

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004819.D
 Acq On : 28 Sep 2018 14:18
 Operator : JC/MD
 Sample : VX0928WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Quant Time: Sep 29 06:23:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375154	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212641	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	175333	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	5.50	113	140475	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	
50) Toluene-d8	8.72	98	539028	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.14	95	196734	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	77297	22.874	ug/l	99
3) Chloromethane	1.32	50	84803	20.685	ug/l	98
4) Vinyl Chloride	1.40	62	84396	21.948	ug/l	100
5) Bromomethane	1.64	94	41262	18.096	ug/l	99
6) Chloroethane	1.72	64	49118	22.142	ug/l	98
7) Trichlorofluoromethane	1.93	101	106116	22.292	ug/l	98
8) Diethyl Ether	2.19	74	43129	20.855	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	58805	21.686	ug/l	97
10) Methyl Iodide	2.51	142	44528	12.271	ug/l	99
11) Tert butyl alcohol	3.07	59	110523	111.647	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57105	21.265	ug/l	95
13) Acrolein	2.29	56	55121	78.260	ug/l	96
14) Allyl chloride	2.73	41	128009	21.847	ug/l	94
15) Acrylonitrile	3.15	53	232969	106.905	ug/l	99
16) Acetone	2.45	43	212452	102.785	ug/l	97
17) Carbon Disulfide	2.57	76	161316	19.991	ug/l	99
18) Methyl Acetate	2.78	43	118064	22.545	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	205917	22.230	ug/l	96
20) Methylene Chloride	2.85	84	65517	21.319	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	60831	20.693	ug/l	95
22) Diisopropyl ether	3.87	45	210518	21.336	ug/l	93
23) Vinyl Acetate	3.82	43	938595	103.924	ug/l	95
24) 1,1-Dichloroethane	3.70	63	116311	19.762	ug/l	98
25) 2-Butanone	4.70	43	311500	102.240	ug/l	94
26) 2,2-Dichloropropane	4.59	77	85571	20.879	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	66058	20.115	ug/l	94
28) Bromochloromethane	5.02	49	54931	19.819	ug/l	88
29) Tetrahydrofuran	5.16	42	202626	107.002	ug/l	92
30) Chloroform	5.21	83	110421	19.851	ug/l	95
31) Cyclohexane	5.57	56	99863	22.169	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	92934	20.458	ug/l	98
36) 1,1-Dichloropropene	5.80	75	81908	18.882	ug/l	100
37) Ethyl Acetate	4.85	43	109484	19.013	ug/l	98
38) Carbon Tetrachloride	5.78	117	80709	17.699	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93047	21.006	ug/l	94
40) Benzene	6.14	78	250528	18.447	ug/l	99
41) Methacrylonitrile	5.06	41	60994	19.100	ug/l	97
42) 1,2-Dichloroethane	6.20	62	90786	18.910	ug/l	97
43) Isopropyl Acetate	6.46	43	160335	19.292	ug/l	95
44) Trichloroethene	7.21	130	66017	19.774	ug/l	89
45) 1,2-Dichloropropane	7.52	63	68183	20.473	ug/l	99
46) Dibromomethane	7.66	93	42456	20.284	ug/l	96
47) Bromodichloromethane	7.90	83	80494	20.541	ug/l	96
48) Methyl methacrylate	7.78	41	82472	21.862	ug/l	95
49) 1,4-Dioxane	7.76	88	39363	420.011	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	575137	109.904	ug/l	93
52) Toluene	8.79	92	157086	21.050	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87120	19.673	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	98585	21.254	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	64976	19.878	ug/l	96
56) Ethyl methacrylate	9.18	69	97380	20.170	ug/l	95
57) 1,3-Dichloropropane	9.37	76	109187	20.070	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	274679	106.210	ug/l	93
59) 2-Hexanone	9.49	43	450164	103.229	ug/l	93
60) Dibromochloromethane	9.59	129	64043	19.591	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66220	18.916	ug/l	100
64) Tetrachloroethene	9.34	164	62036	17.745	ug/l	98
65) Chlorobenzene	10.14	112	173892	19.091	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	59729	18.652	ug/l	100
67) Ethyl Benzene	10.25	91	286719	19.827	ug/l	96
68) m/p-Xylenes	10.36	106	227682	40.291	ug/l	95
69) o-Xylene	10.70	106	108520	20.908	ug/l	97
70) Styrene	10.71	104	181311	20.018	ug/l	97
71) Bromoform	10.86	173	49659	18.114	ug/l #	97
73) Isopropylbenzene	11.02	105	293312	21.884	ug/l	99
74) N-amyl acetate	10.90	43	138023	19.828	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	104391	19.133	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	117702	24.696	ug/l	88
77) Bromobenzene	11.26	156	78737	20.225	ug/l	97
78) n-propylbenzene	11.36	91	336800	21.901	ug/l	99
79) 2-Chlorotoluene	11.42	91	202424	21.117	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	246978	19.986	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	27852	17.292	ug/l	97
82) 4-Chlorotoluene	11.51	91	239212	21.202	ug/l	98
83) tert-Butylbenzene	11.77	119	239381	21.693	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	254822	19.996	ug/l	98
85) sec-Butylbenzene	11.94	105	293727	21.853	ug/l	98
86) p-Isopropyltoluene	12.07	119	260414	21.384	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	143490	19.739	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	146158	19.477	ug/l	98
89) n-Butylbenzene	12.39	91	228143	20.628	ug/l	96
90) Hexachloroethane	12.60	117	39551	19.507	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	144138	18.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24195	20.197	ug/l	95

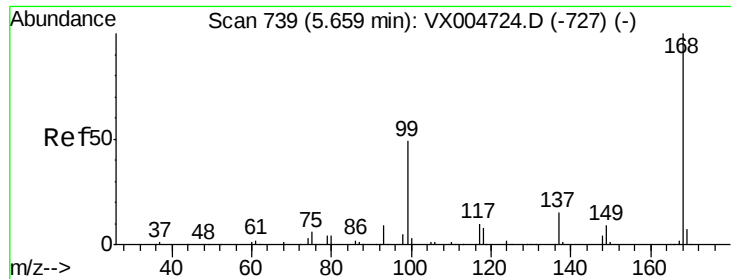
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103375	19.398	ug/l	100
94) Hexachlorobutadiene	13.79	225	51260	18.550	ug/l	96
95) Naphthalene	13.83	128	327824	18.987	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	107749	19.573	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

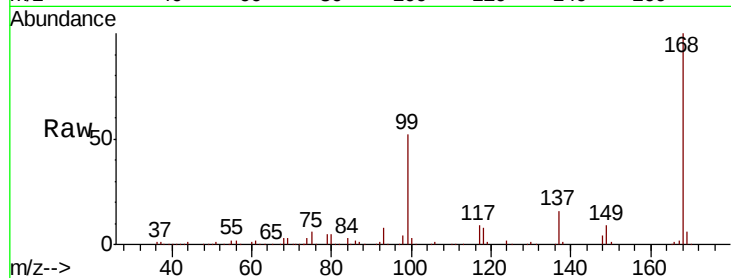
VX0928WBSD01

Tot Ion:168 Resp: 247841

Ion Ratio Lower Upper

168 100

99 51.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

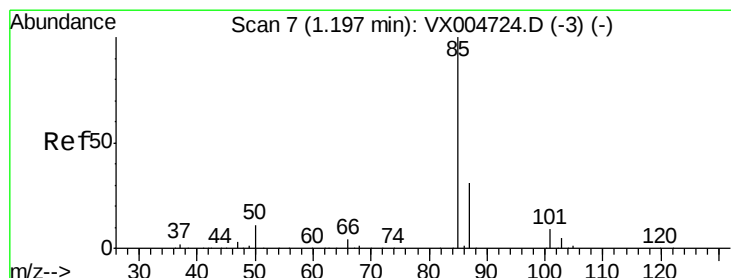
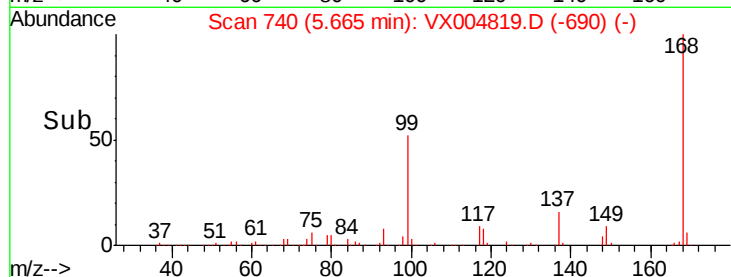
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.874 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004819.D

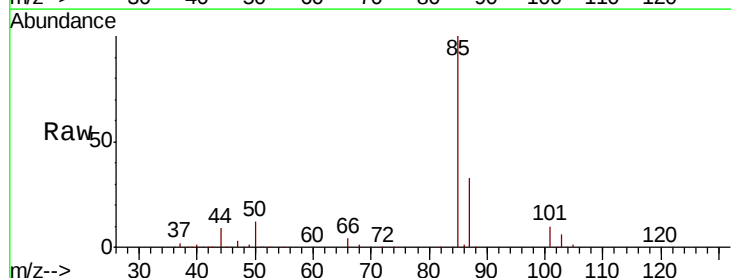
Acq: 28 Sep 2018 14:18

Tgt Ion: 85 Resp: 77297

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

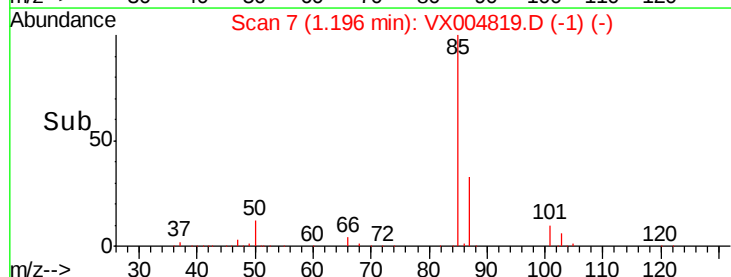
40000

20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.685 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

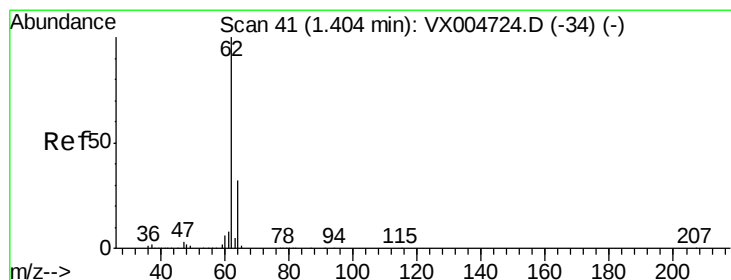
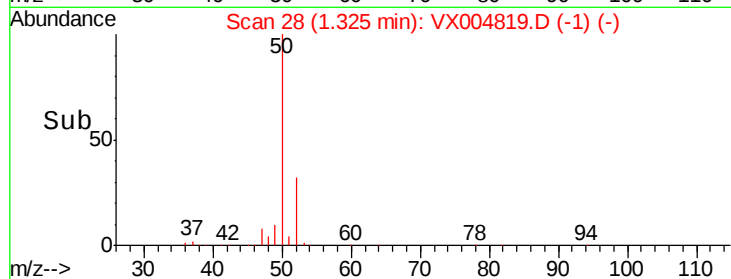
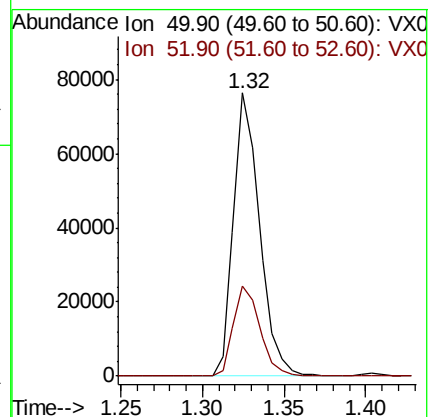
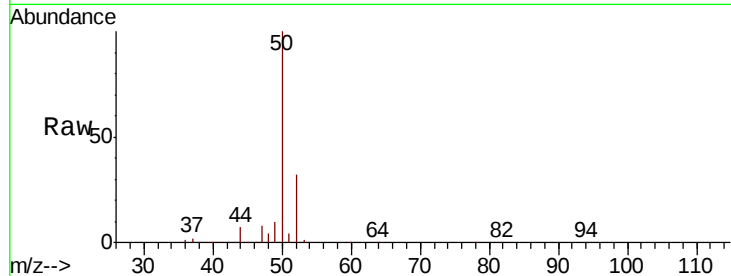
VX0928WBSD01

Tot Ion: 50 Resp: 84803

Ion Ratio Lower Upper

50 100

52 31.7 26.2 39.2



#4

Vinyl Chloride

Concen: 21.948 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004819.D

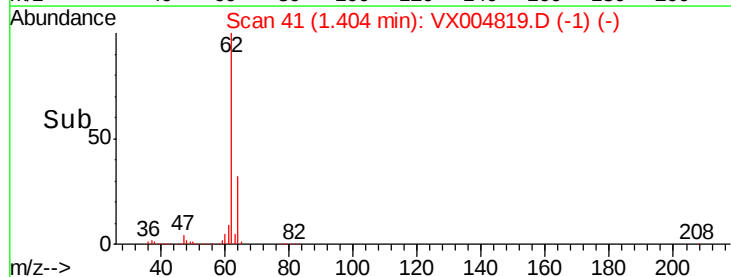
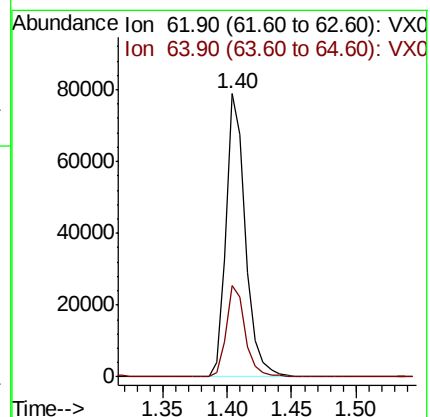
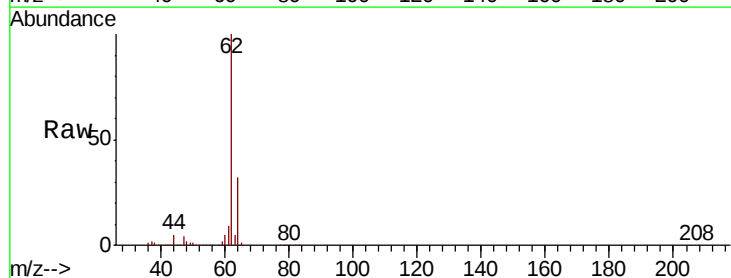
Acq: 28 Sep 2018 14:18

Tgt Ion: 62 Resp: 84396

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 18.096 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

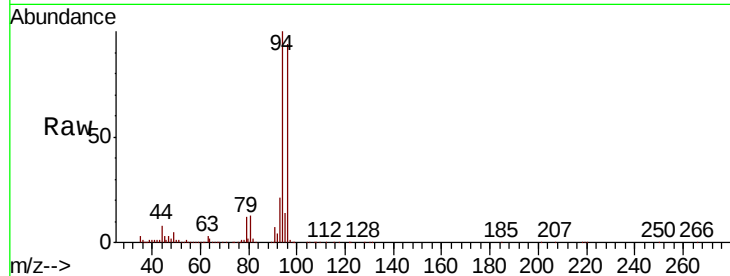
VX0928WBSD01

Tot Ion: 94 Resp: 41262

Ion Ratio Lower Upper

94 100

96 94.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

20000

10000

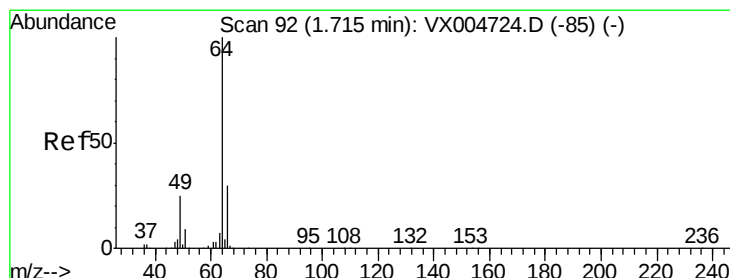
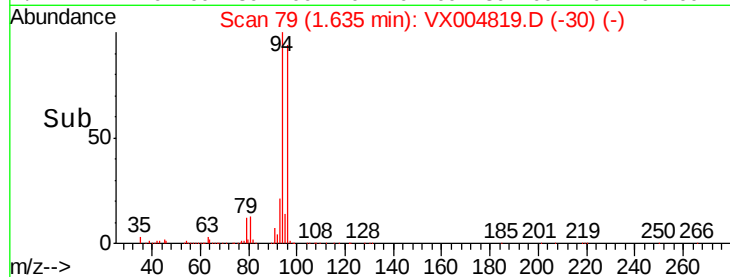
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Time-->

1.50

1.60

1.70



#6

Chloroethane

Concen: 22.142 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004819.D

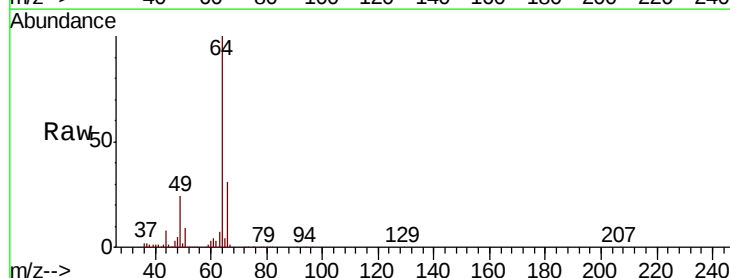
Acq: 28 Sep 2018 14:18

Tgt Ion: 64 Resp: 49118

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

20000

10000

0

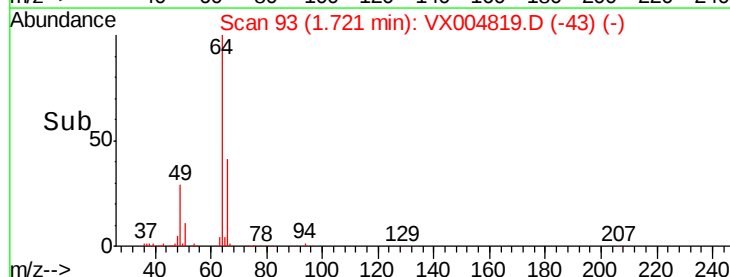
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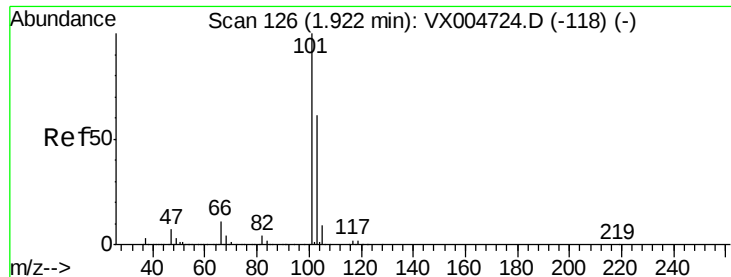
1.65

1.70

1.75

1.80



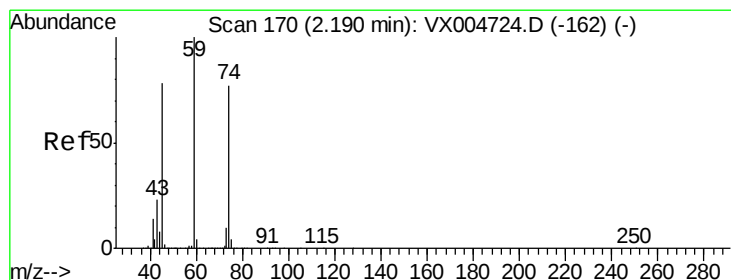
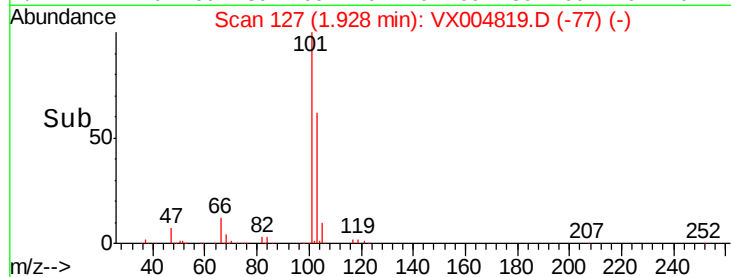
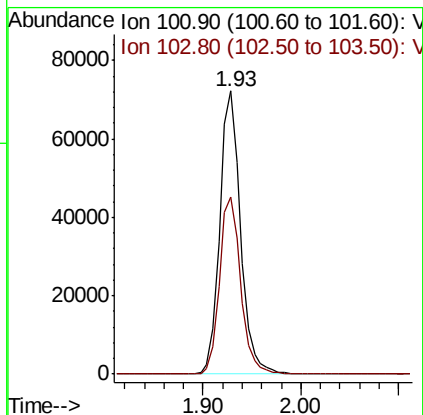
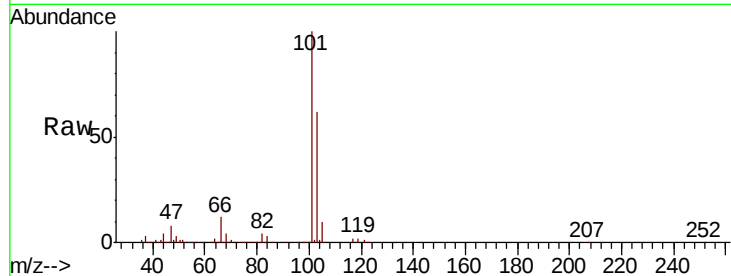


#7

Trichlorofluoromethane
 Concen: 22.292 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
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 VX0928WBSD01

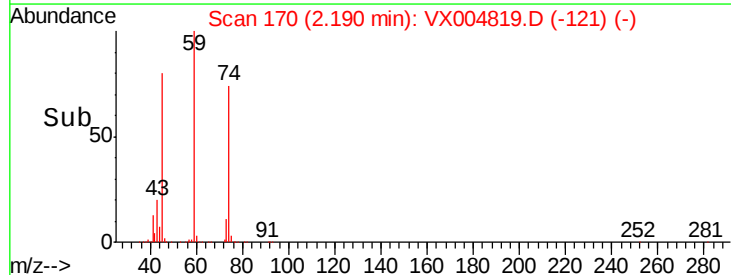
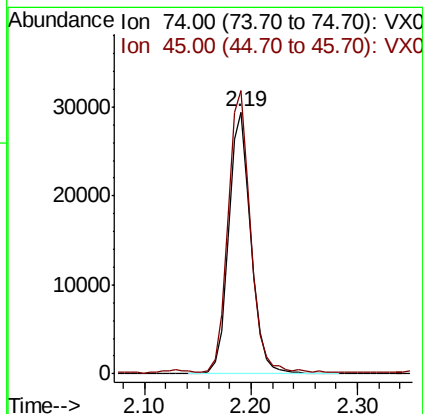
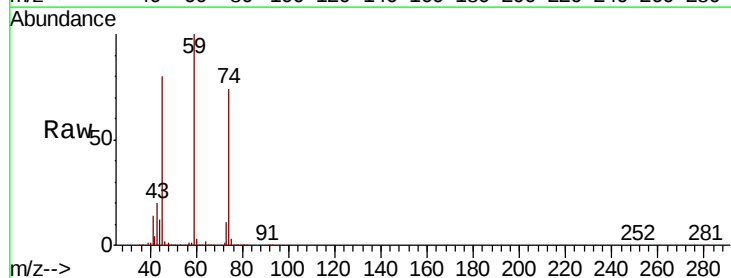
Tot Ion:101 Resp: 106116
 Ion Ratio Lower Upper
 101 100
 103 62.4 48.9 73.3

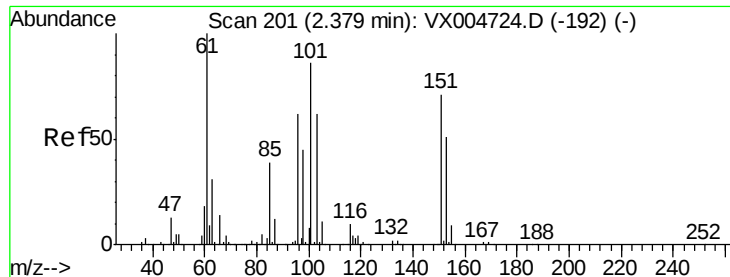


#8

Diethyl Ether
 Concen: 20.855 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion: 74 Resp: 43129
 Ion Ratio Lower Upper
 74 100
 45 107.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.686 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

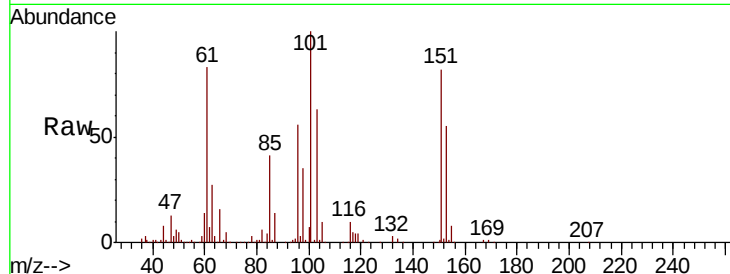
Tot Ion:101 Resp: 58805

Ion Ratio Lower Upper

101 100

85 44.7 34.2 51.4

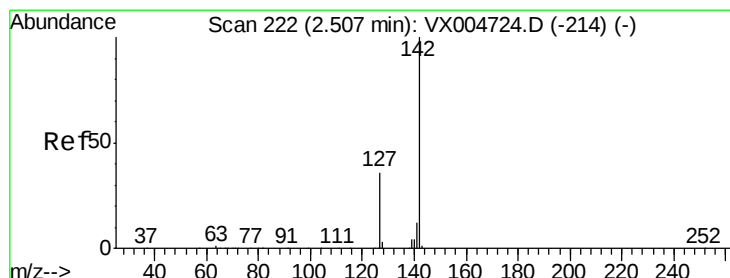
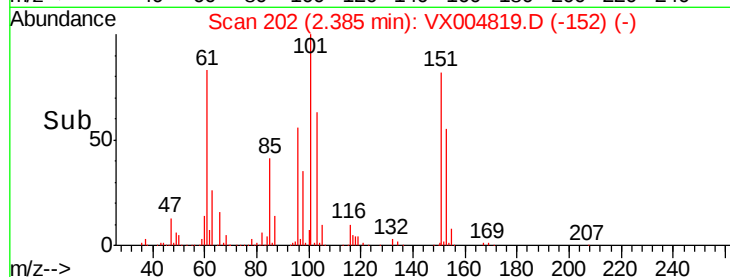
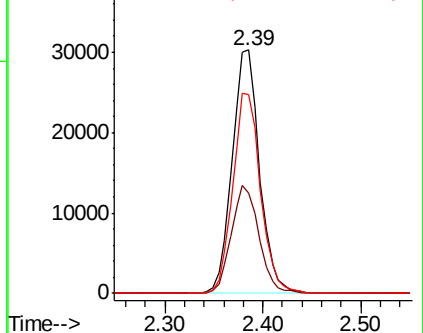
151 83.3 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.271 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

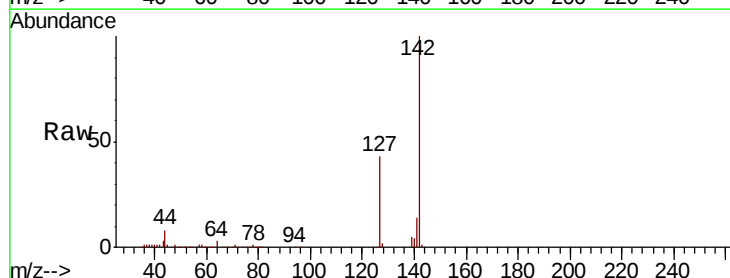
Tgt Ion:142 Resp: 44528

Ion Ratio Lower Upper

142 100

127 43.1 33.8 50.6

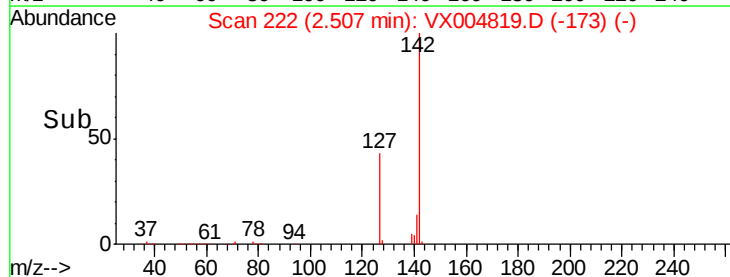
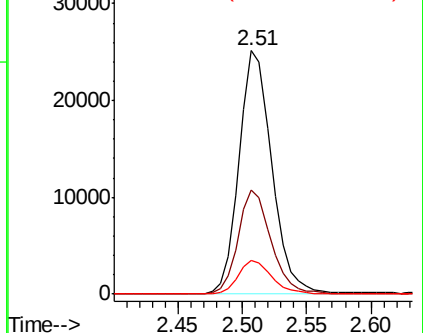
141 14.1 11.4 17.0

