

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
 Data File : VX004241.D
 Acq On : 24 Aug 2018 12:43
 Operator : JC/MD
 Sample : VX0824WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Quant Time: Aug 25 00:26:36 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	346349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	208857	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.50	113	179311	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.71	98	685551	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.14	95	242131	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	81322	20.27	ug/l	97
3) Chloromethane	1.32	50	78362	17.86	ug/l	99
4) Vinyl Chloride	1.40	62	86253	19.01	ug/l	99
5) Bromomethane	1.64	94	44749	18.74	ug/l	100
6) Chloroethane	1.72	64	56144	16.79	ug/l	99
7) Trichlorofluoromethane	1.93	101	118449	19.05	ug/l	95
8) Diethyl Ether	2.18	74	49266	18.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74863	19.22	ug/l	99
10) Methyl Iodide	2.51	142	60277	16.81	ug/l	99
11) Tert butyl alcohol	3.06	59	85512	88.87	ug/l	100
12) 1,1-Dichloroethene	2.37	96	69001	18.81	ug/l	97
13) Acrolein	2.29	56	43346	186.84	ug/l	98
14) Allyl chloride	2.73	41	122879	18.23	ug/l	99
15) Acrylonitrile	3.14	53	204570	85.84	ug/l	99
16) Acetone	2.44	43	177857	91.39	ug/l	100
17) Carbon Disulfide	2.57	76	182441	18.42	ug/l	99
18) Methyl Acetate	2.78	43	126945	18.95	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	228905	18.93	ug/l	97
20) Methylene Chloride	2.85	84	78891	18.15	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	74072	18.24	ug/l	95
22) Diisopropyl ether	3.87	45	224672	17.85	ug/l	96
23) Vinyl Acetate	3.82	43	899967	88.22	ug/l	99
24) 1,1-Dichloroethane	3.69	63	136811	18.65	ug/l	99
25) 2-Butanone	4.70	43	266657	86.29	ug/l	98
26) 2,2-Dichloropropane	4.58	77	107468	18.68	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	84092	18.26	ug/l	99
28) Bromochloromethane	5.01	49	61017	18.79	ug/l	100
29) Tetrahydrofuran	5.15	42	166264	85.72	ug/l	97
30) Chloroform	5.21	83	135400	18.41	ug/l	96
31) Cyclohexane	5.57	56	118724	18.76	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	114170	18.62	ug/l	99
36) 1,1-Dichloropropene	5.80	75	104078	18.92	ug/l	99
37) Ethyl Acetate	4.85	43	98801	18.26	ug/l	99
38) Carbon Tetrachloride	5.77	117	97877	18.91	ug/l	98

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 VX0824WBS01

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 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)
39) Methylcyclohexane	7.46	83	120323	19.15	ug/l	98
40) Benzene	6.14	78	312264	18.99	ug/l	100
41) Methacrylonitrile	5.06	41	56970	18.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	103476	18.45	ug/l	100
43) Isopropyl Acetate	6.46	43	150368	18.08	ug/l	99
44) Trichloroethene	7.21	130	85459	18.78	ug/l	97
45) 1,2-Dichloropropane	7.51	63	78418	19.06	ug/l	99
46) Dibromomethane	7.66	93	51174	18.68	ug/l	99
47) Bromodichloromethane	7.90	83	95050	18.64	ug/l	99
48) Methyl methacrylate	7.77	41	80233	18.03	ug/l	98
49) 1,4-Dioxane	7.75	88	37507	371.31	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	517300	85.63	ug/l	99
52) Toluene	8.79	92	199750	19.41	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	105683	18.77	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	118815	19.37	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	78890	18.99	ug/l	99
56) Ethyl methacrylate	9.18	69	108326	19.15	ug/l	98
57) 1,3-Dichloropropane	9.37	76	133671	19.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	297013	102.50	ug/l	100
59) 2-Hexanone	9.49	43	395234	85.75	ug/l	100
60) Dibromochloromethane	9.59	129	75773	18.72	ug/l	100
61) 1,2-Dibromoethane	9.67	107	81403	18.93	ug/l	99
64) Tetrachloroethene	9.34	164	83260	18.44	ug/l	99
65) Chlorobenzene	10.14	112	217791	18.99	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	70527	17.83	ug/l	98
67) Ethyl Benzene	10.25	91	352913	18.94	ug/l	98
68) m/p-Xylenes	10.36	106	273643	37.56	ug/l	98
69) o-Xylene	10.70	106	123859	17.97	ug/l	96
70) Styrene	10.71	104	210926	18.90	ug/l	99
71) Bromoform	10.86	173	54136	16.97	ug/l #	100
73) Isopropylbenzene	11.02	105	361556	23.05	ug/l	100
74) N-amyl acetate	10.90	43	123738	20.49	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	114112	20.79	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	125162	25.77	ug/l	86
77) Bromobenzene	11.26	156	94427	21.46	ug/l	99
78) n-propylbenzene	11.36	91	402589	22.32	ug/l	99
79) 2-Chlorotoluene	11.42	91	248760	22.41	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	287383	22.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	29627	19.79	ug/l	96
82) 4-Chlorotoluene	11.51	91	277244	21.22	ug/l	97
83) tert-Butylbenzene	11.77	119	279700	21.41	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	288897	21.67	ug/l	100
85) sec-Butylbenzene	11.94	105	320847	20.68	ug/l	100
86) p-Isopropyltoluene	12.07	119	289991	20.86	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	160791	19.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	162886	18.65	ug/l	98
89) n-Butylbenzene	12.39	91	244250	21.61	ug/l	99
90) Hexachloroethane	12.60	117	42426	21.83	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158803	20.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20144	20.84	ug/l	98

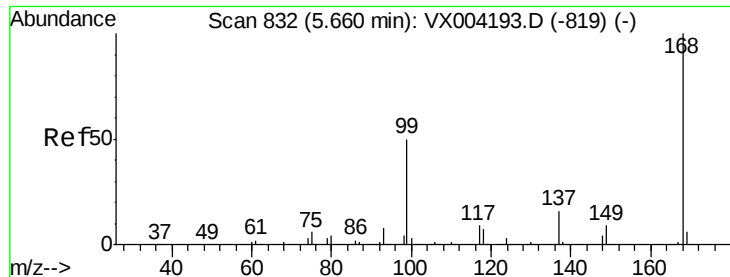
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
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Instrument :
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Quant Time: Aug 25 00:26:36 2018
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114968	20.87	ug/l	100
94) Hexachlorobutadiene	13.79	225	59063	22.98	ug/l	97
95) Naphthalene	13.83	128	363720	23.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	131661	22.58	ug/l	97

(#) = 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: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

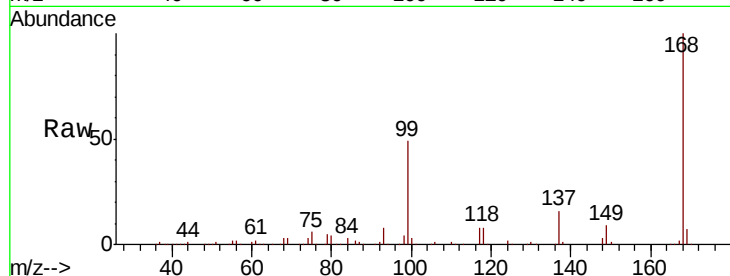
VX0824WBS01

Tot Ion:168 Resp: 346349

Ion Ratio Lower Upper

168 100

99 48.6 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

150000

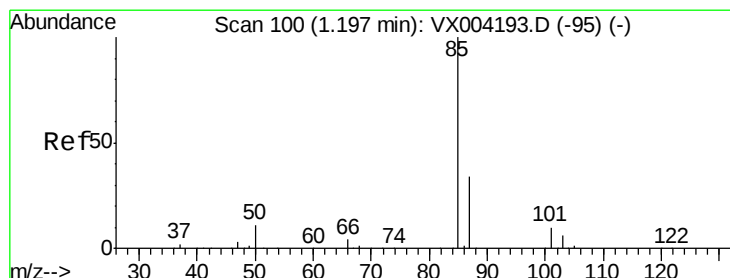
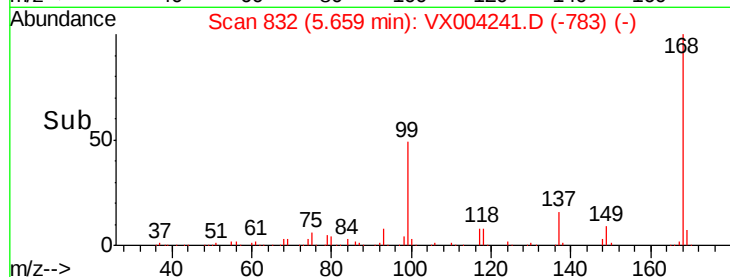
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.27 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004241.D

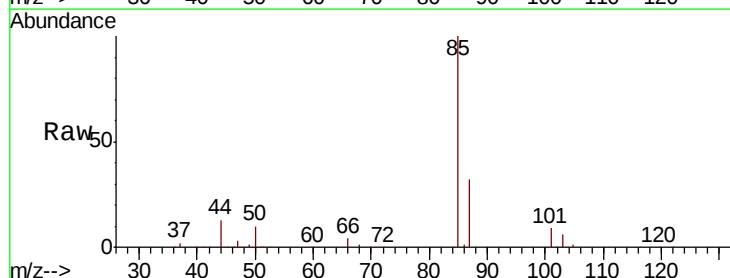
Acq: 24 Aug 2018 12:43

Tgt Ion: 85 Resp: 81322

Ion Ratio Lower Upper

85 100

87 32.0 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

80000

60000

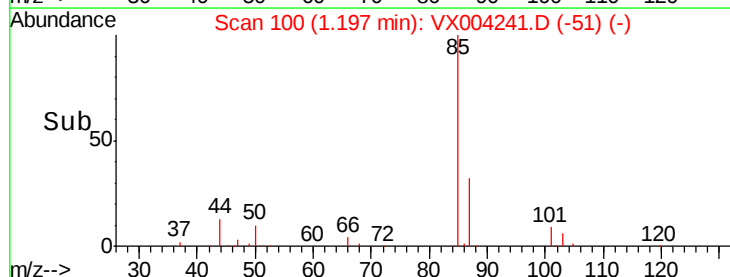
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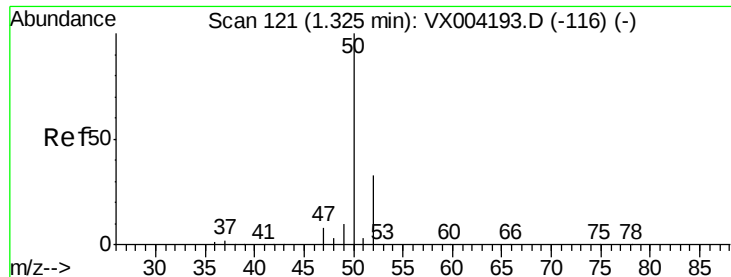
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.86 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

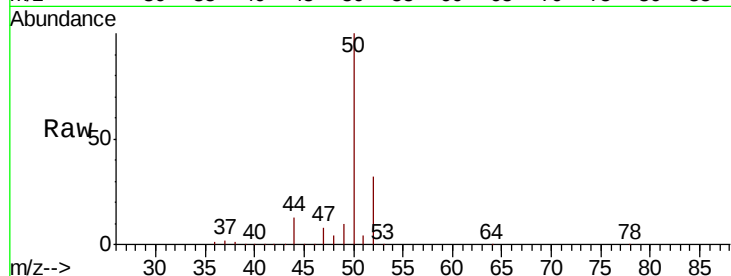
VX0824WBS01

Tot Ion: 50 Resp: 78362

Ion Ratio Lower Upper

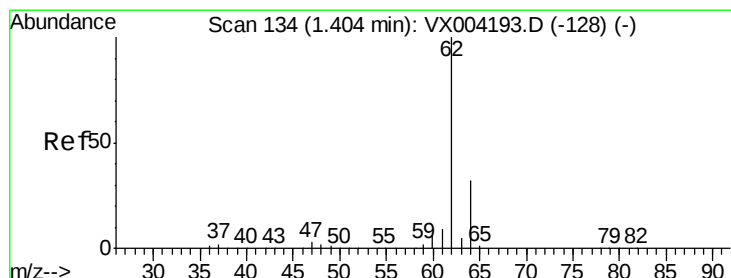
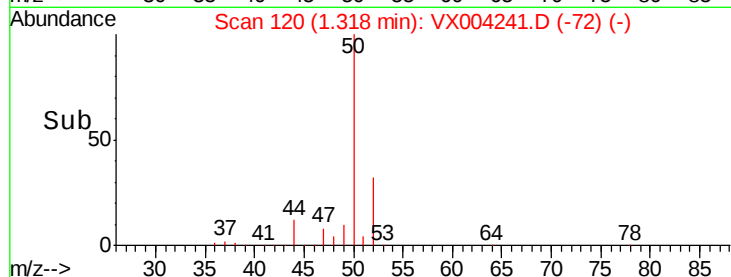
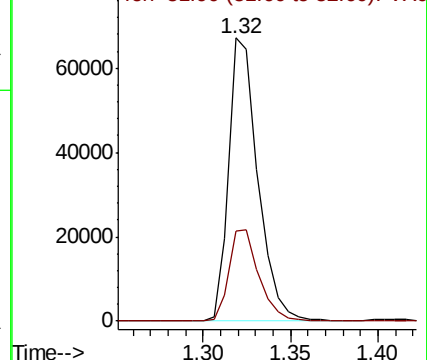
50 100

52 32.0 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: 19.01 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004241.D

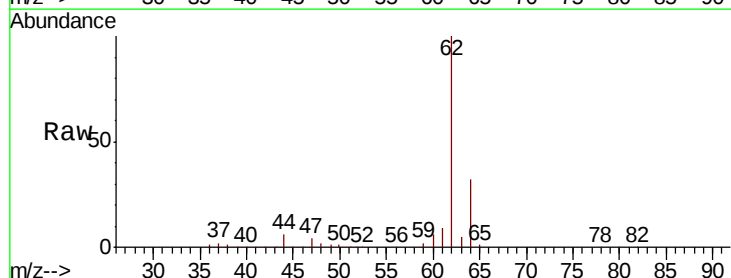
Acq: 24 Aug 2018 12:43

Tgt Ion: 62 Resp: 86253

Ion Ratio Lower Upper

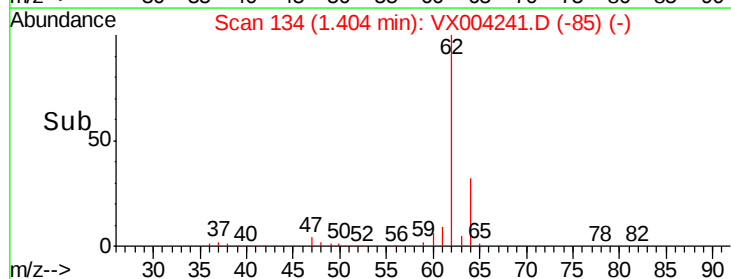
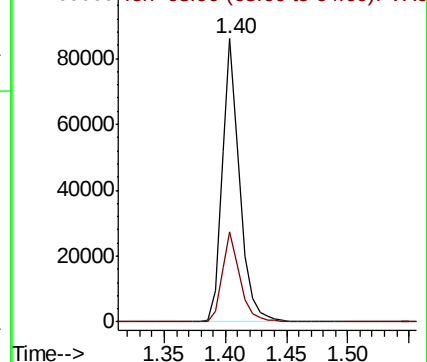
62 100

64 31.9 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: 18.74 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

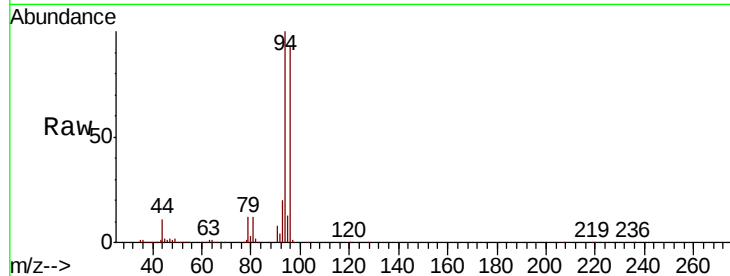
VX0824WBS01

Tot Ion: 94 Resp: 44749

Ion Ratio Lower Upper

94 100

96 93.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

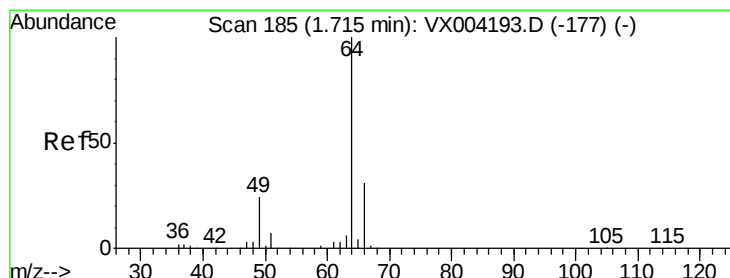
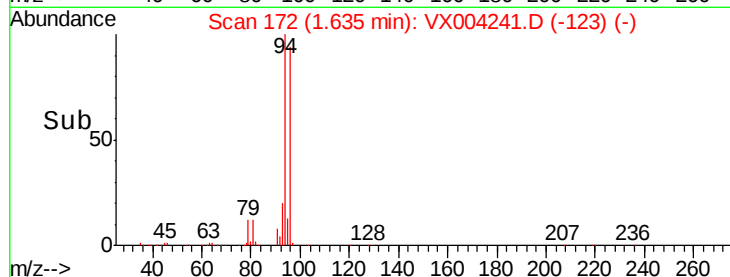
20000

10000

0

Time-->

1.60 1.70



#6

Chloroethane

Concen: 16.79 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004241.D

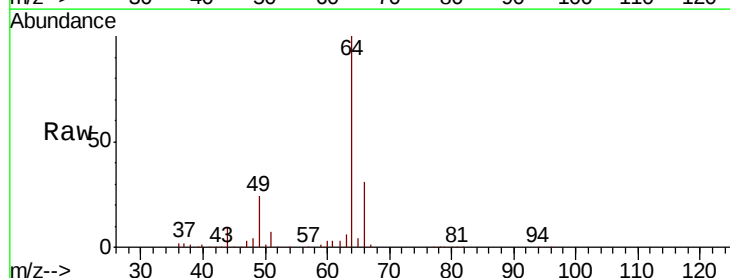
Acq: 24 Aug 2018 12:43

Tgt Ion: 64 Resp: 56144

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

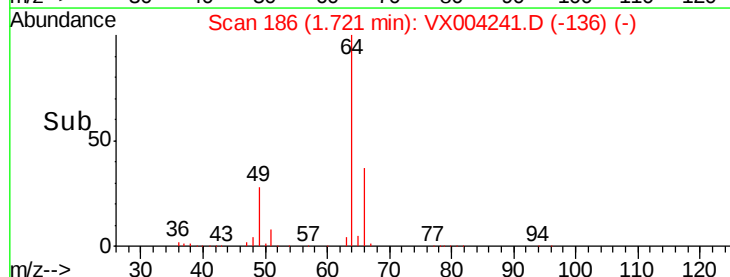
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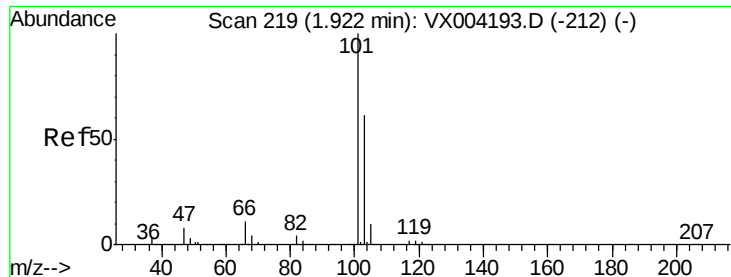
10000

0

Time-->

1.60 1.70 1.80



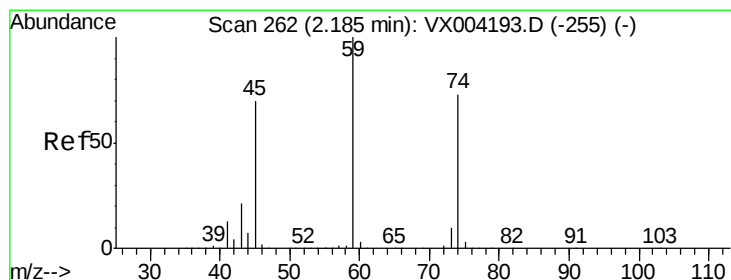
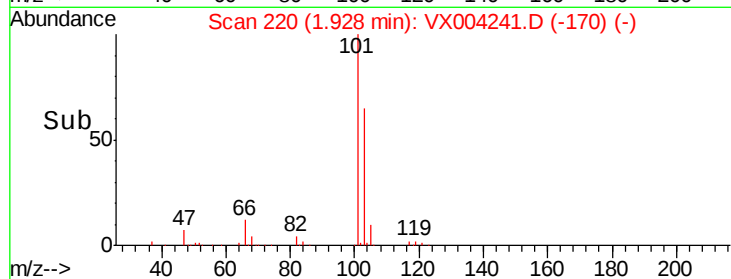
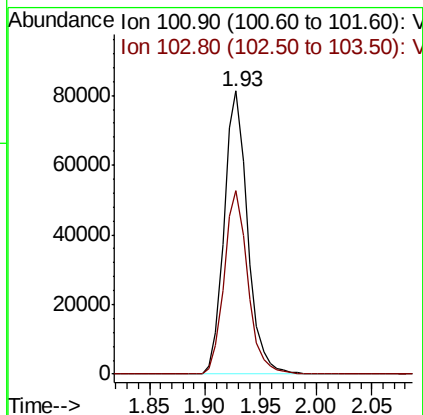
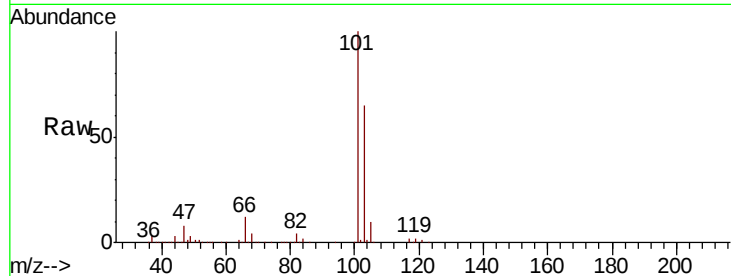


#7

Trichlorofluoromethane
 Concen: 19.05 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

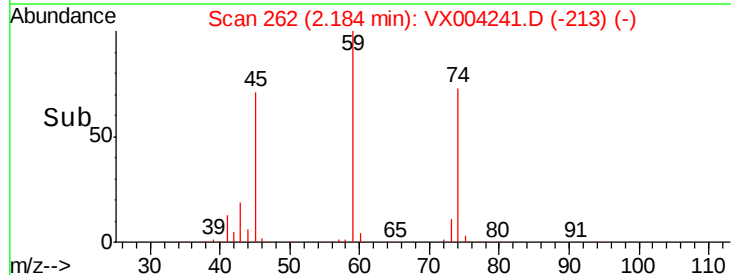
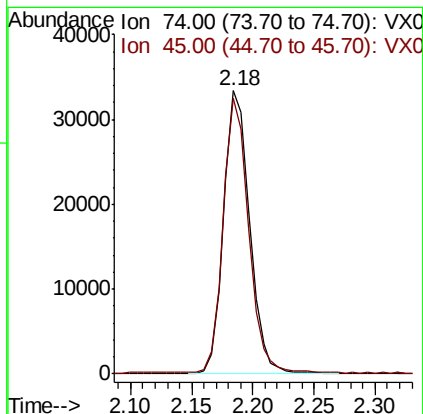
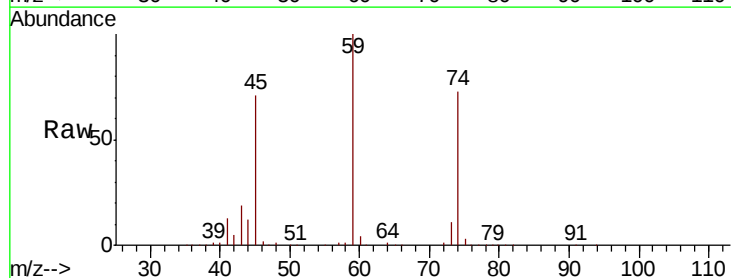
Tot Ion:101 Resp: 118449
 Ion Ratio Lower Upper
 101 100
 103 64.7 48.9 73.3

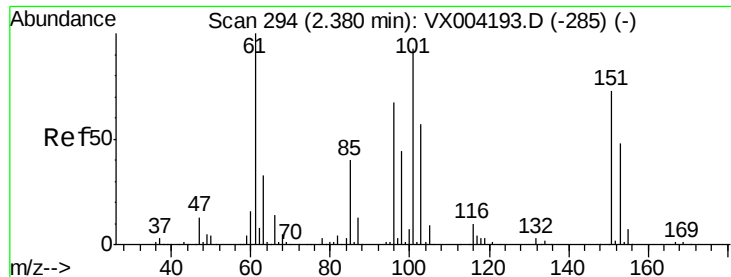


#8

Diethyl Ether
 Concen: 18.50 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion: 74 Resp: 49266
 Ion Ratio Lower Upper
 74 100
 45 95.0 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.22 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

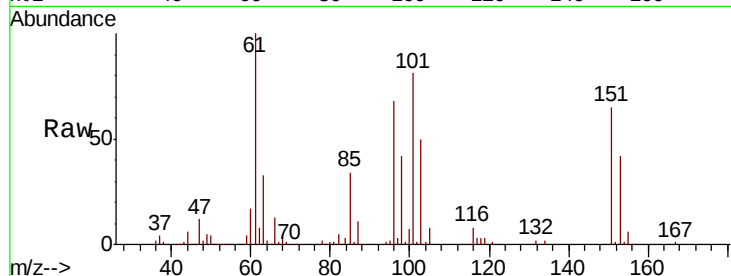
Tot Ion:101 Resp: 74863

Ion Ratio Lower Upper

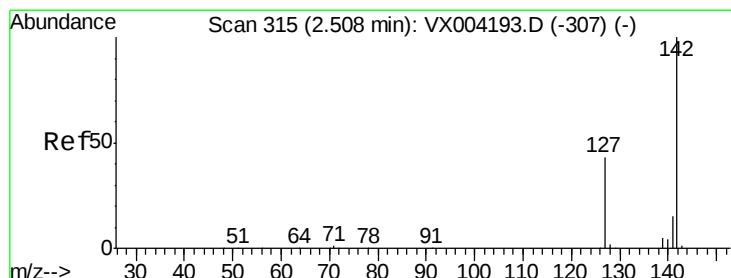
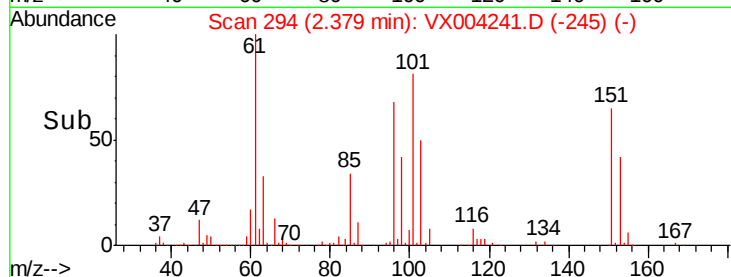
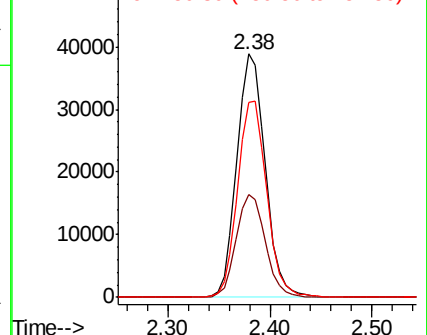
101 100

85 43.0 34.2 51.4

151 82.5 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: 16.81 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

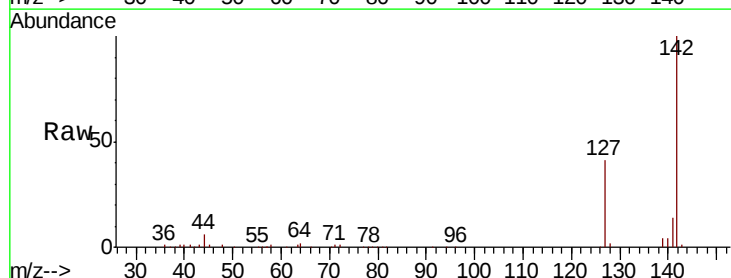
Tgt Ion:142 Resp: 60277

Ion Ratio Lower Upper

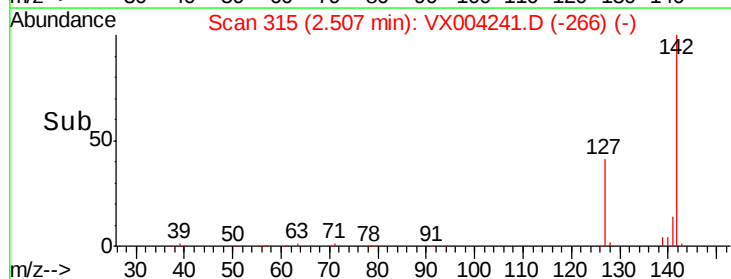
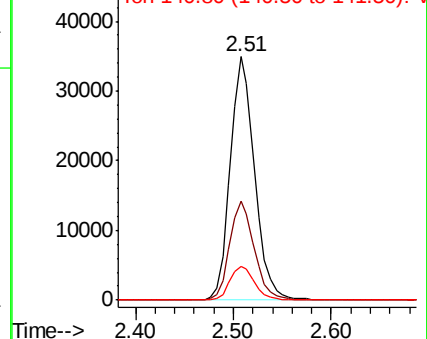
142 100

