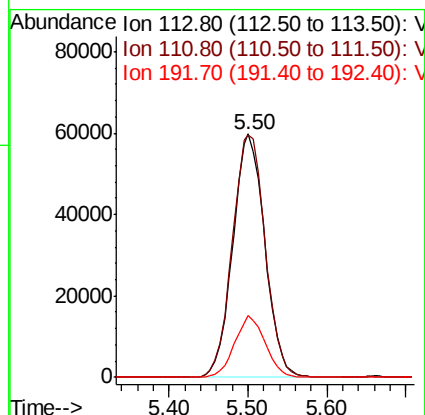
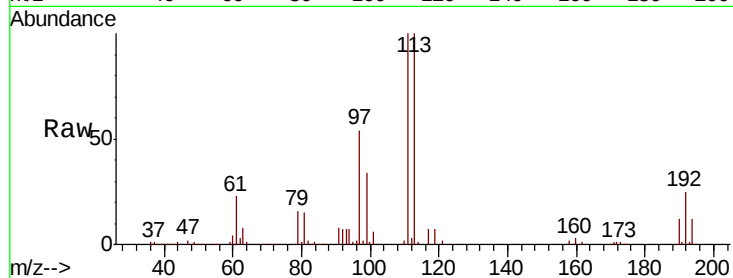




#35
 Dibromofluoromethane
 Concen: 51.84 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

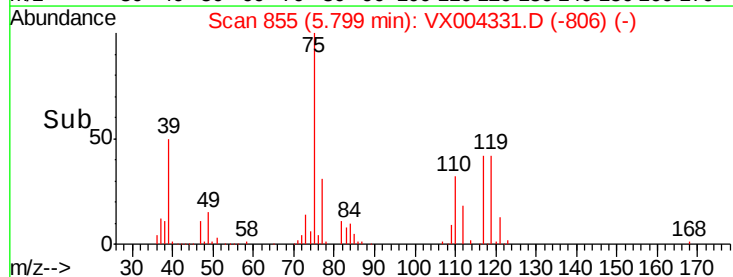
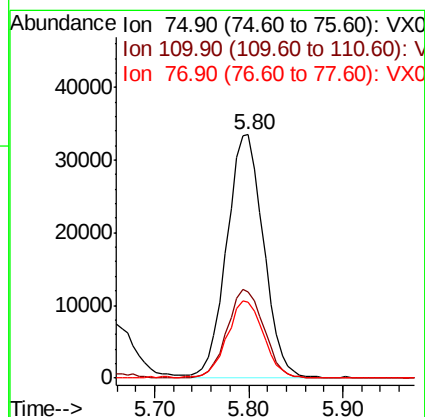
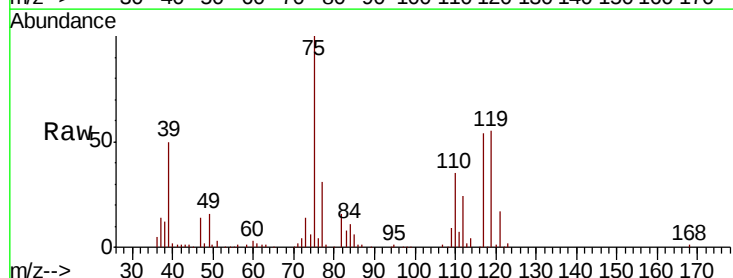
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	24.3	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 18.52 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.0	54.0
77	31.8	24.6	36.8

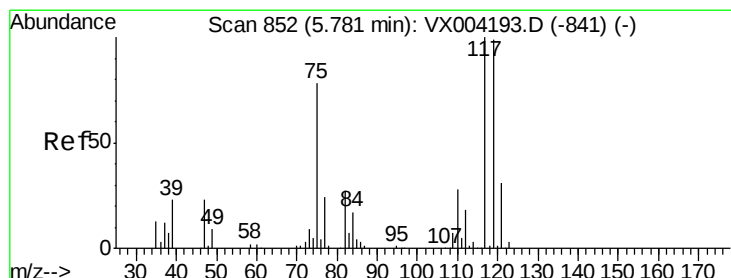
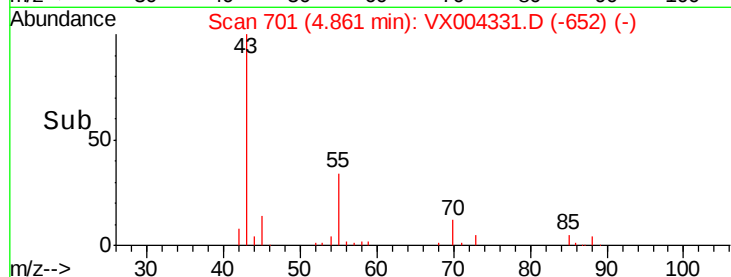
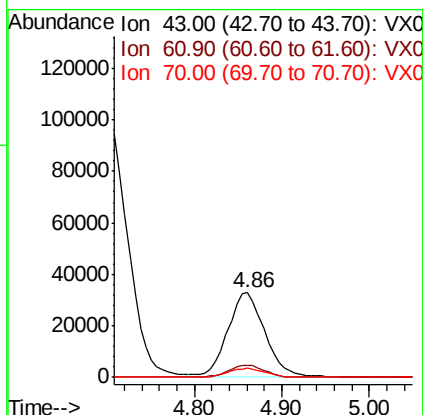
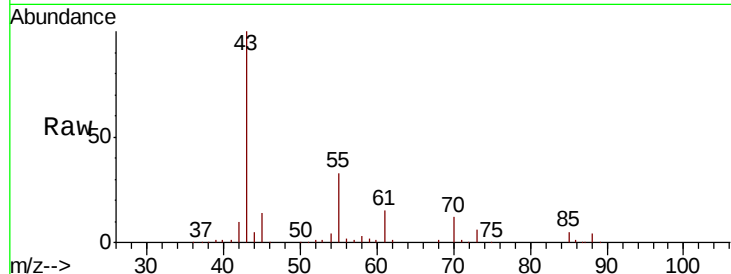




#37
Ethyl Acetate
Concen: 19.88 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

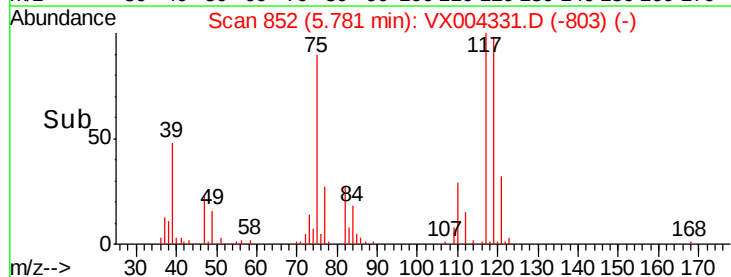
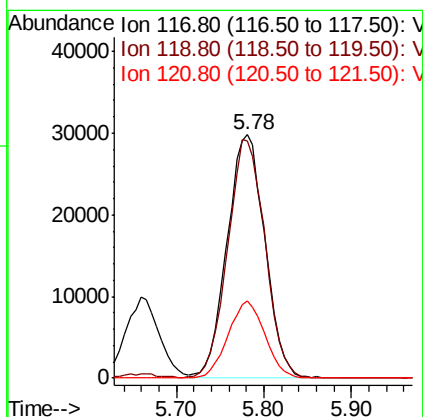
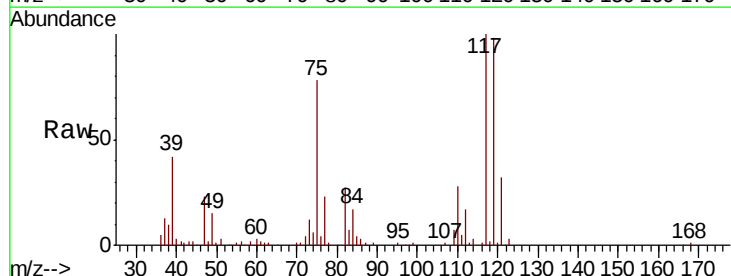
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion: 43 Resp: 96039
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 11.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 117 Resp: 89751
Ion Ratio Lower Upper
117 100
119 97.6 78.8 118.2
121 31.9 24.9 37.3

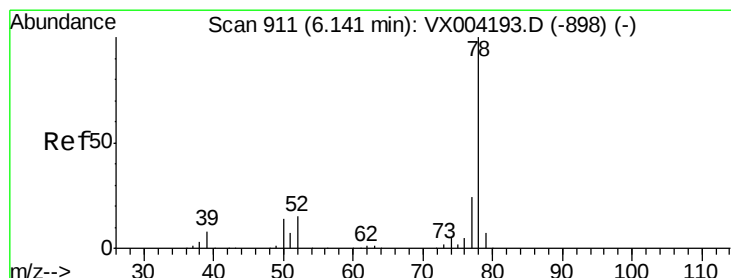
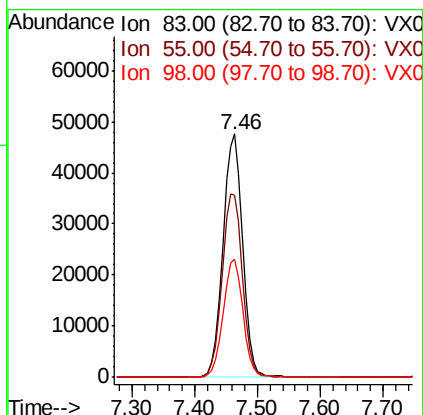
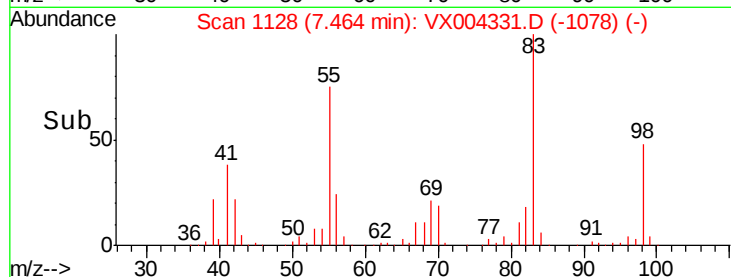
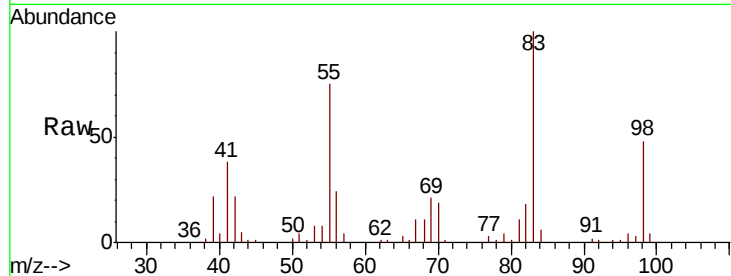




#39
Methvlcvclohexane
Concen: 18.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

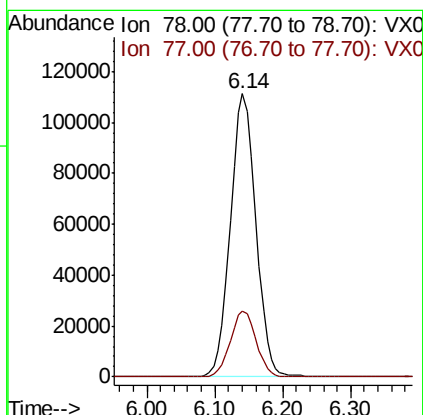
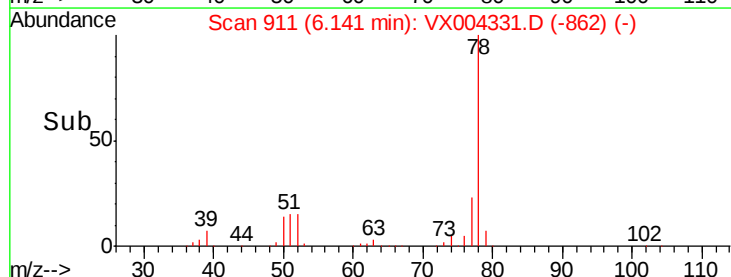
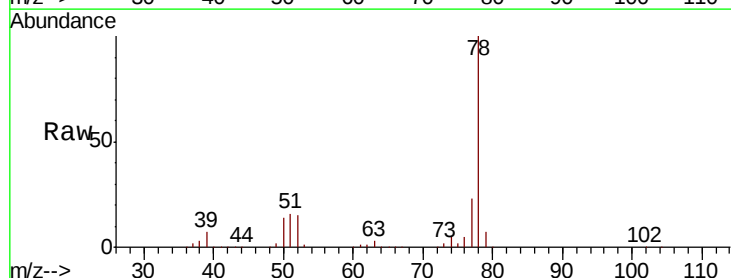
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion: 83 Resp: 103499
Ion Ratio Lower Upper
83 100
55 74.9 61.0 91.4
98 48.5 39.6 59.4



#40
Benzene
Concen: 19.71 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 78 Resp: 289313
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

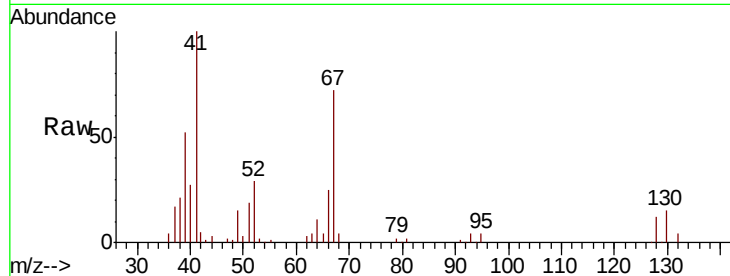




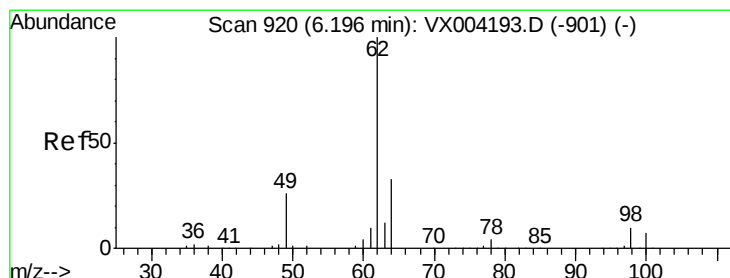
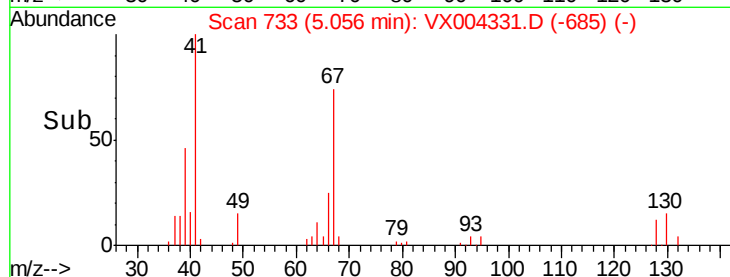
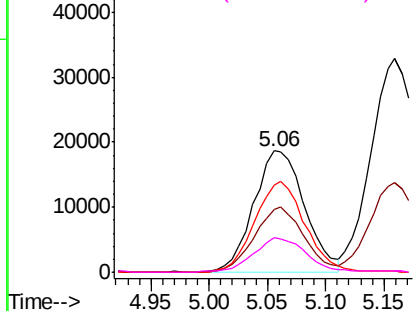
#41
Methacrylonitrile
Concen: 20.29 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion:	41	Resp:	56823
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.4	63.6
67	74.1	59.2	88.8
52	28.4	23.0	34.4

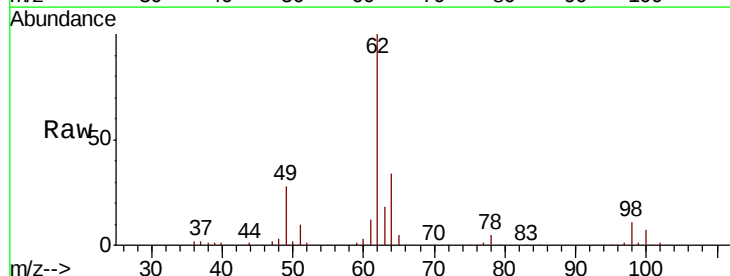


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

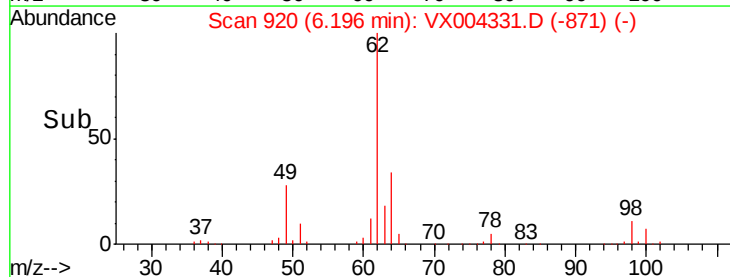
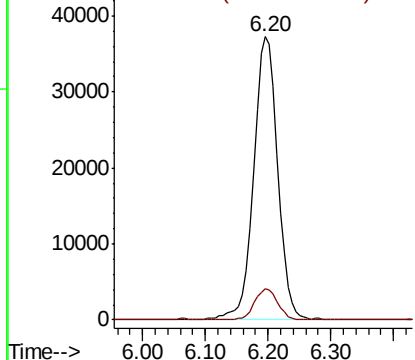


#42
1,2-Dichloroethane
Concen: 19.74 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion:	62	Resp:	98846
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6



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



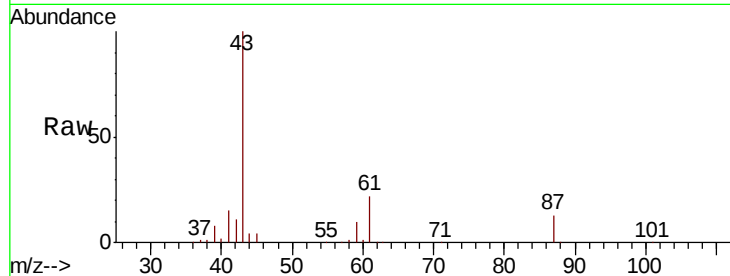


#43

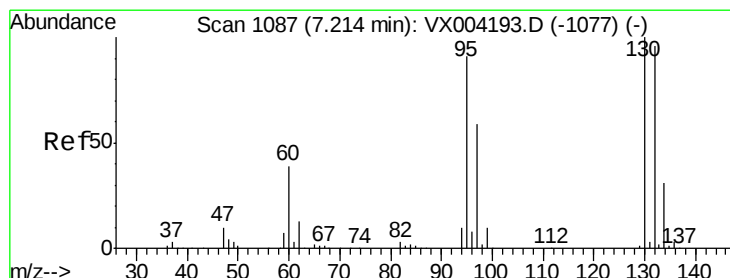
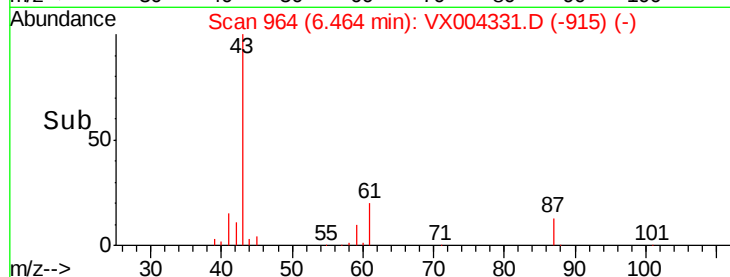
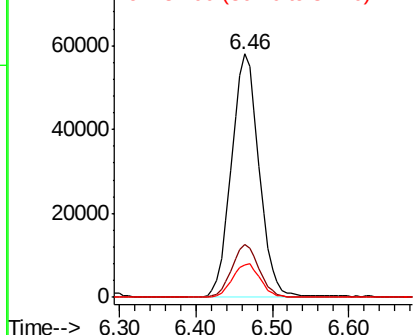
Isopropyl Acetate
 Concen: 19.66 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	43	Resp	145999
Ion Ratio	Lower	Upper	
43	100		
61	21.3	17.0	25.4
87	13.8	11.4	17.2