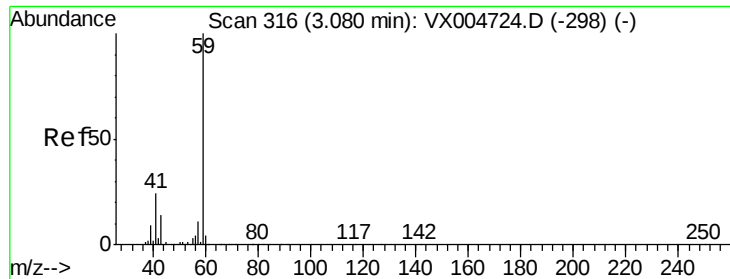


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



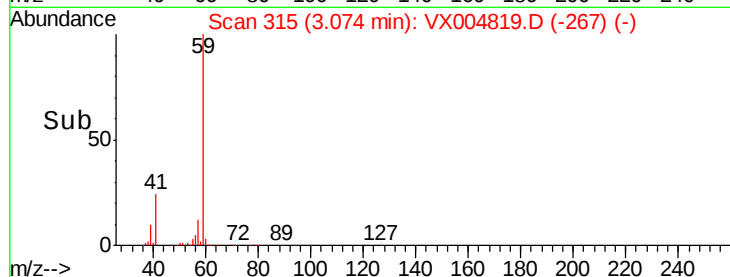
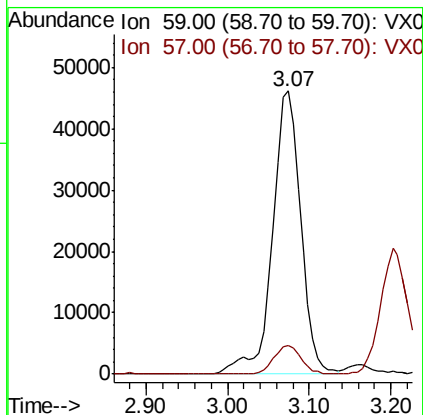
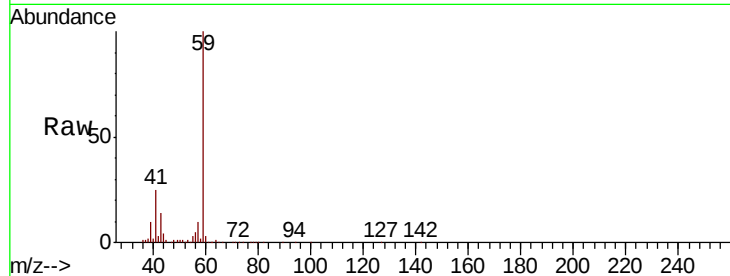


#11

Tert butyl alcohol
Concen: 111.647 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VX0928WBSD01

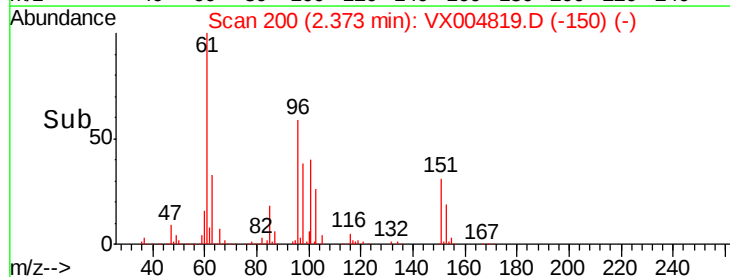
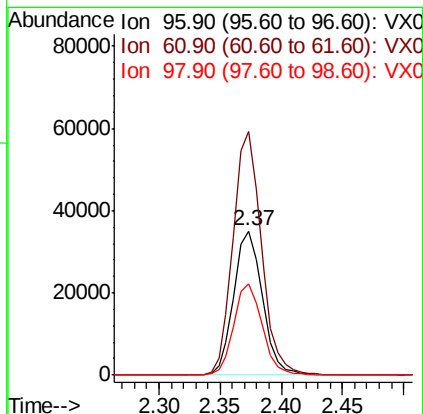
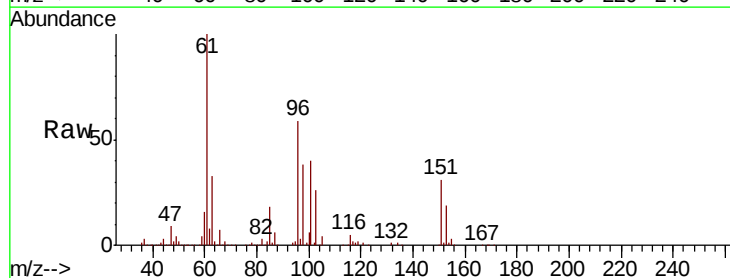
Tot Ion: 59 Resp: 110523
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12

1,1-Dichloroethene
Concen: 21.265 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 96 Resp: 57105
Ion Ratio Lower Upper
96 100
61 168.5 128.8 193.2
98 63.5 52.2 78.2





#13

Acrolein

Concen: 78.260 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

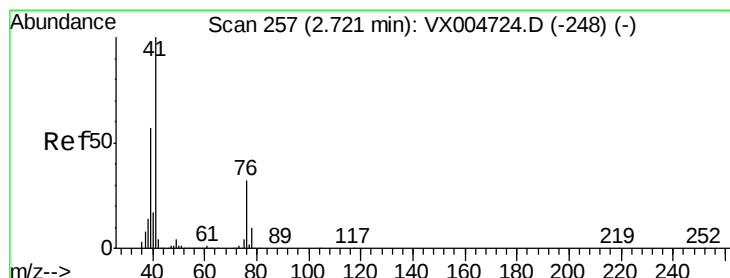
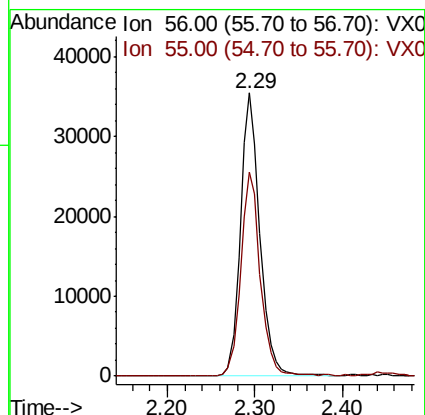
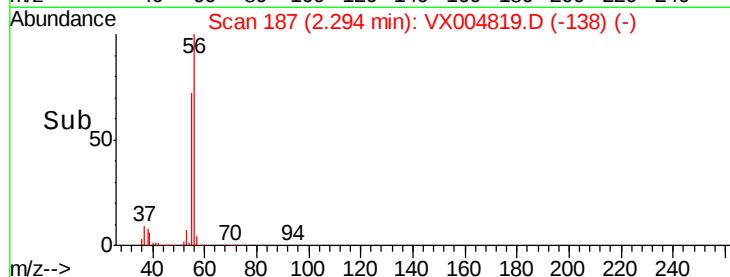
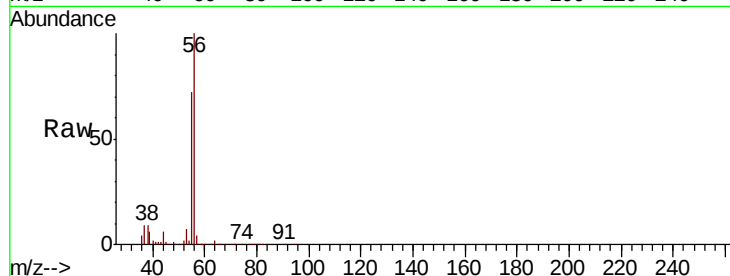
VX0928WBSD01

Tot Ion: 56 Resp: 55121

Ion Ratio Lower Upper

56 100

55 71.2 54.7 82.1



#14

Allyl chloride

Concen: 21.847 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

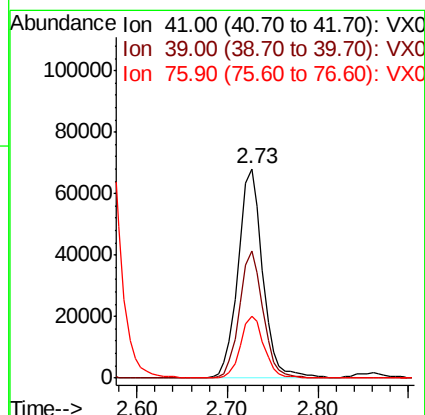
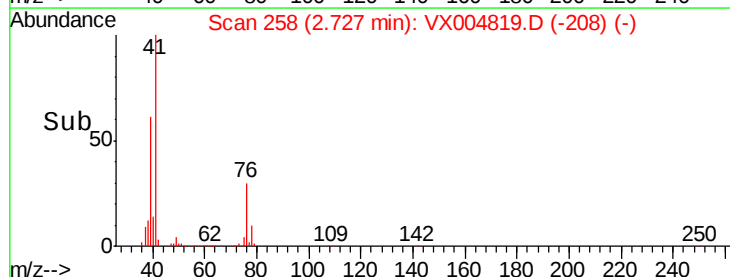
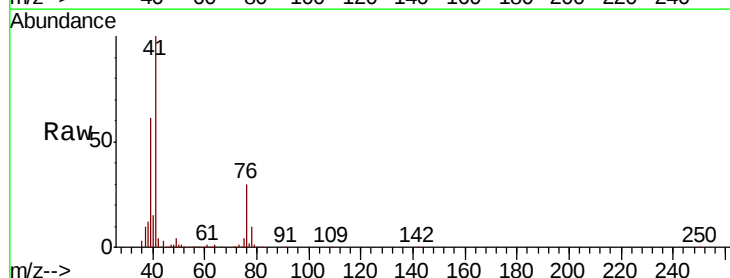
Tgt Ion: 41 Resp: 128009

Ion Ratio Lower Upper

41 100

39 58.1 48.9 73.3

76 28.6 26.7 40.1





#15

Acrylonitrile

Concen: 106.905 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

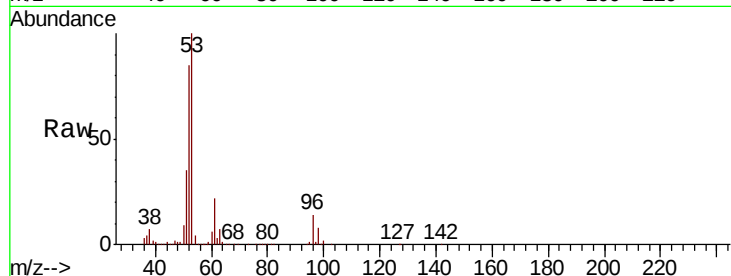
Tot Ion: 53 Resp: 232969

Ion Ratio Lower Upper

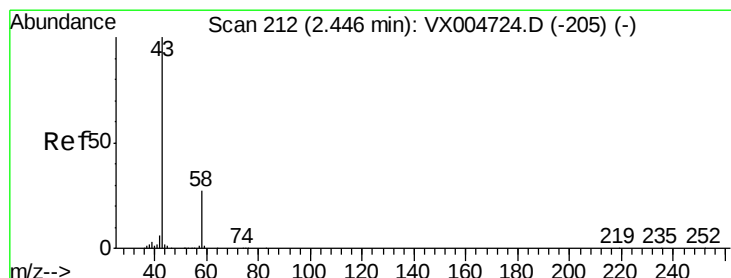
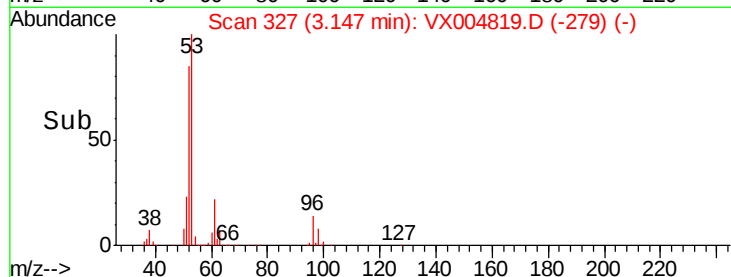
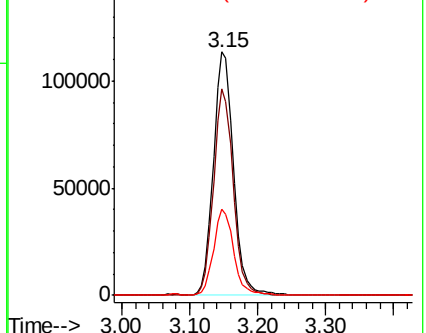
53 100

52 82.5 65.2 97.8

51 35.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 102.785 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004819.D

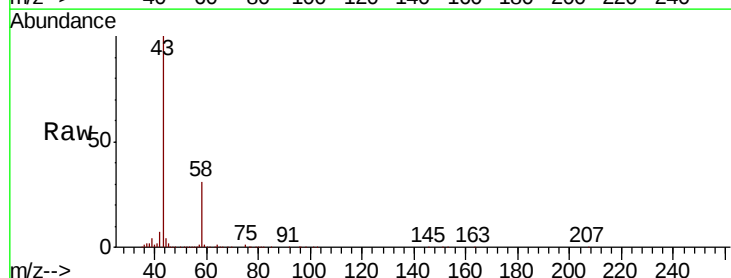
Acq: 28 Sep 2018 14:18

Tgt Ion: 43 Resp: 212452

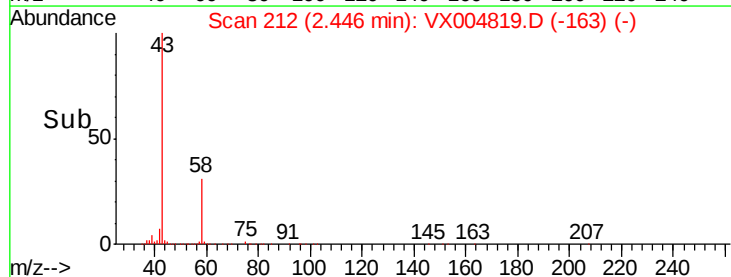
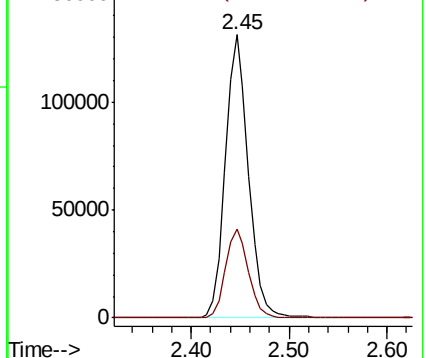
Ion Ratio Lower Upper

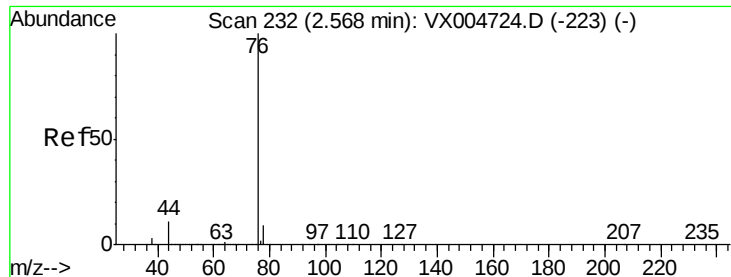
43 100

58 31.3 26.2 39.4



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

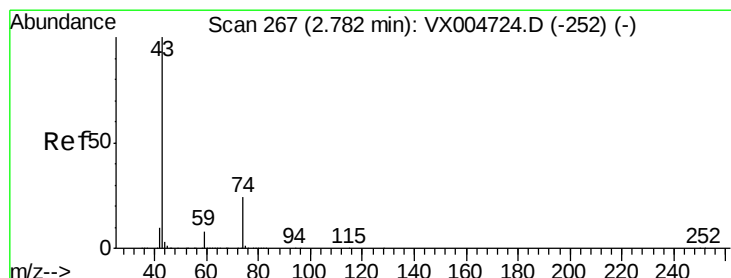
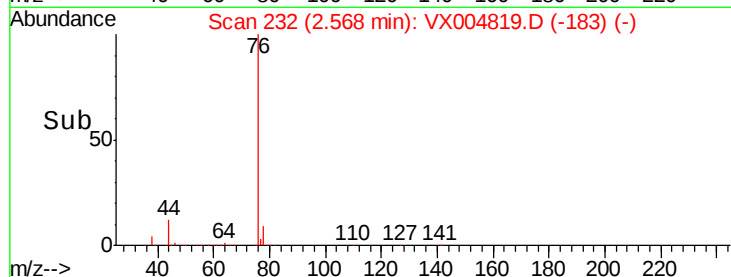
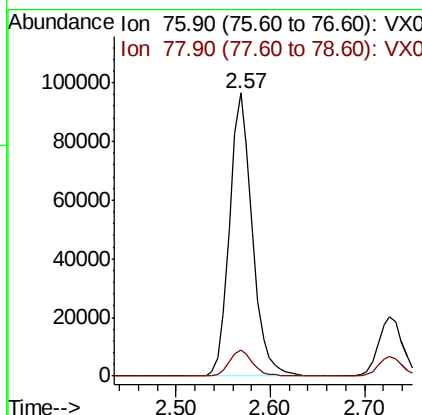
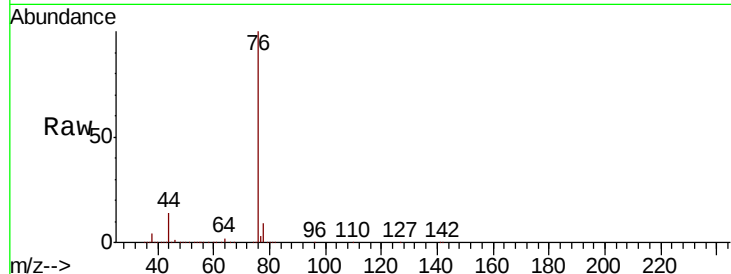




#17
Carbon Disulfide
Concen: 19.991 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

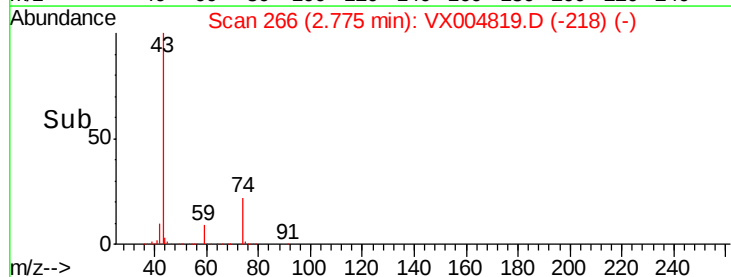
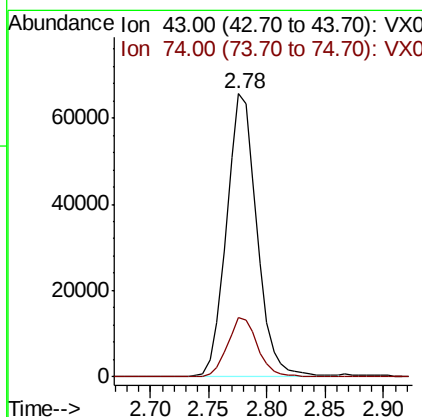
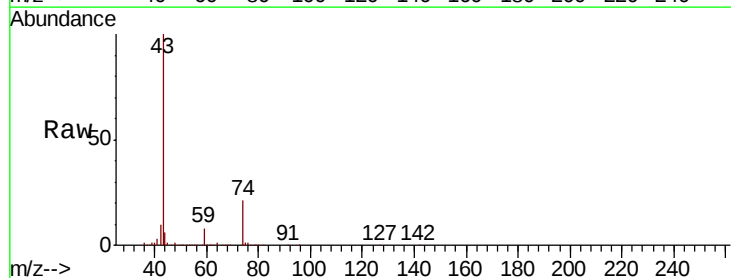
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

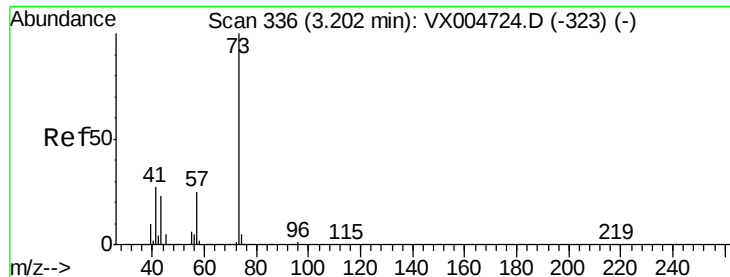
Tot Ion: 76 Resp: 161316
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 22.545 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 43 Resp: 118064
Ion Ratio Lower Upper
43 100
74 21.3 19.4 29.2



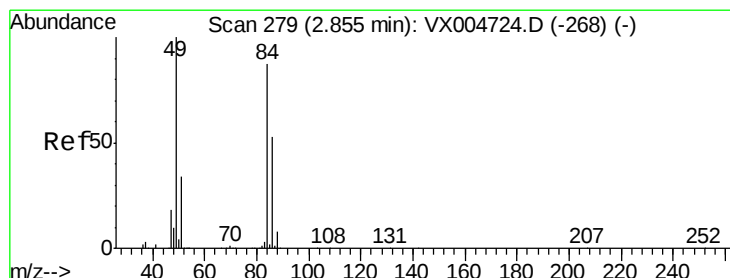
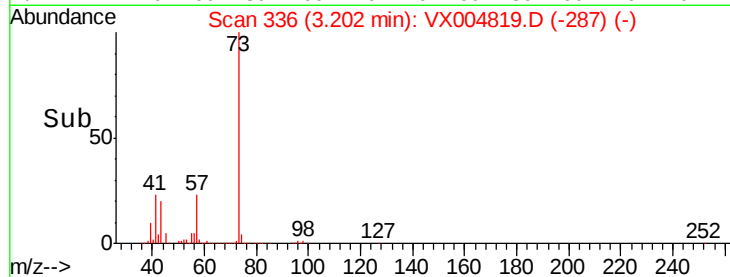
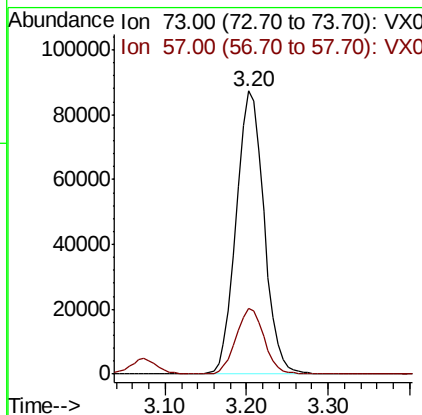
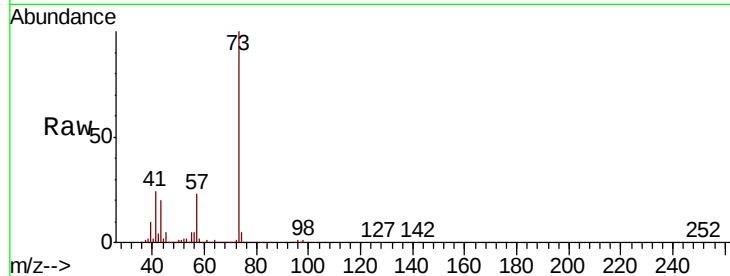


#19

Methyl tert-butyl Ether
 Concen: 22.230 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0928WBSD01

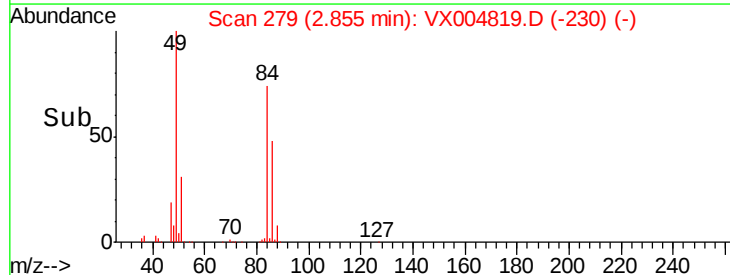
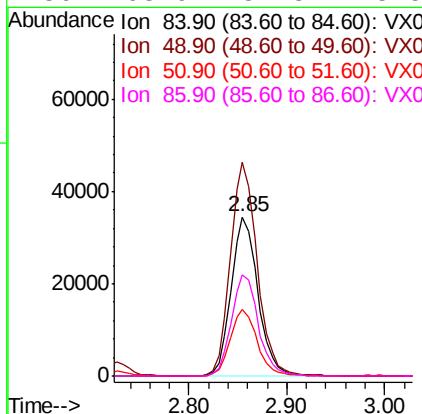
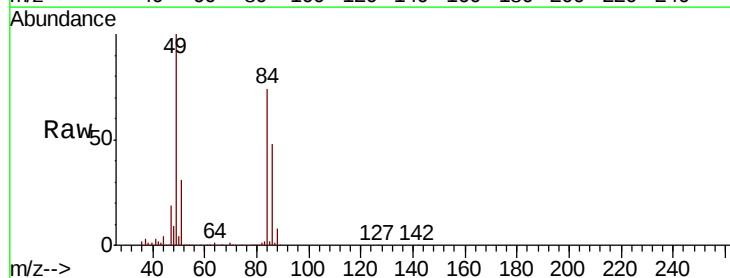
Tot Ion: 73 Resp: 205917
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.1 25.7

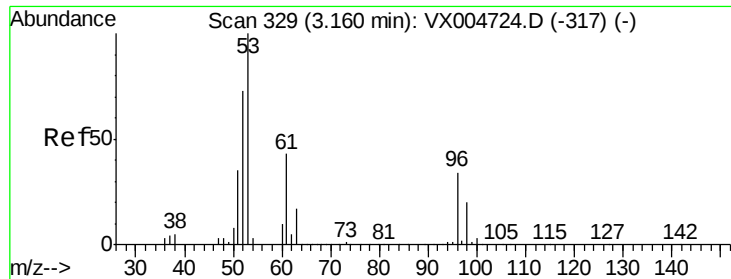


#20

Methylene Chloride
 Concen: 21.319 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion: 84 Resp: 65517
 Ion Ratio Lower Upper
 84 100
 49 134.4 101.2 151.8
 51 42.0 29.5 44.3
 86 63.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.693 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

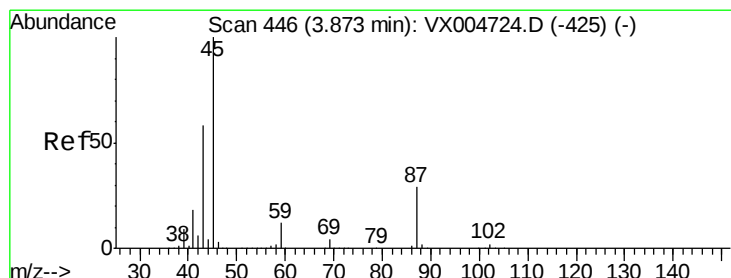
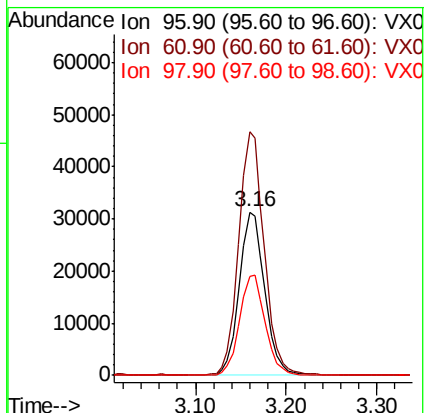
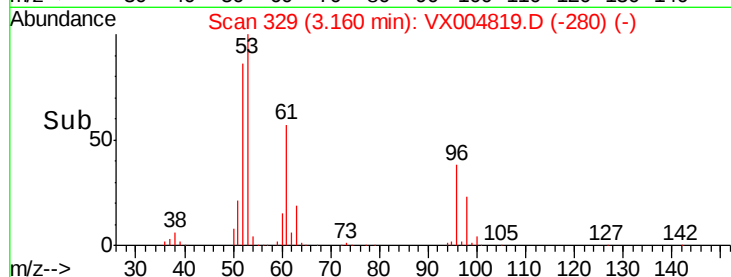
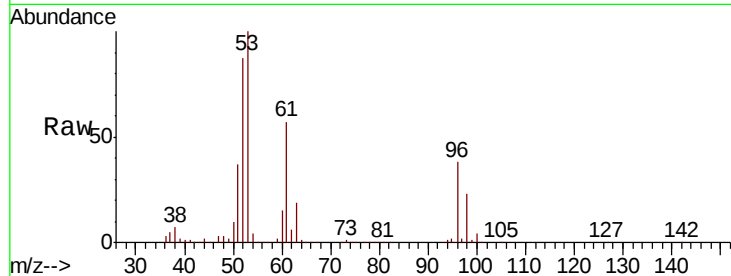
Tot Ion: 96 Resp: 60831