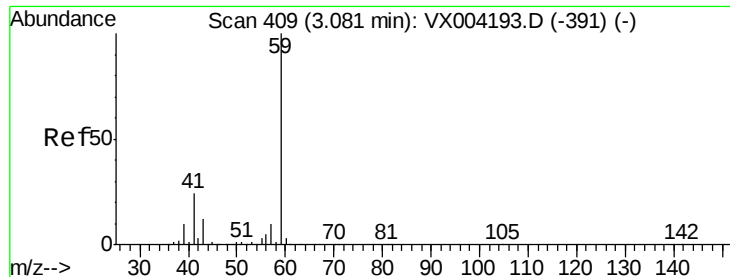
127 41.2 33.8 50.6

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

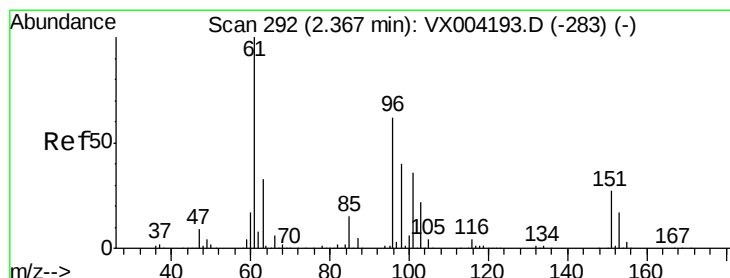
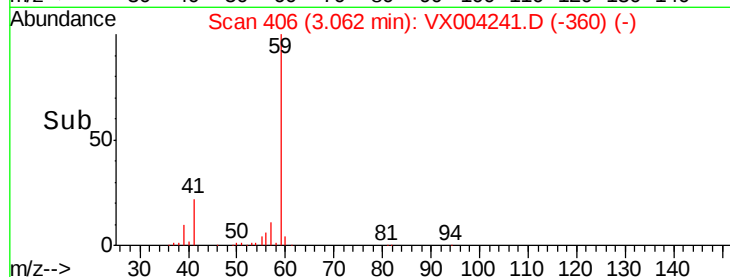
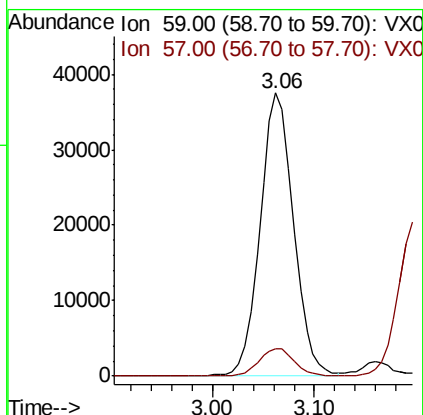
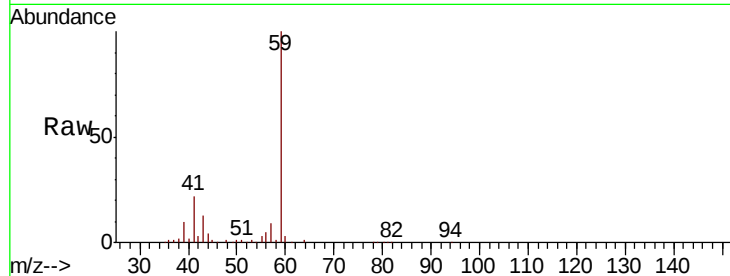




#11
Tert butyl alcohol
Concen: 88.87 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

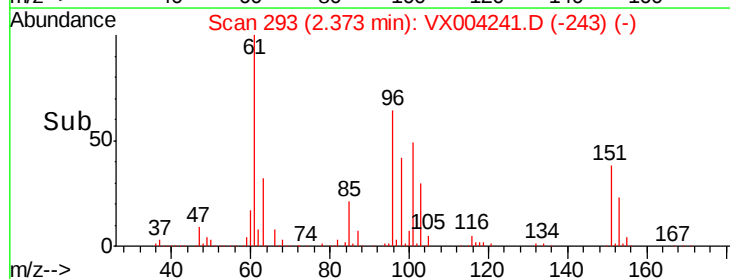
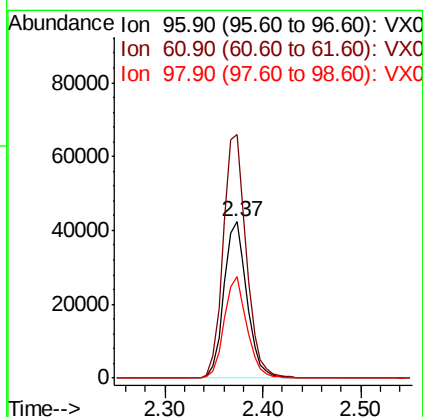
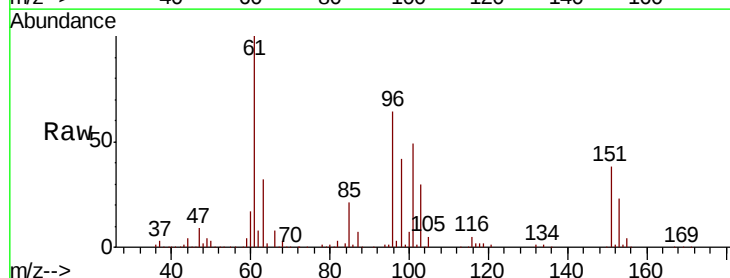
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

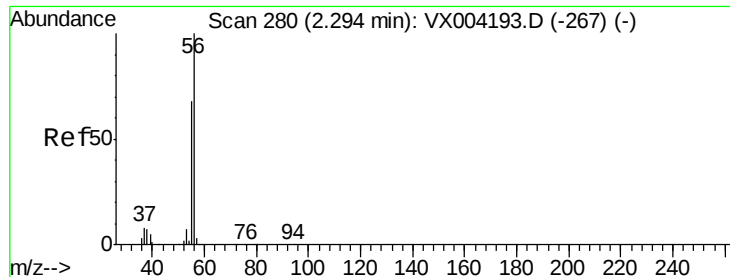
Tot Ion: 59 Resp: 85512
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.81 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 96 Resp: 69001
Ion Ratio Lower Upper
96 100
61 156.0 128.8 193.2
98 64.9 52.2 78.2





#13

Acrolein

Concen: 186.84 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

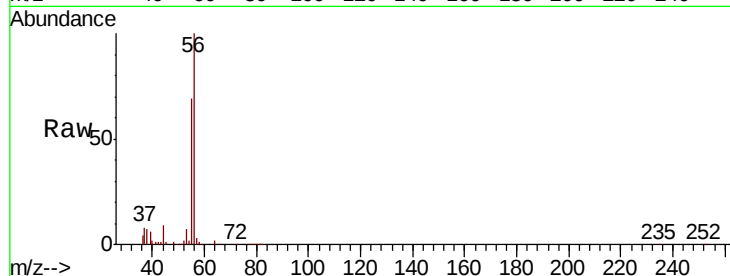
VX0824WBS01

Tot Ion: 56 Resp: 43346

Ion Ratio Lower Upper

56 100

55 70.0 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

15000

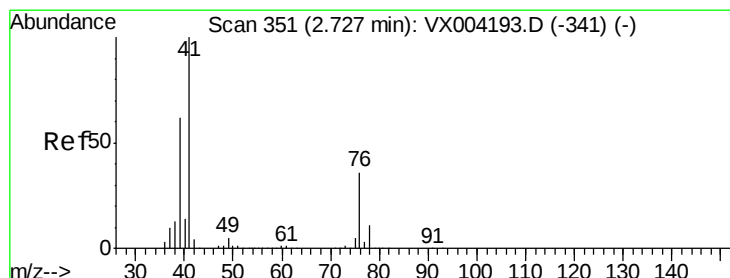
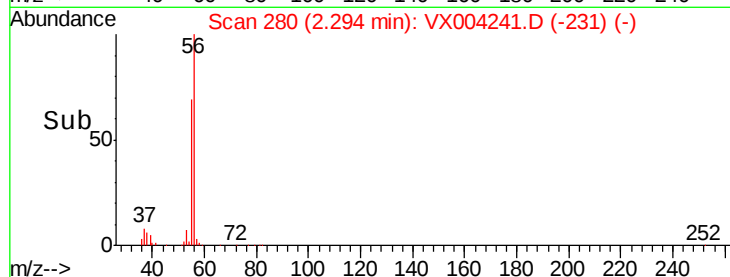
10000

5000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 18.23 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

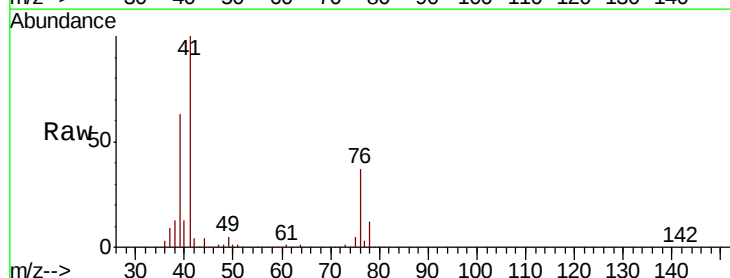
Tgt Ion: 41 Resp: 122879

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 34.2 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

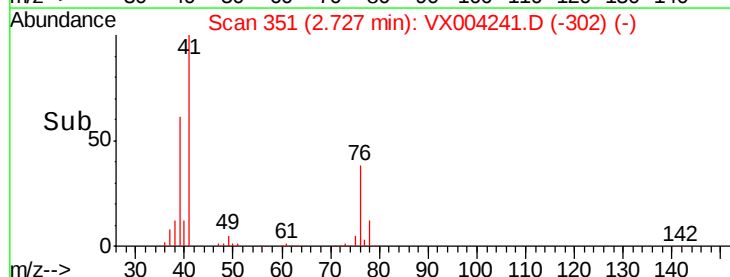
40000

20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 85.84 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

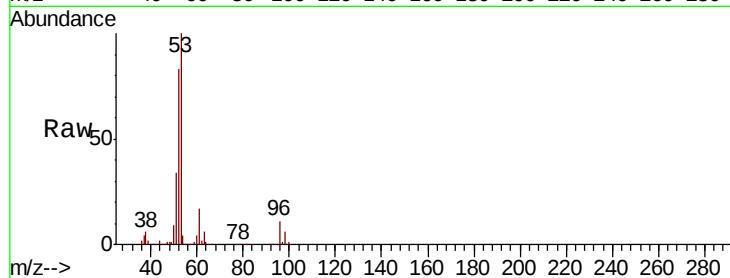
Tot Ion: 53 Resp: 204570

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

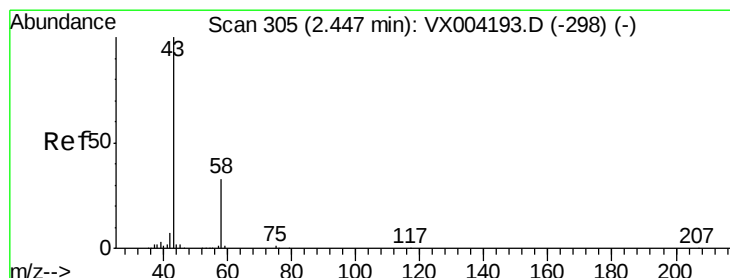
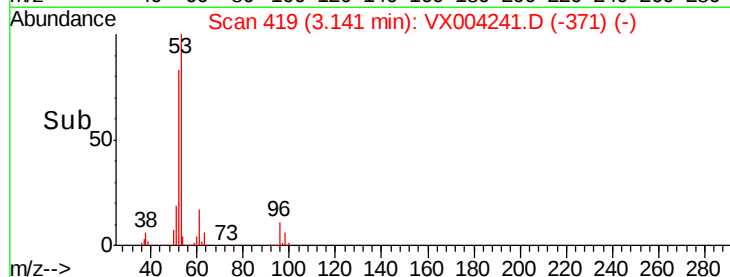
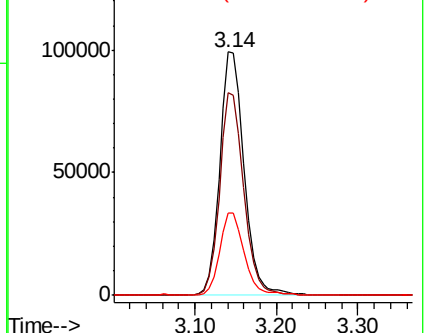
51 34.3 28.2 42.2



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: 91.39 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004241.D

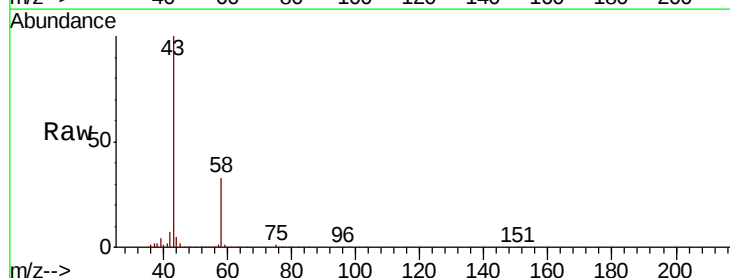
Acq: 24 Aug 2018 12:43

Tgt Ion: 43 Resp: 177857

Ion Ratio Lower Upper

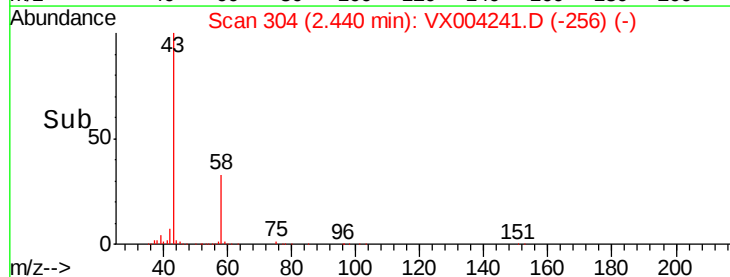
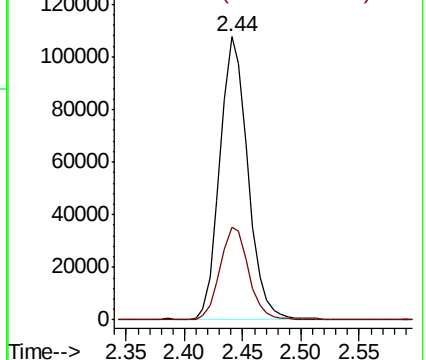
43 100

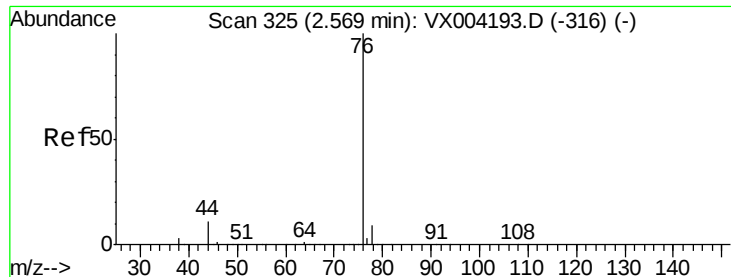
58 32.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

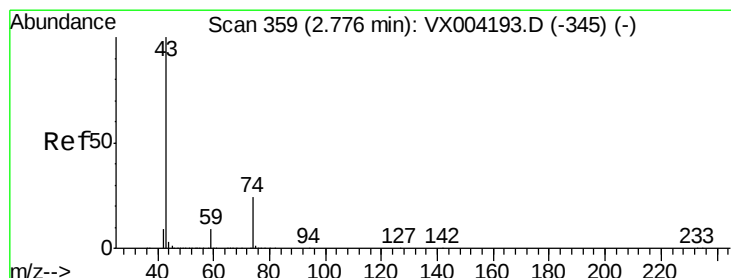
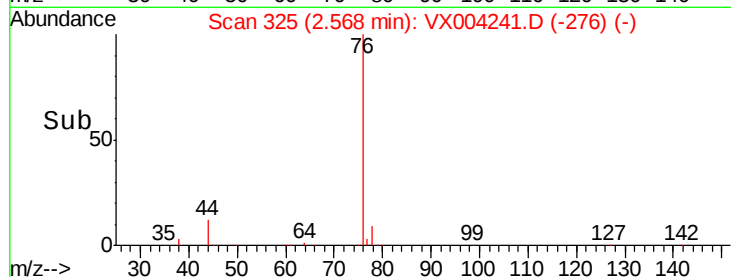
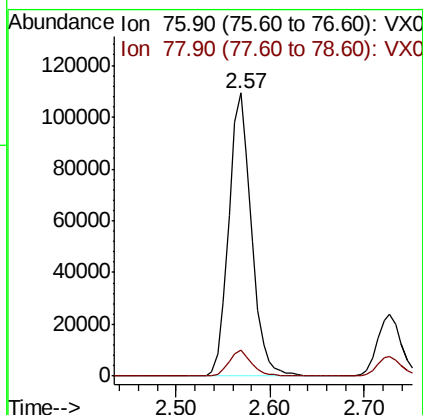
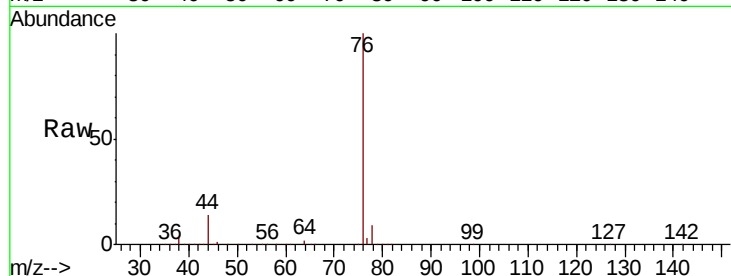




#17
Carbon Disulfide
Concen: 18.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

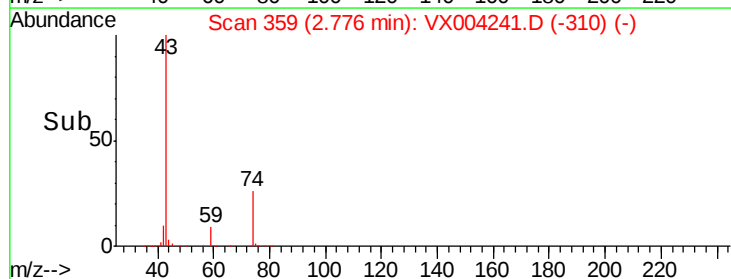
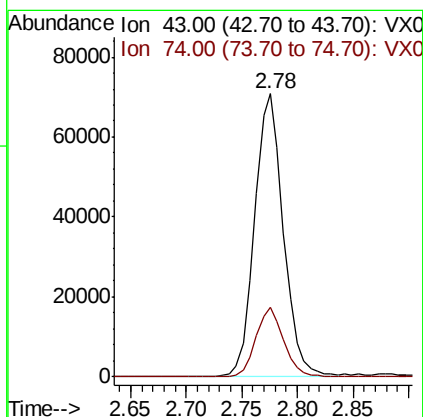
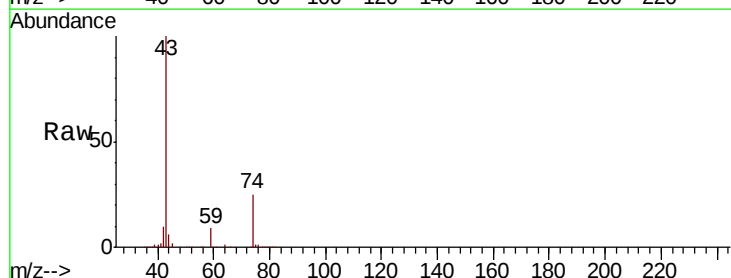
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

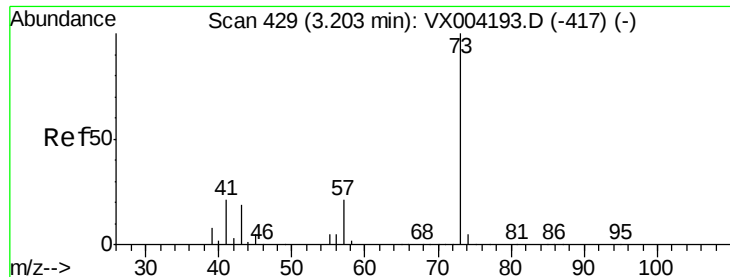
Tot Ion: 76 Resp: 182441
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 18.95 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 43 Resp: 126945
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2

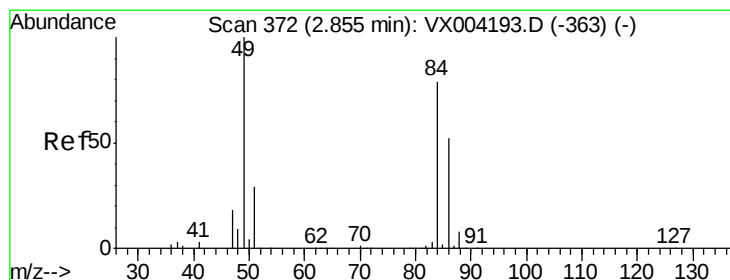
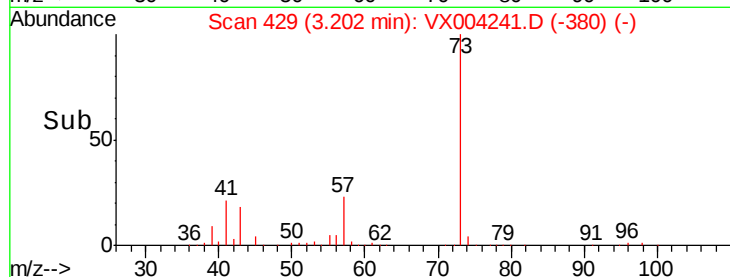
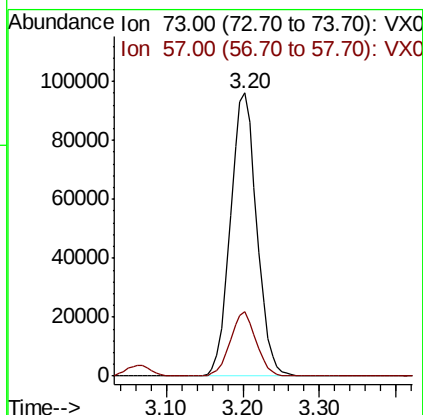
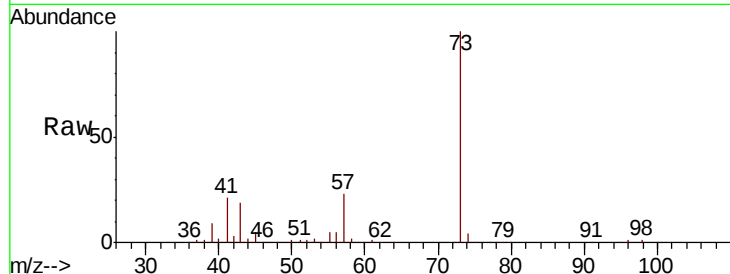




#19
Methvl tert-butvl Ether
Concen: 18.93 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

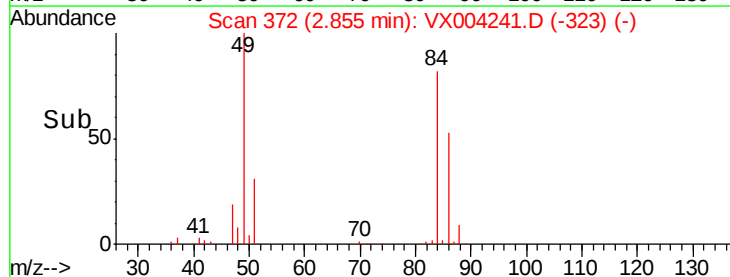
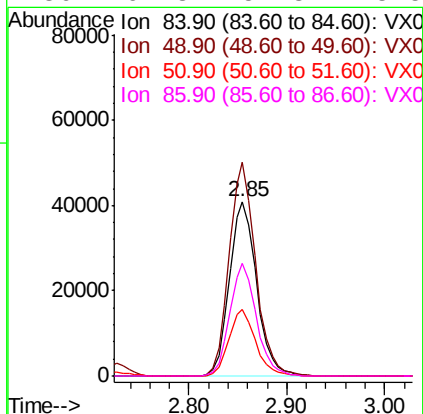
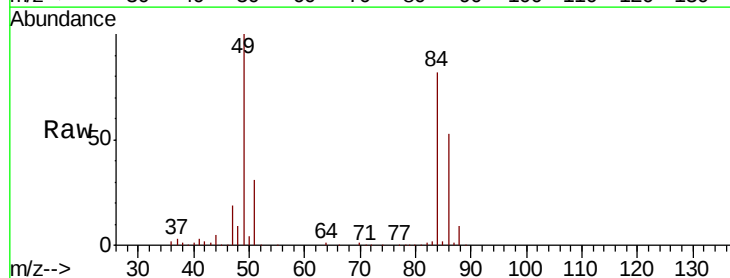
Instrument :
MSVOA_X
ClientSampled :
VX0824WBS01

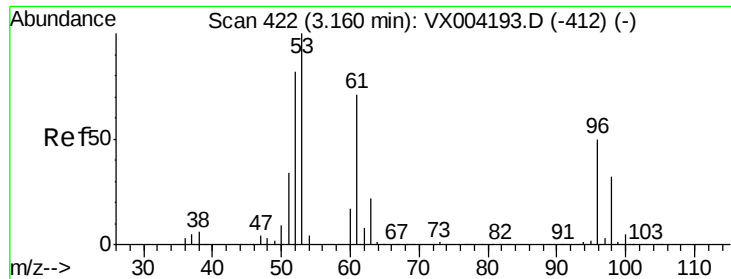
Tot Ion: 73 Resp: 228905
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7



#20
Methylene Chloride
Concen: 18.15 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 84 Resp: 78891
Ion Ratio Lower Upper
84 100
49 122.4 101.2 151.8
51 38.2 29.5 44.3
86 64.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.24 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

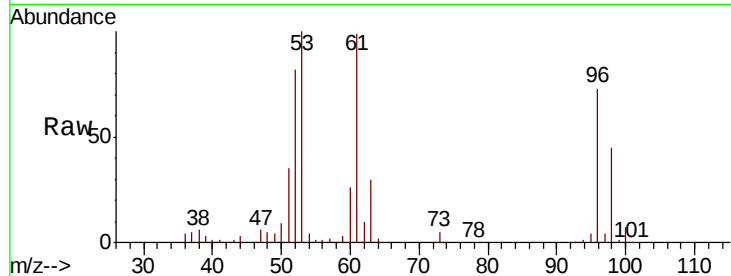
Tot Ion: 96 Resp: 74072

Ion Ratio Lower Upper

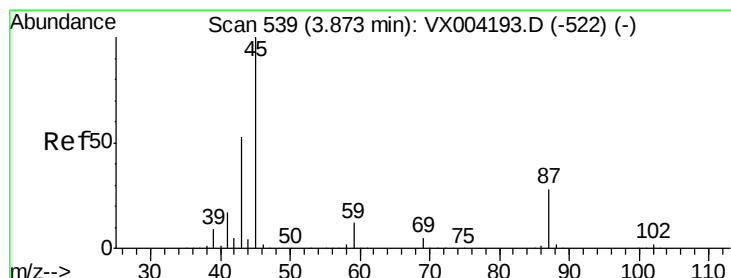
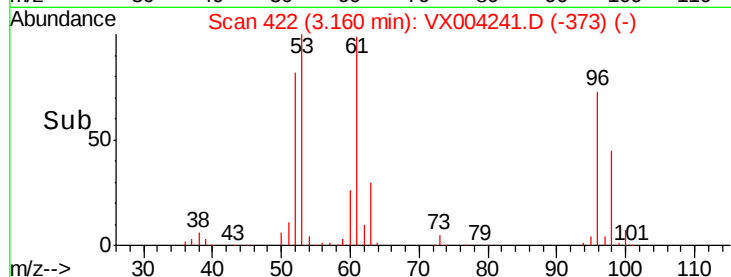
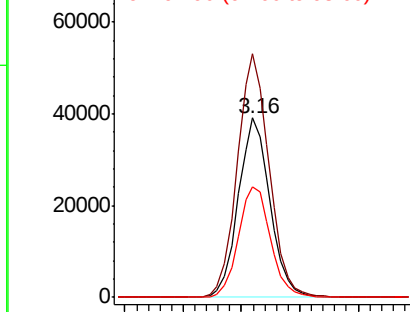
96 100

61 135.8 113.8 170.6

98 61.9 51.8 77.8



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



#22

Diisopropyl ether

Concen: 17.85 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion: 45 Resp: 224672

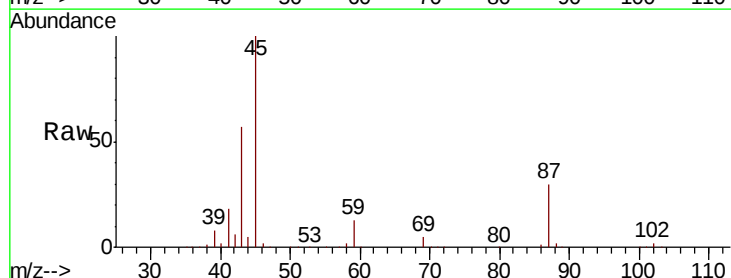
Ion Ratio Lower Upper

45 100

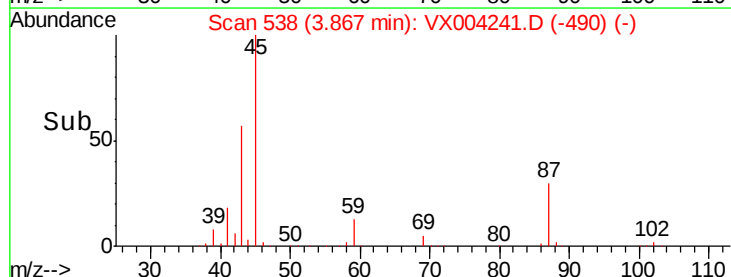
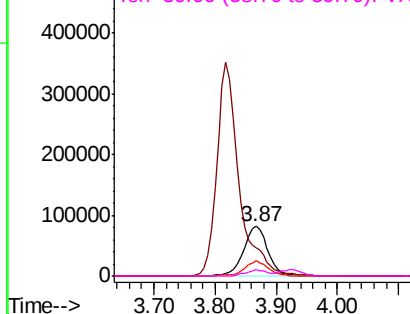
43 57.3 42.8 64.2

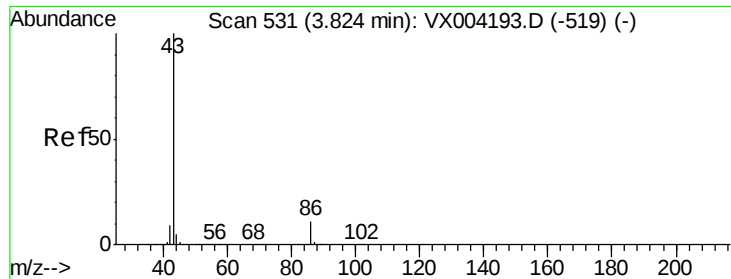
87 30.0 22.6 34.0

59 12.7 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 88.22 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