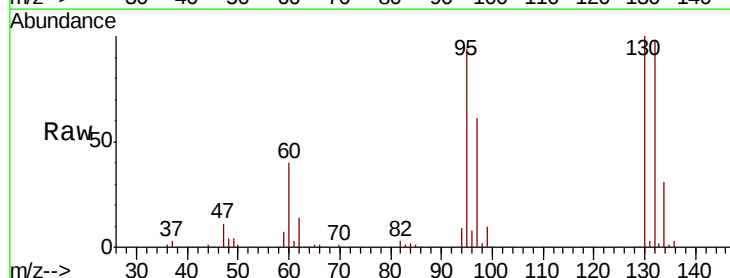
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



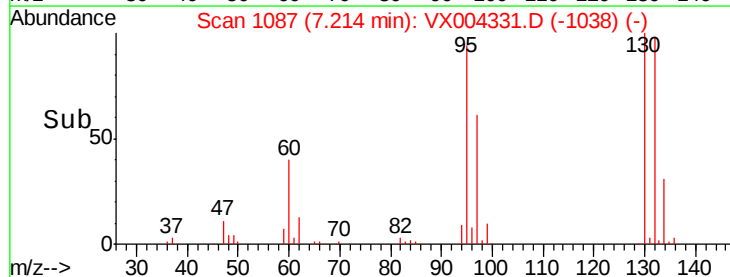
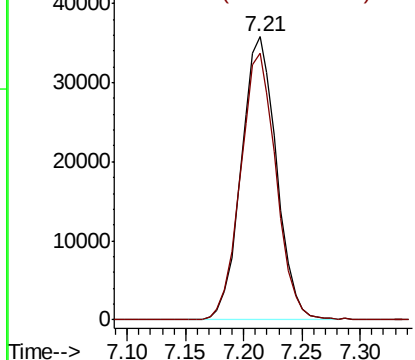
#44

Trichloroethene
 Concen: 18.58 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	130	Resp	75516
Ion Ratio	Lower	Upper	
130	100		
95	94.2	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.20 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

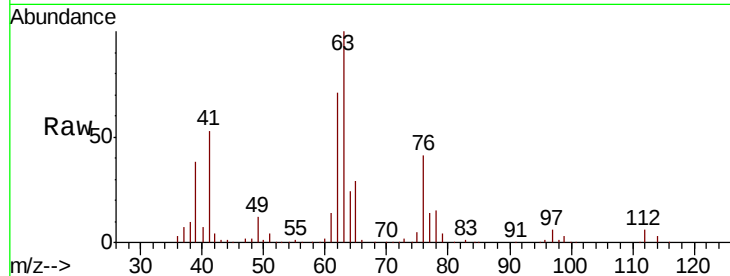
VX0831MBS01

Tot Ion: 63 Resp: 74239

Ion Ratio Lower Upper

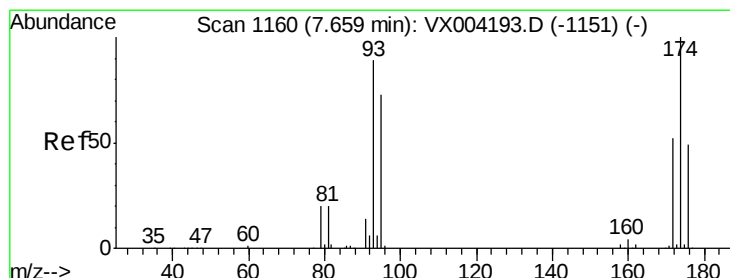
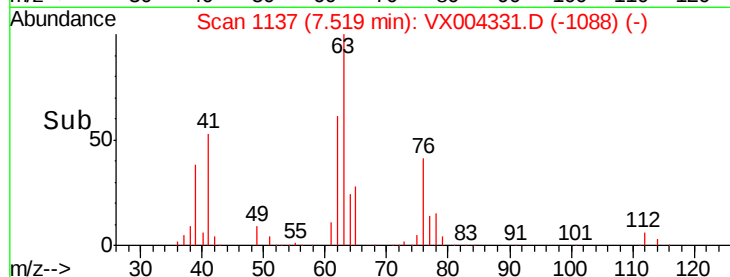
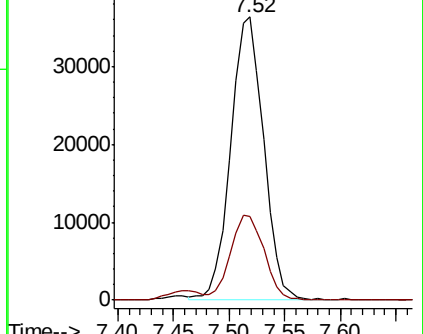
63 100

65 29.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.82 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

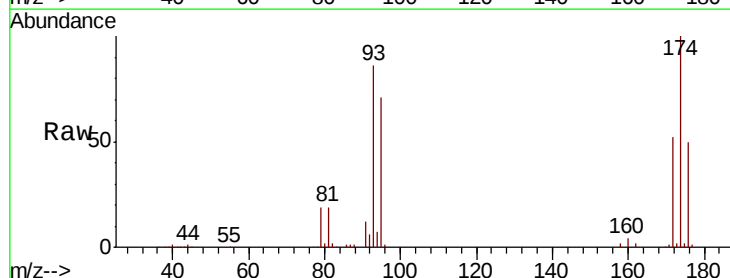
Tgt Ion: 93 Resp: 48493

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

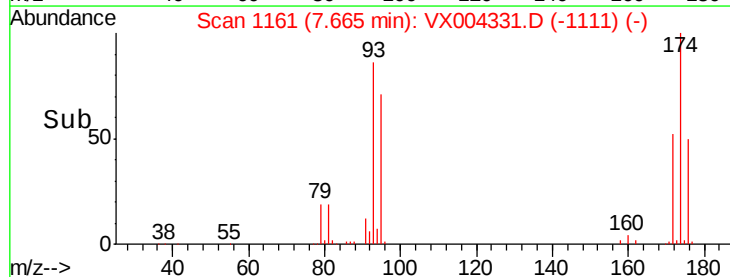
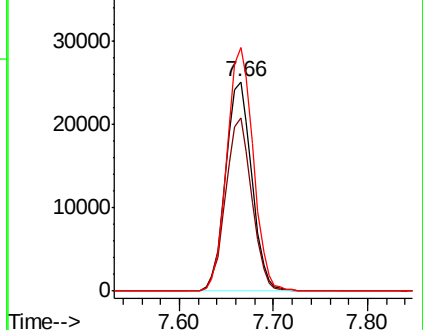
174 116.9 94.2 141.4

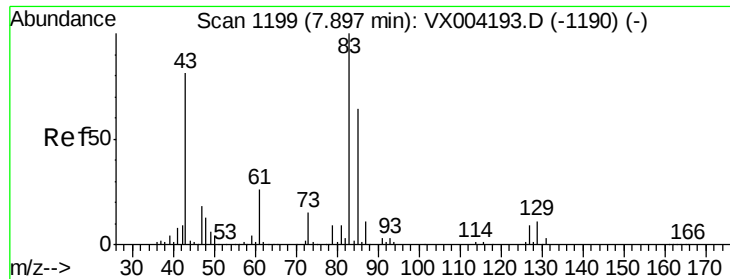


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.16 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

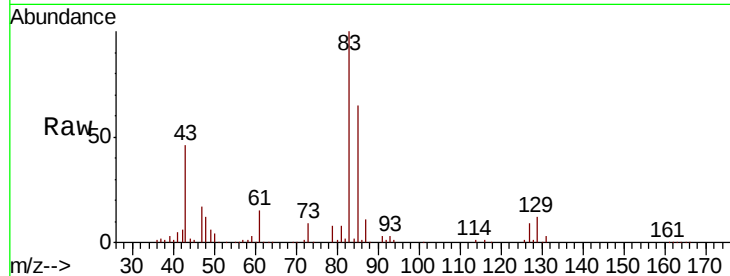
Tot Ion: 83 Resp: 91789

Ion Ratio Lower Upper

83 100

85 64.6 50.9 76.3

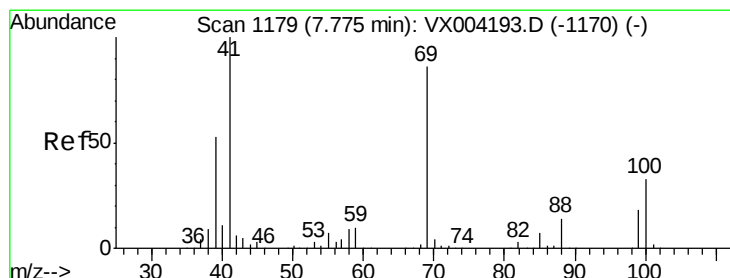
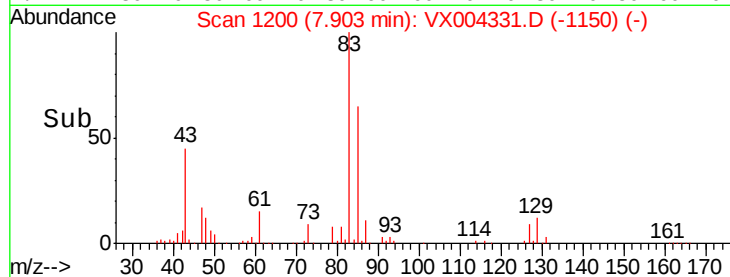
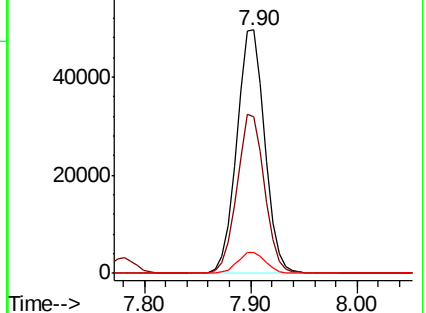
127 8.7 7.3 10.9



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: 20.04 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

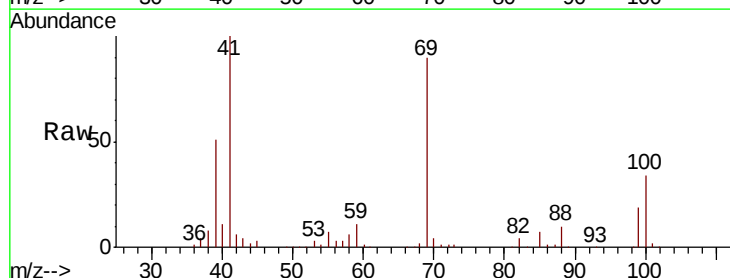
Tgt Ion: 41 Resp: 79627

Ion Ratio Lower Upper

41 100

69 87.3 70.2 105.4

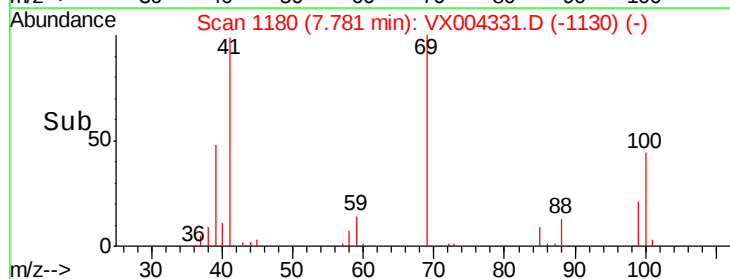
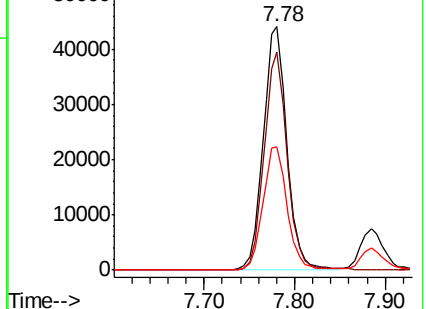
39 51.4 42.7 64.1

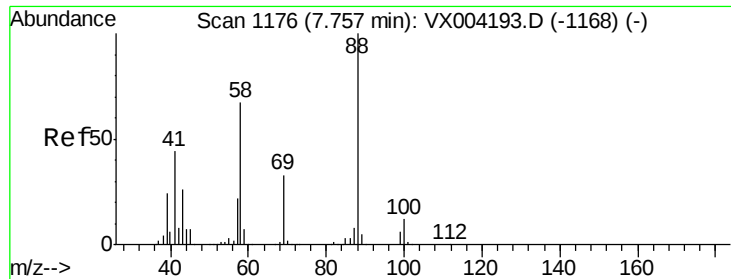


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

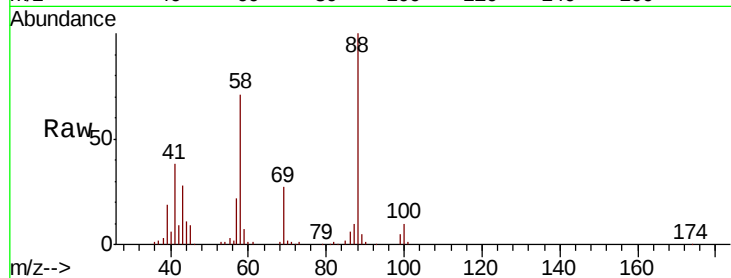




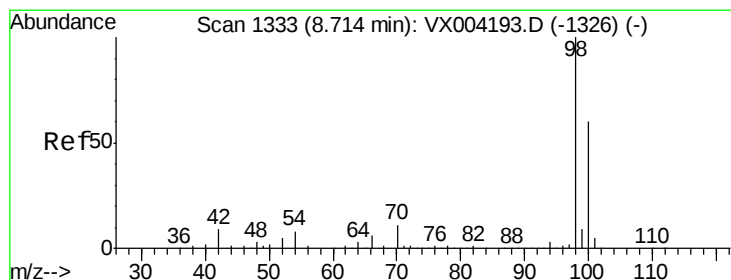
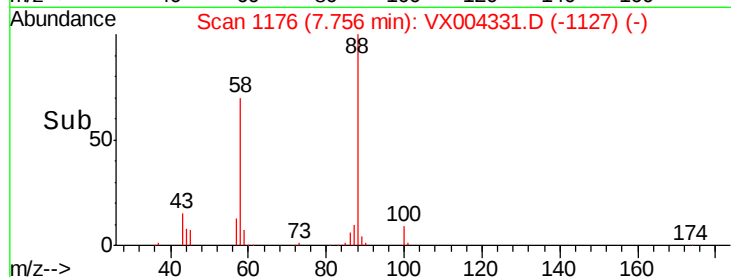
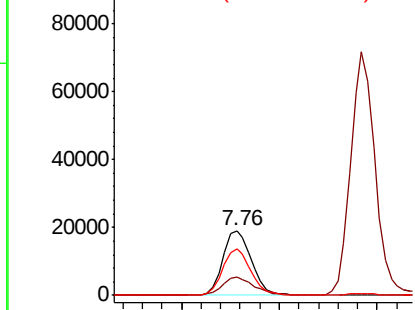
#49
 1,4-Dioxane
 Concen: 429.10 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion: 88 Resp: 38706
 Ion Ratio Lower Upper
 88 100
 43 29.8 24.7 37.1
 58 70.3 55.3 82.9

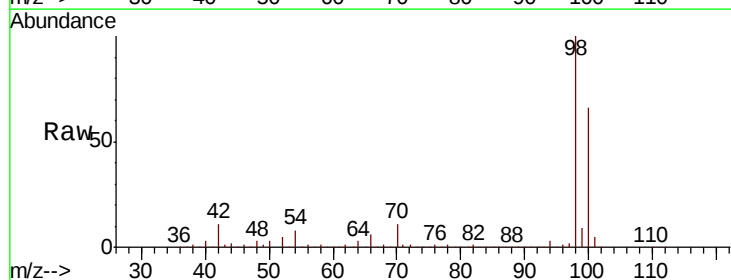


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

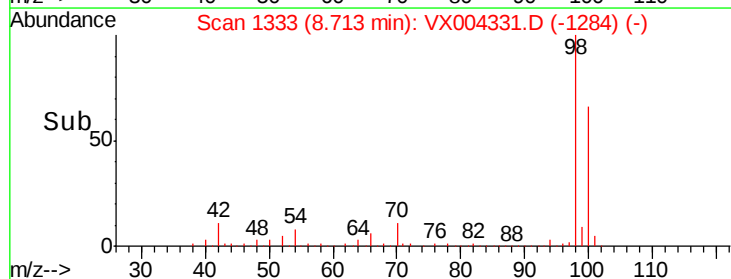
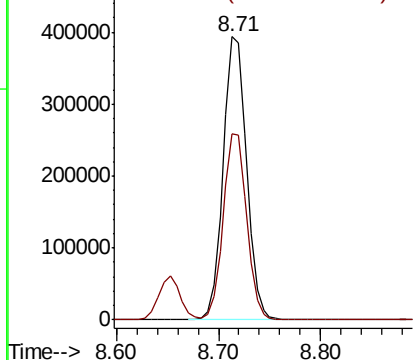


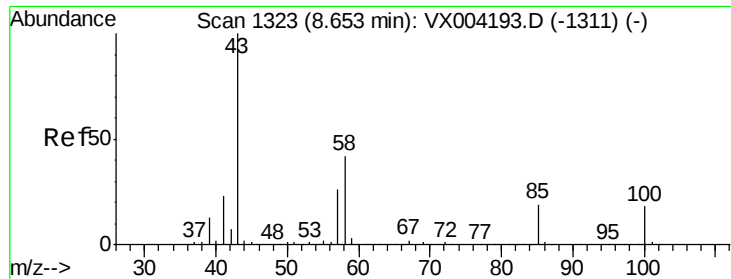
#50
 Toluene-d8
 Concen: 50.96 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion: 98 Resp: 625358
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.9 79.3



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: 98.38 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

