

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004174.D
 Acq On : 21 Aug 2018 14:31
 Operator : JC/MD
 Sample : VX0821WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Quant Time: Aug 22 00:54:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	304291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	439006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	207064	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	172553	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	8.71	98	664792	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.14	95	230358	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52302	17.66	ug/l	95
3) Chloromethane	1.32	50	67468	18.56	ug/l	99
4) Vinyl Chloride	1.40	62	71487	18.18	ug/l	99
5) Bromomethane	1.64	94	40730	20.33	ug/l	97
6) Chloroethane	1.72	64	50474	18.39	ug/l	96
7) Trichlorofluoromethane	1.93	101	100174	18.16	ug/l	95
8) Diethyl Ether	2.18	74	44455	18.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62382	18.12	ug/l	99
10) Methyl Iodide	2.51	142	57524	19.09	ug/l	99
11) Tert butyl alcohol	3.07	59	82133	95.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57410	17.93	ug/l	96
13) Acrolein	2.29	56	55855	102.13	ug/l	100
14) Allyl chloride	2.73	41	113140	18.58	ug/l	98
15) Acrylonitrile	3.15	53	205082	95.27	ug/l	99
16) Acetone	2.45	43	206227	92.52	ug/l	99
17) Carbon Disulfide	2.57	76	149081	16.42	ug/l	97
18) Methyl Acetate	2.78	43	105395	21.28	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	209132	18.54	ug/l	100
20) Methylene Chloride	2.86	84	71018	19.12	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	64694	17.80	ug/l	96
22) Diisopropyl ether	3.87	45	220145	18.44	ug/l	98
23) Vinyl Acetate	3.82	43	929304	94.80	ug/l	98
24) 1,1-Dichloroethane	3.69	63	126355	18.69	ug/l	100
25) 2-Butanone	4.70	43	343370	94.67	ug/l	99
26) 2,2-Dichloropropane	4.58	77	96977	18.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	79953	19.56	ug/l	96
28) Bromochloromethane	5.02	49	60282	19.44	ug/l	99
29) Tetrahydrofuran	5.16	42	167888	90.60	ug/l	99
30) Chloroform	5.21	83	127336	19.30	ug/l	98
31) Cyclohexane	5.57	56	105807	17.85	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	106086	19.24	ug/l	99
36) 1,1-Dichloropropene	5.79	75	95126	19.04	ug/l	99
37) Ethyl Acetate	4.86	43	100664	18.50	ug/l	99
38) Carbon Tetrachloride	5.78	117	89963	18.54	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103773	18.31	ug/l	97
40) Benzene	6.14	78	291265	19.42	ug/l	99
41) Methacrylonitrile	5.06	41	55856	18.33	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101034	19.24	ug/l	99
43) Isopropyl Acetate	6.46	43	150303	18.74	ug/l	100
44) Trichloroethene	7.21	130	77610	19.06	ug/l	92
45) 1,2-Dichloropropane	7.52	63	75312	19.61	ug/l	99
46) Dibromomethane	7.66	93	48244	19.22	ug/l	100
47) Bromodichloromethane	7.90	83	90712	19.09	ug/l	99
48) Methyl methacrylate	7.77	41	78616	19.48	ug/l	99
49) 1,4-Dioxane	7.76	88	36062	396.81	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	653246	99.35	ug/l	99
52) Toluene	8.79	92	185129	19.51	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	99249	19.33	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	110257	19.39	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	75664	19.31	ug/l	99
56) Ethyl methacrylate	9.18	69	104892	19.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	126886	19.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	270960	99.88	ug/l	99
59) 2-Hexanone	9.50	43	490307	99.09	ug/l	99
60) Dibromochloromethane	9.59	129	72512	19.23	ug/l	98
61) 1,2-Dibromoethane	9.67	107	77465	19.40	ug/l	99
64) Tetrachloroethene	9.34	164	71422	17.99	ug/l	95
65) Chlorobenzene	10.14	112	207237	19.15	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	72723	19.70	ug/l	99
67) Ethyl Benzene	10.25	91	339359	19.80	ug/l	97
68) m/p-Xylenes	10.36	106	255376	38.05	ug/l	100
69) o-Xylene	10.70	106	116171	18.11	ug/l	96
70) Styrene	10.71	104	201063	18.63	ug/l	98
71) Bromoform	10.86	173	49169	16.80	ug/l #	100
73) Isopropylbenzene	11.02	105	316937	19.04	ug/l	96
74) N-amyl acetate	6.46	43	150303	19.19	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109080	18.76	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	120655	24.46	ug/l	83
77) Bromobenzene	11.26	156	88948	19.38	ug/l	97
78) n-propylbenzene	11.36	91	354354	19.02	ug/l	99
79) 2-Chlorotoluene	11.42	91	224462	19.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	262193	19.23	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	27333	17.15	ug/l	93
82) 4-Chlorotoluene	11.51	91	251858	18.77	ug/l	100
83) tert-Butylbenzene	11.77	119	274339	19.96	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	287733	20.38	ug/l	98
85) sec-Butylbenzene	11.94	105	303703	18.88	ug/l	99
86) p-Isopropyltoluene	12.07	119	290653	19.96	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	158910	18.16	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	164347	18.24	ug/l	97
89) n-Butylbenzene	12.39	91	229795	20.02	ug/l	99
90) Hexachloroethane	12.60	117	38803	17.81	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	156417	19.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19503	19.09	ug/l	99

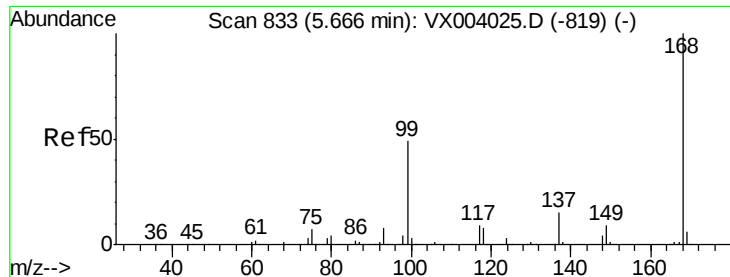
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103931	19.26	ug/l	98
94) Hexachlorobutadiene	13.79	225	52465	19.40	ug/l	98
95) Naphthalene	13.83	128	323403	19.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	119475	20.31	ug/l	98

(#) = 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. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

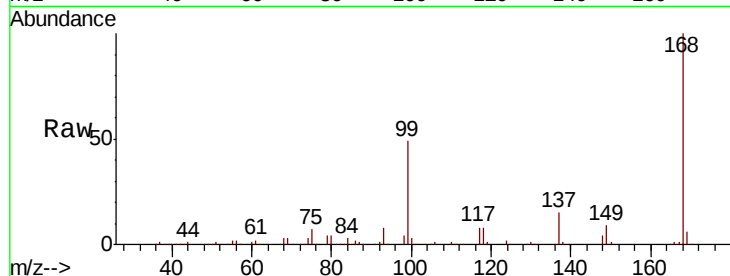
VX0821WBSD01

Tot Ion:168 Resp: 304291

Ion Ratio Lower Upper

168 100

99 48.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

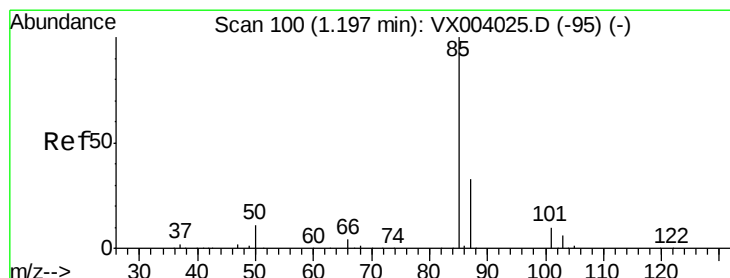
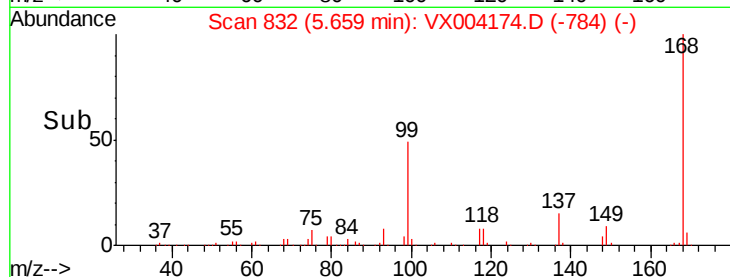
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.66 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004174.D

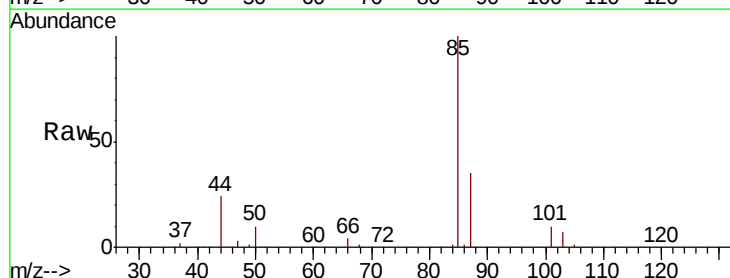
Acq: 21 Aug 2018 14:31

Tgt Ion: 85 Resp: 52302

Ion Ratio Lower Upper

85 100

87 35.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

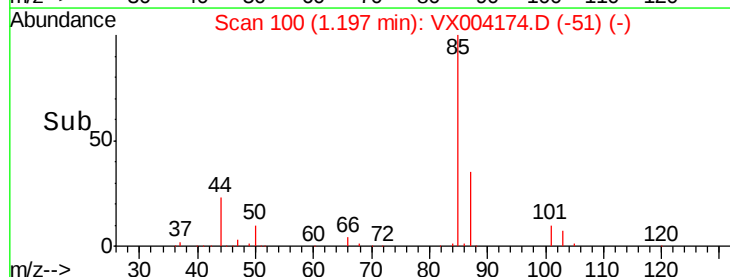
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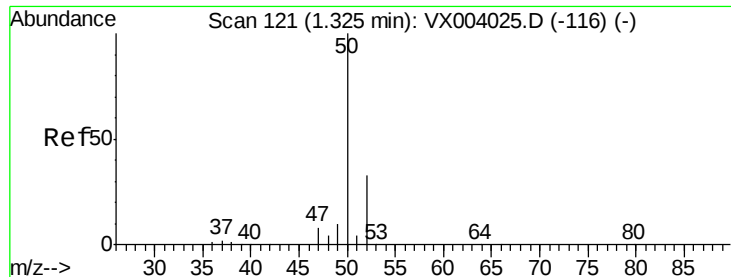
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

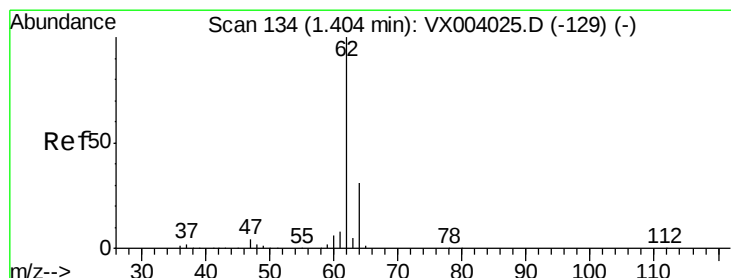
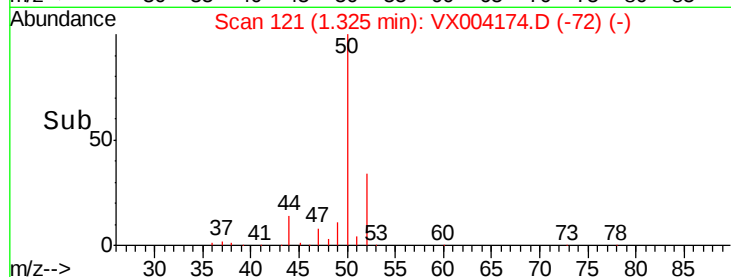
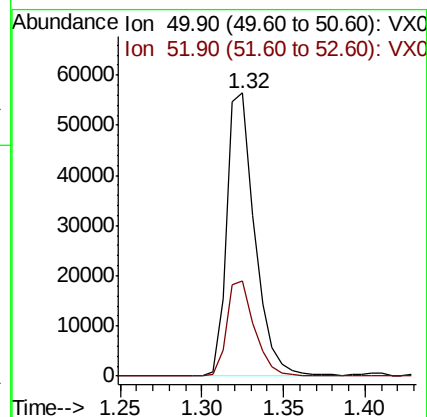
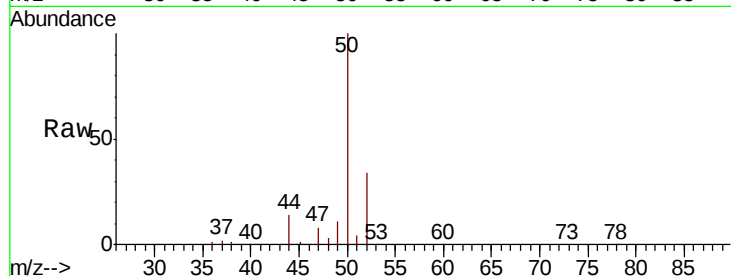
VX0821WBSD01

Tot Ion: 50 Resp: 67468

Ion Ratio Lower Upper

50 100

52 33.6 26.6 39.8



#4

Vinyl Chloride

Concen: 18.18 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004174.D

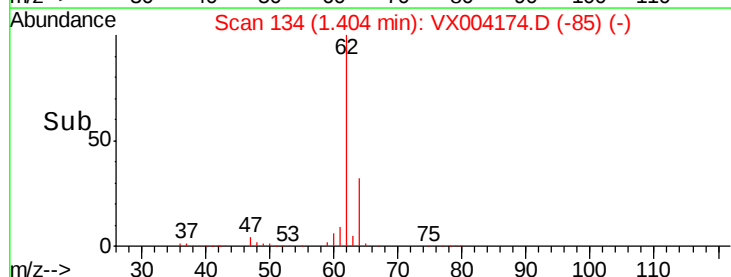
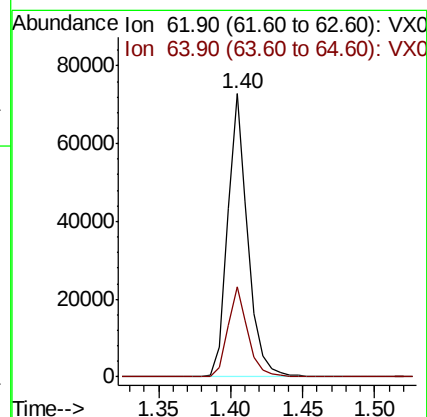
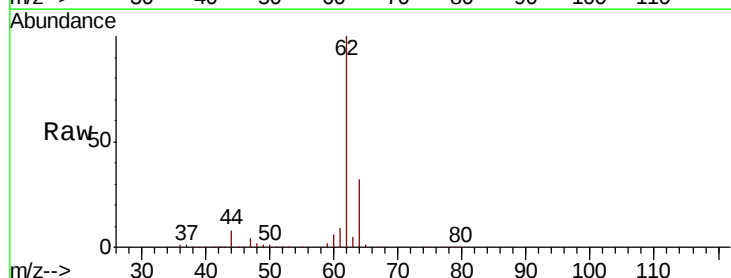
Acq: 21 Aug 2018 14:31

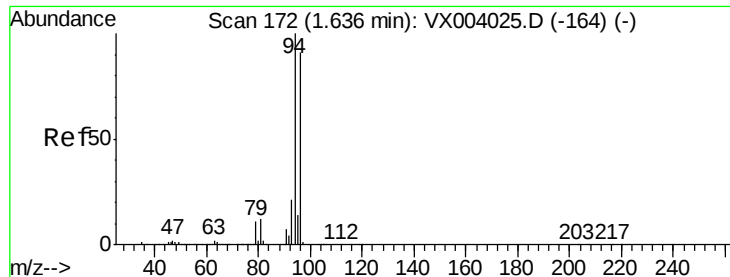
Tgt Ion: 62 Resp: 71487

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 20.33 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

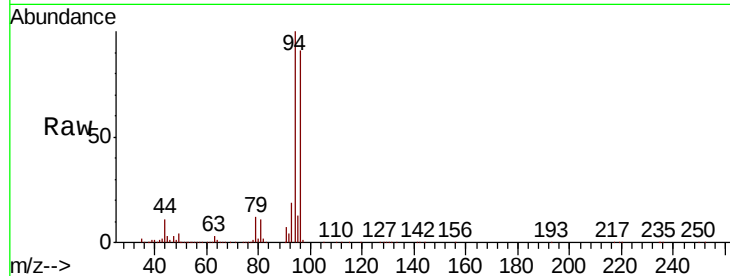
VX0821WBSD01

Tot Ion: 94 Resp: 40730

Ion Ratio Lower Upper

94 100

96 91.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

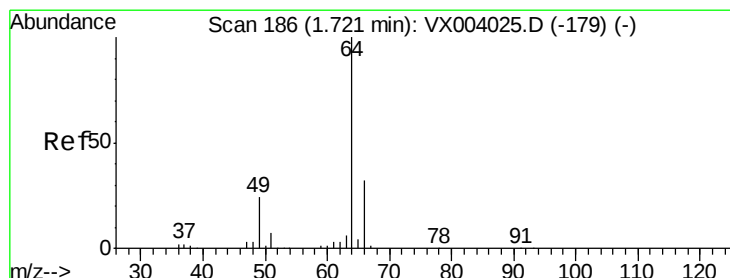
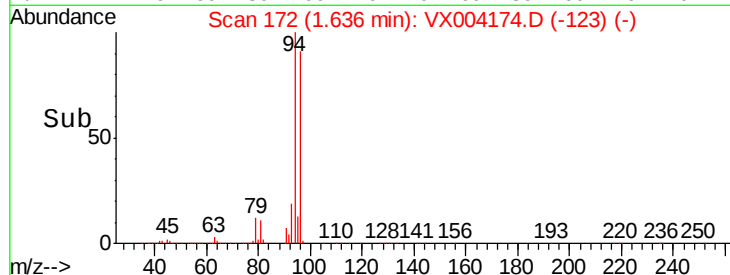
20000

10000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 18.39 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004174.D

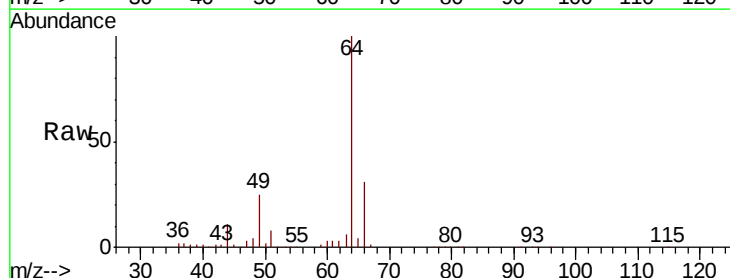
Acq: 21 Aug 2018 14:31

Tgt Ion: 64 Resp: 50474

Ion Ratio Lower Upper

64 100

66 31.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

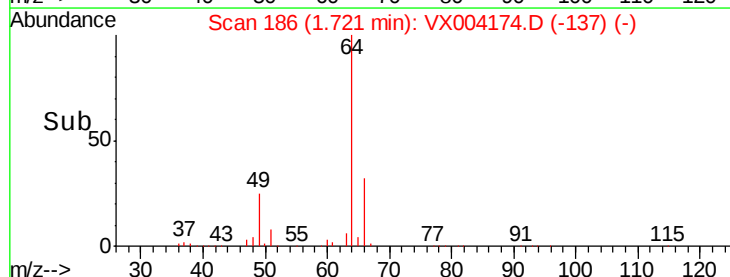
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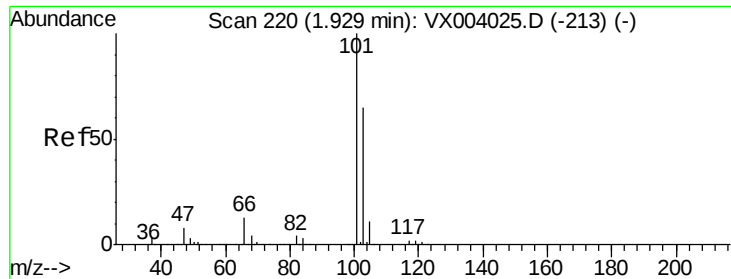
10000

0

Time-->

1.65 1.70 1.75 1.80



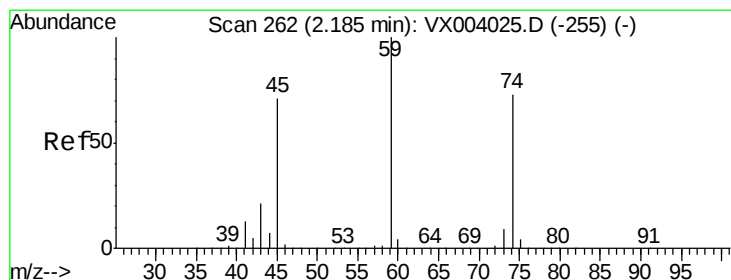
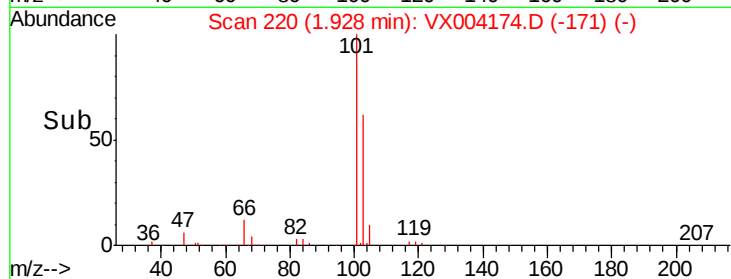
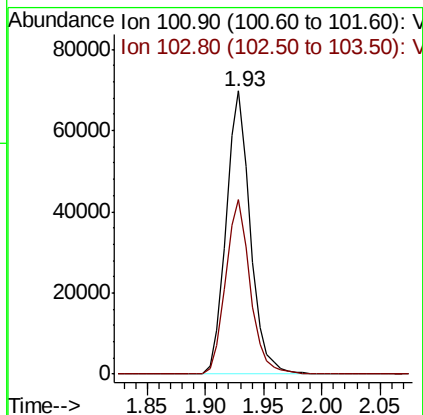
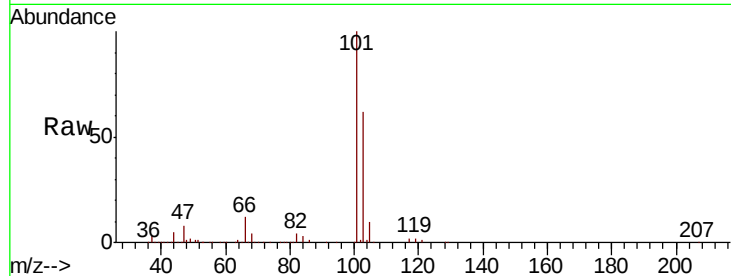


#7

Trichlorofluoromethane
 Concen: 18.16 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
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 VX0821WBSD01

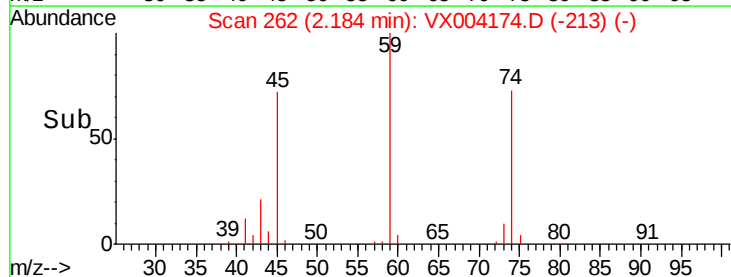
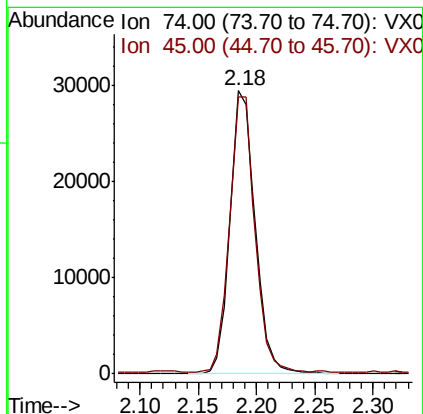
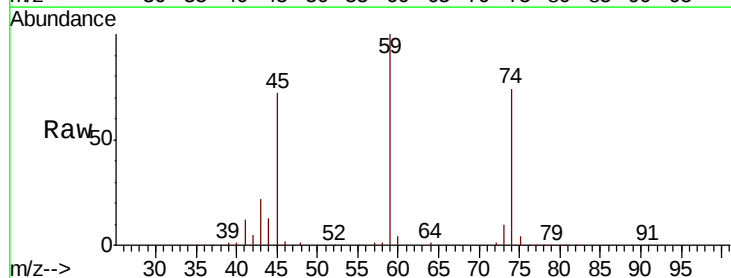
Tot Ion:101 Resp: 100174
 Ion Ratio Lower Upper
 101 100
 103 61.6 52.3 78.5

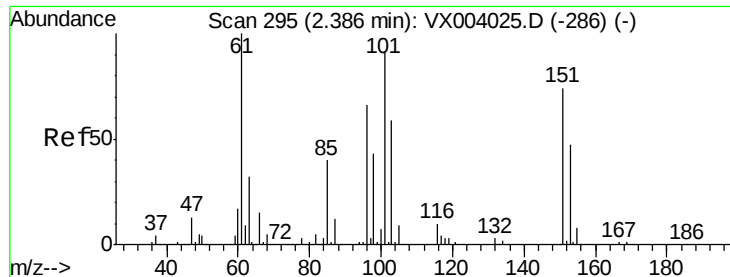


#8

Diethyl Ether
 Concen: 18.46 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 74 Resp: 44455
 Ion Ratio Lower Upper
 74 100
 45 97.4 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.12 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

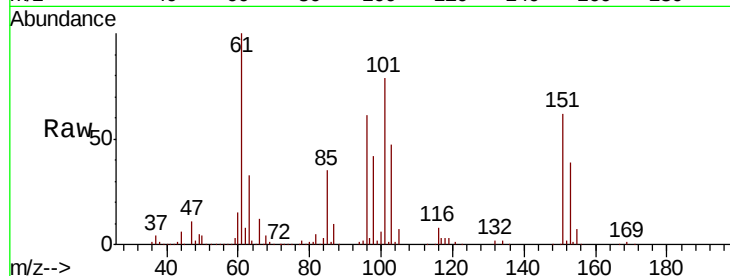
Tot Ion:101 Resp: 62382

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

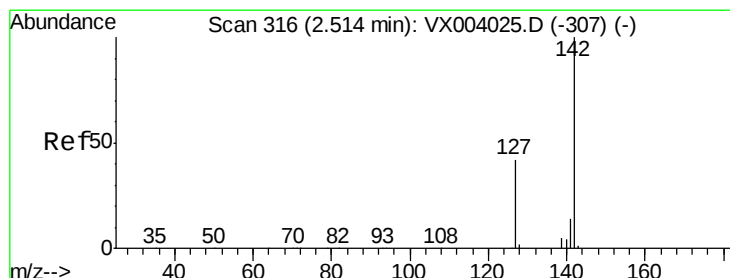
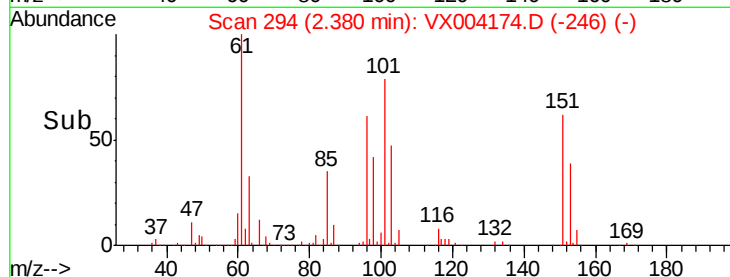
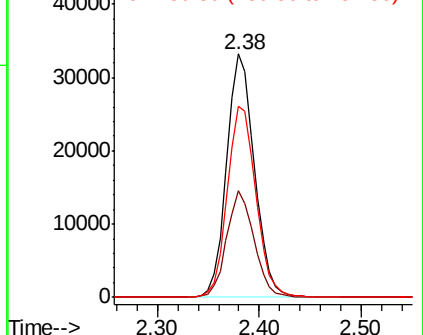
151 80.7 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.09 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

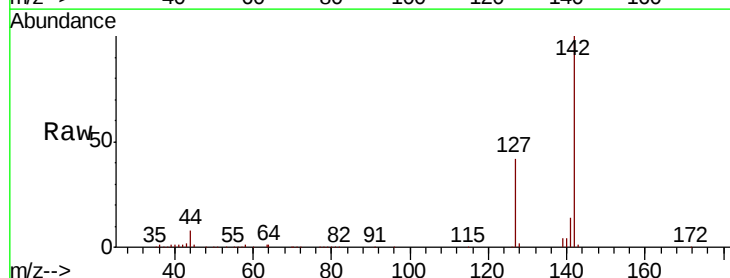
Tgt Ion:142 Resp: 57524

Ion Ratio Lower Upper

142 100

127 41.9 33.1 49.7

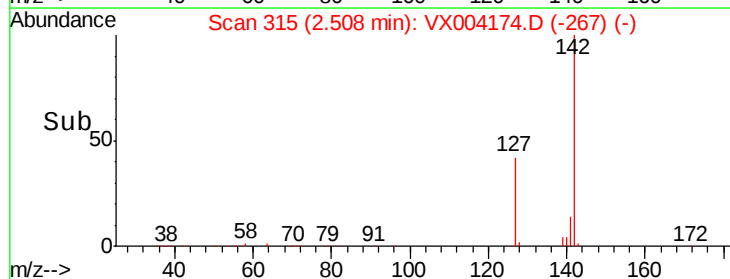
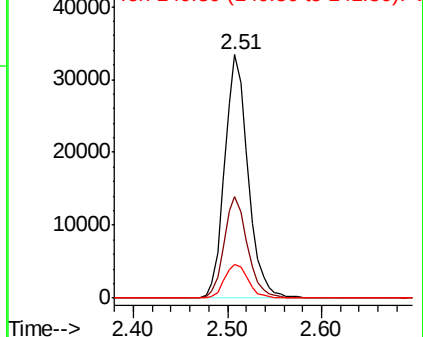
141 14.2 11.1 16.7