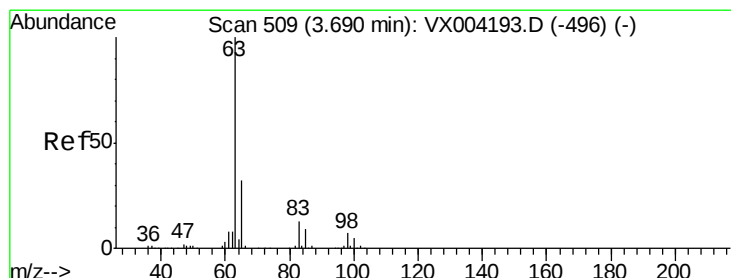
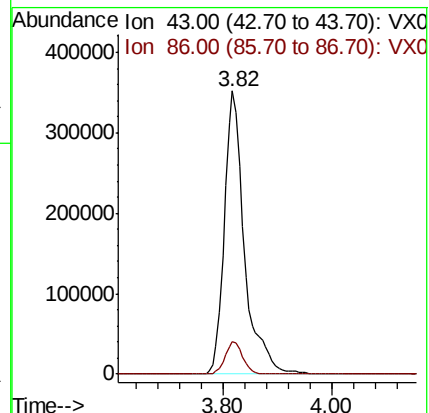
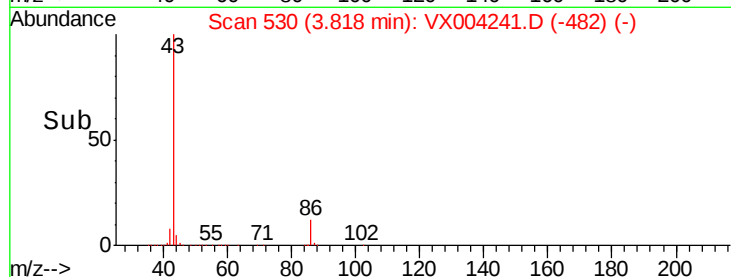
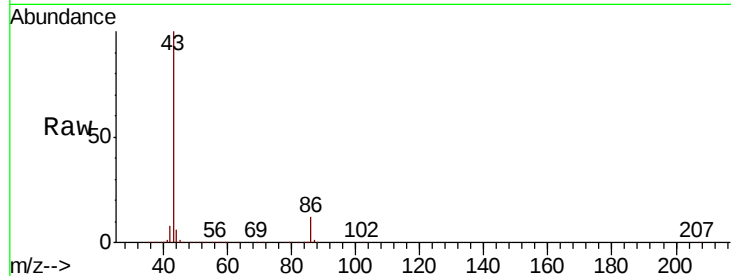
VX0824WBS01

Tot Ion: 43 Resp: 899967

Ion Ratio Lower Upper

43 100

86 11.6 8.9 13.3



#24

1,1-Dichloroethane

Concen: 18.65 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

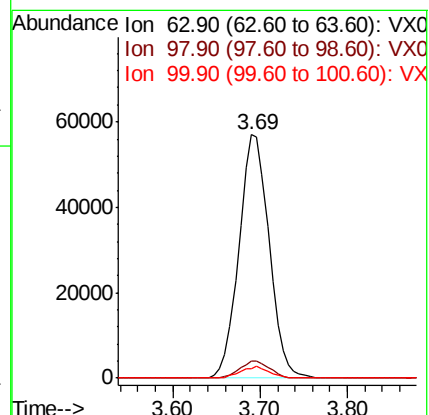
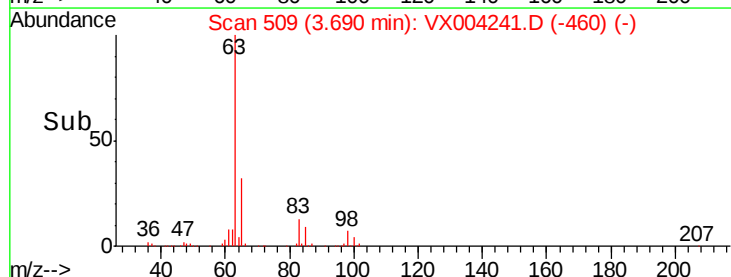
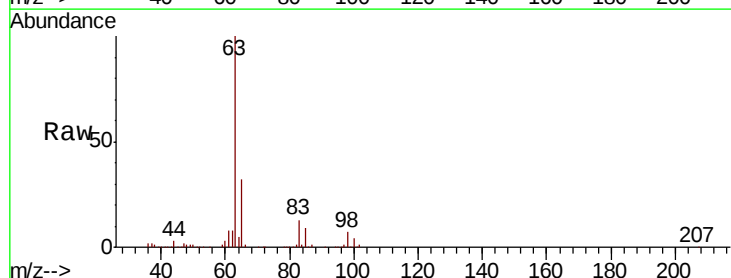
Tgt Ion: 63 Resp: 136811

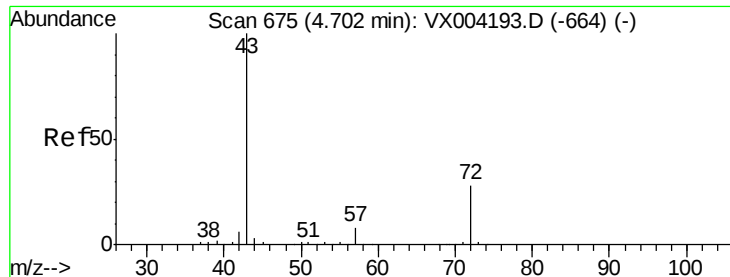
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 86.29 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

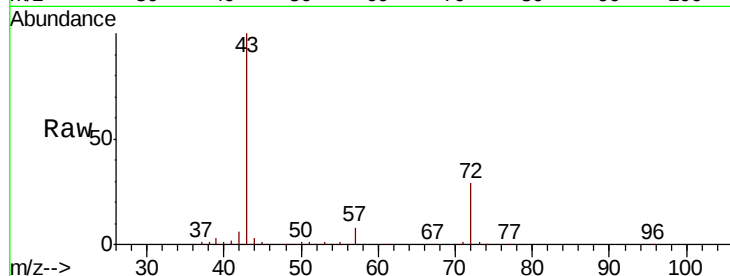
VX0824WBS01

Tot Ion: 43 Resp: 266657

Ion Ratio Lower Upper

43 100

72 28.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

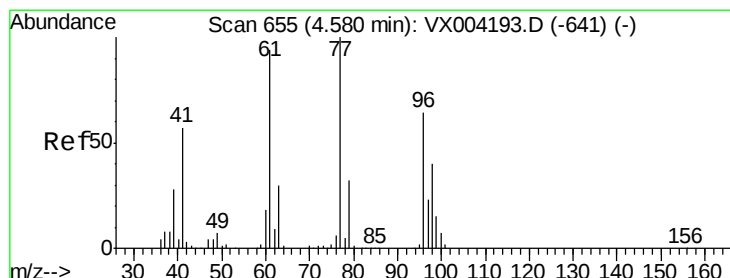
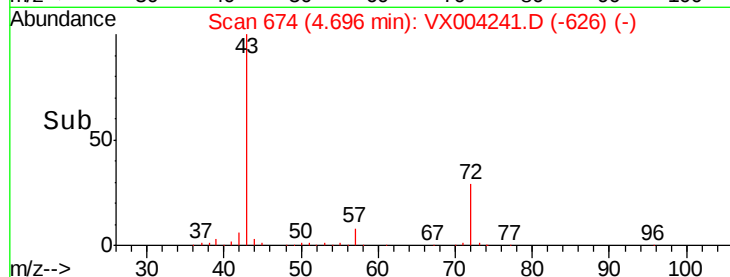
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.68 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004241.D

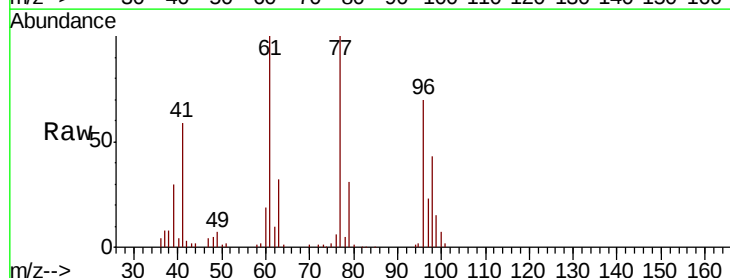
Acq: 24 Aug 2018 12:43

Tgt Ion: 77 Resp: 107468

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

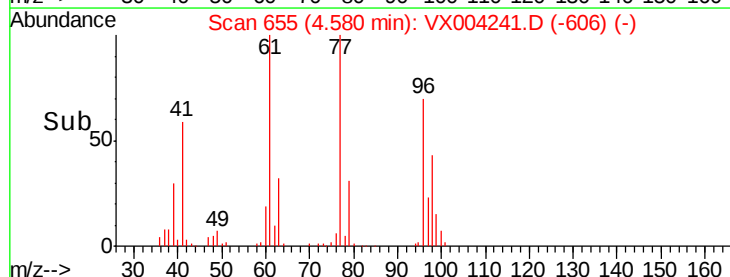
20000

10000

0

4.50 4.60 4.70

Time-->



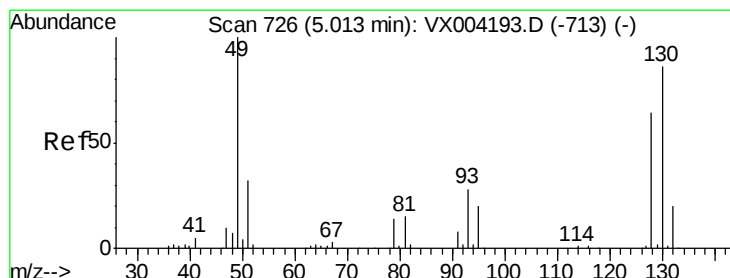
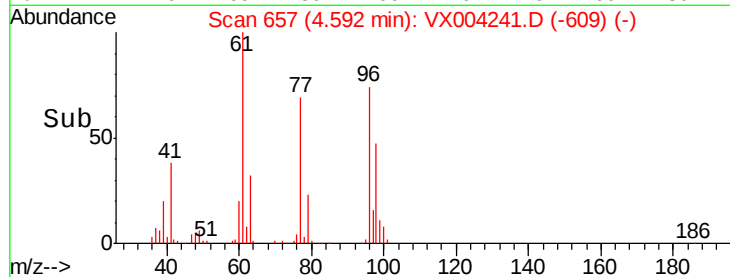
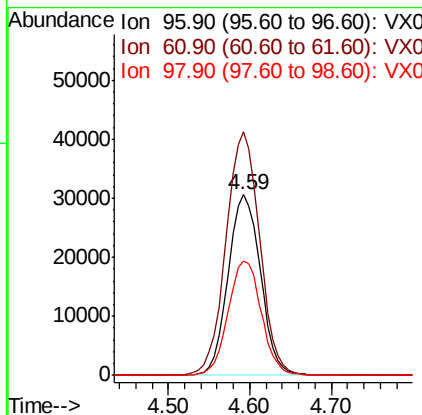
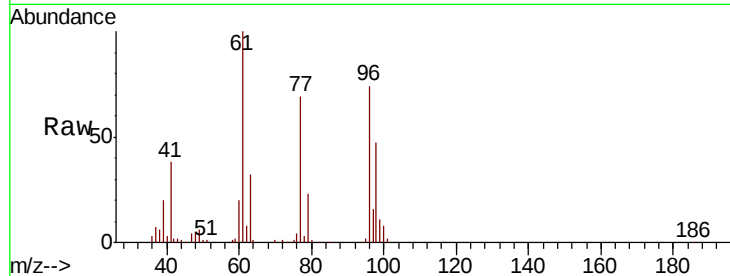


#27

cis-1,2-Dichloroethene
 Concen: 18.26 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX0824WBS01

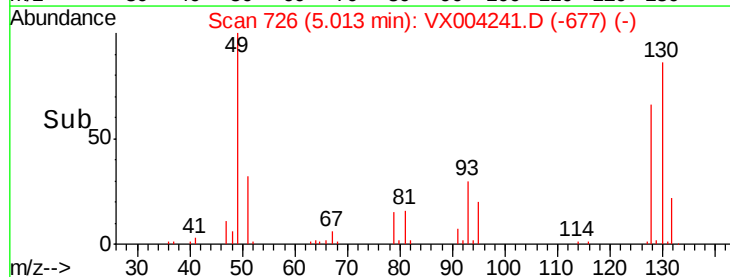
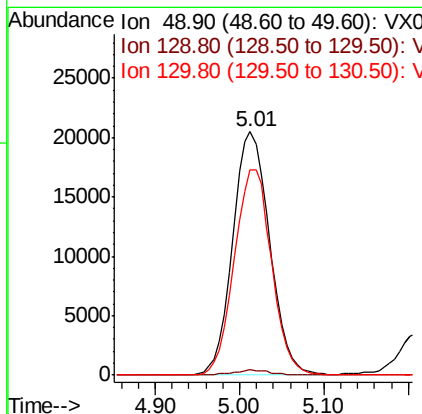
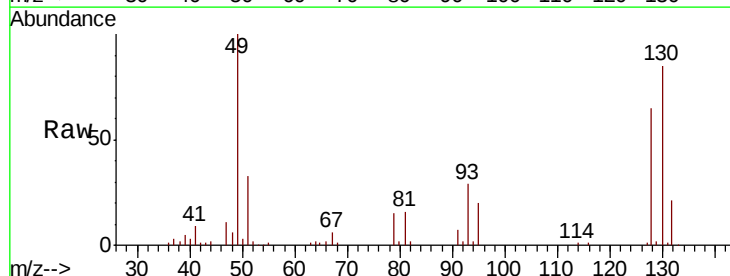
Tot Ion	96	Resp	84092
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	282.6
98	64.6	0.0	130.2

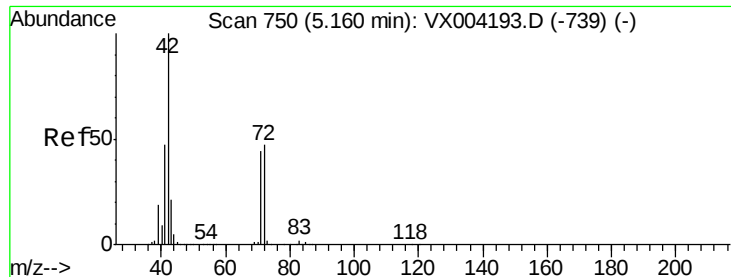


#28

Bromochloromethane
 Concen: 18.79 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	49	Resp	61017
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.7	67.5	101.3

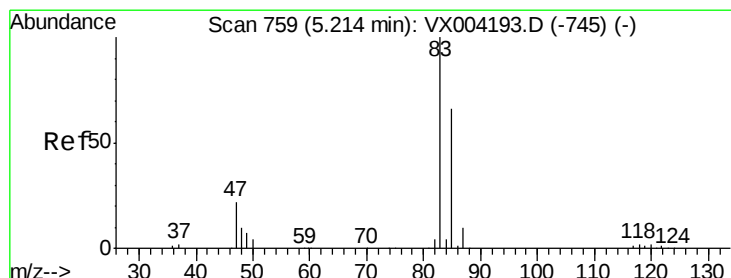
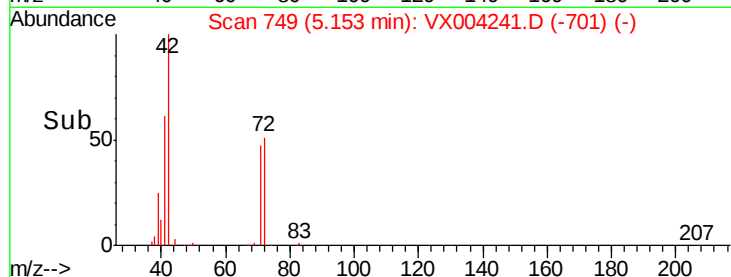
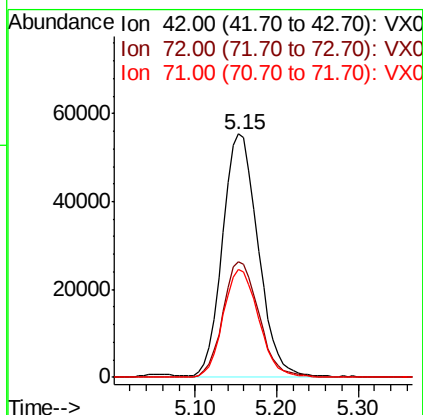
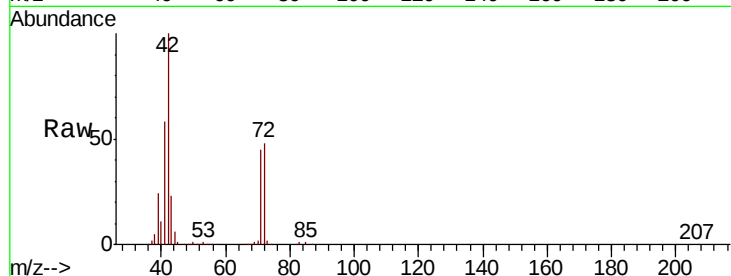




#29
Tetrahydrofuran
Concen: 85.72 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

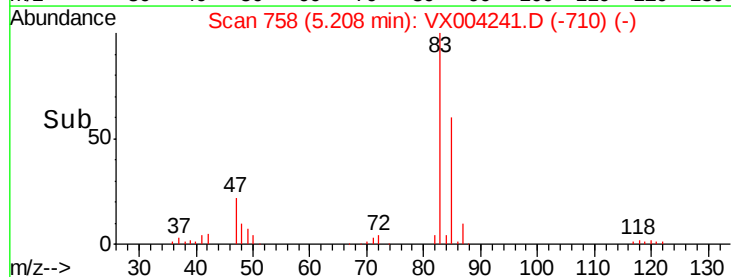
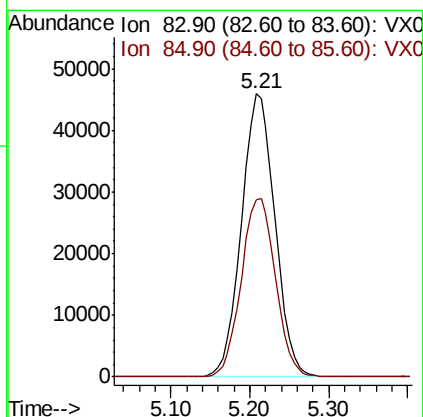
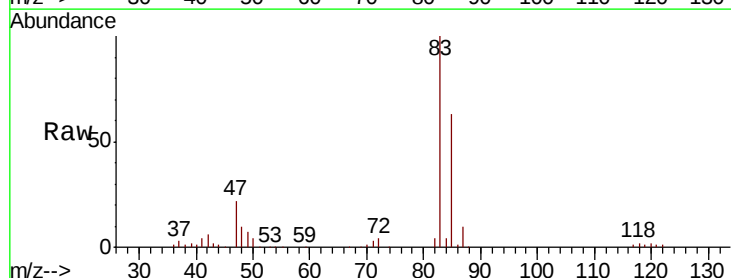
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

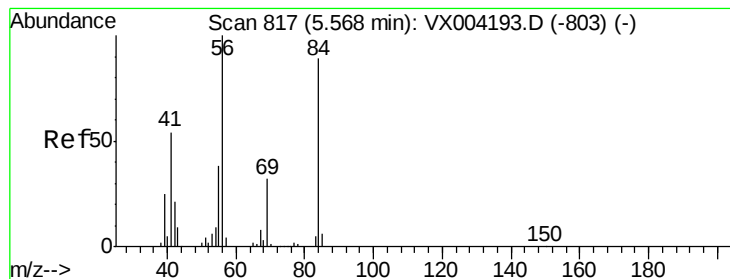
Tot Ion: 42 Resp: 166264
Ion Ratio Lower Upper
42 100
72 48.5 37.4 56.0
71 44.7 34.5 51.7



#30
Chloroform
Concen: 18.41 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 83 Resp: 135400
Ion Ratio Lower Upper
83 100
85 62.8 52.6 79.0





#31

Cyclohexane

Concen: 18.76 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

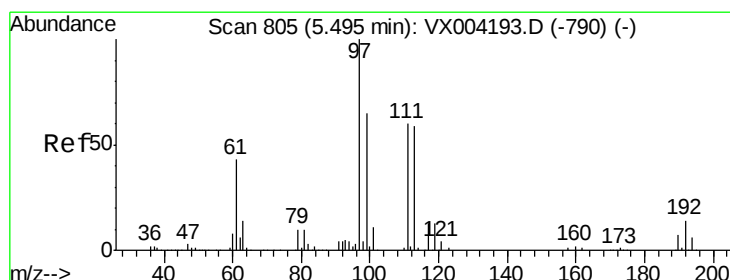
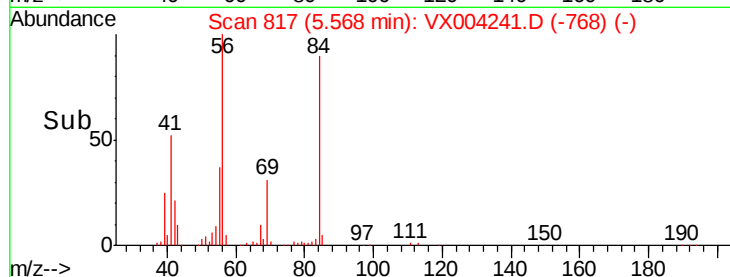
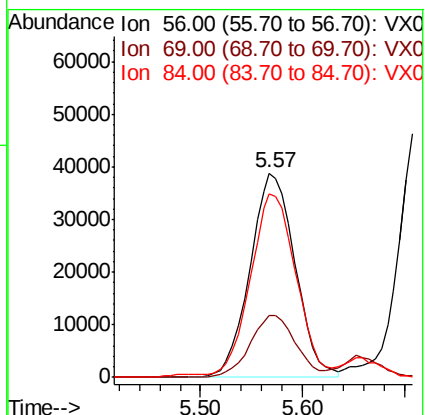
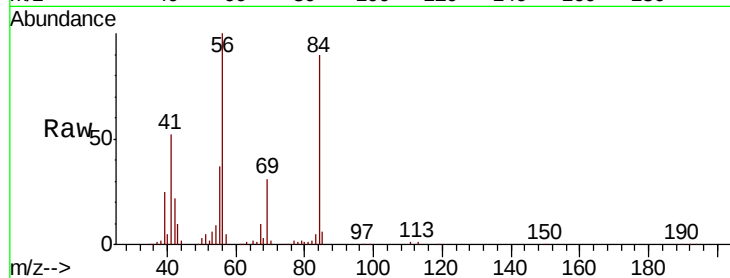
Tot Ion: 56 Resp: 118724

Ion Ratio Lower Upper

56 100

69 30.5 25.4 38.2

84 88.3 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 18.62 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

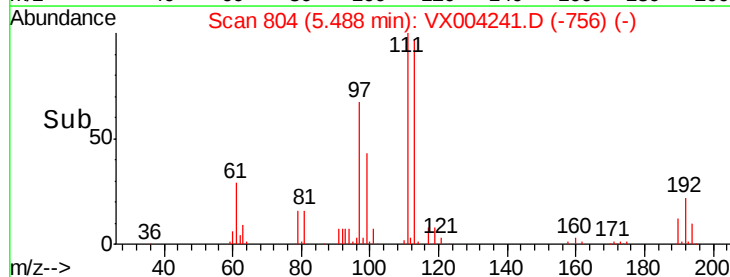
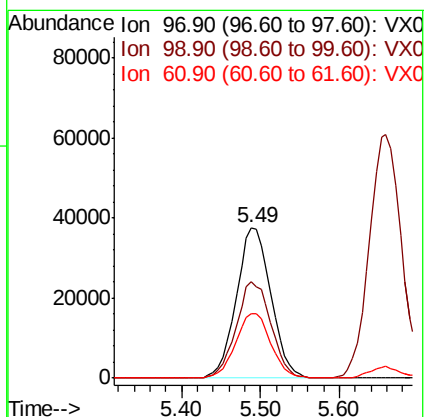
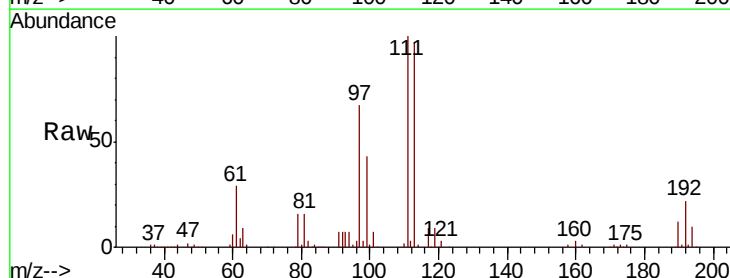
Tgt Ion: 97 Resp: 114170

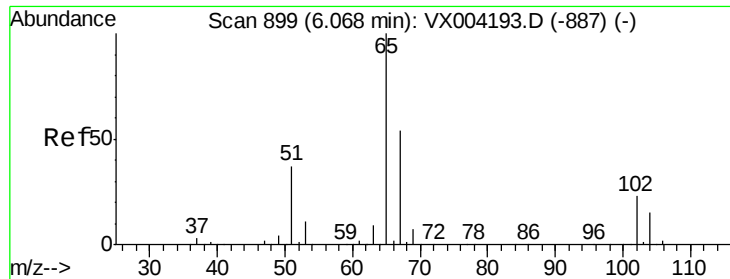
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 44.0 34.9 52.3

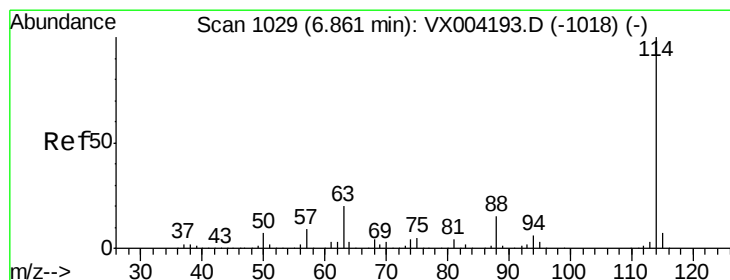
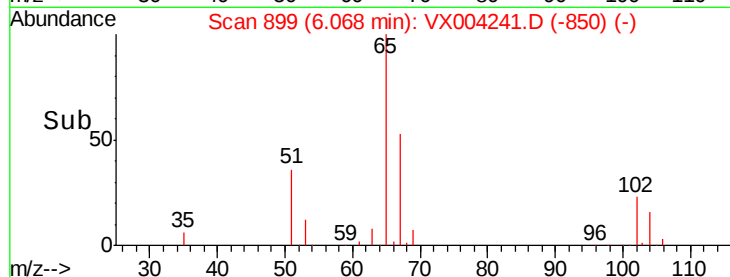
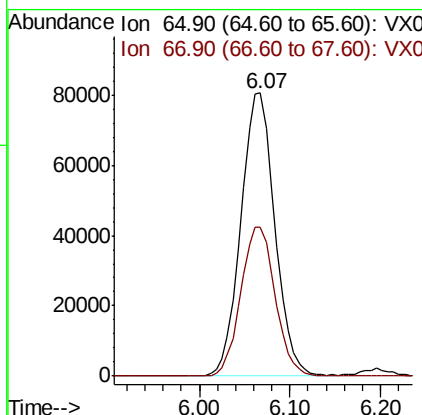
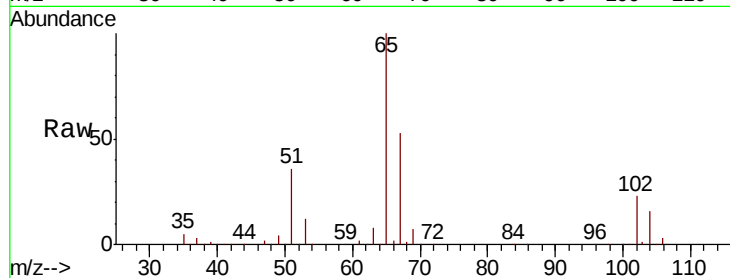




#33
 1,2-Dichloroethane-d4
 Concen: 46.27 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

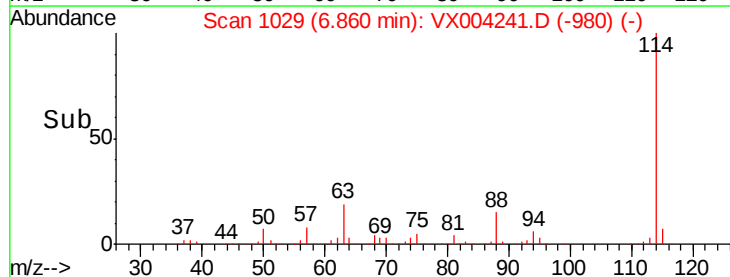
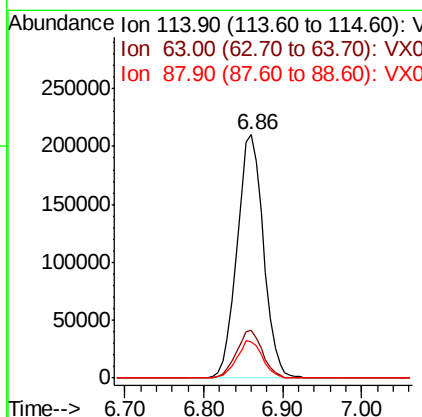
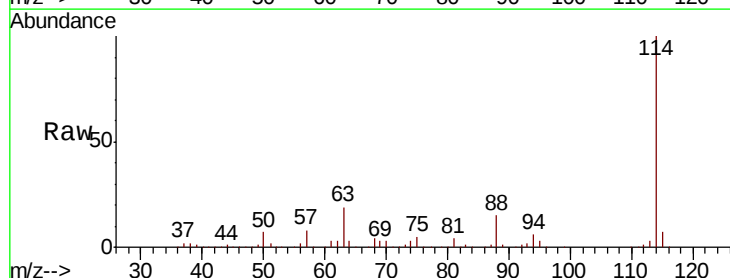
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

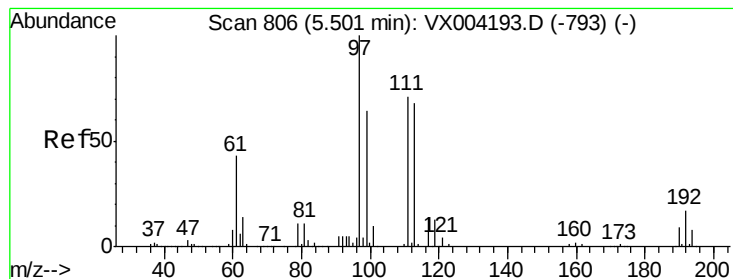
Tot Ion: 65 Resp: 208857
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion: 114 Resp: 489401
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.25 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