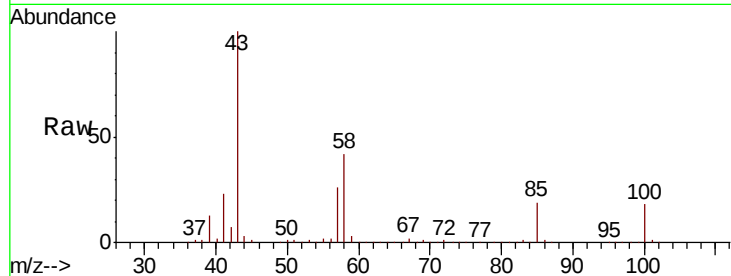
VX0831MBS01

Tot Ion: 43 Resp: 530738

Ion Ratio Lower Upper

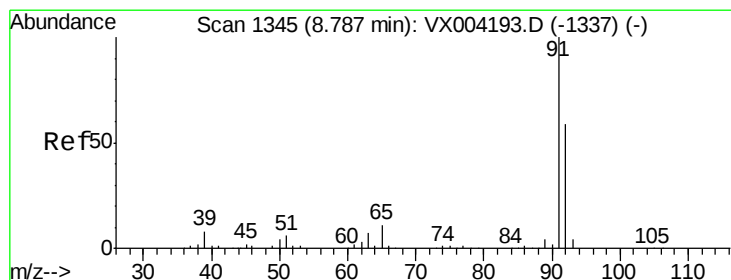
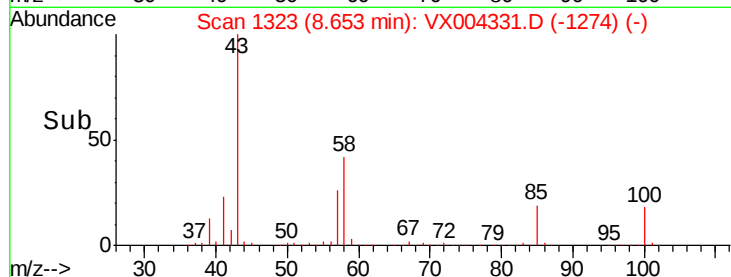
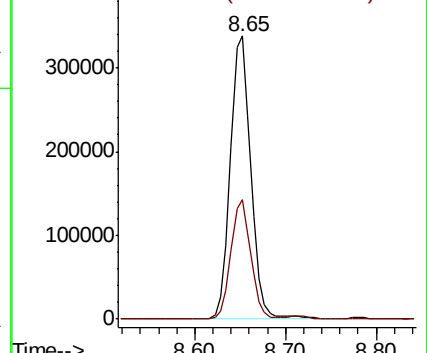
43 100

58 41.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.75 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004331.D

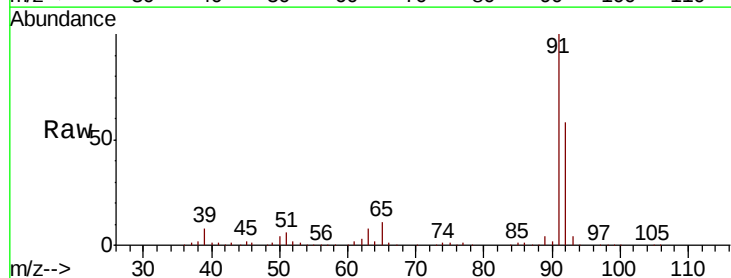
Acq: 31 Aug 2018 17:27

Tgt Ion: 92 Resp: 181533

Ion Ratio Lower Upper

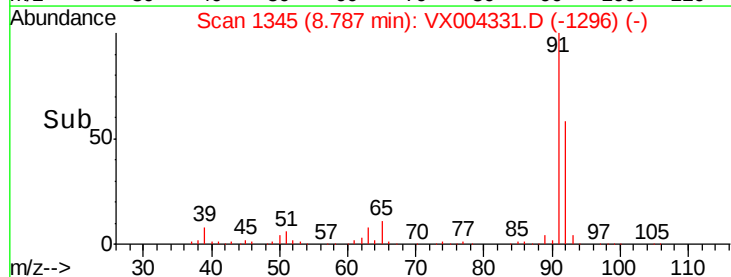
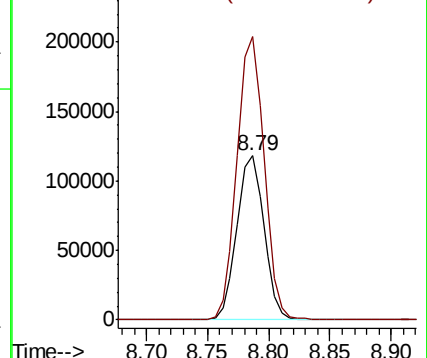
92 100

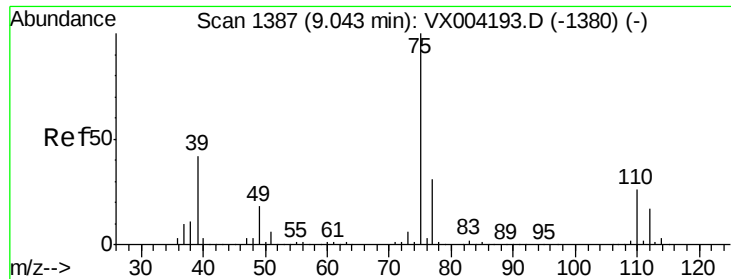
91 173.1 136.4 204.6



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: 19.32 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

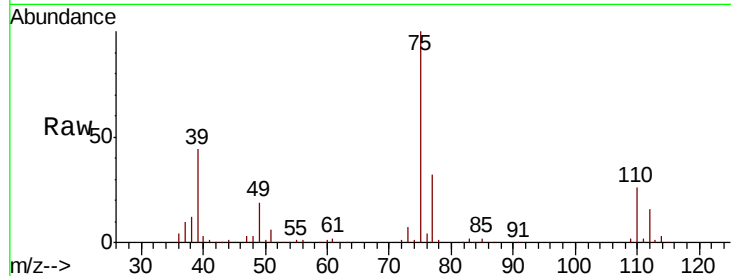
VX0831MBS01

Tot Ion: 75 Resp: 97154

Ion Ratio Lower Upper

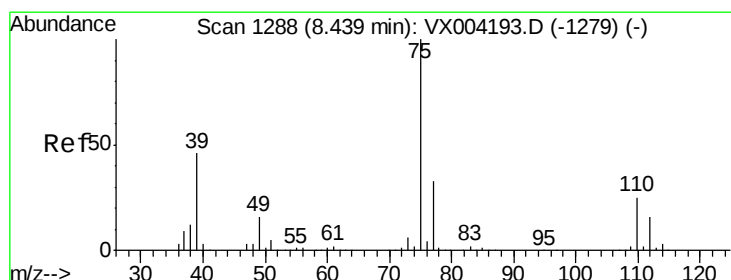
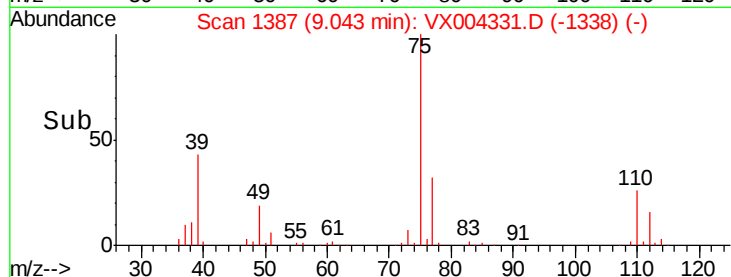
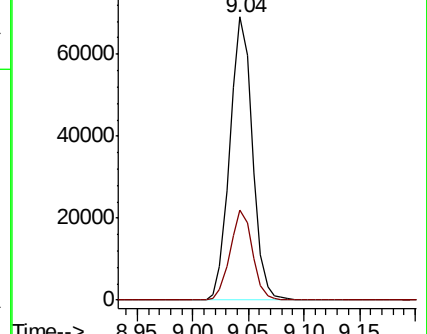
75 100

77 31.7 24.6 37.0



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: 20.04 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

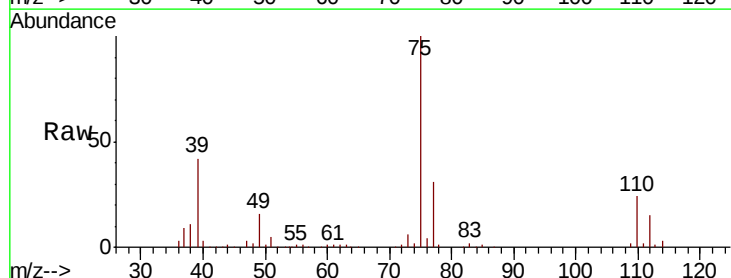
Tgt Ion: 75 Resp: 109753

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

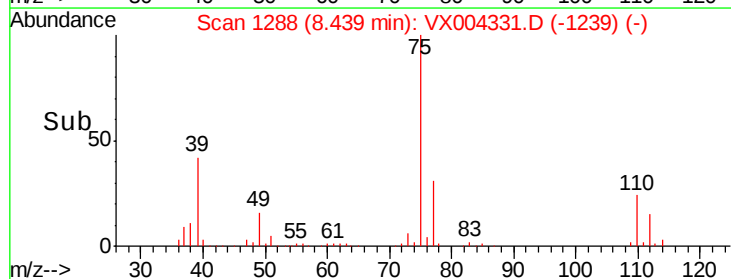
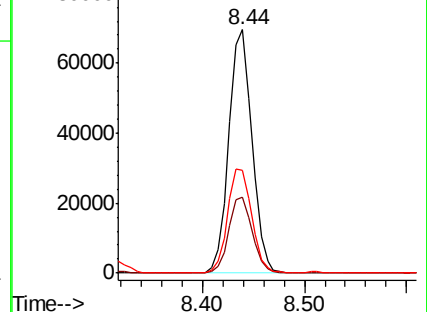
39 42.2 36.4 54.6

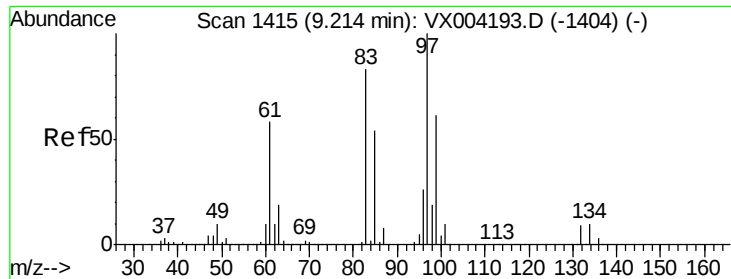


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

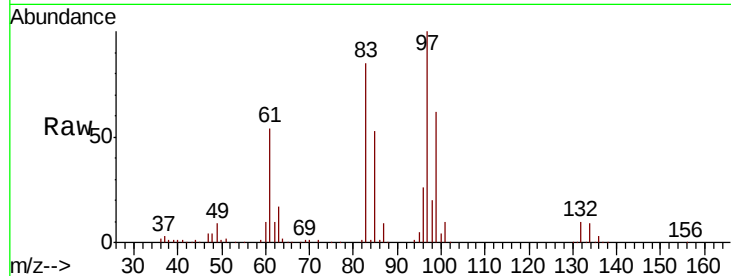




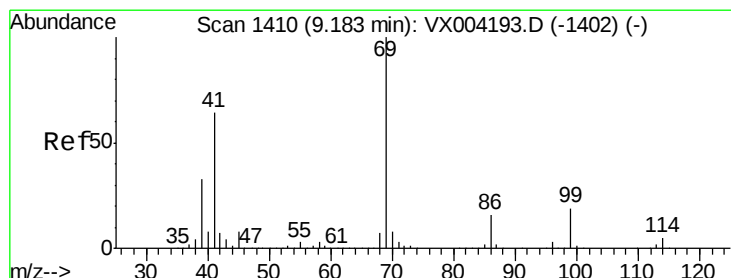
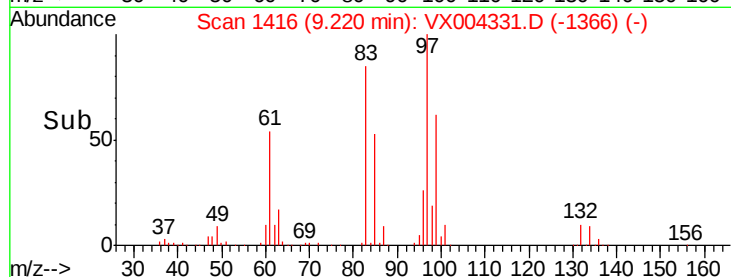
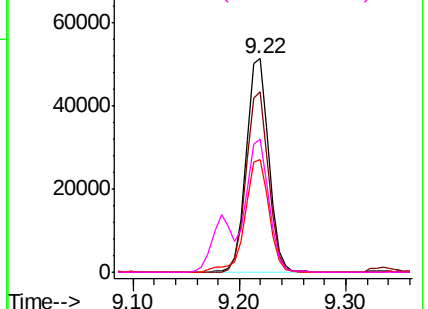
#55
 1,1,2-Trichloroethane
 Concen: 20.63 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion:	97	Resp:	76537
Ion	Ratio	Lower	Upper
97	100		
83	84.8	66.4	99.6
85	53.0	43.3	64.9
99	62.2	49.0	73.4

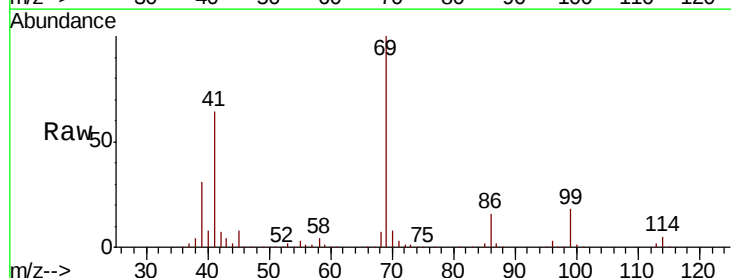


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

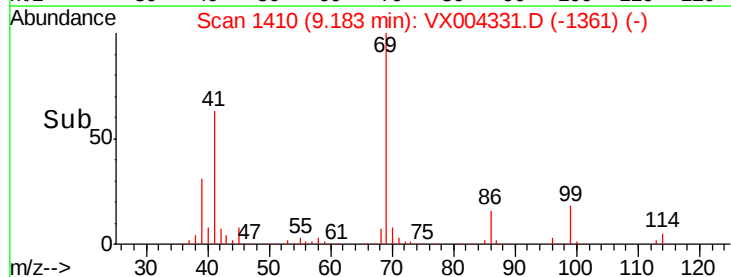
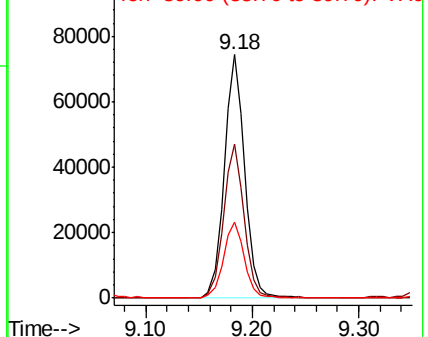


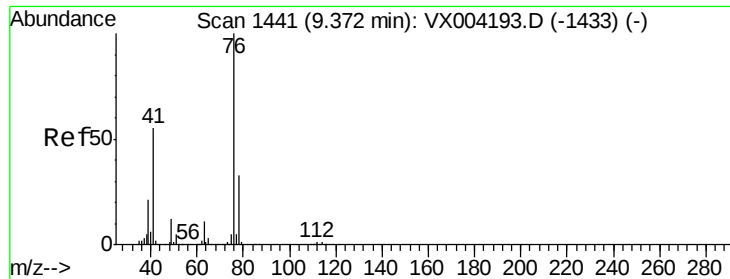
#56
 Ethyl methacrylate
 Concen: 19.67 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion:	69	Resp:	99337
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.0	76.4
39	32.0	26.1	39.1



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: 20.36 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

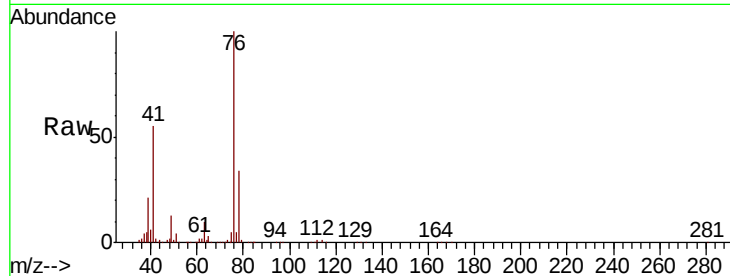
VX0831MBS01

Tot Ion: 76 Resp: 127318

Ion Ratio Lower Upper

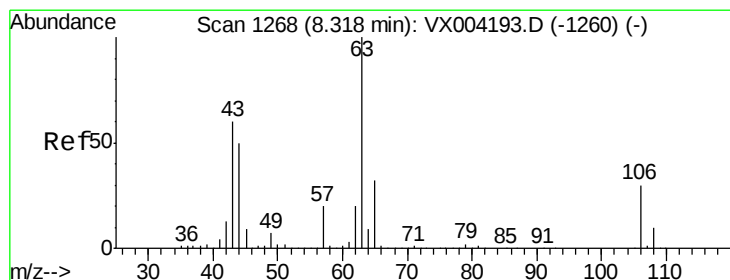
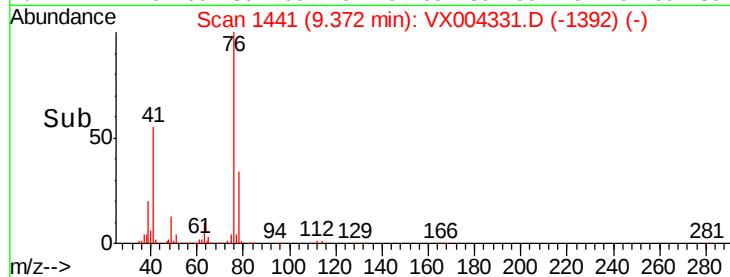
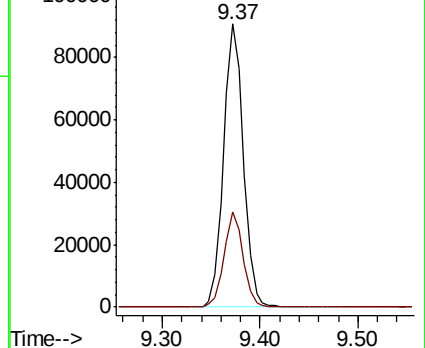
76 100

78 32.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 114.05 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004331.D