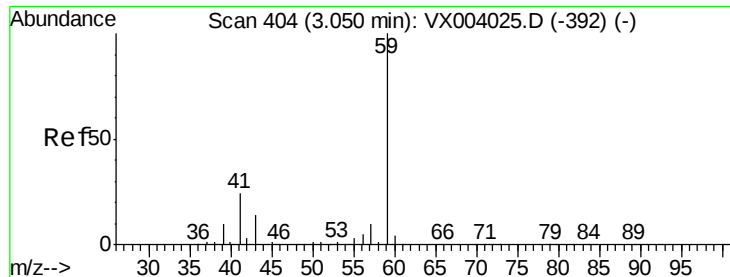


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



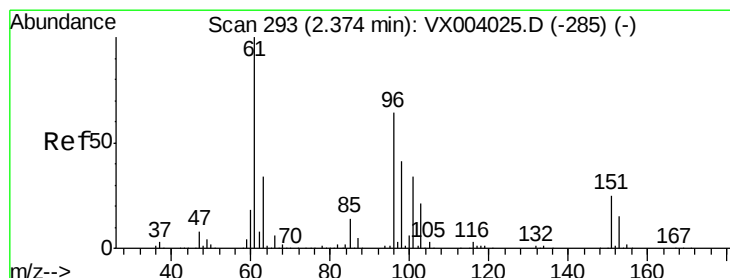
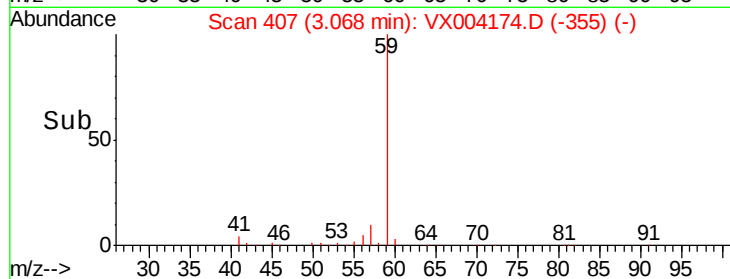
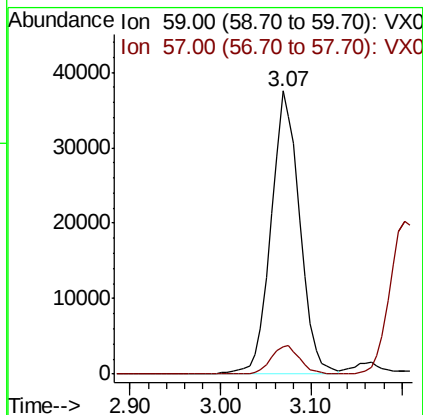
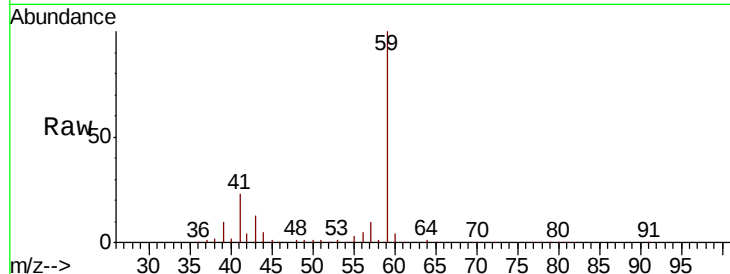


#11

Tert butvl alcohol
 Concen: 95.13 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. 0.02 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

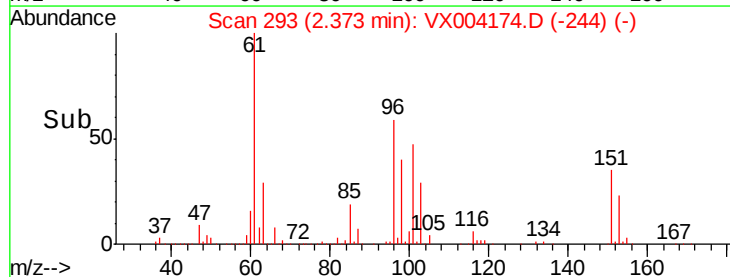
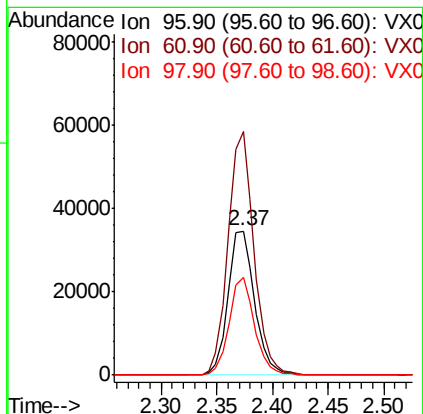
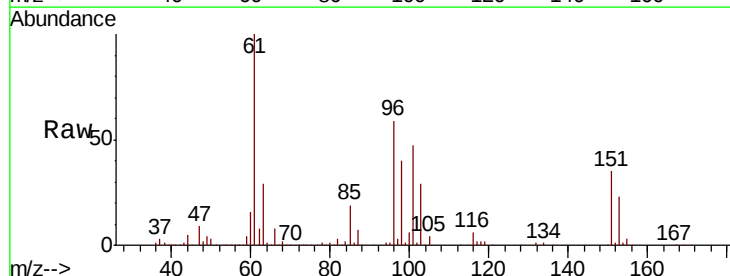
Tot Ion: 59 Resp: 82133
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

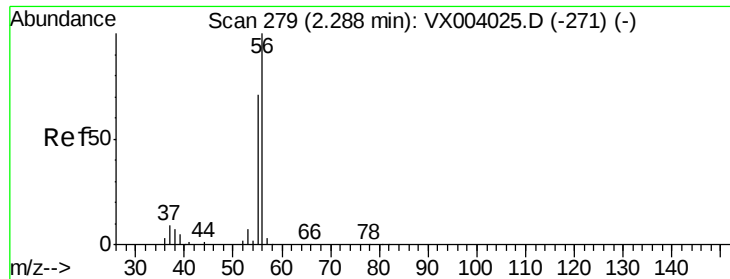


#12

1,1-Dichloroethene
 Concen: 17.93 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 96 Resp: 57410
 Ion Ratio Lower Upper
 96 100
 61 169.2 131.3 196.9
 98 68.1 51.8 77.6





#13

Acrolein

Concen: 102.13 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

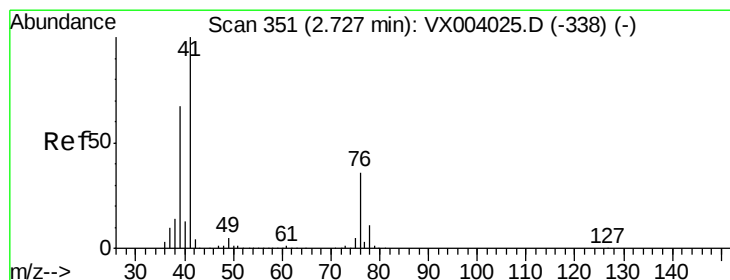
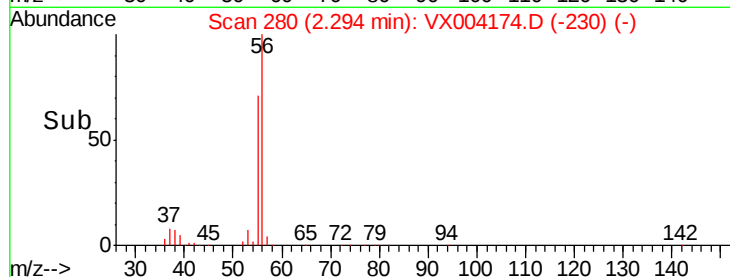
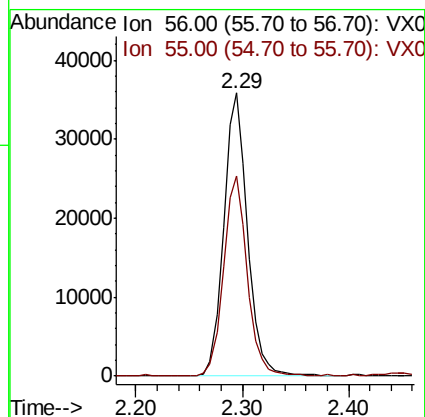
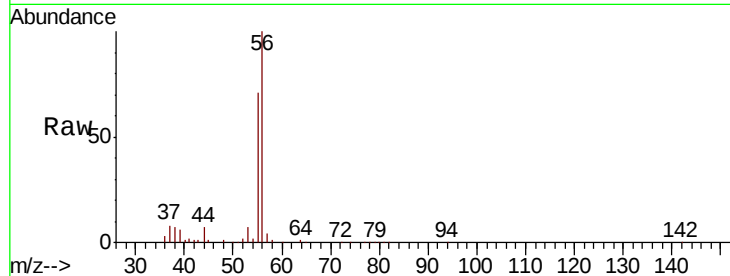
VX0821WBSD01

Tot Ion: 56 Resp: 55855

Ion Ratio Lower Upper

56 100

55 69.8 56.1 84.1



#14

Allyl chloride

Concen: 18.58 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

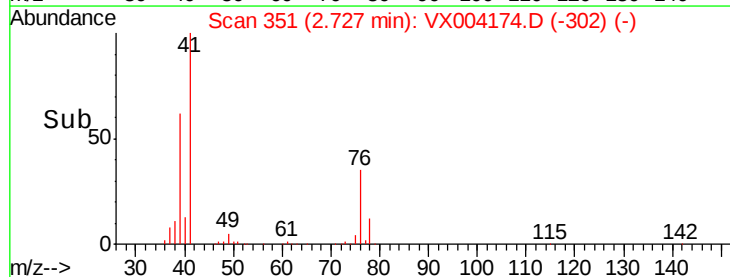
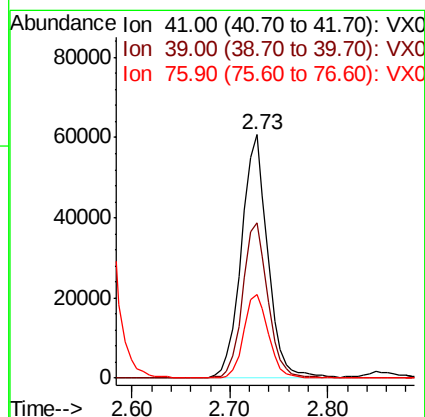
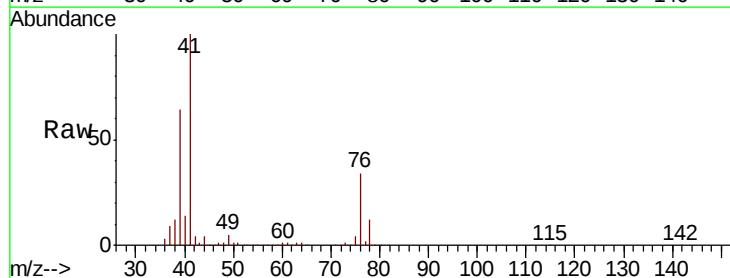
Tgt Ion: 41 Resp: 113140

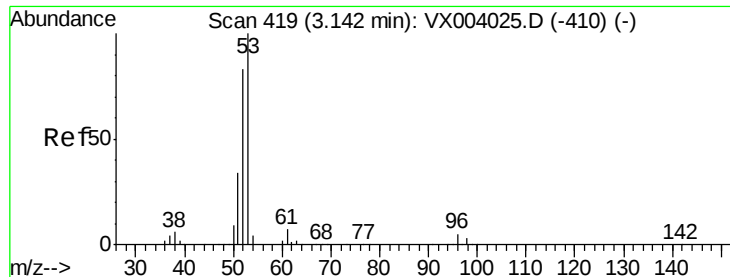
Ion Ratio Lower Upper

41 100

39 60.7 47.4 71.0

76 32.1 26.0 39.0





#15

Acrylonitrile

Concen: 95.27 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleID :

VX0821WBSD01

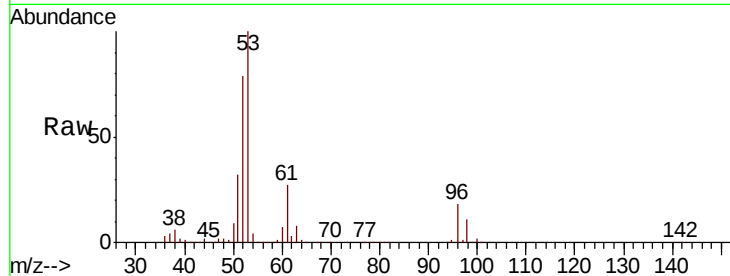
Tot Ion: 53 Resp: 205082

Ion Ratio Lower Upper

53 100

52 80.8 65.3 97.9

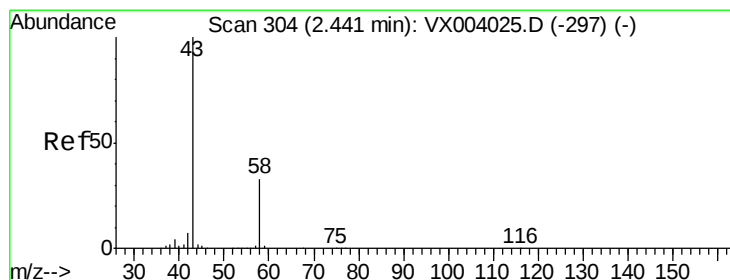
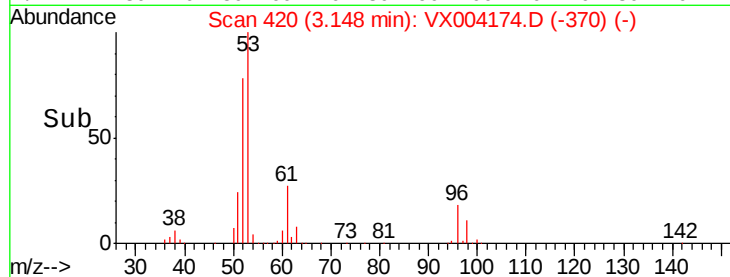
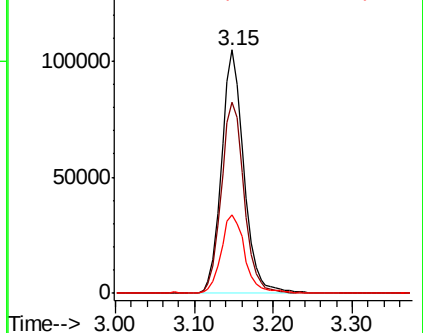
51 34.4 27.9 41.9



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: 92.52 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004174.D

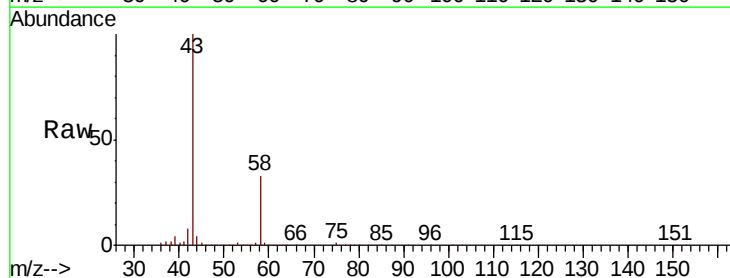
Acq: 21 Aug 2018 14:31

Tgt Ion: 43 Resp: 206227

Ion Ratio Lower Upper

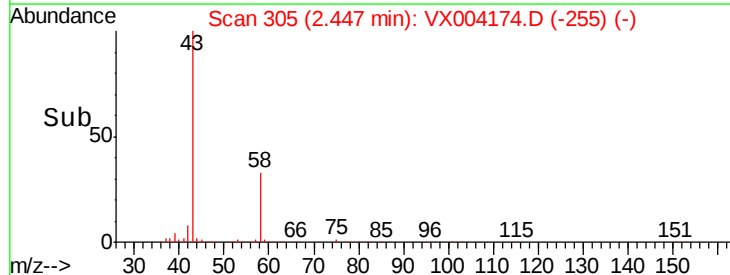
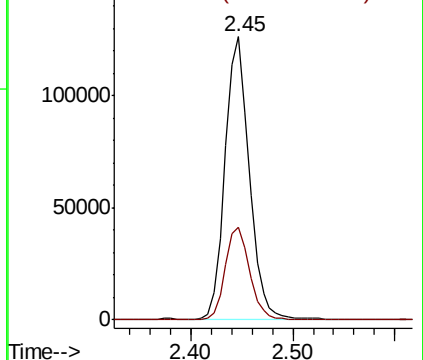
43 100

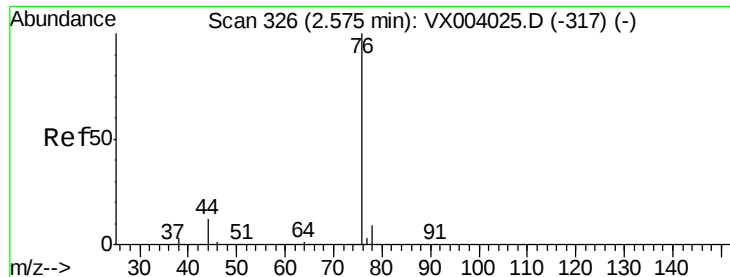
58 32.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

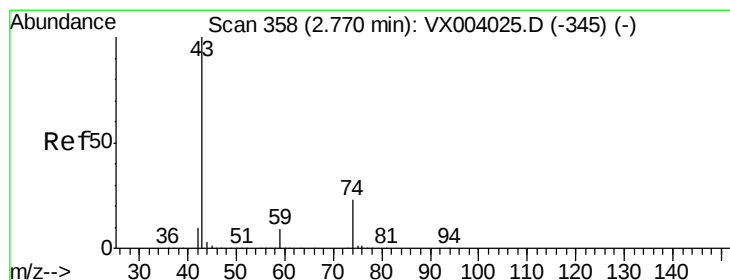
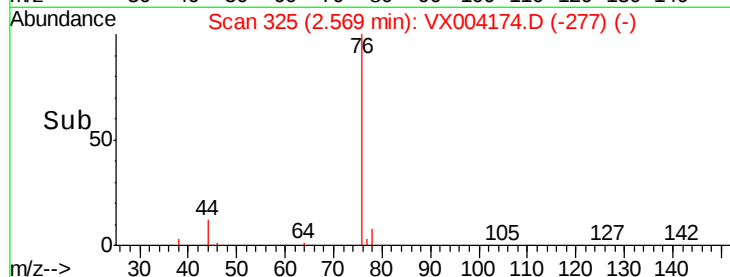
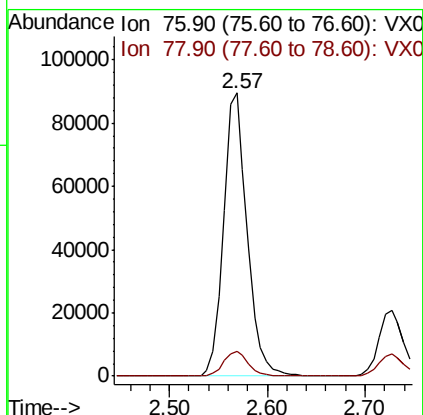
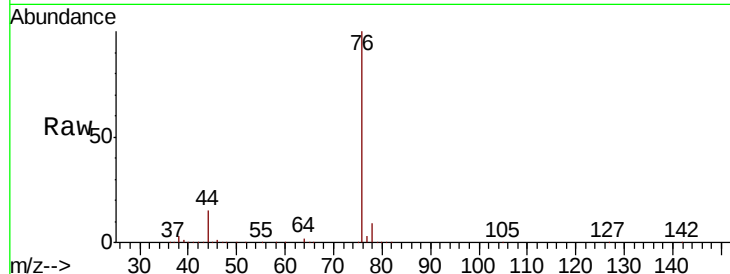




#17
Carbon Disulfide
Concen: 16.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

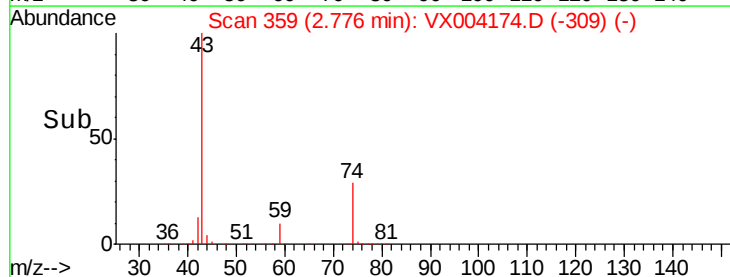
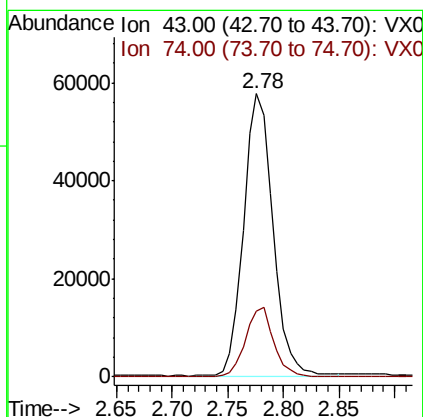
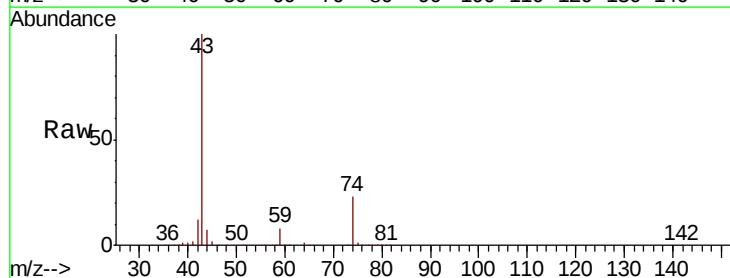
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

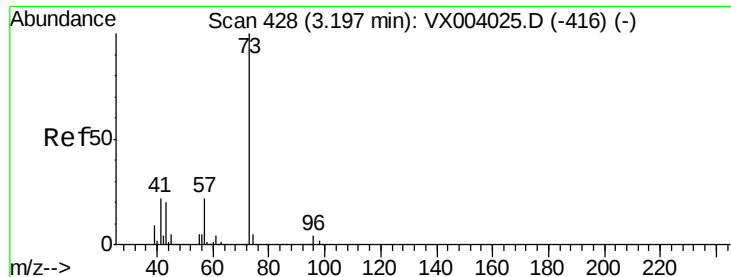
Tot Ion: 76 Resp: 149081
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3



#18
Methyl Acetate
Concen: 21.28 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 43 Resp: 105395
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3



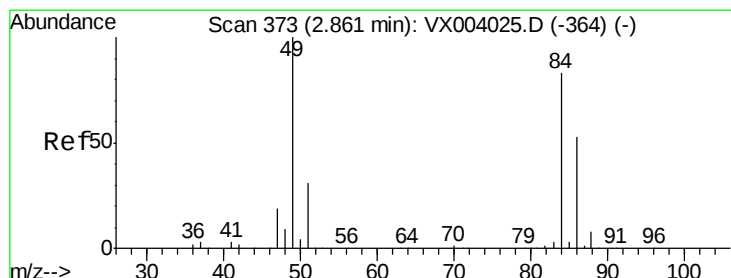
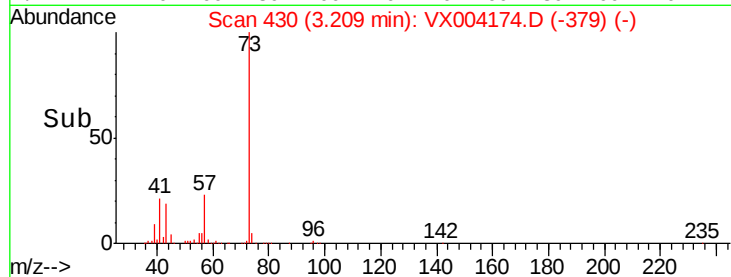
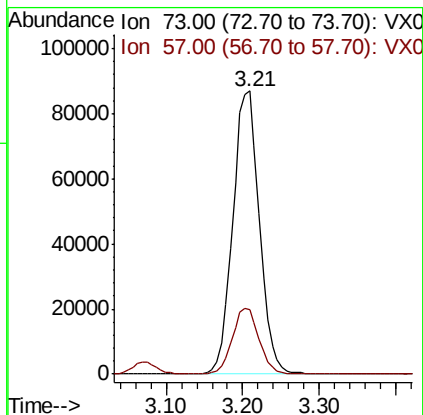
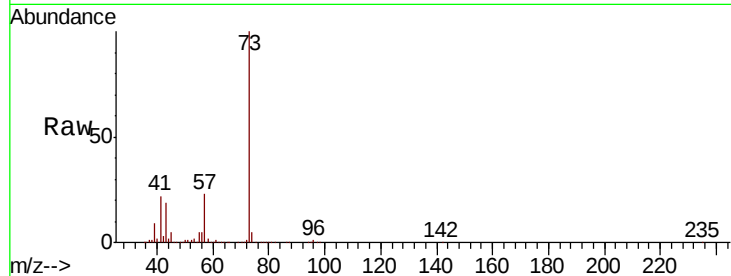


#19

Methyl tert-butyl Ether
 Concen: 18.54 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

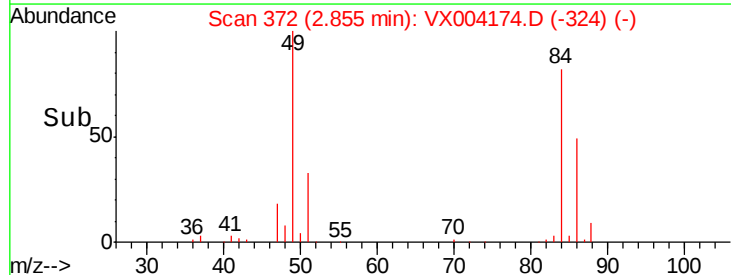
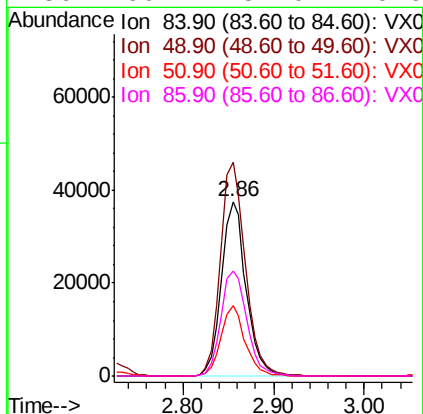
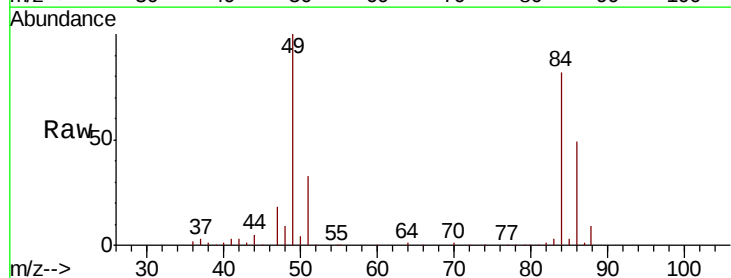
Tot Ion: 73 Resp: 209132
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.0 27.0

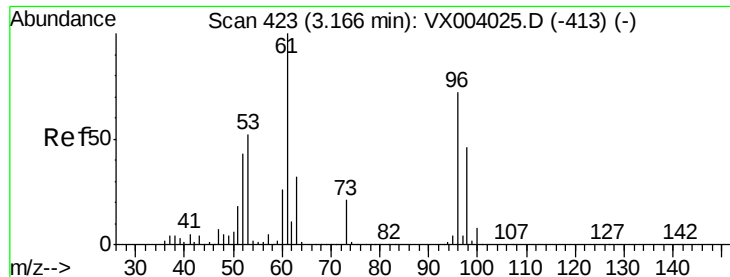


#20

Methylene Chloride
 Concen: 19.12 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 84 Resp: 71018
 Ion Ratio Lower Upper
 84 100
 49 122.6 98.9 148.3
 51 40.3 29.9 44.9
 86 60.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.80 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

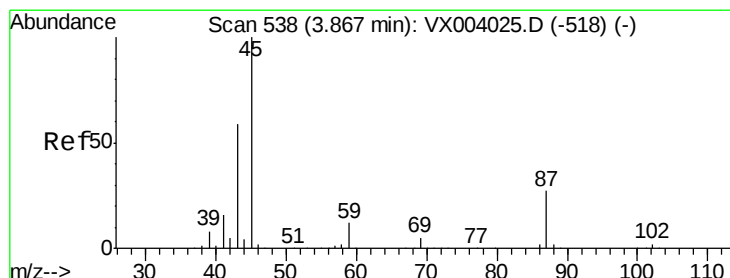
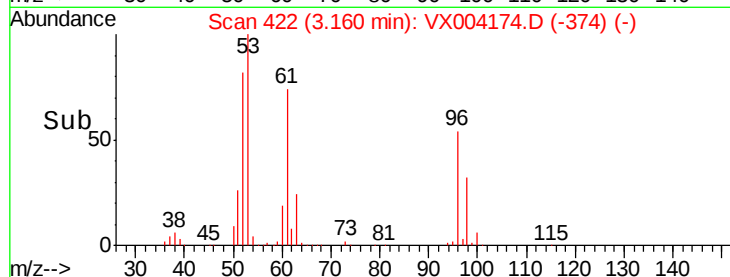
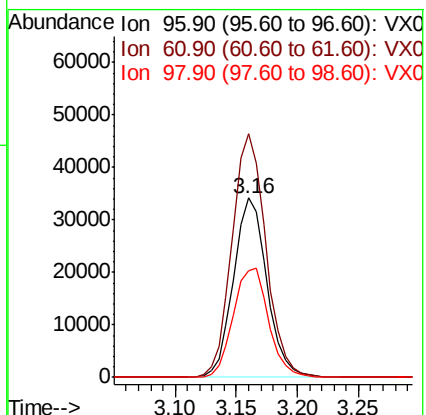
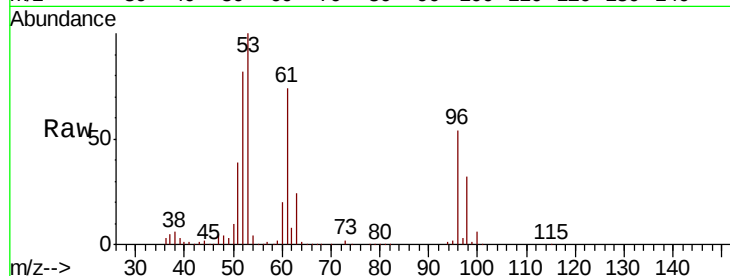
Tot Ion: 96 Resp: 64694

Ion Ratio Lower Upper

96 100

61 136.0 111.8 167.6

98 59.7 51.8 77.6



#22

Diisopropyl ether

Concen: 18.44 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion: 45 Resp: 220145

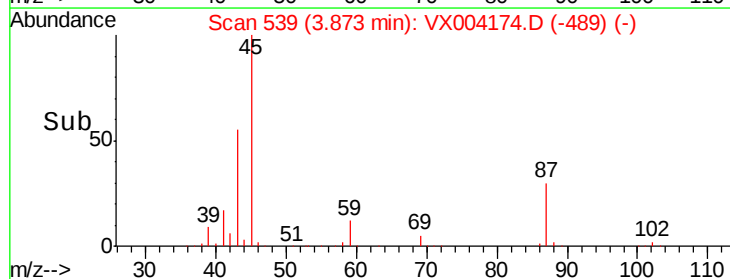
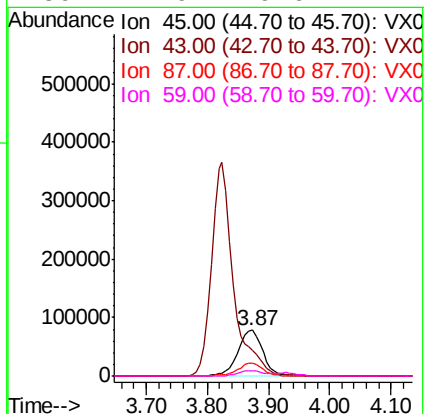
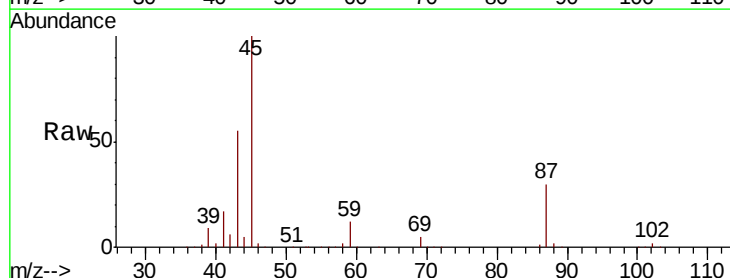
Ion Ratio Lower Upper

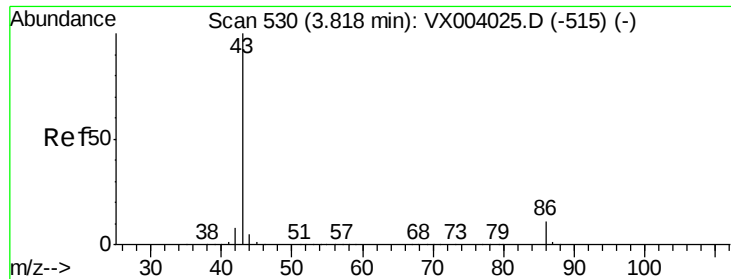
45 100

43 54.9 45.3 67.9

87 29.6 22.7 34.1

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 94.80 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