Ion Ratio Lower Upper

96 100

61 148.5 113.8 170.6

98 60.8 51.8 77.8



#22

Diisopropyl ether

Concen: 21.336 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion: 45 Resp: 210518

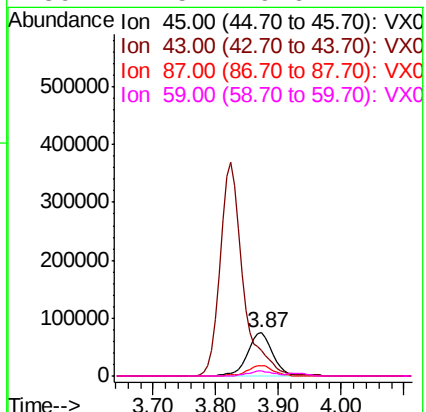
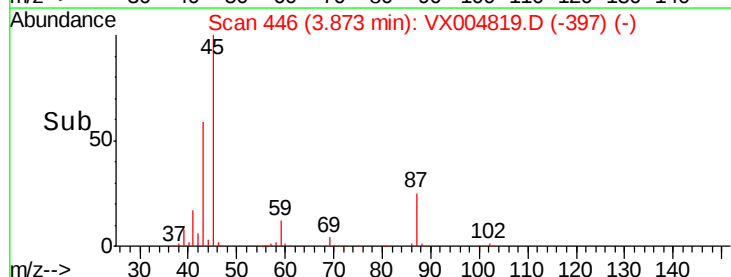
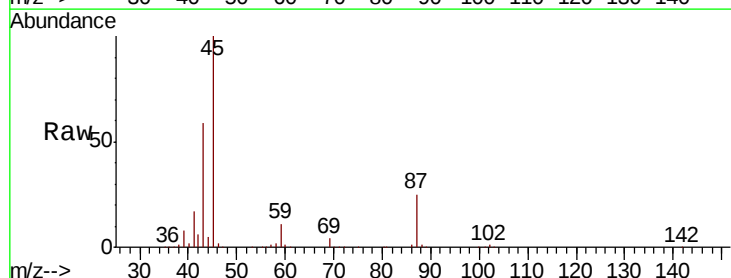
Ion Ratio Lower Upper

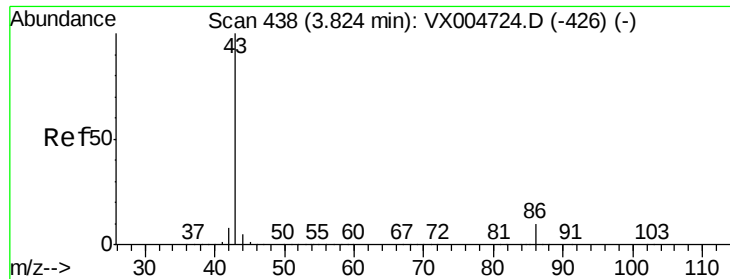
45 100

43 58.8 42.8 64.2

87 24.6 22.6 34.0

59 11.5 9.6 14.4





#23

Vinyl Acetate

Concen: 103.924 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

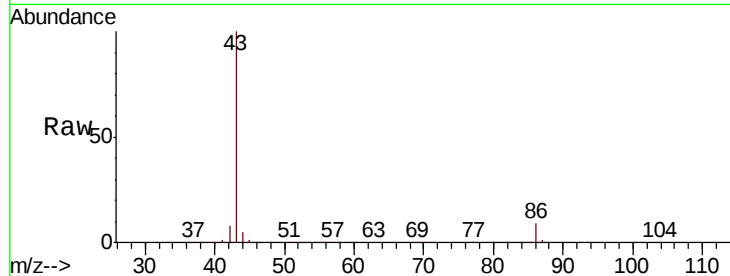
VX0928WBSD01

Tot Ion: 43 Resp: 938595

Ion Ratio Lower Upper

43 100

86 9.2 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

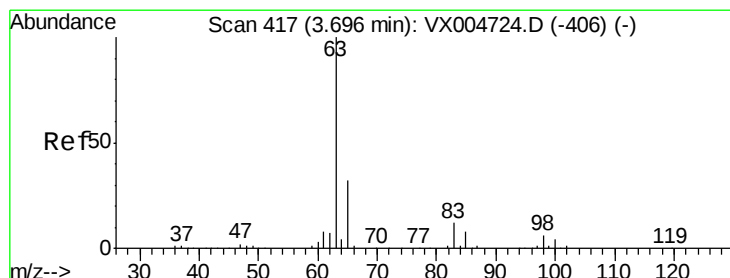
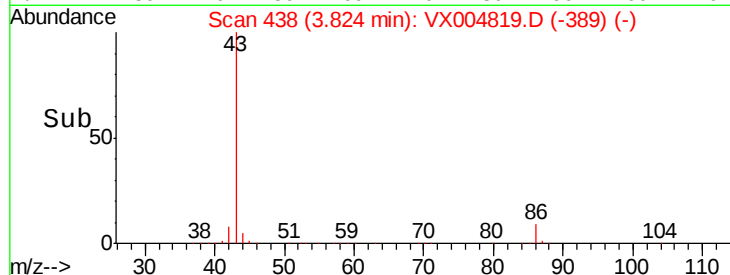
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.762 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

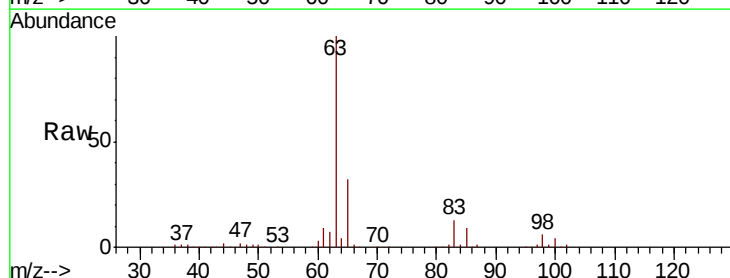
Tgt Ion: 63 Resp: 116311

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

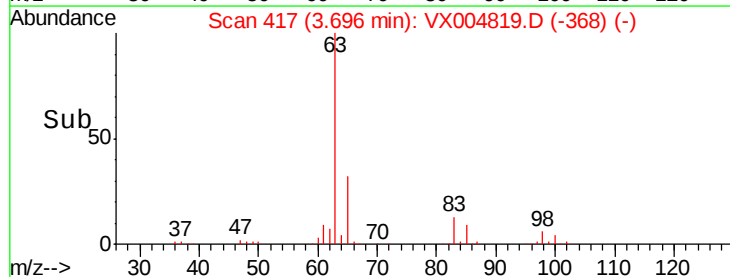
30000

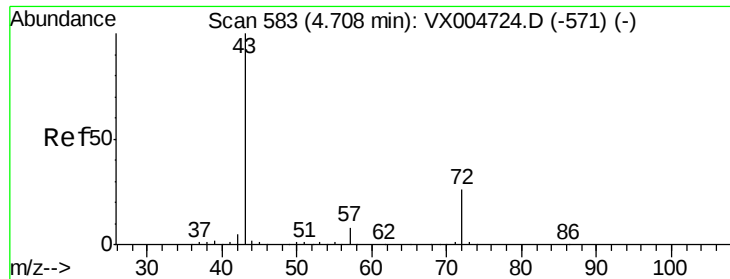
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.240 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

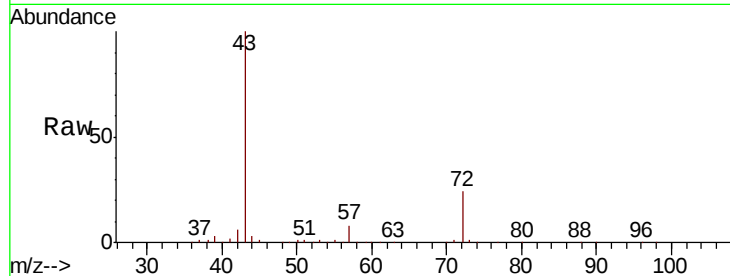
VX0928WBSD01

Tot Ion: 43 Resp: 311500

Ion Ratio Lower Upper

43 100

72 24.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

120000

100000

80000

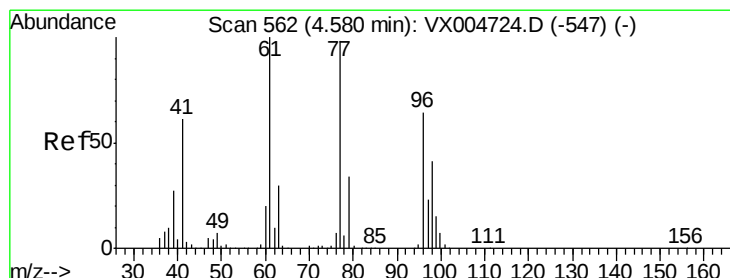
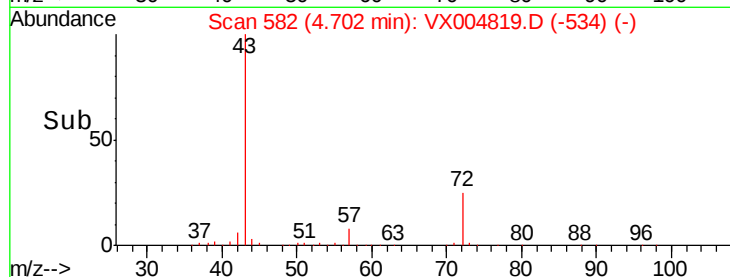
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.879 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004819.D

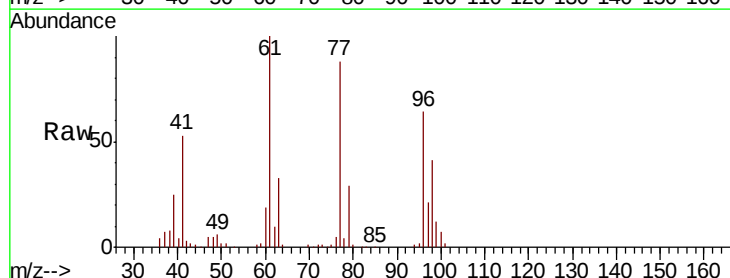
Acq: 28 Sep 2018 14:18

Tgt Ion: 77 Resp: 85571

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

30000

25000

20000

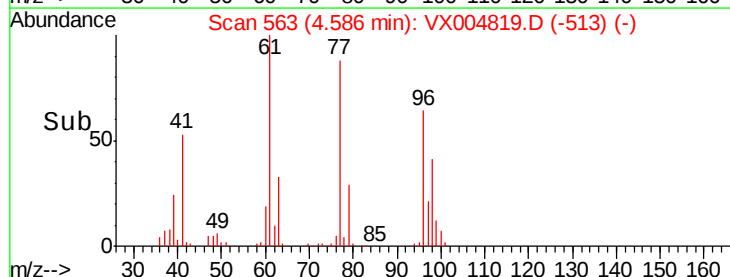
15000

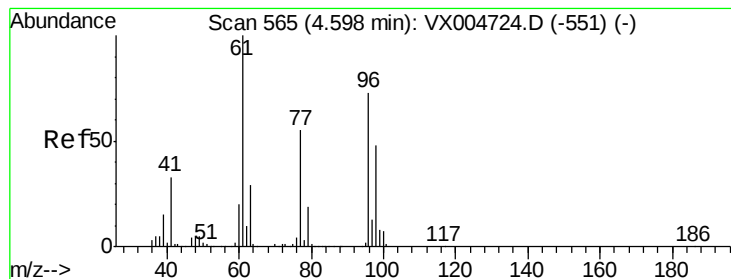
10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.115 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

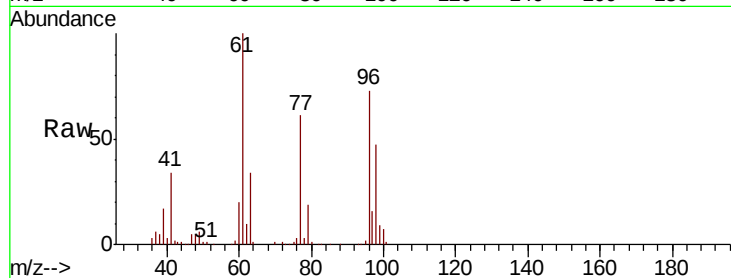
Tot Ion: 96 Resp: 66058

Ion Ratio Lower Upper

96 100

61 150.2 0.0 282.6

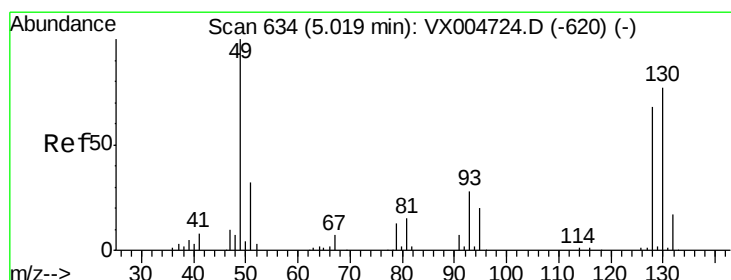
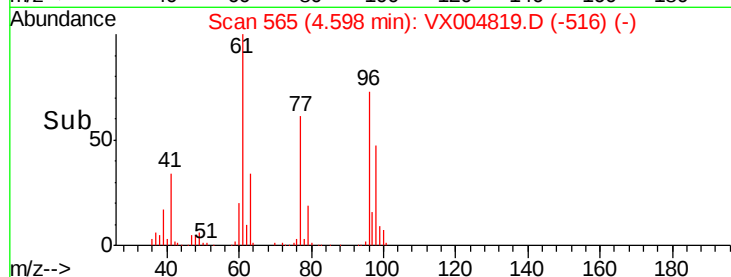
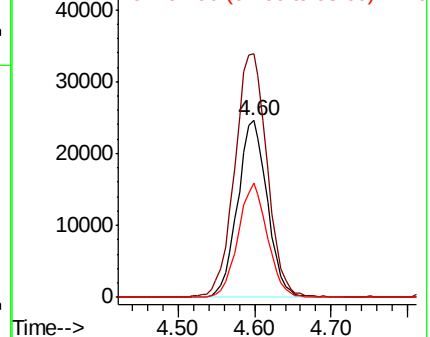
98 63.8 0.0 130.2



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: 19.819 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

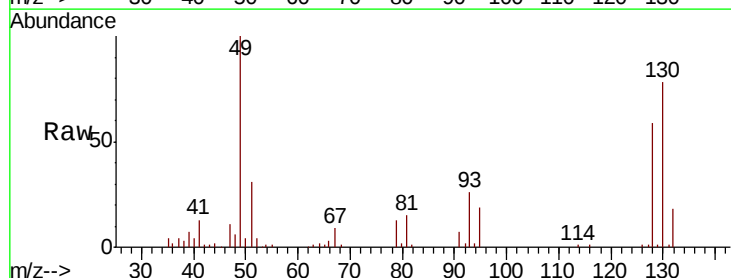
Tgt Ion: 49 Resp: 54931

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

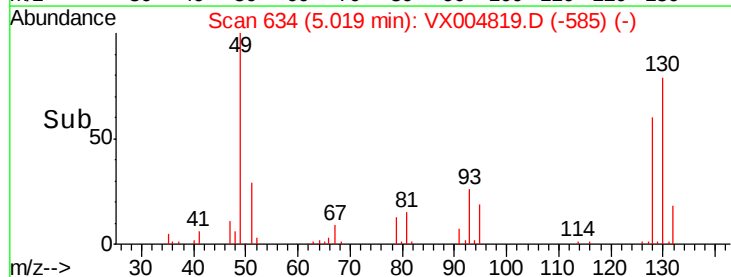
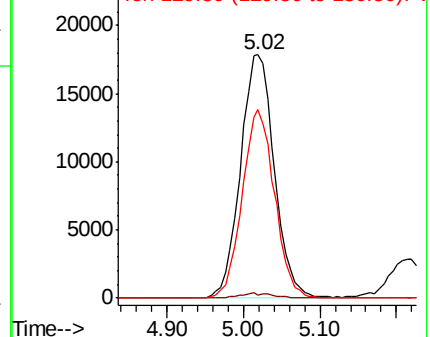
130 73.6 67.5 101.3

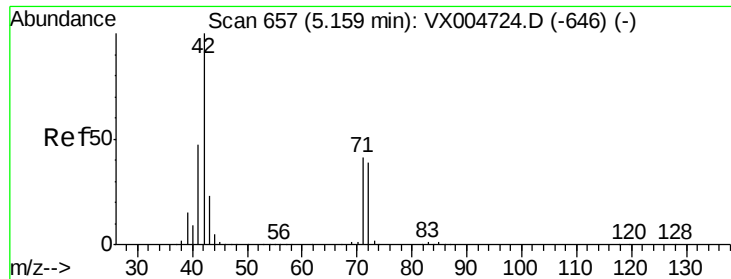


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

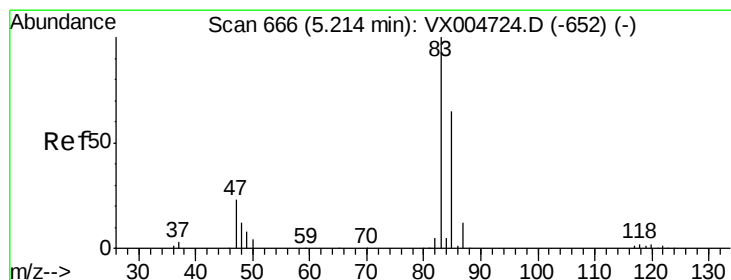
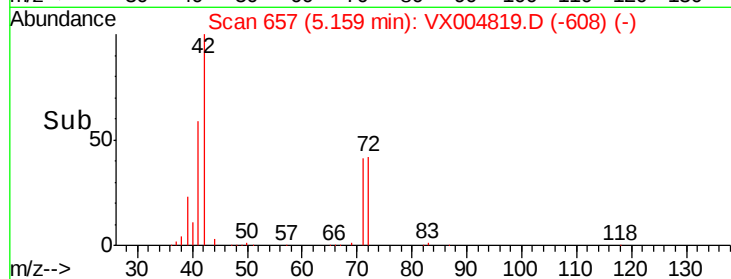
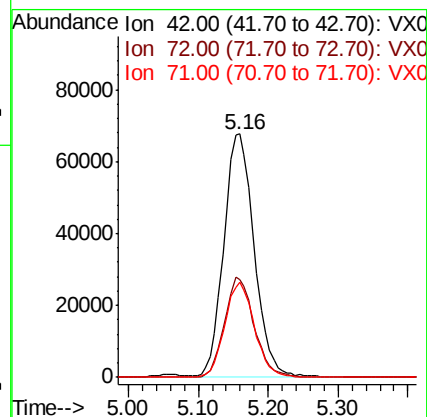
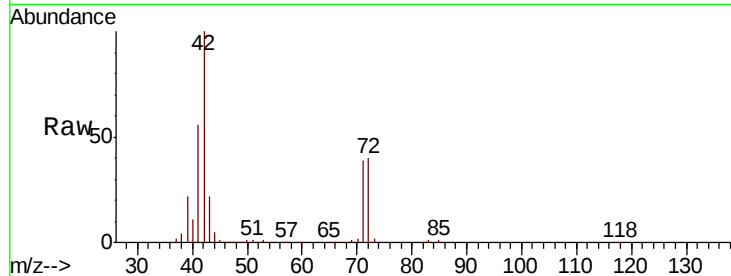




#29
Tetrahydrofuran
Concen: 107.002 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

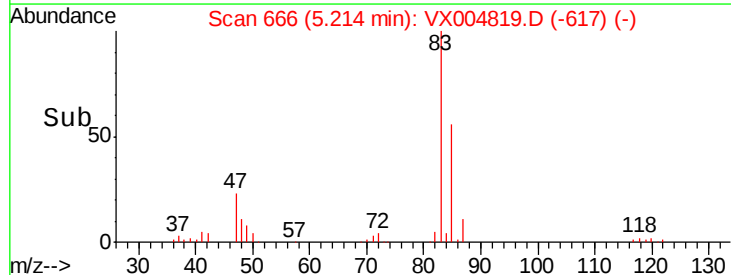
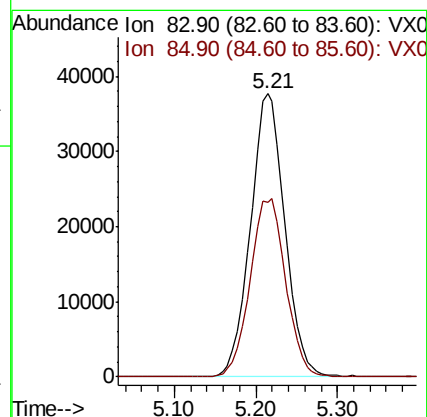
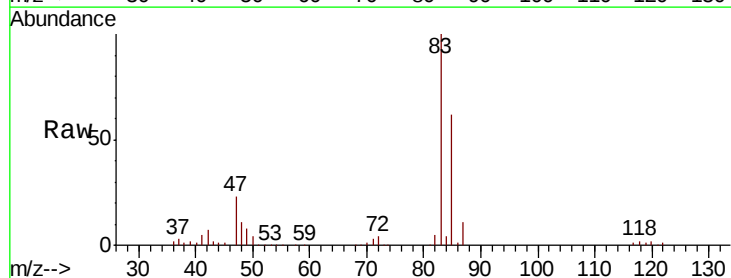
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

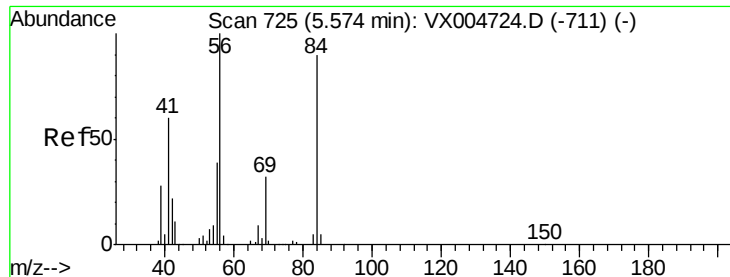
Tot Ion: 42 Resp: 202626
Ion Ratio Lower Upper
42 100
72 40.5 37.4 56.0
71 38.4 34.5 51.7



#30
Chloroform
Concen: 19.851 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 83 Resp: 110421
Ion Ratio Lower Upper
83 100
85 61.5 52.6 79.0





#31

Cyclohexane

Concen: 22.169 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

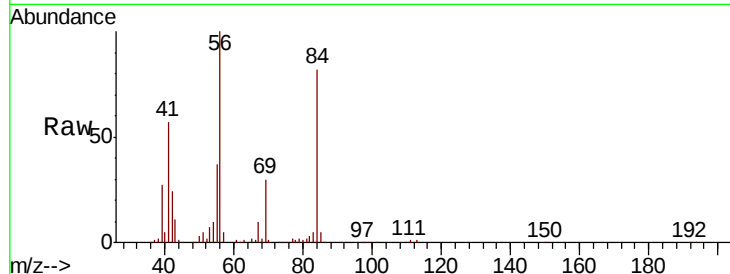
Tot Ion: 56 Resp: 99863

Ion Ratio Lower Upper

56 100

69 30.3 25.4 38.2

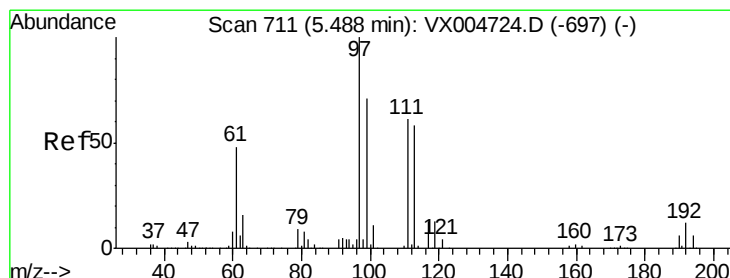
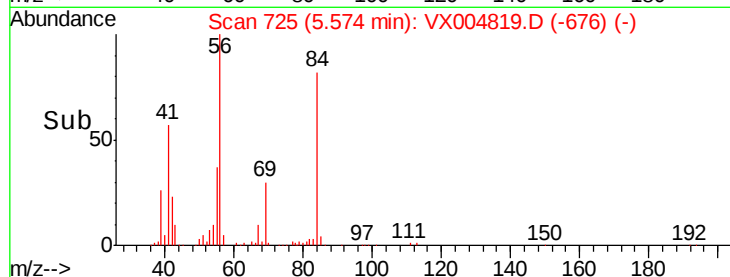
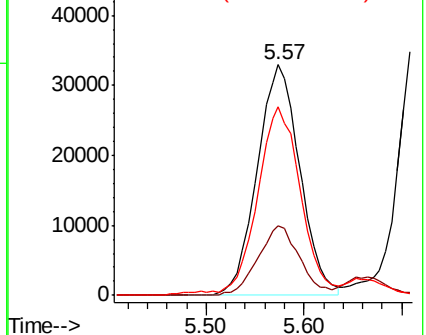
84 80.7 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.458 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

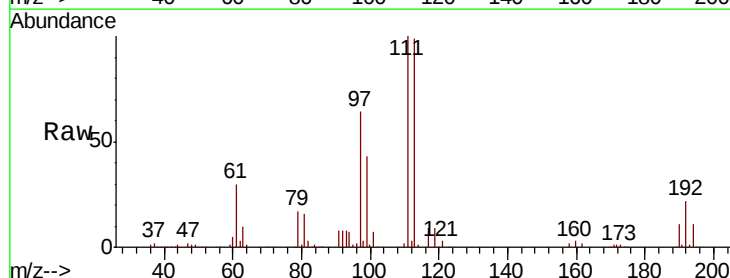
Tgt Ion: 97 Resp: 92934

Ion Ratio Lower Upper

97 100

99 65.9 52.0 78.0

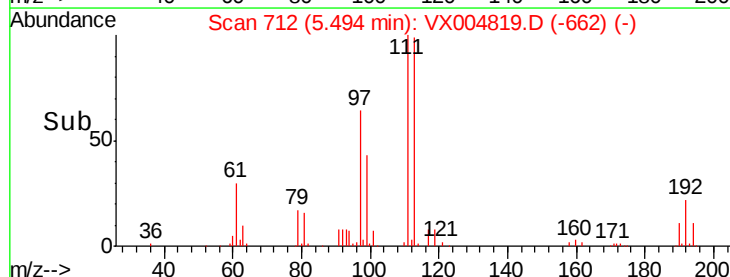
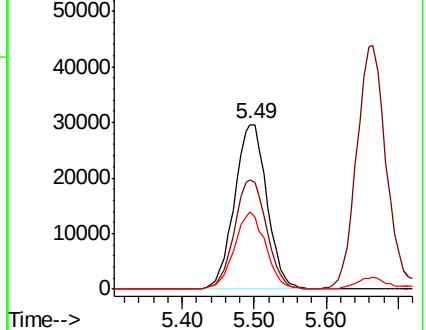
61 45.3 34.9 52.3

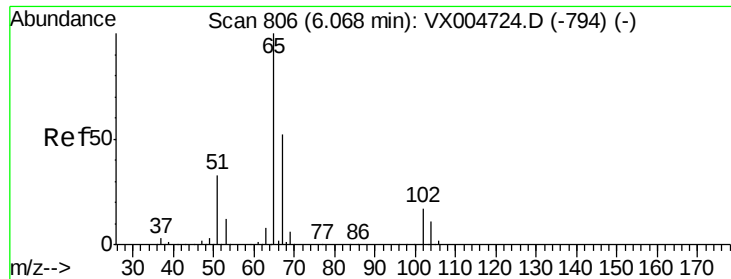


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.523 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