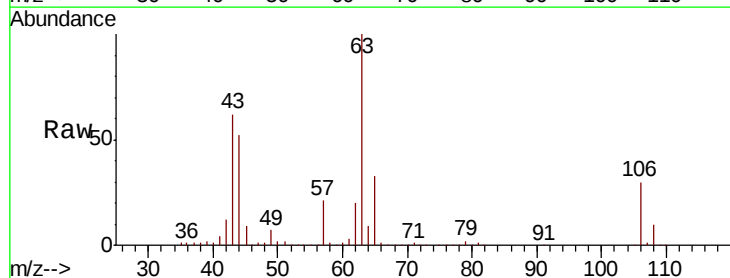
Acq: 31 Aug 2018 17:27

Tgt Ion: 63 Resp: 295122

Ion Ratio Lower Upper

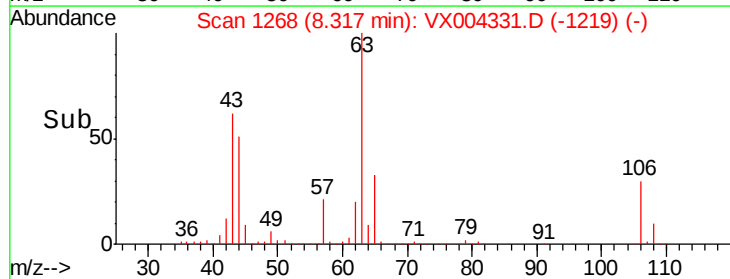
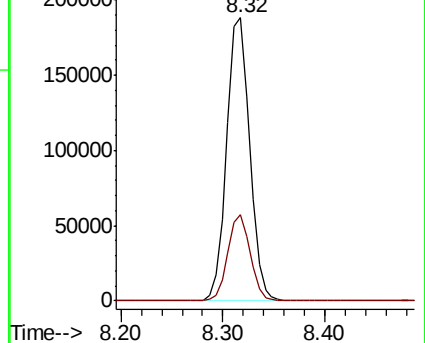
63 100

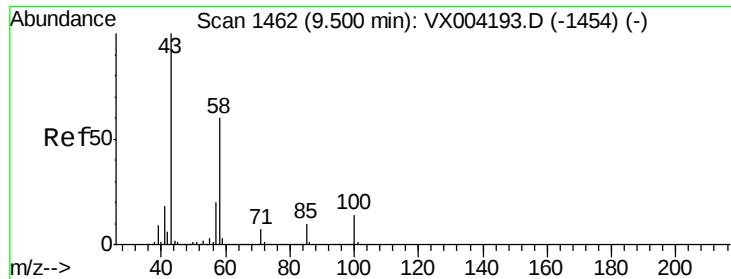
106 29.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

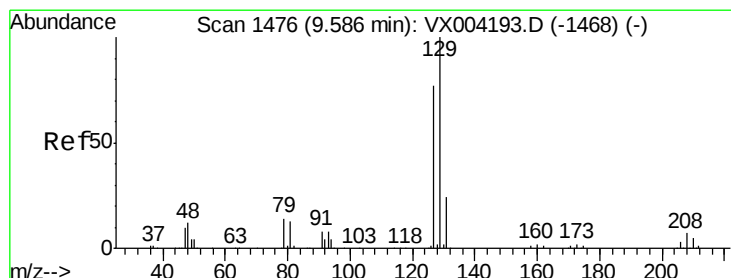
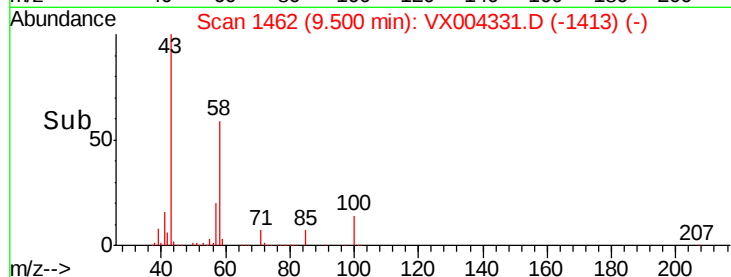
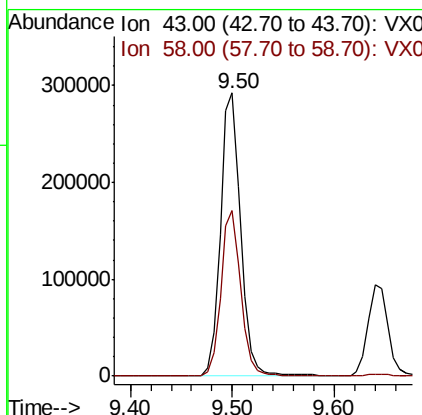
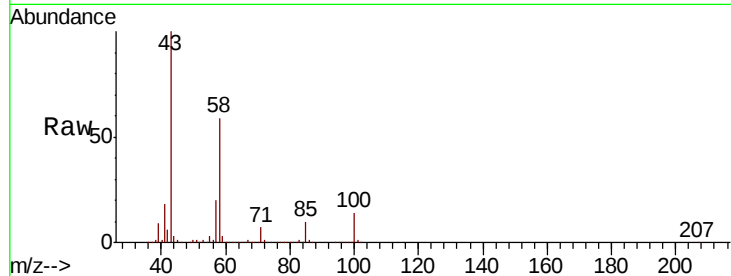




#59
2-Hexanone
Concen: 98.05 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

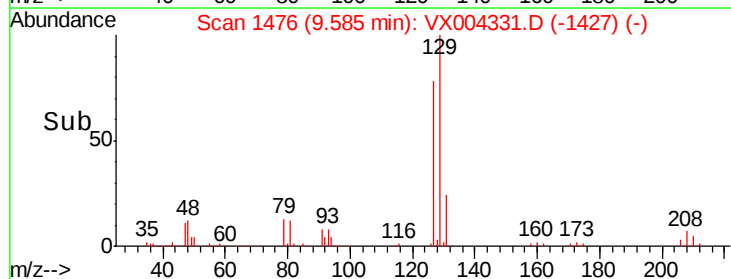
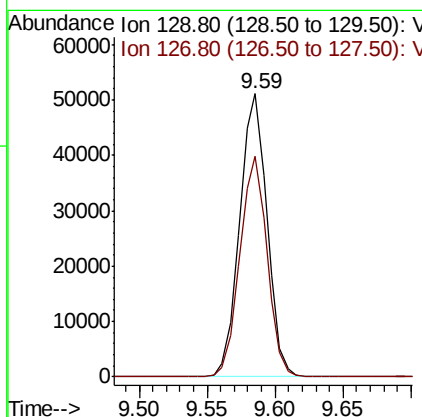
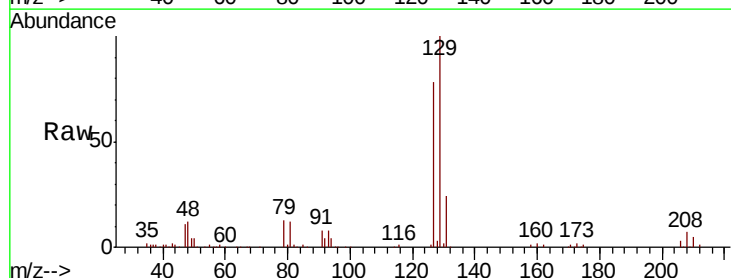
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion: 43 Resp: 403557
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.0



#60
Dibromochloromethane
Concen: 19.85 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 129 Resp: 71729
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.97 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

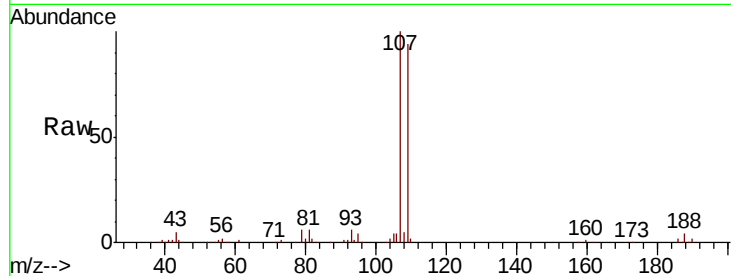
VX0831MBS01

Tot Ion:107 Resp: 76656

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

50000

40000

30000

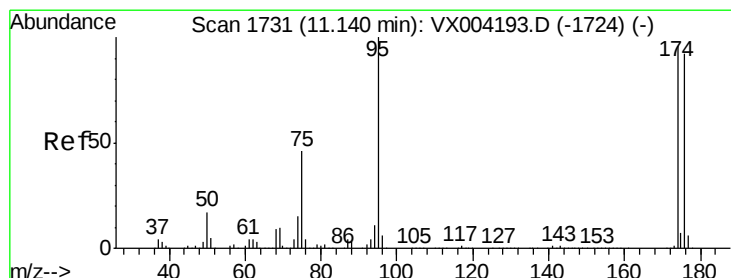
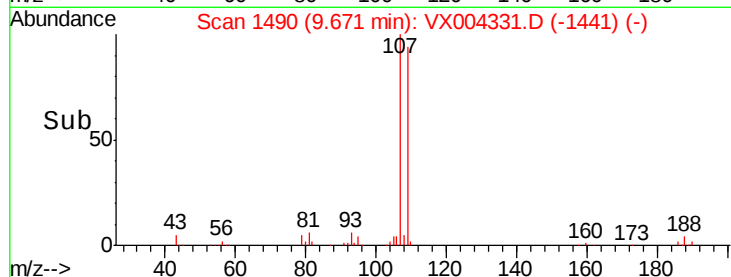
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

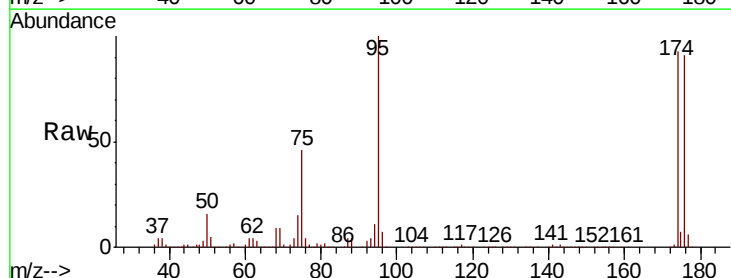
Tgt Ion: 95 Resp: 232363

Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 88.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

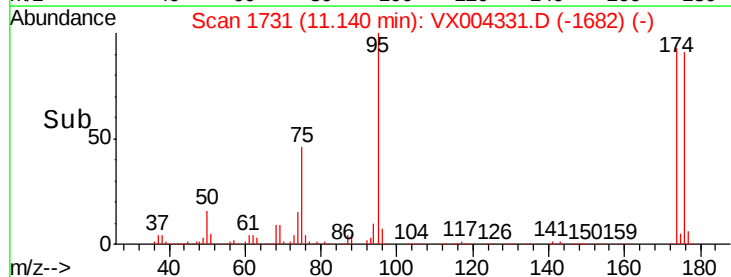
100000

50000

0

11.10 11.20

Time-->

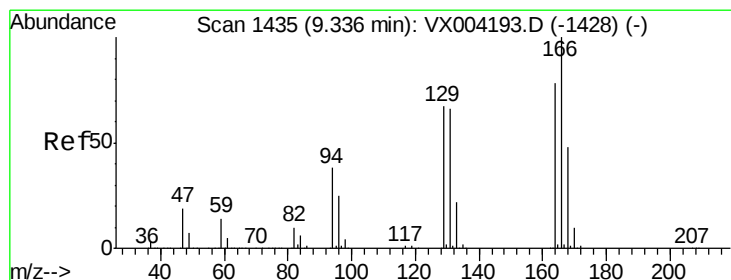
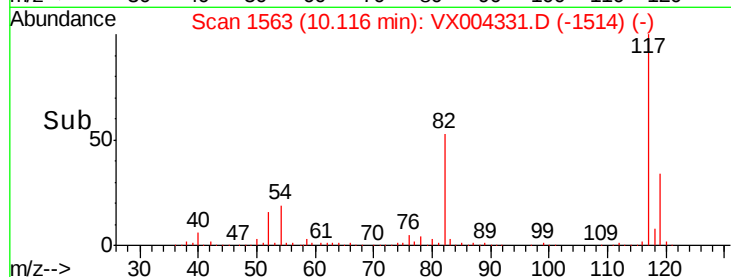
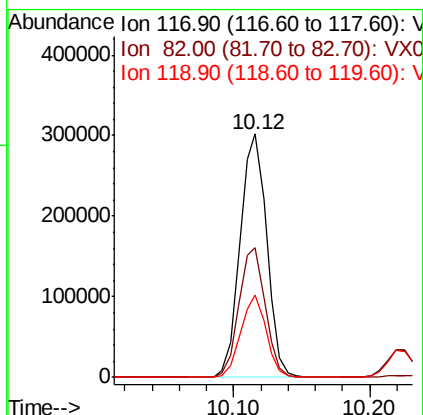
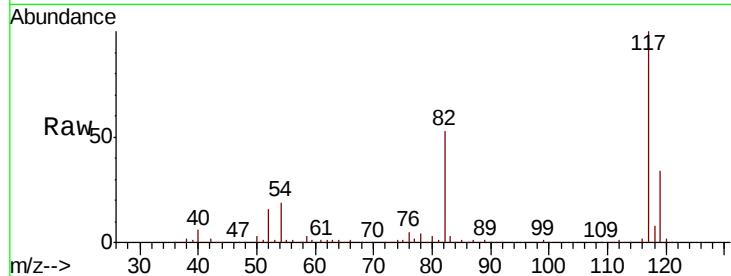




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

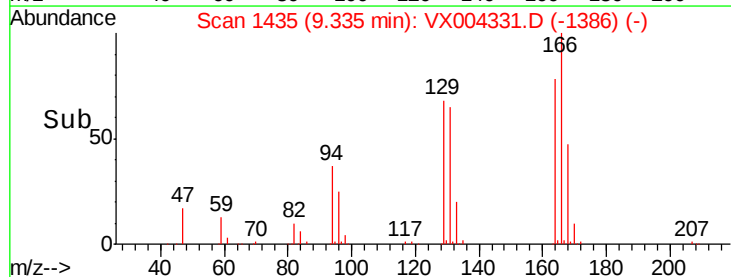
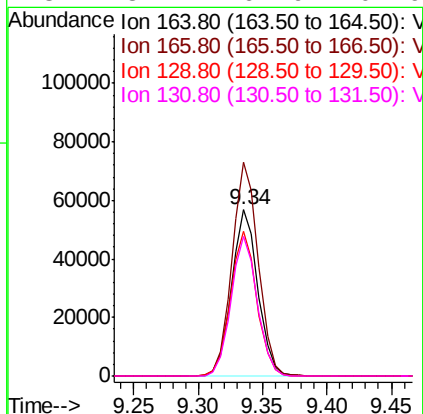
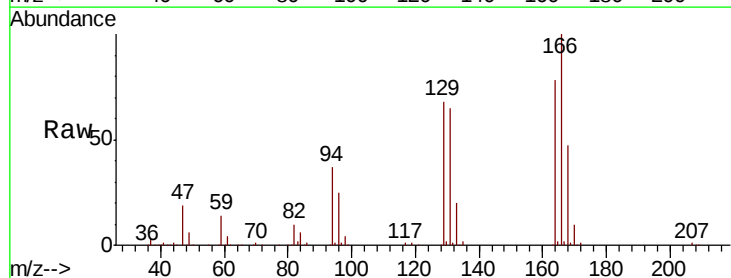
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion:117 Resp: 411238
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.6
119 33.9 29.3 43.9



#64
Tetrachloroethene
Concen: 19.92 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion:164 Resp: 80931
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 87.3 69.4 104.0
131 84.1 67.9 101.9

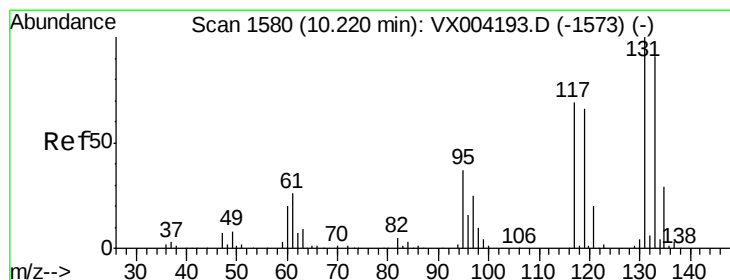
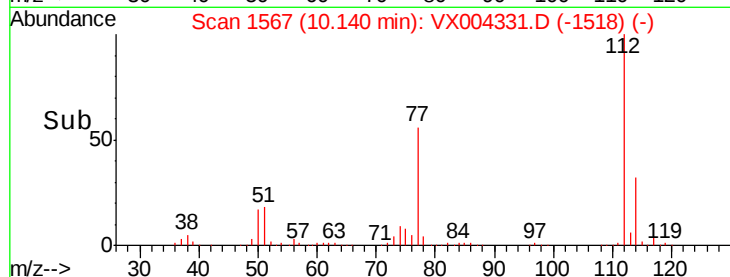
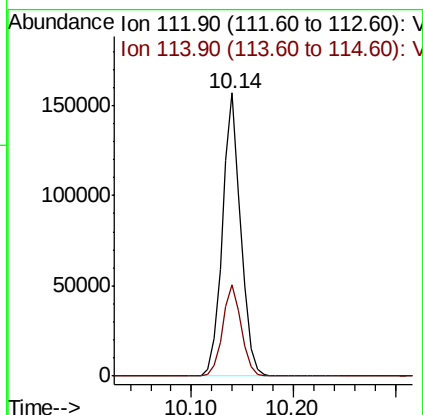
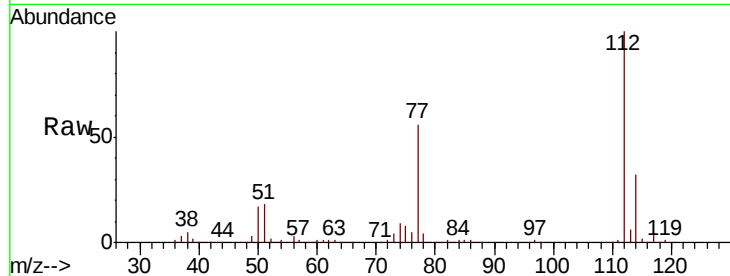




#65
Chlorobenzene
Concen: 18.88 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

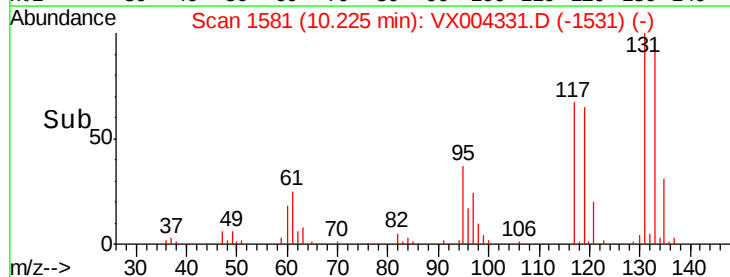
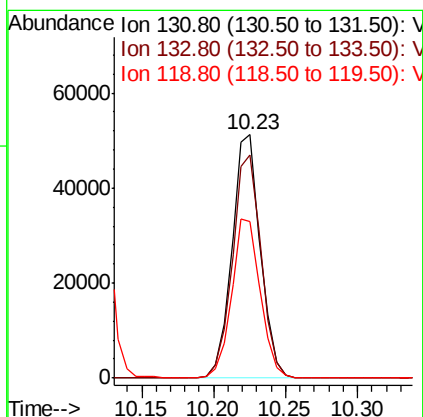
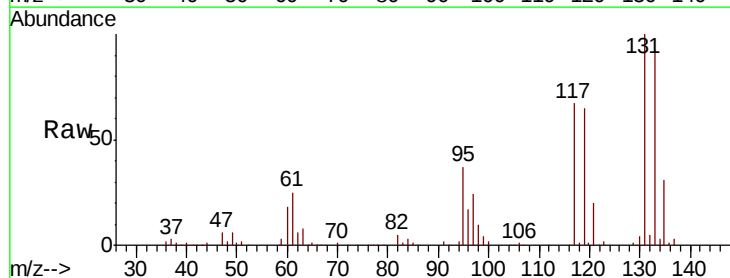
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