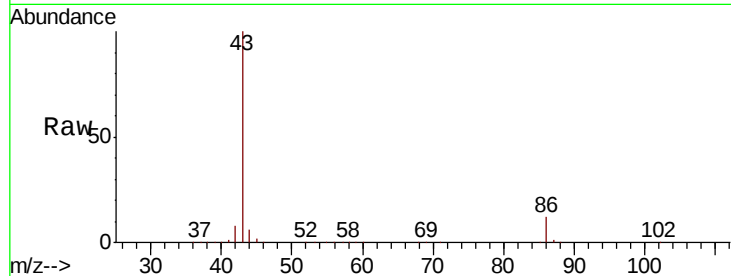
VX0821WBSD01

Tot Ion: 43 Resp: 929304

Ion Ratio Lower Upper

43 100

86 11.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

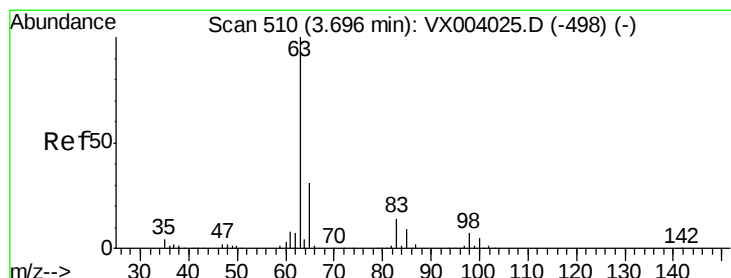
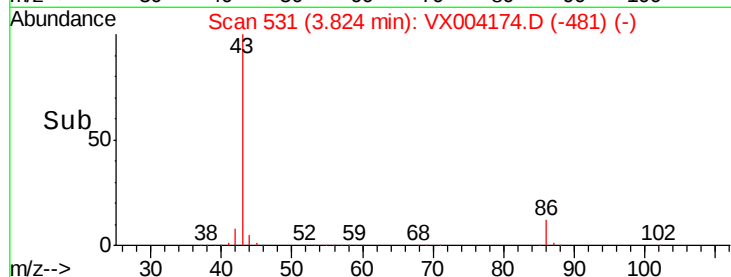
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 18.69 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

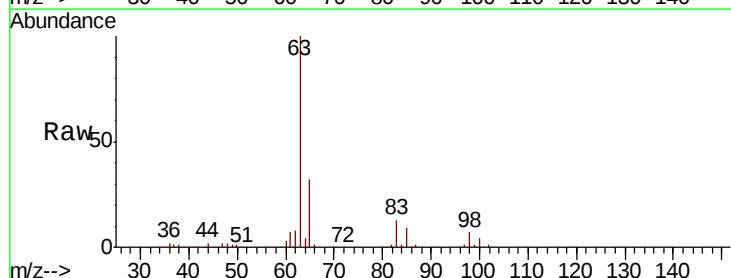
Tgt Ion: 63 Resp: 126355

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

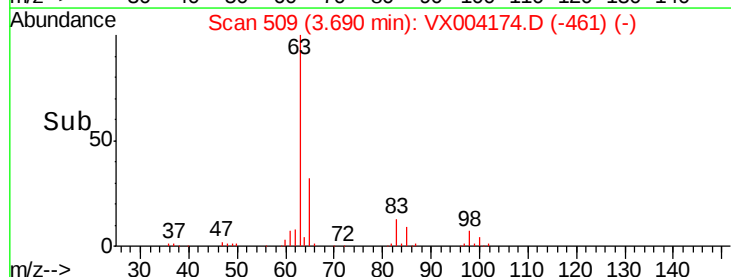
60000

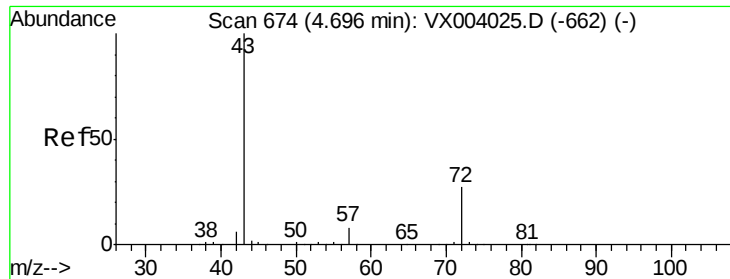
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 94.67 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

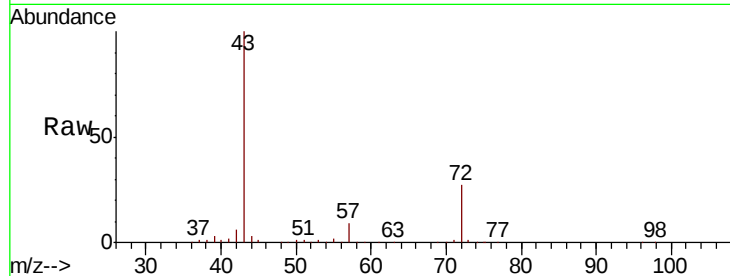
VX0821WBSD01

Tot Ion: 43 Resp: 343370

Ion Ratio Lower Upper

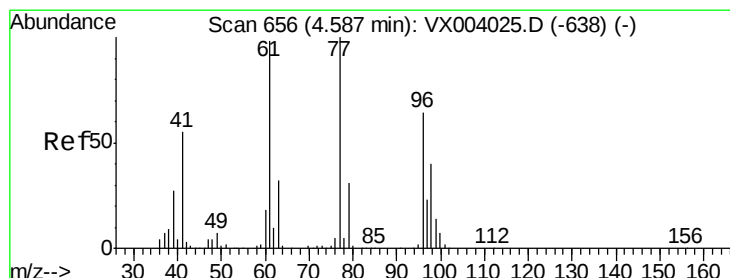
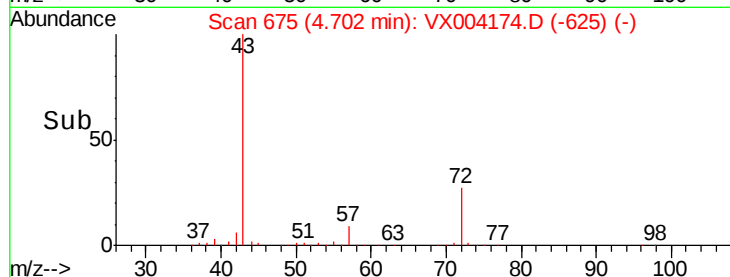
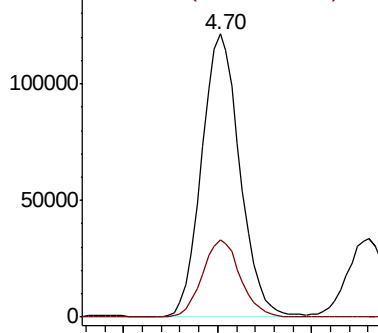
43 100

72 27.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.04 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004174.D

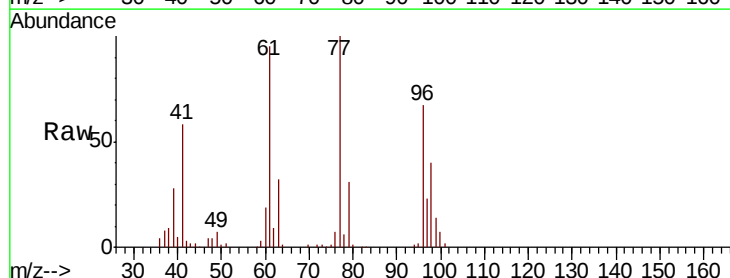
Acq: 21 Aug 2018 14:31

Tgt Ion: 77 Resp: 96977

Ion Ratio Lower Upper

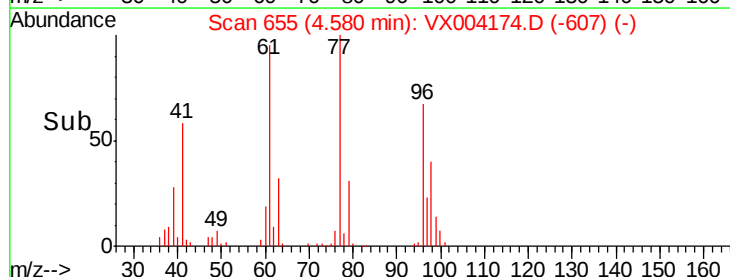
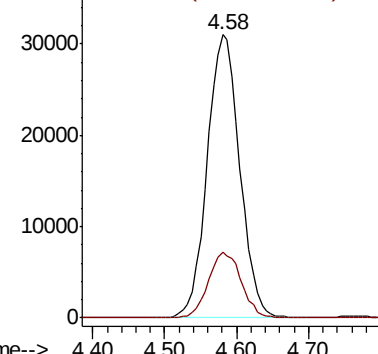
77 100

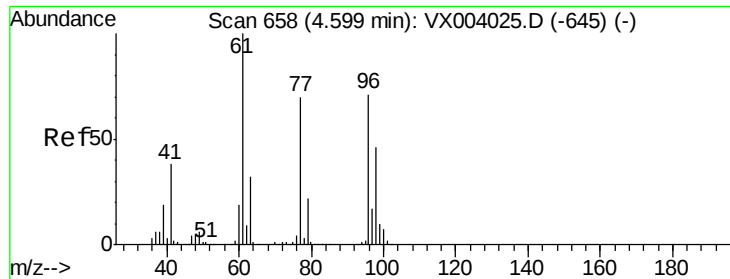
97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleID :

VX0821WBSD01

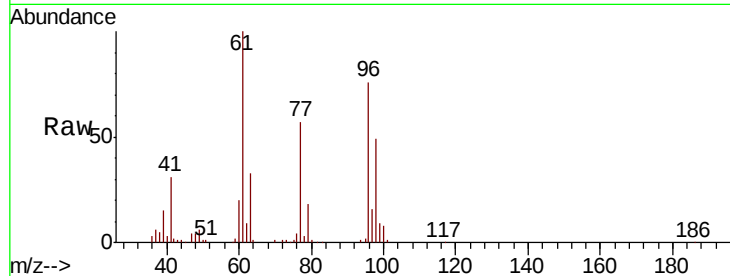
Tot Ion: 96 Resp: 79953

Ion Ratio Lower Upper

96 100

61 140.9 0.0 293.0

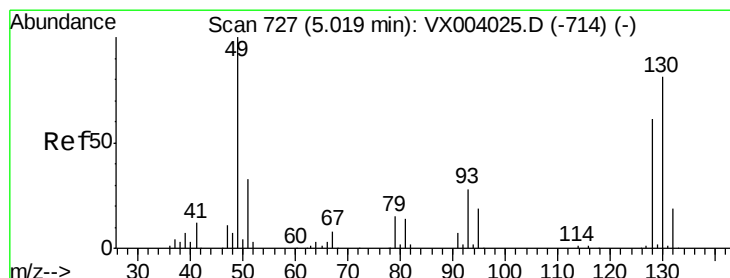
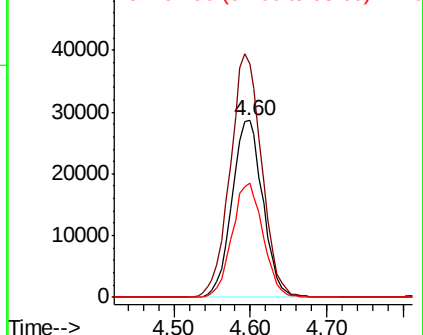
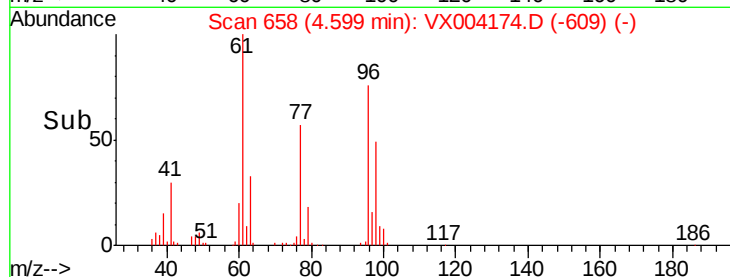
98 64.8 0.0 131.8



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



#28

Bromochloromethane

Concen: 19.44 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

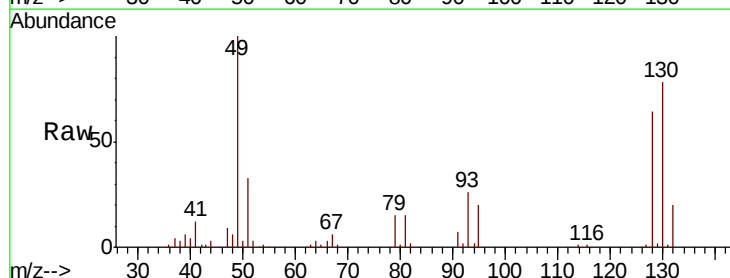
Tgt Ion: 49 Resp: 60282

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

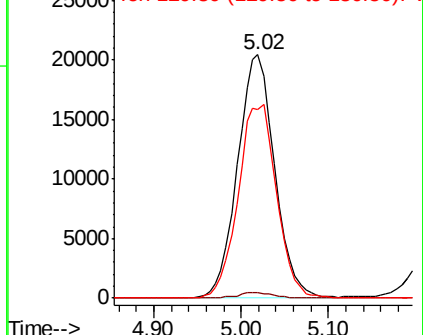
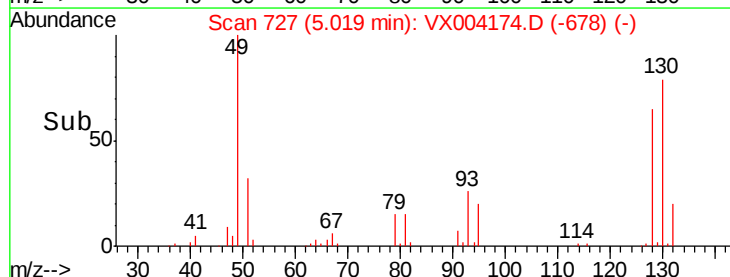
130 82.4 66.5 99.7

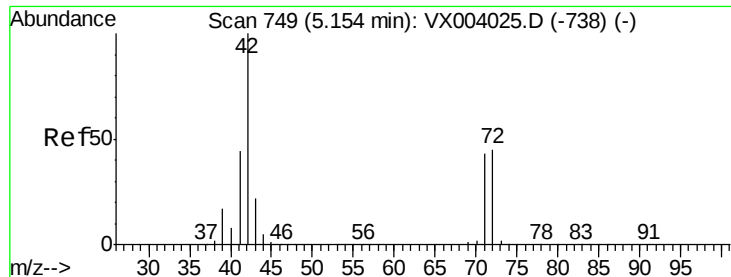


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 90.60 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

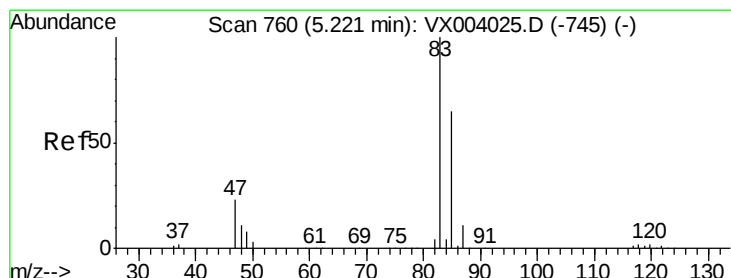
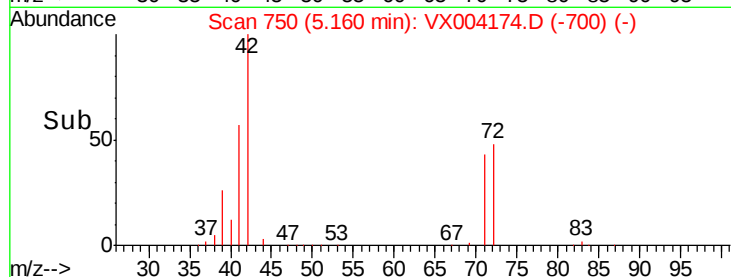
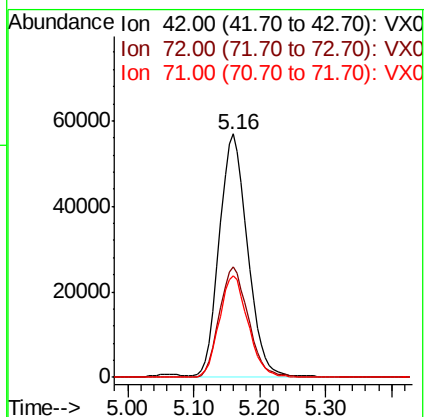
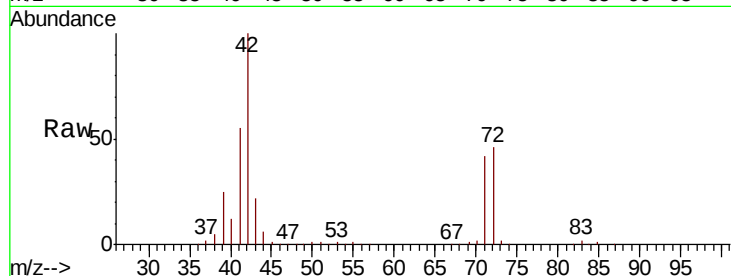
Tot Ion: 42 Resp: 167888

Ion Ratio Lower Upper

42 100

72 46.6 37.7 56.5

71 42.7 35.0 52.6



#30

Chloroform

Concen: 19.30 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004174.D

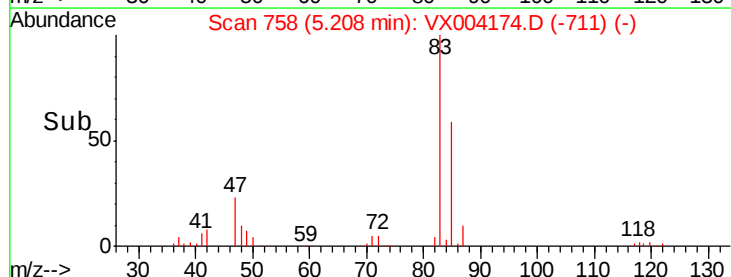
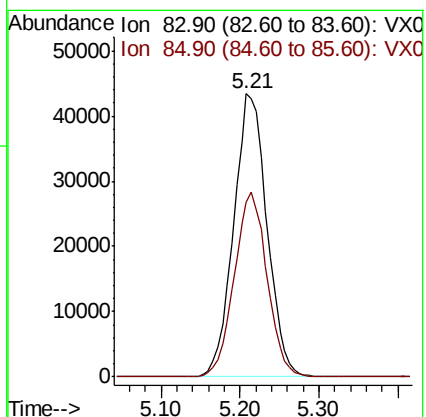
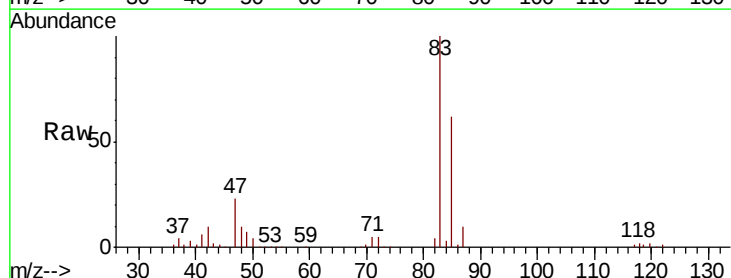
Acq: 21 Aug 2018 14:31

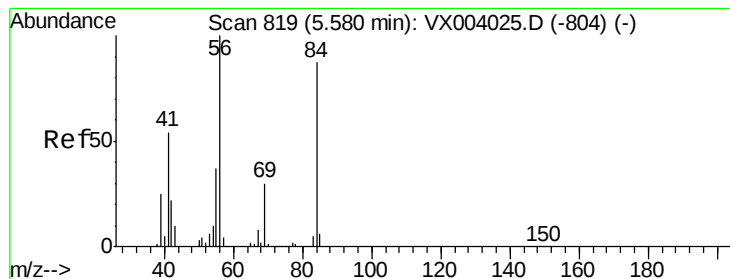
Tgt Ion: 83 Resp: 127336

Ion Ratio Lower Upper

83 100

85 61.8 50.7 76.1





#31

Cyclohexane

Concen: 17.85 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

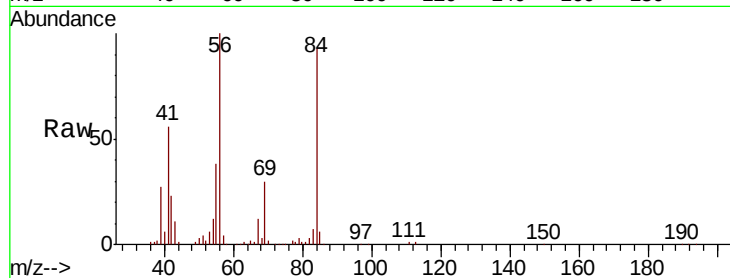
Tot Ion: 56 Resp: 105807

Ion Ratio Lower Upper

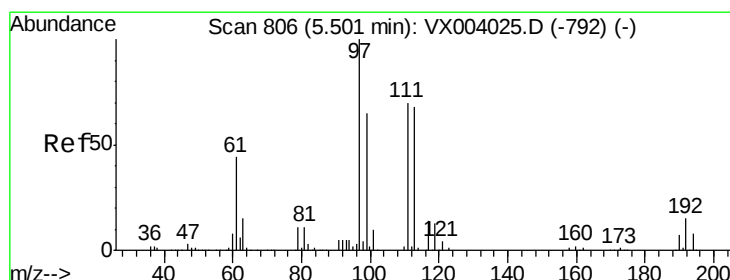
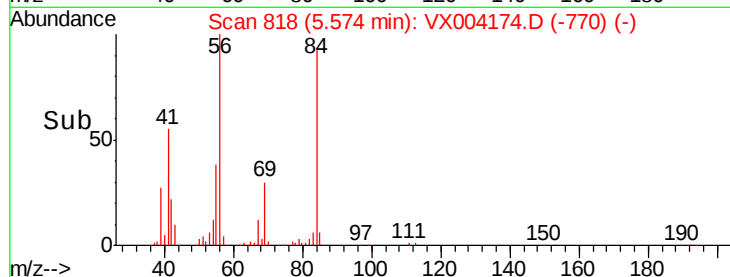
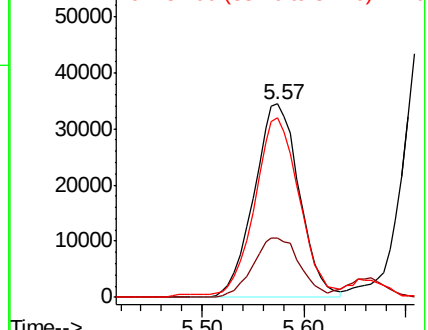
56 100

69 30.3 24.9 37.3

84 91.5 71.7 107.5



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



#32

1,1,1-Trichloroethane

Concen: 19.24 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

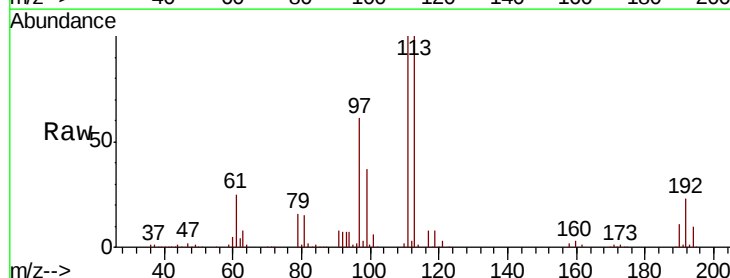
Tgt Ion: 97 Resp: 106086

Ion Ratio Lower Upper

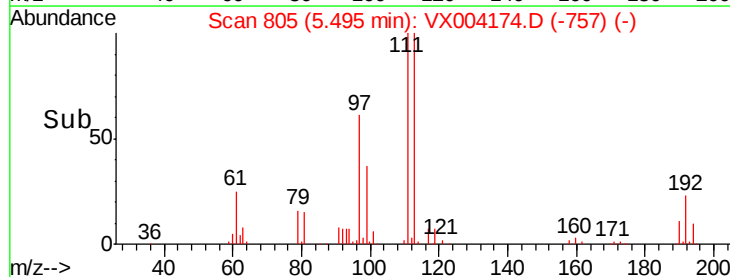
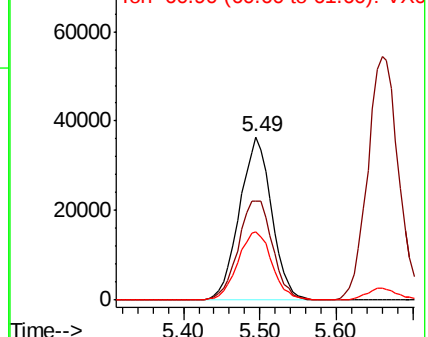
97 100

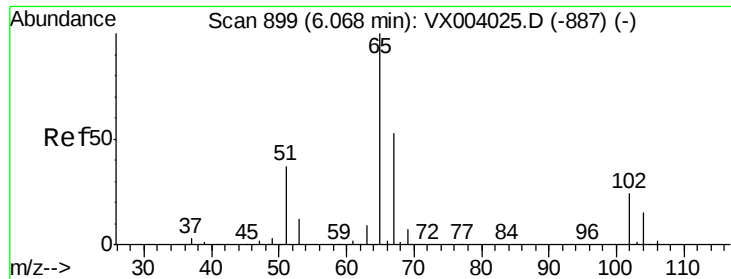
99 65.0 51.8 77.8

61 44.6 34.4 51.6



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

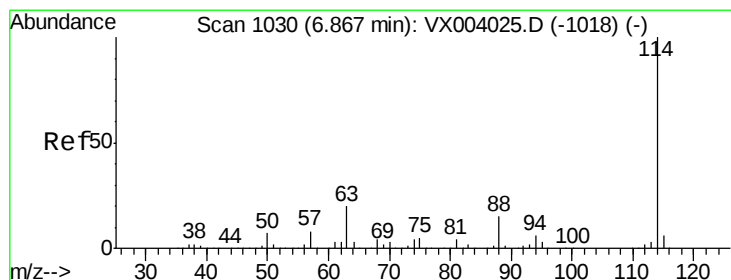
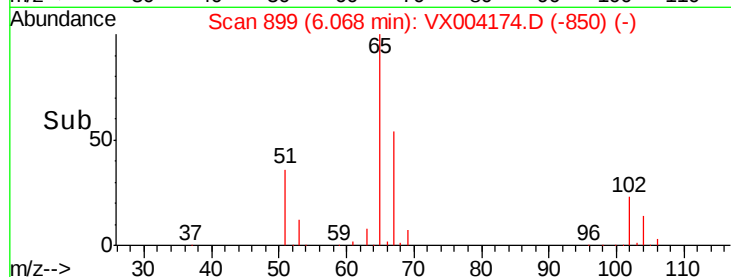
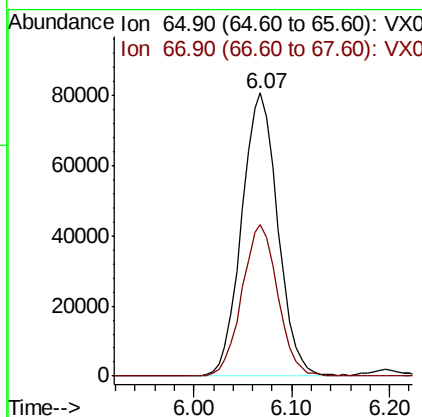
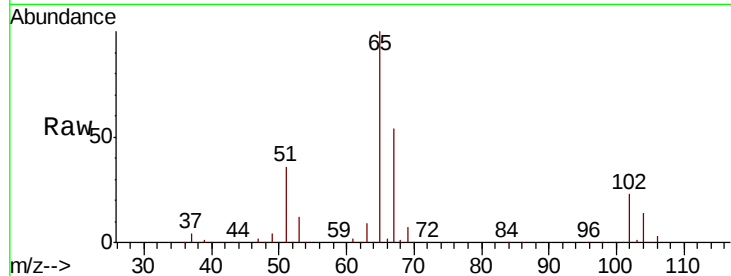




#33
 1,2-Dichloroethane-d4
 Concen: 48.30 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

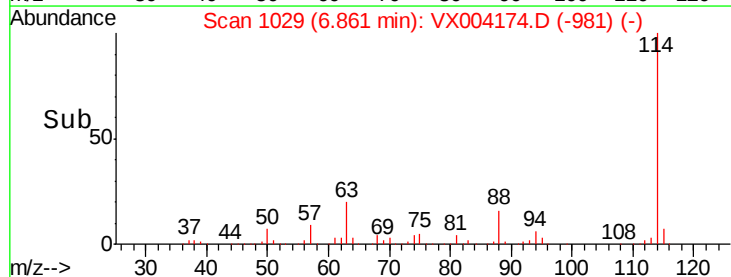
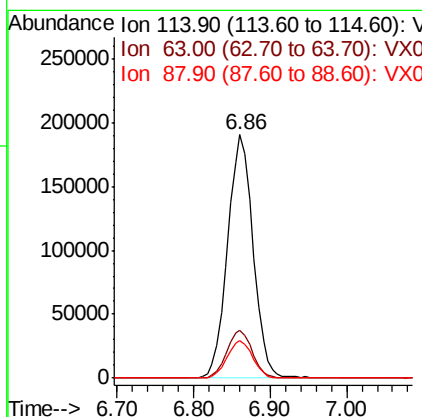
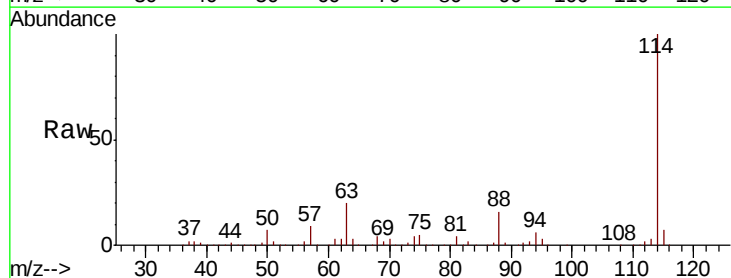
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

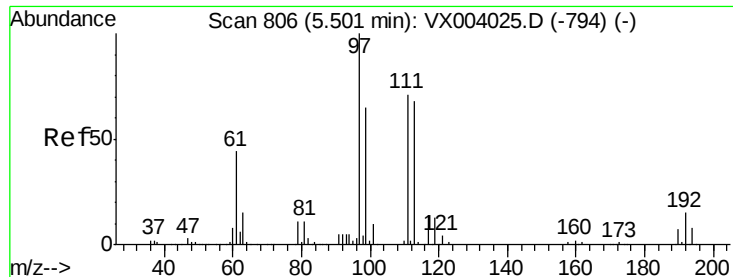
Tot Ion: 65 Resp: 207064
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 114 Resp: 439006
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.6 0.0 32.0