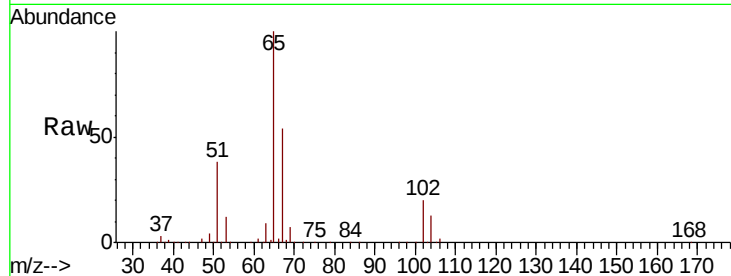
VX0928WBSD01

Tot Ion: 65 Resp: 175333

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

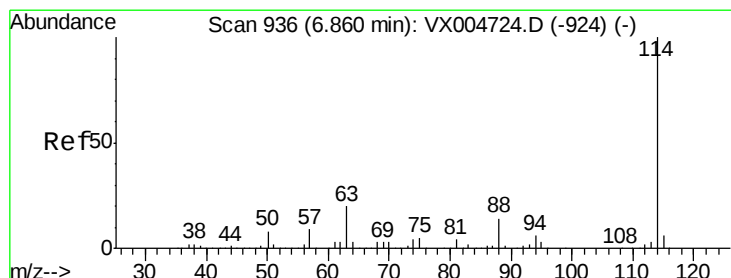
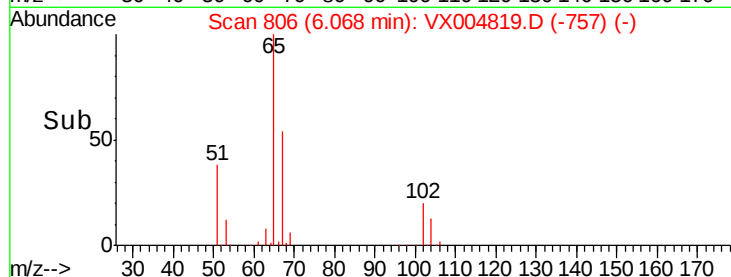
40000

20000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

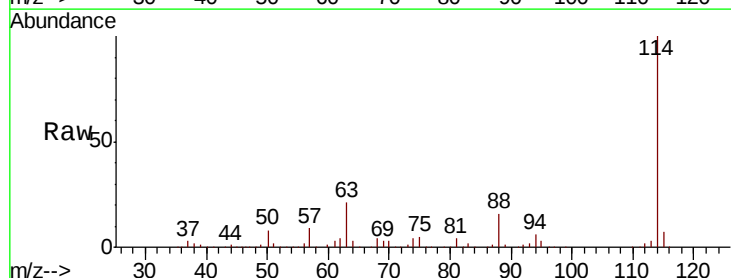
Tgt Ion: 114 Resp: 375154

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

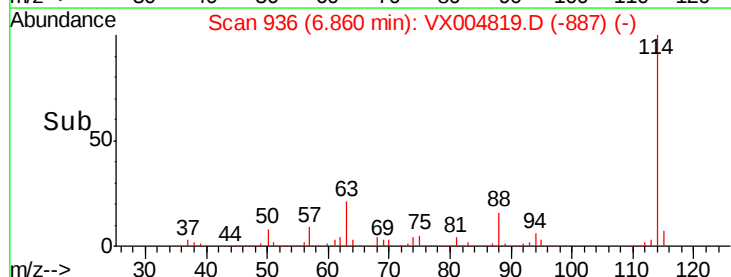
100000

50000

0

6.80 7.00

Time-->





#35

Dibromofluoromethane

Concen: 44.182 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

VX0928WBSD01

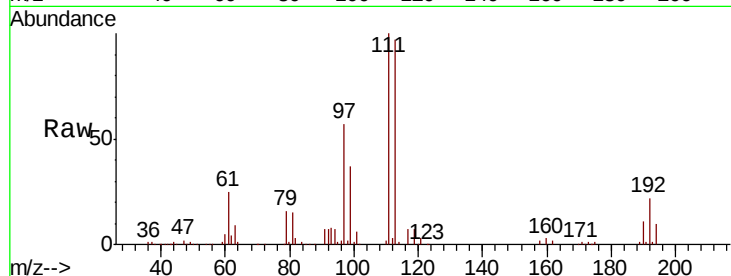
Tot Ion:113 Resp: 140475

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

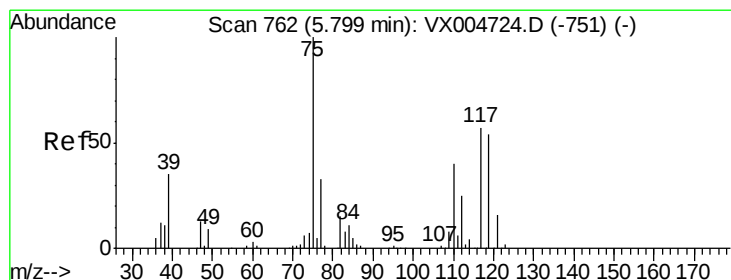
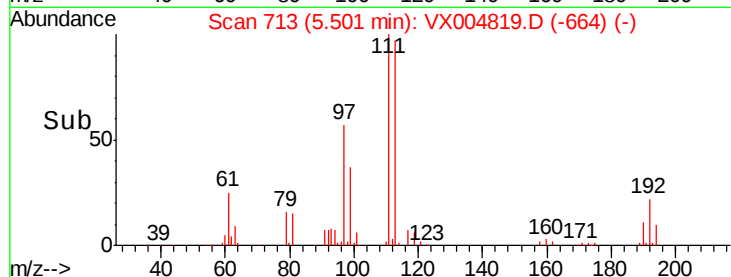
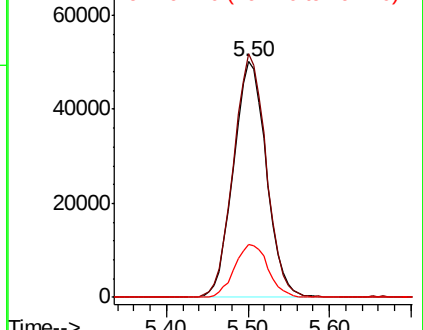
192 22.9 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.882 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

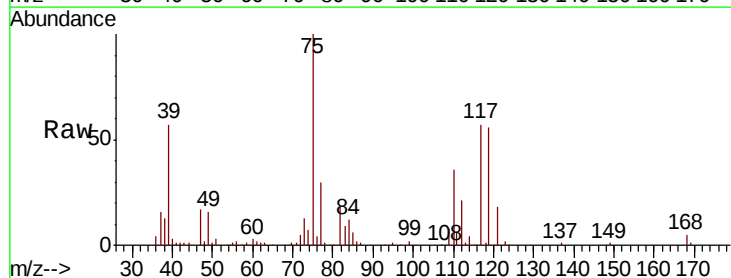
Tgt Ion: 75 Resp: 81908

Ion Ratio Lower Upper

75 100

110 36.0 18.0 54.0

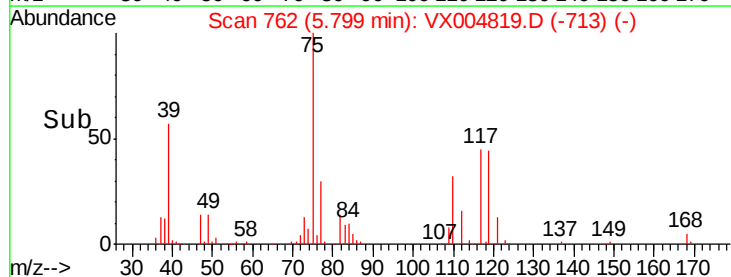
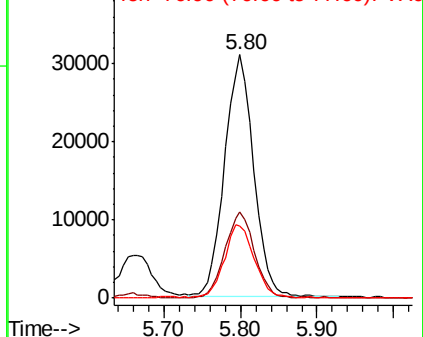
77 30.4 24.6 36.8

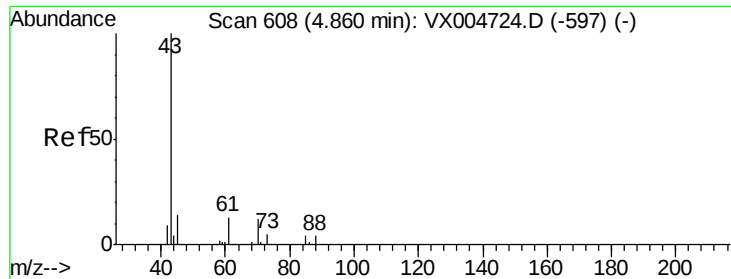


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

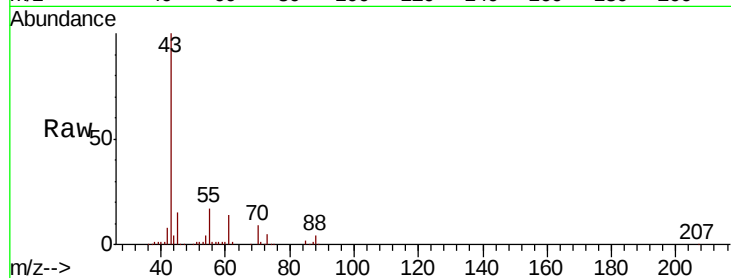




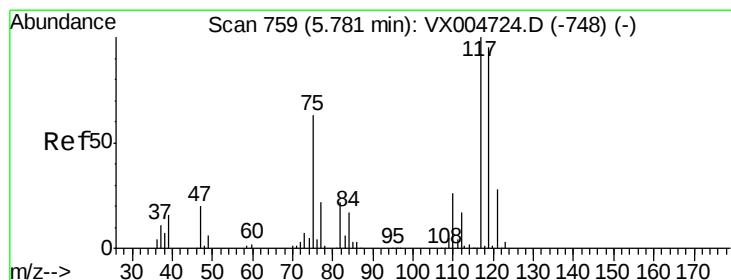
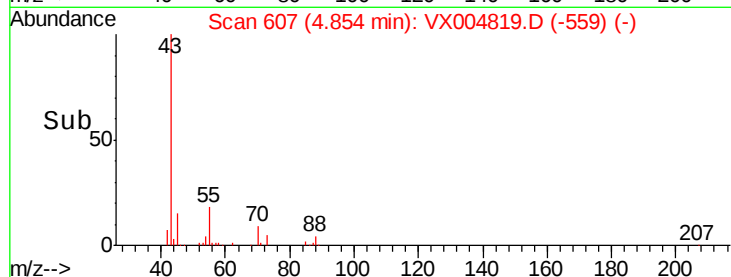
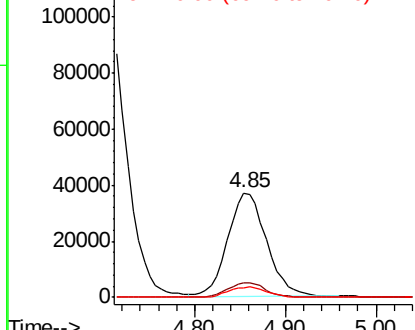
#37
Ethyl Acetate
Concen: 19.013 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VX0928WBSD01

Tot Ion: 43 Resp: 109484
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 10.1 9.0 13.6

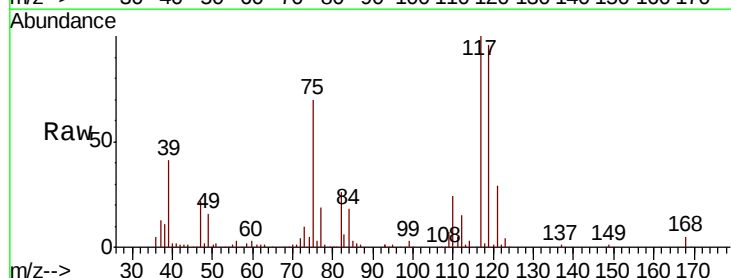


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

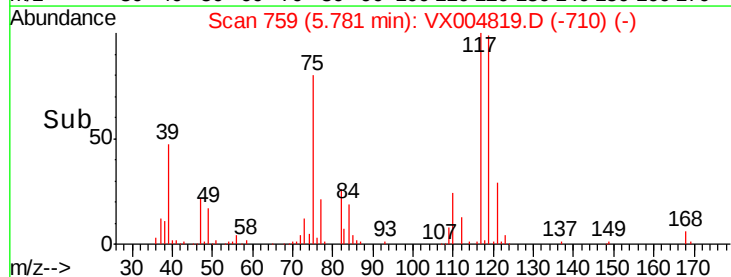
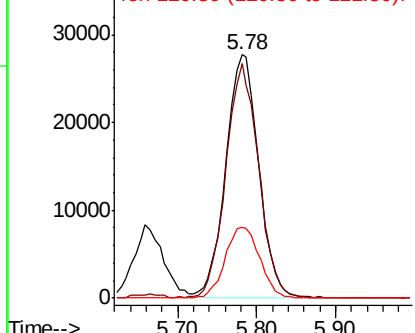


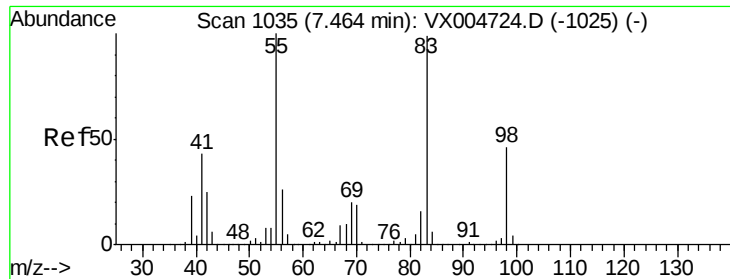
#38
Carbon Tetrachloride
Concen: 17.699 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 117 Resp: 80709
Ion Ratio Lower Upper
117 100
119 96.3 78.8 118.2
121 29.4 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

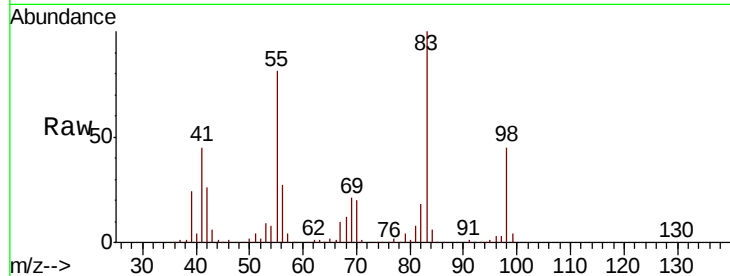




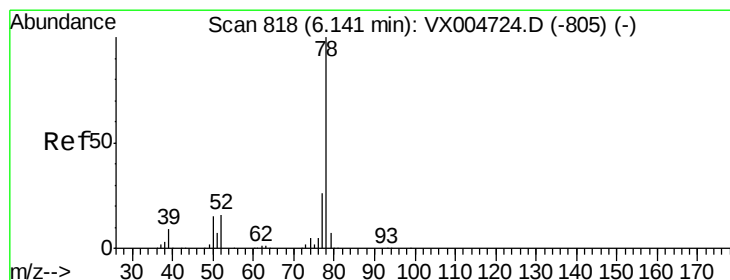
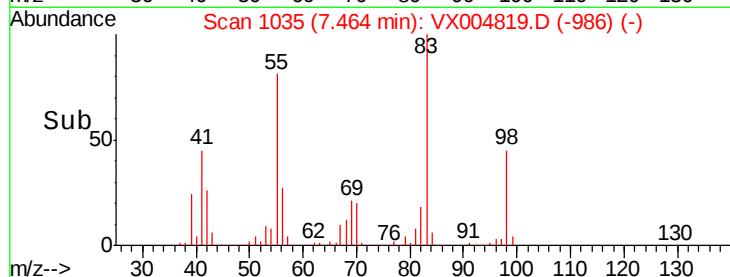
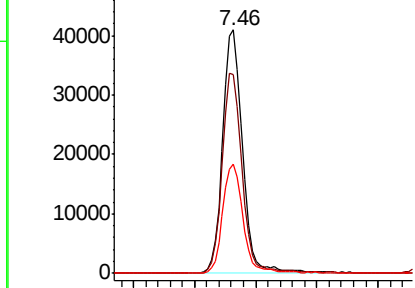
#39
Methvlcvclohexane
Concen: 21.006 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	61.0	91.4
98	44.7	39.6	59.4

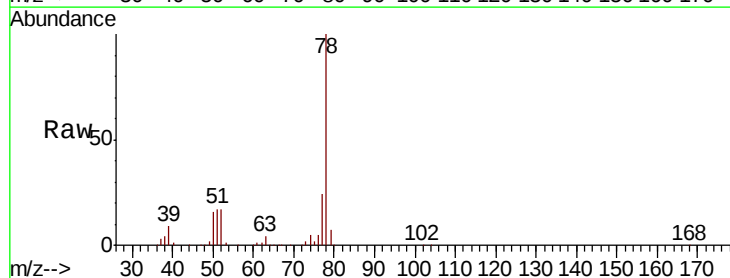


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

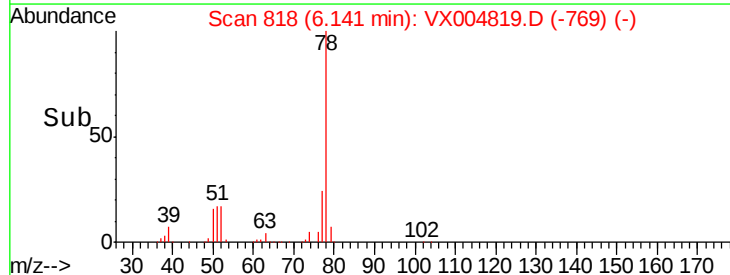
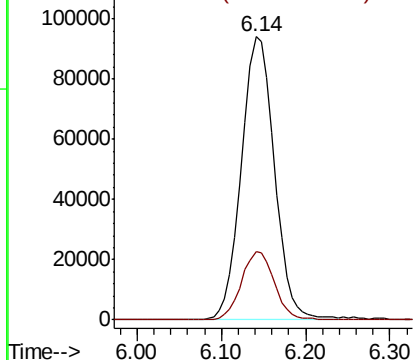


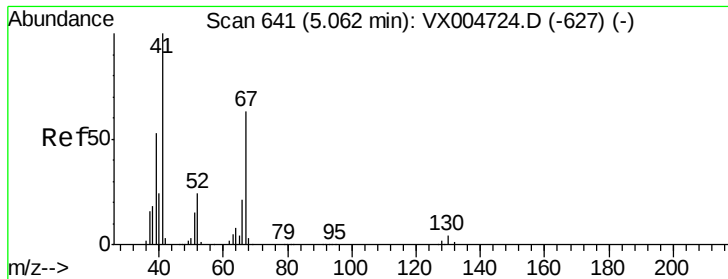
#40
Benzene
Concen: 18.447 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	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: 19.100 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 41 Resp: 60994

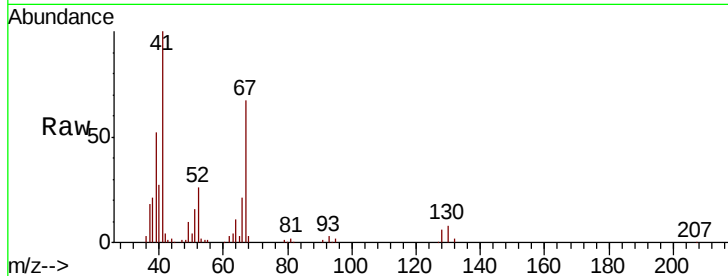
Ion Ratio Lower Upper

41 100

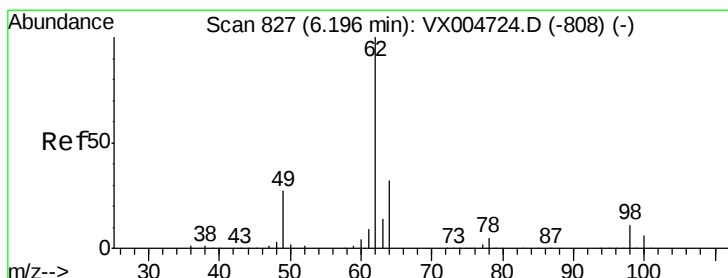
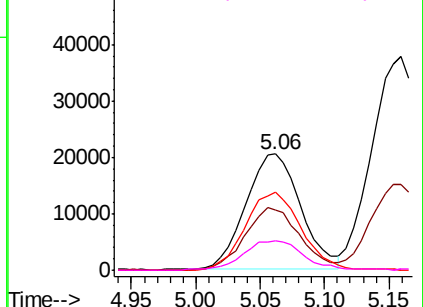
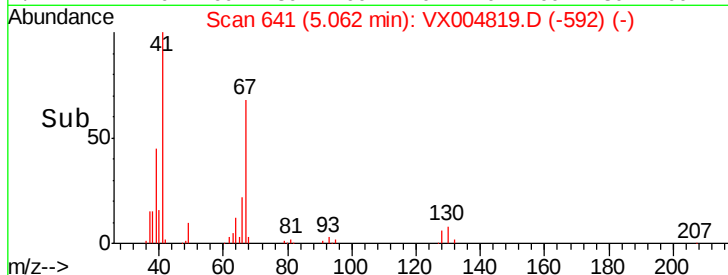
39 52.5 42.4 63.6

67 69.0 59.2 88.8

52 27.9 23.0 34.4



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



#42

1,2-Dichloroethane

Concen: 18.910 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX004819.D

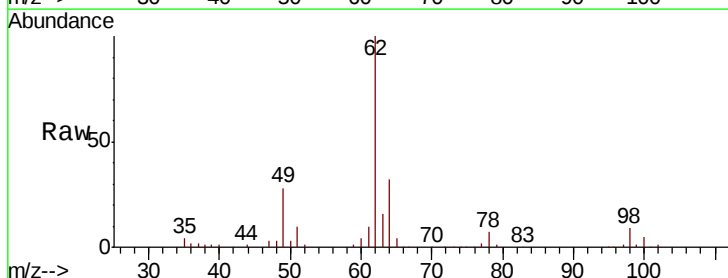
Acq: 28 Sep 2018 14:18

Tgt Ion: 62 Resp: 90786

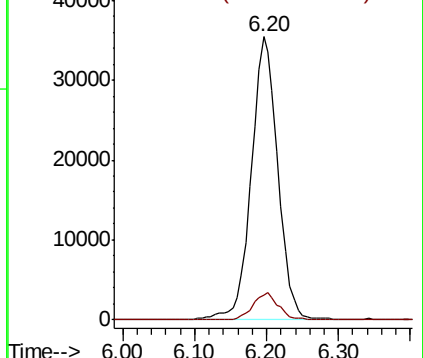
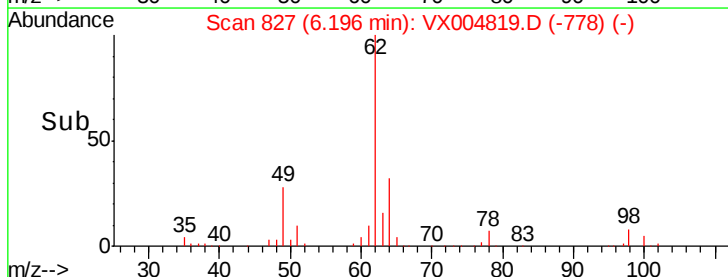
Ion Ratio Lower Upper

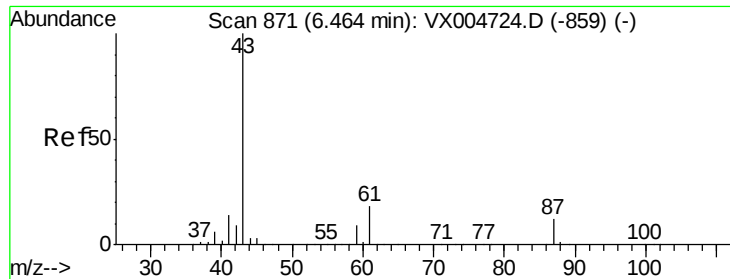
62 100

98 9.1 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 19.292 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

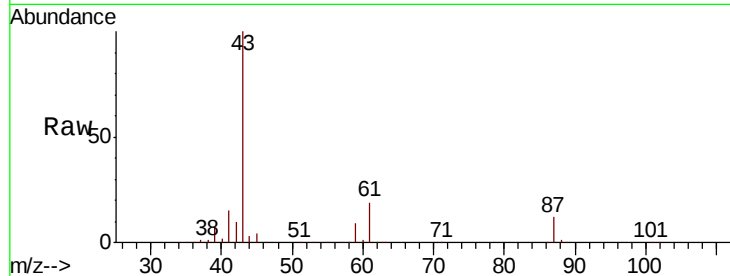
Tot Ion: 43 Resp: 160335

Ion Ratio Lower Upper

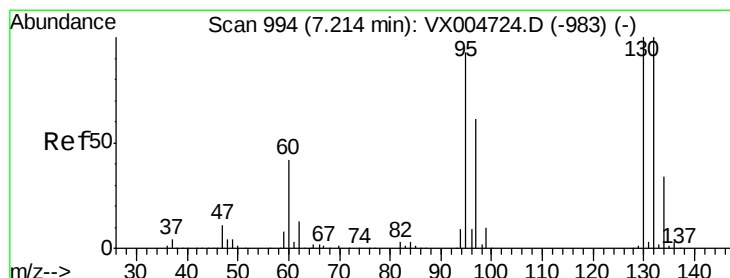
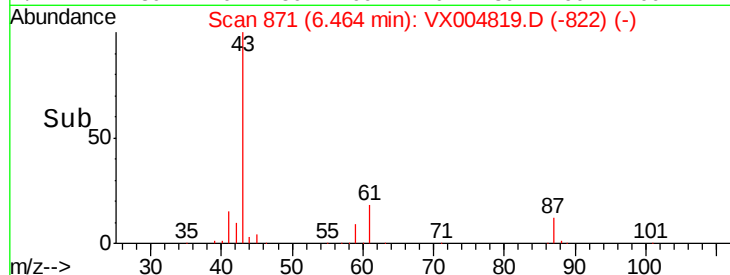
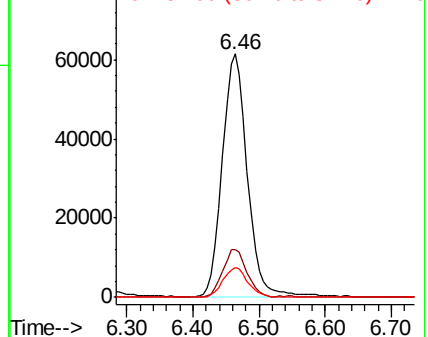
43 100

61 19.3 17.0 25.4

87 12.1 11.4 17.2



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



#44

Trichloroethene

Concen: 19.774 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004819.D

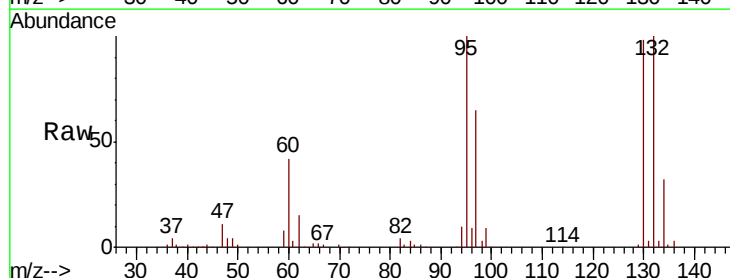
Acq: 28 Sep 2018 14:18

Tgt Ion:130 Resp: 66017

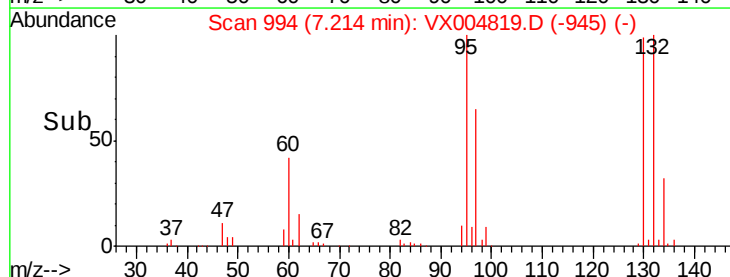
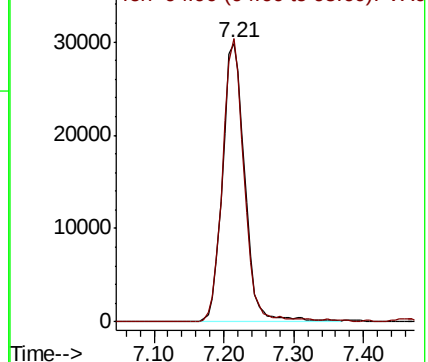
Ion Ratio Lower Upper