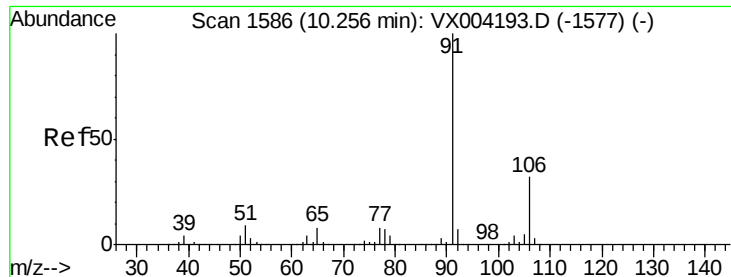
Tot Ion:112 Resp: 194903
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion:131 Resp: 70445
Ion Ratio Lower Upper
131 100
133 92.9 48.1 144.4
119 66.4 32.9 98.6





#67

Ethyl Benzene

Concen: 19.22 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

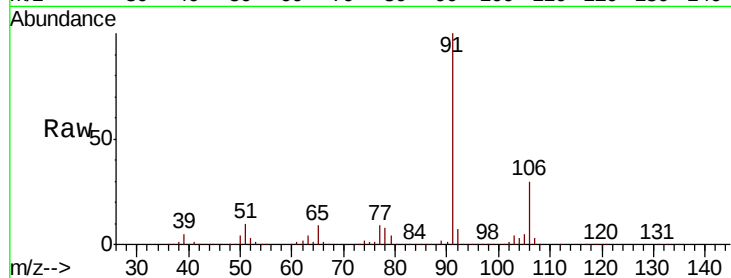
VX0831MBS01

Tot Ion: 91 Resp: 322240

Ion Ratio Lower Upper

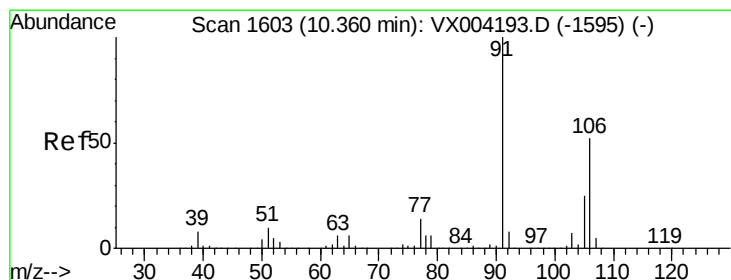
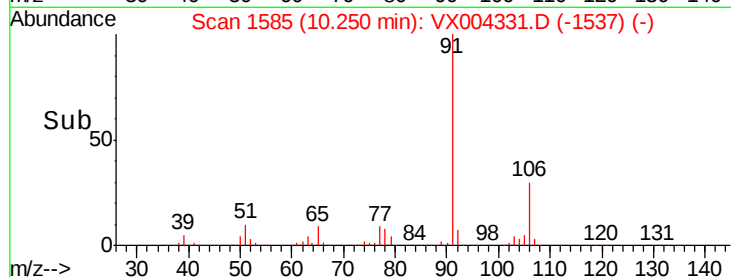
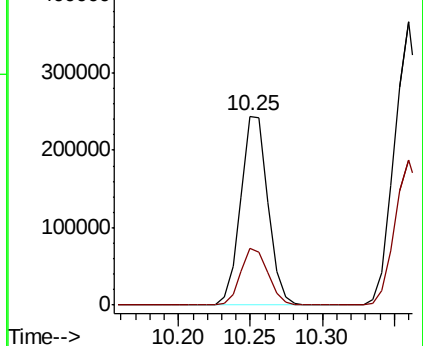
91 100

106 29.8 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.15 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004331.D

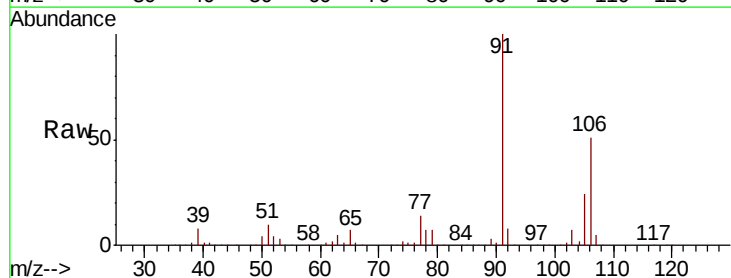
Acq: 31 Aug 2018 17:27

Tgt Ion:106 Resp: 250009

Ion Ratio Lower Upper

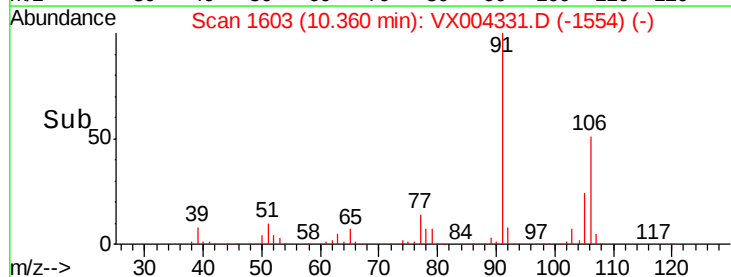
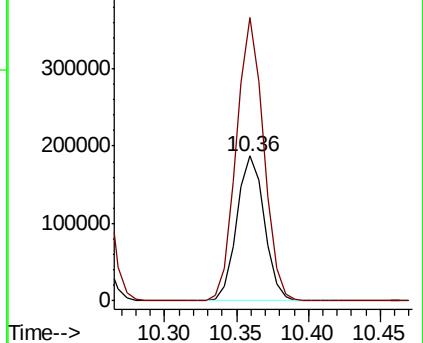
106 100

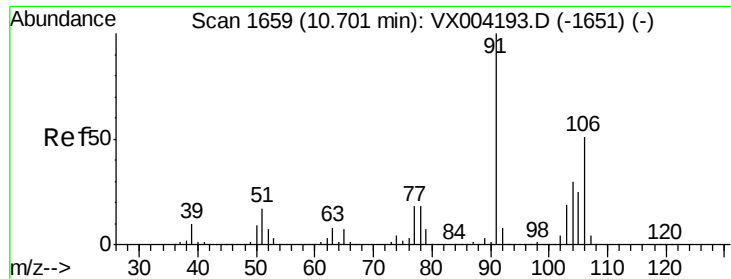
91 194.3 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

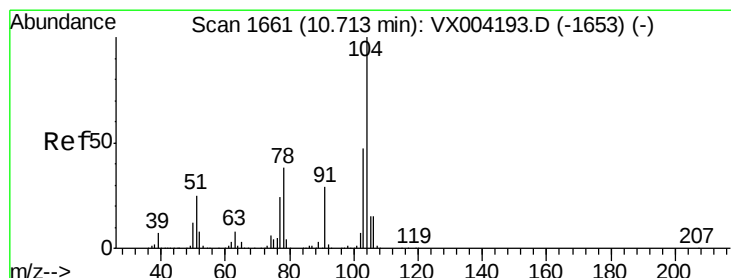
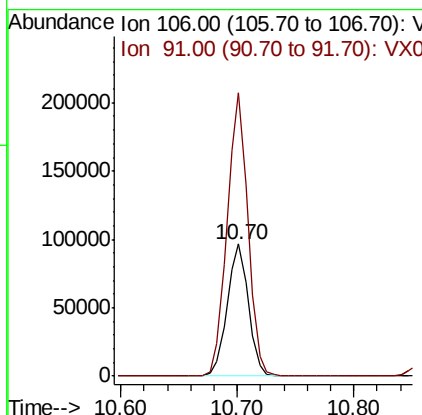
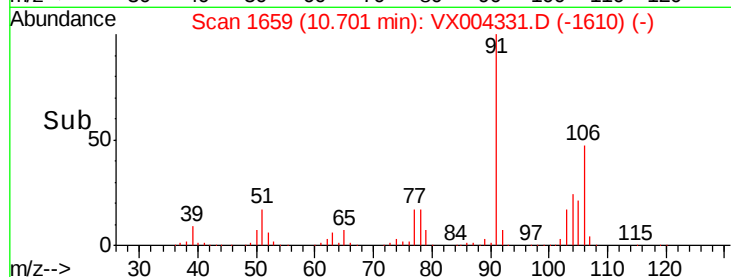
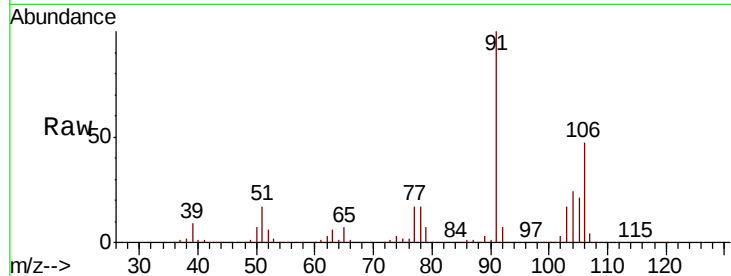




#69
o-Xylene
Concen: 19.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

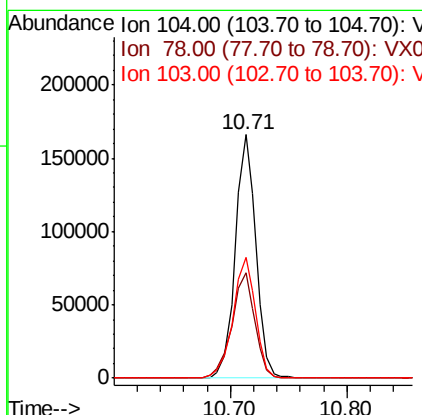
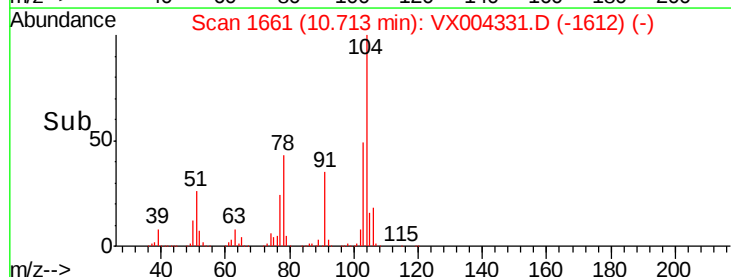
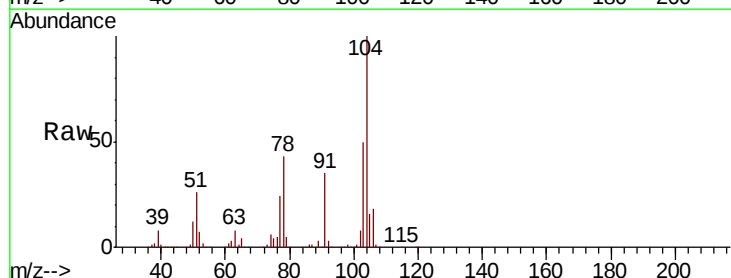
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

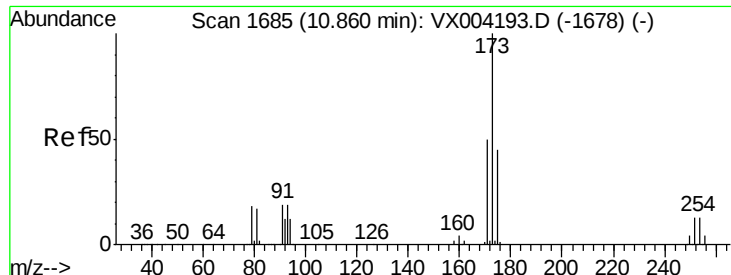
Tot Ion:106 Resp: 121596
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.1



#70
Styrene
Concen: 20.43 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion:104 Resp: 205104
Ion Ratio Lower Upper
104 100
78 48.3 37.4 56.0
103 54.0 43.8 65.6





#71

Bromoform

Concen: 18.66 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

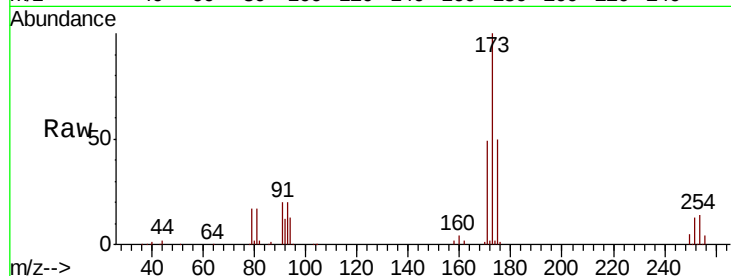
Tot Ion:173 Resp: 53544

Ion Ratio Lower Upper

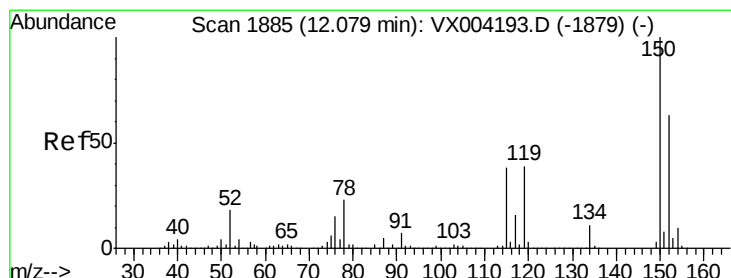
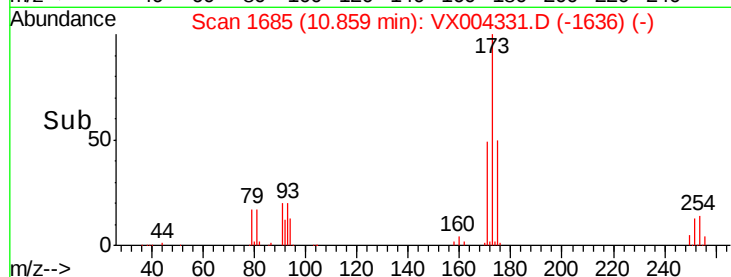
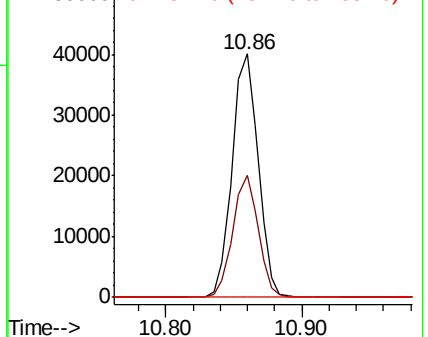
173 100

175 49.1 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

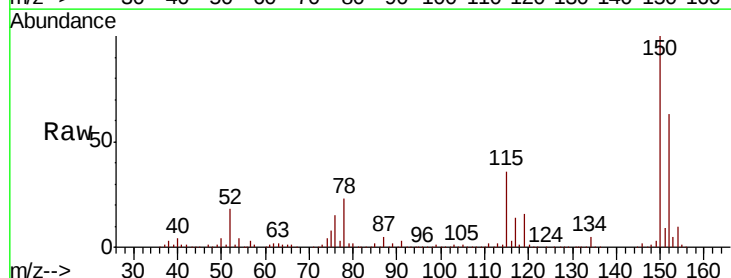
Tgt Ion:152 Resp: 249740

Ion Ratio Lower Upper

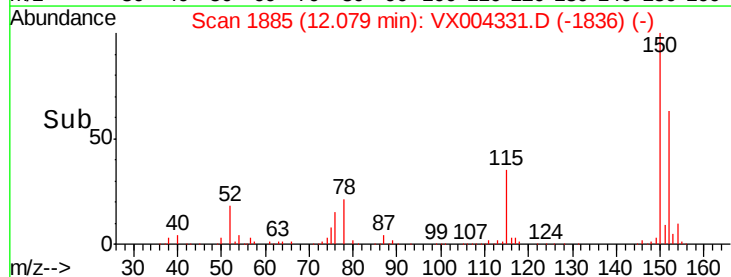
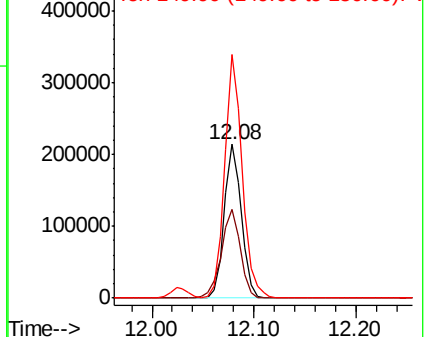
152 100

115 64.7 39.0 117.0

150 161.8 0.0 351.0



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: 20.95 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

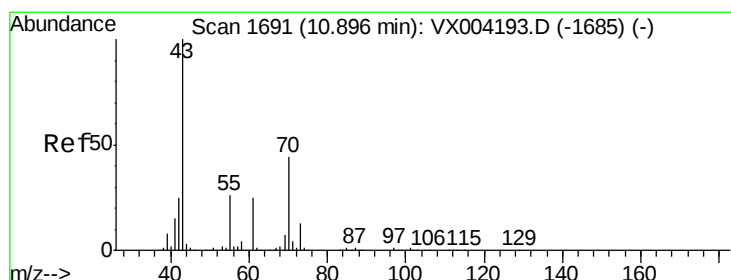
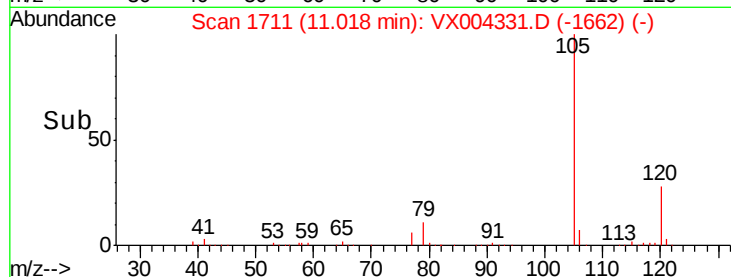
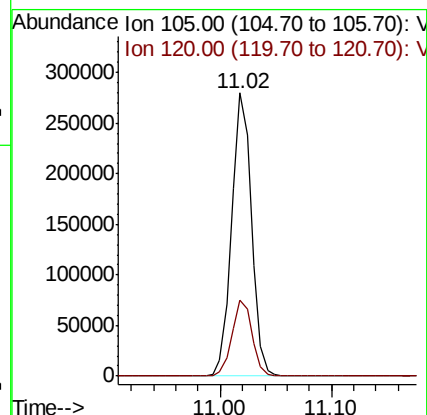
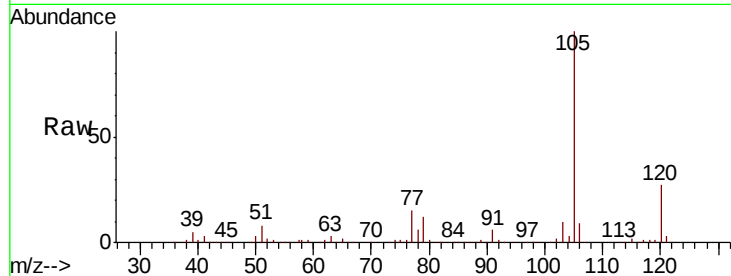
VX0831MBS01