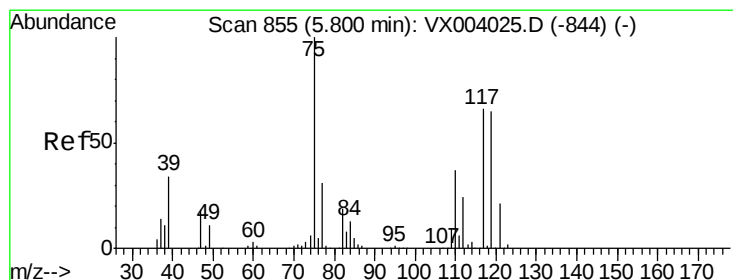
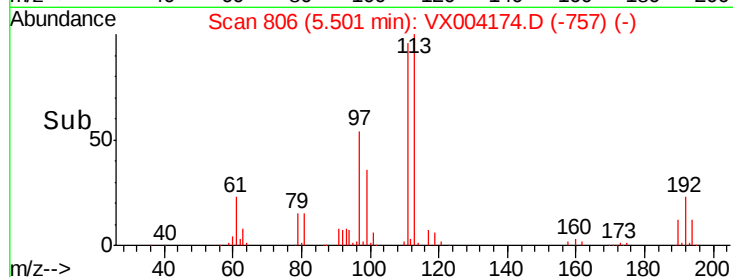
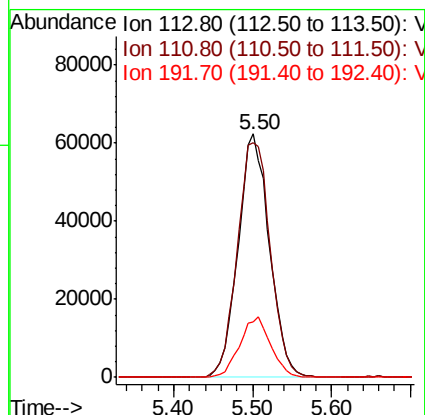
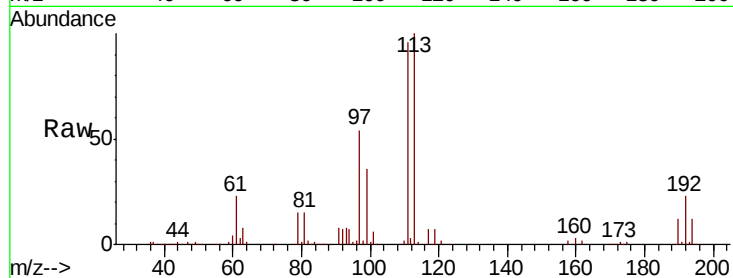




#35
 Dibromofluoromethane
 Concen: 52.52 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

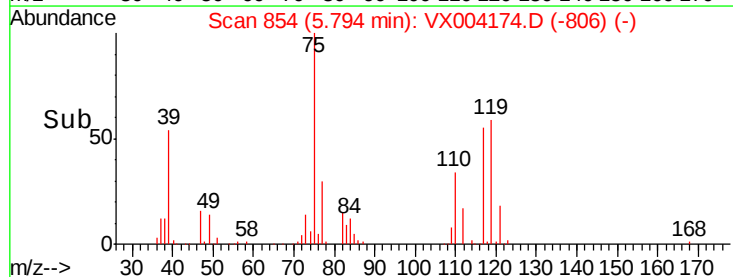
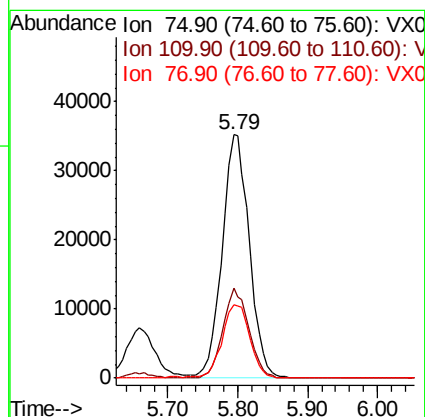
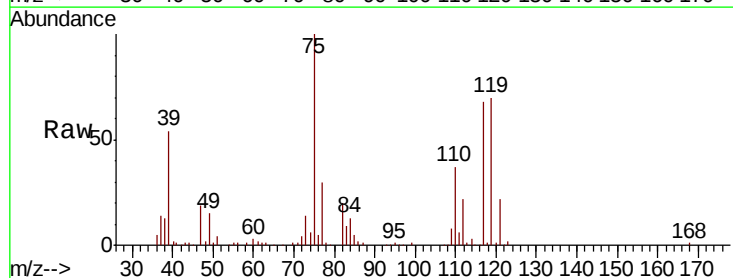
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

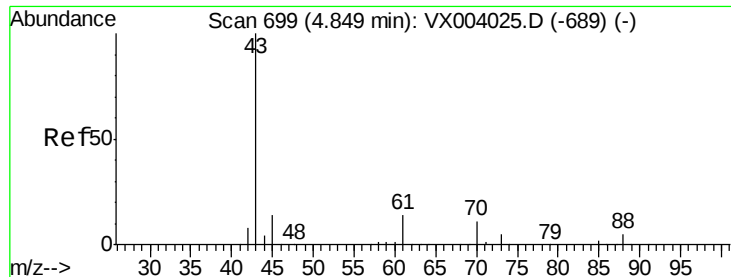
Tot Ion:113 Resp: 172553
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.0 123.0
 192 24.3 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 19.04 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 75 Resp: 95126
 Ion Ratio Lower Upper
 75 100
 110 35.2 18.2 54.6
 77 31.0 25.0 37.4

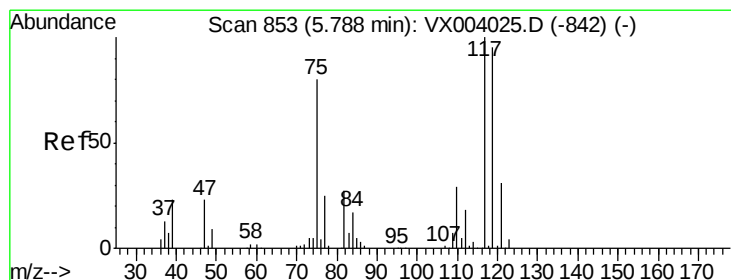
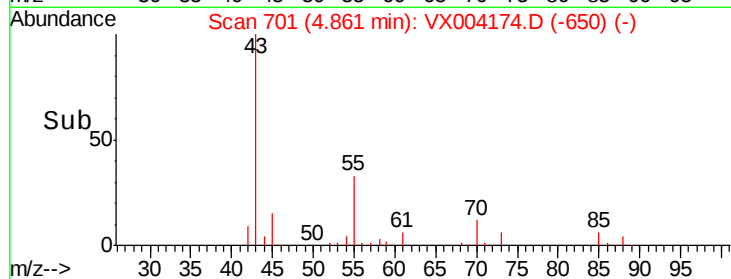
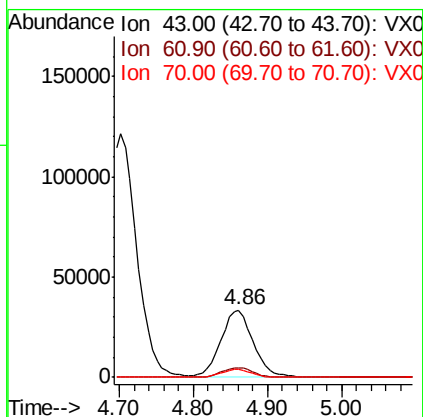
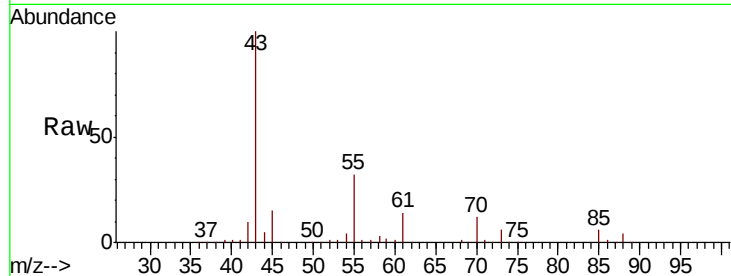




#37
Ethyl Acetate
Concen: 18.50 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

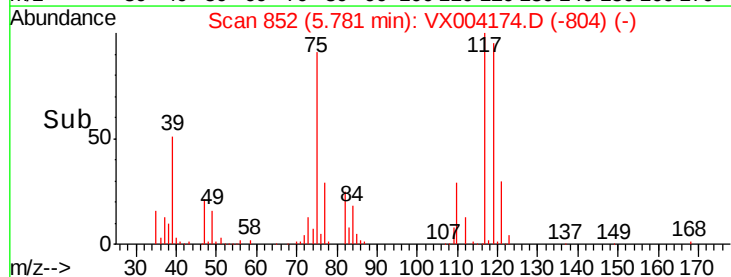
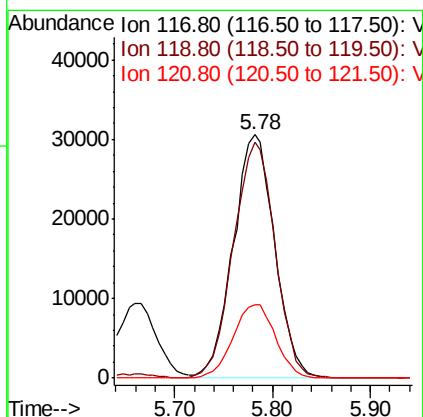
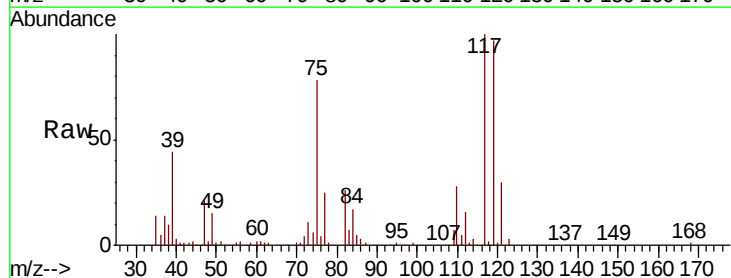
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

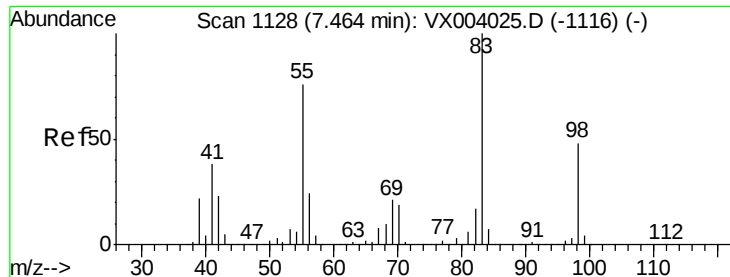
Tot Ion: 43 Resp: 100664
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 11.5 9.0 13.4



#38
Carbon Tetrachloride
Concen: 18.54 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 117 Resp: 89963
Ion Ratio Lower Upper
117 100
119 96.8 79.5 119.3
121 30.3 25.0 37.4

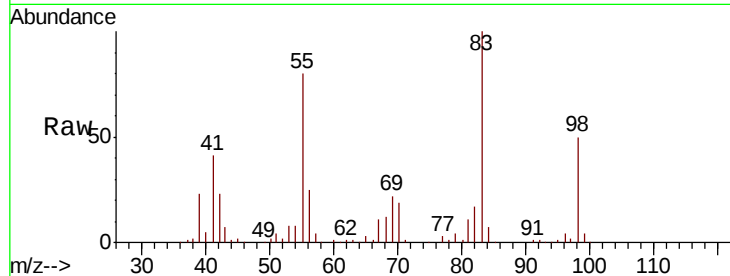




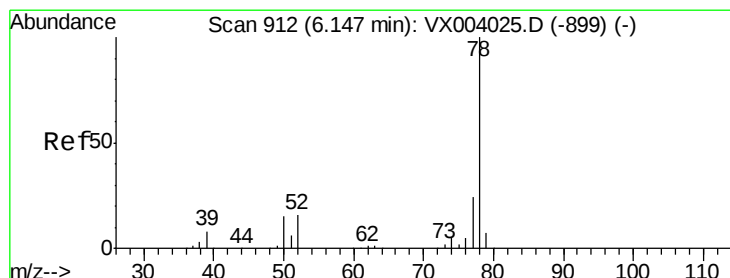
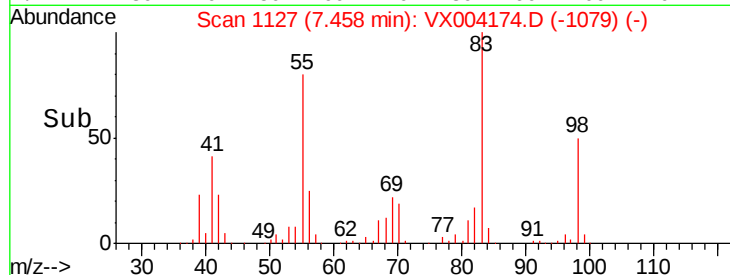
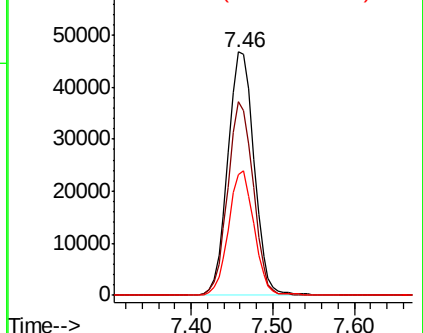
#39
Methvlcvclohexane
Concen: 18.31 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion: 83 Resp: 103773
Ion Ratio Lower Upper
83 100
55 79.8 61.0 91.6
98 49.8 38.6 57.8

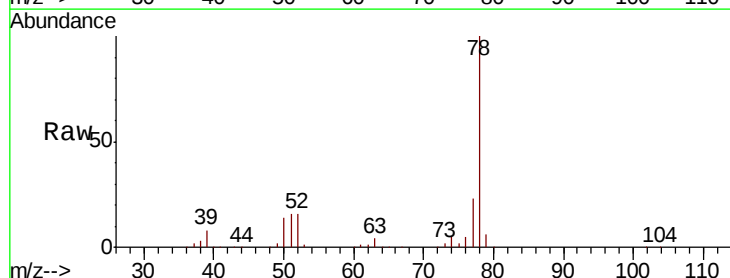


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

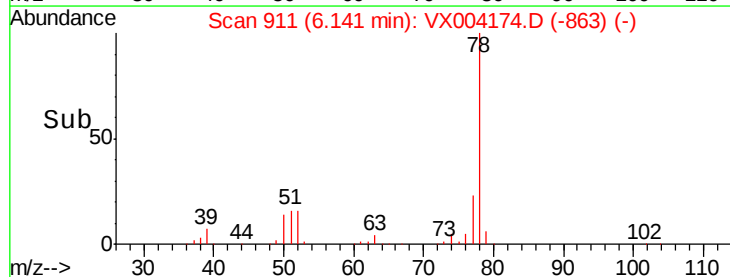
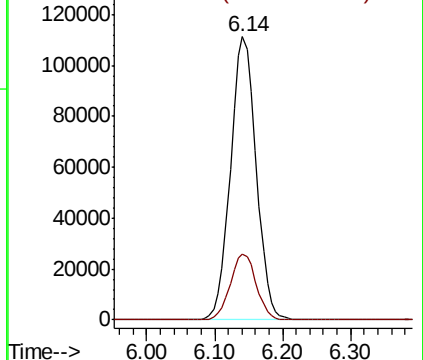


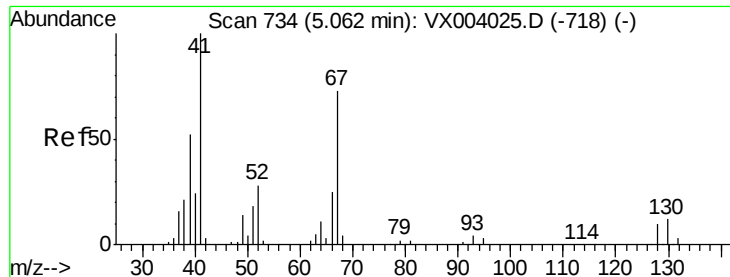
#40
Benzene
Concen: 19.42 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 78 Resp: 291265
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4



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

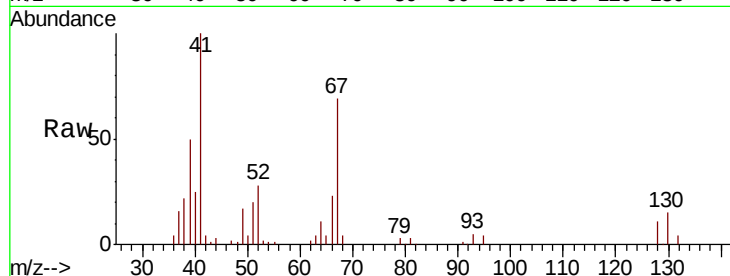




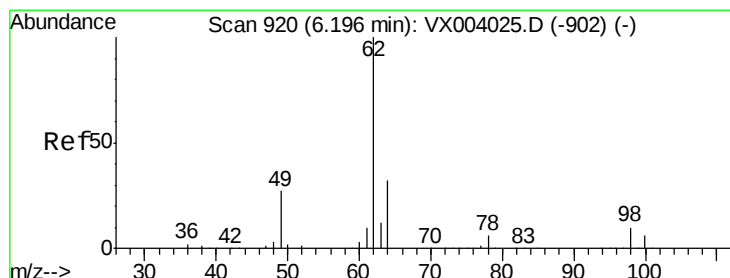
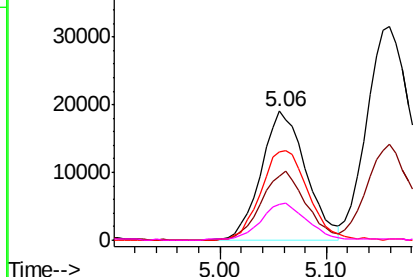
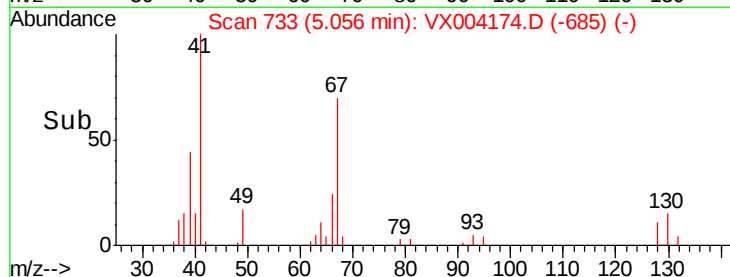
#41
Methacrylonitrile
Concen: 18.33 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion:	41	Resp:	55856
Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.7	64.1
67	73.1	58.9	88.3
52	30.2	22.6	33.8

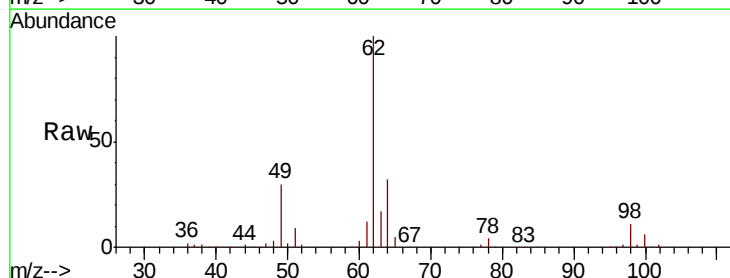


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

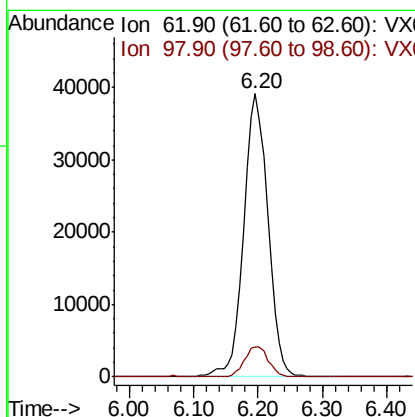
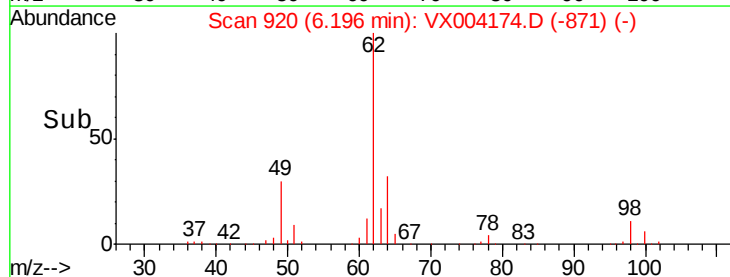


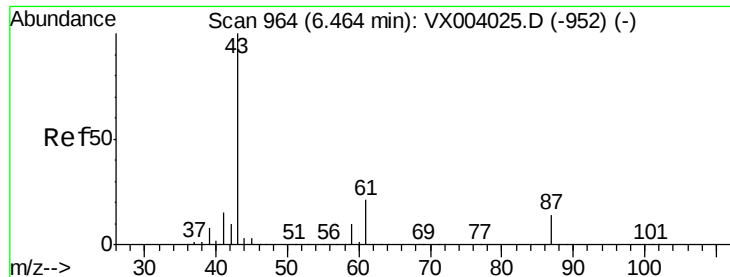
#42
1,2-Dichloroethane
Concen: 19.24 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion:	62	Resp:	101034
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 18.74 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

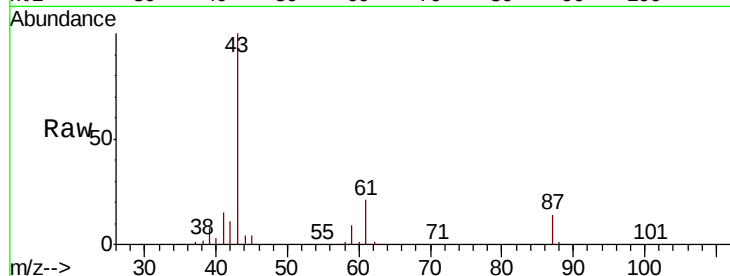
Tot Ion: 43 Resp: 150303

Ion Ratio Lower Upper

43 100

61 21.1 16.9 25.3

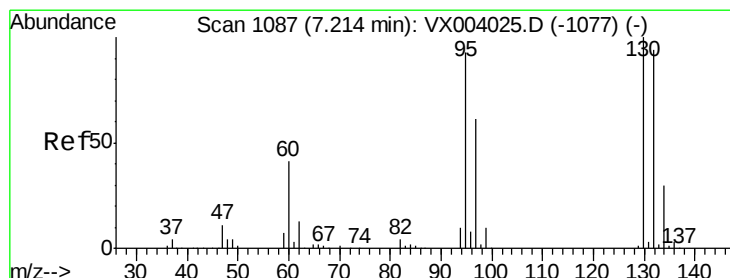
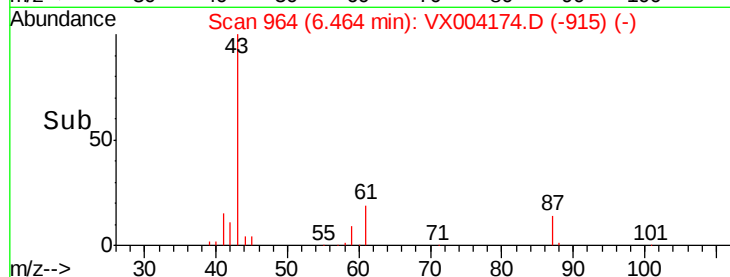
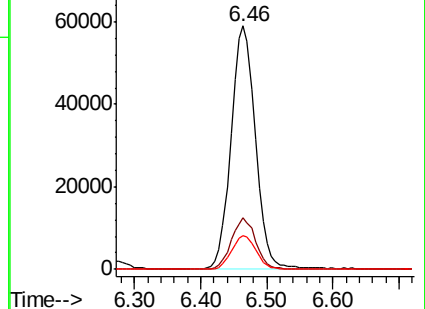
87 14.0 11.3 16.9



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: 19.06 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004174.D

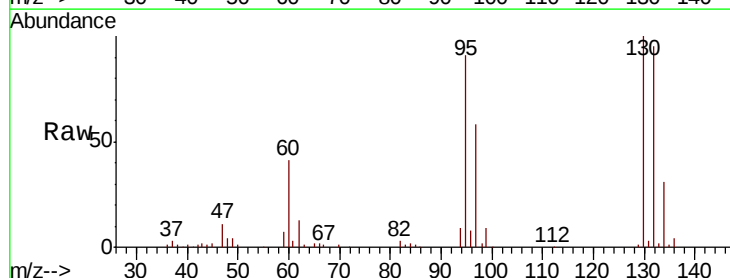
Acq: 21 Aug 2018 14:31

Tgt Ion:130 Resp: 77610

Ion Ratio Lower Upper

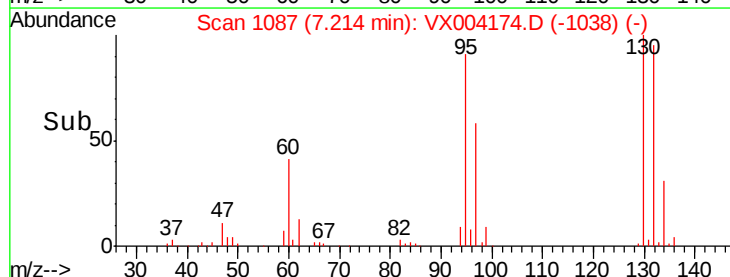
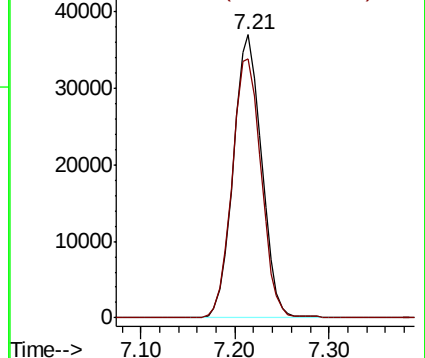
130 100

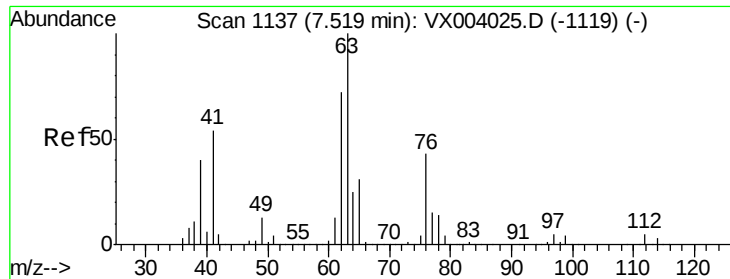
95 91.4 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

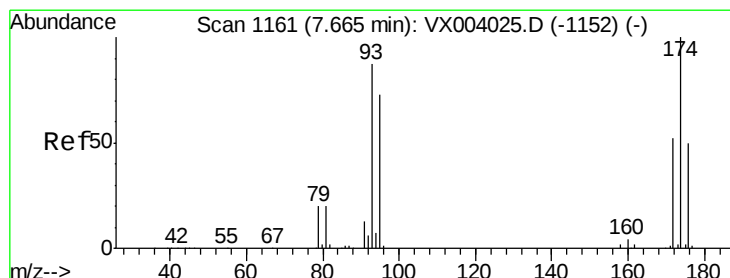
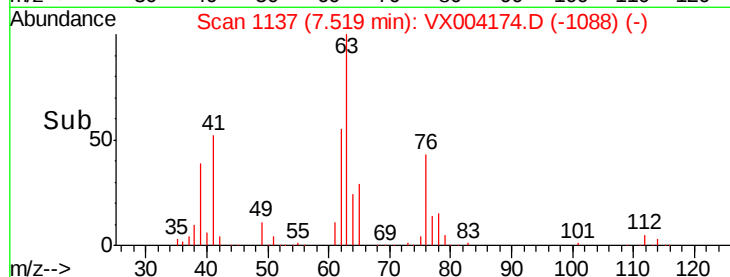
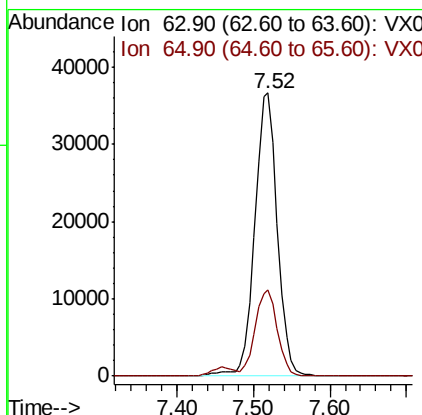
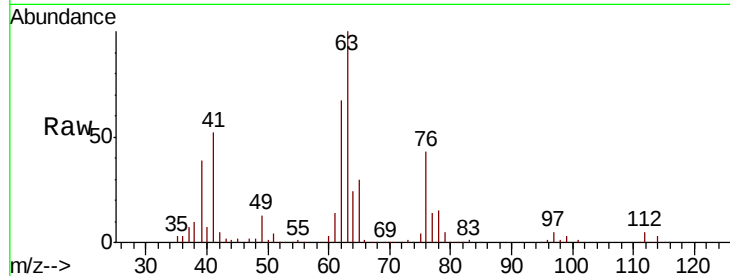




#45
 1,2-Dichloropropane
 Concen: 19.61 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

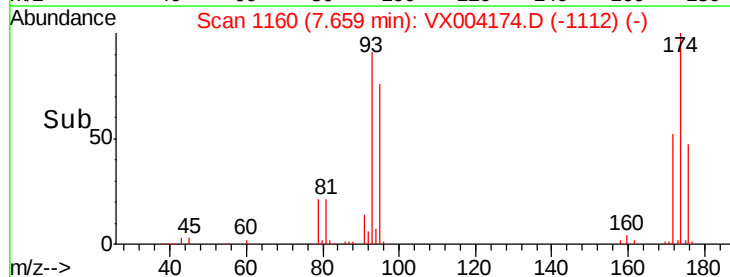
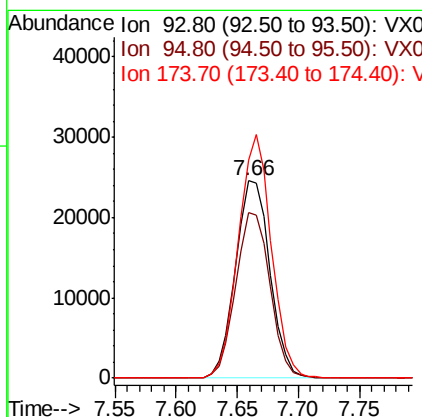
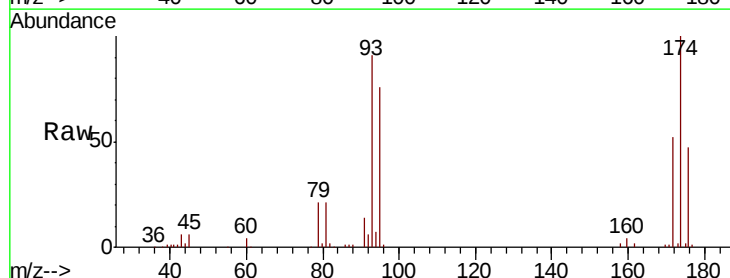
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

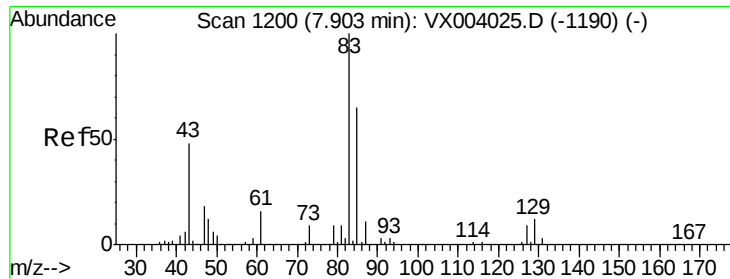
Tot Ion: 63 Resp: 75312
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8



#46
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 93 Resp: 48244
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 118.0 94.3 141.5