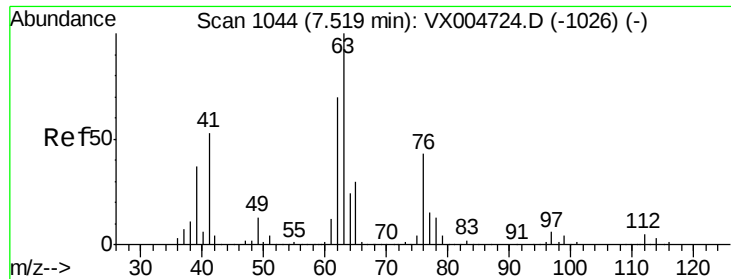
130 100

95 101.6 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 20.473 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

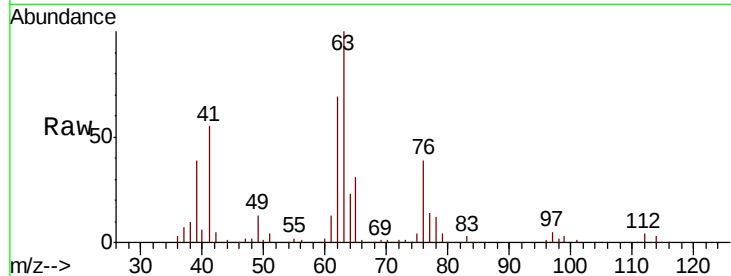
VX0928WBSD01

Tot Ion: 63 Resp: 68183

Ion Ratio Lower Upper

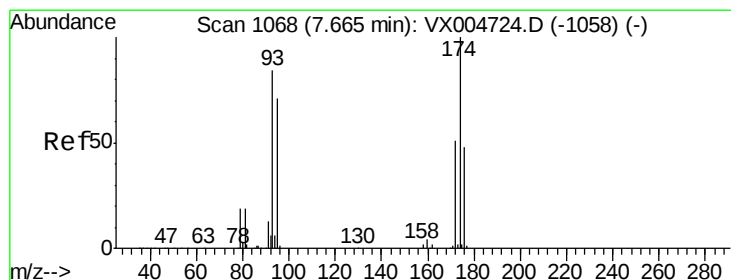
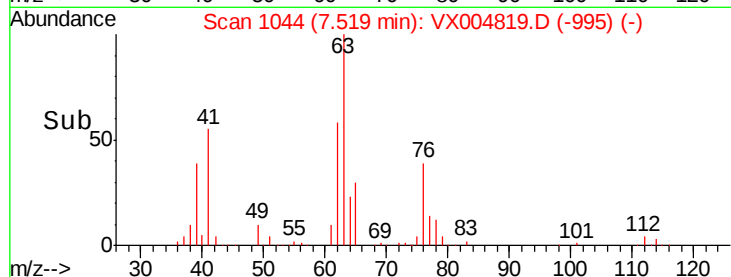
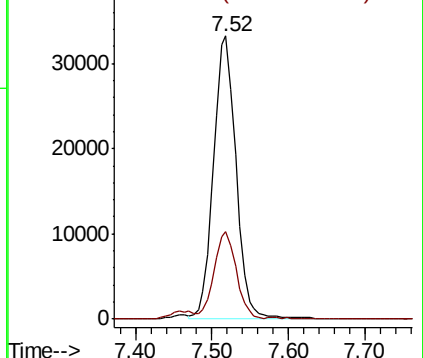
63 100

65 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.284 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

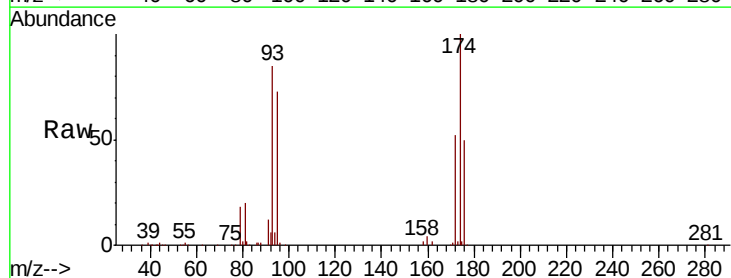
Tgt Ion: 93 Resp: 42456

Ion Ratio Lower Upper

93 100

95 85.9 65.5 98.3

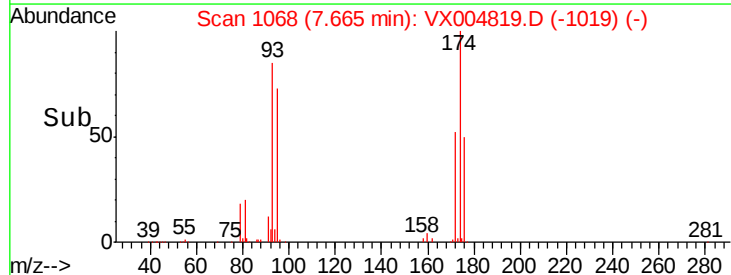
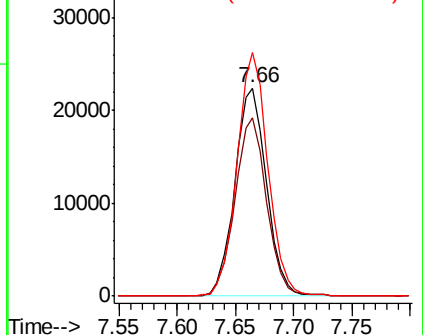
174 114.6 94.2 141.4

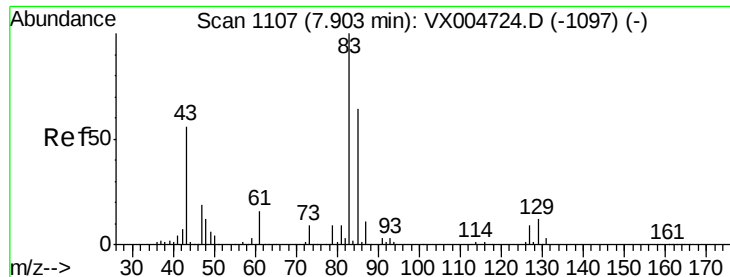


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.541 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

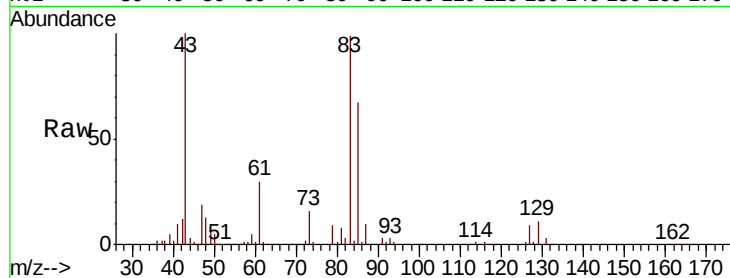
Tot Ion: 83 Resp: 80494

Ion Ratio Lower Upper

83 100

85 67.2 50.9 76.3

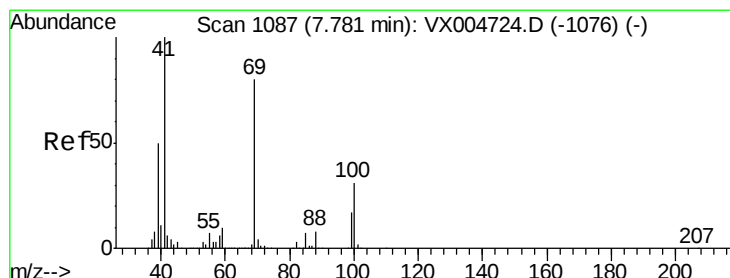
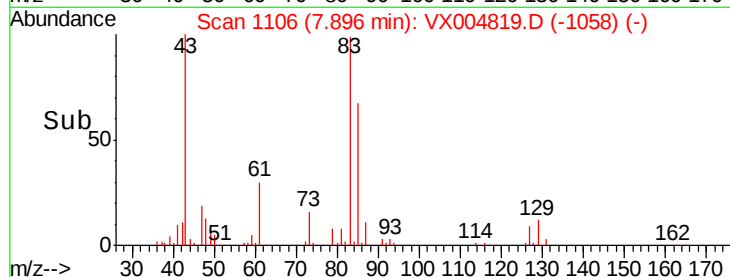
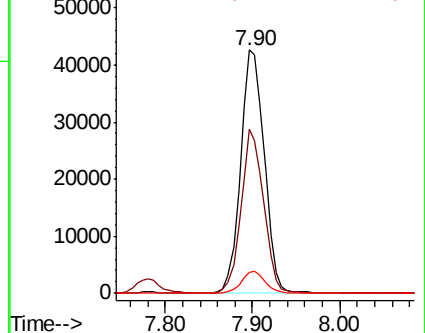
127 8.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.862 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

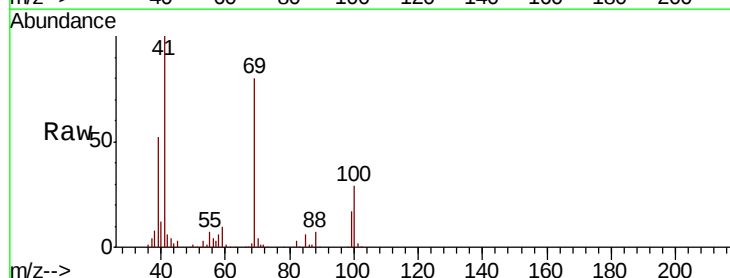
Tgt Ion: 41 Resp: 82472

Ion Ratio Lower Upper

41 100

69 80.2 70.2 105.4

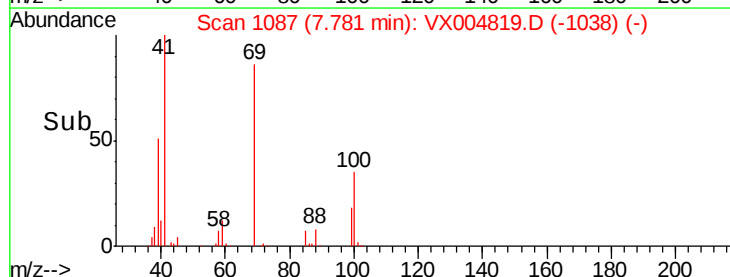
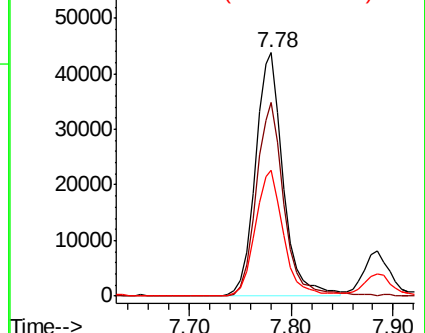
39 52.6 42.7 64.1

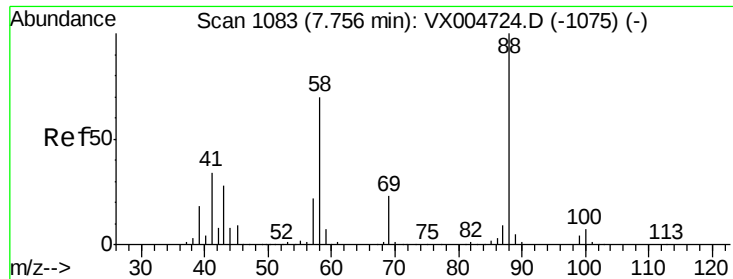


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

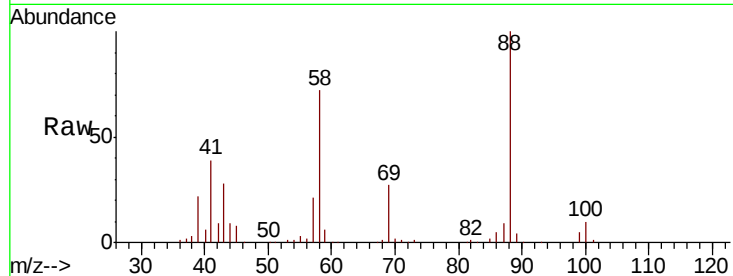




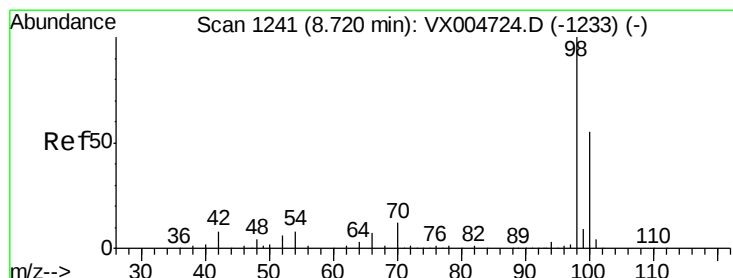
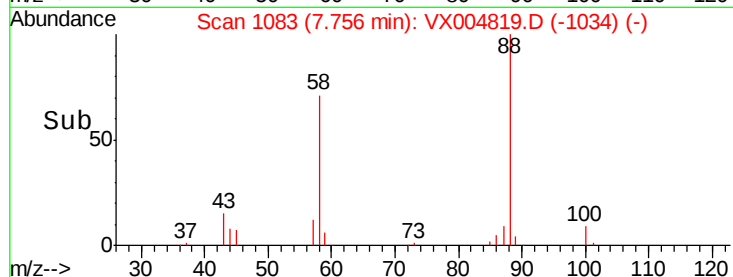
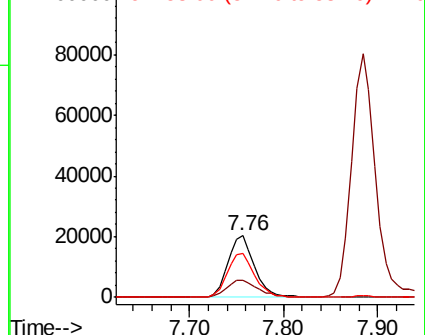
#49
1,4-Dioxane
Concen: 420.011 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion: 88 Resp: 39363
Ion Ratio Lower Upper
88 100
43 32.8 24.7 37.1
58 74.5 55.3 82.9

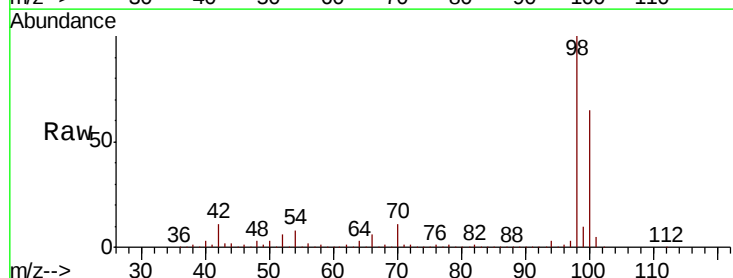


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

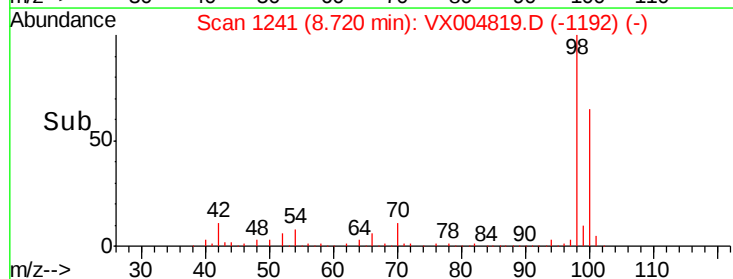
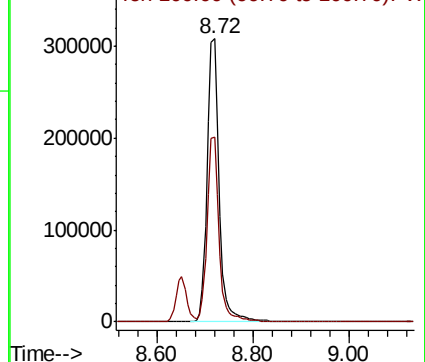


#50
Toluene-d8
Concen: 50.995 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 98 Resp: 539028
Ion Ratio Lower Upper
98 100
100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

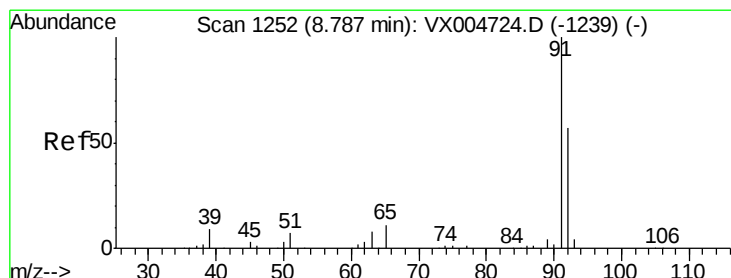
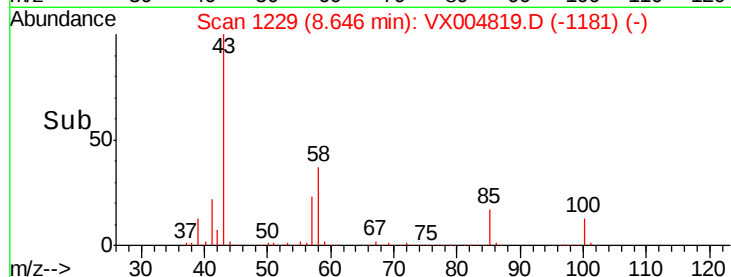
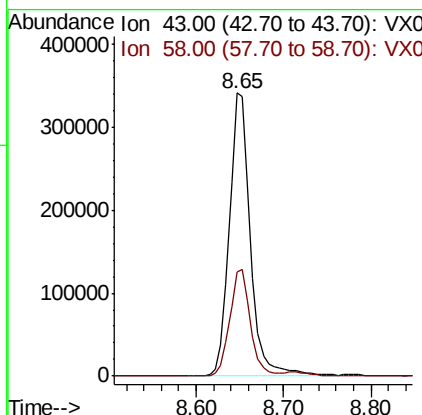
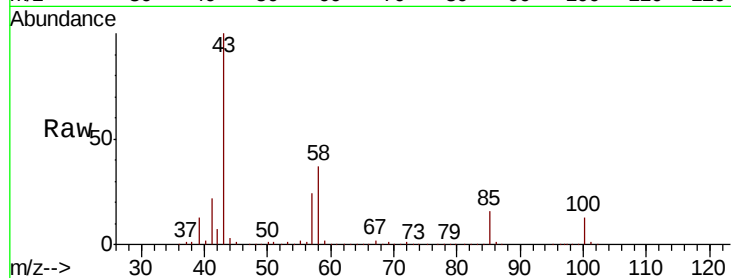




#51
4-Methyl-2-Pentanone
Concen: 109.904 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

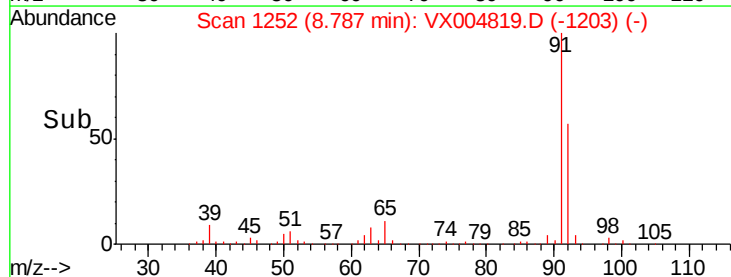
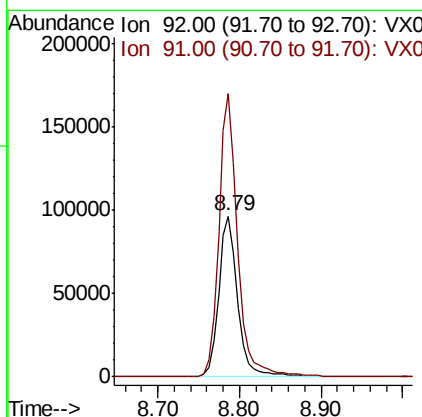
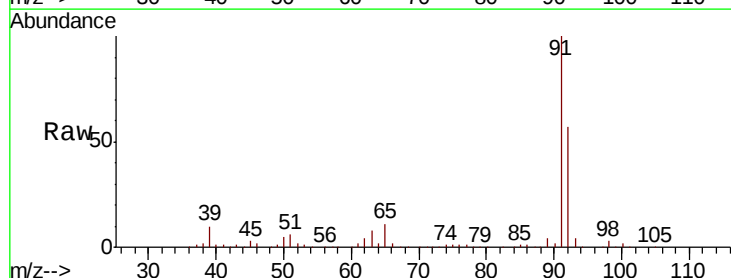
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion: 43 Resp: 575137
Ion Ratio Lower Upper
43 100
58 37.0 33.1 49.7



#52
Toluene
Concen: 21.050 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 92 Resp: 157086
Ion Ratio Lower Upper
92 100
91 173.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.673 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

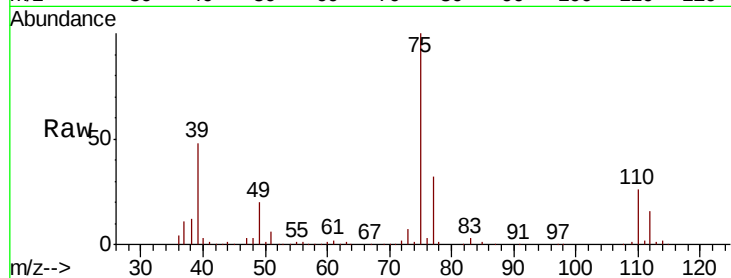
VX0928WBSD01

Tot Ion: 75 Resp: 87120

Ion Ratio Lower Upper

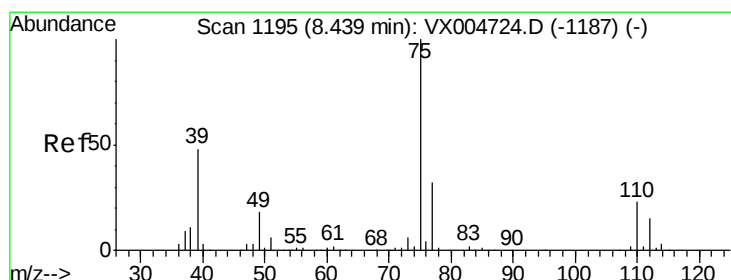
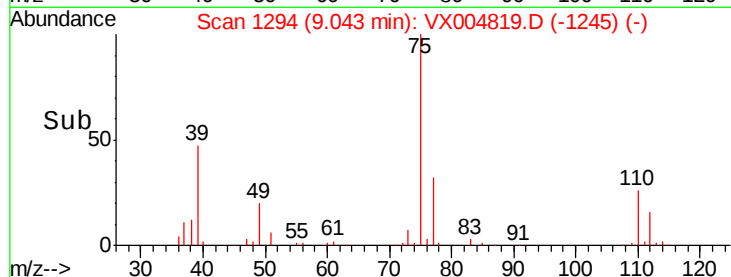
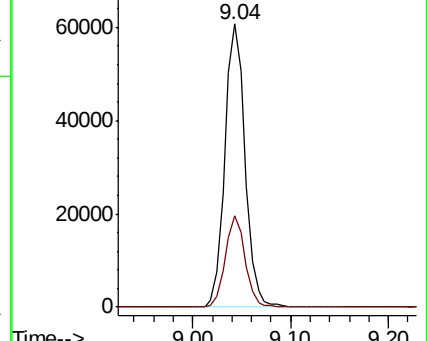
75 100

77 32.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 21.254 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

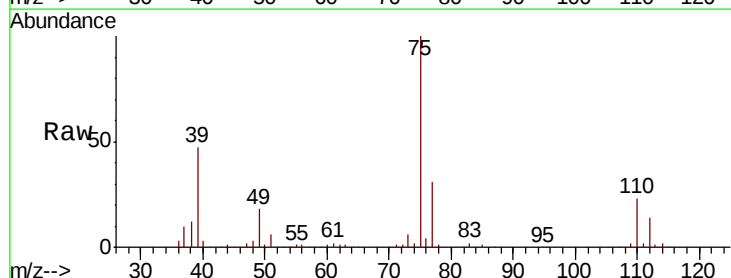
Tgt Ion: 75 Resp: 98585

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

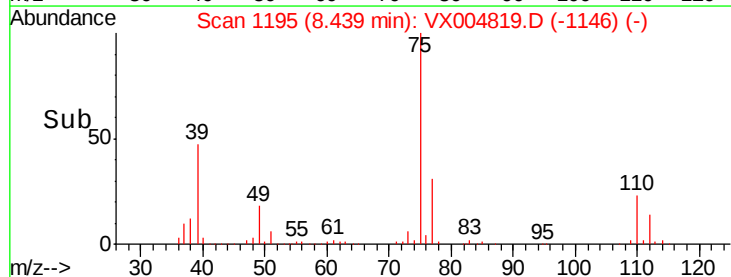
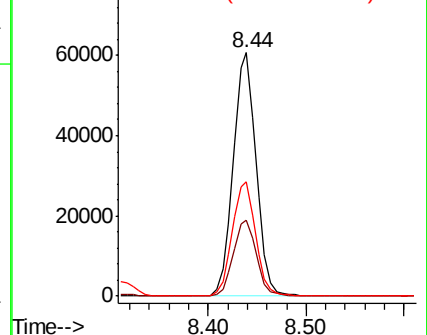
39 46.8 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

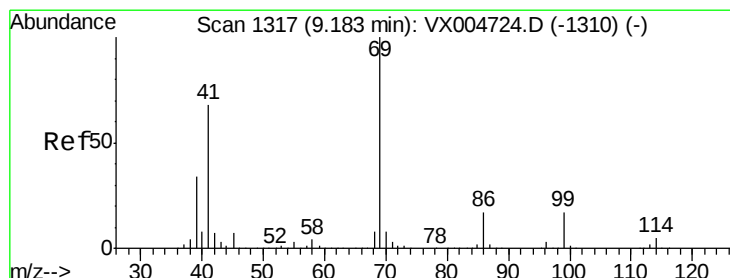
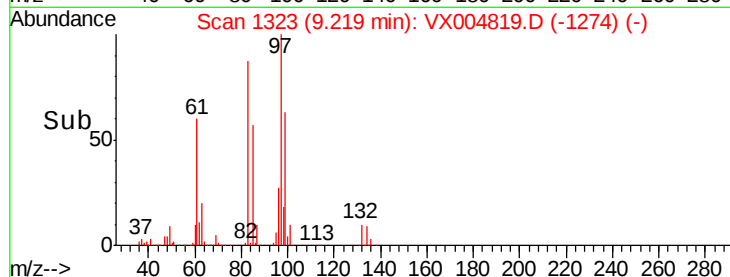
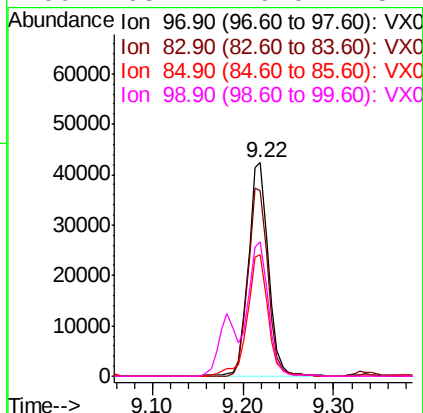
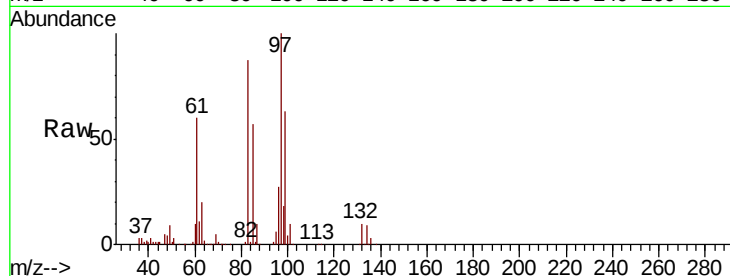