Tot Ion:105 Resp: 343609

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 18.95 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion: 43 Resp: 119654

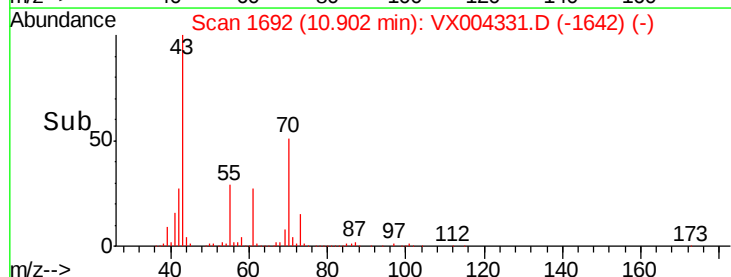
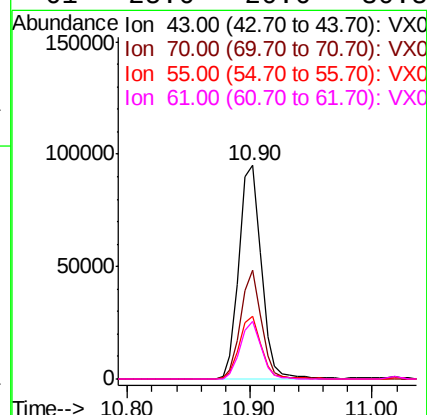
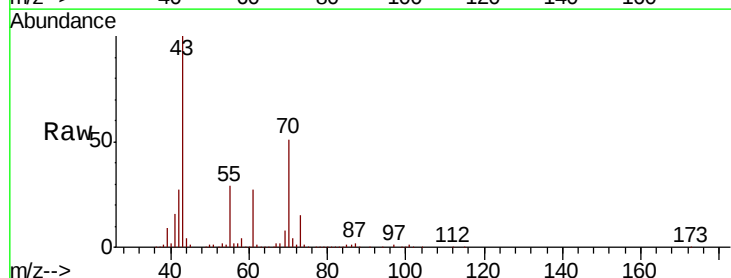
Ion Ratio Lower Upper

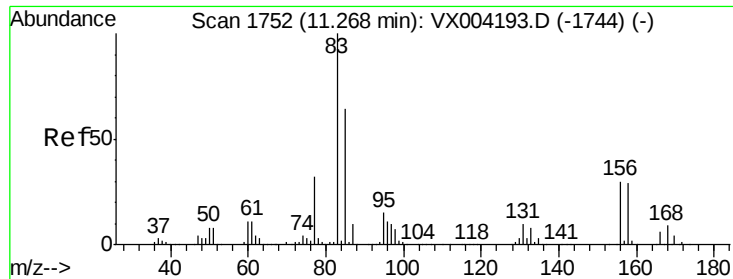
43 100

70 47.3 37.4 56.0

55 29.1 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

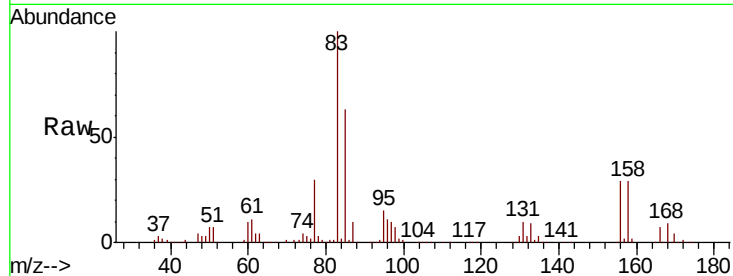
Tot Ion: 83 Resp: 116457

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

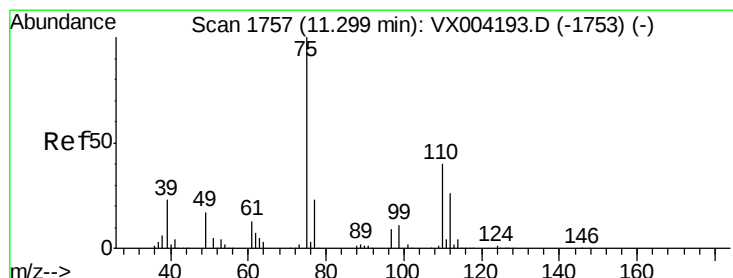
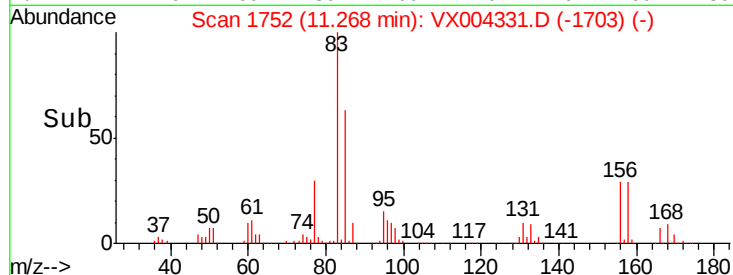
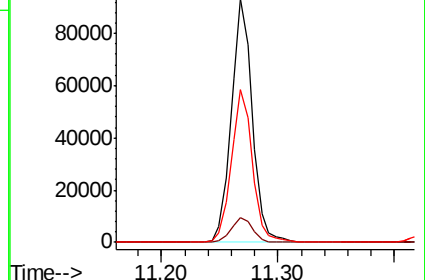
85 63.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.25 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004331.D

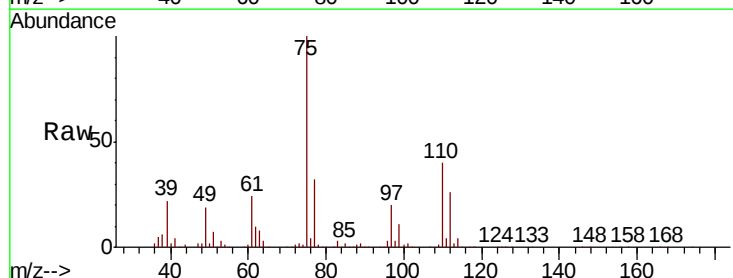
Acq: 31 Aug 2018 17:27

Tgt Ion: 75 Resp: 128242

Ion Ratio Lower Upper

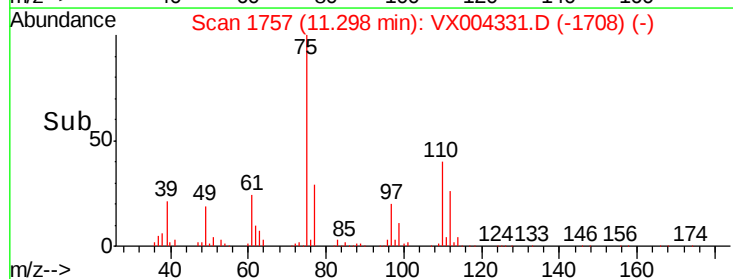
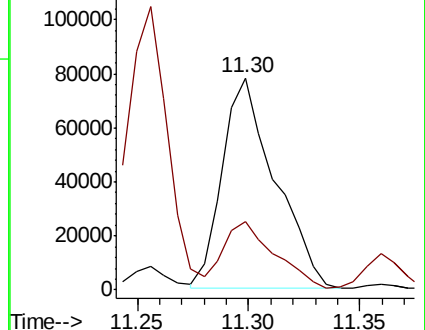
75 100

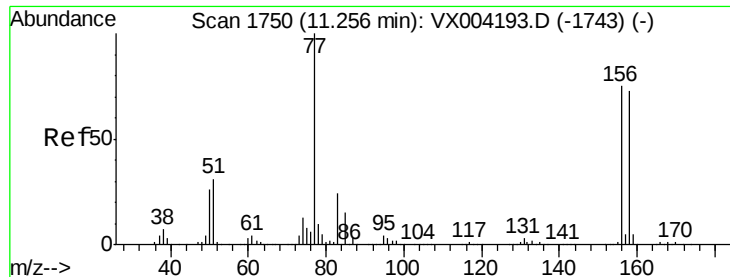
77 31.9 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

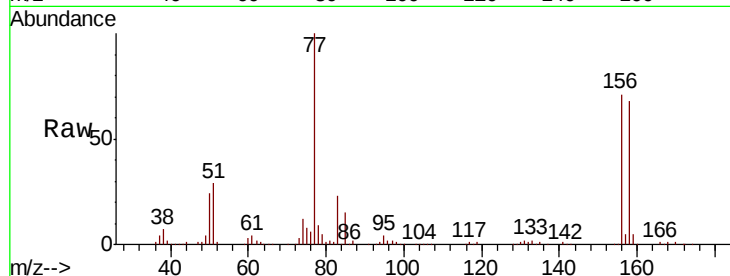
Tot Ion:156 Resp: 92370

Ion Ratio Lower Upper

156 100

77 145.1 71.5 214.3

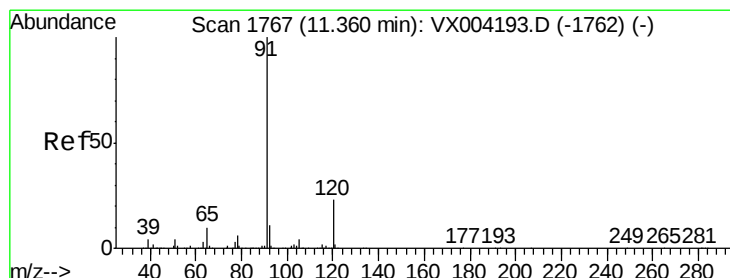
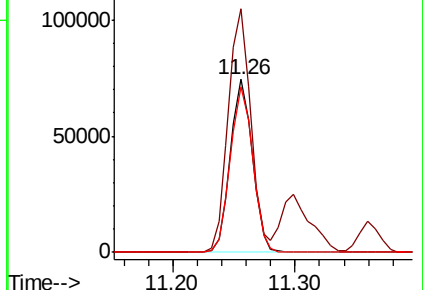
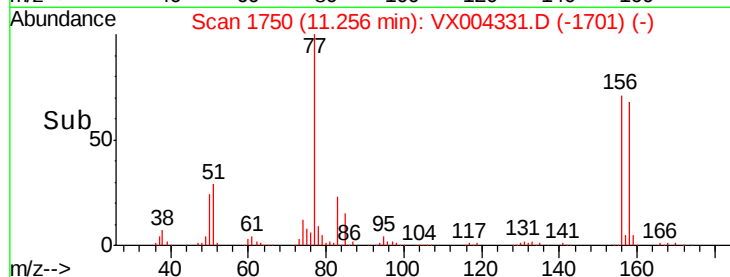
158 97.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004331.D

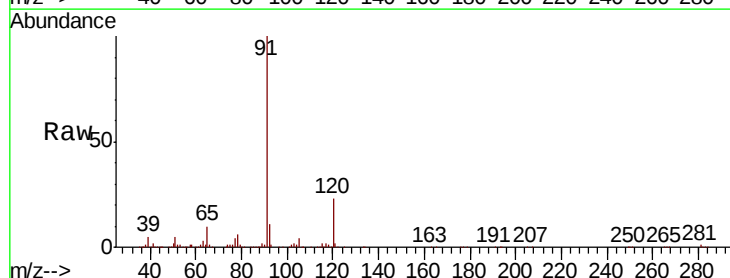
Acq: 31 Aug 2018 17:27

Tgt Ion: 91 Resp: 390633

Ion Ratio Lower Upper

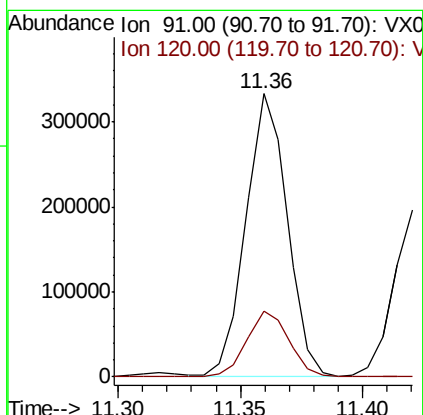
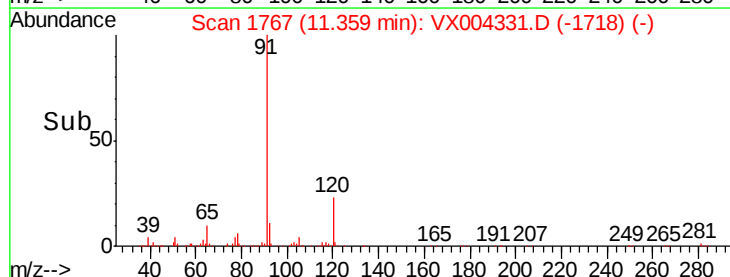
91 100

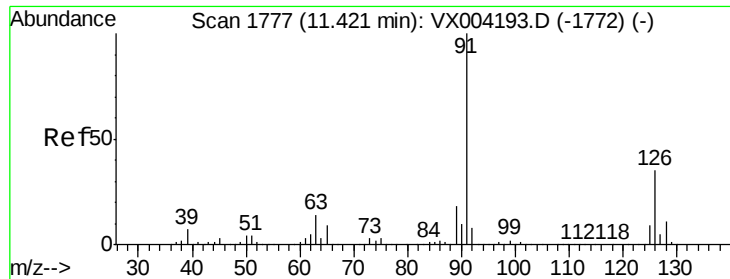
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

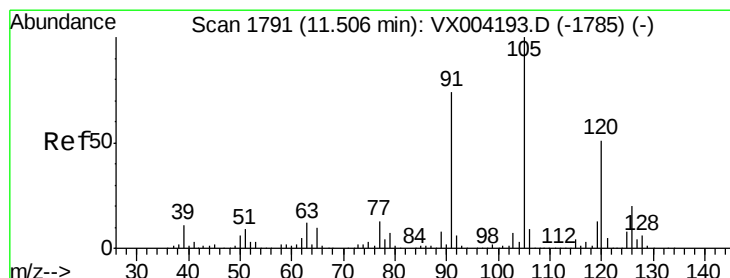
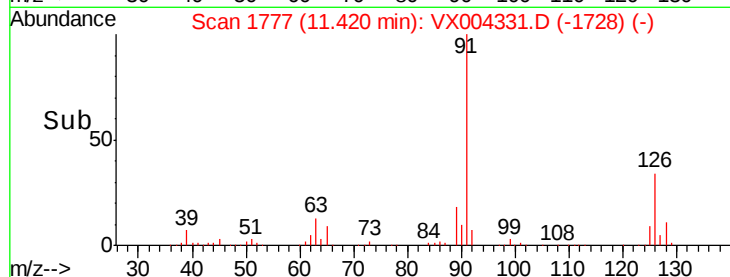
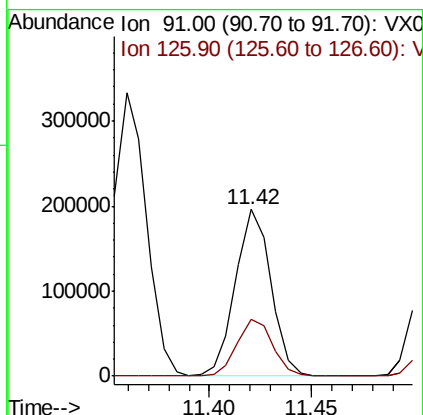
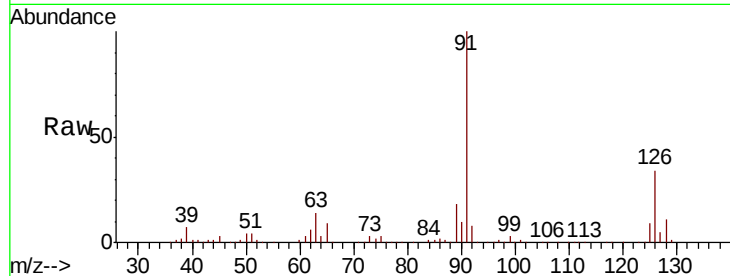




#79
 2-Chlorotoluene
 Concen: 20.26 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

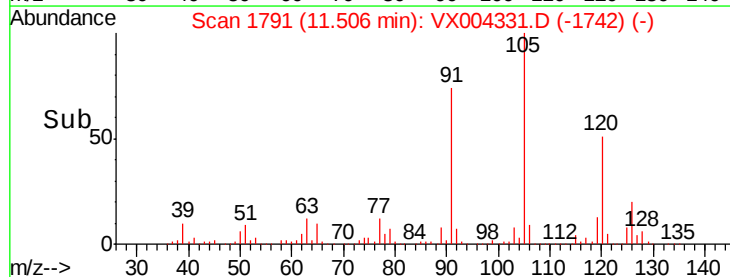
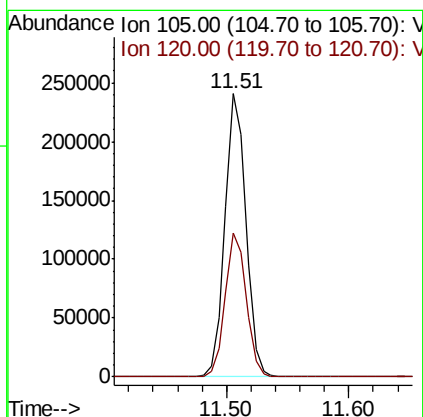
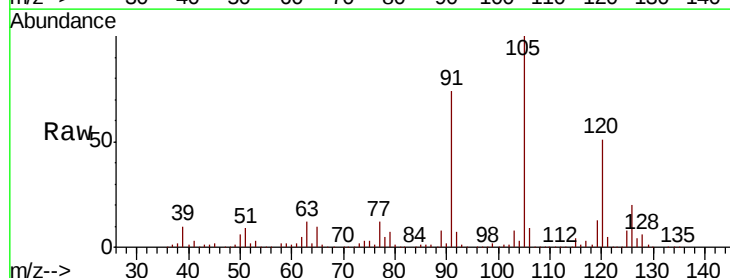
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion: 91 Resp: 235242
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.90 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion:105 Resp: 283896
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.76 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