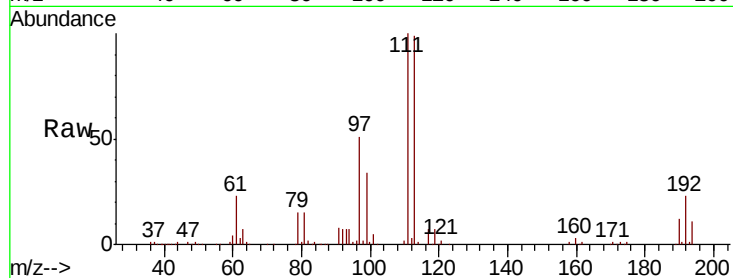
Tot Ion:113 Resp: 179311

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

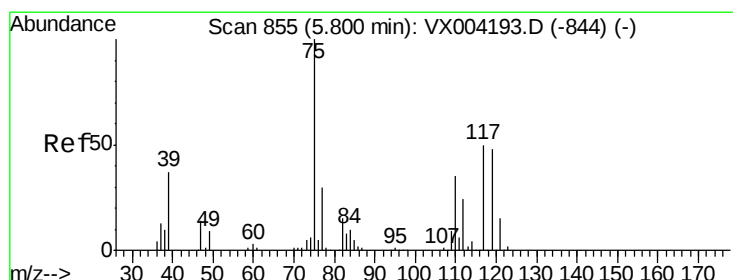
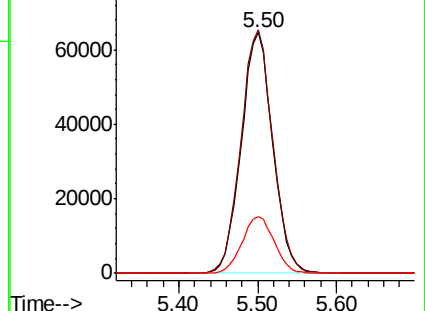
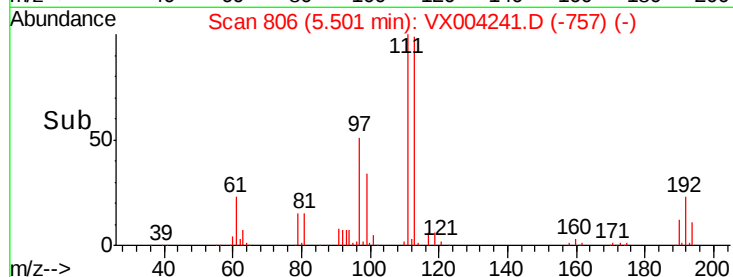
192 24.0 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.92 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

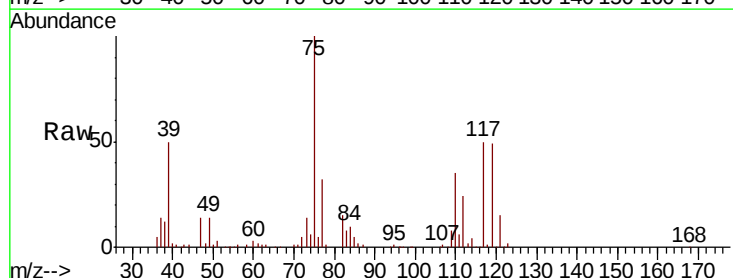
Tgt Ion: 75 Resp: 104078

Ion Ratio Lower Upper

75 100

110 36.3 18.0 54.0

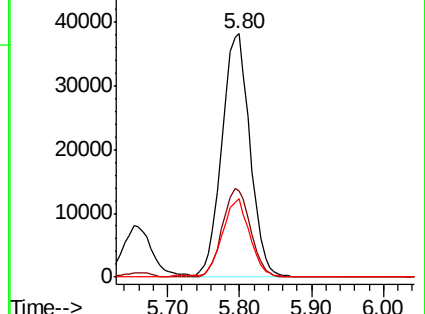
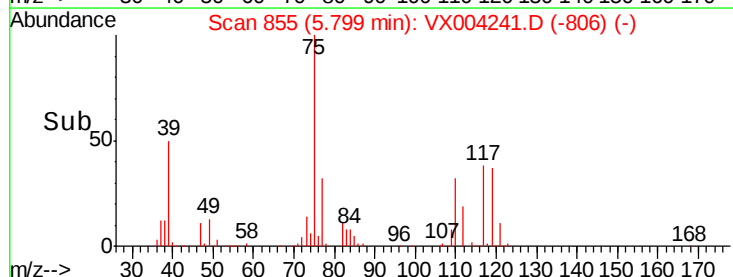
77 31.4 24.6 36.8

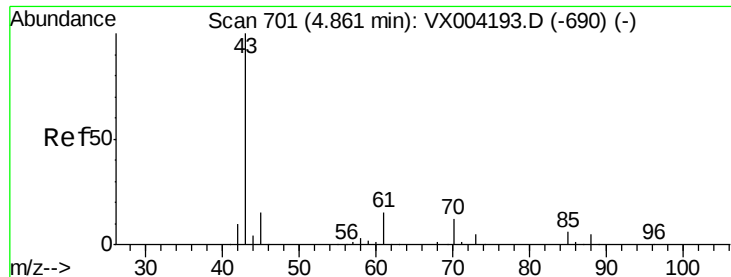


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.26 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

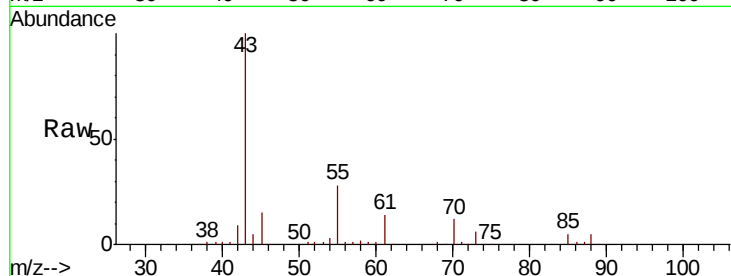
Tot Ion: 43 Resp: 98801

Ion Ratio Lower Upper

43 100

61 14.6 11.5 17.3

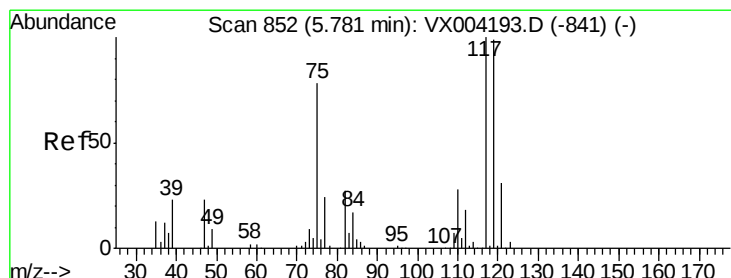
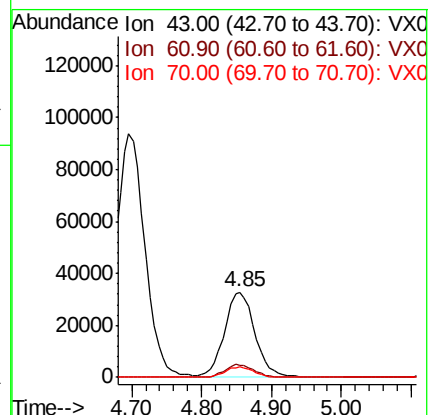
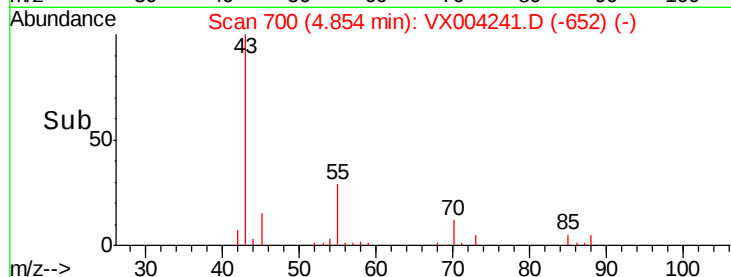
70 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.91 ug/l

RT: 5.77 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

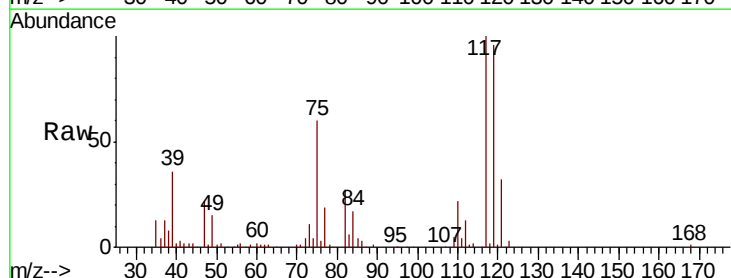
Tgt Ion: 117 Resp: 97877

Ion Ratio Lower Upper

117 100

119 96.0 78.8 118.2

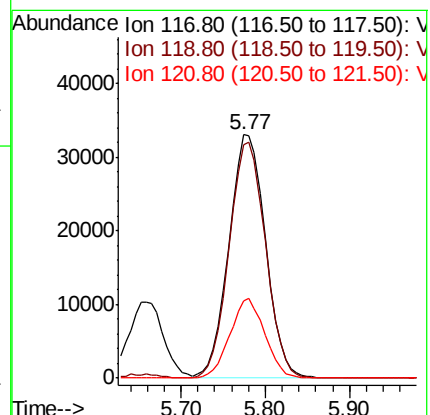
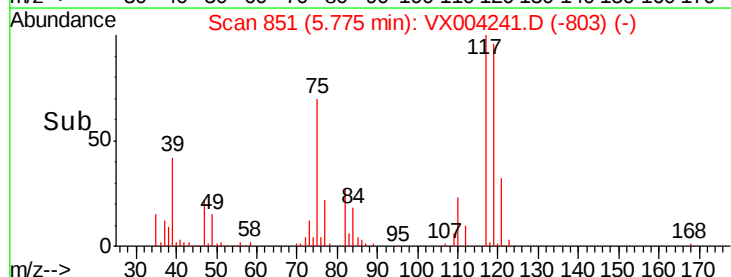
121 31.9 24.9 37.3

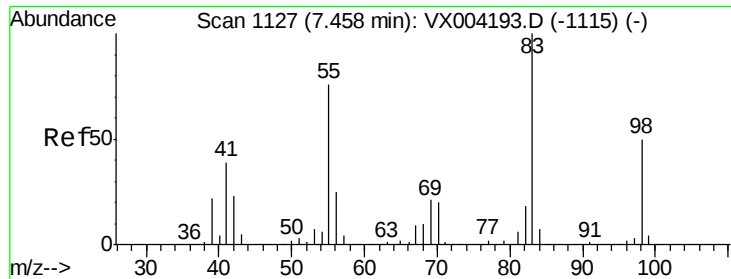


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

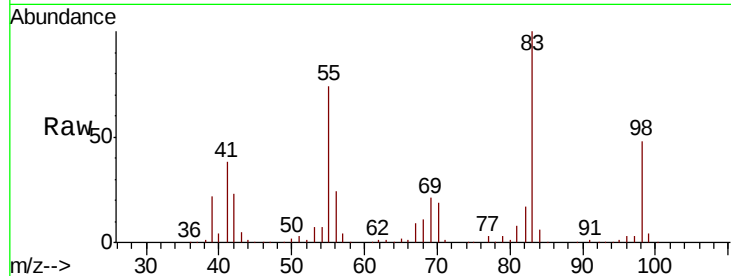




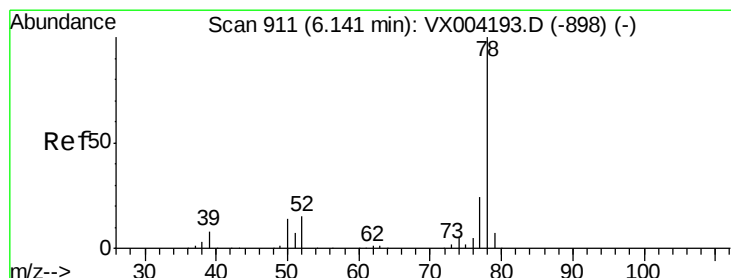
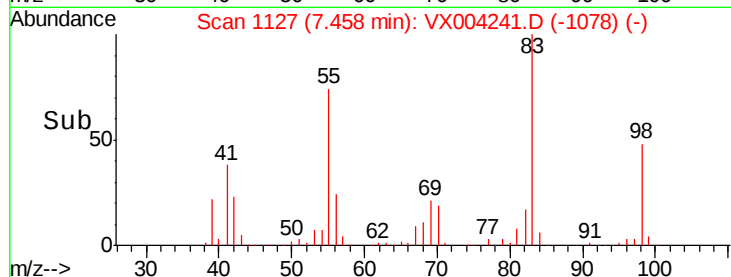
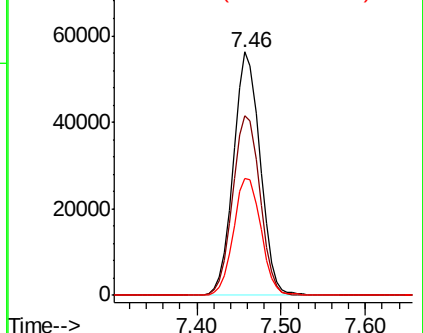
#39
Methvlcvclohexane
Concen: 19.15 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tot Ion	83.00	Resp	120323
Ion	Ratio	Lower	Upper
83	100		
55	74.0	61.0	91.4
98	48.1	39.6	59.4

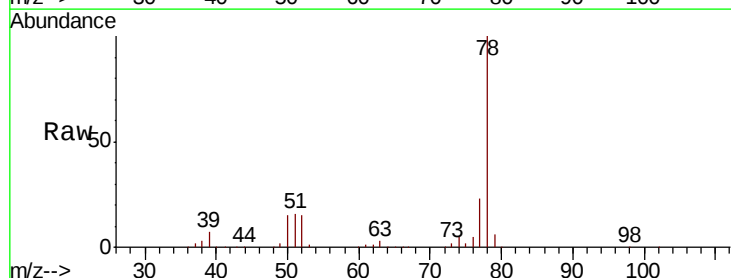


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

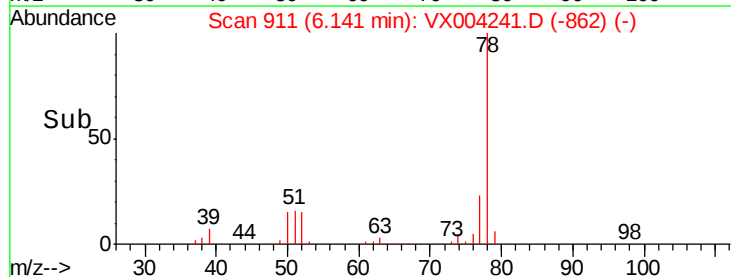
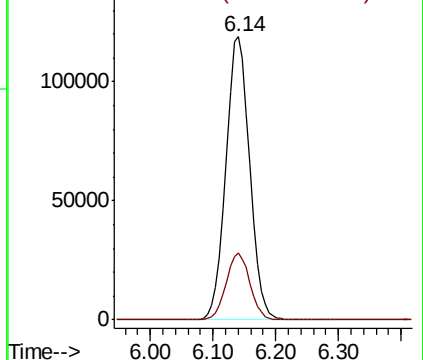


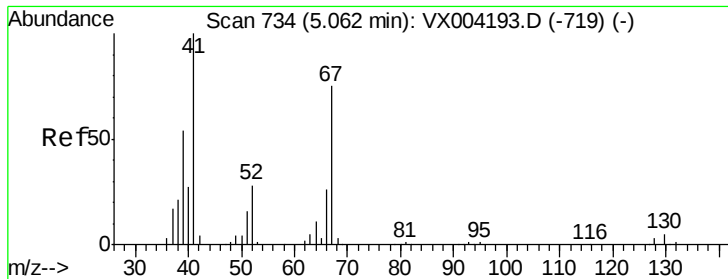
#40
Benzene
Concen: 18.99 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	78	Resp	312264
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.16 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tot Ion: 41 Resp: 56970

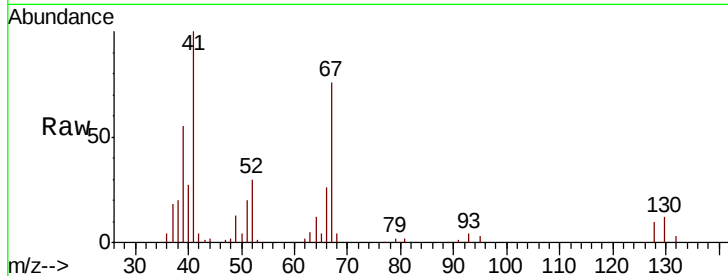
Ion Ratio Lower Upper

41 100

39 53.1 42.4 63.6

67 75.3 59.2 88.8

52 29.9 23.0 34.4

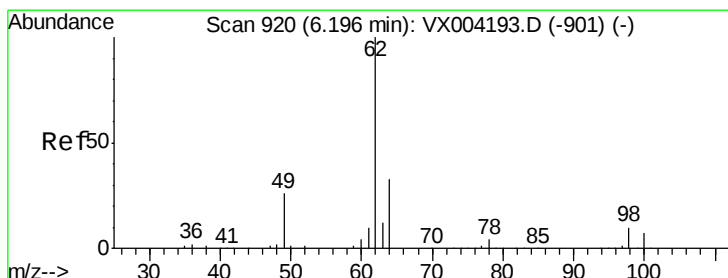
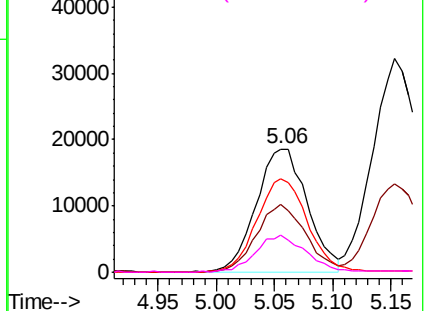
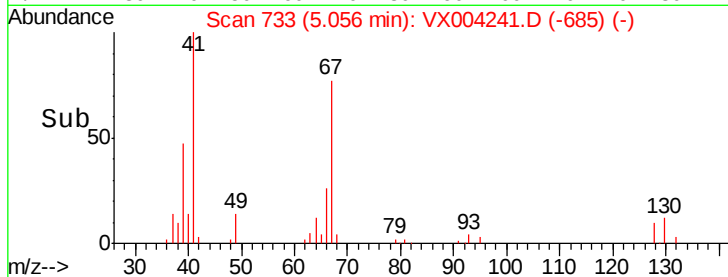


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.45 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004241.D

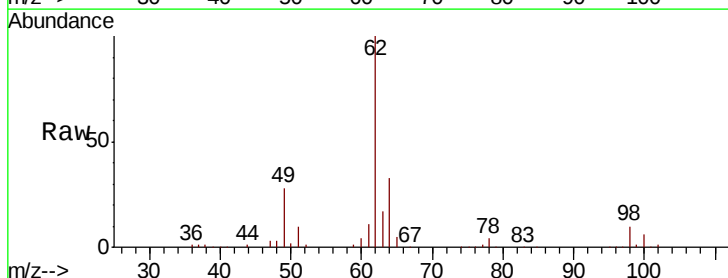
Acq: 24 Aug 2018 12:43

Tgt Ion: 62 Resp: 103476

Ion Ratio Lower Upper

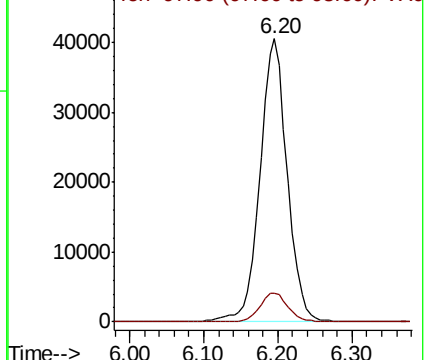
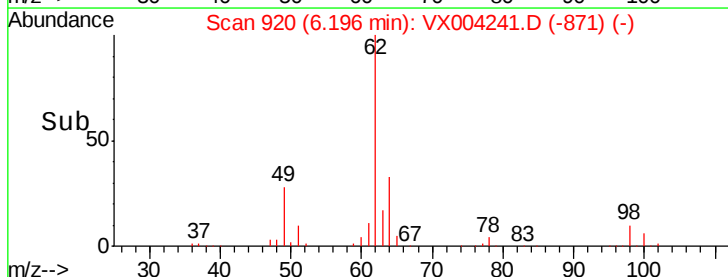
62 100

98 10.5 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: 18.08 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

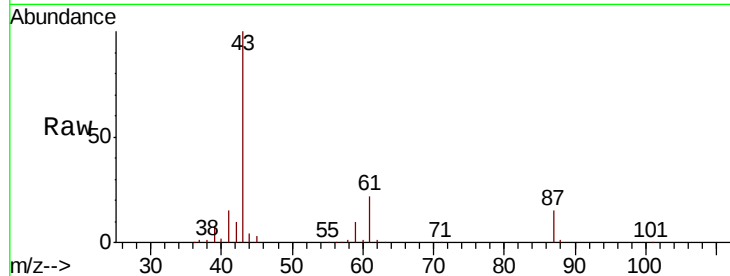
Tot Ion: 43 Resp: 150368

Ion Ratio Lower Upper

43 100

61 21.7 17.0 25.4

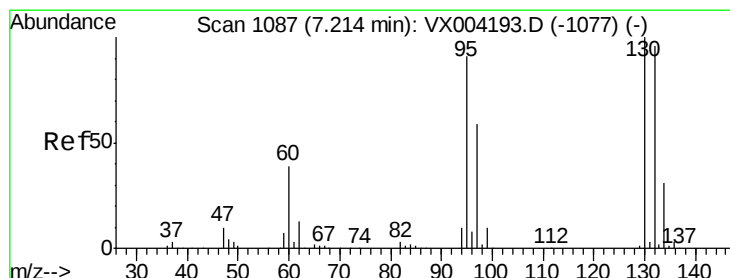
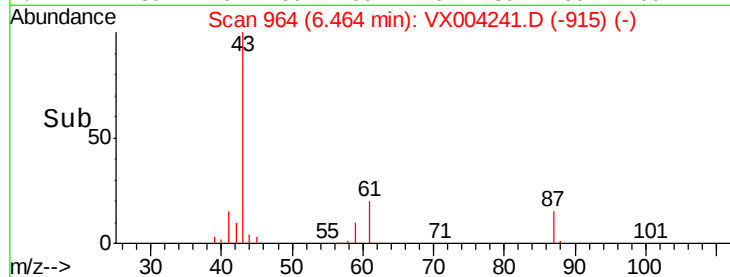
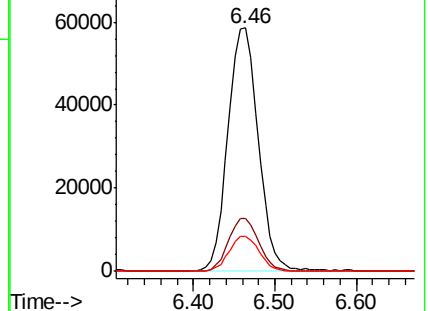
87 14.6 11.4 17.2



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: 18.78 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004241.D

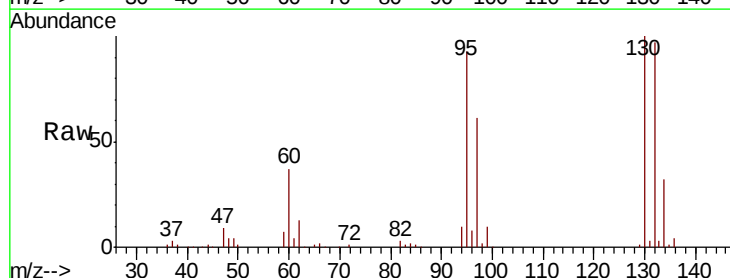
Acq: 24 Aug 2018 12:43

Tgt Ion:130 Resp: 85459

Ion Ratio Lower Upper

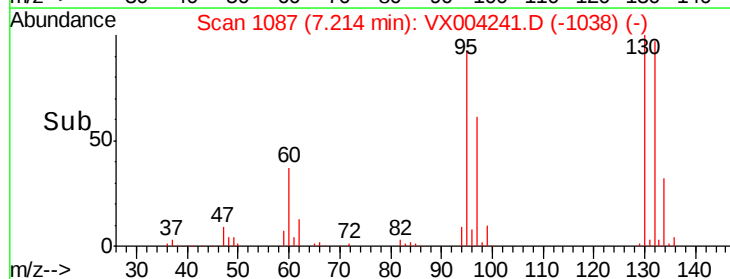
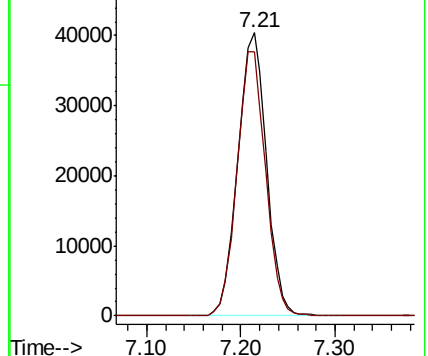
130 100

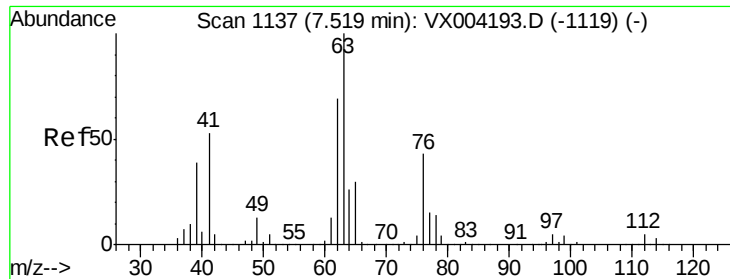
95 93.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.06 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

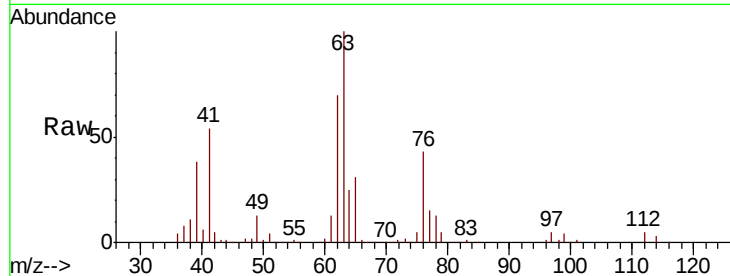
VX0824WBS01

Tot Ion: 63 Resp: 78418

Ion Ratio Lower Upper

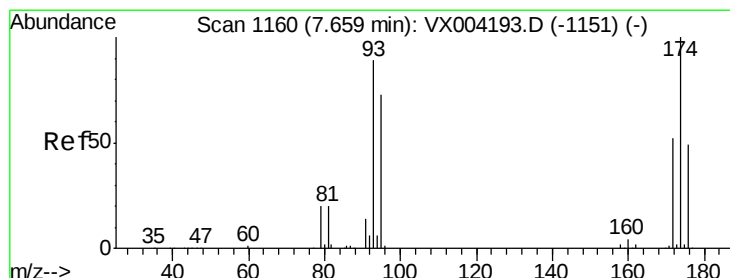
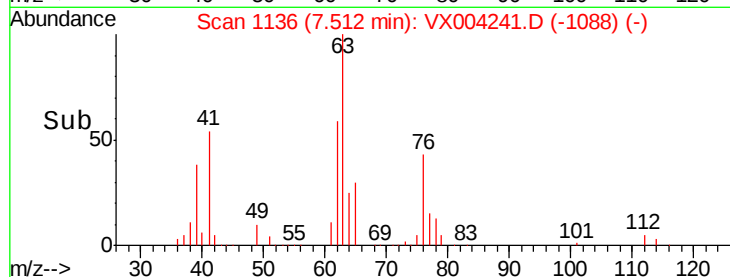
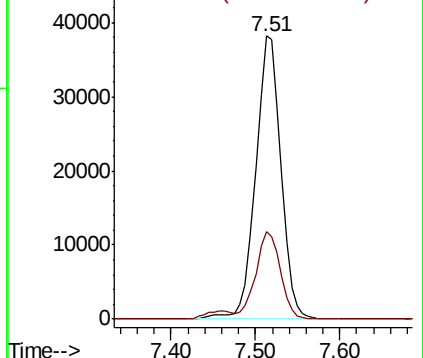
63 100

65 31.0 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: 18.68 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

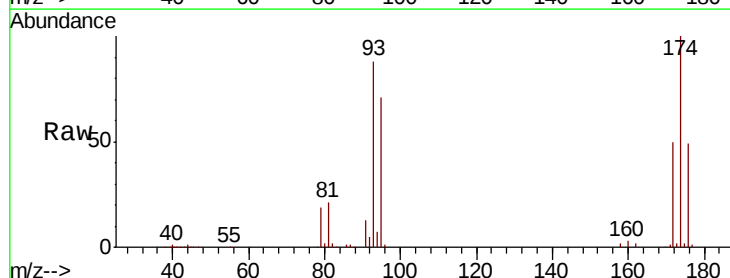
Tgt Ion: 93 Resp: 51174

Ion Ratio Lower Upper

93 100

95 81.3 65.5 98.3

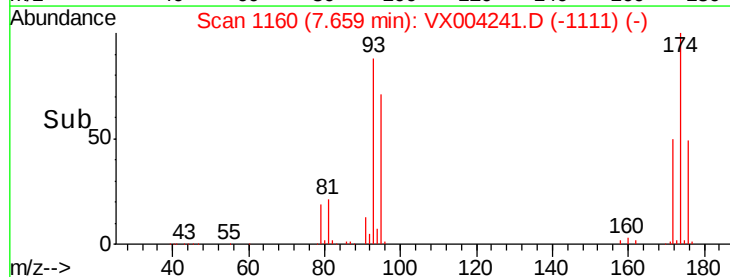
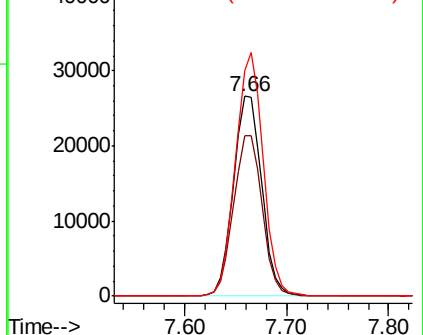
174 119.1 94.2 141.4



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: 18.64 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