#55
 1,1,2-Trichloroethane
 Concen: 19.878 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

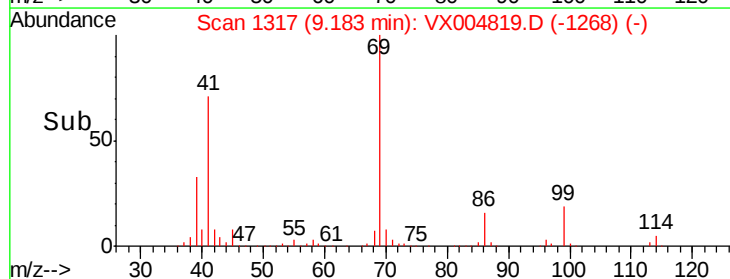
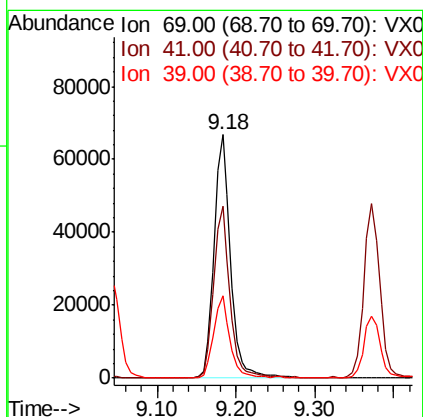
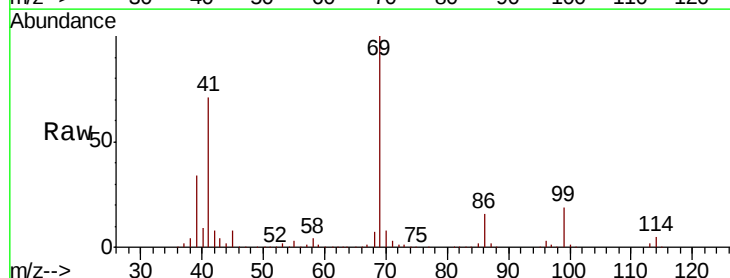
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion:	97	Resp:	64976
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.4	99.6
85	57.1	43.3	64.9
99	63.2	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 20.170 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion:	69	Resp:	97380
Ion	Ratio	Lower	Upper
69	100		
41	69.5	51.0	76.4
39	33.2	26.1	39.1





#57

1,3-Dichloropropane

Concen: 20.070 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

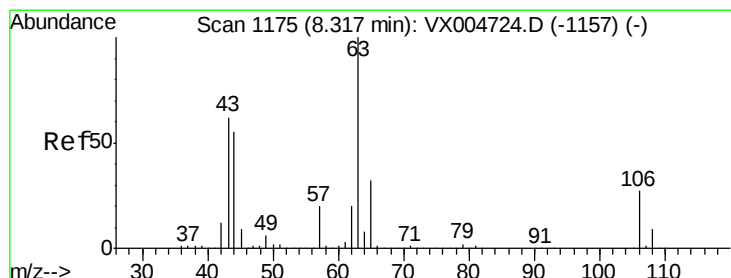
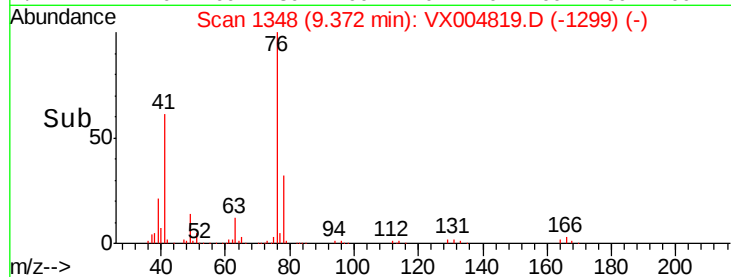
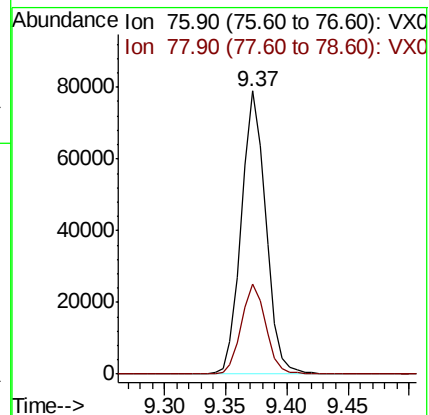
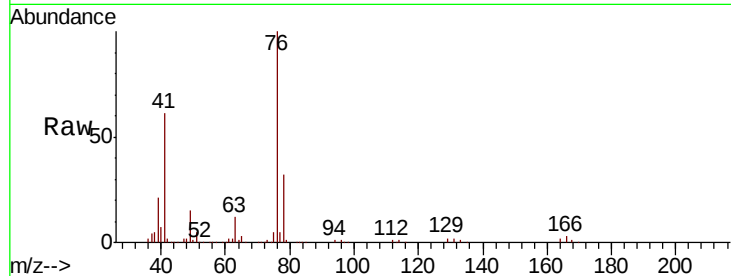
VX0928WBSD01

Tot Ion: 76 Resp: 109187

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 106.210 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004819.D

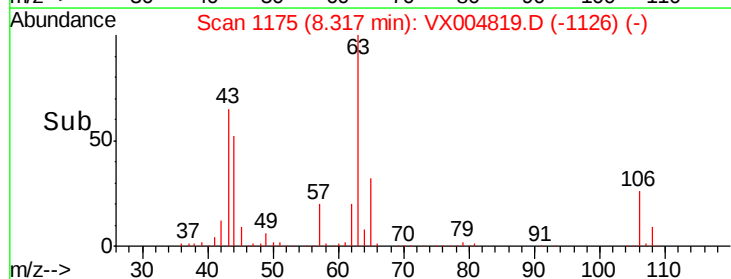
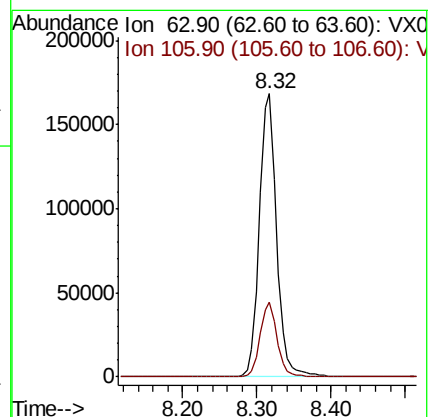
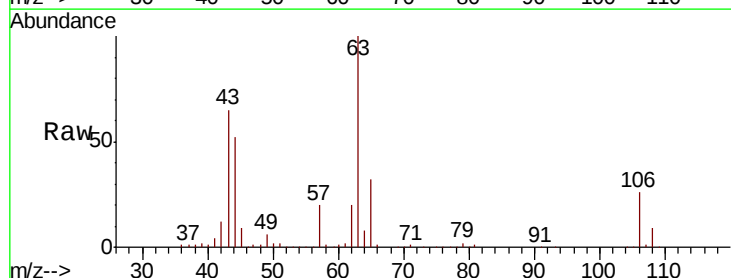
Acq: 28 Sep 2018 14:18

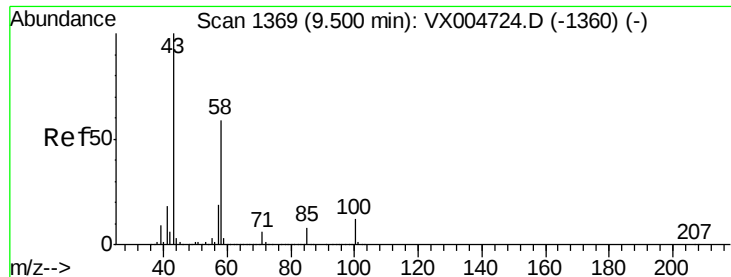
Tgt Ion: 63 Resp: 274679

Ion Ratio Lower Upper

63 100

106 26.1 23.9 35.9

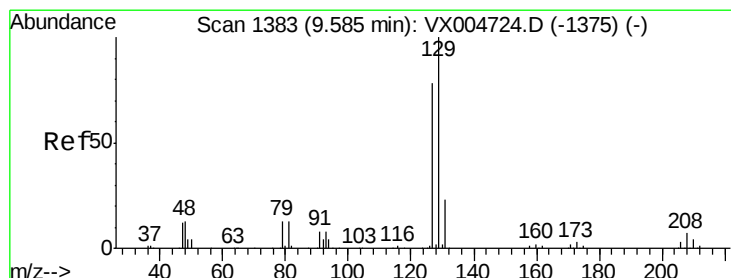
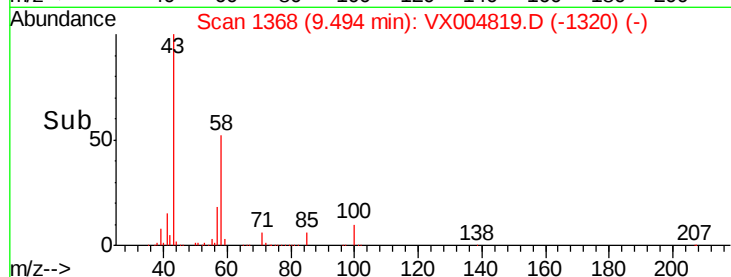
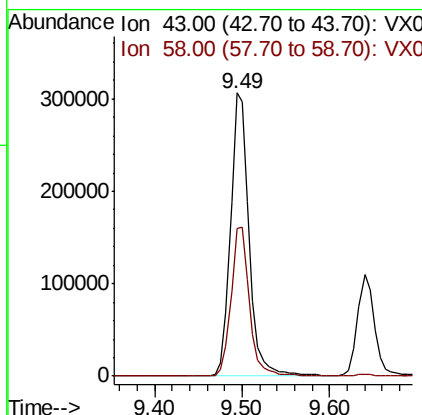
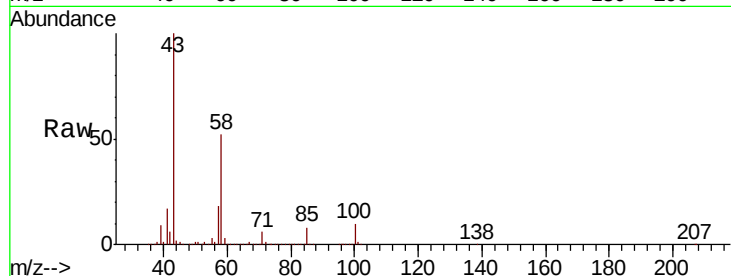




#59
2-Hexanone
Concen: 103.229 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

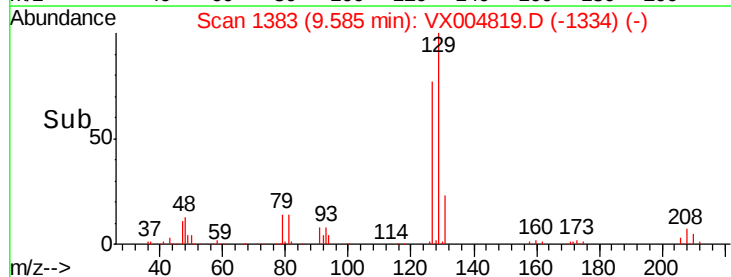
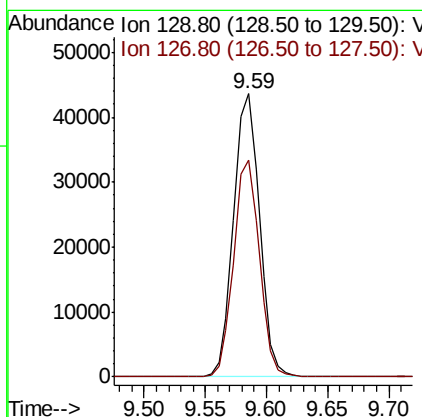
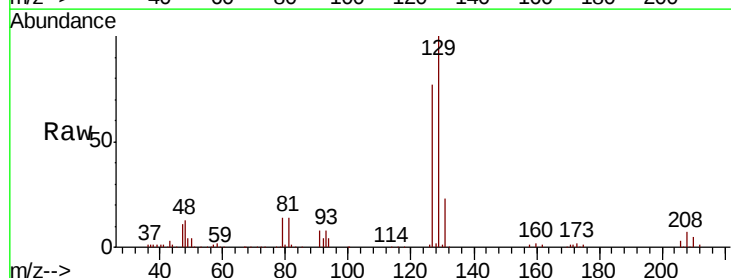
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

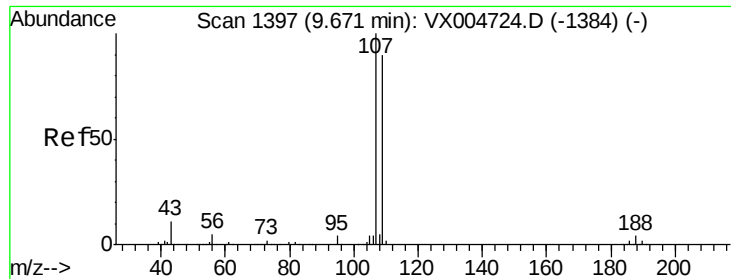
Tot Ion: 43 Resp: 450164
Ion Ratio Lower Upper
43 100
58 52.9 29.0 87.0



#60
Dibromochloromethane
Concen: 19.591 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 129 Resp: 64043
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.916 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

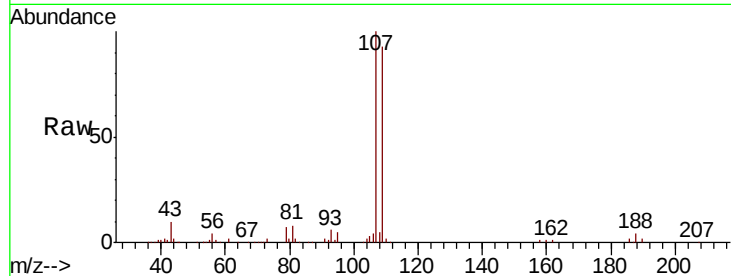
VX0928WBSD01

Tot Ion:107 Resp: 66220

Ion Ratio Lower Upper

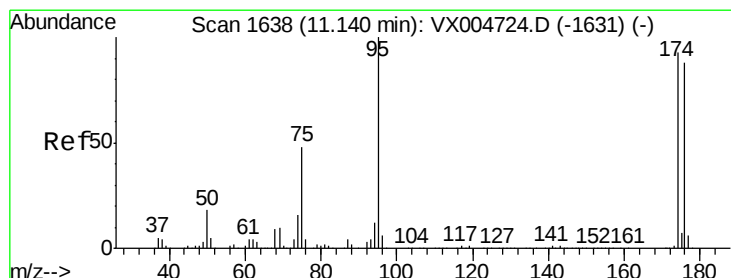
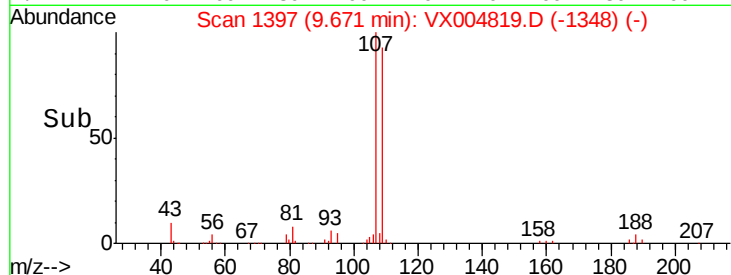
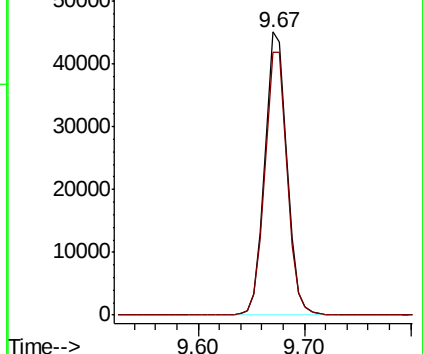
107 100

109 94.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.664 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

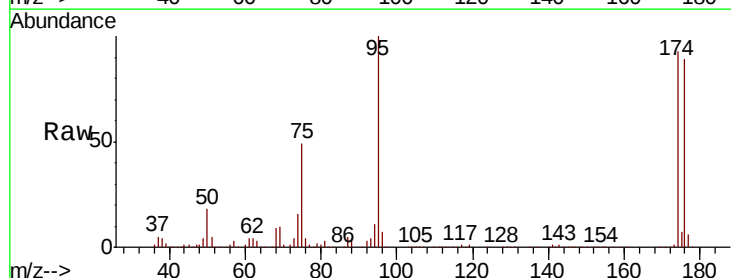
Tgt Ion: 95 Resp: 196734

Ion Ratio Lower Upper

95 100

174 89.2 0.0 185.2

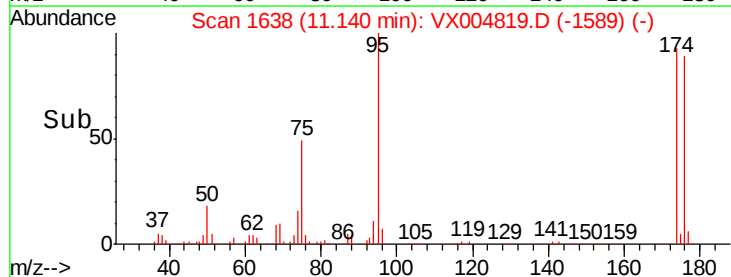
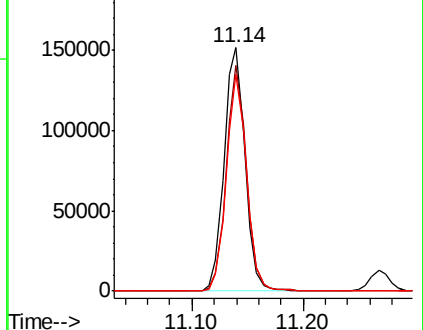
176 85.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

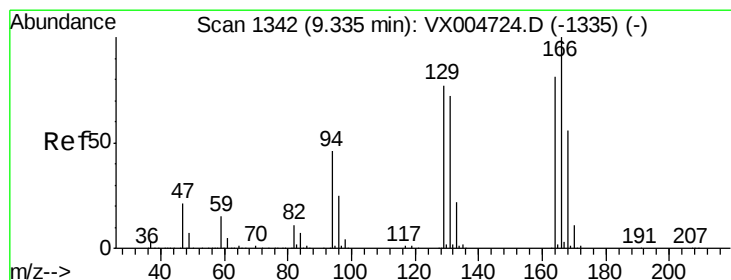
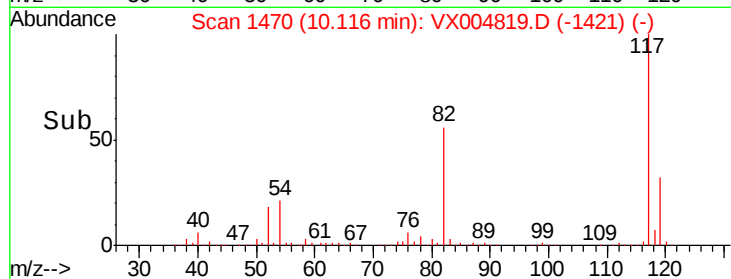
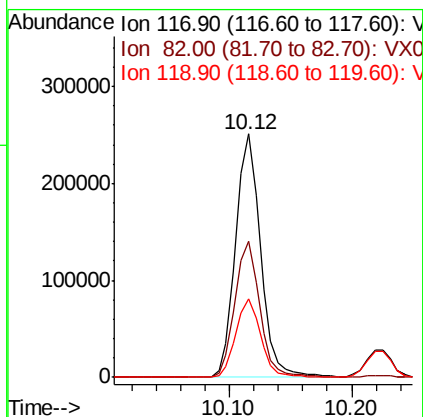
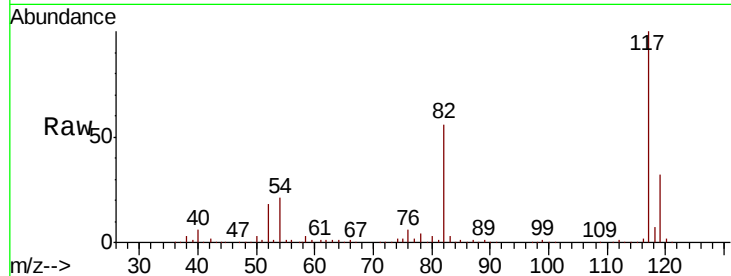




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

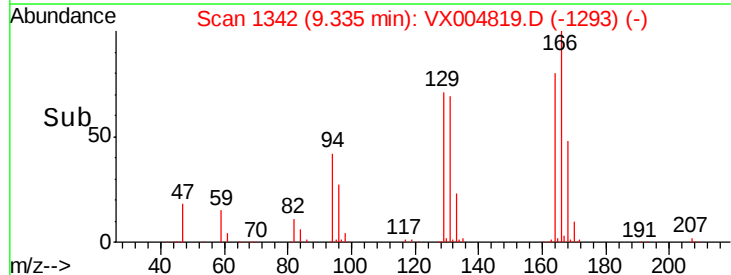
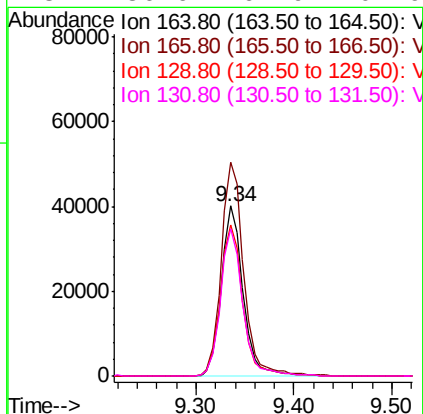
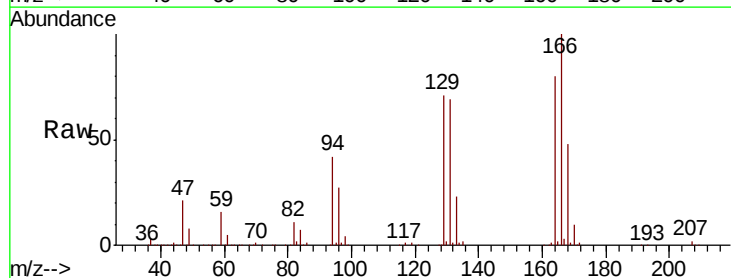
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion:117 Resp: 355211
Ion Ratio Lower Upper
117 100
82 55.7 47.8 71.6
119 32.5 29.3 43.9



#64
Tetrachloroethene
Concen: 17.745 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion:164 Resp: 62036
Ion Ratio Lower Upper
164 100
166 125.7 102.8 154.2
129 88.6 69.4 104.0
131 86.6 67.9 101.9





#65

Chlorobenzene

Concen: 19.091 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

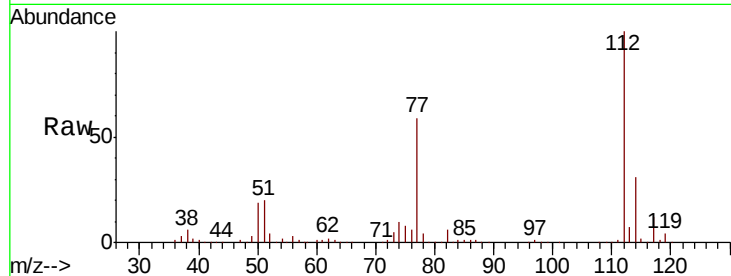
VX0928WBSD01

Tot Ion:112 Resp: 173892

Ion Ratio Lower Upper

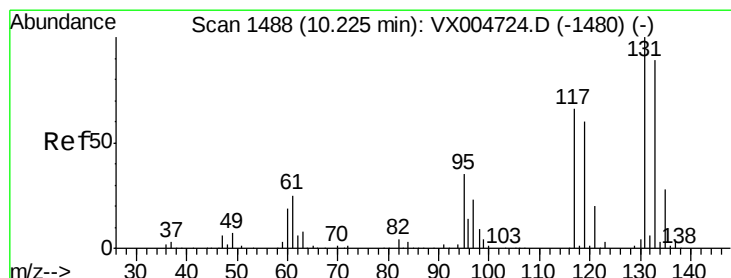
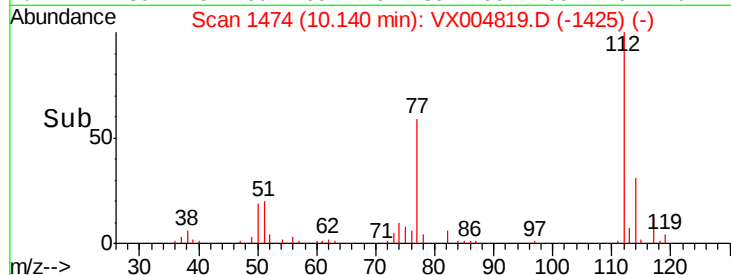
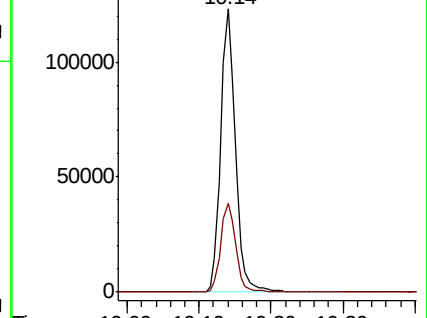
112 100

114 31.4 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.652 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

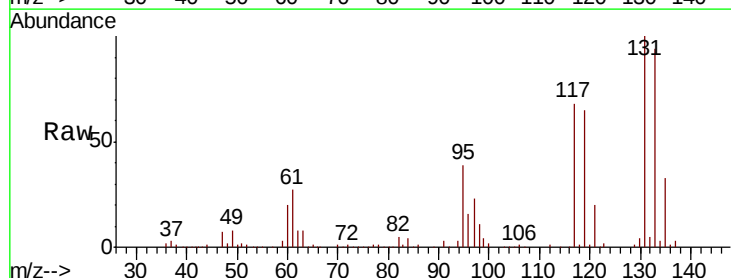
Tgt Ion:131 Resp: 59729

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.4

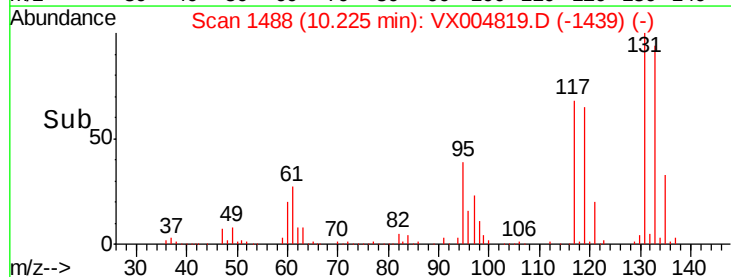
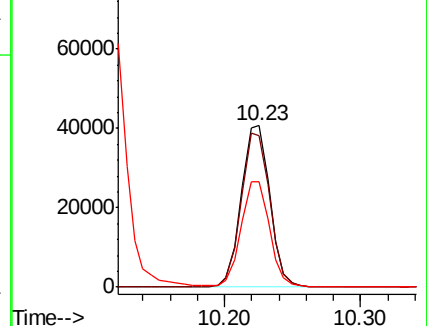
119 66.0 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.827 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