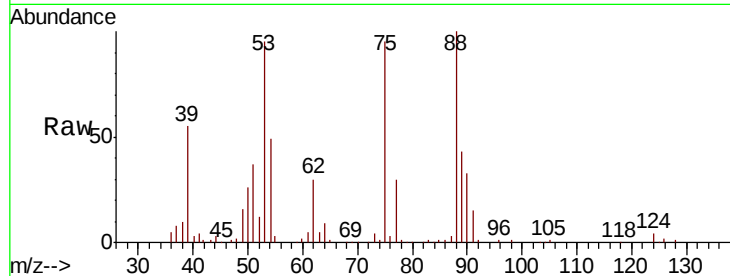
Tot Ion: 75 Resp: 29374

Ion Ratio Lower Upper

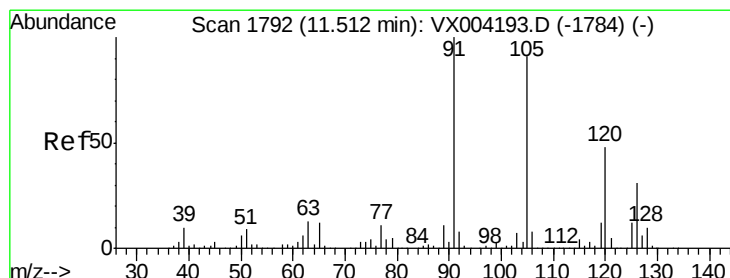
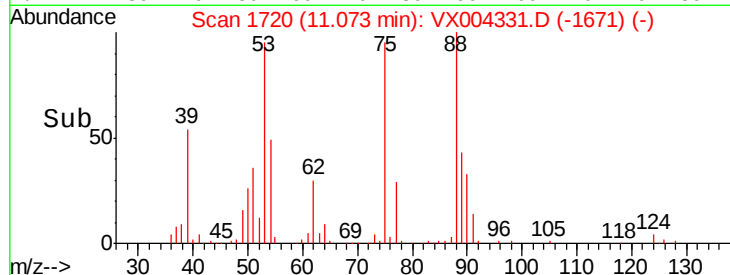
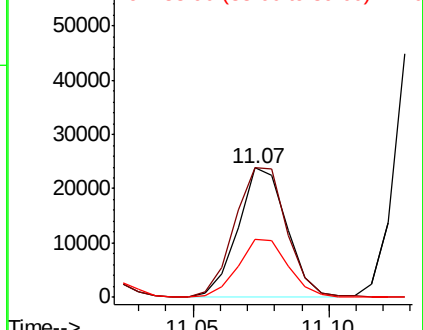
75 100

53 106.2 80.1 120.1

89 46.9 37.2 55.8



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



#82

4-Chlorotoluene

Concen: 20.09 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004331.D

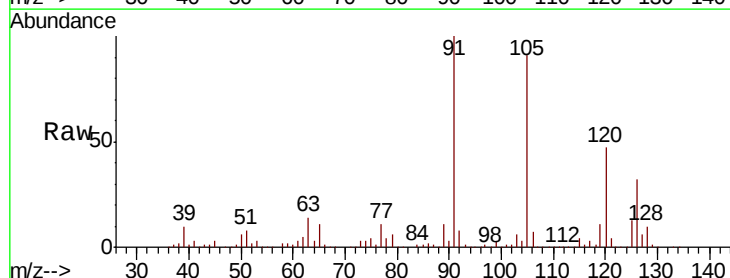
Acq: 31 Aug 2018 17:27

Tgt Ion: 91 Resp: 274510

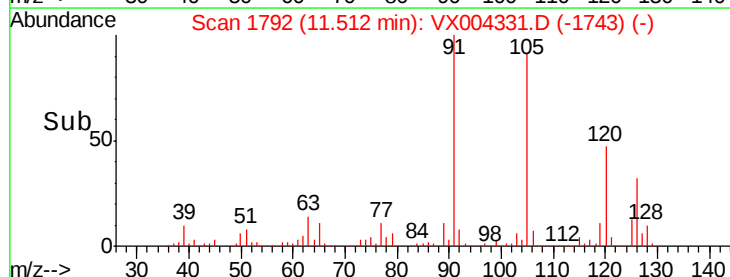
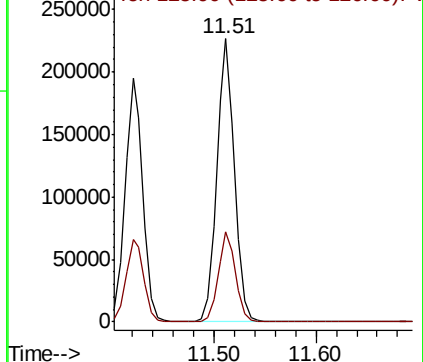
Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5



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

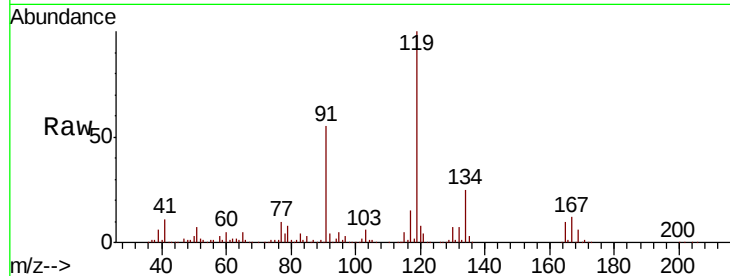




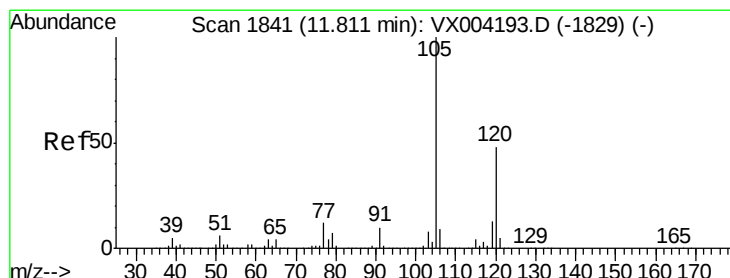
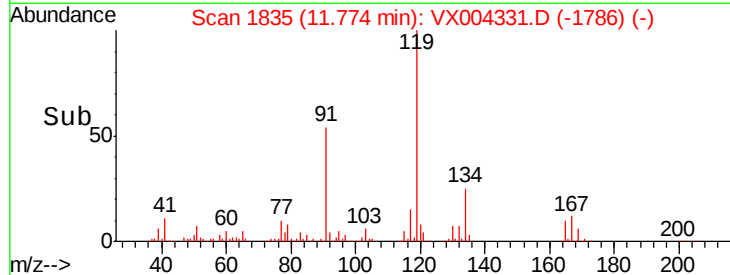
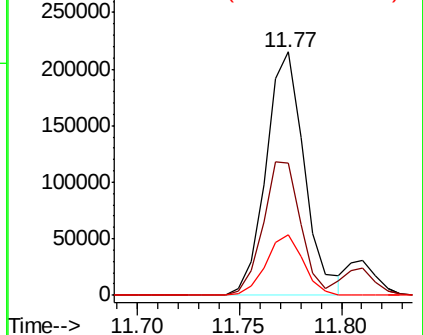
#83
tert-Butylbenzene
Concen: 20.62 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.9	27.0	81.0
134	24.1	11.7	35.1

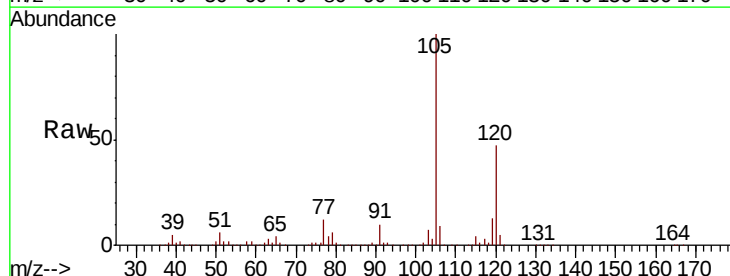


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

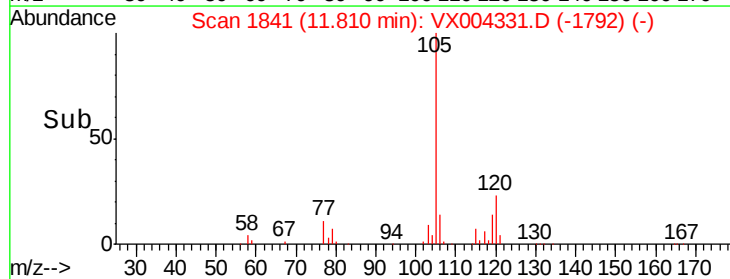
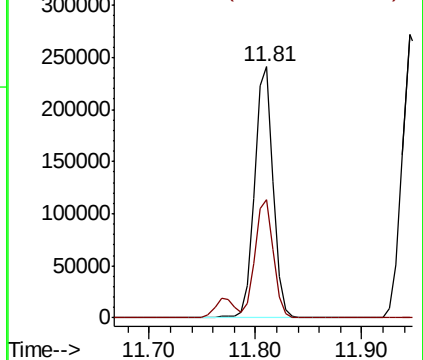


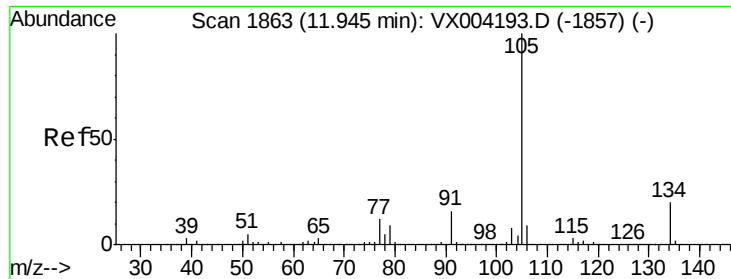
#84
1,2,4-Trimethylbenzene
Concen: 21.05 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6



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





#85

sec-Butylbenzene

Concen: 21.16 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

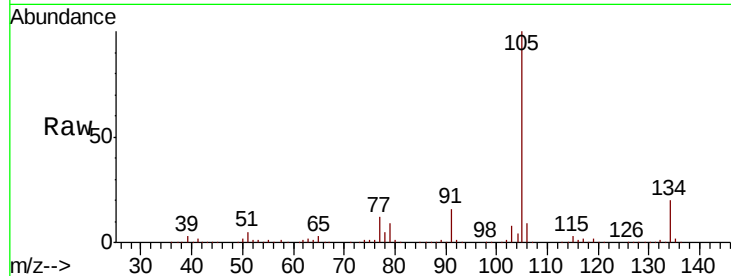
VX0831MBS01

Tot Ion:105 Resp: 343275

Ion Ratio Lower Upper

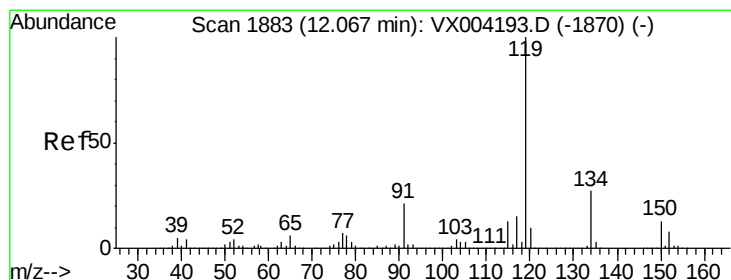
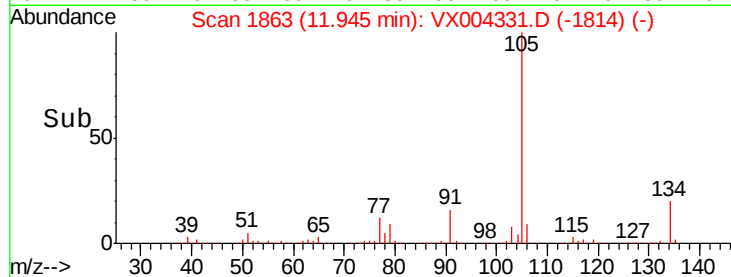
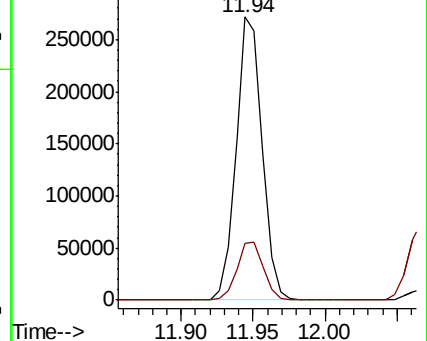
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

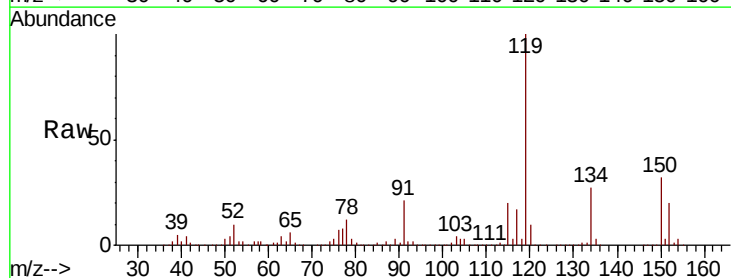
Tgt Ion:119 Resp: 309491

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

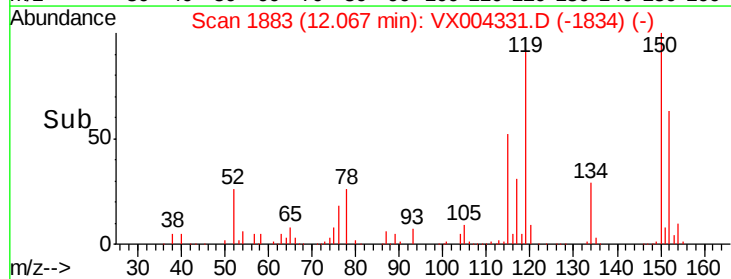
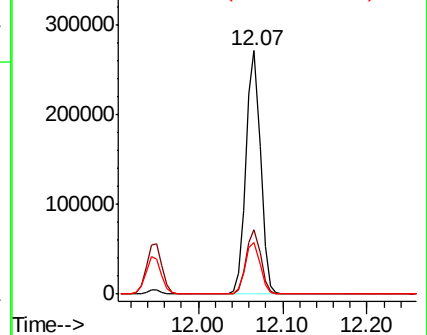
91 21.9 10.9 32.7

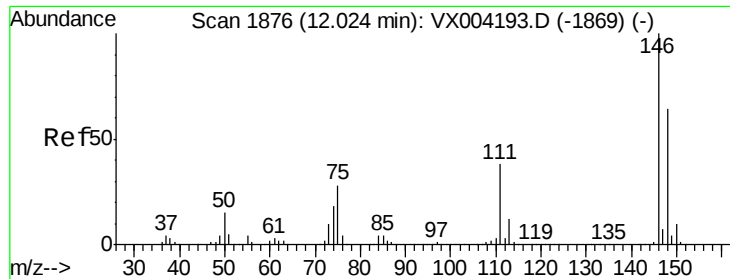


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

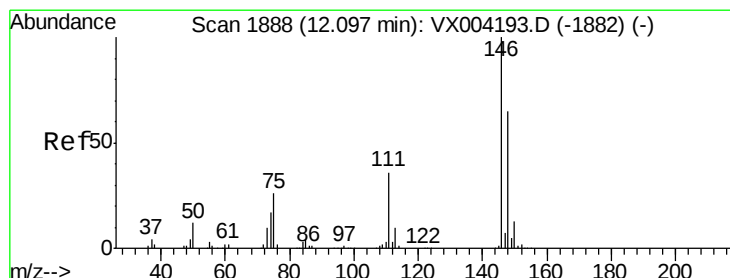
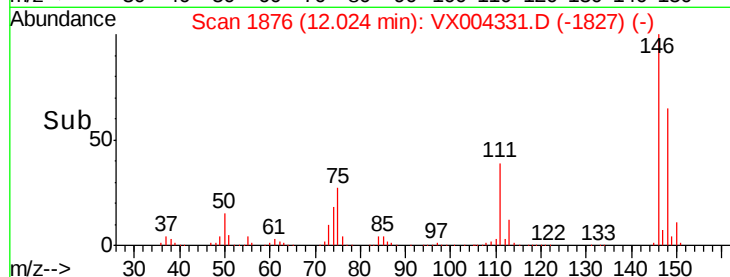
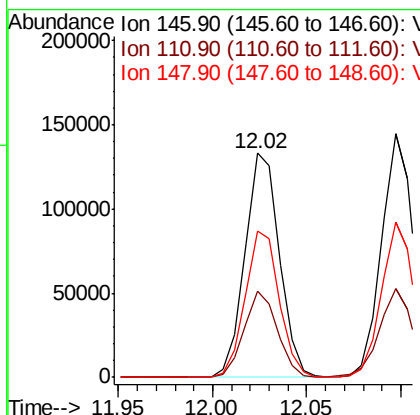
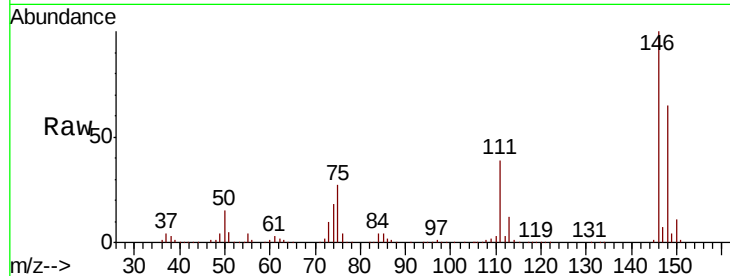




#87
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

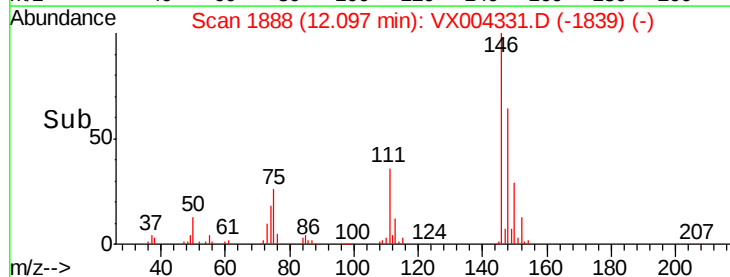
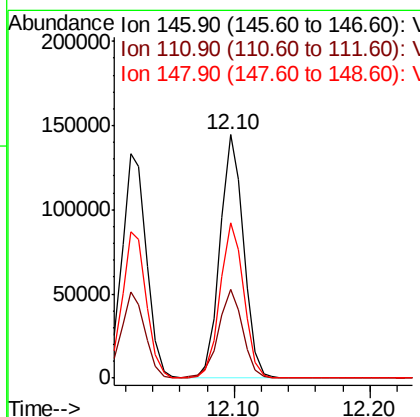
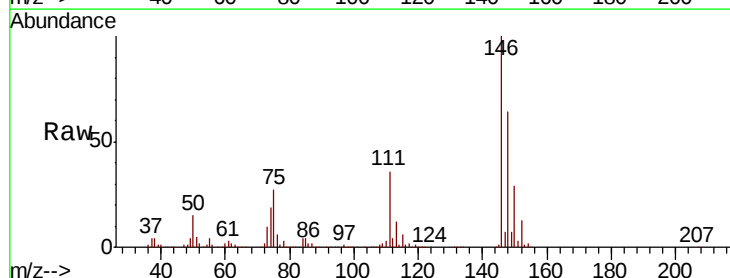
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

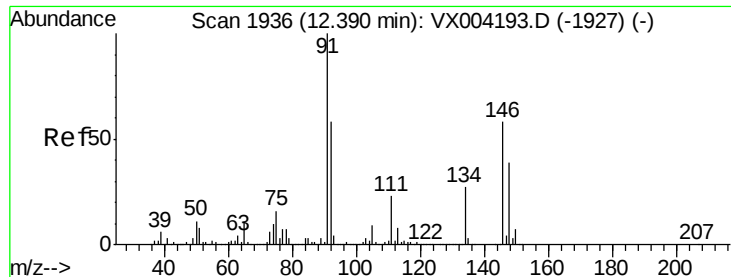
Tot Ion:146 Resp: 169139
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion:146 Resp: 173615
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.1 54.1
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 19.96 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