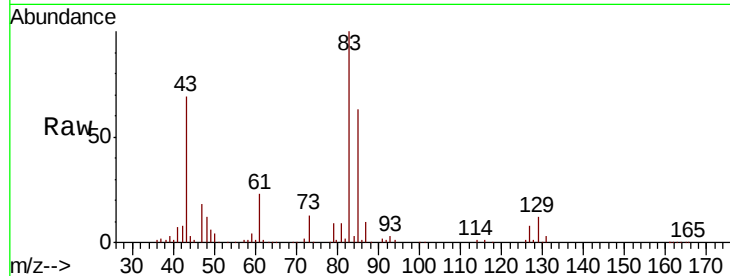
Tot Ion: 83 Resp: 95050

Ion Ratio Lower Upper

83 100

85 62.6 50.9 76.3

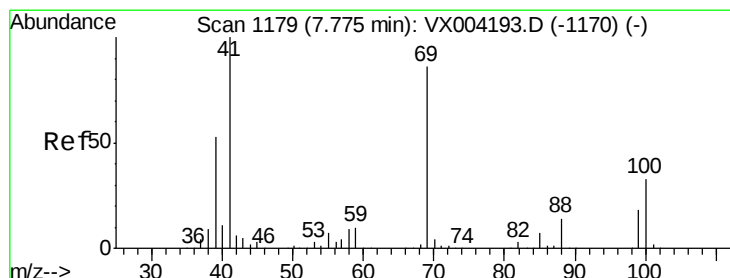
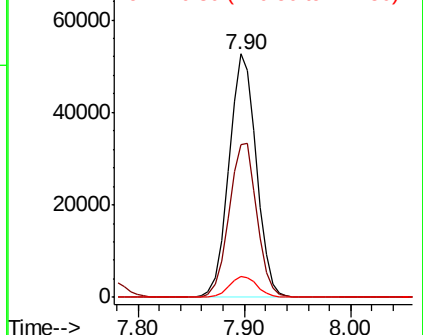
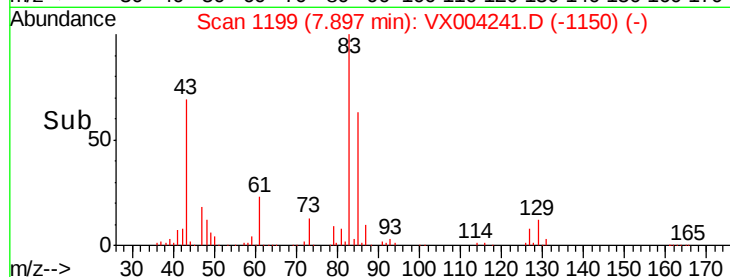
127 8.4 7.3 10.9



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: 18.03 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

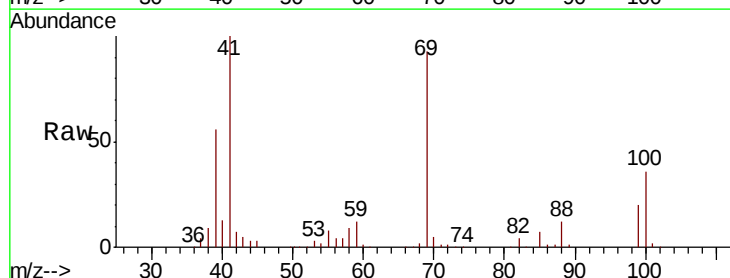
Tgt Ion: 41 Resp: 80233

Ion Ratio Lower Upper

41 100

69 89.5 70.2 105.4

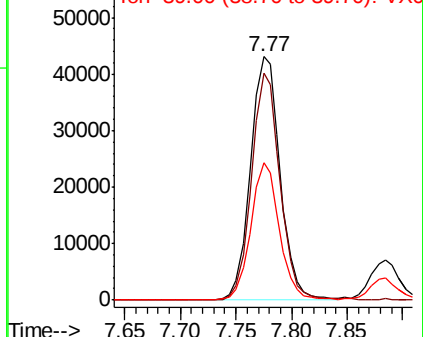
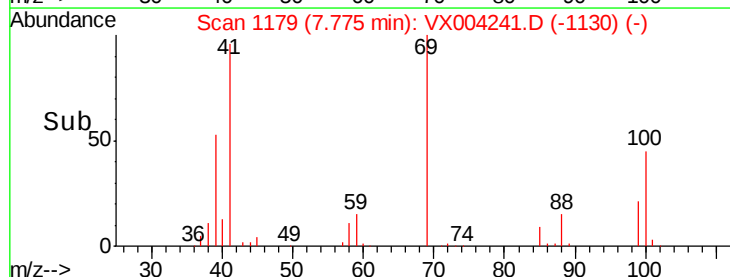
39 54.3 42.7 64.1

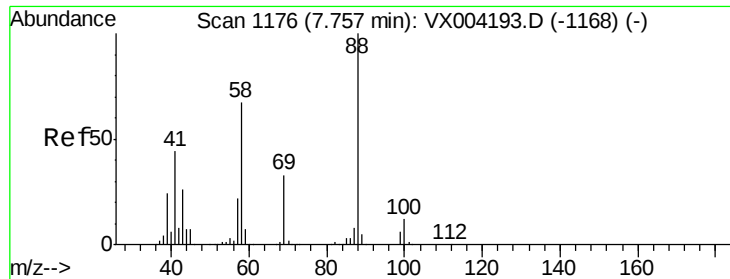


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 371.31 ug/l

RT: 7.75 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

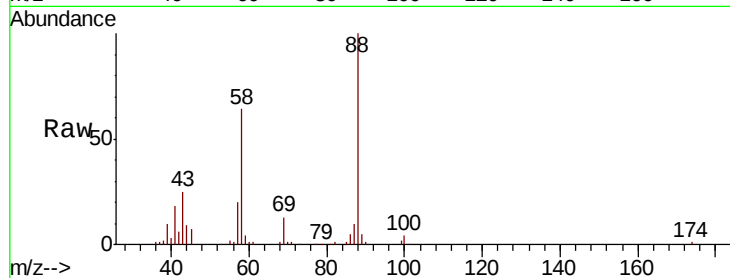
Tot Ion: 88 Resp: 37507

Ion Ratio Lower Upper

88 100

43 30.3 24.7 37.1

58 67.4 55.3 82.9

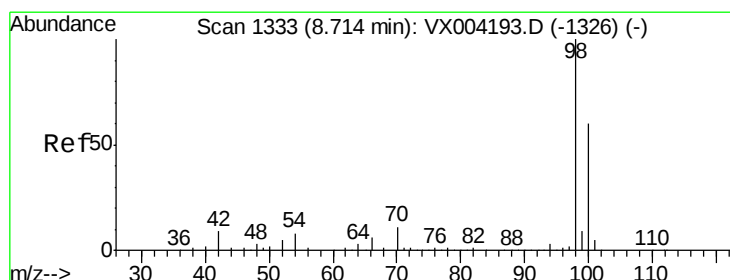
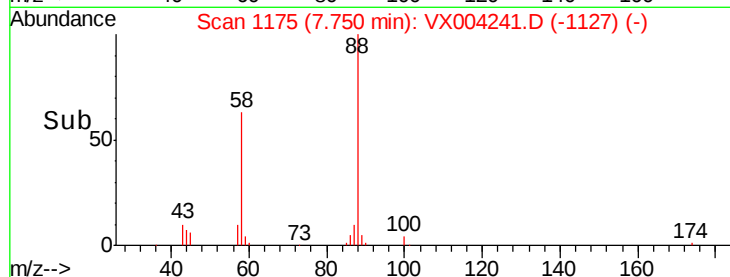
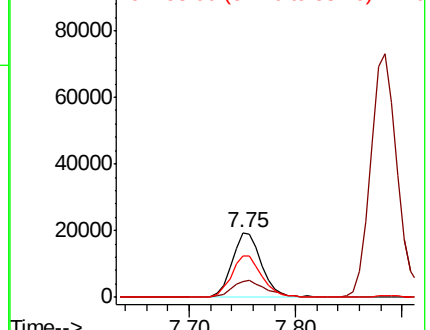


Abundance

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: 49.88 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004241.D

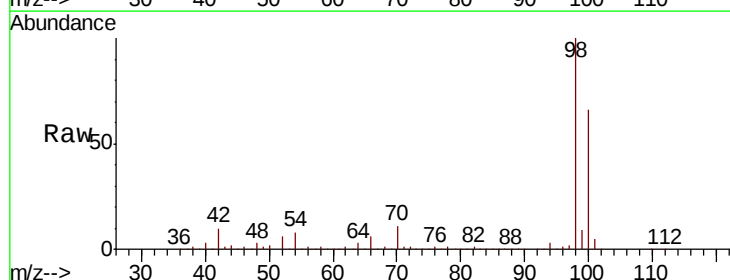
Acq: 24 Aug 2018 12:43

Tgt Ion: 98 Resp: 685551

Ion Ratio Lower Upper

98 100

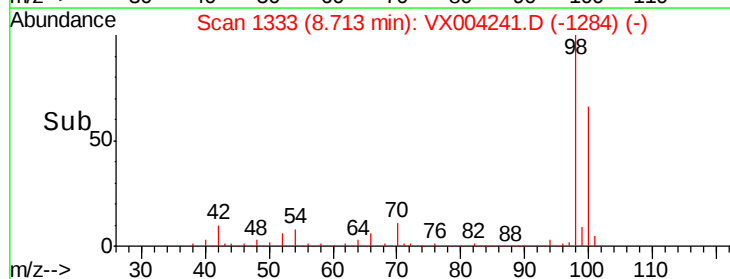
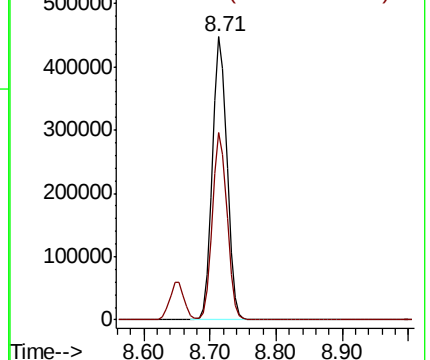
100 66.0 52.9 79.3

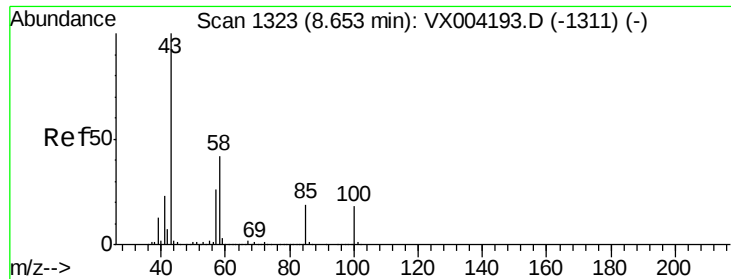


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

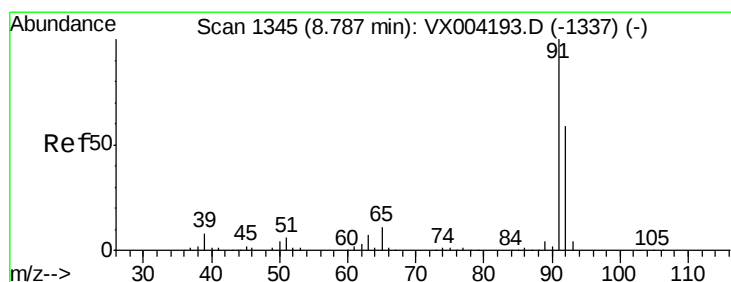
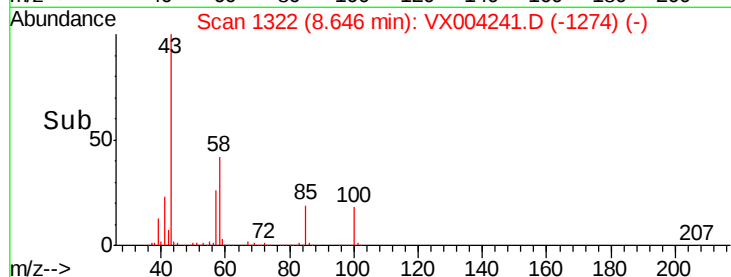
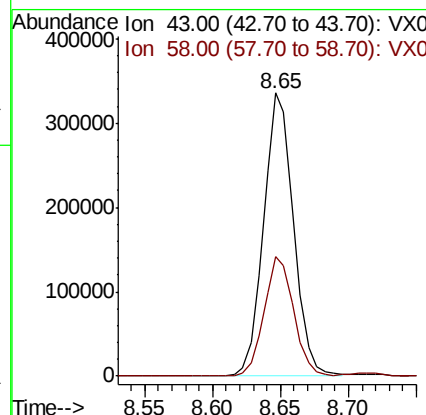
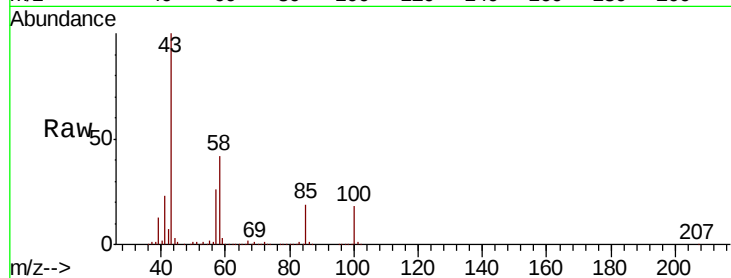




#51
 4-Methyl-2-Pentanone
 Concen: 85.63 ug/l
 RT: 8.65 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

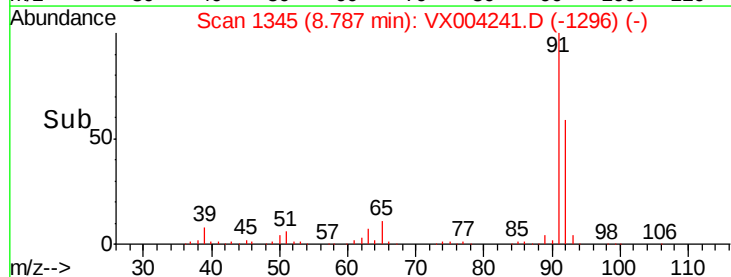
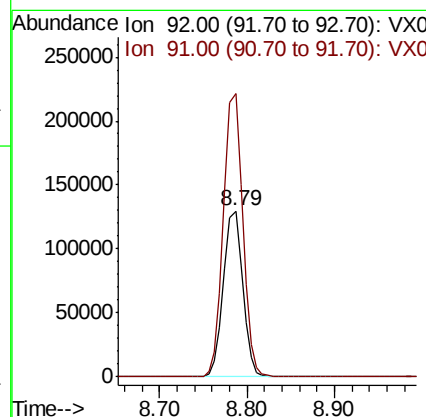
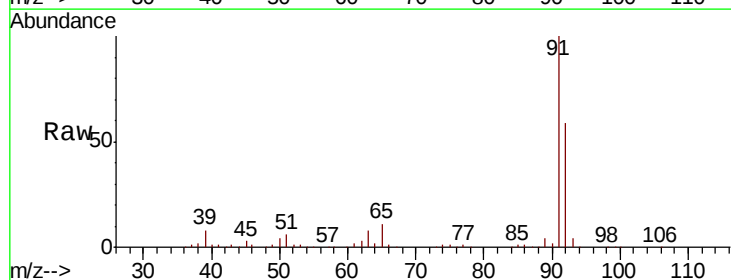
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

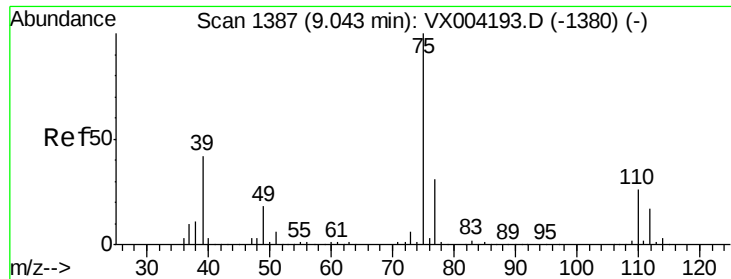
Tot Ion: 43 Resp: 517300
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.1 49.7



#52
 Toluene
 Concen: 19.41 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion: 92 Resp: 199750
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.77 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

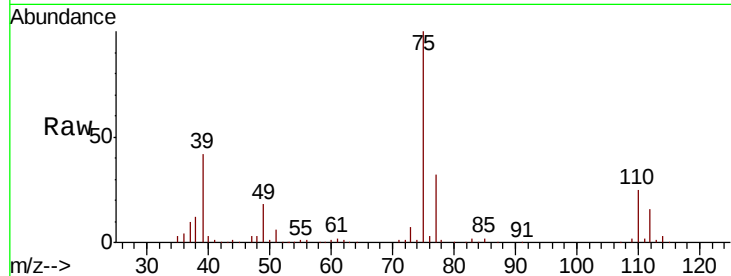
VX0824WBS01

Tot Ion: 75 Resp: 105683

Ion Ratio Lower Upper

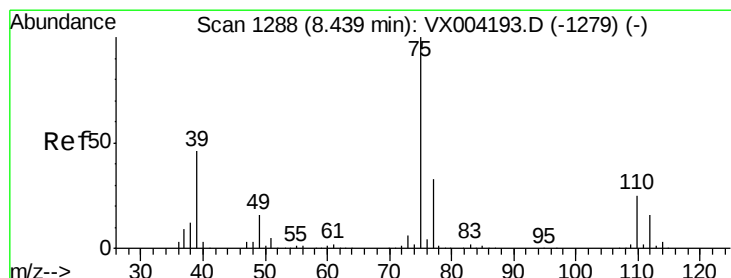
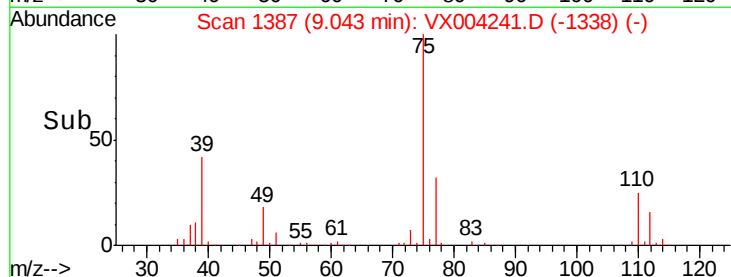
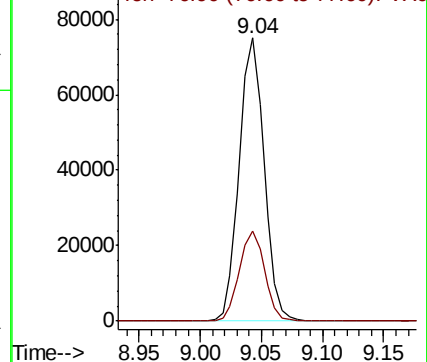
75 100

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: 19.37 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

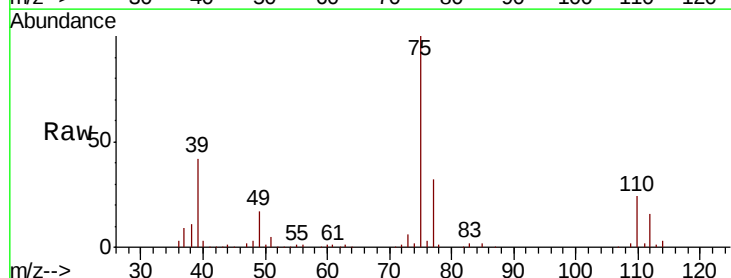
Tgt Ion: 75 Resp: 118815

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

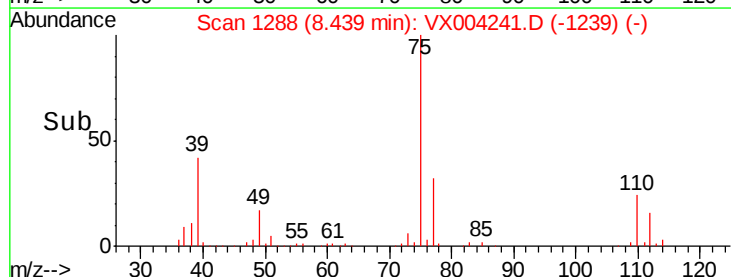
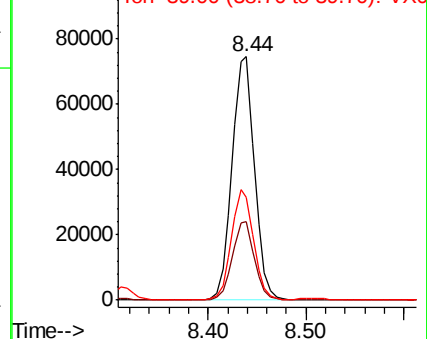
39 42.1 36.4 54.6

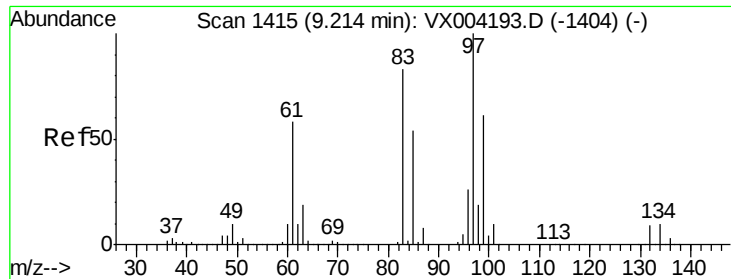


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

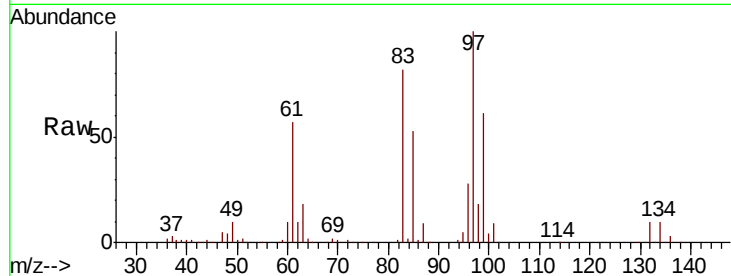




#55
 1,1,2-Trichloroethane
 Concen: 18.99 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tot Ion:	97	Resp:	78890
Ion	Ratio	Lower	Upper
97	100		
83	81.6	66.4	99.6
85	53.4	43.3	64.9
99	61.5	49.0	73.4



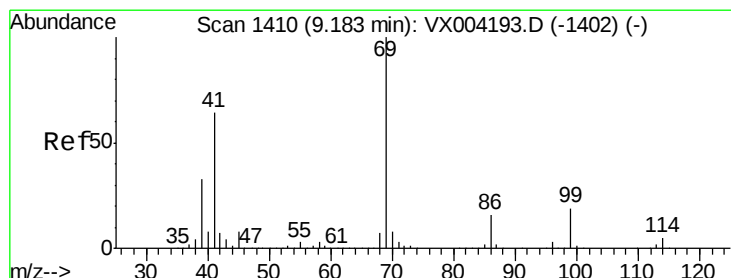
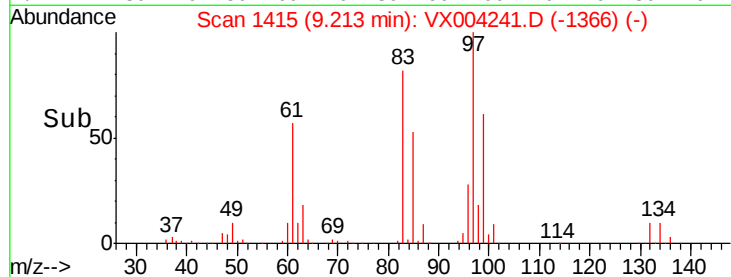
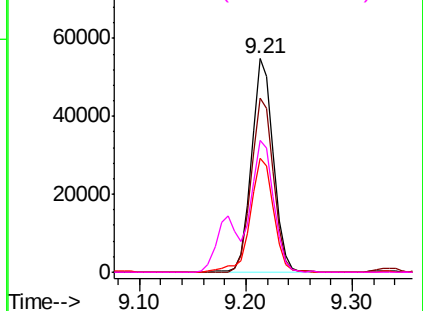
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

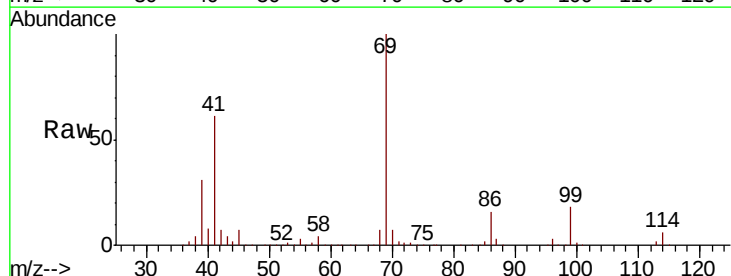
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 19.15 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion:	69	Resp:	108326
Ion	Ratio	Lower	Upper
69	100		
41	61.5	51.0	76.4
39	31.7	26.1	39.1

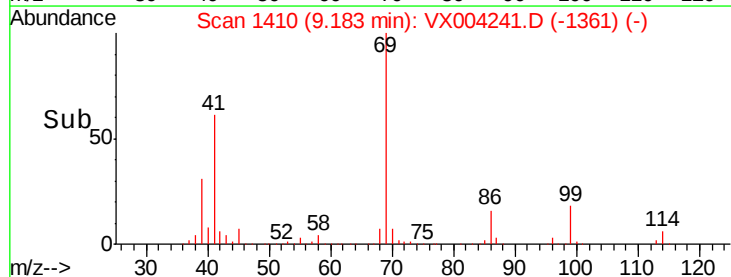
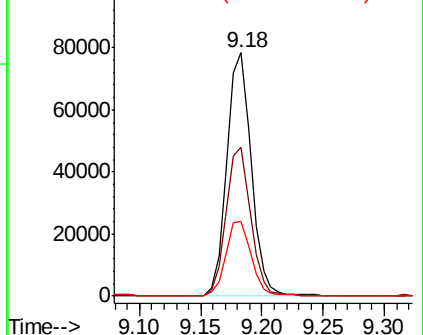


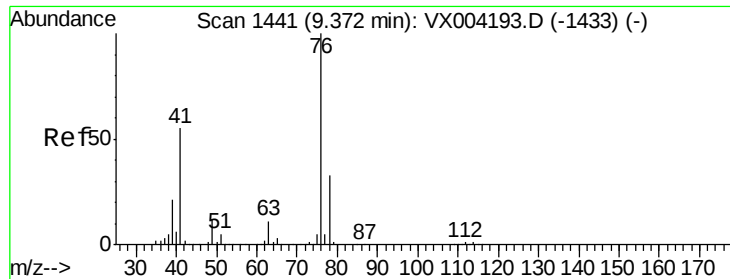
Abundance

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: 19.09 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

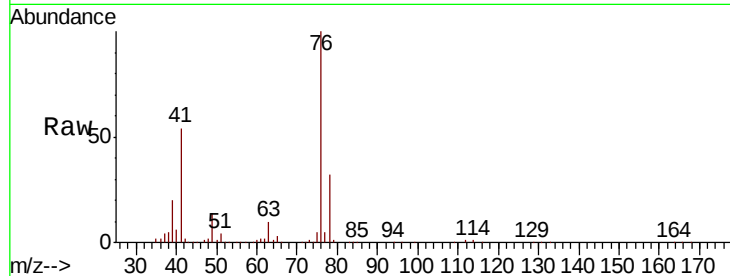
VX0824WBS01

Tot Ion: 76 Resp: 133671

Ion Ratio Lower Upper

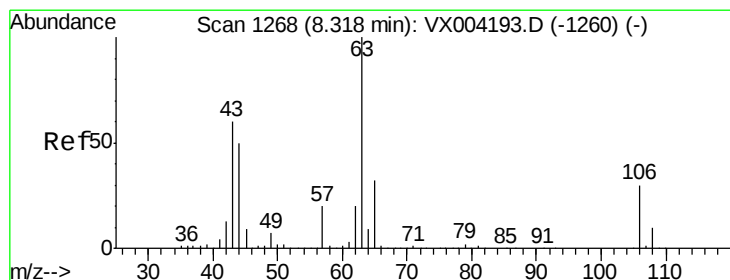
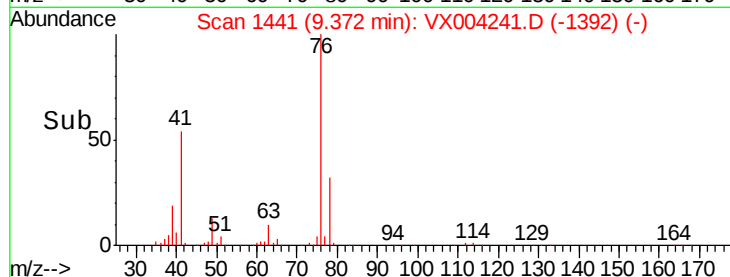
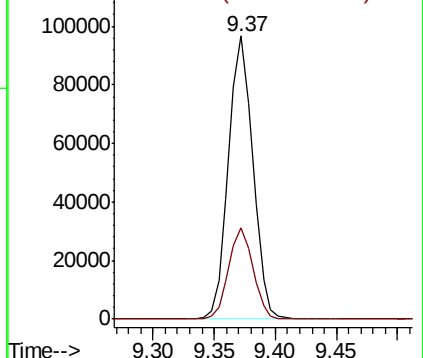
76 100

78 32.0 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: 102.50 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004241.D

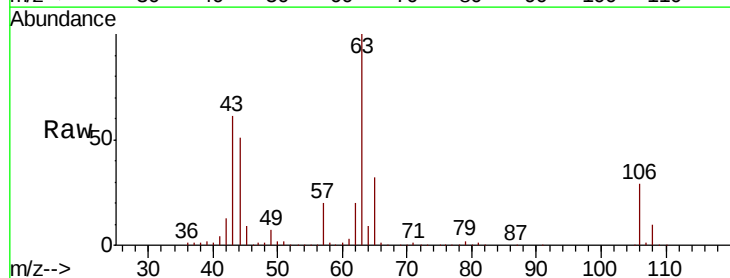
Acq: 24 Aug 2018 12:43

Tgt Ion: 63 Resp: 297013

Ion Ratio Lower Upper

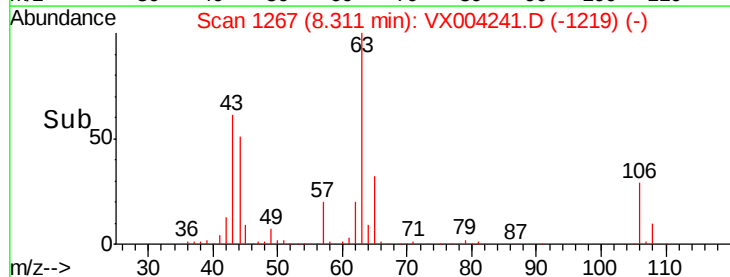
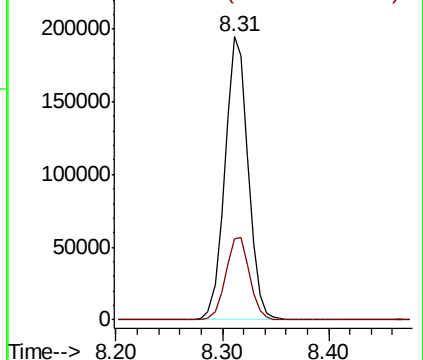
63 100

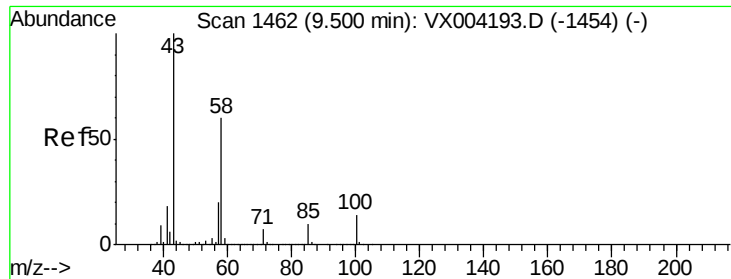
106 30.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