#47

Bromodichloromethane

Concen: 19.09 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

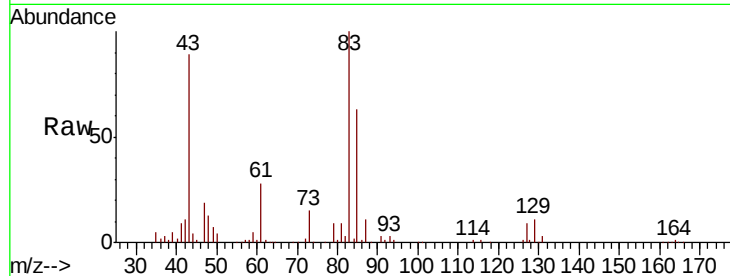
Tot Ion: 83 Resp: 90712

Ion Ratio Lower Upper

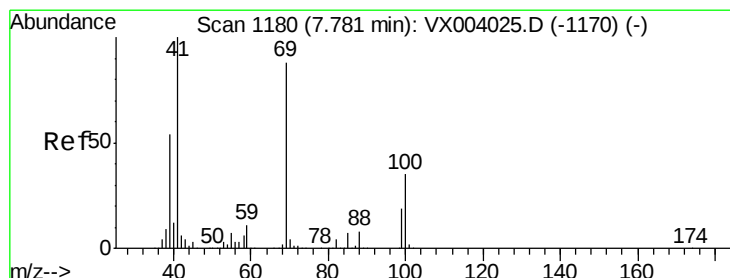
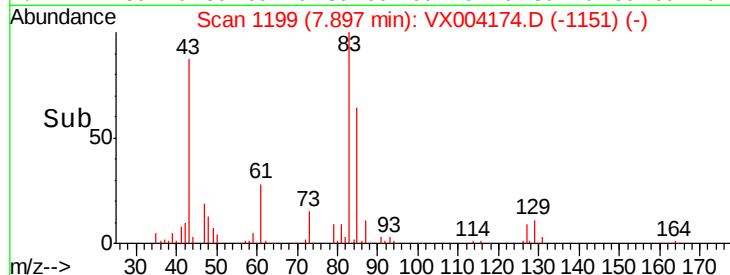
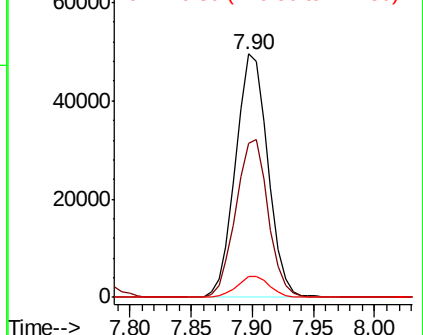
83 100

85 63.4 51.2 76.8

127 8.6 7.2 10.8



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: 19.48 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

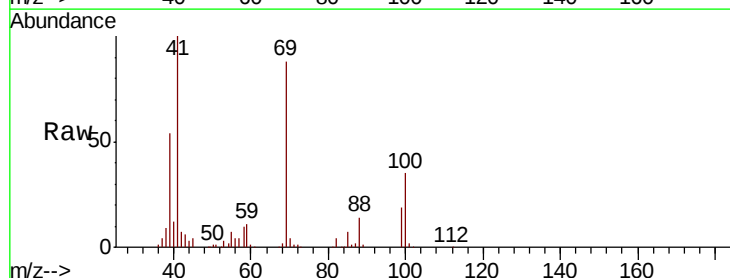
Tgt Ion: 41 Resp: 78616

Ion Ratio Lower Upper

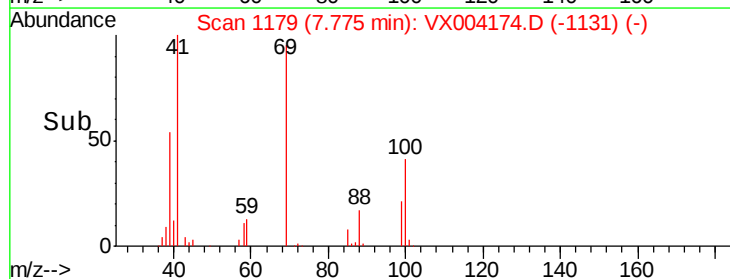
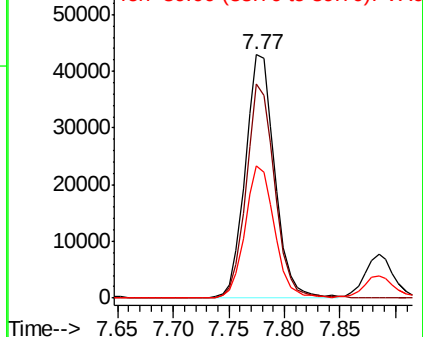
41 100

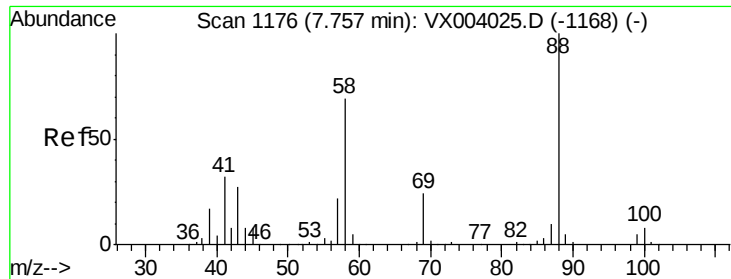
69 86.3 68.8 103.2

39 54.7 42.3 63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

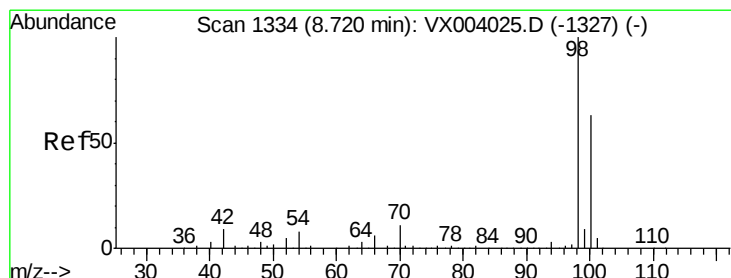
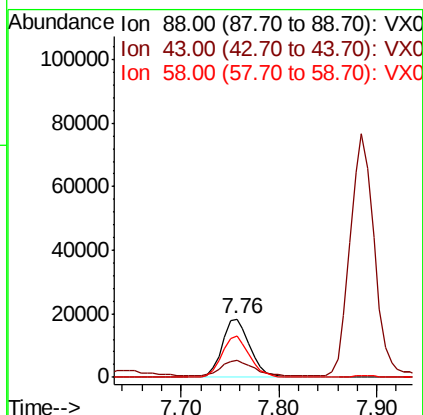
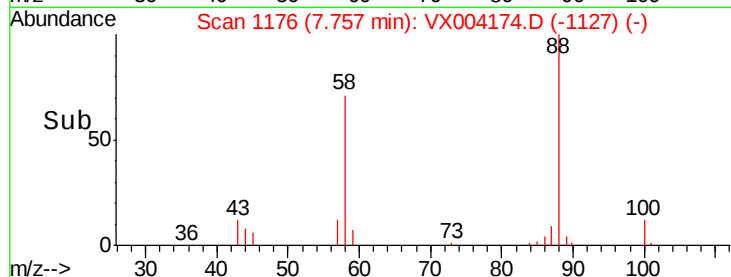
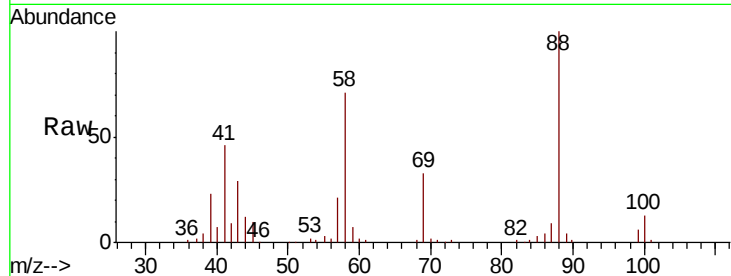




#49
1,4-Dioxane
Concen: 396.81 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

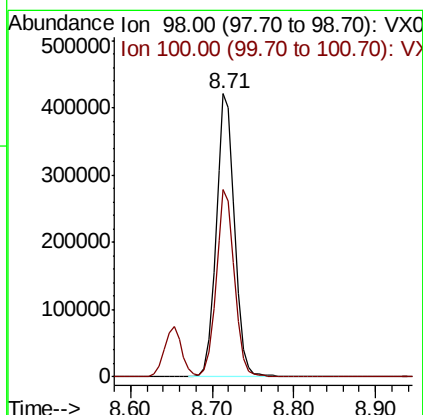
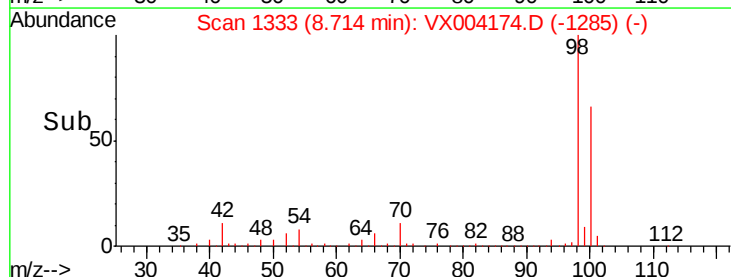
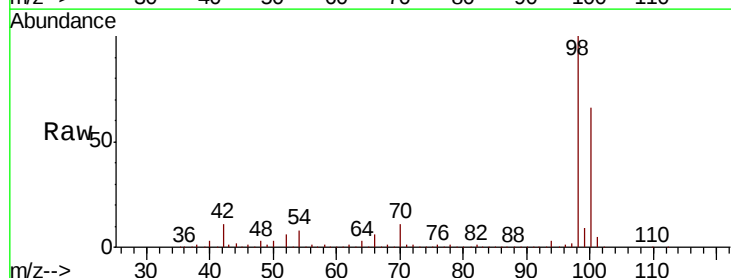
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

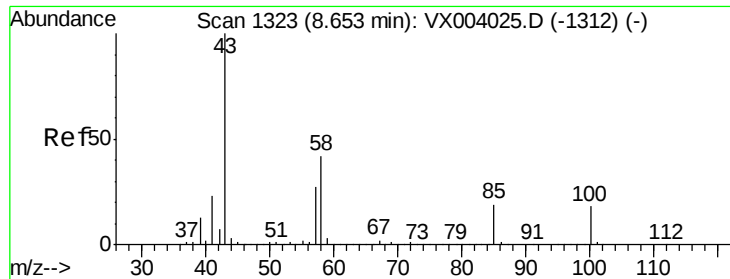
Tot Ion: 88 Resp: 36062
Ion Ratio Lower Upper
88 100
43 31.2 23.8 35.8
58 71.5 55.4 83.0



#50
Toluene-d8
Concen: 49.90 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 98 Resp: 664792
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 99.35 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

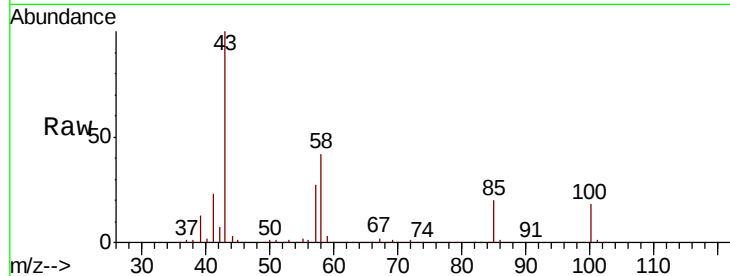
VX0821WBSD01

Tot Ion: 43 Resp: 653246

Ion Ratio Lower Upper

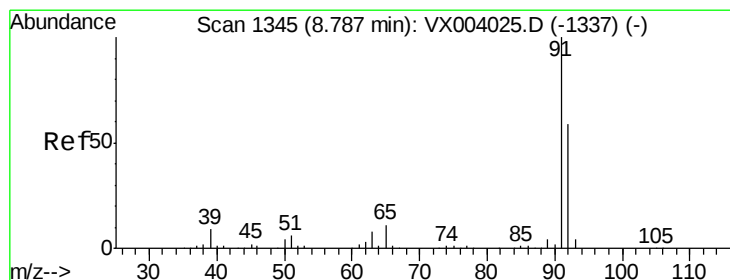
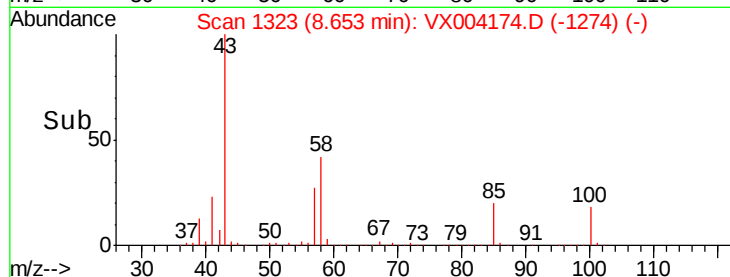
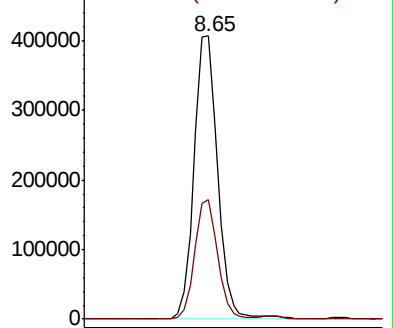
43 100

58 40.9 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.51 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004174.D

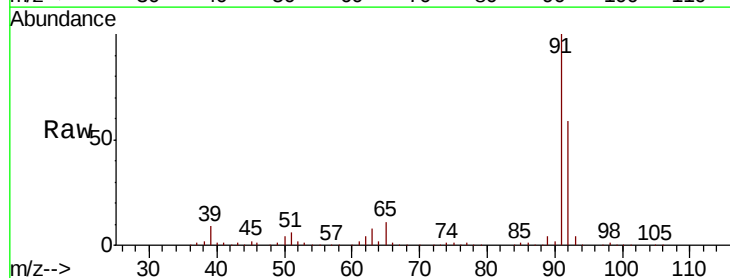
Acq: 21 Aug 2018 14:31

Tgt Ion: 92 Resp: 185129

Ion Ratio Lower Upper

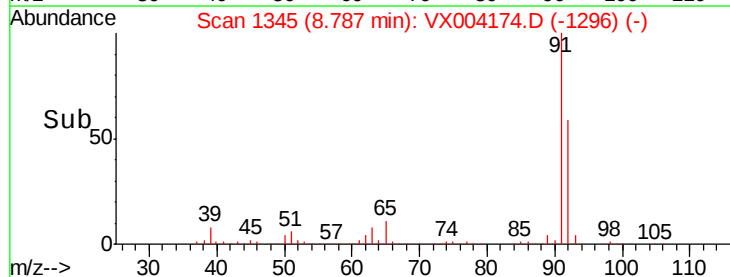
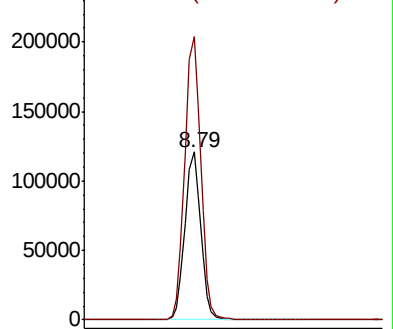
92 100

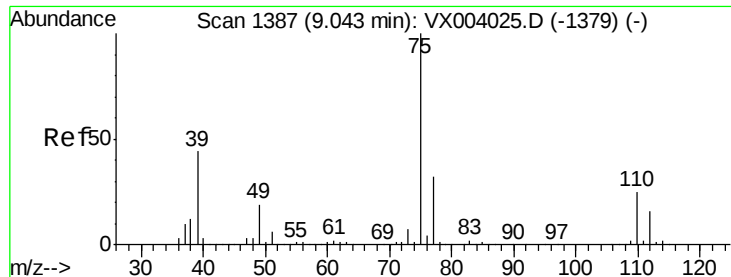
91 171.2 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

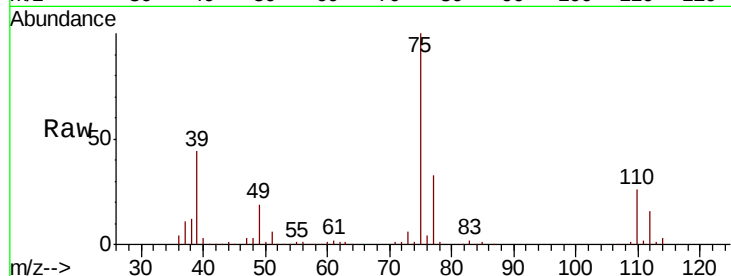
VX0821WBSD01

Tot Ion: 75 Resp: 99249

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

80000

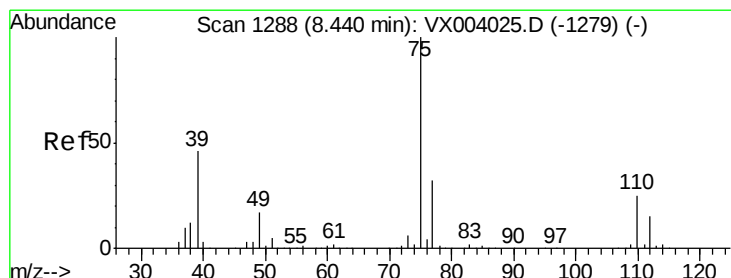
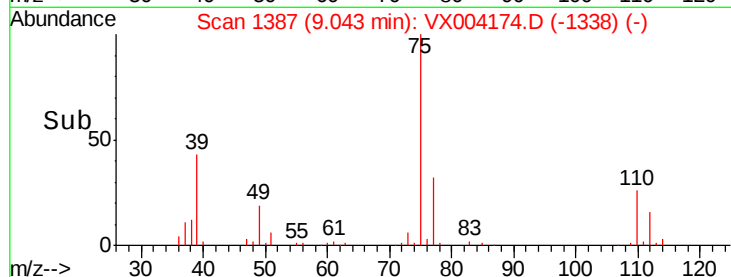
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 19.39 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

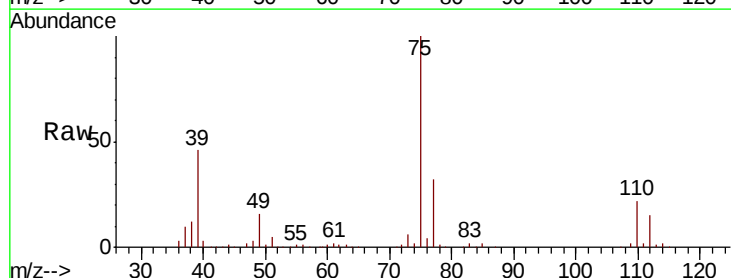
Tgt Ion: 75 Resp: 110257

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 46.3 36.2 54.2



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

8.43

80000

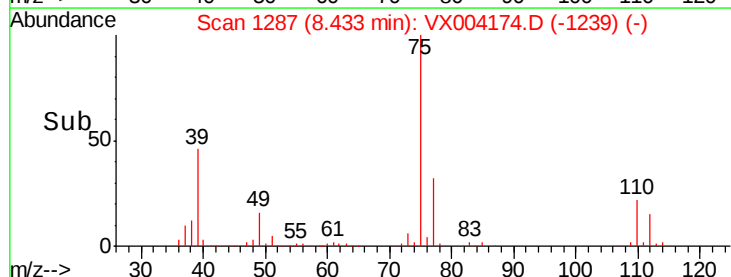
60000

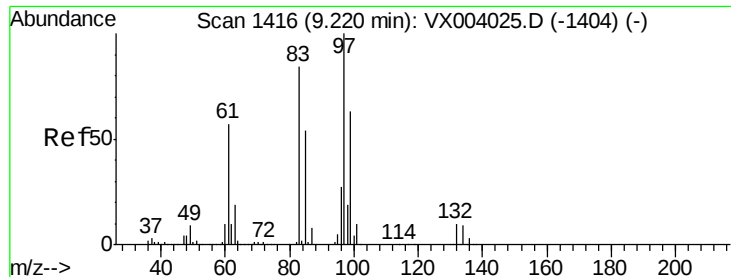
40000

20000

0

Time--> 8.40 8.50



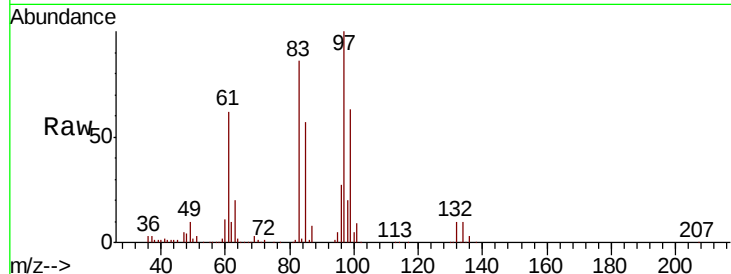


#55
 1,1,2-Trichloroethane
 Concen: 19.31 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

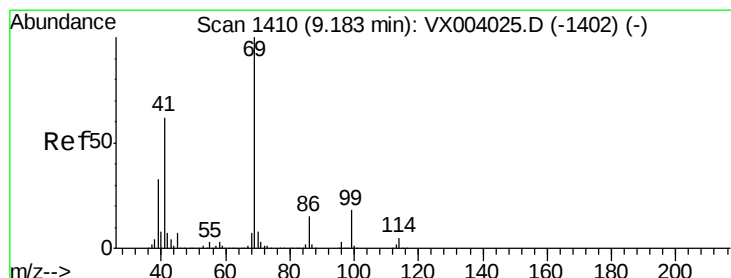
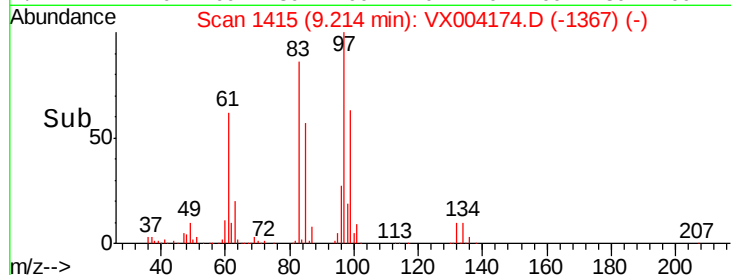
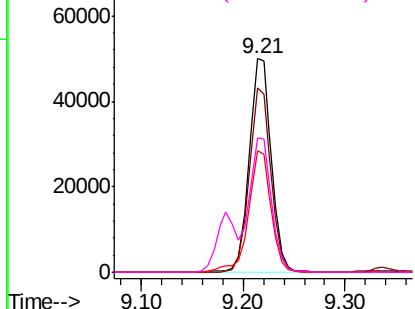
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion: 97 Resp: 75664

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.8	101.6
85	56.6	44.2	66.2
99	62.9	50.8	76.2



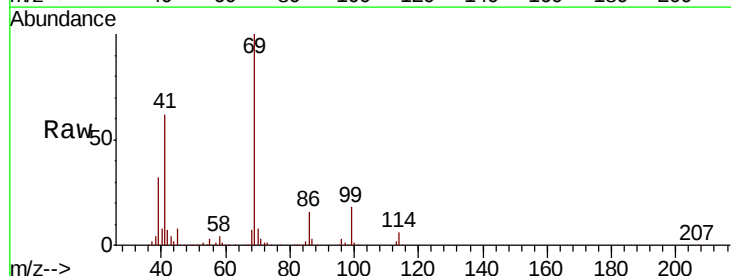
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



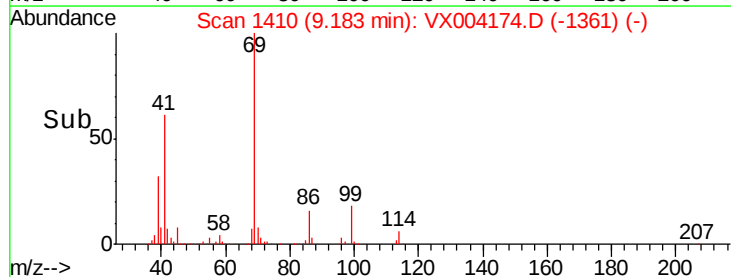
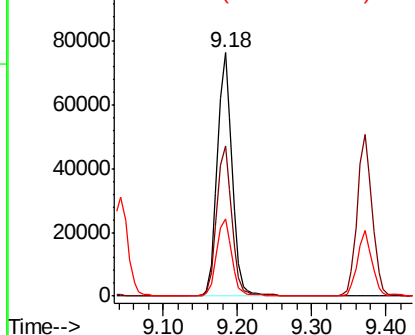
#56
 Ethyl methacrylate
 Concen: 19.69 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

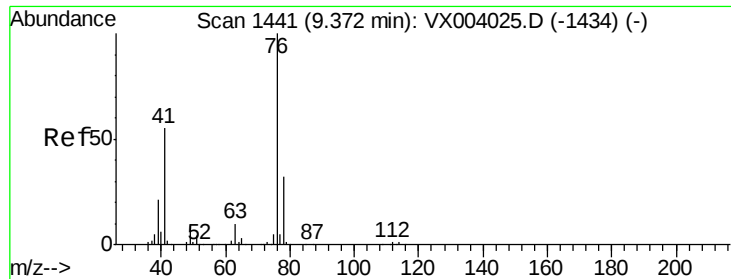
Tgt Ion: 69 Resp: 104892

Ion	Ratio	Lower	Upper
69	100		
41	62.7	50.6	76.0
39	32.6	25.8	38.6



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: 19.52 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

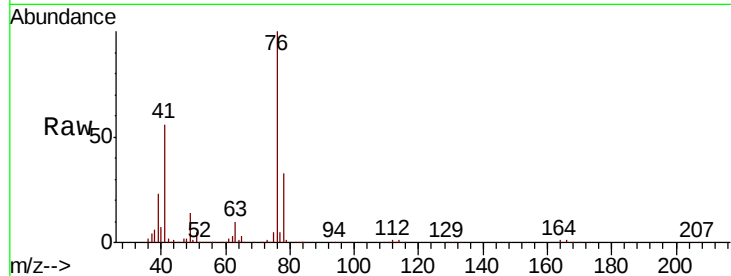
VX0821WBSD01

Tot Ion: 76 Resp: 126886

Ion Ratio Lower Upper

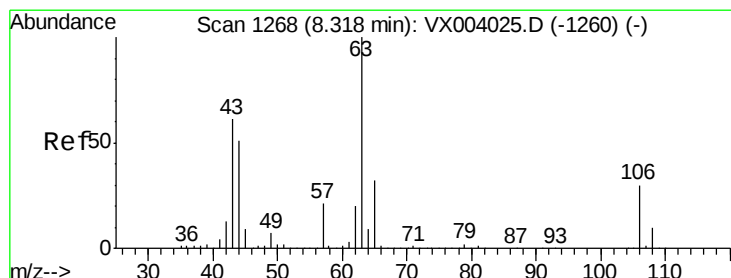
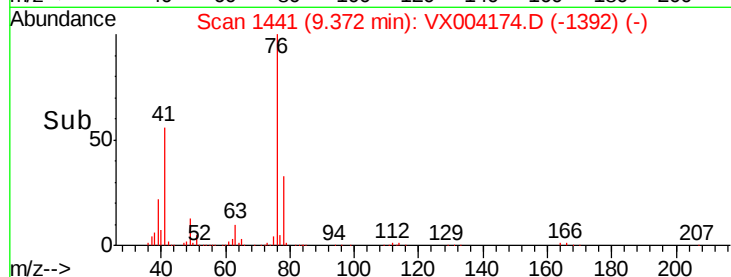
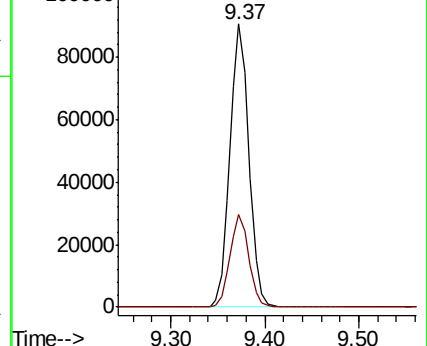
76 100

78 32.5 25.9 38.9



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: 99.88 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004174.D

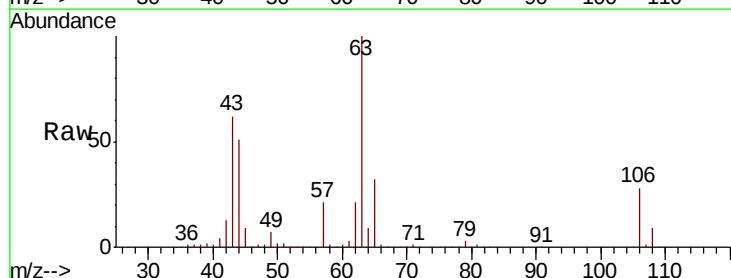
Acq: 21 Aug 2018 14:31

Tgt Ion: 63 Resp: 270960

Ion Ratio Lower Upper

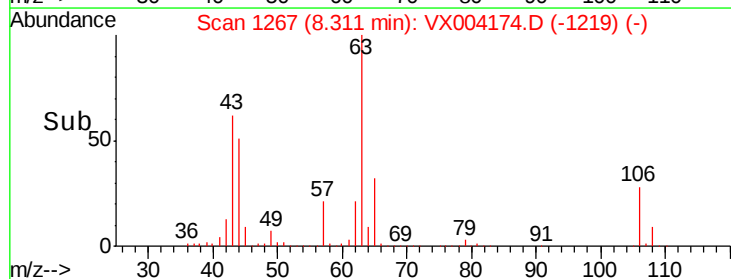
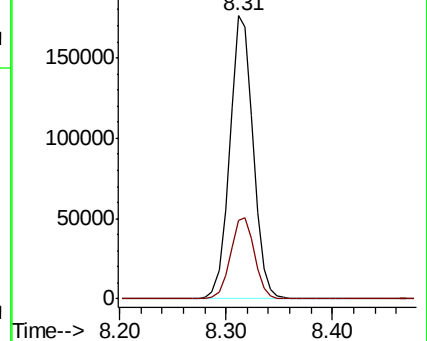
63 100

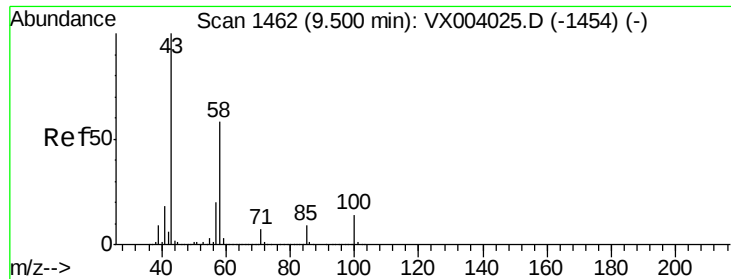
106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

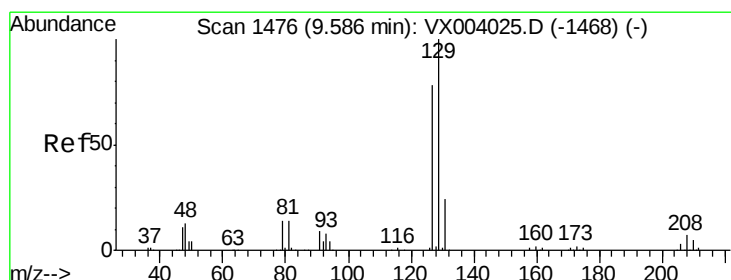
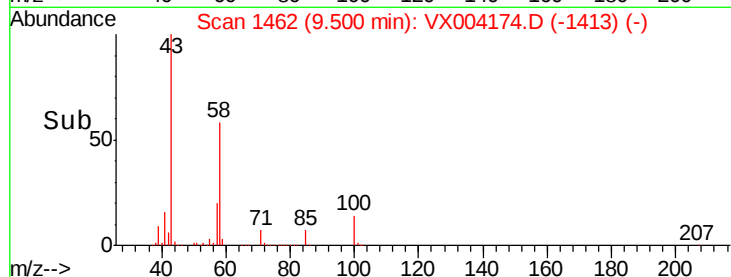
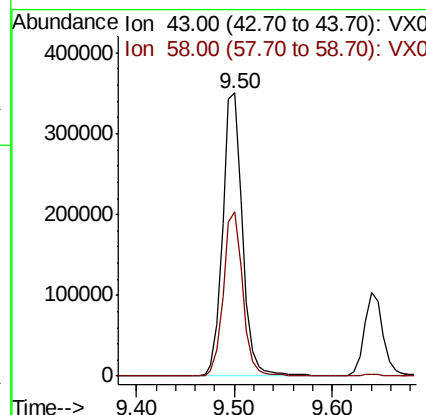
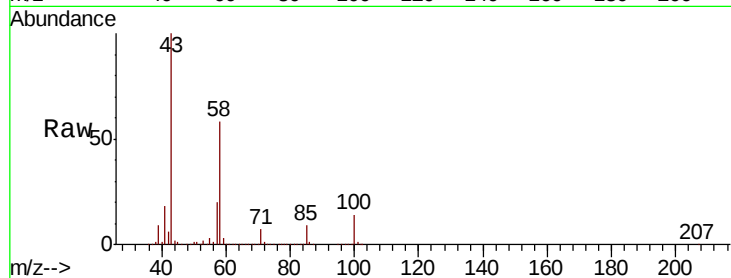