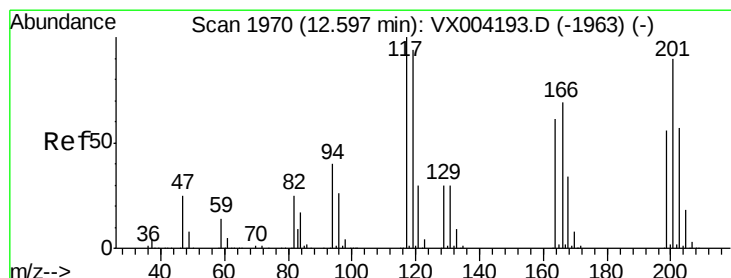
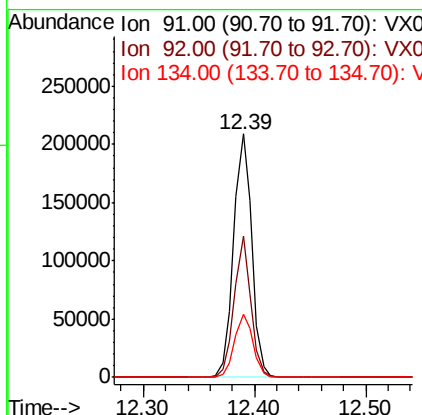
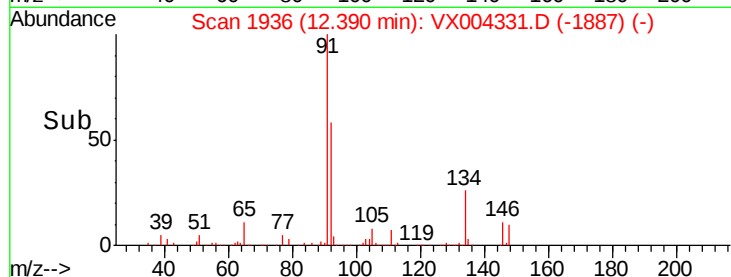
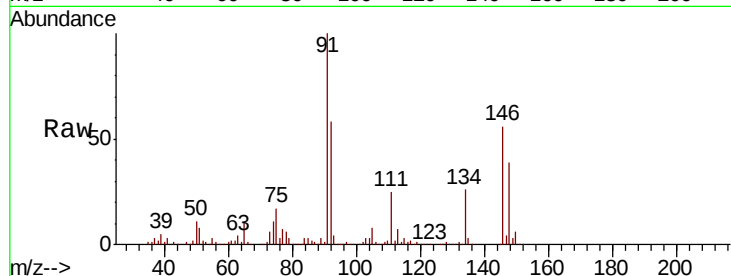
Tot Ion: 91 Resp: 236068

Ion Ratio Lower Upper

91 100

92 53.1 27.3 81.9

134 26.5 13.6 40.7



#90

Hexachloroethane

Concen: 20.58 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004331.D

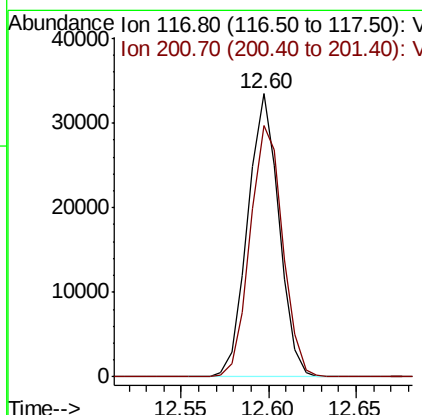
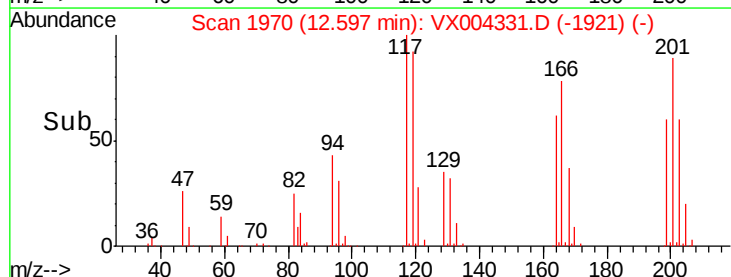
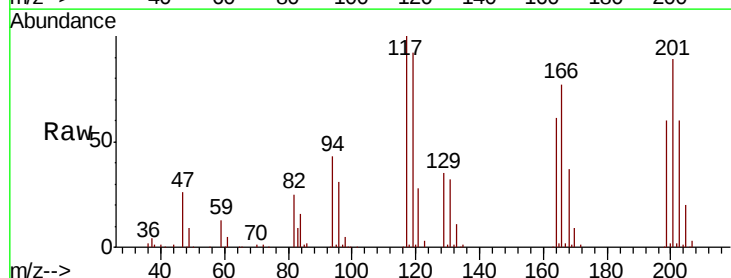
Acq: 31 Aug 2018 17:27

Tgt Ion: 117 Resp: 41822

Ion Ratio Lower Upper

117 100

201 92.6 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 20.48 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

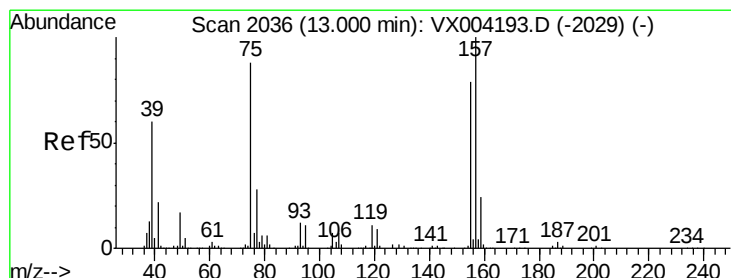
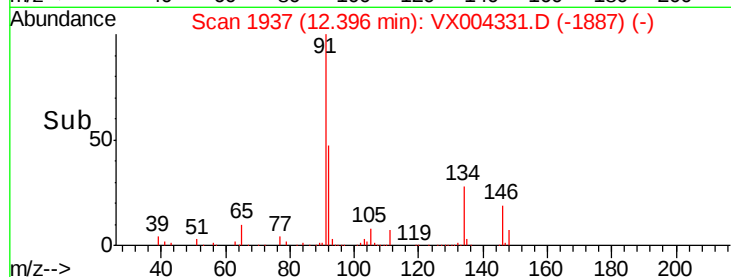
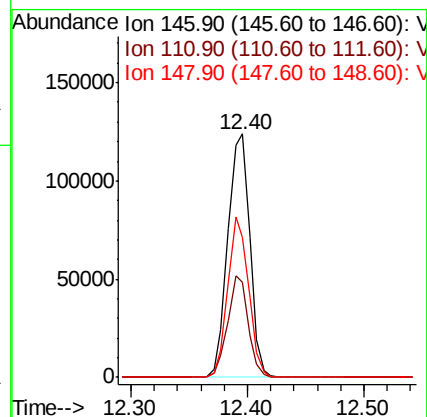
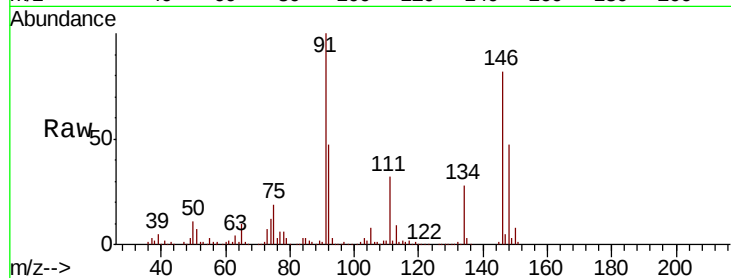
Tot Ion:146 Resp: 162145

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.1

148 61.9 32.8 98.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.33 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

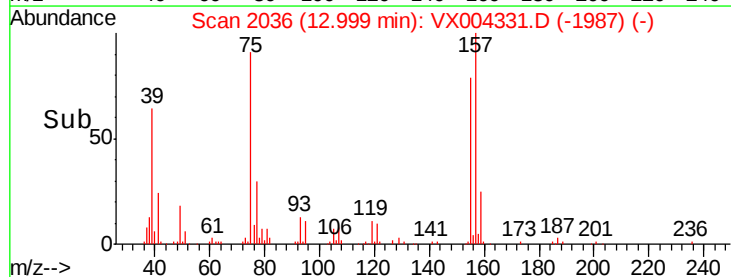
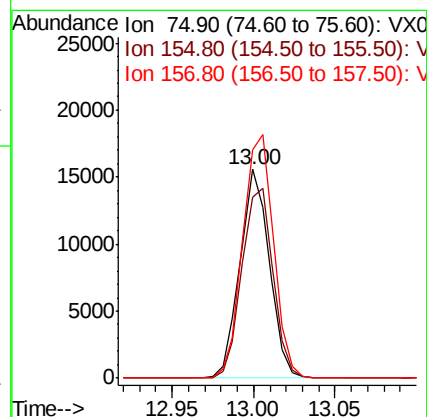
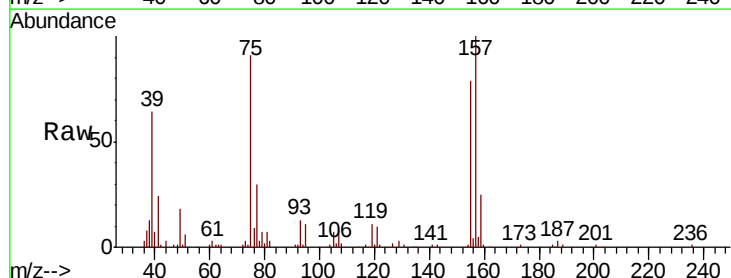
Tgt Ion: 75 Resp: 19541

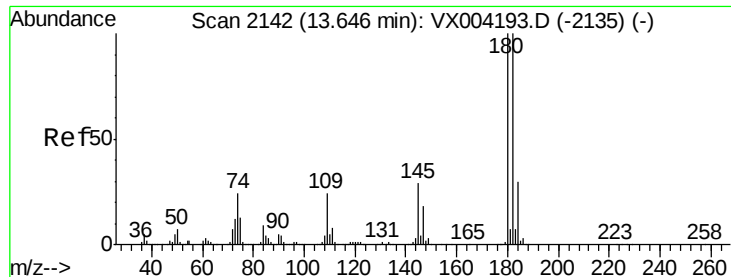
Ion Ratio Lower Upper

75 100

155 96.6 48.0 144.2

157 123.5 61.4 184.1

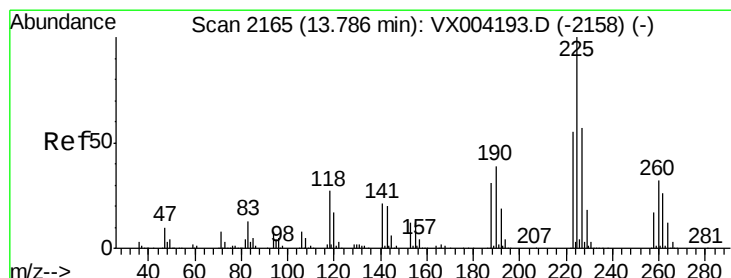
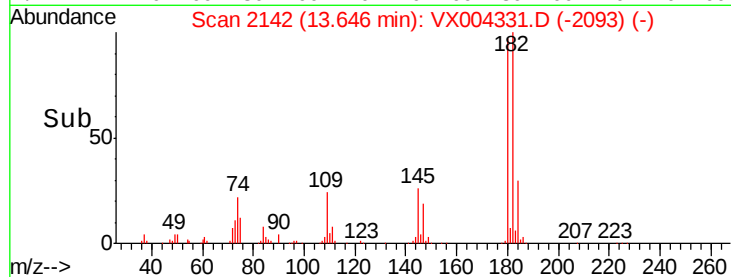
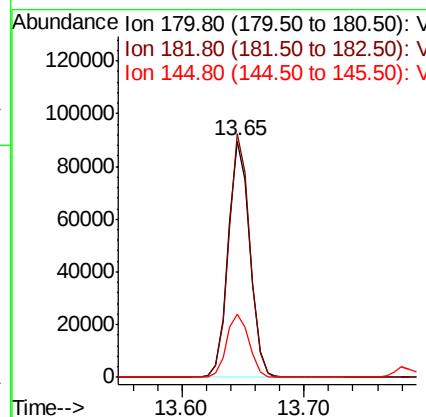
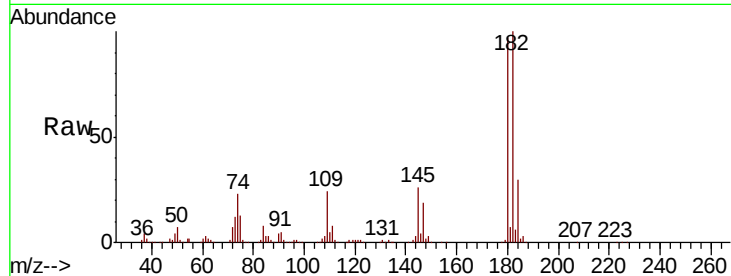




#93
 1,2,4-Trichlorobenzene
 Concen: 18.94 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

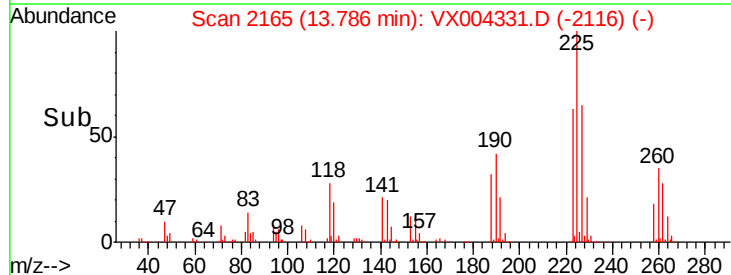
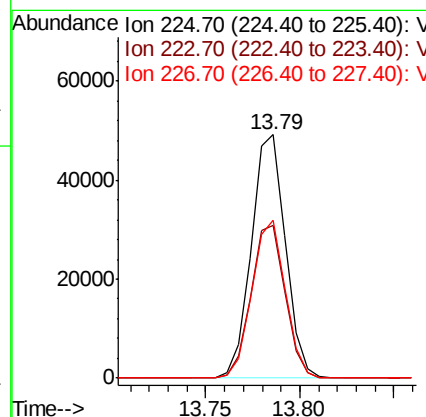
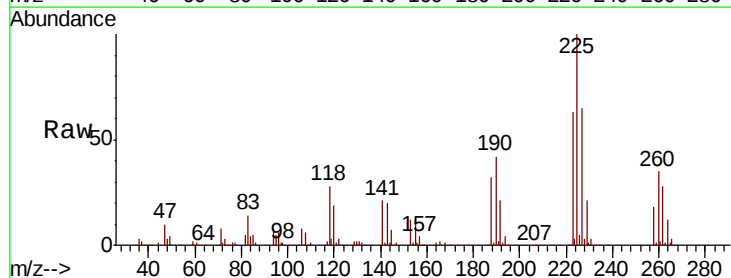
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

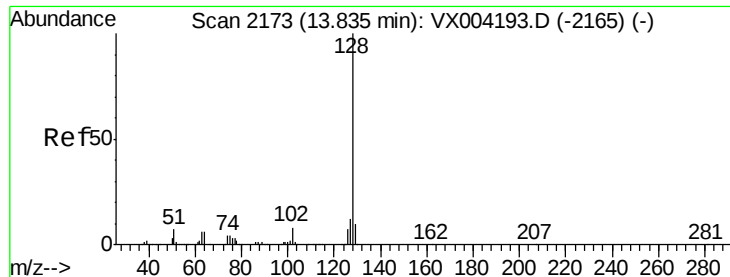
Tot Ion:180 Resp: 109093
 Ion Ratio Lower Upper
 180 100
 182 100.6 48.4 145.0
 145 27.8 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 22.90 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion:225 Resp: 61582
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.1 90.5
 227 63.3 30.8 92.4





#95

Naphthalene

Concen: 20.82 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

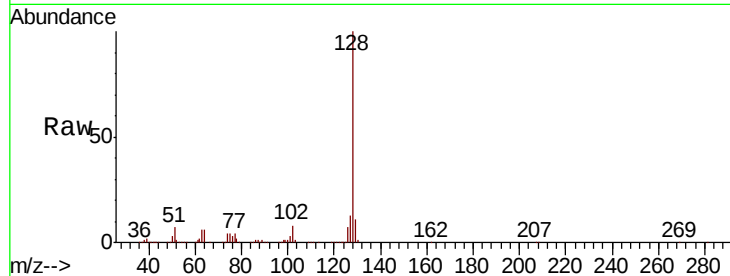
Tot Ion:128 Resp: 339211

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.1 8.6 12.8

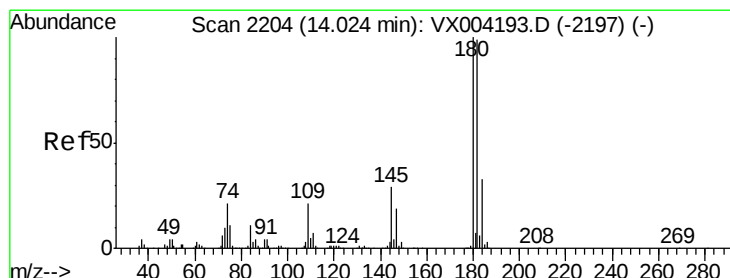
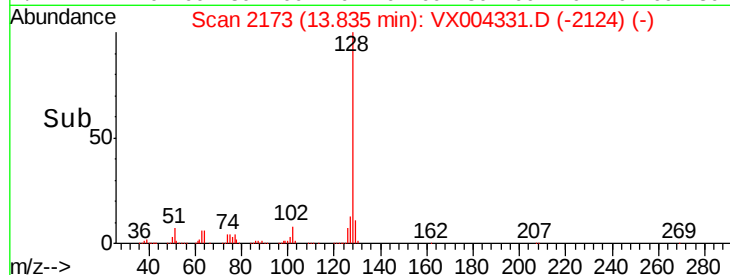
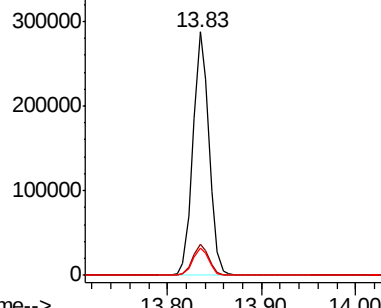


Abundance

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: 20.42 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

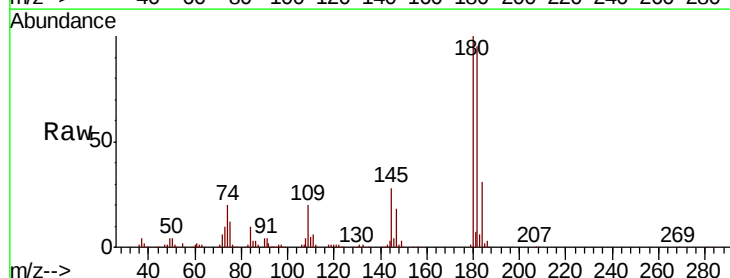
Tgt Ion:180 Resp: 124509

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 29.5 14.9 44.9



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