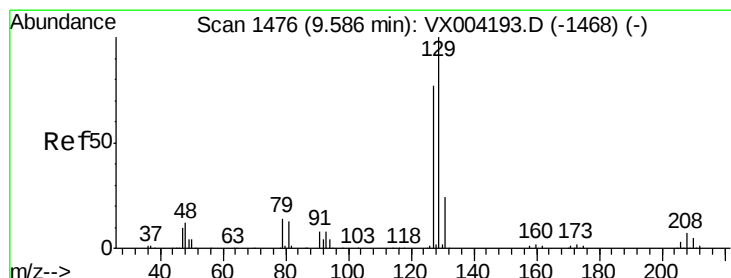
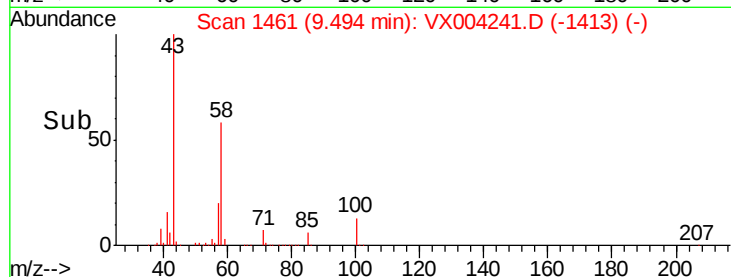
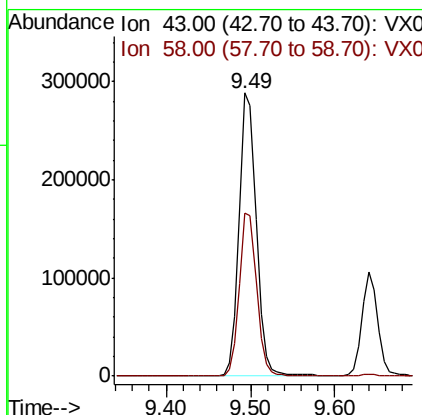
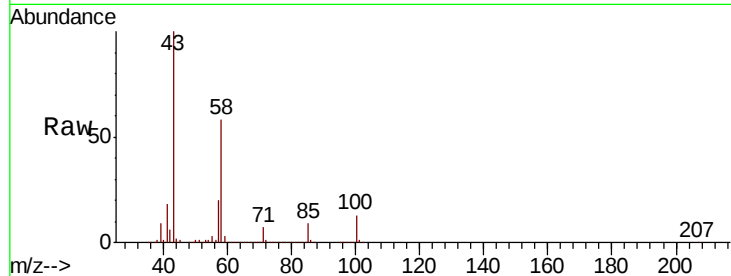




#59
2-Hexanone
Concen: 85.75 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

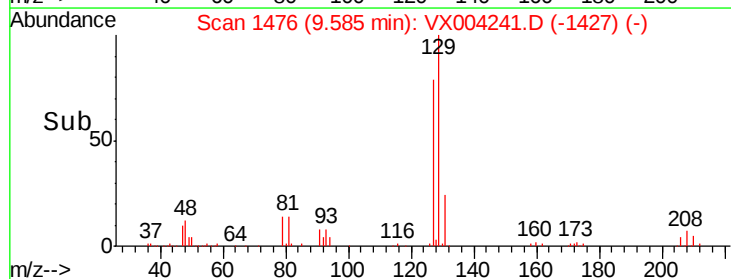
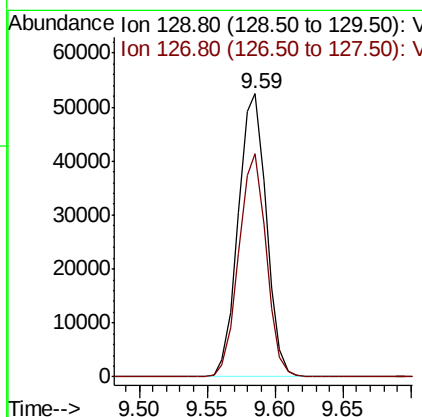
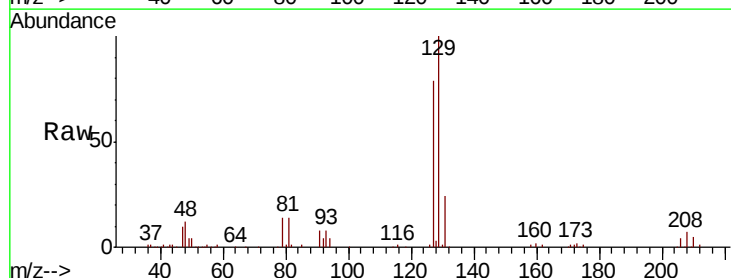
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

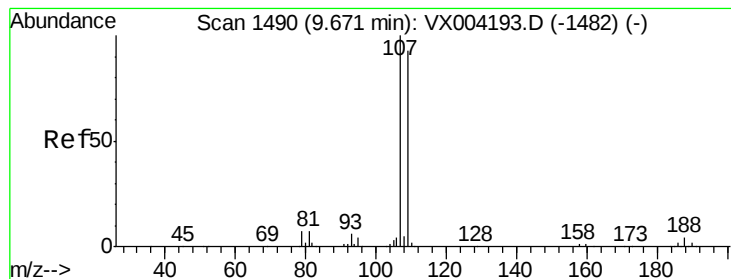
Tot Ion: 43 Resp: 395234
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0



#60
Dibromochloromethane
Concen: 18.72 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 129 Resp: 75773
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.93 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

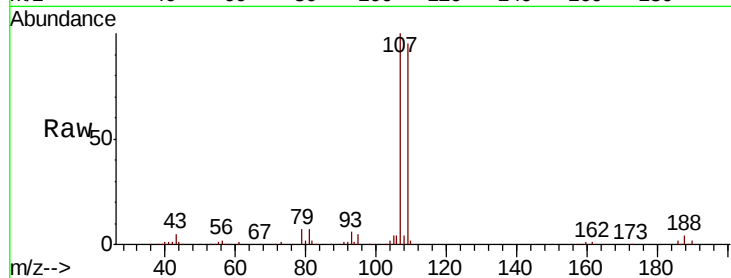
VX0824WBS01

Tot Ion:107 Resp: 81403

Ion Ratio Lower Upper

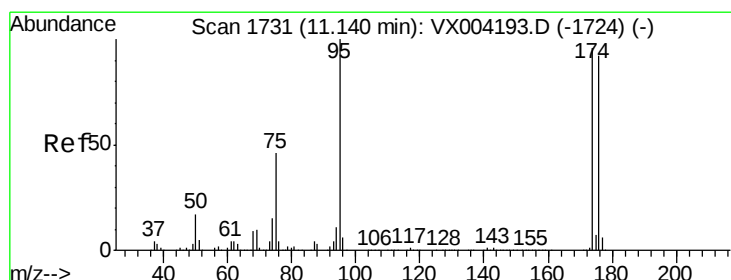
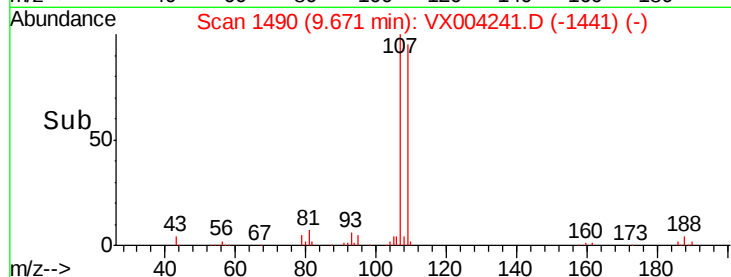
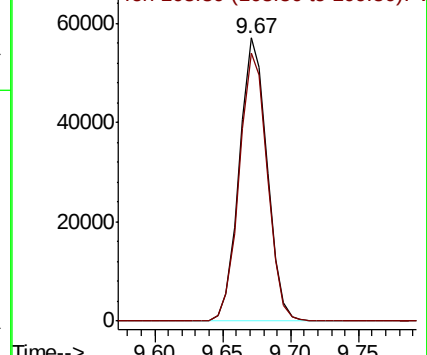
107 100

109 95.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

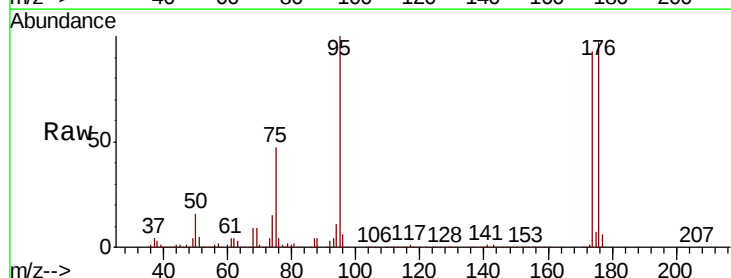
Tgt Ion: 95 Resp: 242131

Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

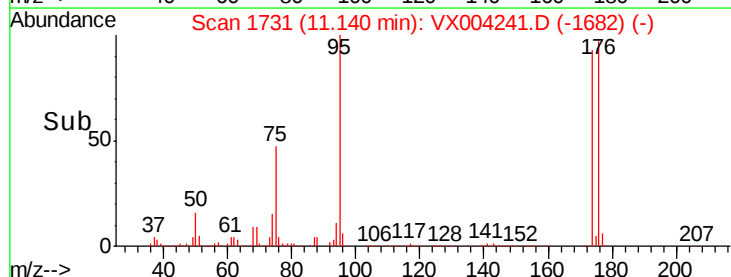
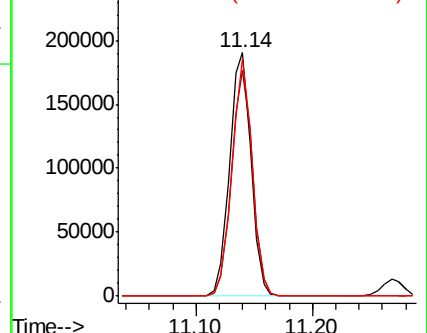
176 91.9 0.0 178.6

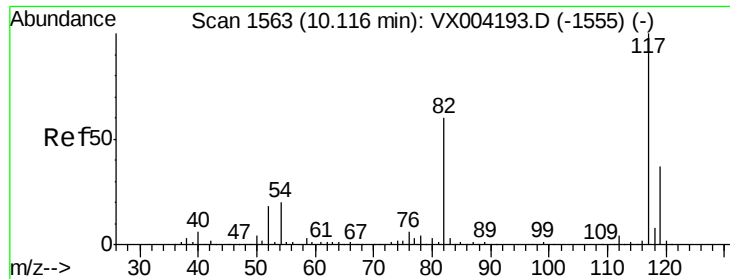


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

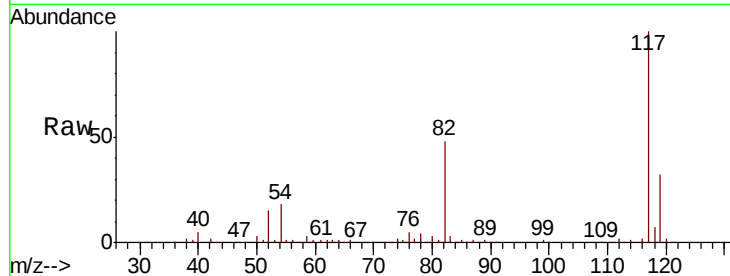




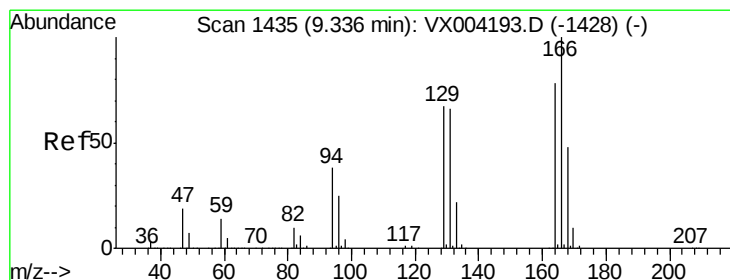
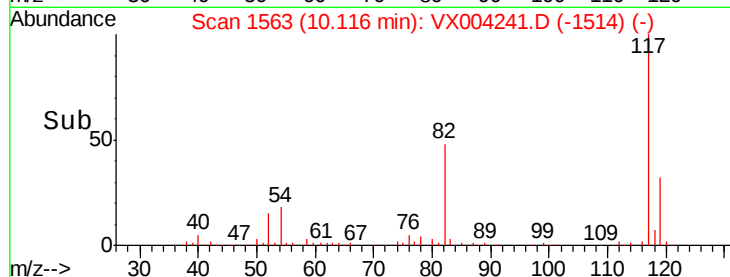
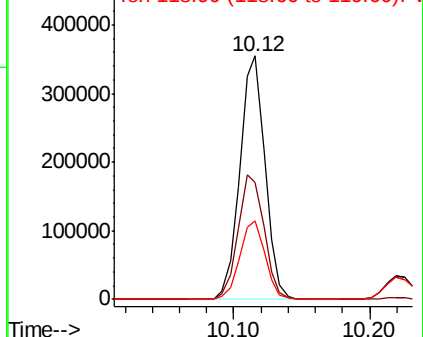
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tot Ion:117 Resp: 457072
Ion Ratio Lower Upper
117 100
82 47.9 47.8 71.6
119 32.0 29.3 43.9

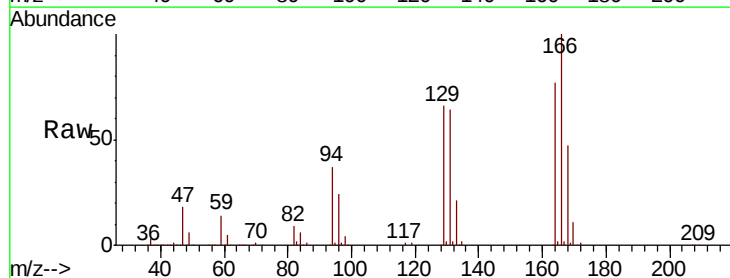


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

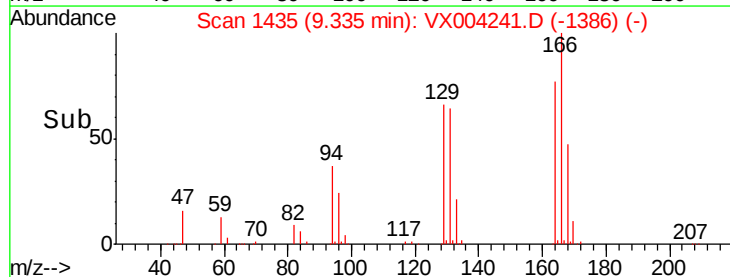
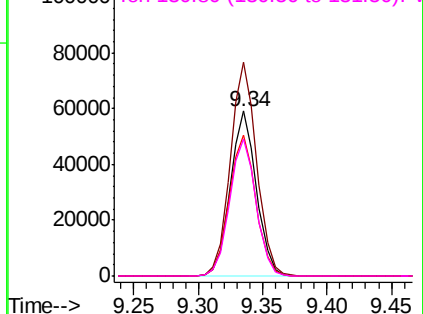


#64
Tetrachloroethene
Concen: 18.44 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion:164 Resp: 83260
Ion Ratio Lower Upper
164 100
166 129.6 102.8 154.2
129 85.3 69.4 104.0
131 83.2 67.9 101.9



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





#65

Chlorobenzene

Concen: 18.99 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

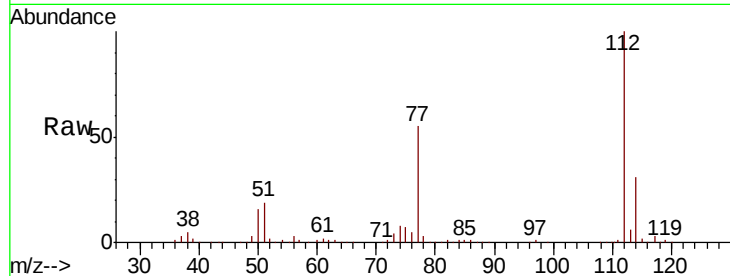
VX0824WBS01

Tot Ion:112 Resp: 217791

Ion Ratio Lower Upper

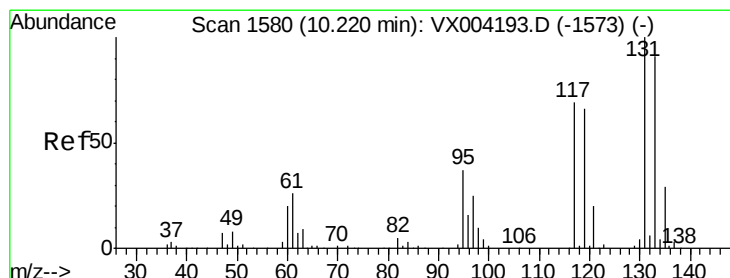
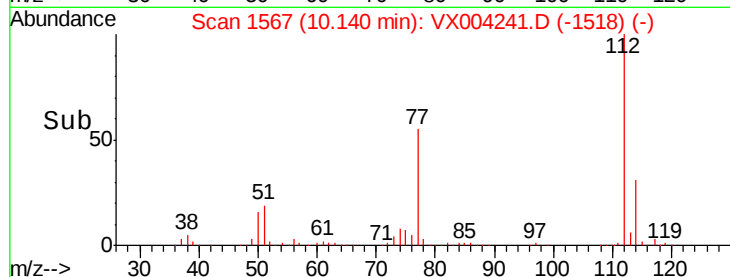
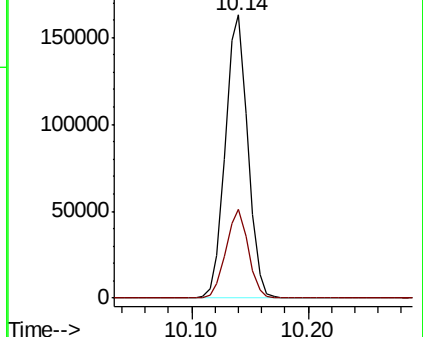
112 100

114 31.3 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.83 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

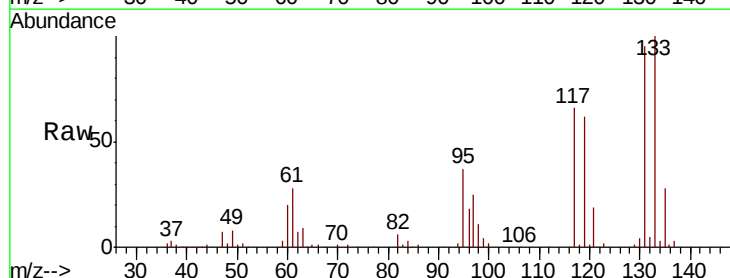
Tgt Ion:131 Resp: 70527

Ion Ratio Lower Upper

131 100

133 94.7 48.1 144.4

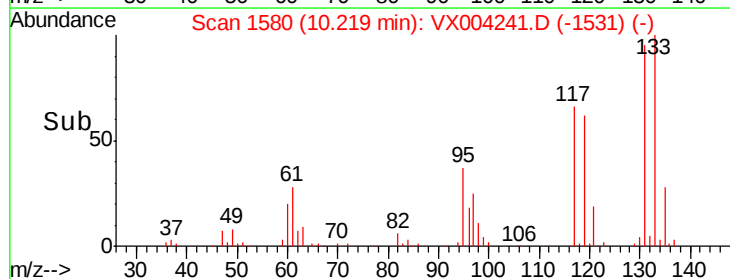
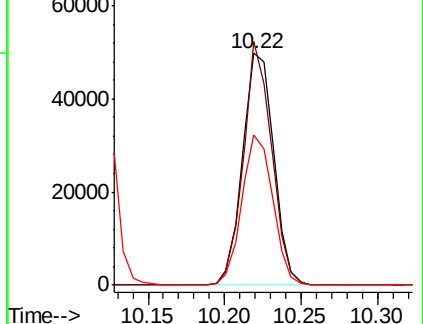
119 64.4 32.9 98.6

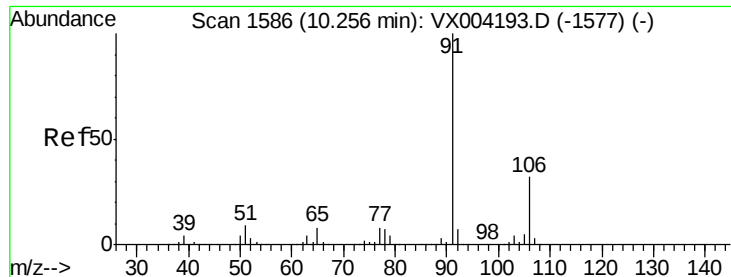


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

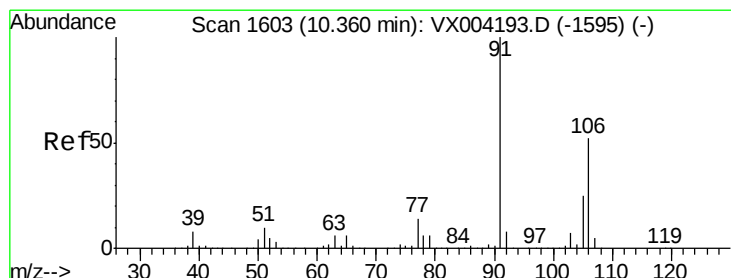
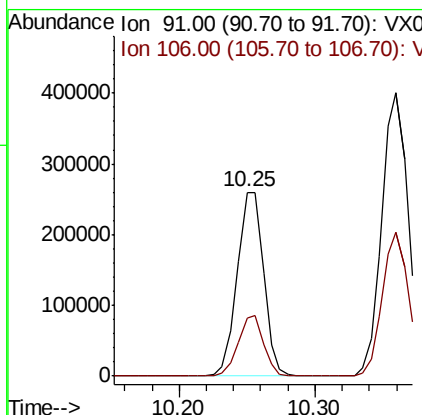
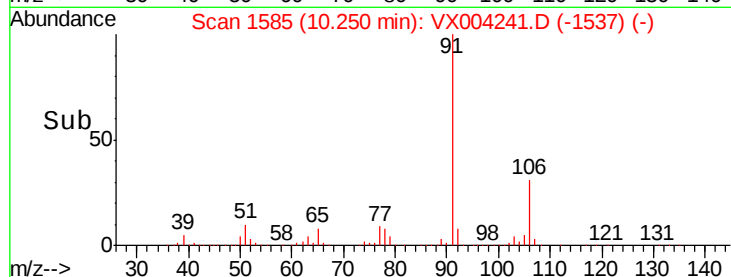
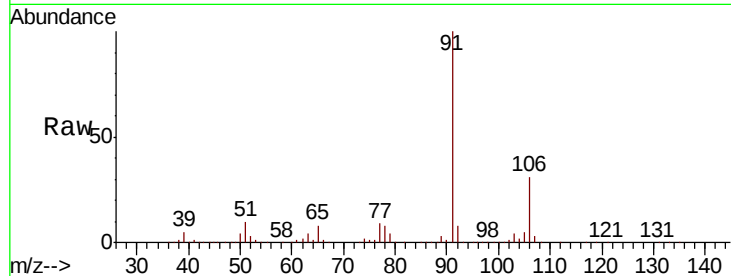




#67
Ethyl Benzene
Concen: 18.94 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

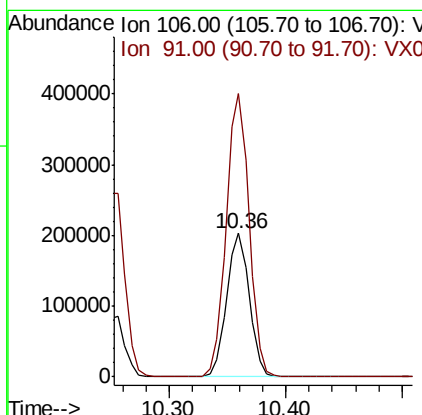
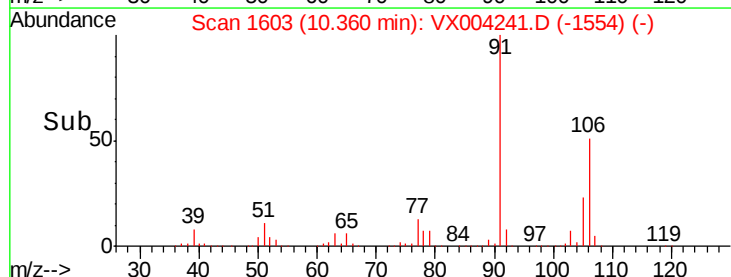
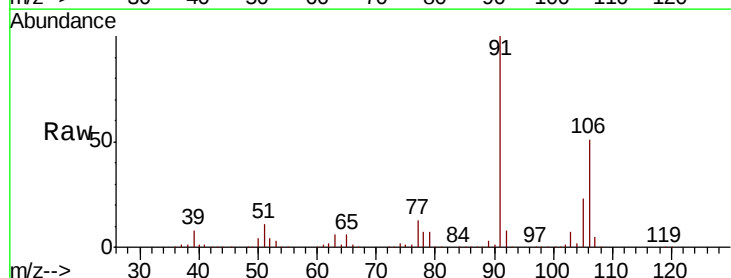
Instrument :
MSVOA_X
ClientSampled :
VX0824WBS01

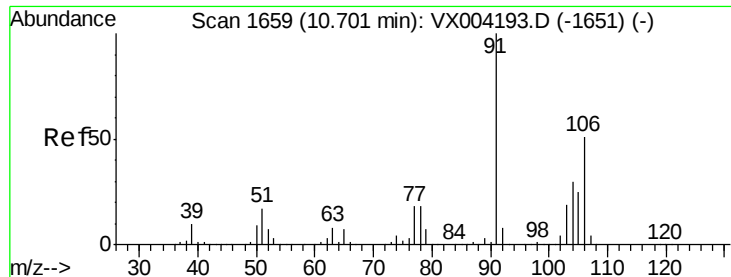
Tot Ion: 91 Resp: 352913
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9



#68
m/p-Xylenes
Concen: 37.56 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion:106 Resp: 273643
Ion Ratio Lower Upper
106 100
91 199.0 157.1 235.7

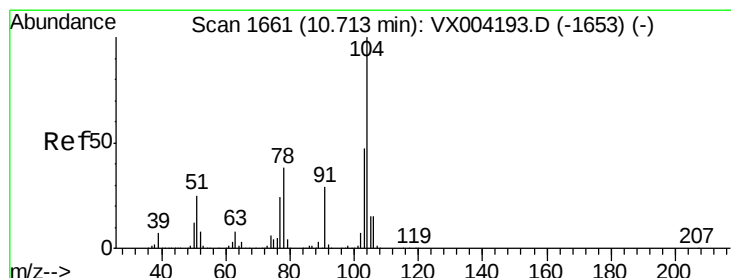
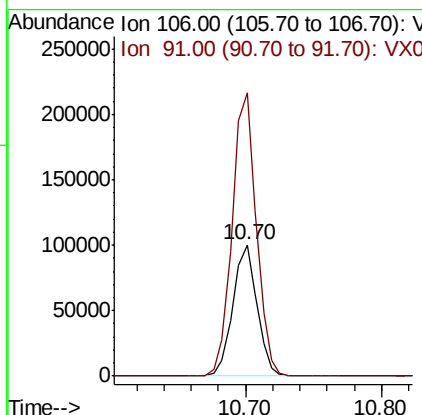
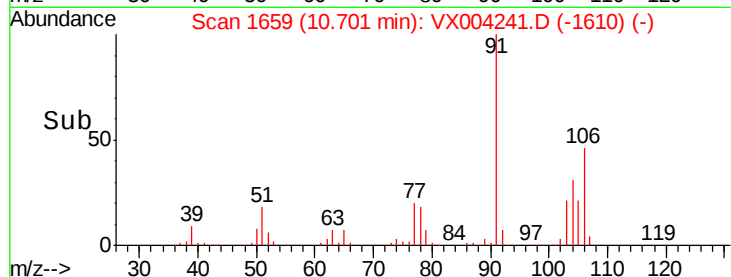
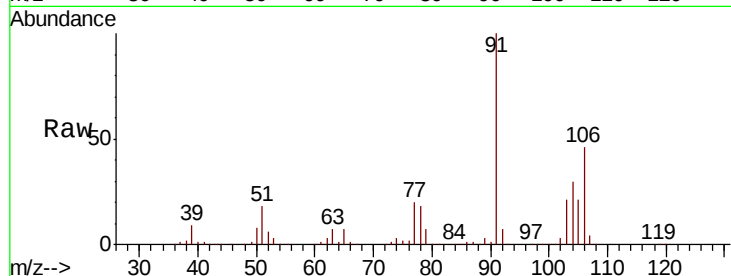




#69
o-Xylene
Concen: 17.97 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

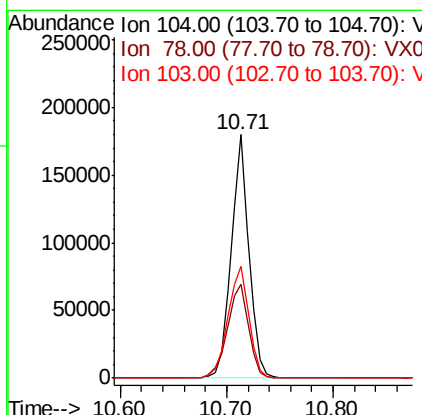
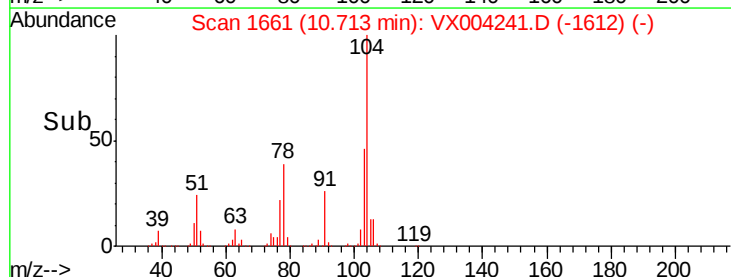
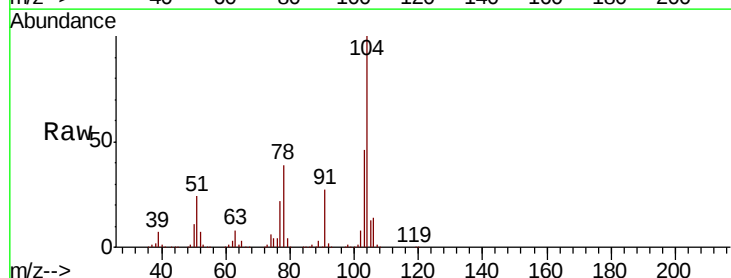
Instrument :
MSVOA_X
ClientSampled :
VX0824WBS01