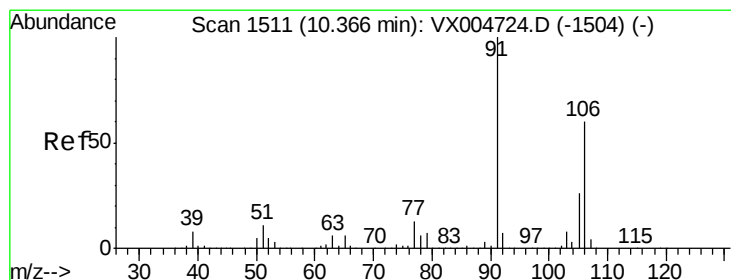
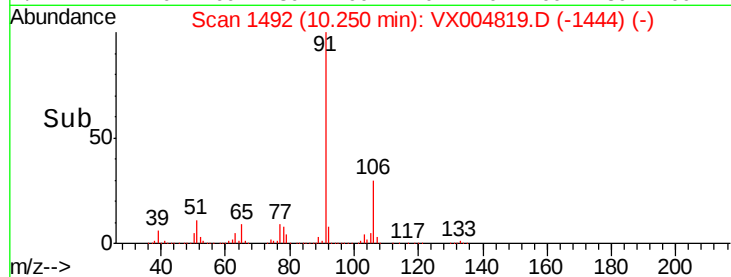
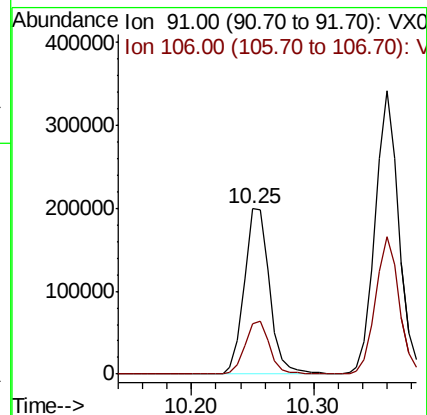
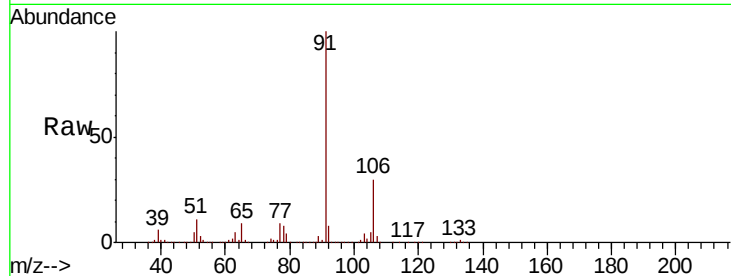
VX0928WBSD01

Tot Ion: 91 Resp: 286719

Ion Ratio Lower Upper

91 100

106 30.4 25.9 38.9



#68

m/p-Xylenes

Concen: 40.291 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004819.D

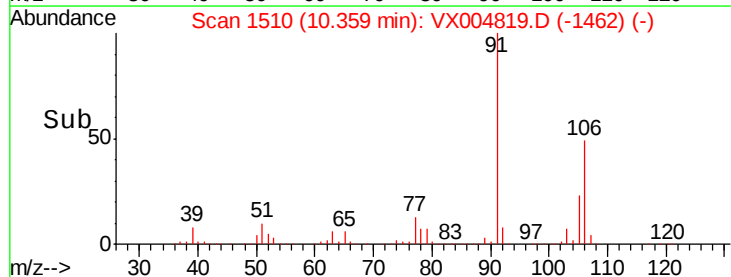
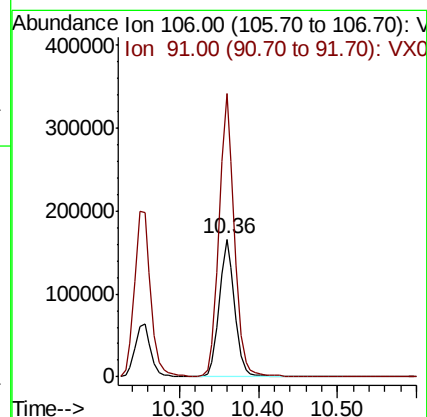
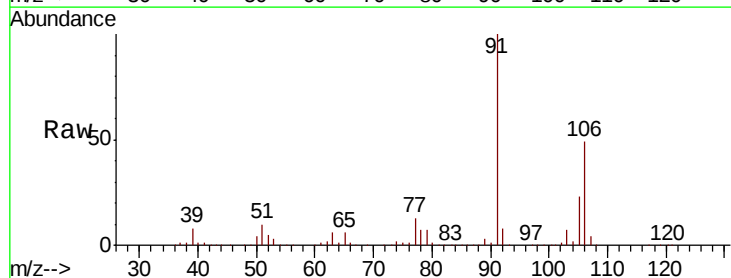
Acq: 28 Sep 2018 14:18

Tgt Ion: 106 Resp: 227682

Ion Ratio Lower Upper

106 100

91 203.8 157.1 235.7

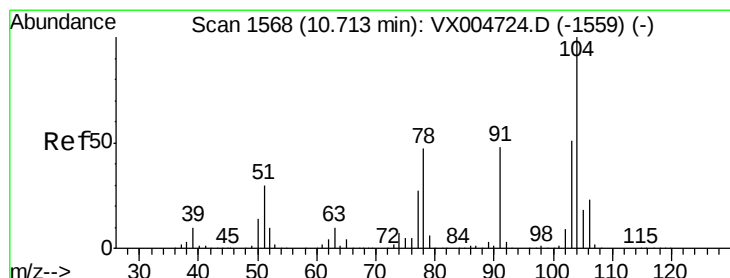
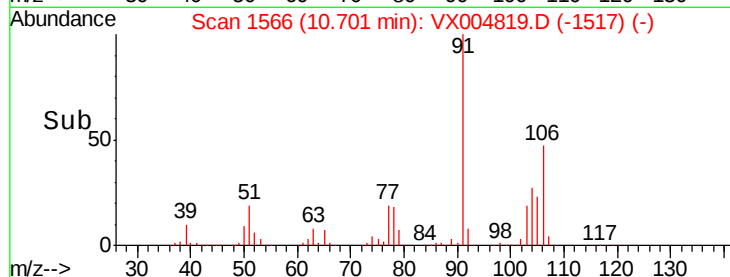
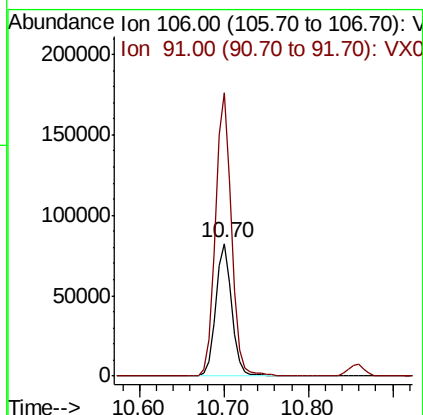
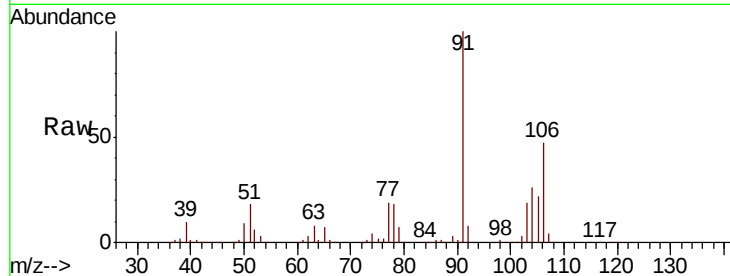




#69
o-Xylene
Concen: 20.908 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

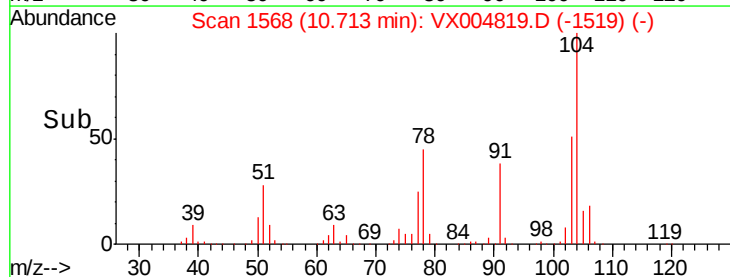
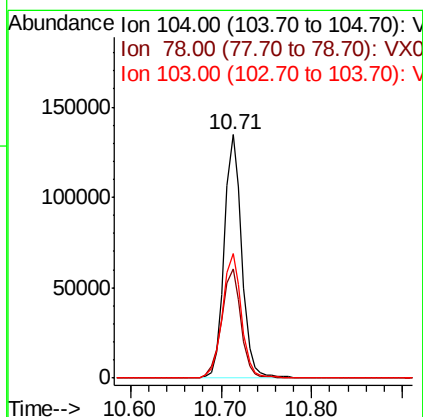
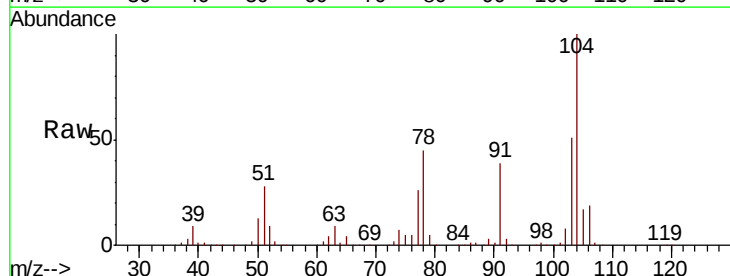
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

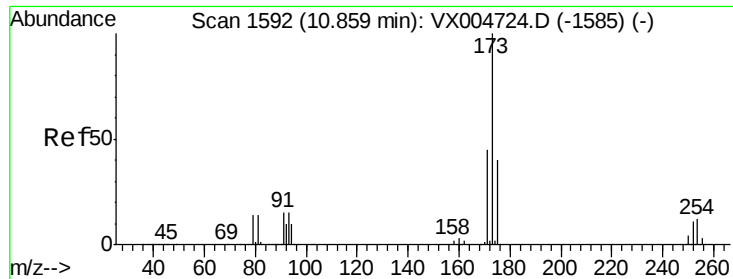
Tot Ion:106 Resp: 108520
Ion Ratio Lower Upper
106 100
91 215.0 105.1 315.1



#70
Styrene
Concen: 20.018 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion:104 Resp: 181311
Ion Ratio Lower Upper
104 100
78 50.0 37.4 56.0
103 55.9 43.8 65.6

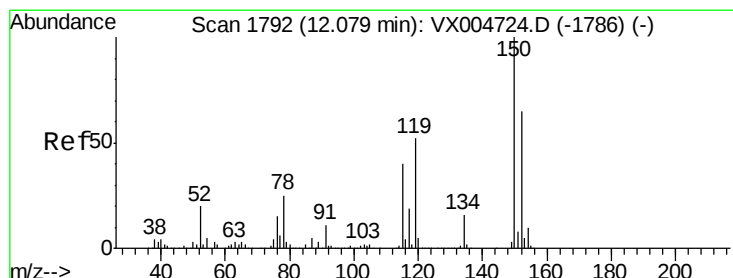
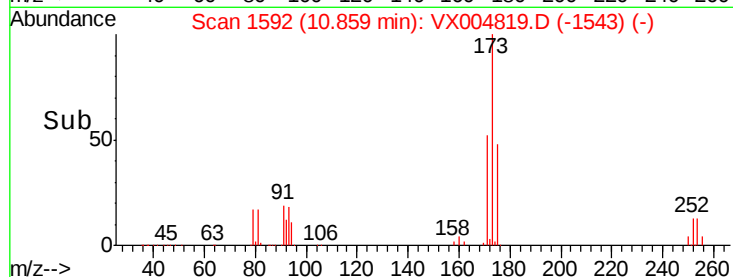
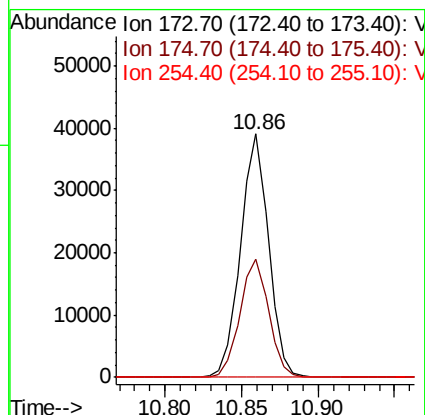
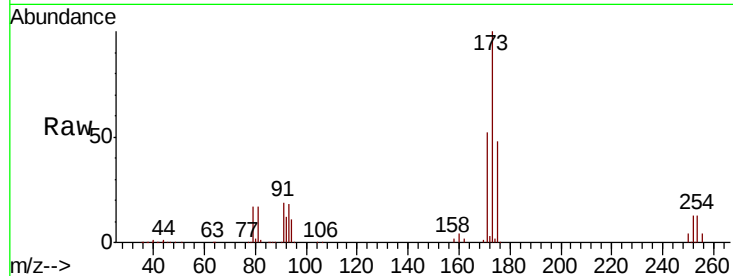




#71
Bromoform
Concen: 18.114 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

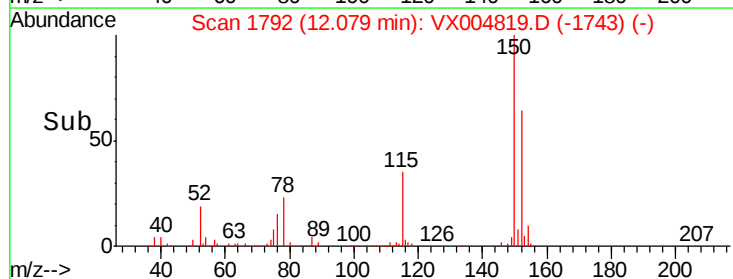
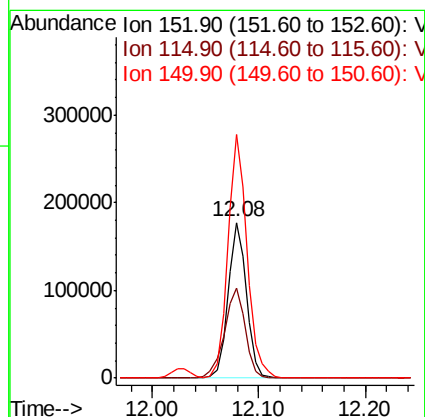
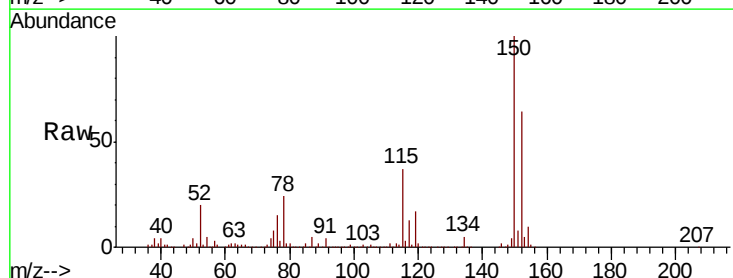
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

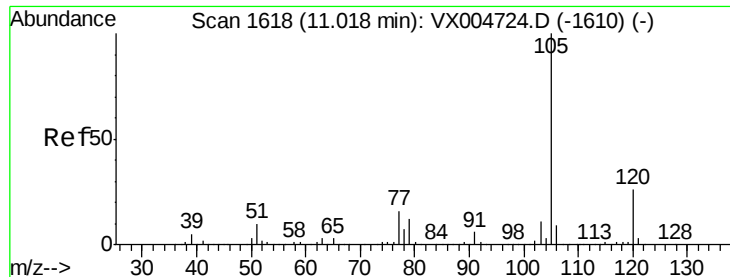
Tot Ion:173 Resp: 49659
Ion Ratio Lower Upper
173 100
175 49.9 24.1 72.3
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion:152 Resp: 212641
Ion Ratio Lower Upper
152 100
115 65.5 39.0 117.0
150 163.8 0.0 351.0





#73

Isopropylbenzene

Concen: 21.884 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

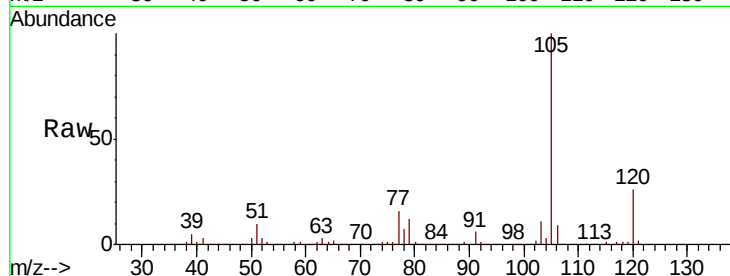
VX0928WBSD01

Tot Ion: 105 Resp: 293312

Ion Ratio Lower Upper

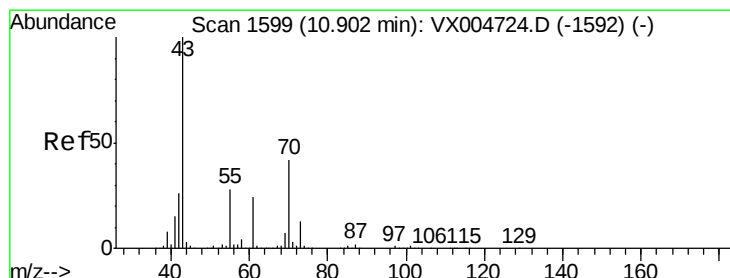
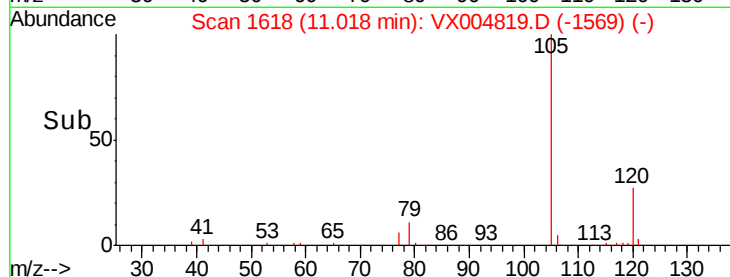
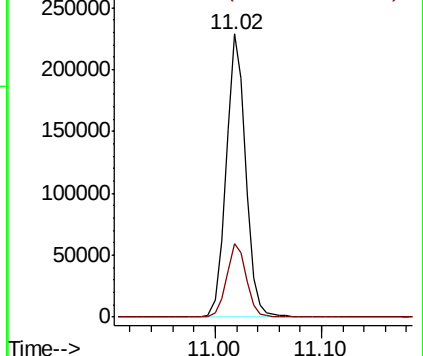
105 100

120 26.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.828 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion: 43 Resp: 138023

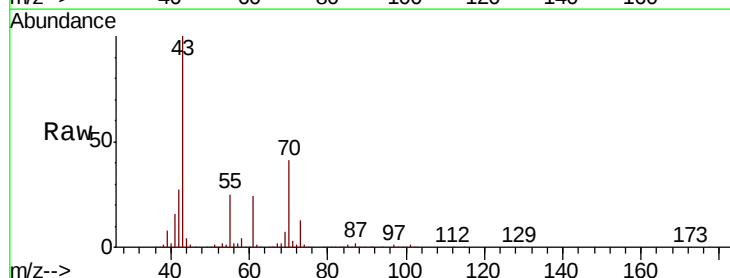
Ion Ratio Lower Upper

43 100

70 40.7 37.4 56.0

55 25.6 21.8 32.8

61 23.3 20.6 30.8

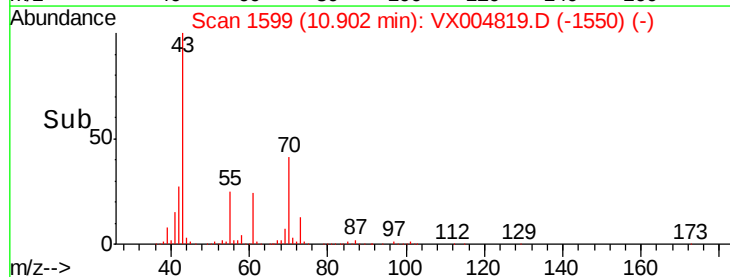
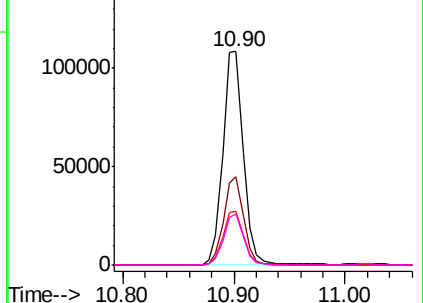


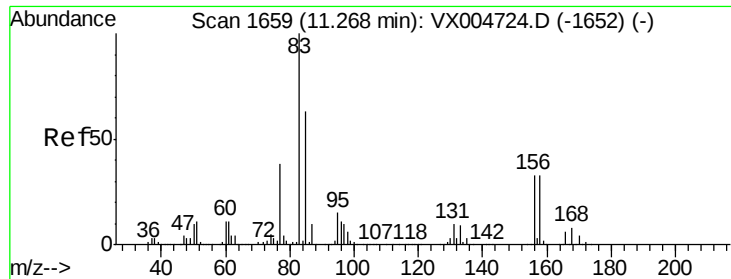
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.133 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

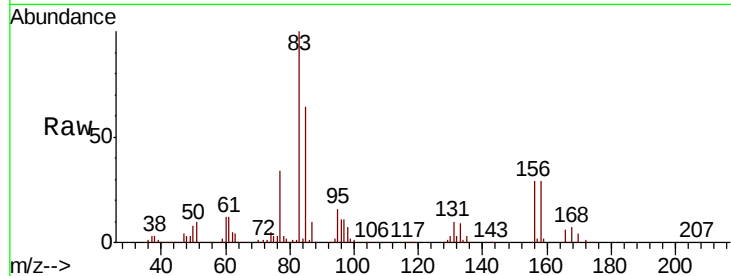
Tot Ion: 83 Resp: 104391

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

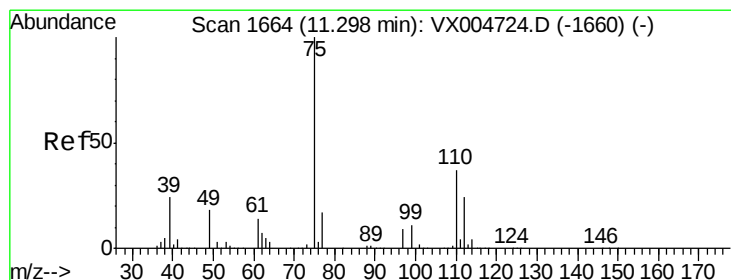
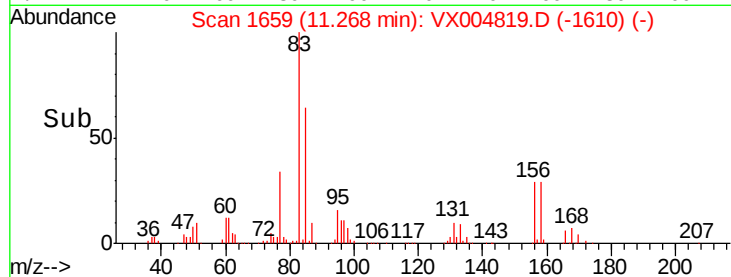
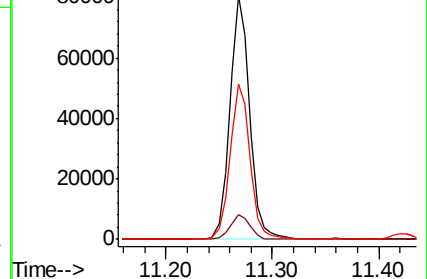
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.696 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004819.D

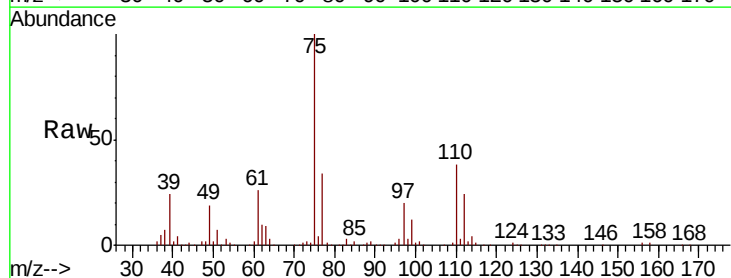
Acq: 28 Sep 2018 14:18

Tgt Ion: 75 Resp: 117702

Ion Ratio Lower Upper

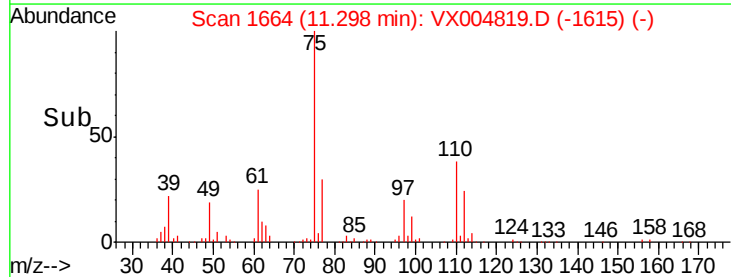
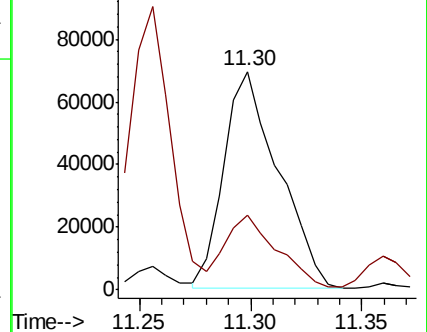
75 100

77 33.1 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.225 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

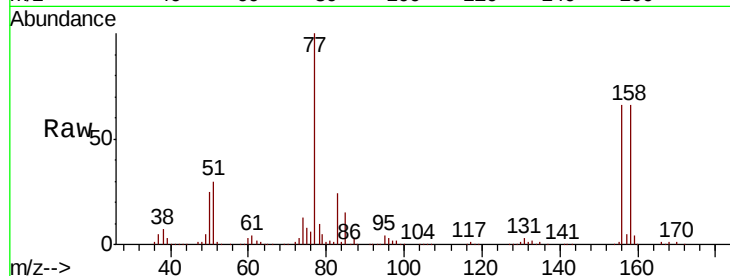
Tot Ion:156 Resp: 78737

Ion Ratio Lower Upper

156 100

77 149.6 71.5 214.3

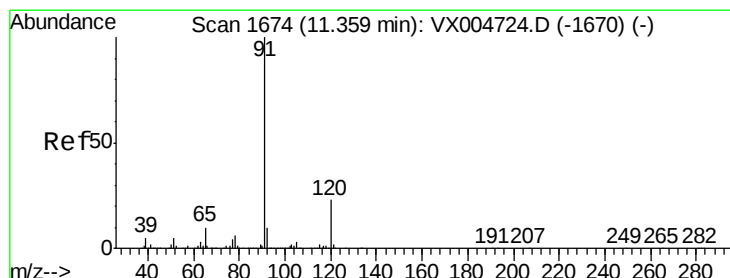
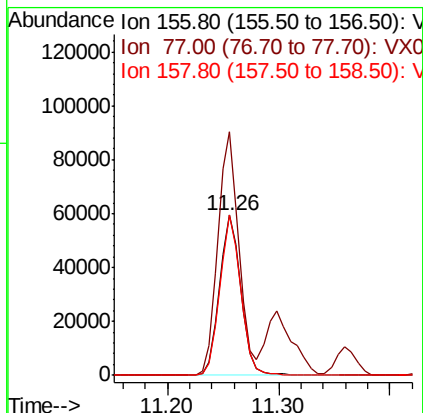
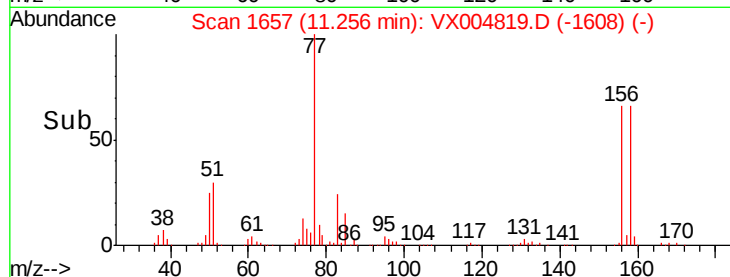
158 98.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.901 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004819.D

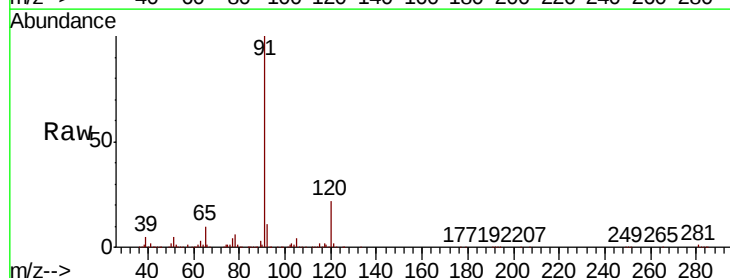
Acq: 28 Sep 2018 14:18

Tgt Ion: 91 Resp: 336800

Ion Ratio Lower Upper

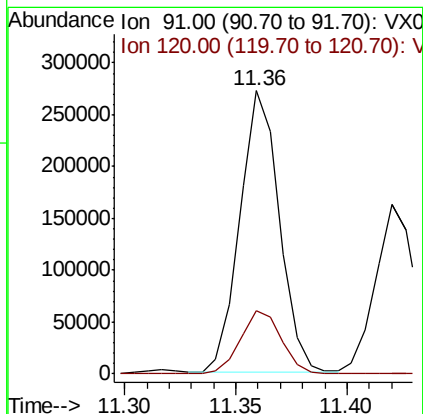
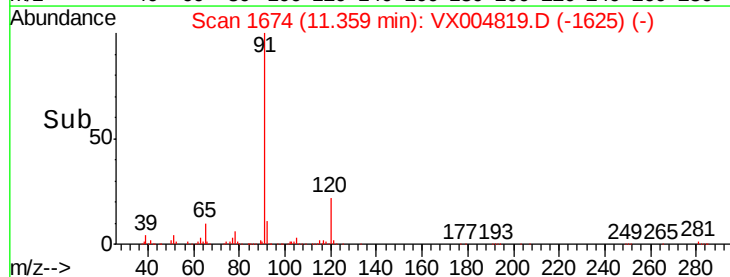
91 100