#59
2-Hexanone
Concen: 99.09 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

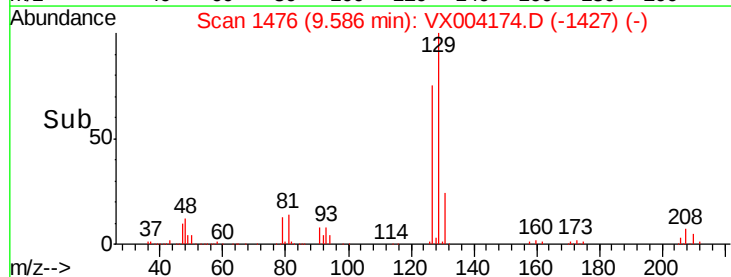
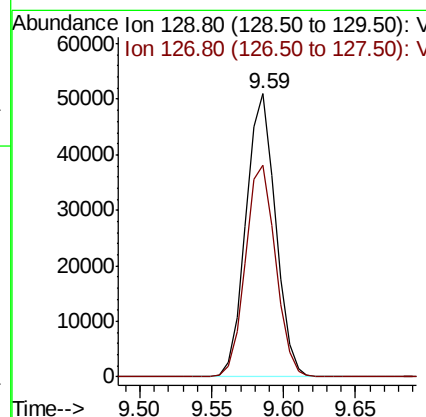
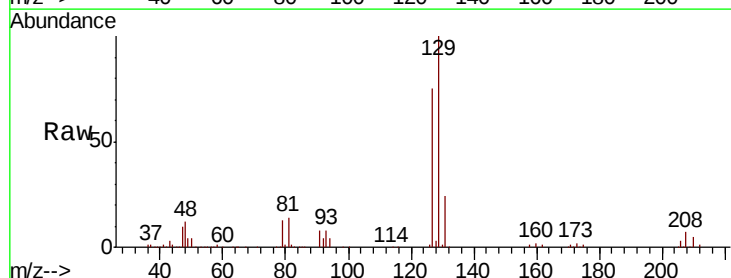
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

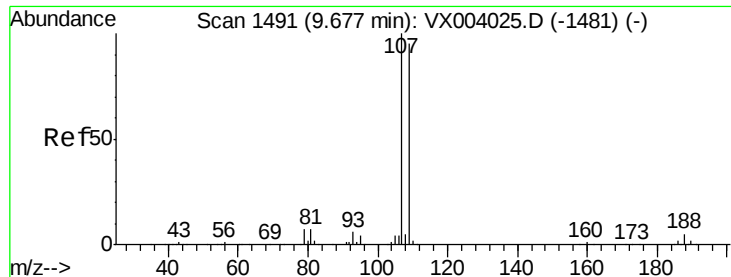
Tot Ion: 43 Resp: 490307
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0



#60
Dibromochloromethane
Concen: 19.23 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 129 Resp: 72512
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.40 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

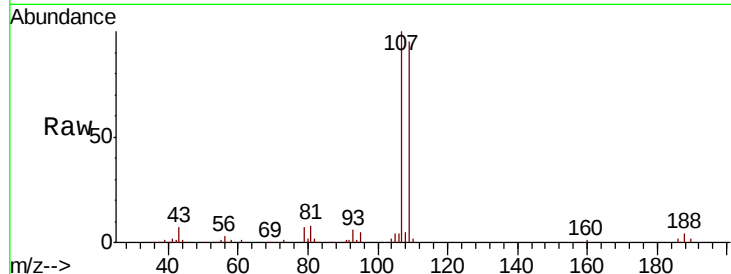
VX0821WBSD01

Tot Ion:107 Resp: 77465

Ion Ratio Lower Upper

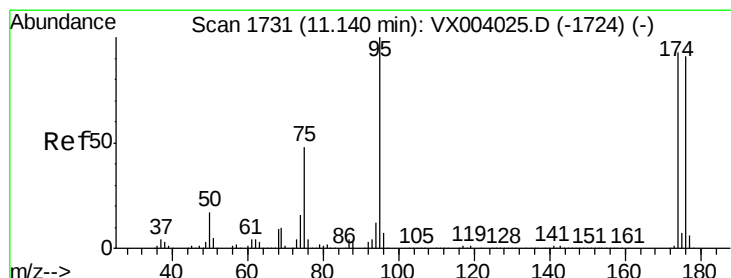
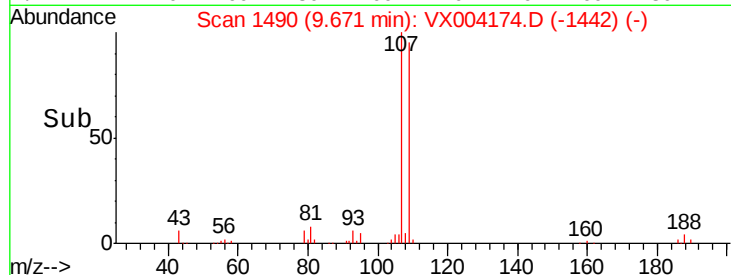
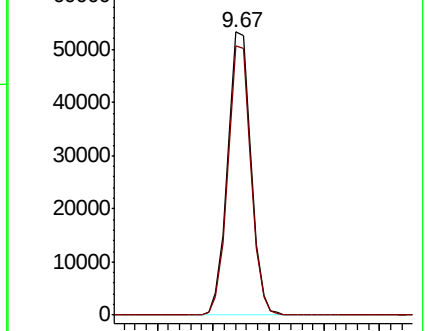
107 100

109 94.2 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

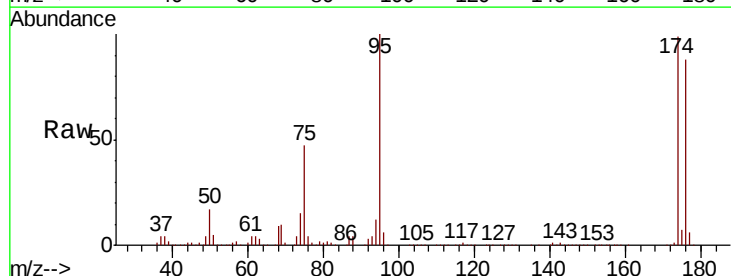
Tgt Ion: 95 Resp: 230358

Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

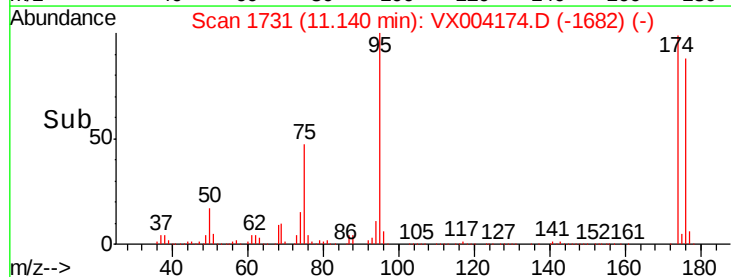
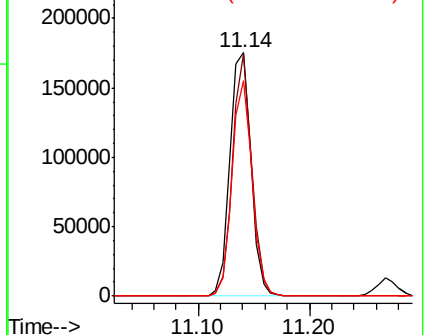
176 84.5 0.0 179.0

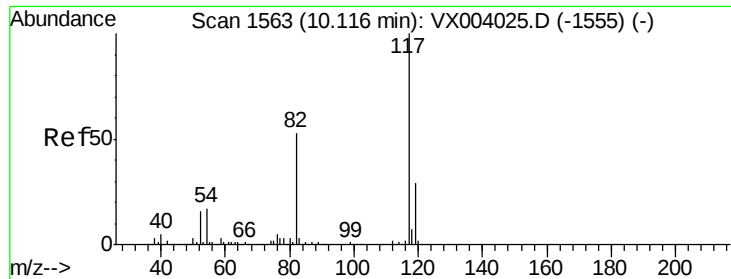


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

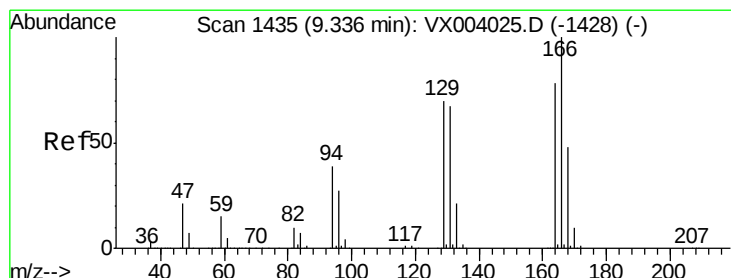
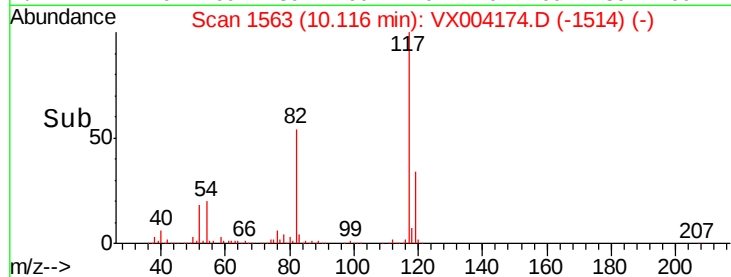
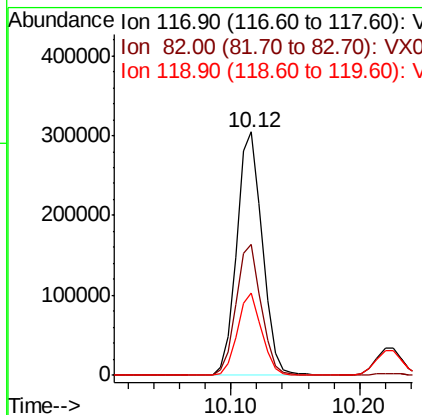
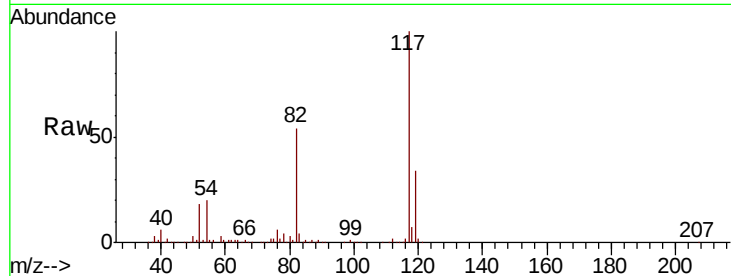




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

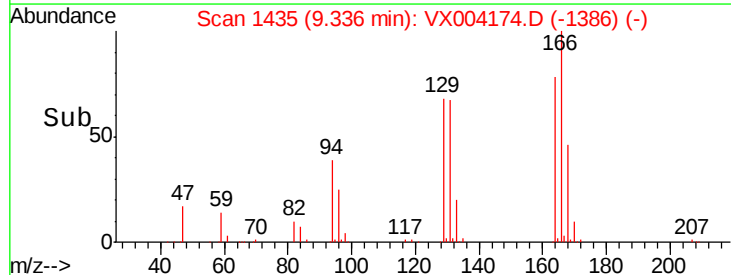
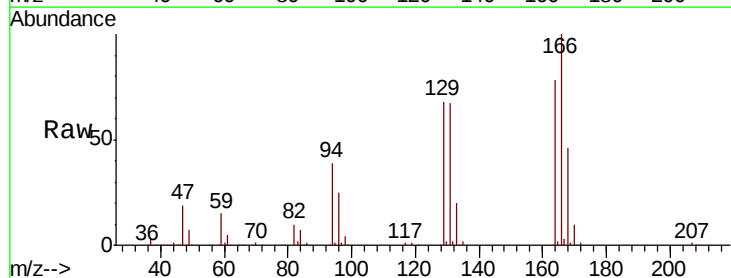
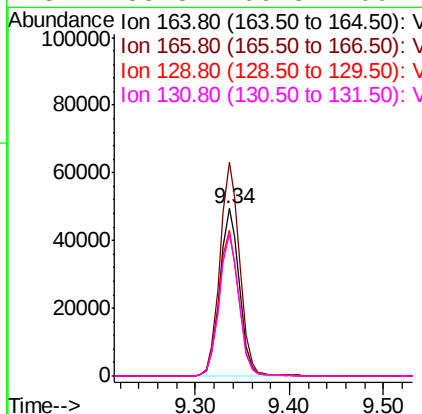
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

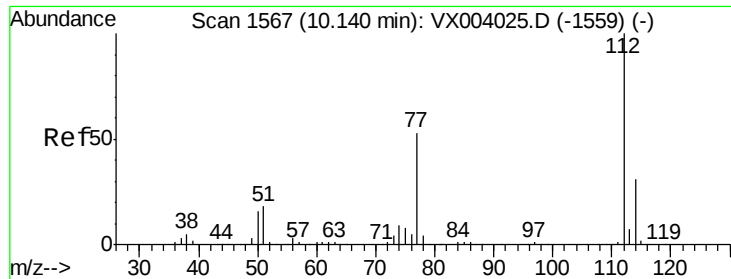
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.4	68.0
119	34.0	26.6	40.0



#64
Tetrachloroethene
Concen: 17.99 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	98.0	147.0
129	87.1	64.3	96.5
131	85.3	66.8	100.2





#65

Chlorobenzene

Concen: 19.15 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

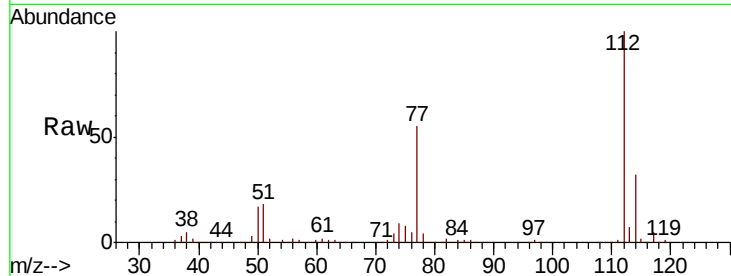
VX0821WBSD01

Tot Ion:112 Resp: 207237

Ion Ratio Lower Upper

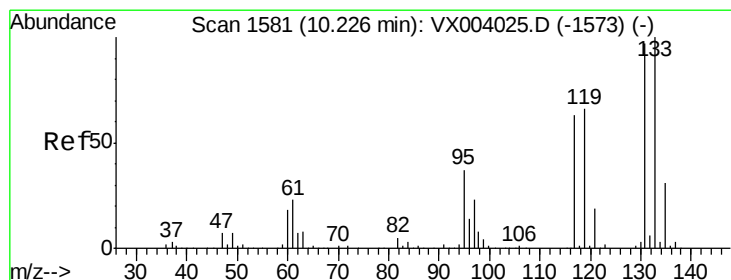
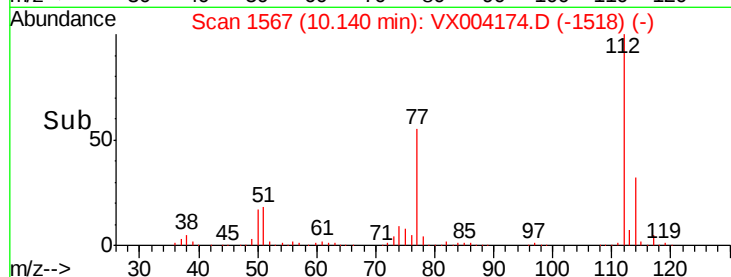
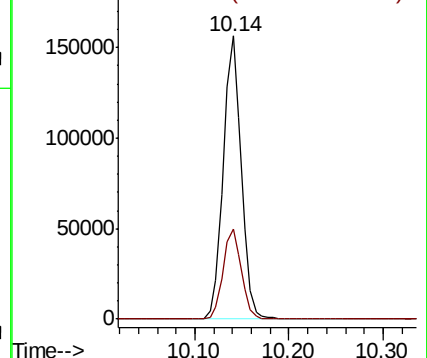
112 100

114 31.6 23.6 35.4



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: 19.70 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

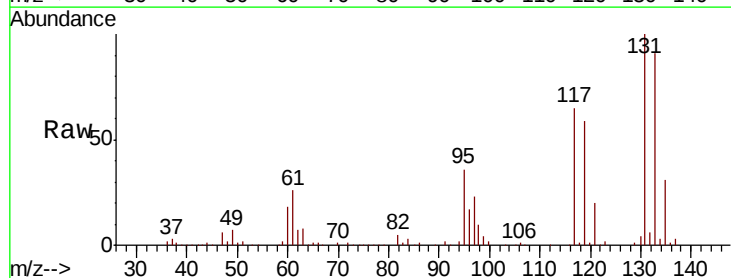
Tgt Ion:131 Resp: 72723

Ion Ratio Lower Upper

131 100

133 94.0 47.3 141.8

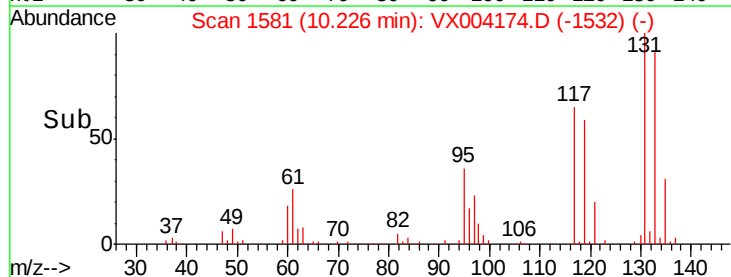
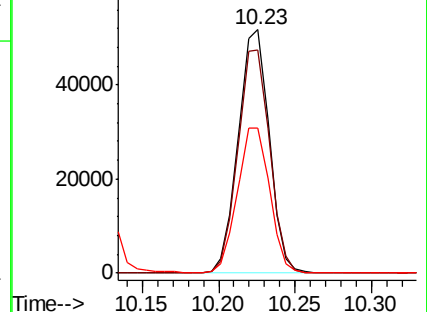
119 62.4 31.6 94.8

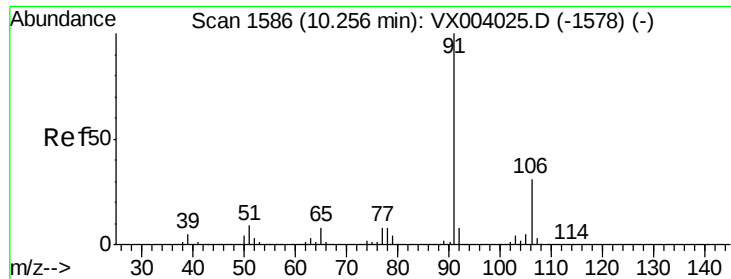


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

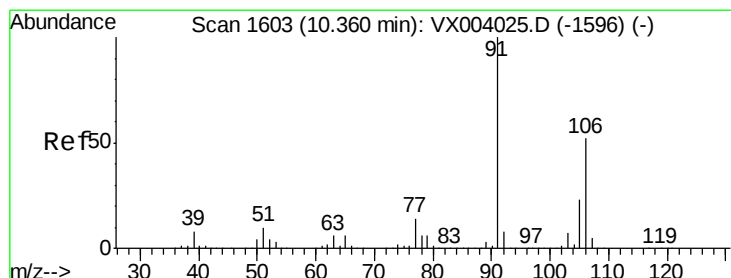
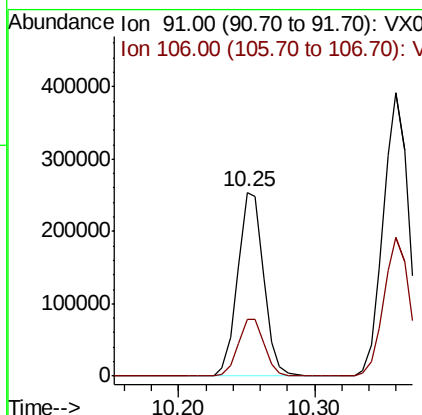
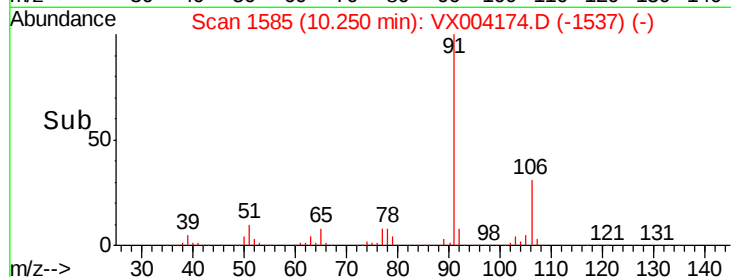
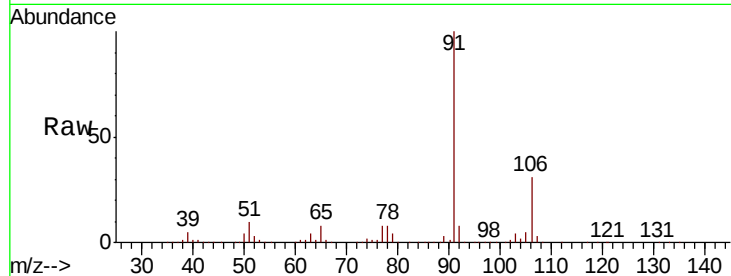




#67
Ethyl Benzene
Concen: 19.80 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

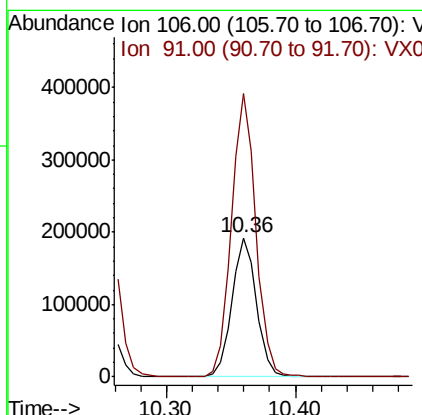
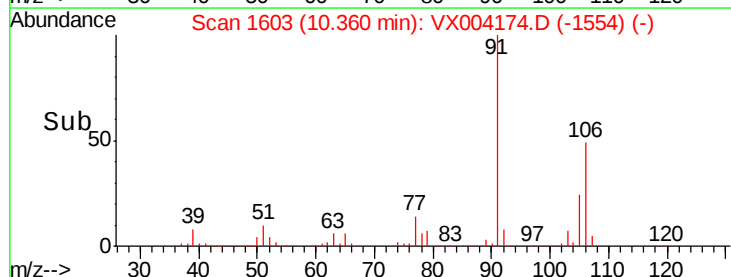
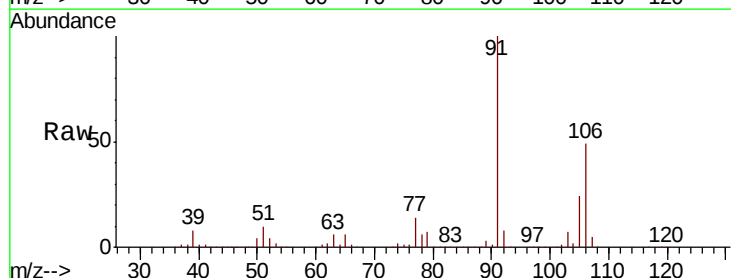
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

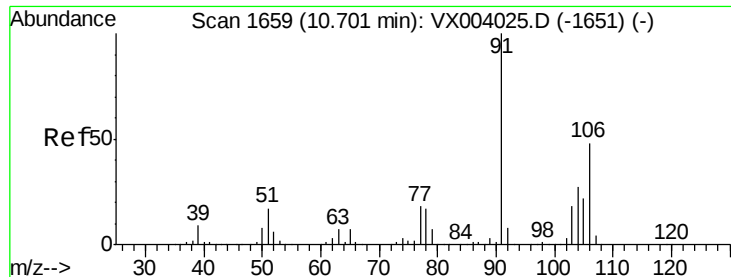
Tot Ion: 91 Resp: 339359
Ion Ratio Lower Upper
91 100
106 30.7 25.9 38.9



#68
m/p-Xylenes
Concen: 38.05 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 106 Resp: 255376
Ion Ratio Lower Upper
106 100
91 203.6 162.3 243.5

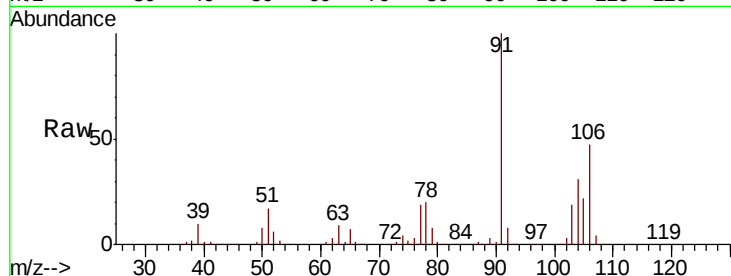




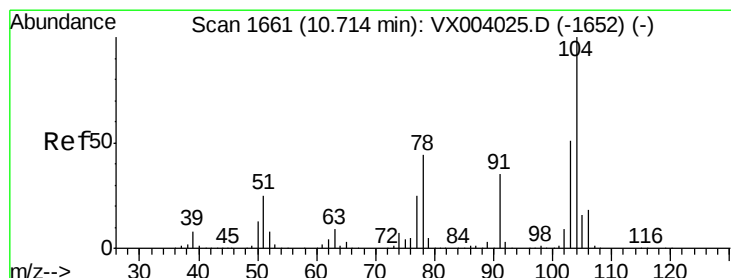
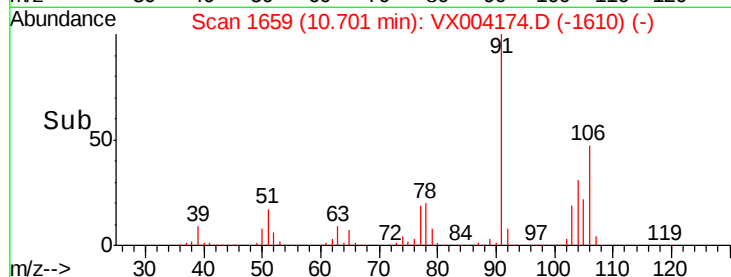
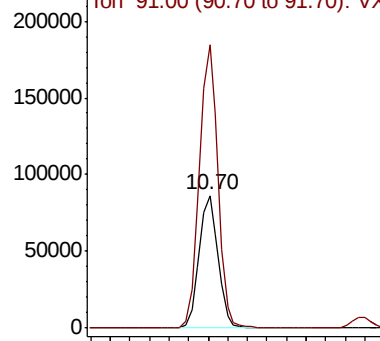
#69
o-Xylene
Concen: 18.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion:106 Resp: 116171
Ion Ratio Lower Upper
106 100
91 209.2 101.9 305.7

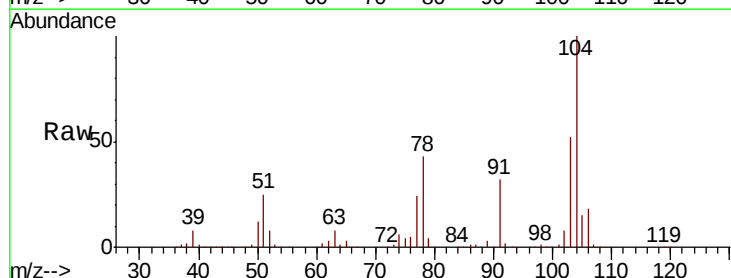


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

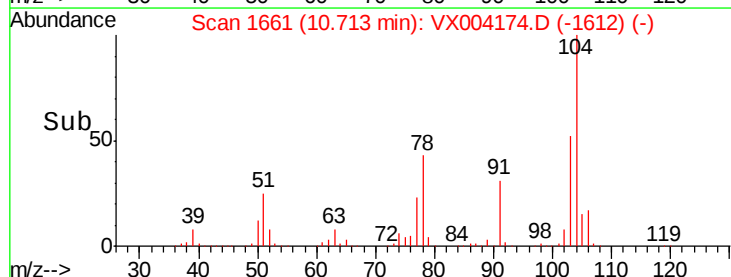
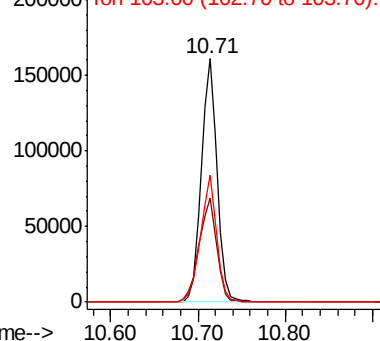


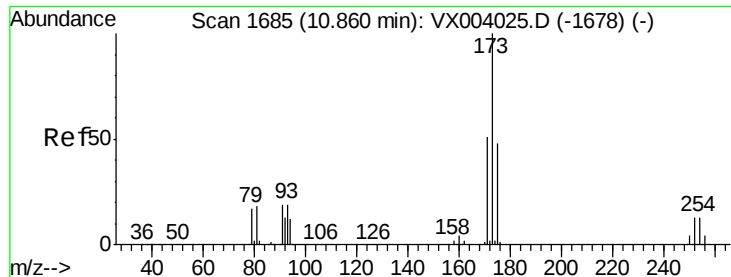
#70
Styrene
Concen: 18.63 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion:104 Resp: 201063
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 53.9 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.80 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

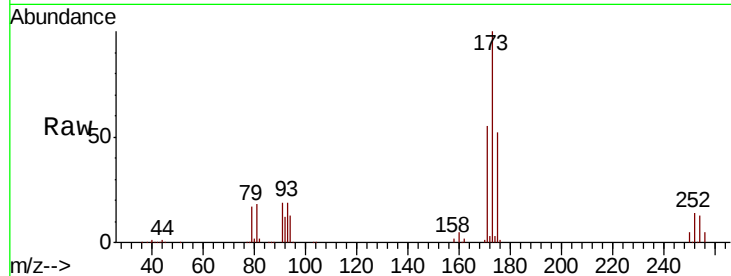
Tot Ion:173 Resp: 49169

Ion Ratio Lower Upper

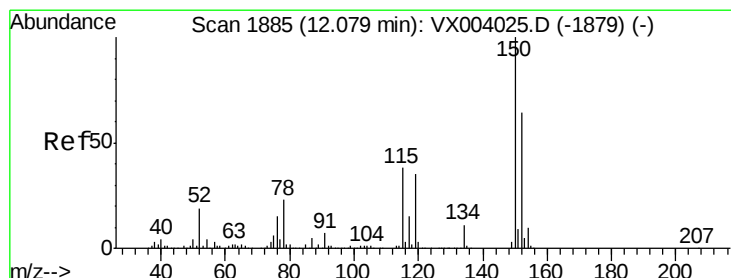
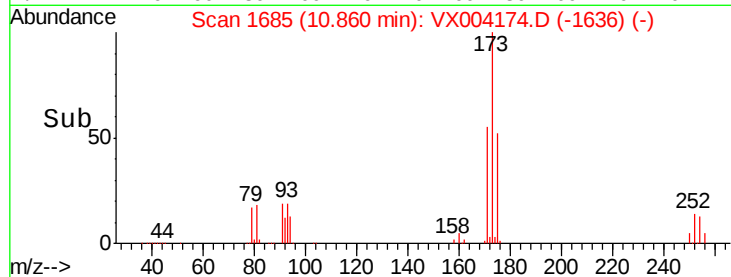
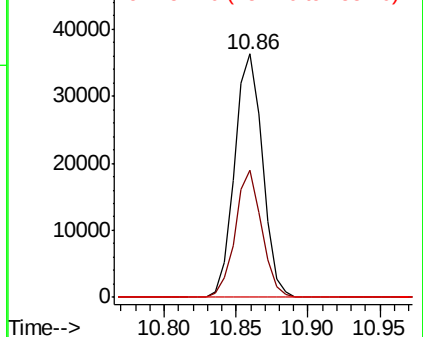
173 100