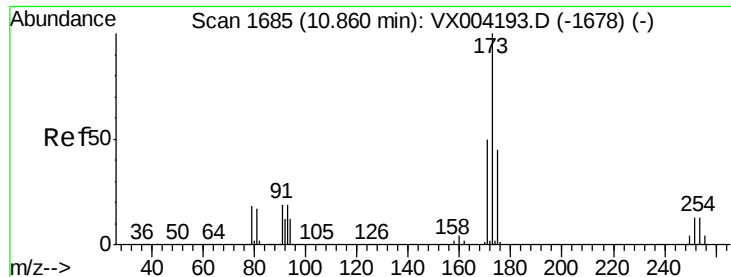
Tot Ion:106 Resp: 123859
Ion Ratio Lower Upper
106 100
91 216.4 105.1 315.1



#70
Styrene
Concen: 18.90 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion:104 Resp: 210926
Ion Ratio Lower Upper
104 100
78 46.5 37.4 56.0
103 54.2 43.8 65.6





#71

Bromoform

Concen: 16.97 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

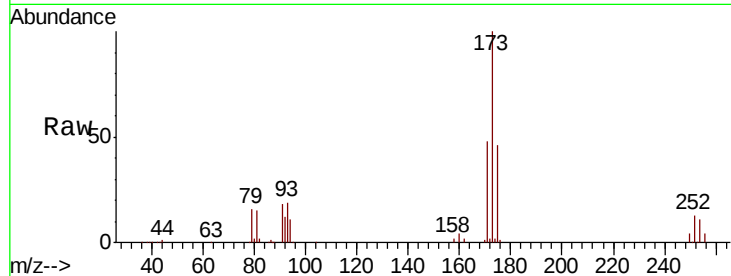
Tot Ion:173 Resp: 54136

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.3

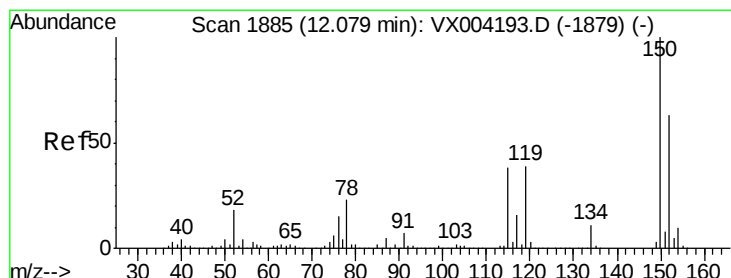
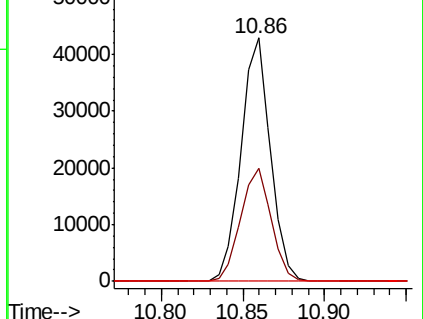
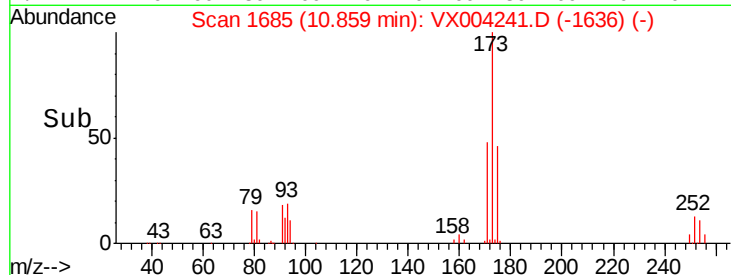
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

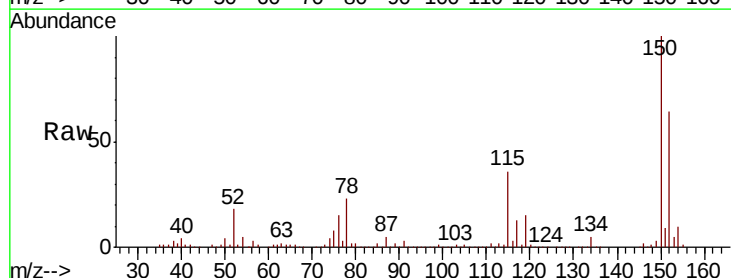
Tgt Ion:152 Resp: 238777

Ion Ratio Lower Upper

152 100

115 63.6 39.0 117.0

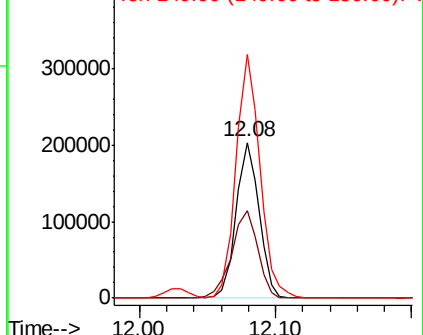
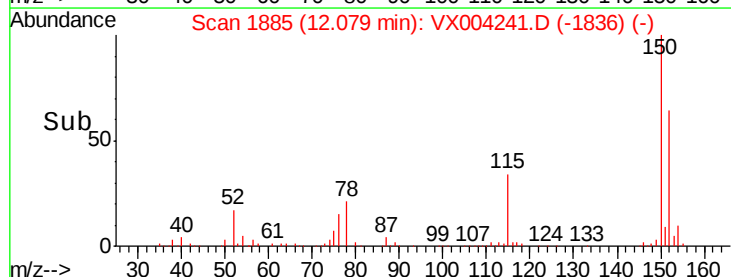
150 163.7 0.0 351.0



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: 23.05 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

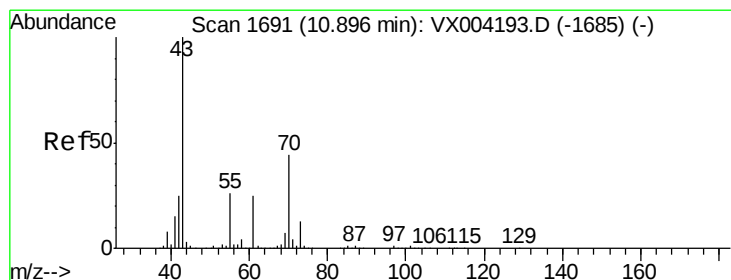
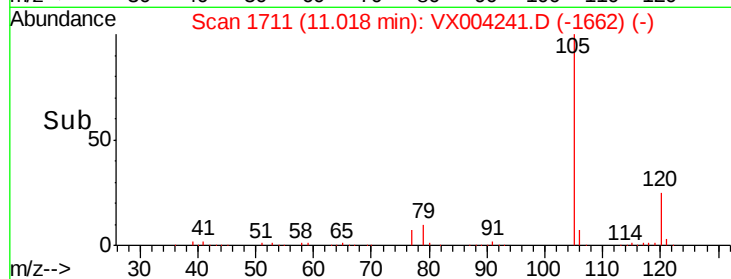
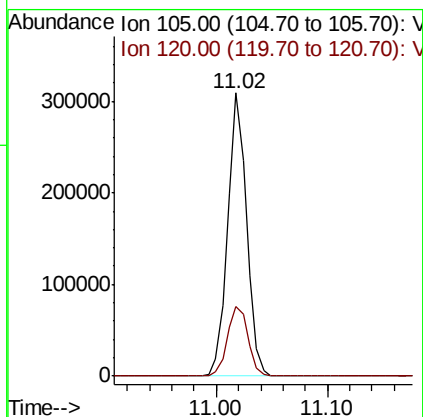
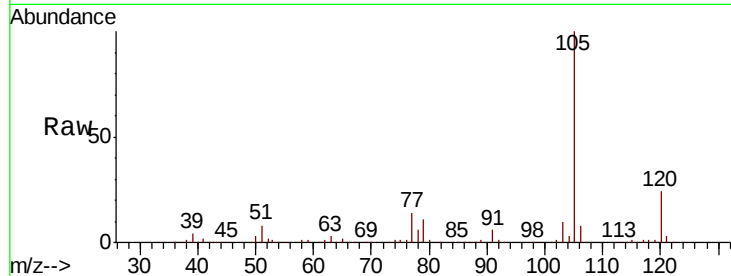
VX0824WBS01

Tot Ion:105 Resp: 361556

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 20.49 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion: 43 Resp: 123738

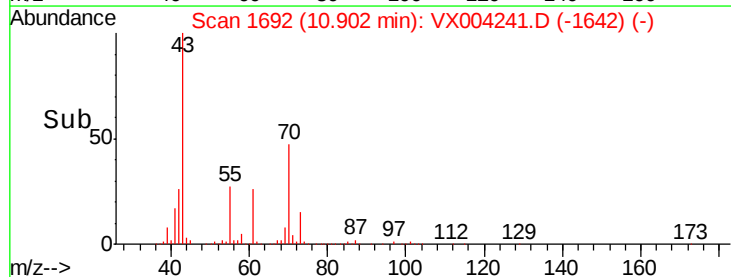
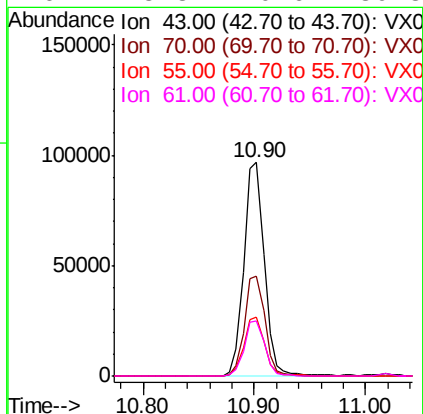
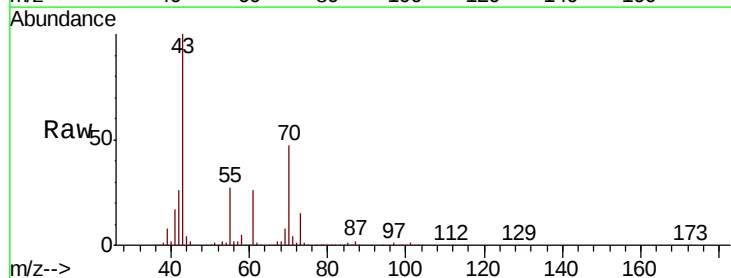
Ion Ratio Lower Upper

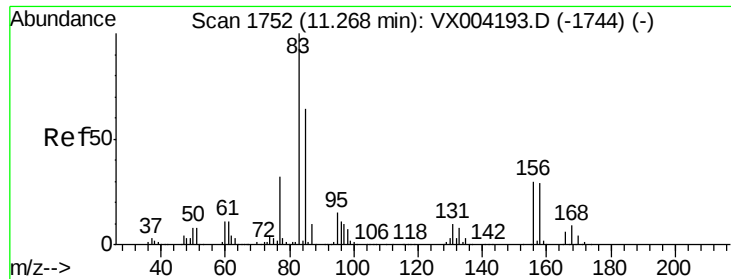
43 100

70 47.0 37.4 56.0

55 27.8 21.8 32.8

61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.79 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

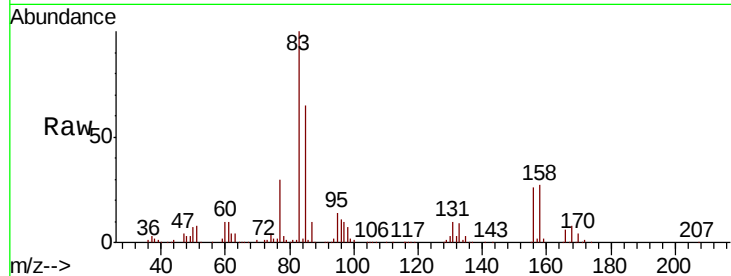
Tot Ion: 83 Resp: 114112

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

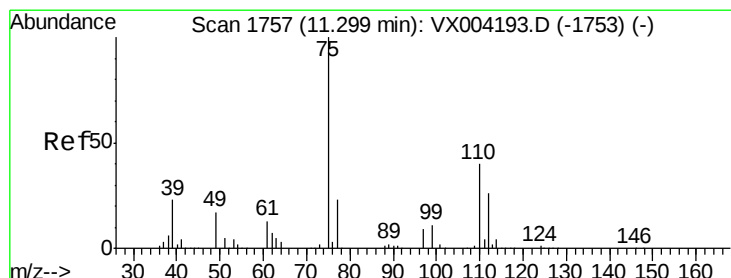
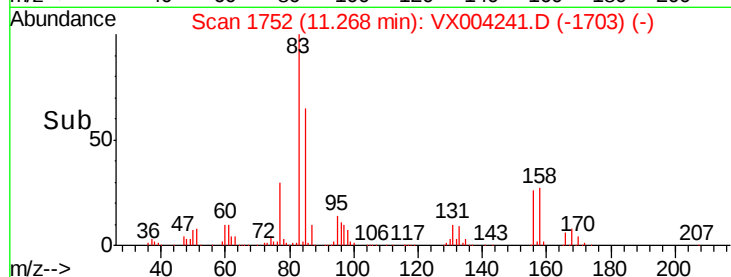
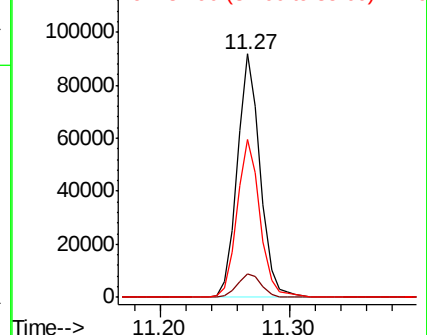
85 65.3 32.3 96.8



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: 25.77 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004241.D

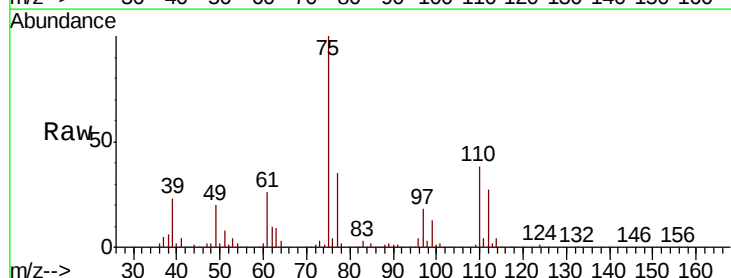
Acq: 24 Aug 2018 12:43

Tgt Ion: 75 Resp: 125162

Ion Ratio Lower Upper

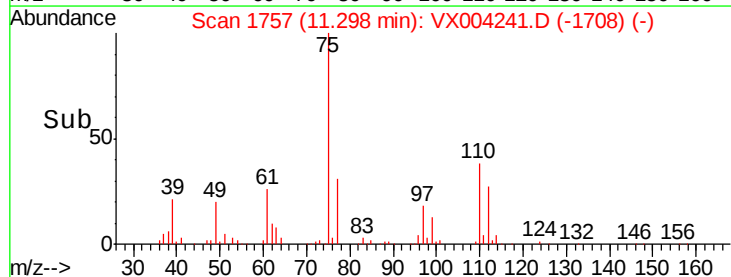
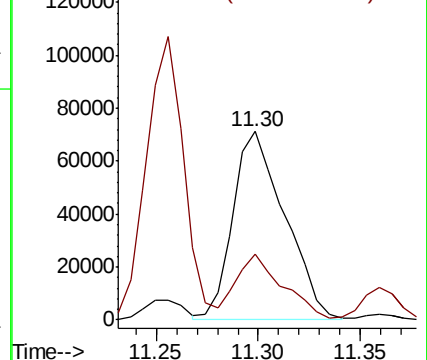
75 100

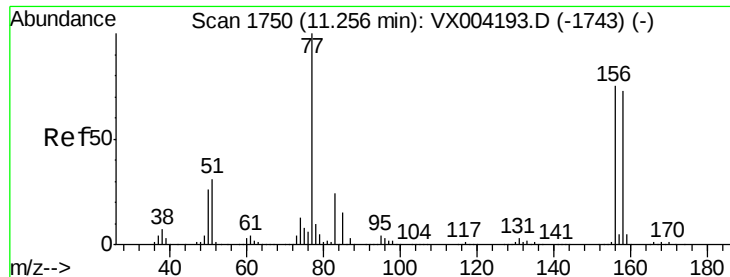
77 31.5 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.46 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

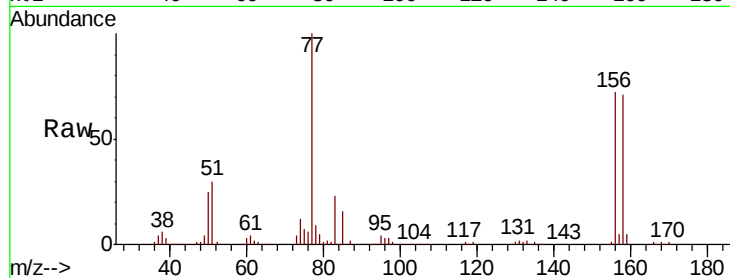
Tot Ion:156 Resp: 94427

Ion Ratio Lower Upper

156 100

77 144.6 71.5 214.3

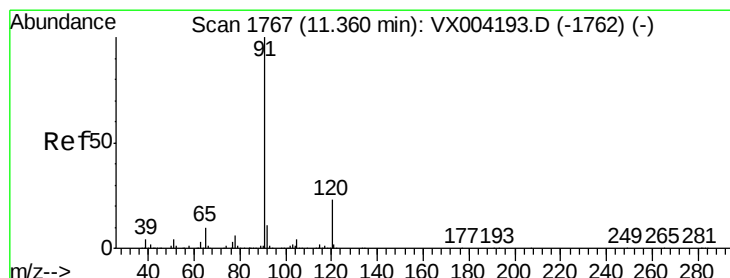
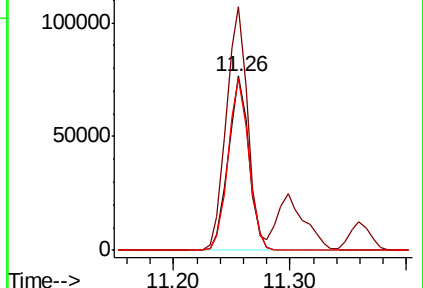
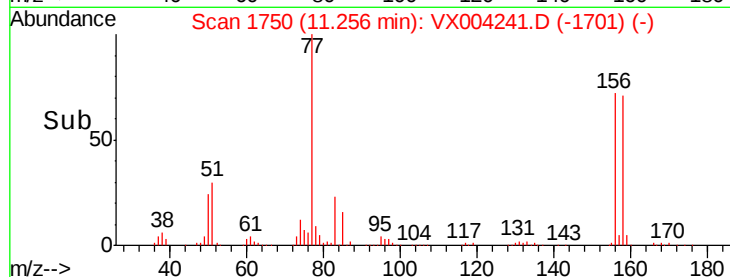
158 98.9 48.9 146.8



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: 22.32 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004241.D

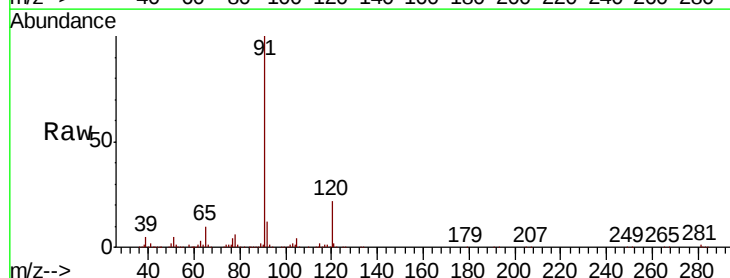
Acq: 24 Aug 2018 12:43

Tgt Ion: 91 Resp: 402589

Ion Ratio Lower Upper

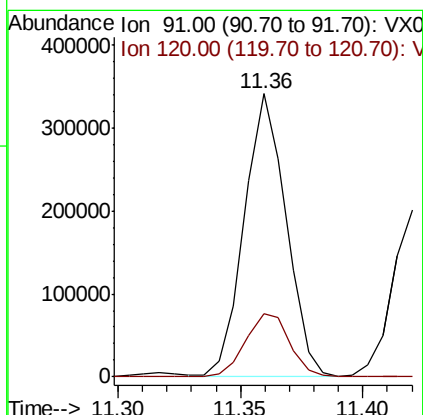
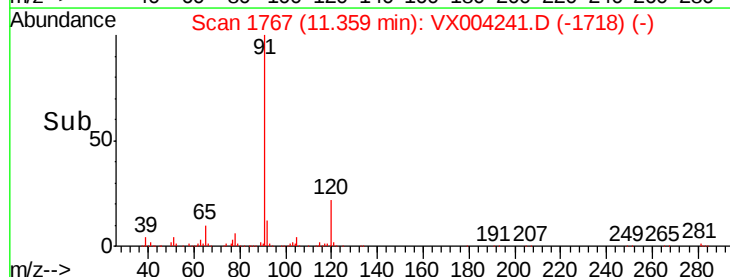
91 100

120 23.6 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: 22.41 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

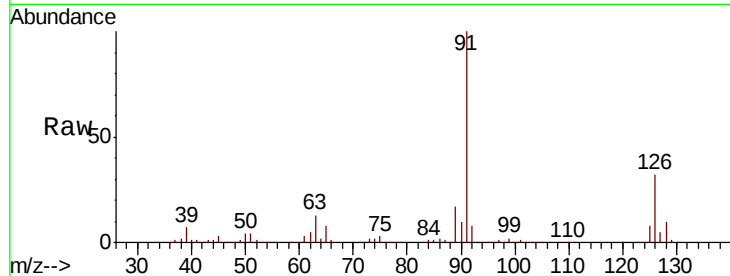
VX0824WBS01

Tot Ion: 91 Resp: 248760

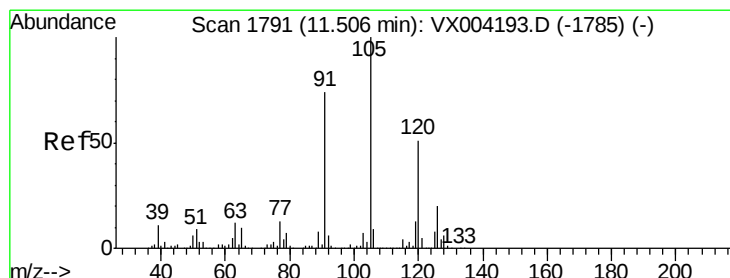
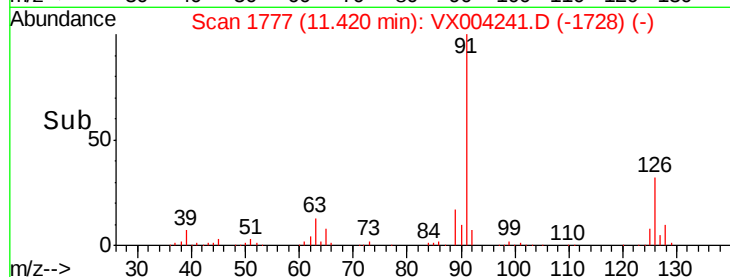
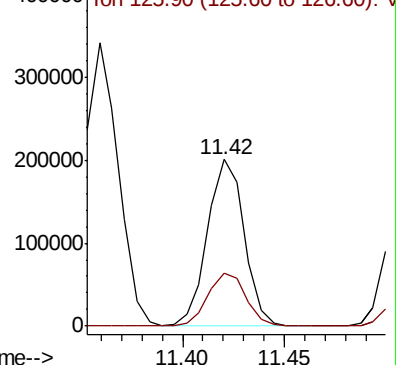
Ion Ratio Lower Upper

91 100

126 33.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.13 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004241.D

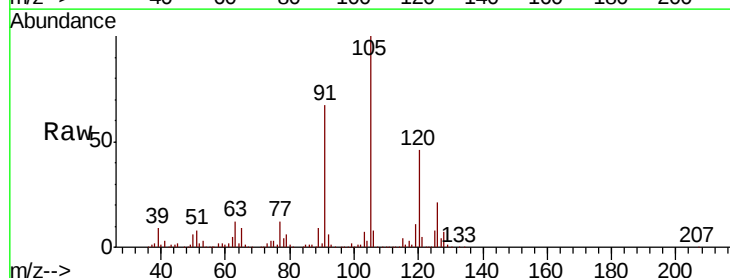
Acq: 24 Aug 2018 12:43

Tgt Ion:105 Resp: 287383

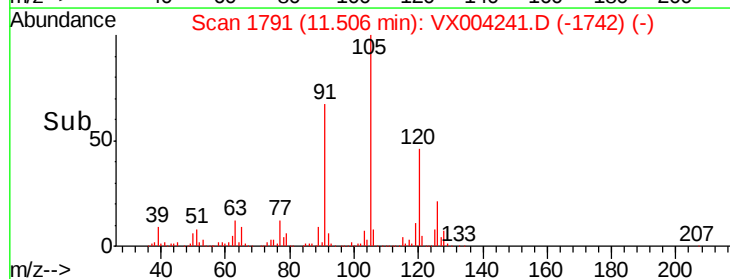
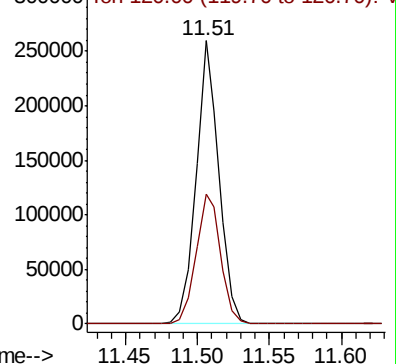
Ion Ratio Lower Upper

105 100

120 50.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.79 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

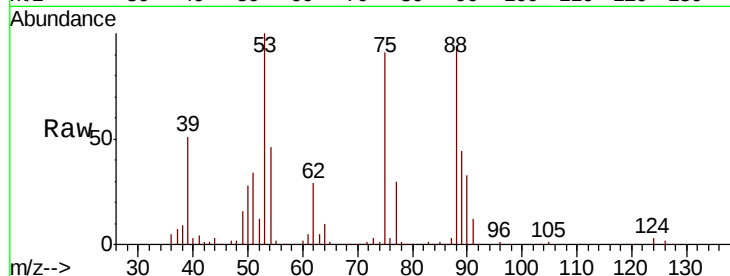
Tot Ion: 75 Resp: 29627

Ion Ratio Lower Upper

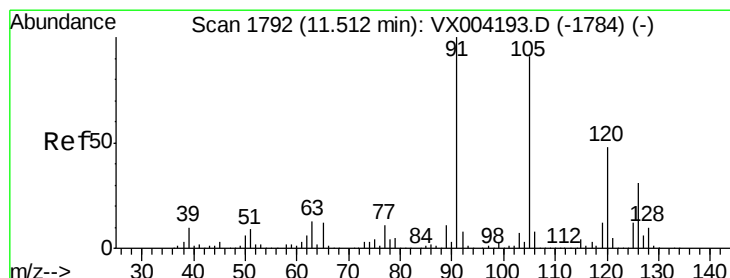
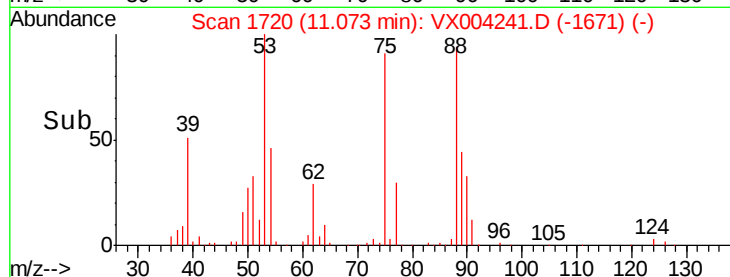
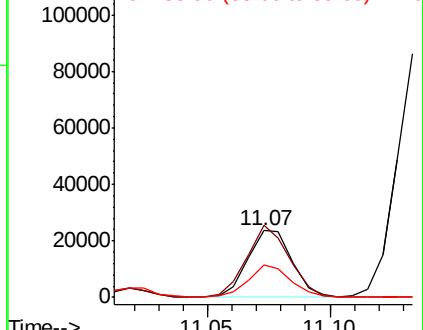
75 100

53 104.9 80.1 120.1

89 47.2 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: 21.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004241.D

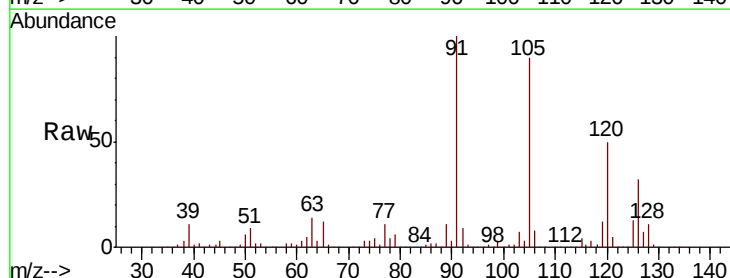
Acq: 24 Aug 2018 12:43

Tgt Ion: 91 Resp: 277244

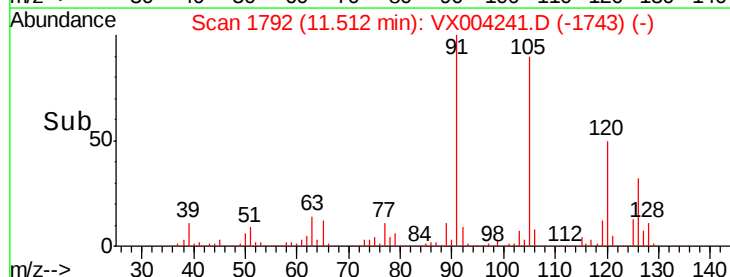
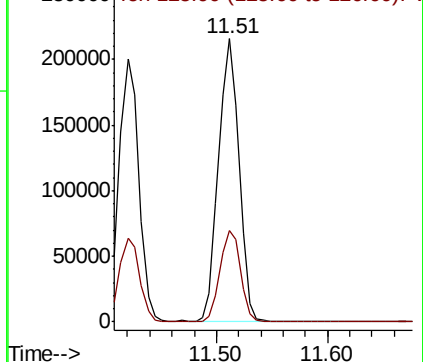
Ion Ratio Lower Upper