175 49.7 24.9 74.7

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

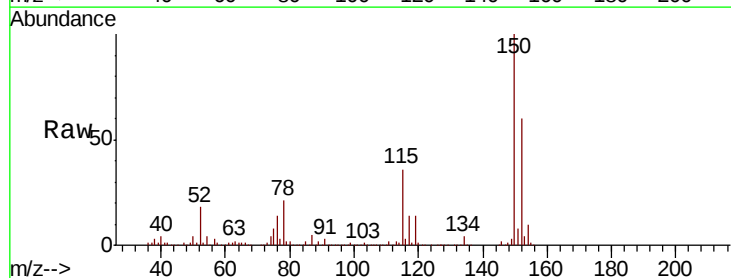
Tgt Ion:152 Resp: 246011

Ion Ratio Lower Upper

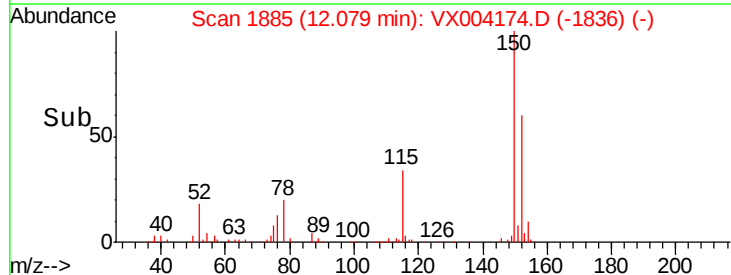
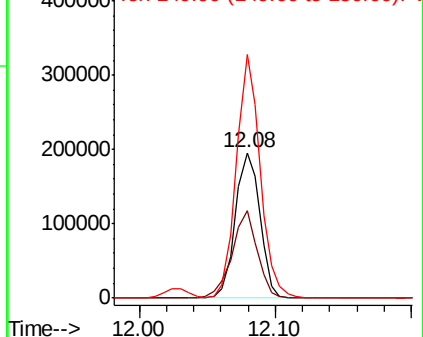
152 100

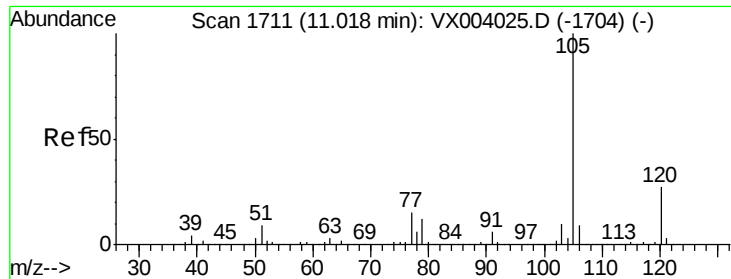
115 61.6 39.1 117.3

150 162.8 0.0 349.2



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: 19.04 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

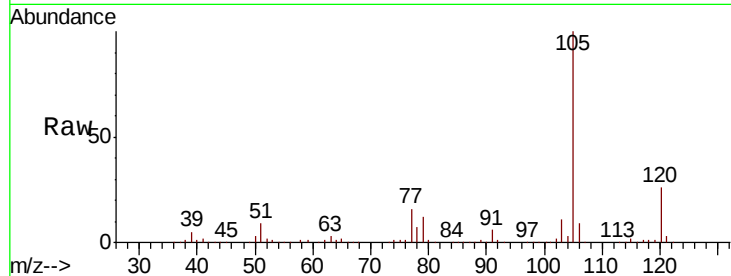
VX0821WBSD01

Tot Ion:105 Resp: 316937

Ion Ratio Lower Upper

105 100

120 27.4 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

250000

200000

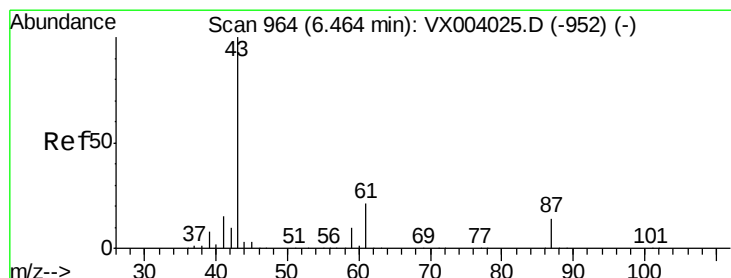
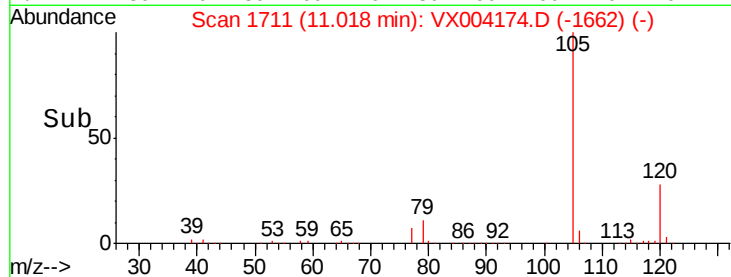
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 19.19 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion: 43 Resp: 150303

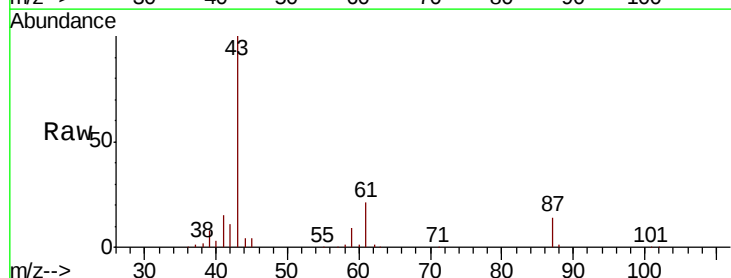
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.1 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.46

80000

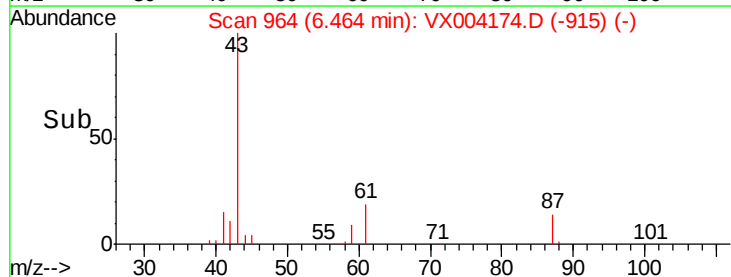
60000

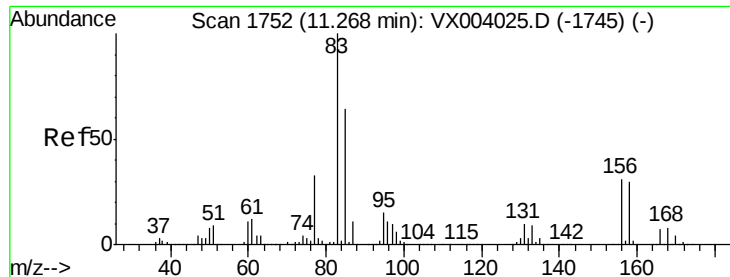
40000

20000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

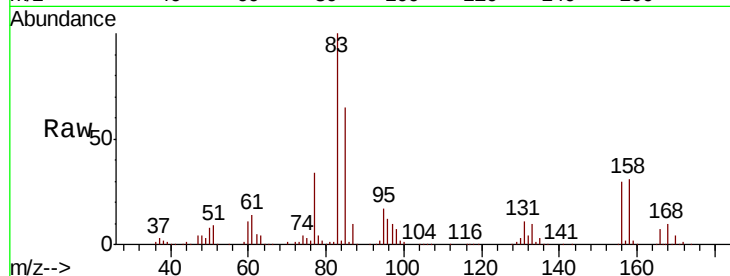
Tot Ion: 83 Resp: 109080

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

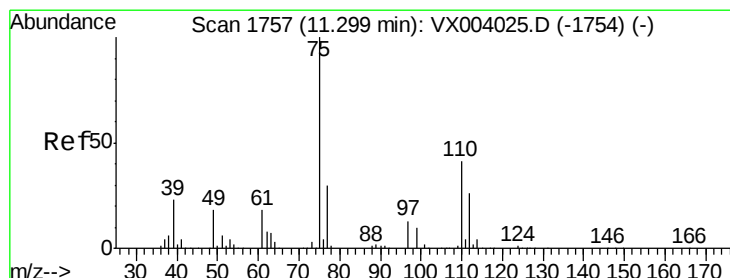
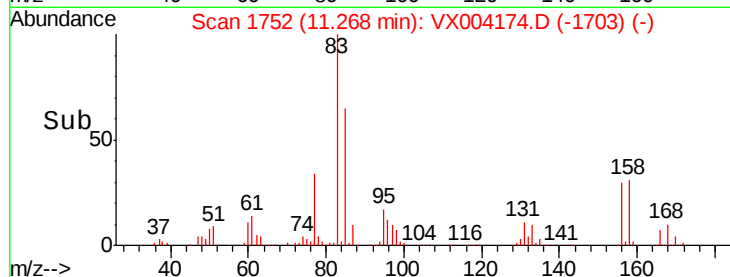
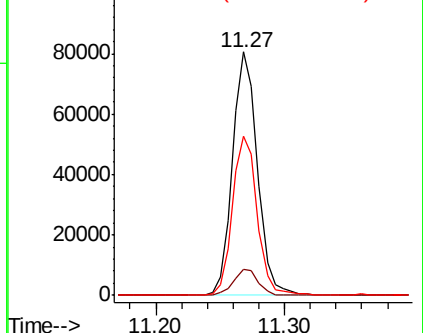
85 65.1 32.2 96.6



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: 24.46 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004174.D

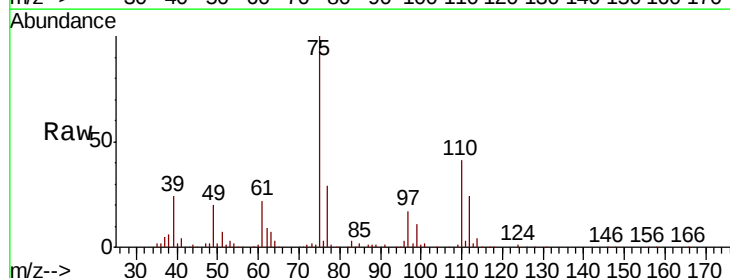
Acq: 21 Aug 2018 14:31

Tgt Ion: 75 Resp: 120655

Ion Ratio Lower Upper

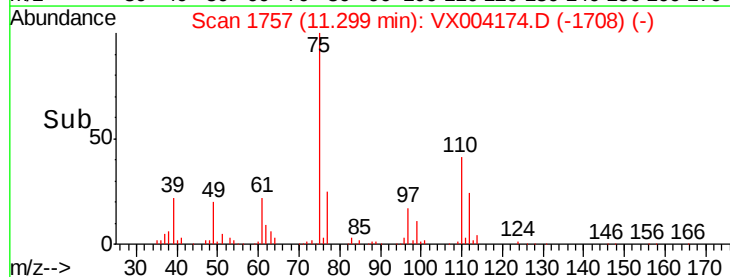
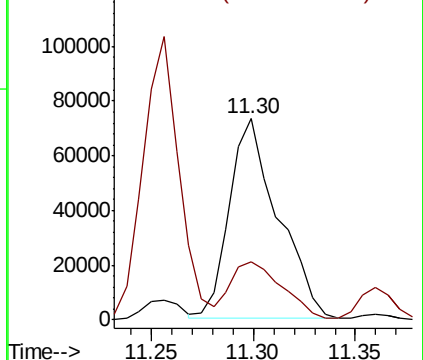
75 100

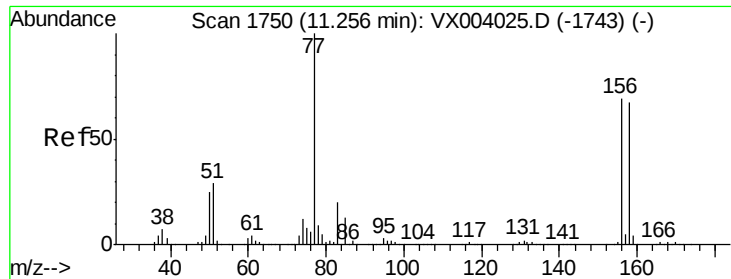
77 31.2 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.38 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

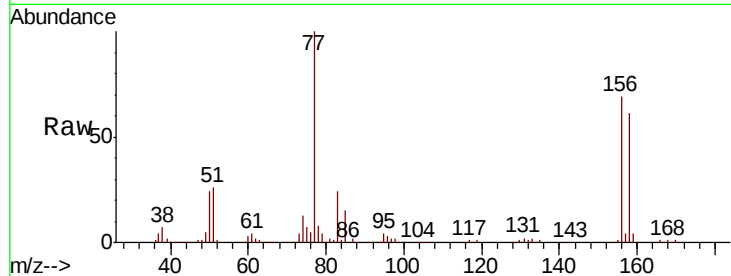
Tot Ion:156 Resp: 88948

Ion Ratio Lower Upper

156 100

77 143.1 74.1 222.2

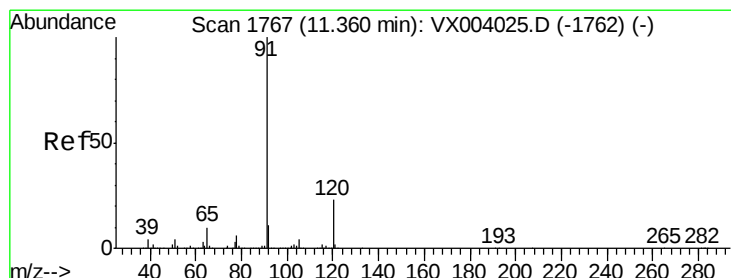
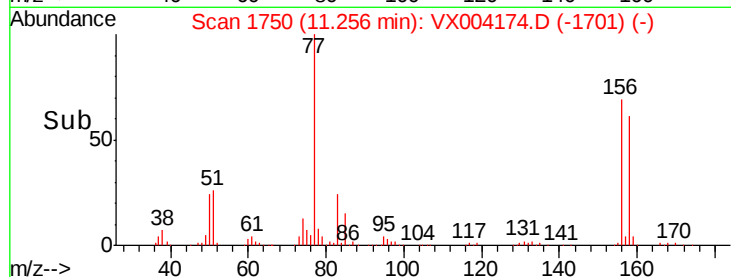
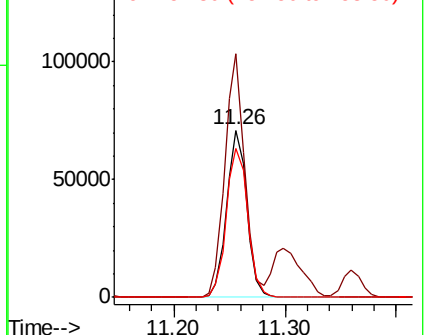
158 94.7 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.02 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004174.D

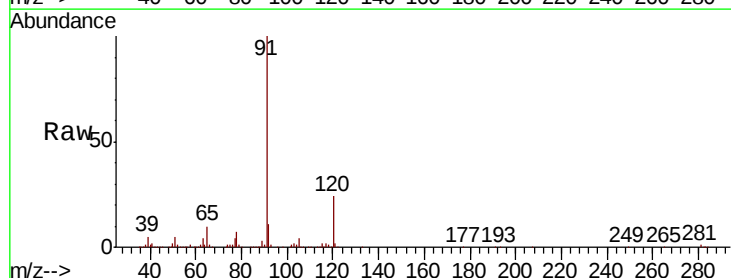
Acq: 21 Aug 2018 14:31

Tgt Ion: 91 Resp: 354354

Ion Ratio Lower Upper

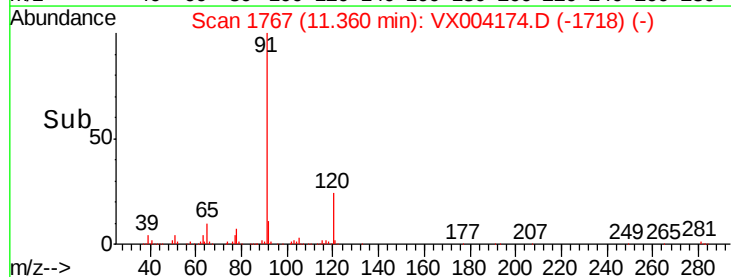
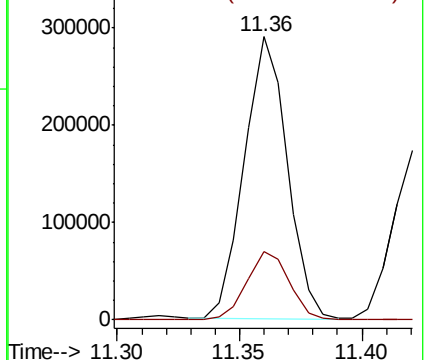
91 100

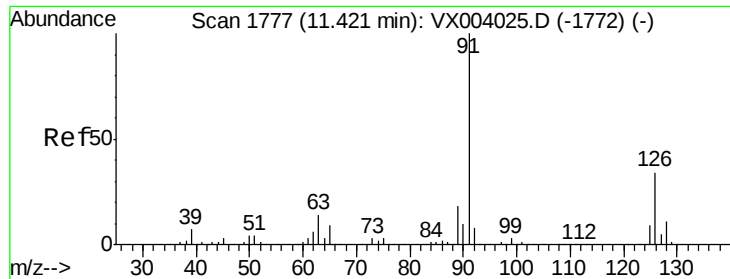
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

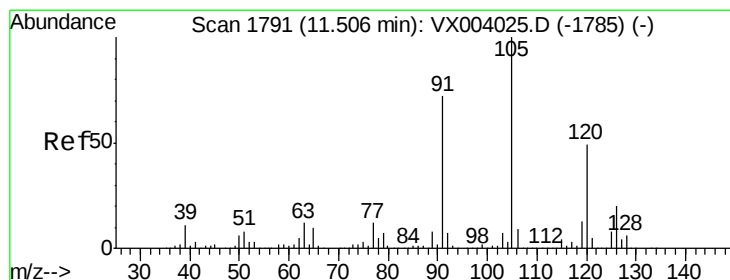
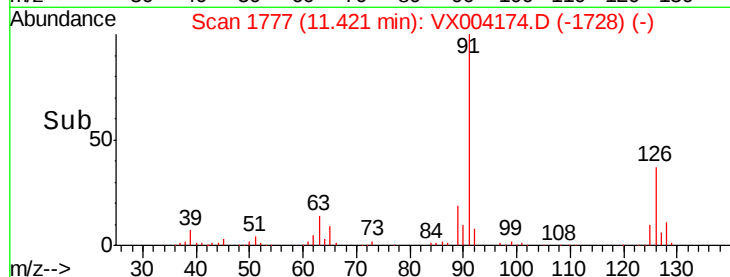
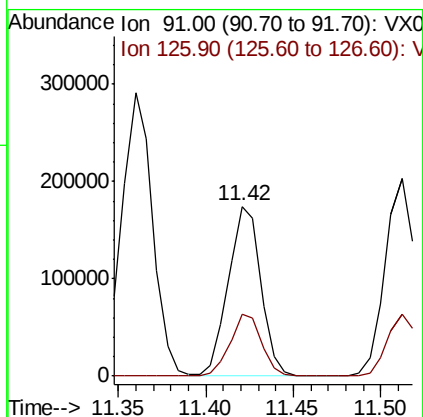
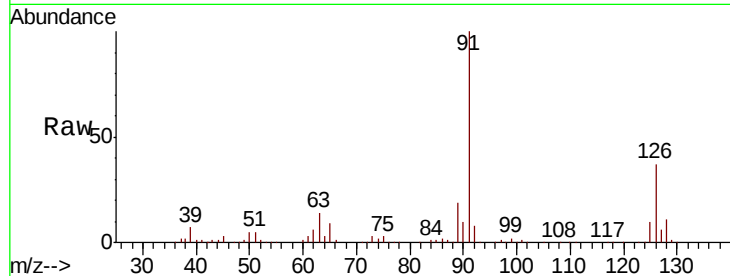




#79
 2-Chlorotoluene
 Concen: 19.77 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

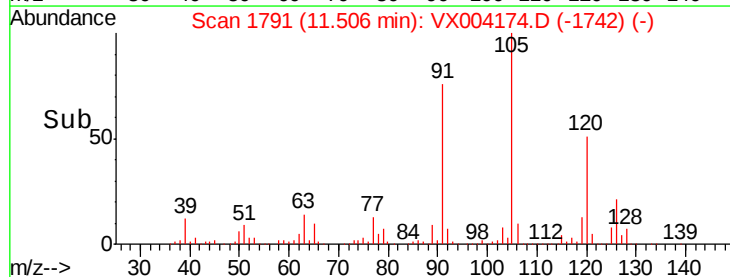
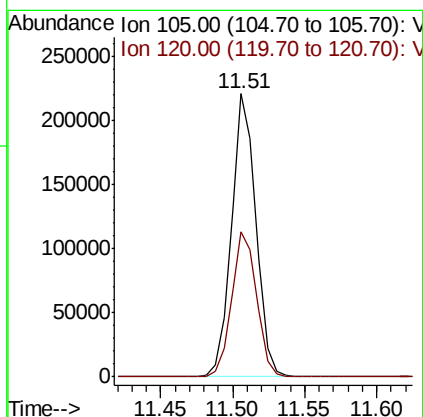
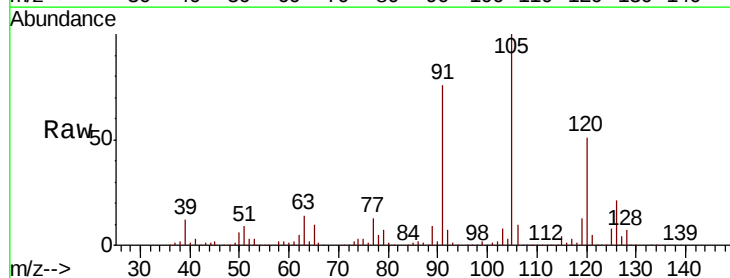
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

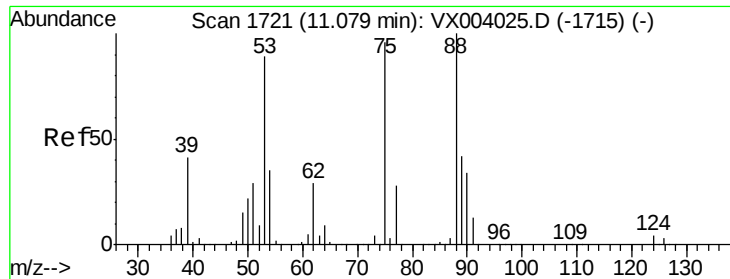
Tot Ion: 91 Resp: 224462
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.23 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion:105 Resp: 262193
 Ion Ratio Lower Upper
 105 100
 120 52.5 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.15 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

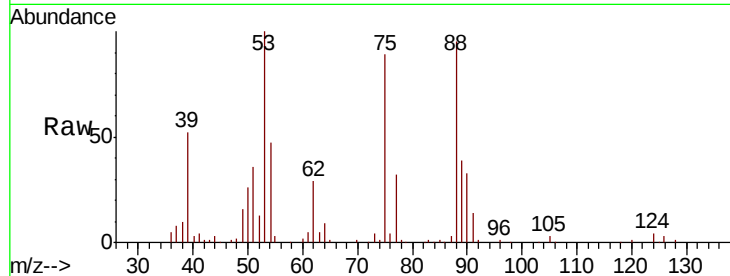
Tot Ion: 75 Resp: 27333

Ion Ratio Lower Upper

75 100

53 108.9 80.3 120.5

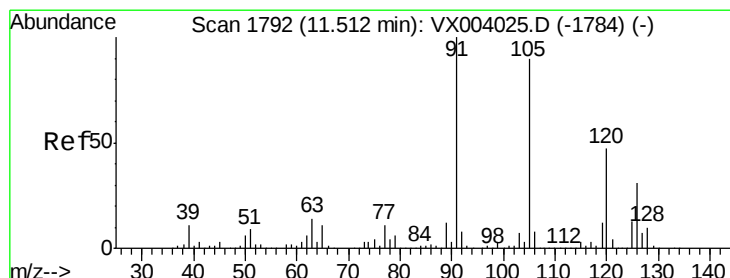
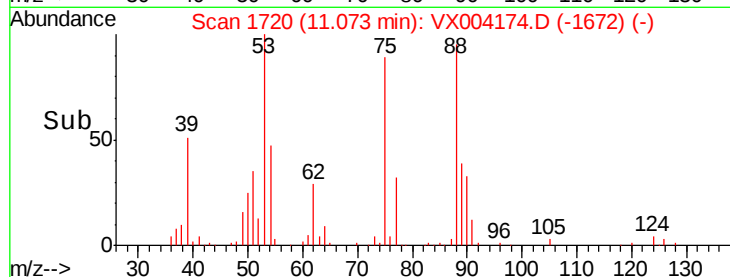
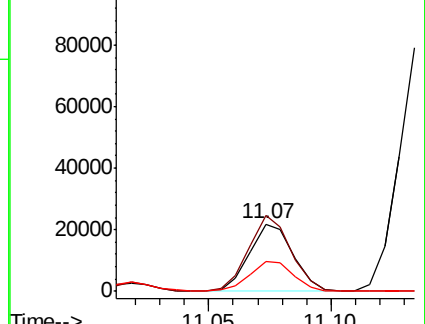
89 44.9 37.8 56.8



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: 18.77 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004174.D

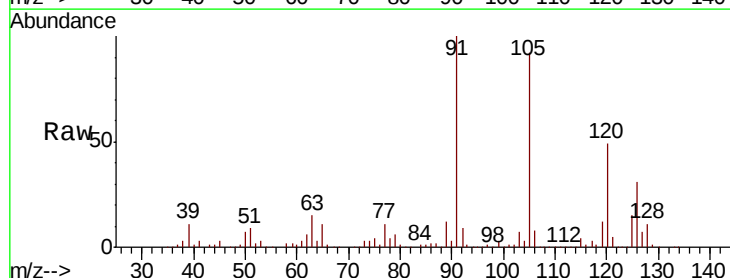
Acq: 21 Aug 2018 14:31

Tgt Ion: 91 Resp: 251858

Ion Ratio Lower Upper

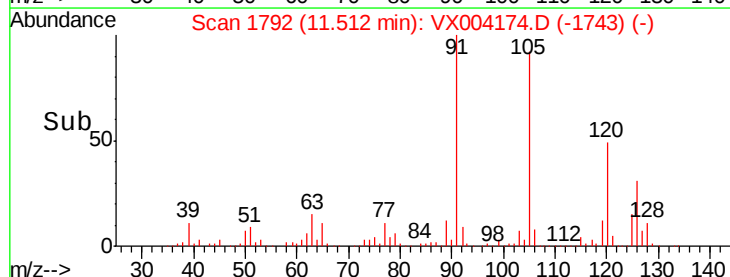
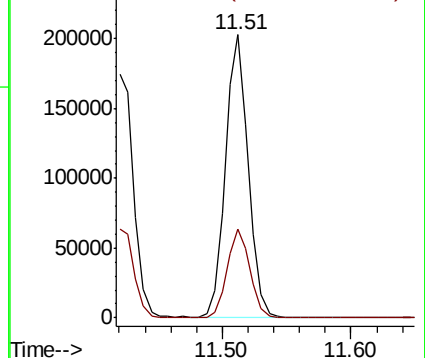
91 100

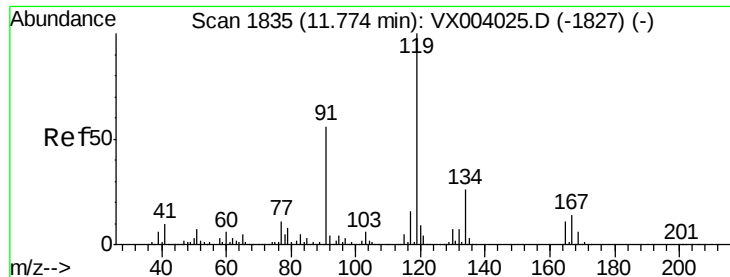
126 31.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

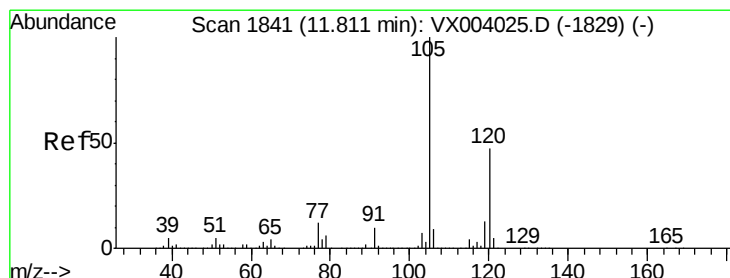
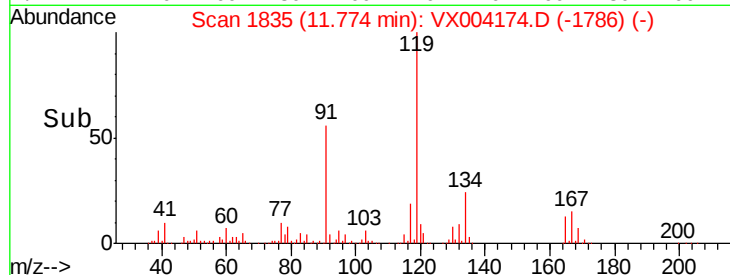
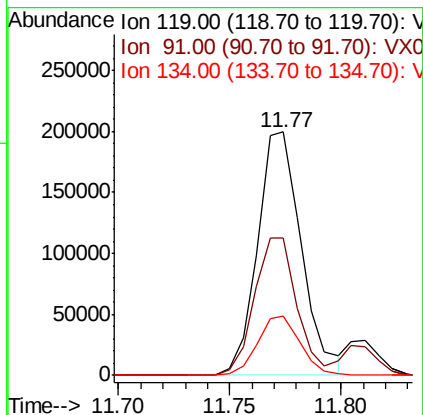
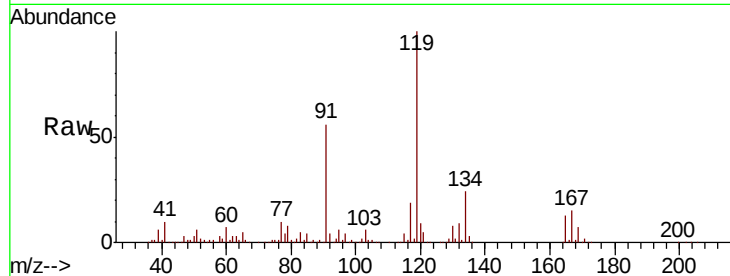




#83
 tert-Butylbenzene
 Concen: 19.96 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

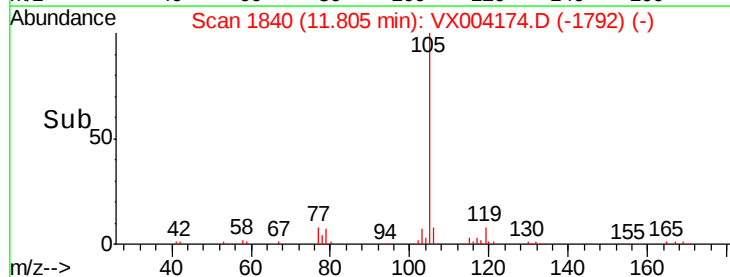
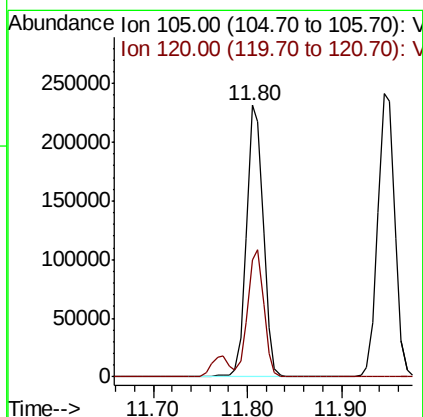
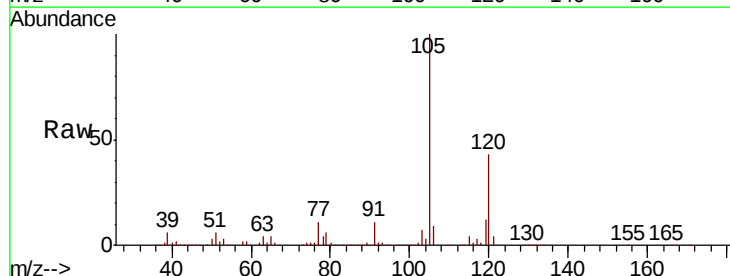
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0821WBSD01

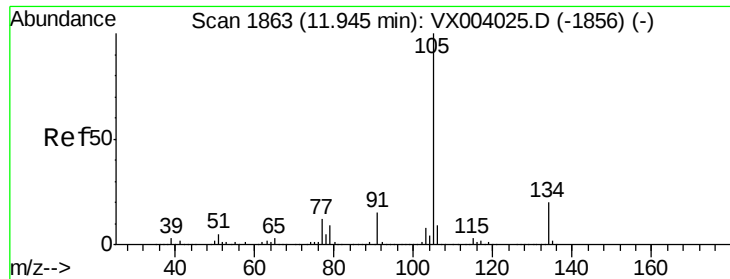
Tot Ion:119 Resp: 274339
 Ion Ratio Lower Upper
 119 100
 91 54.4 26.9 80.7
 134 23.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.38 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion:105 Resp: 287733
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.2

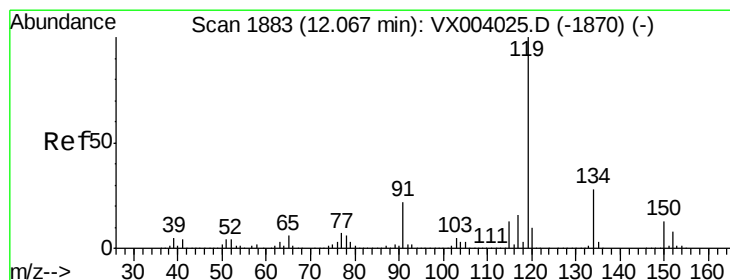
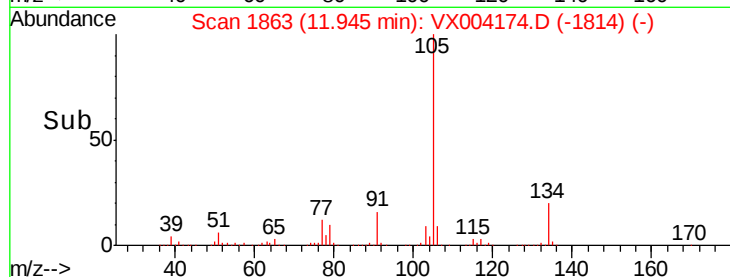
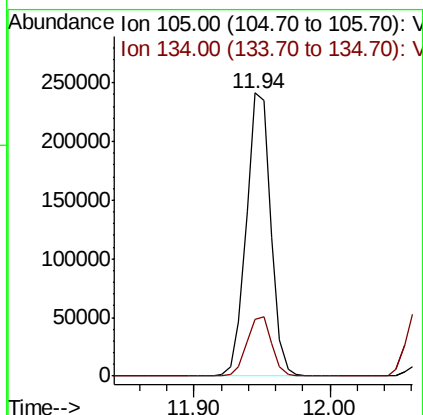
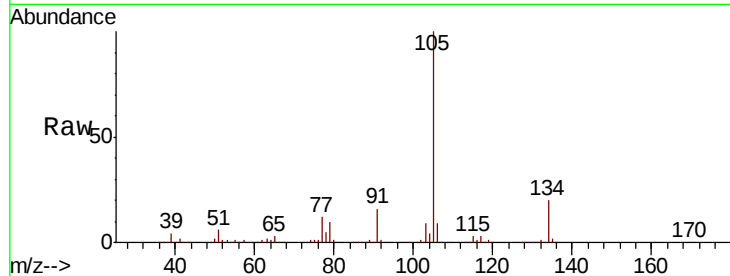




#85
 sec-Butylbenzene
 Concen: 18.88 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

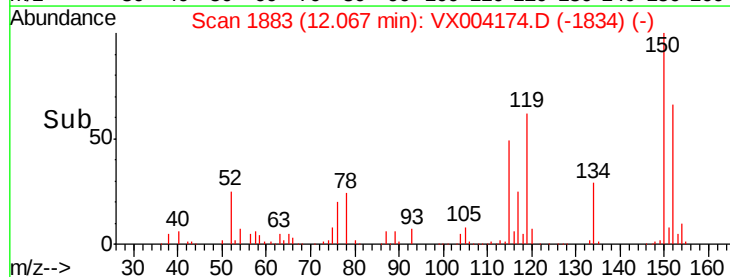
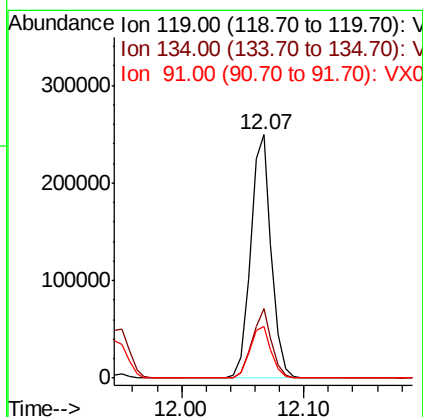
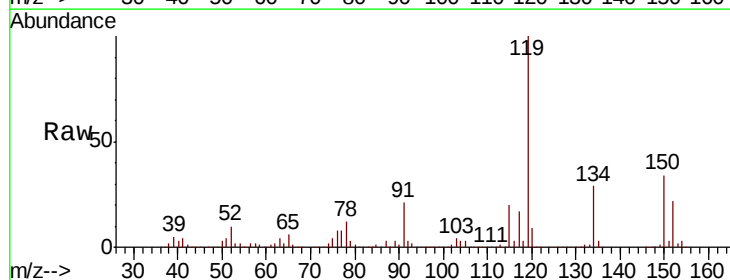
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0821WBSD01

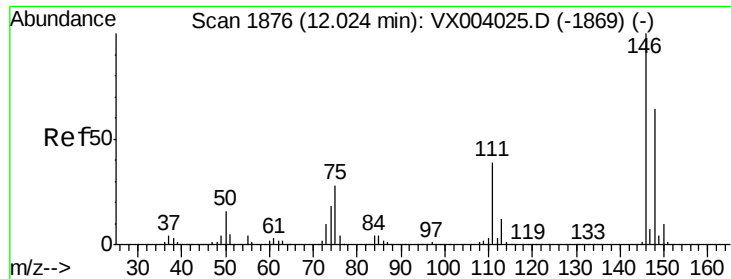
Tot Ion:105 Resp: 303703
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 19.96 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion:119 Resp: 290653
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.3 39.8
 91 22.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 18.16 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

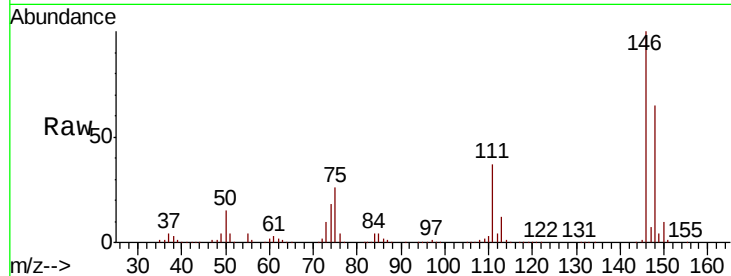
Tot Ion:146 Resp: 158910

Ion Ratio Lower Upper

146 100

111 38.5 18.8 56.4

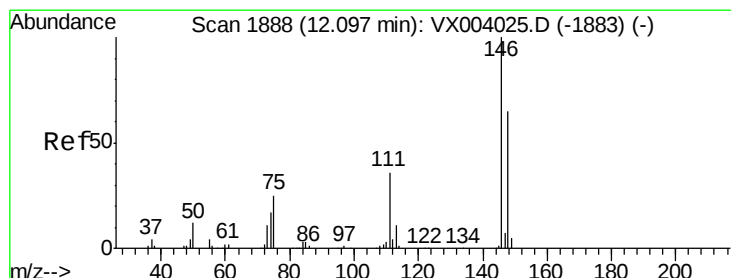
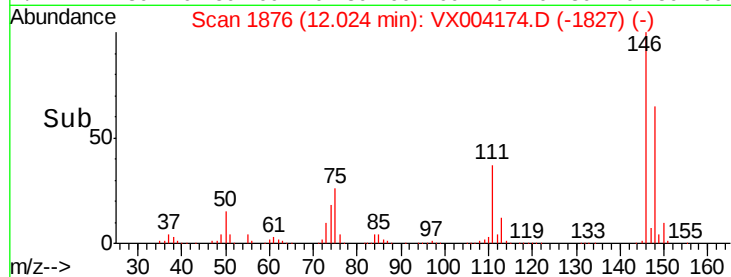
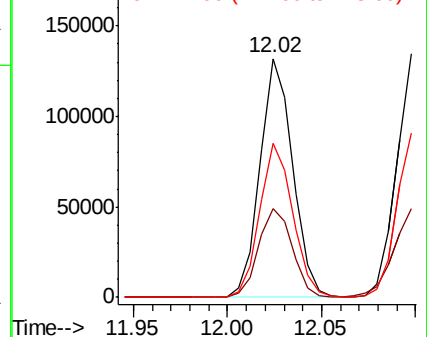
148 65.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.24 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

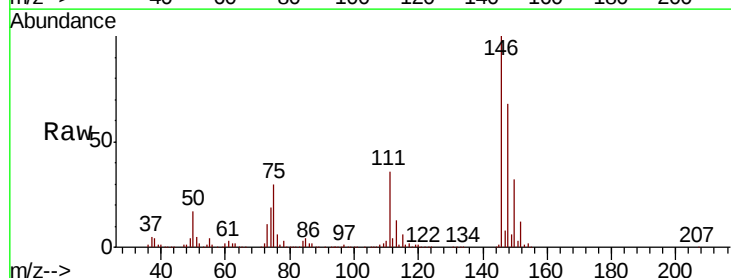
Tgt Ion:146 Resp: 164347

Ion Ratio Lower Upper

146 100

111 38.4 18.4 55.0

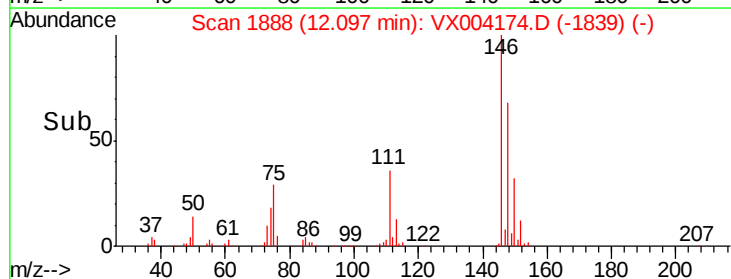
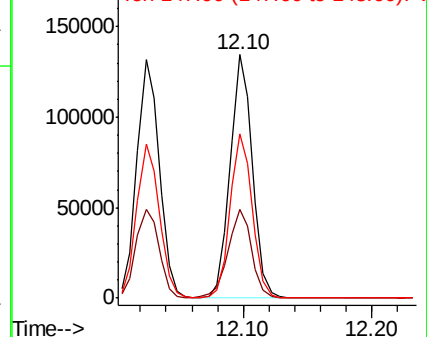
148 66.9 32.3 96.8

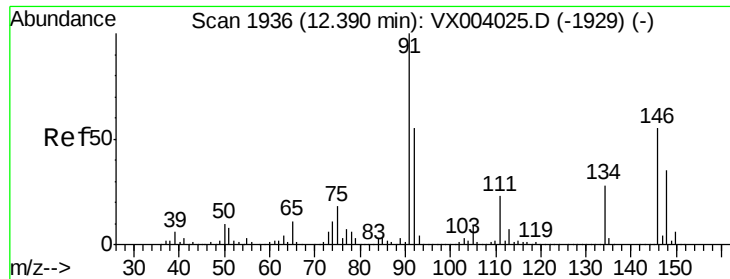


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

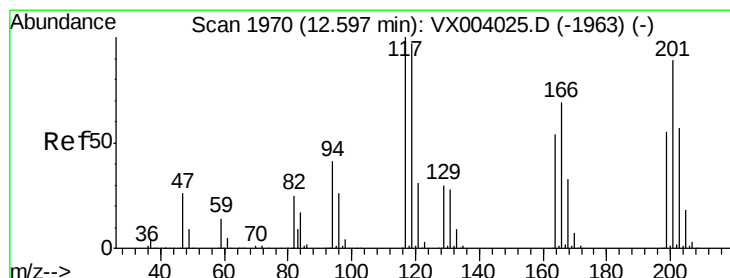
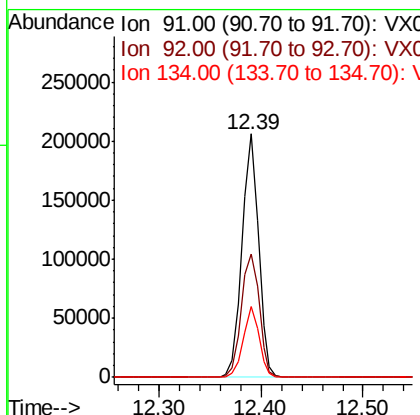
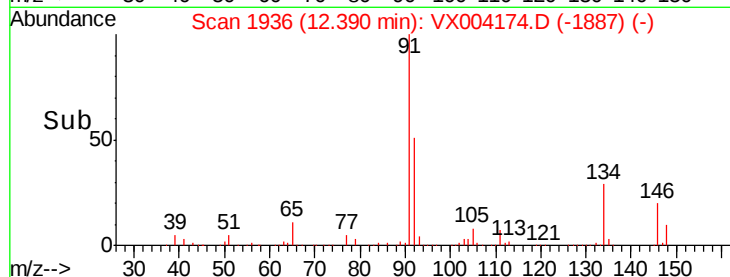
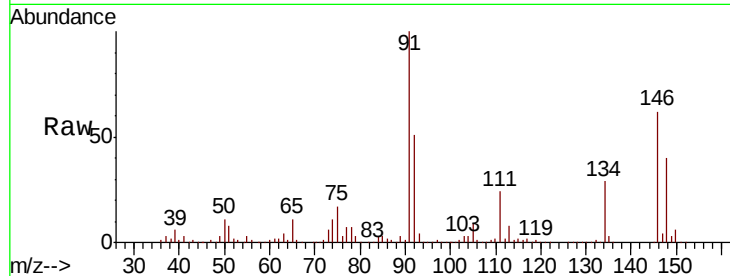




#89
n-Butylbenzene
Concen: 20.02 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

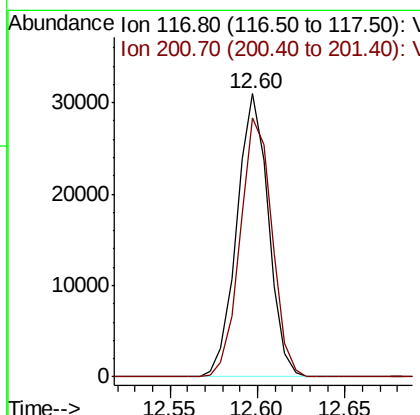
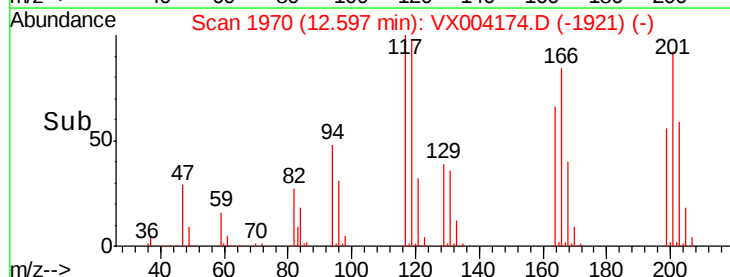
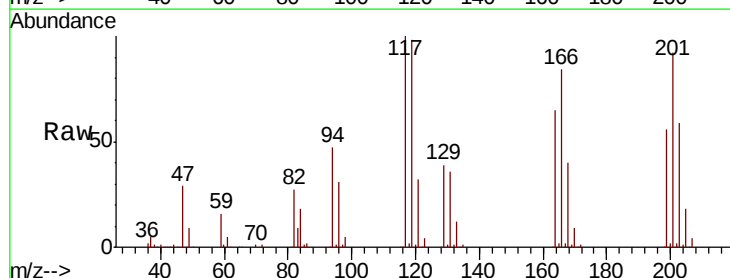
Instrument :
MSVOA_X
ClientSampleID :
VX0821WBSD01

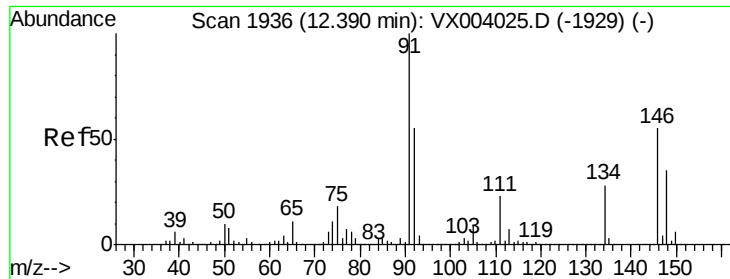
Tot Ion: 91 Resp: 229795
Ion Ratio Lower Upper
91 100
92 54.8 27.1 81.3
134 27.8 13.6 40.7



#90
Hexachloroethane
Concen: 17.81 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 117 Resp: 38803
Ion Ratio Lower Upper
117 100
201 92.4 46.1 138.2

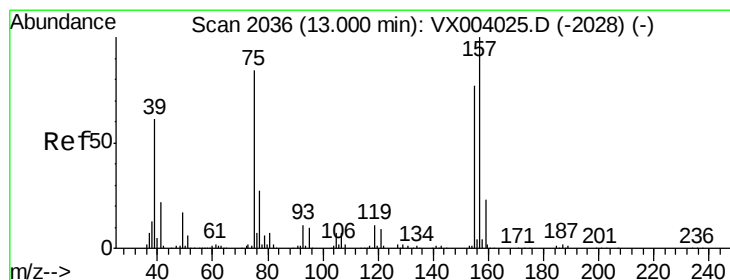
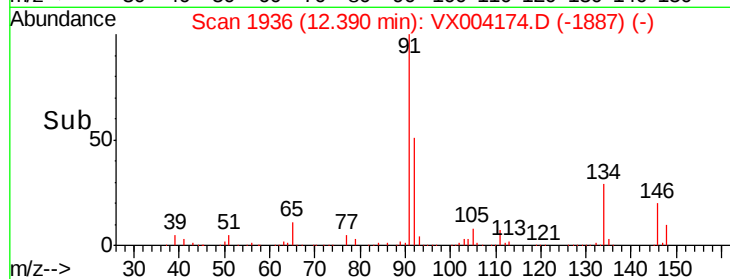
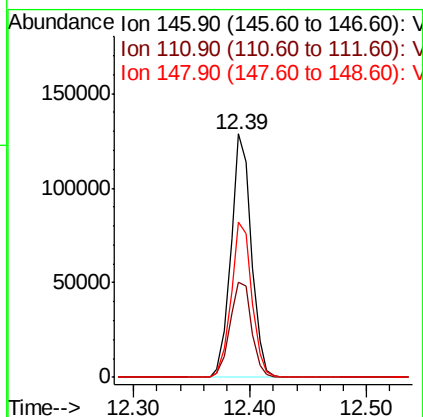
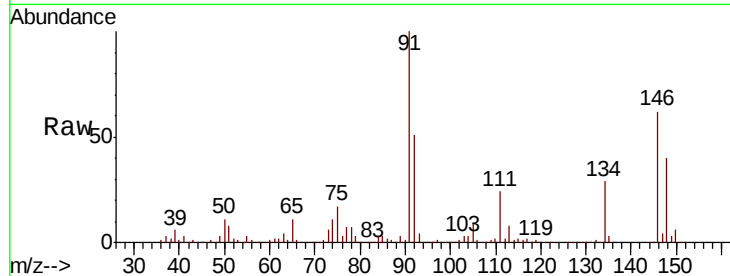




#91
 1,2-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

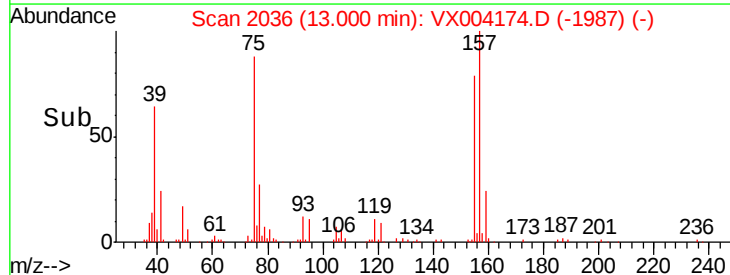
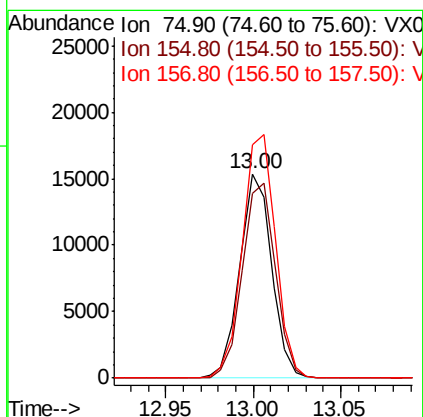
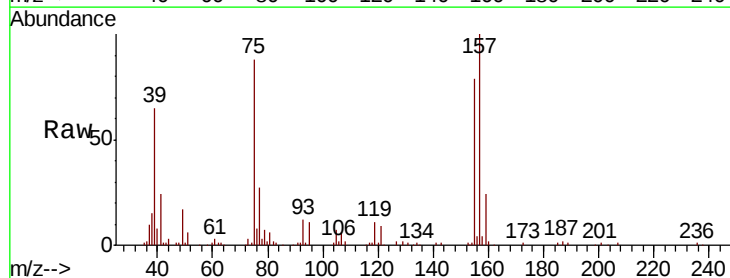
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

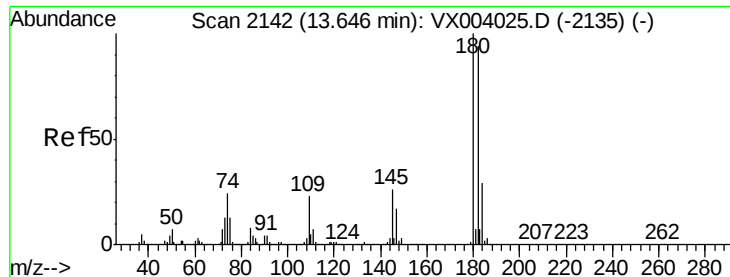
Tot Ion:146 Resp: 156417
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.7 59.0
 148 64.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.09 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 75 Resp: 19503
 Ion Ratio Lower Upper
 75 100
 155 99.0 48.7 146.1
 157 123.8 62.6 187.8

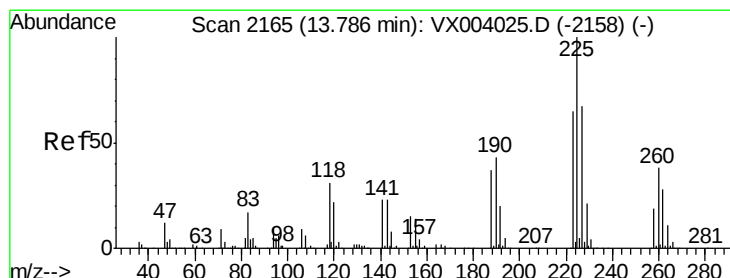
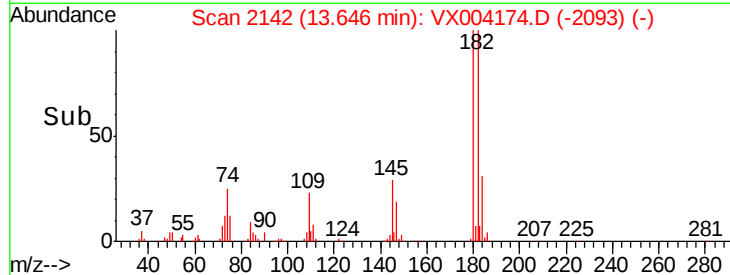
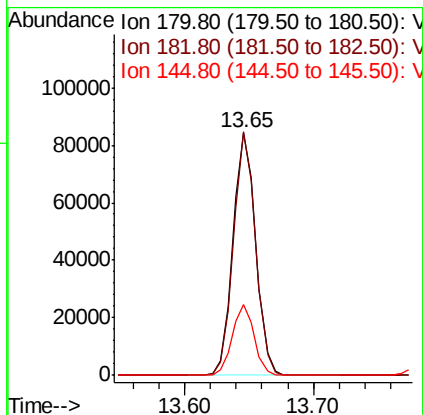
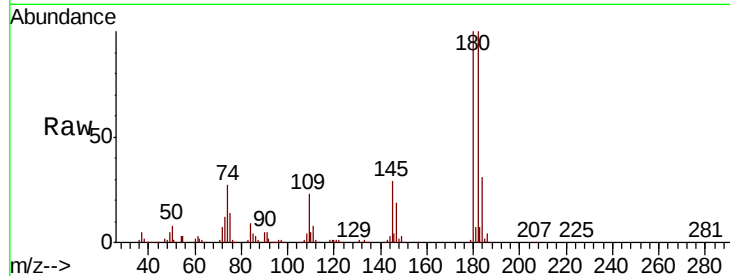




#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

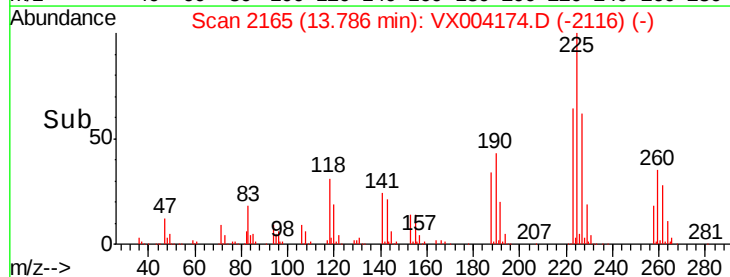
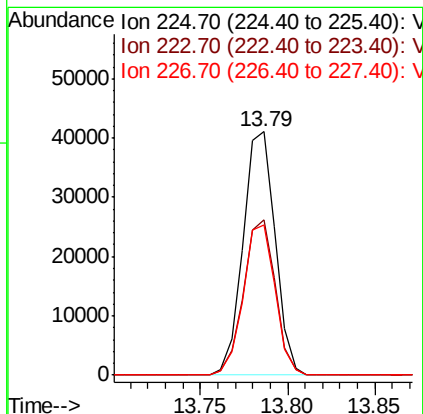
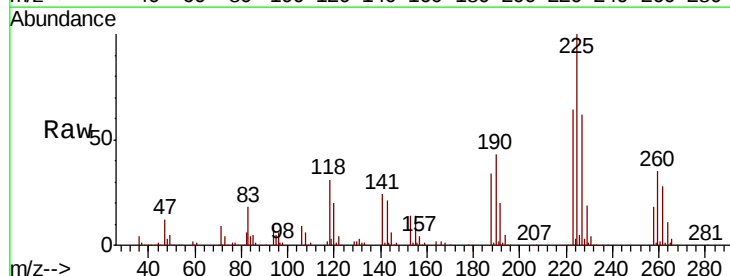
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

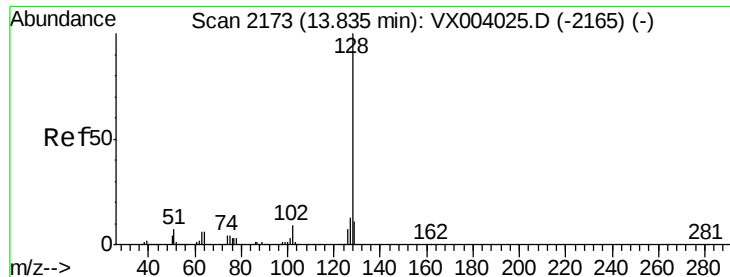
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.7	143.1
145	28.1	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 19.40 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.0
227	61.3	32.1	96.5

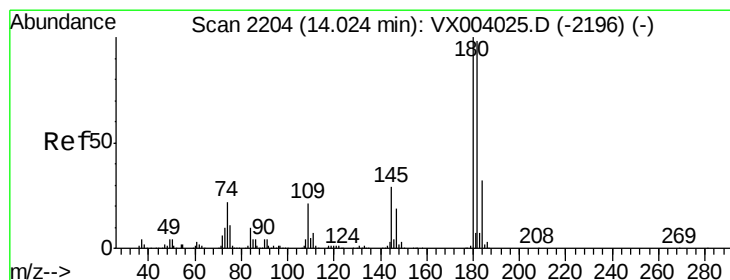
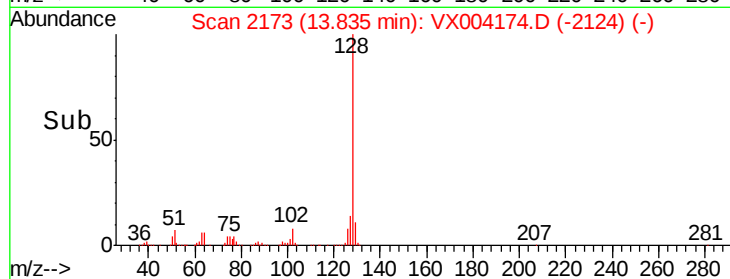
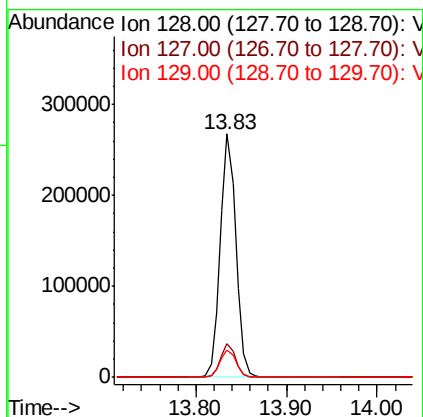
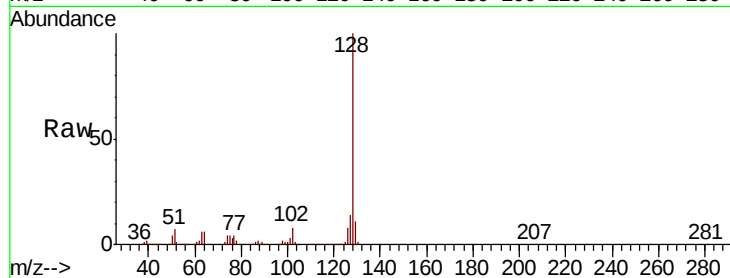




#95
Naphthalene
Concen: 19.52 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampled :
VX0821WBSD01

Tot Ion:128 Resp: 323403
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.31 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion:180 Resp: 119475
Ion Ratio Lower Upper
180 100
182 98.7 48.1 144.4
145 30.3 14.9 44.7