91 100

126 32.4 15.5 46.5



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

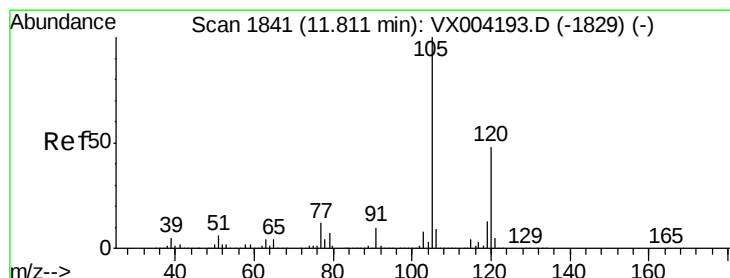
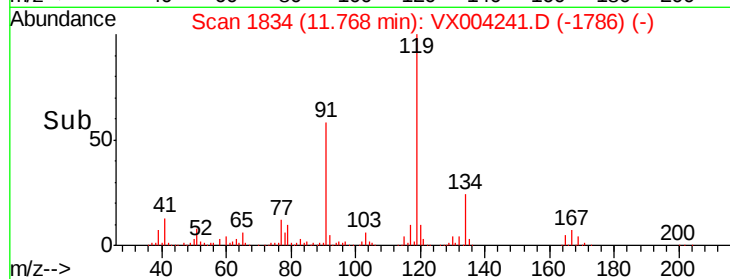
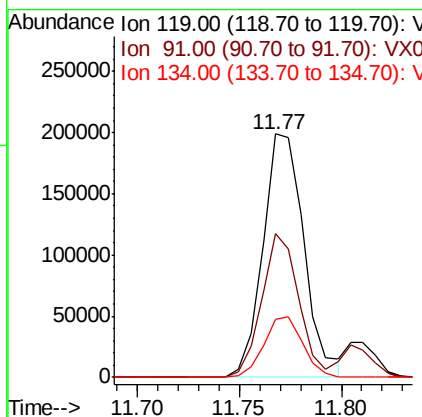
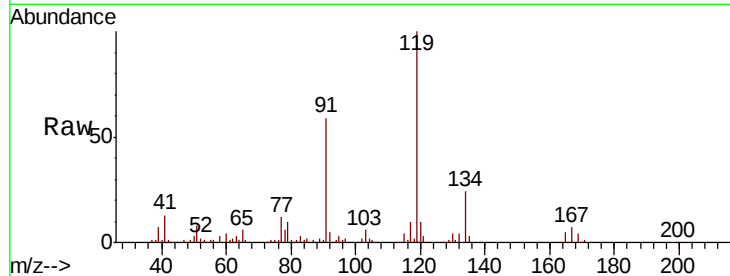




#83
 tert-Butylbenzene
 Concen: 21.41 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

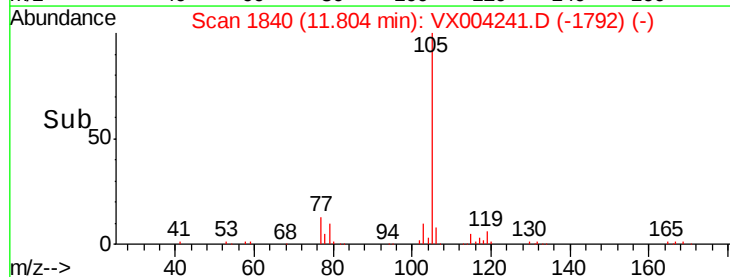
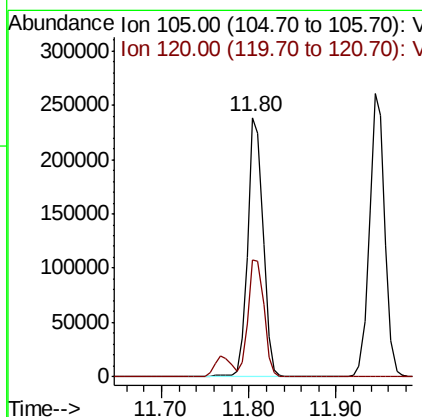
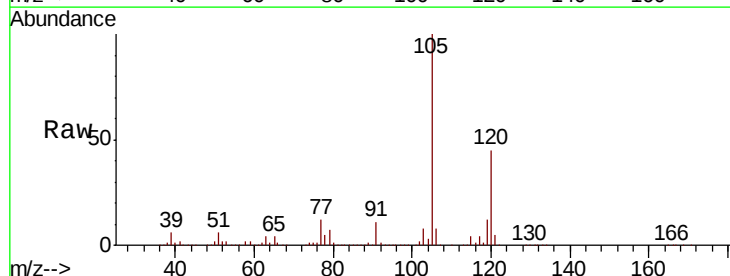
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0824WBS01

Tot Ion:119 Resp: 279700
 Ion Ratio Lower Upper
 119 100
 91 52.8 27.0 81.0
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.67 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion:105 Resp: 288897
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.68 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

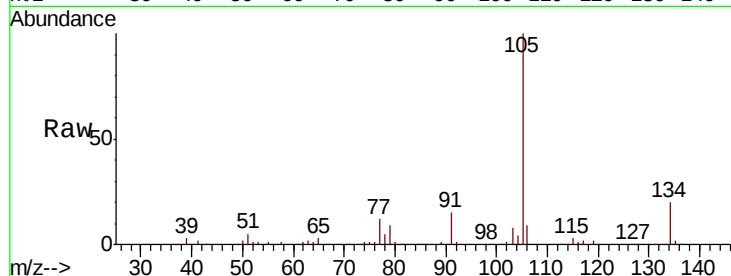
VX0824WBS01

Tot Ion:105 Resp: 320847

Ion Ratio Lower Upper

105 100

134 20.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

250000

200000

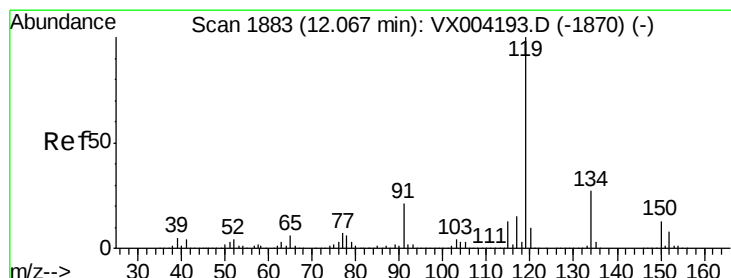
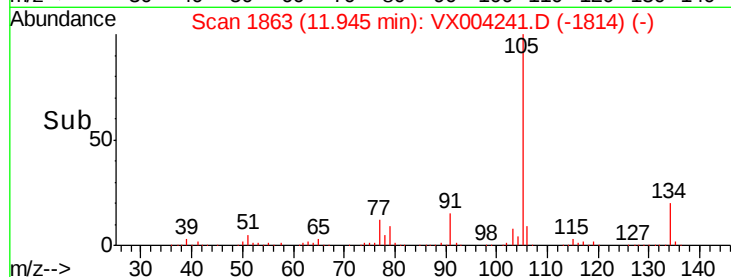
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.86 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

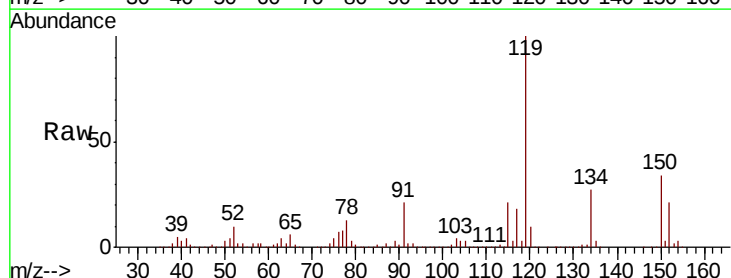
Tgt Ion:119 Resp: 289991

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.8 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

12.07

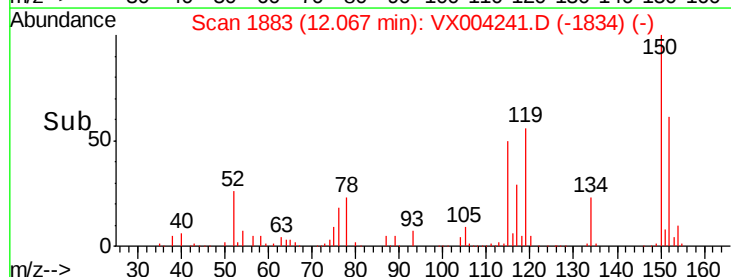
300000

200000

100000

0

Time-->

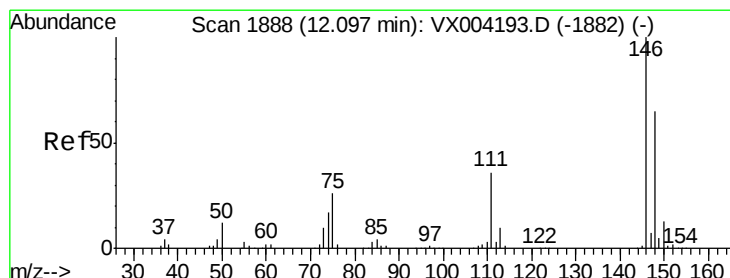
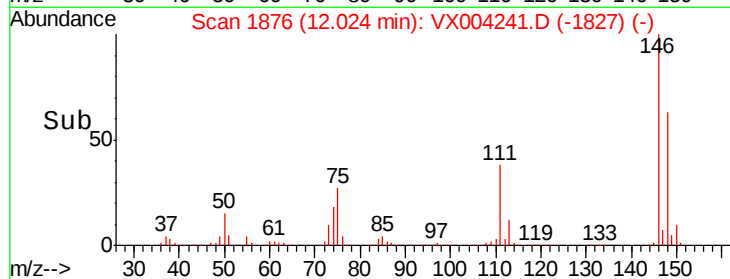
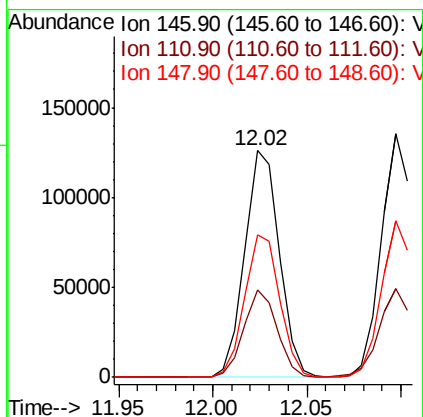
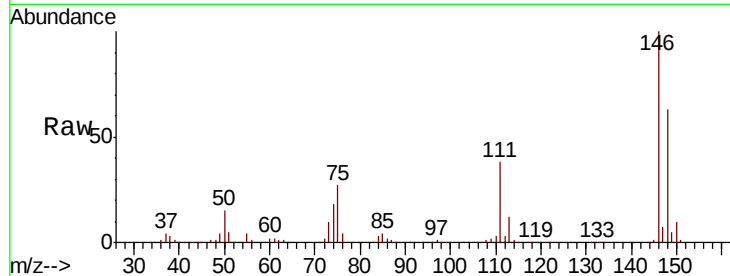




#87
 1,3-Dichlorobenzene
 Concen: 19.41 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

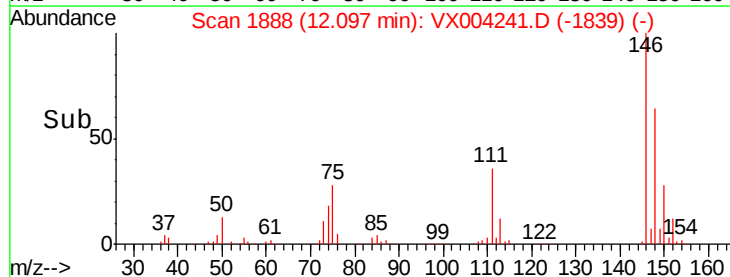
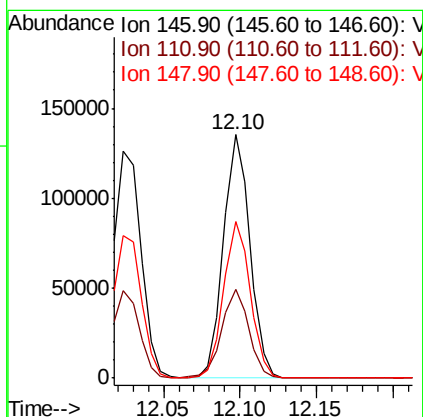
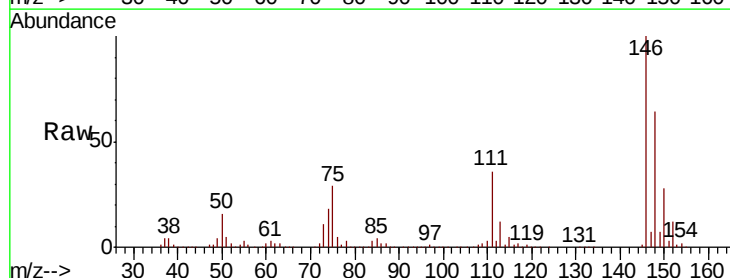
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tot Ion:146 Resp: 160791
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.7 56.1
 148 63.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion:146 Resp: 162886
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.1
 148 65.0 32.0 96.0

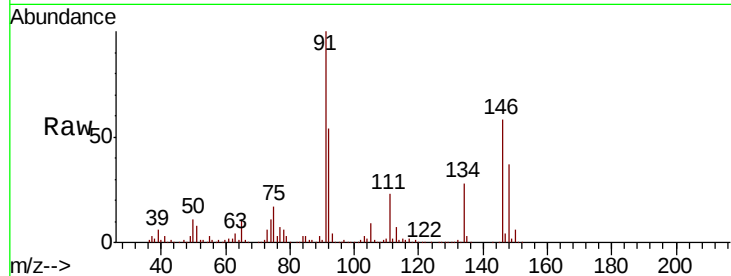




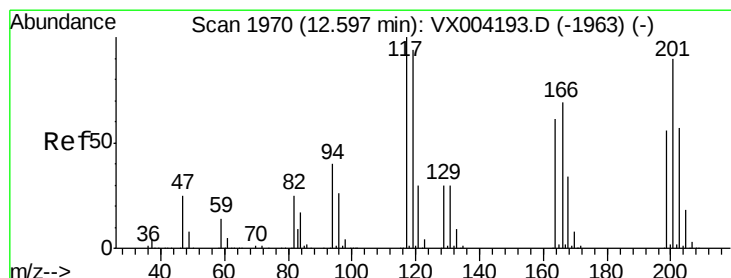
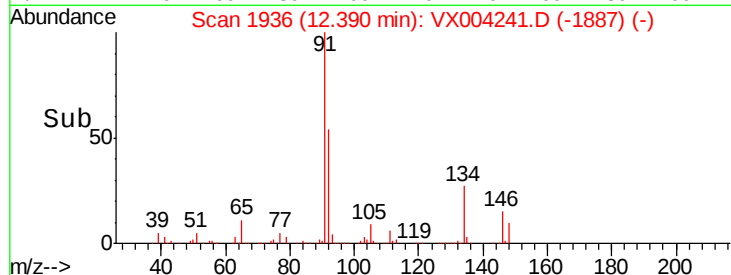
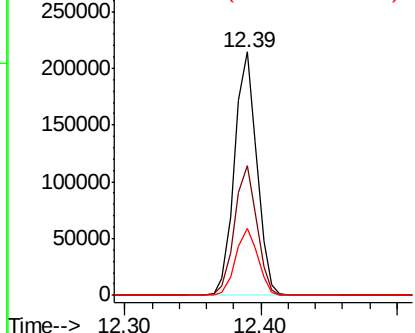
#89
n-Butylbenzene
Concen: 21.61 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tot Ion: 91 Resp: 244250
Ion Ratio Lower Upper
91 100
92 53.5 27.3 81.9
134 27.4 13.6 40.7

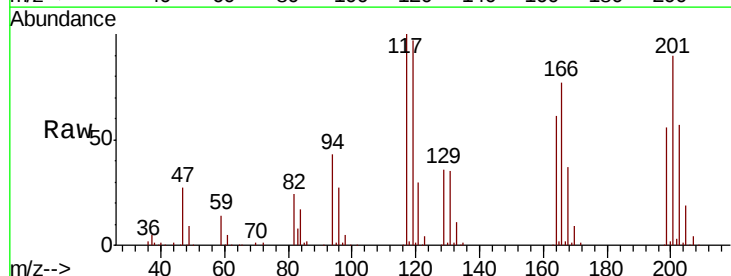


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

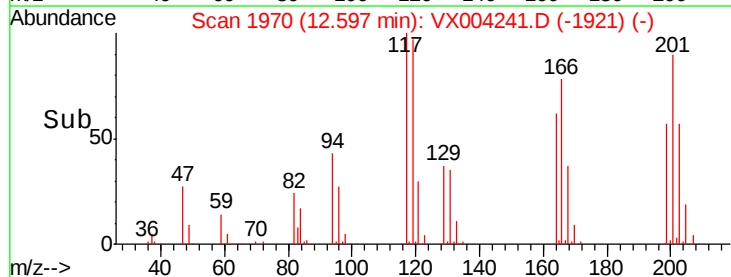
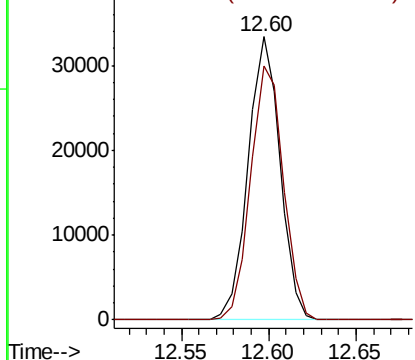


#90
Hexachloroethane
Concen: 21.83 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 117 Resp: 42426
Ion Ratio Lower Upper
117 100
201 91.9 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.98 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

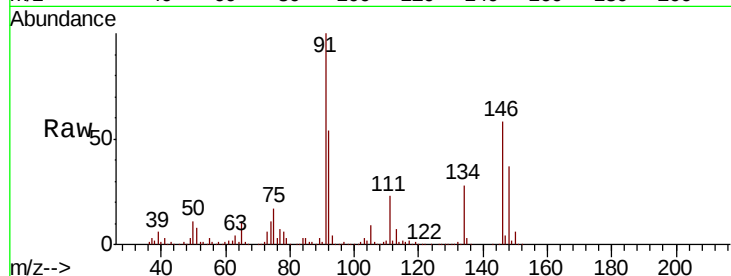
Tot Ion:146 Resp: 158803

Ion Ratio Lower Upper

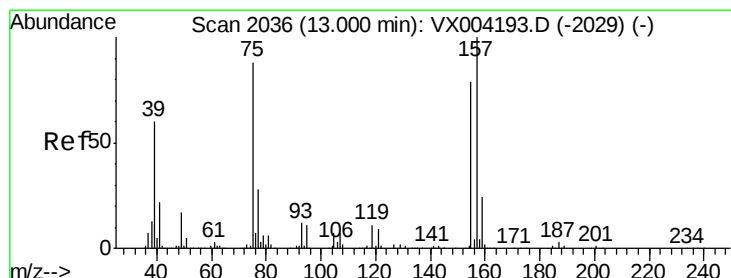
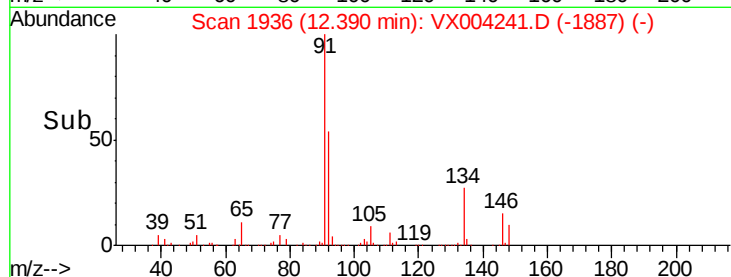
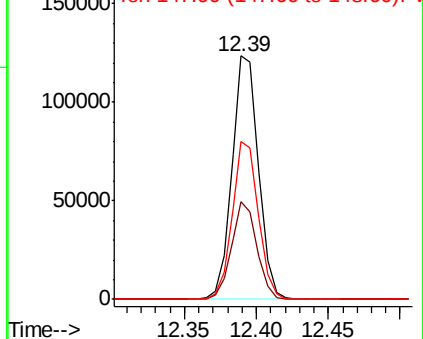
146 100

111 38.8 19.4 58.1

148 64.2 32.8 98.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.84 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

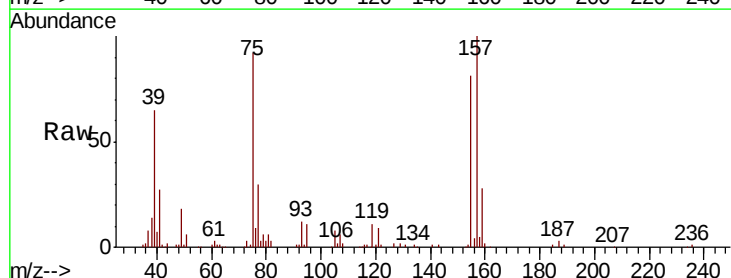
Tgt Ion: 75 Resp: 20144

Ion Ratio Lower Upper

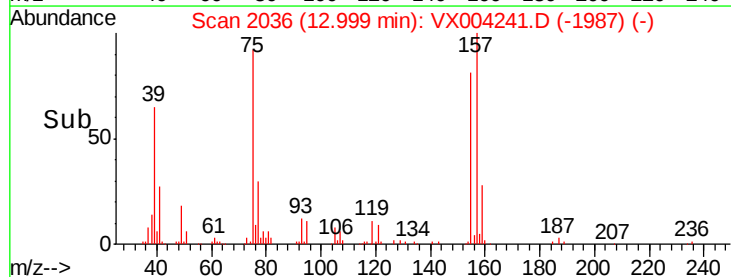
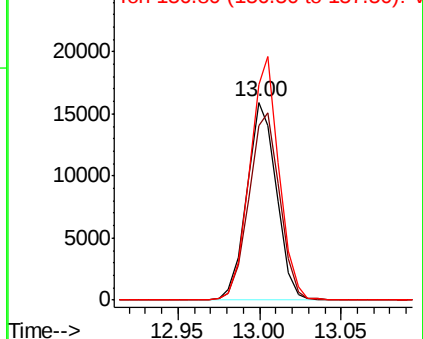
75 100

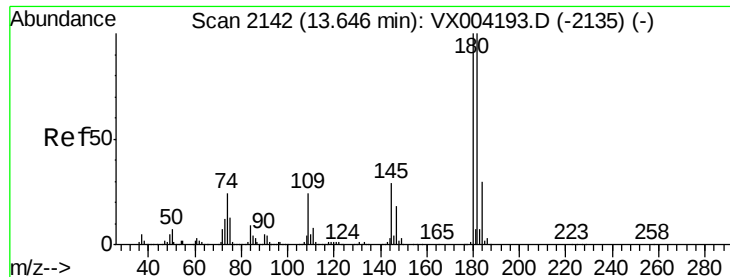
155 98.4 48.0 144.2

157 121.7 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

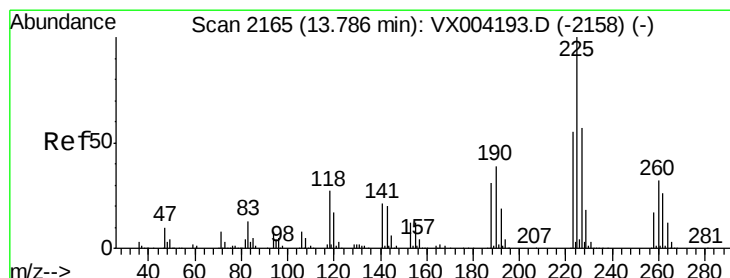
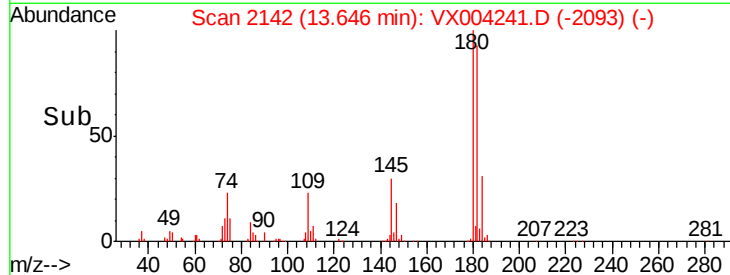
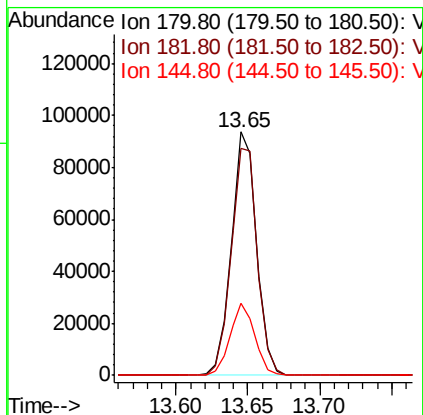
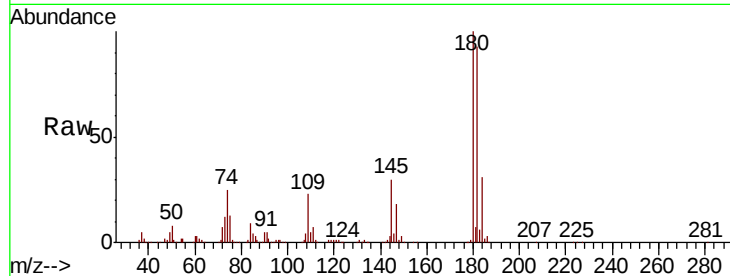




#93
 1,2,4-Trichlorobenzene
 Concen: 20.87 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

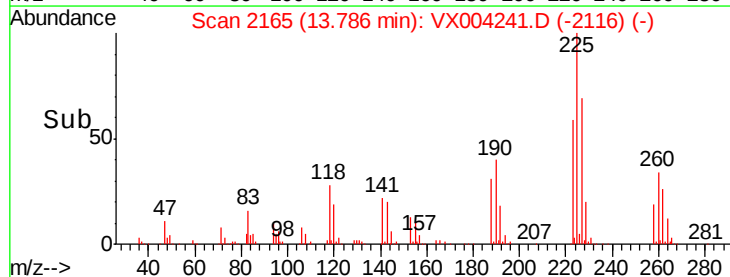
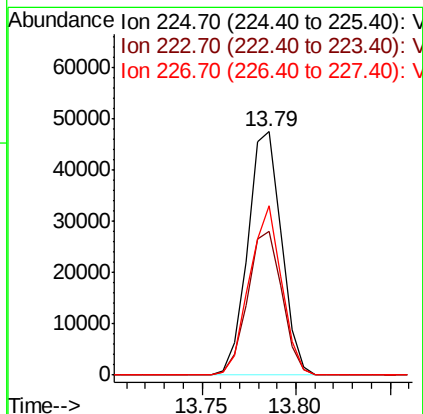
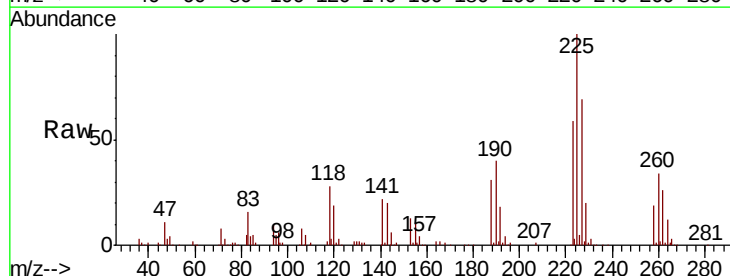
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

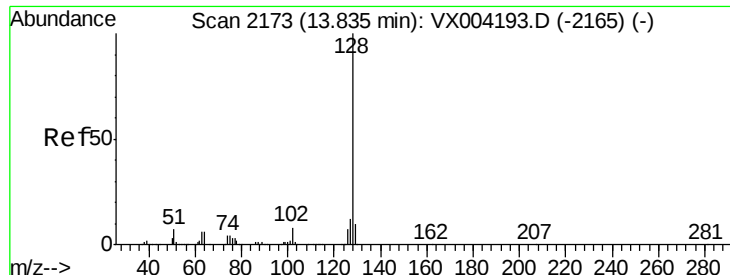
Tot Ion:180 Resp: 114968
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.4 145.0
 145 29.0 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 22.98 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion:225 Resp: 59063
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.1 90.5
 227 66.1 30.8 92.4





#95

Naphthalene

Concen: 23.35 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

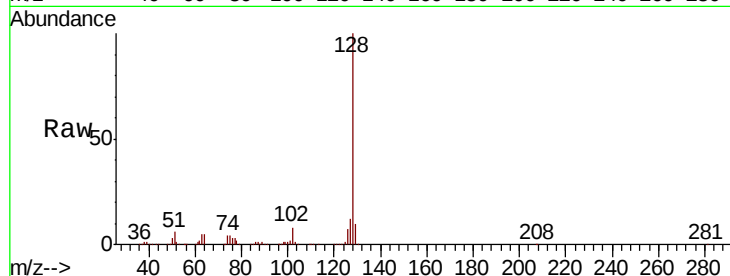
Tot Ion:128 Resp: 363720

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 10.2 8.6 12.8

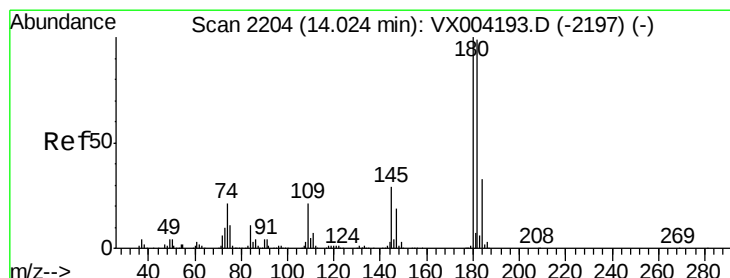
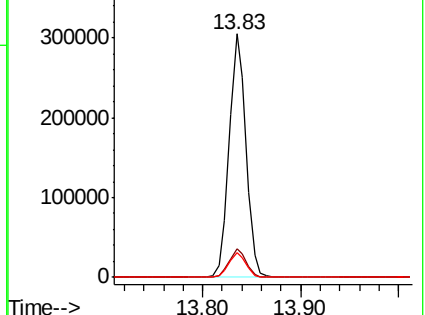
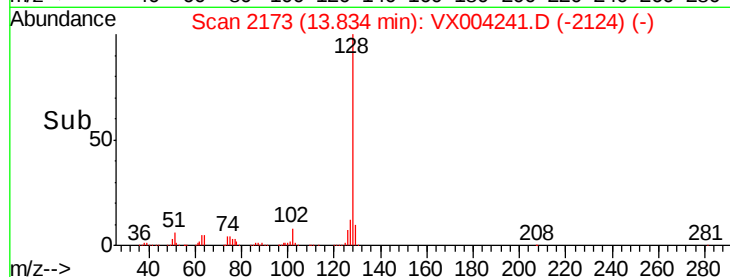


Abundance

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: 22.58 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

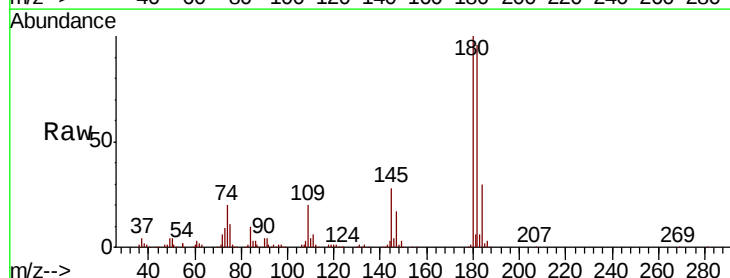
Tgt Ion:180 Resp: 131661

Ion Ratio Lower Upper

180 100

182 93.2 48.5 145.6

145 29.1 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