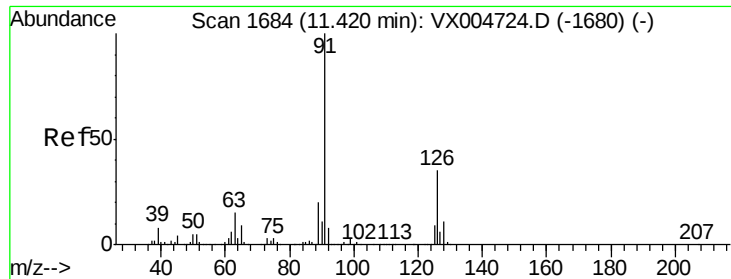
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.117 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

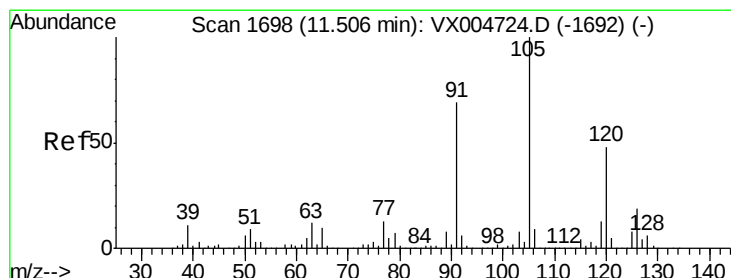
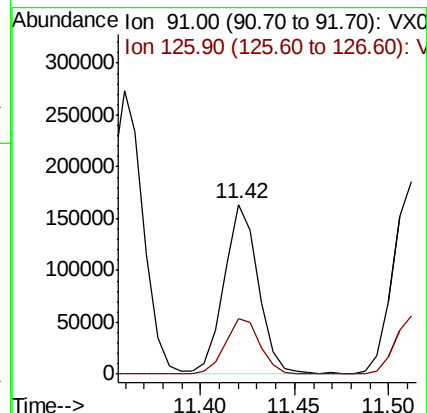
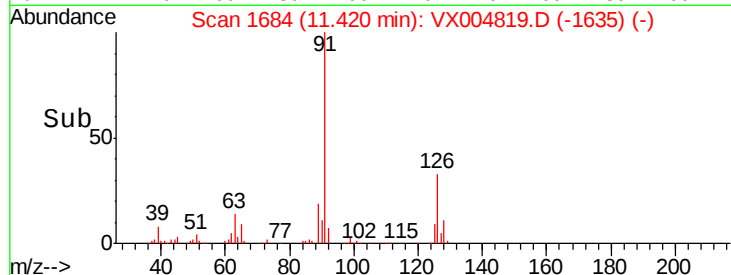
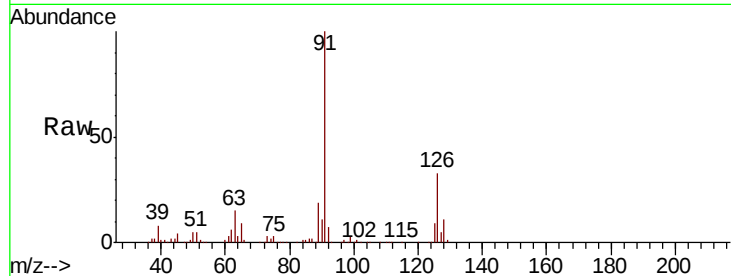
VX0928WBSD01

Tot Ion: 91 Resp: 202424

Ion Ratio Lower Upper

91 100

126 34.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.986 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004819.D

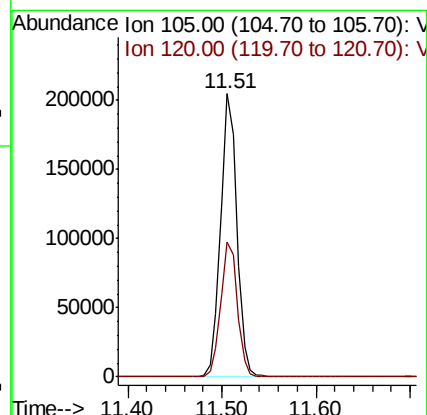
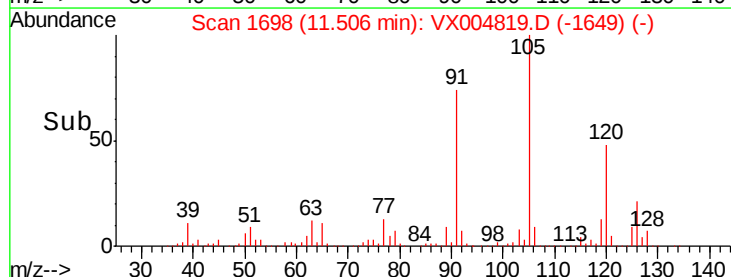
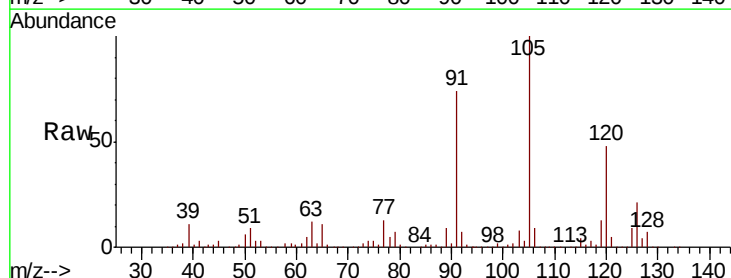
Acq: 28 Sep 2018 14:18

Tgt Ion: 105 Resp: 246978

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.292 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

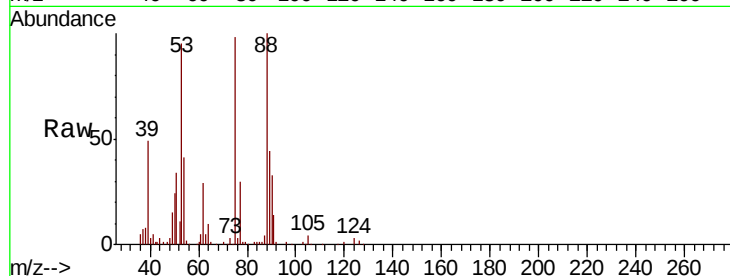
Tot Ion: 75 Resp: 27852

Ion Ratio Lower Upper

75 100

53 103.9 80.1 120.1

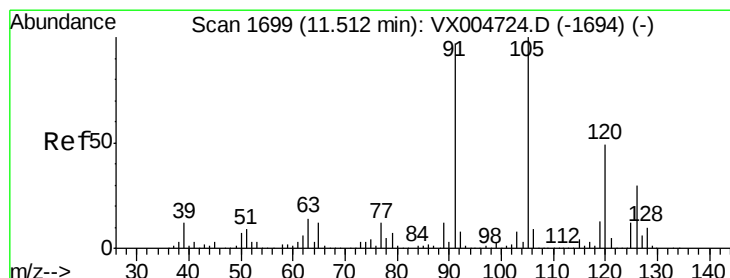
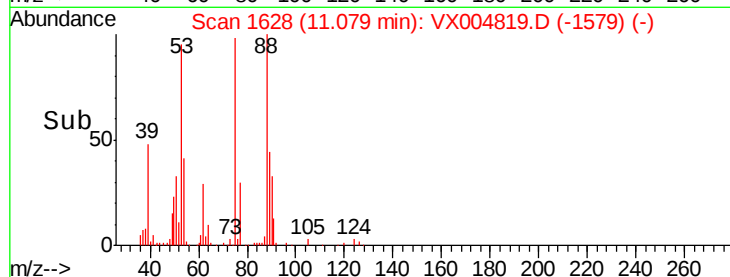
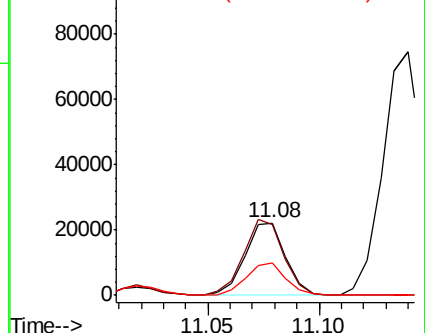
89 44.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.202 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004819.D

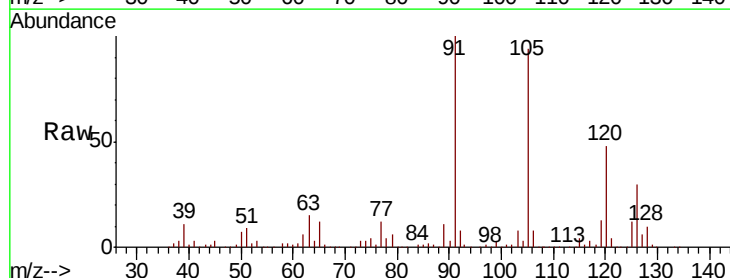
Acq: 28 Sep 2018 14:18

Tgt Ion: 91 Resp: 239212

Ion Ratio Lower Upper

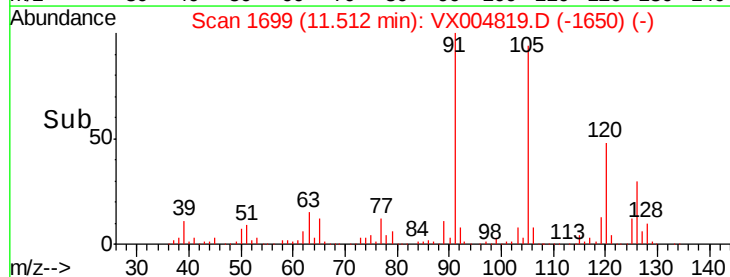
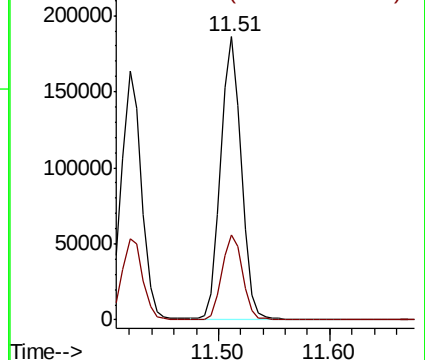
91 100

126 30.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.693 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

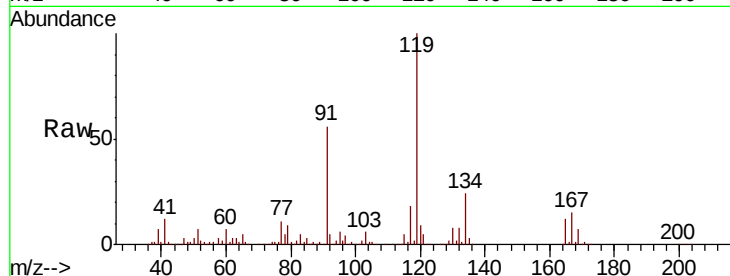
Tot Ion:119 Resp: 239381

Ion Ratio Lower Upper

119 100

91 56.3 27.0 81.0

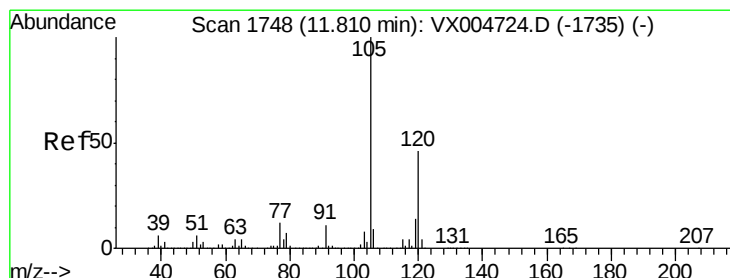
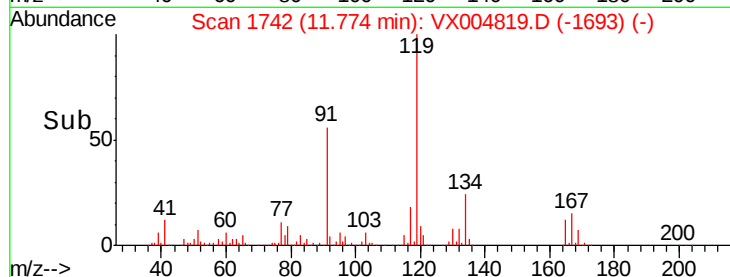
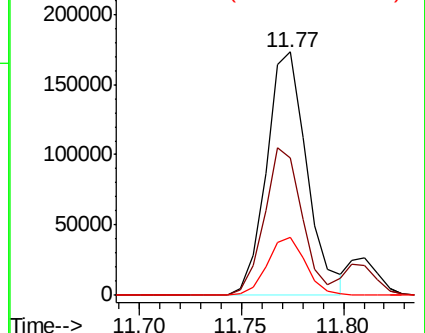
134 22.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.996 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004819.D

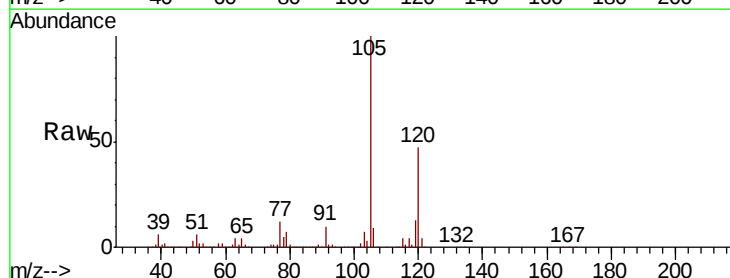
Acq: 28 Sep 2018 14:18

Tgt Ion:105 Resp: 254822

Ion Ratio Lower Upper

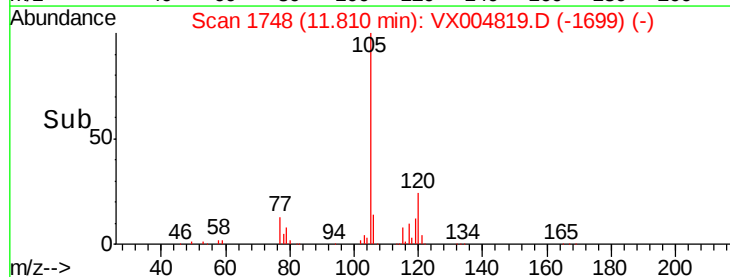
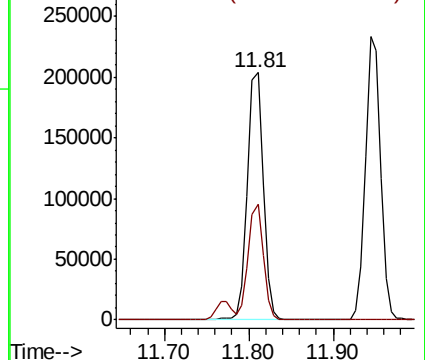
105 100

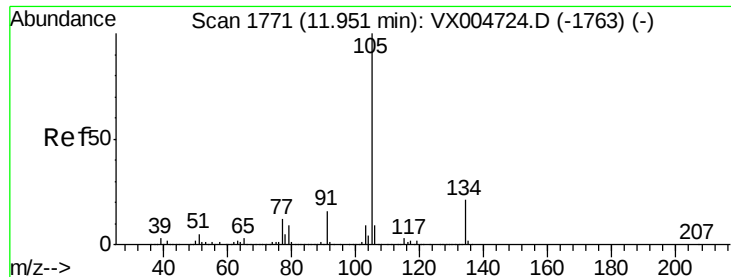
120 45.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

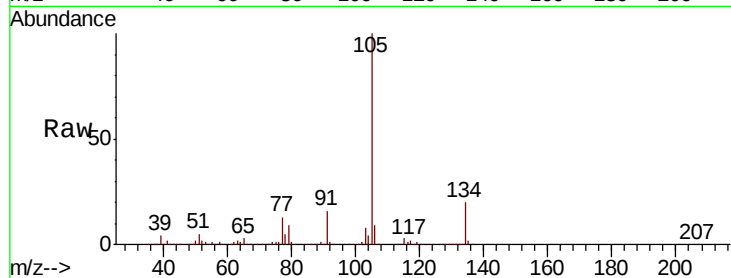
VX0928WBSD01

Tot Ion:105 Resp: 293727

Ion Ratio Lower Upper

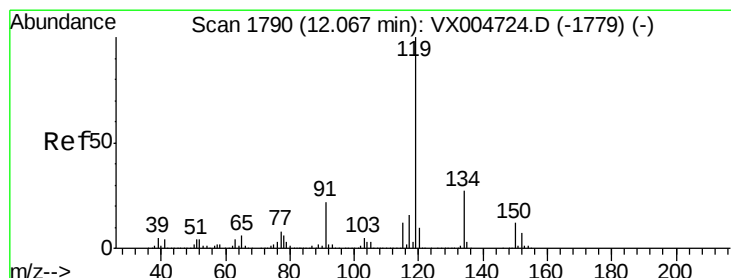
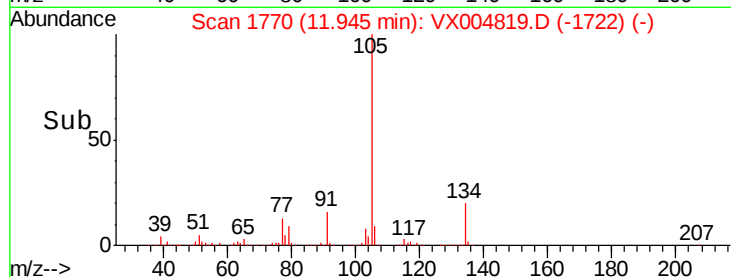
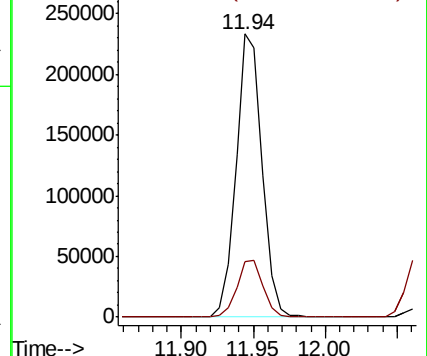
105 100

134 20.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.384 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

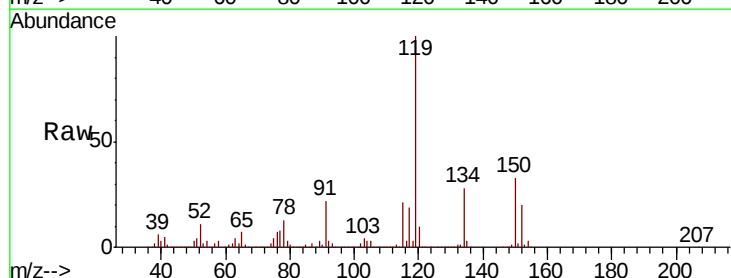
Tgt Ion:119 Resp: 260414

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

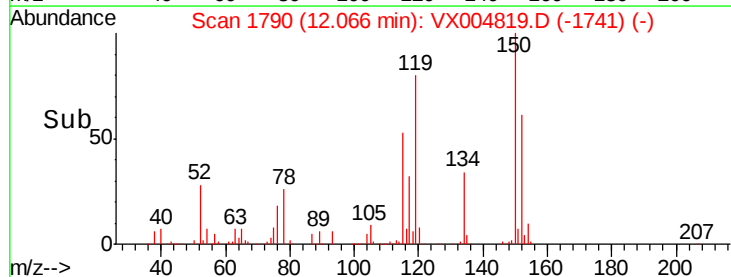
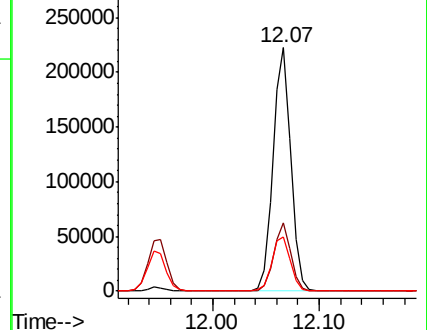
91 23.1 10.9 32.7

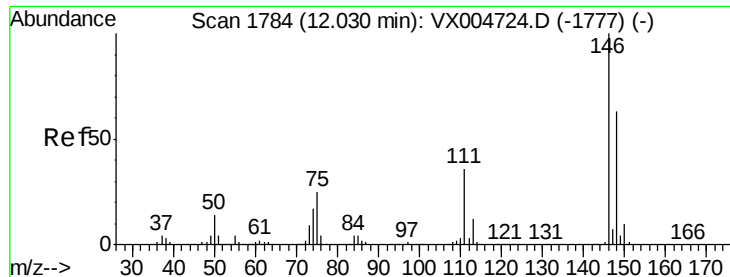


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

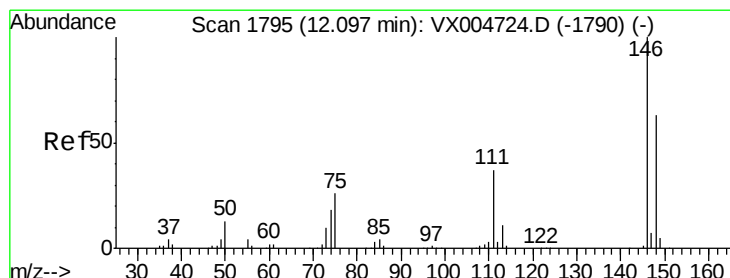
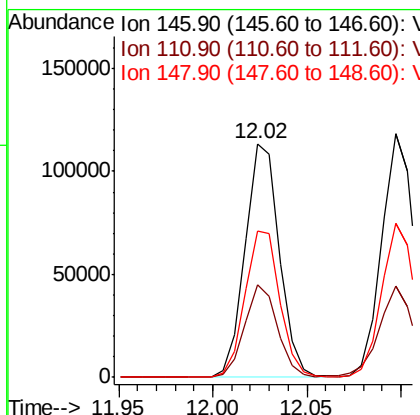
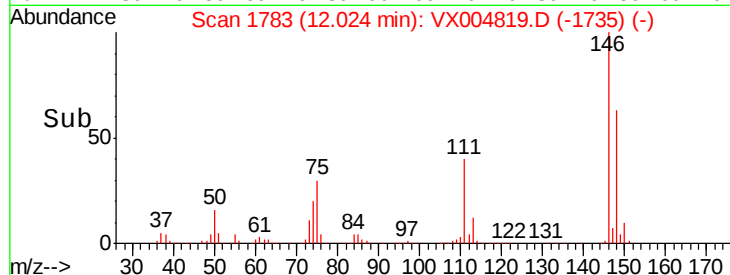
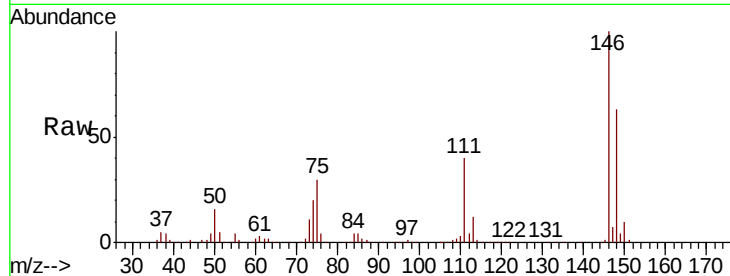




#87
 1,3-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

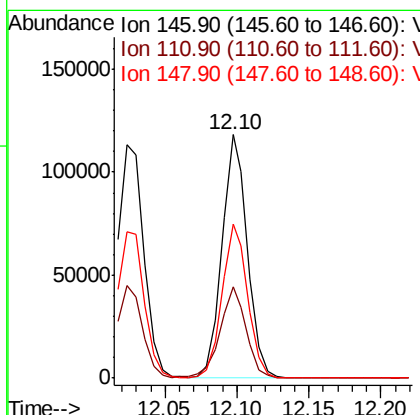
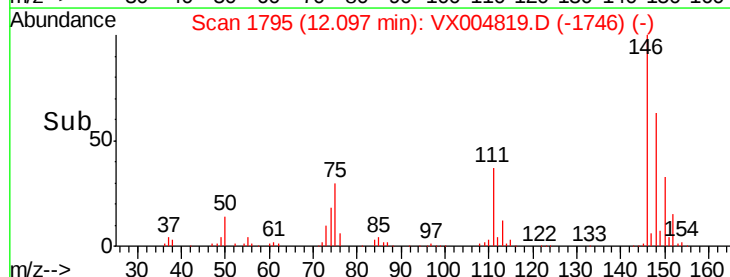
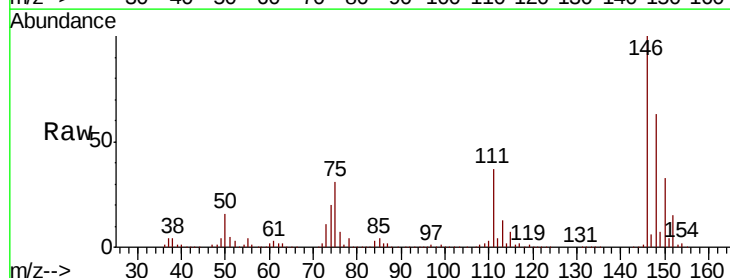
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

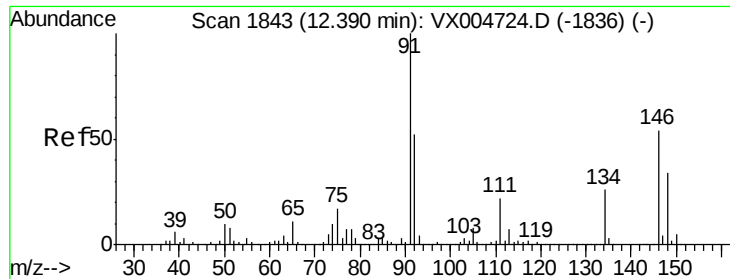
Tot Ion:146 Resp: 143490
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.7 56.1
 148 63.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.477 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion:146 Resp: 146158
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.1
 148 64.2 32.0 96.0

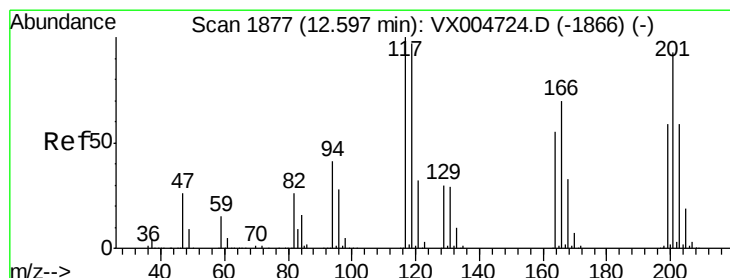
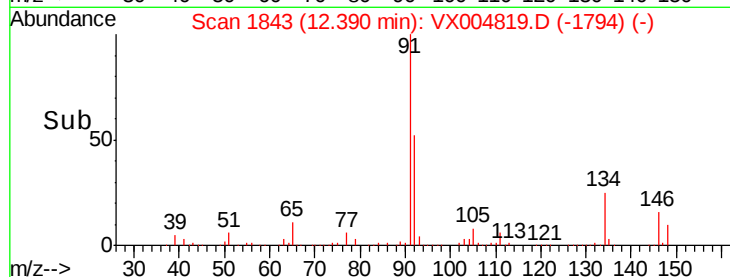
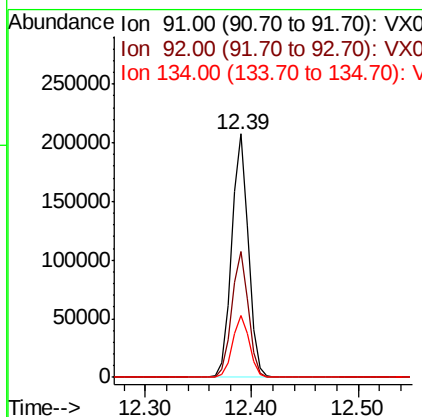
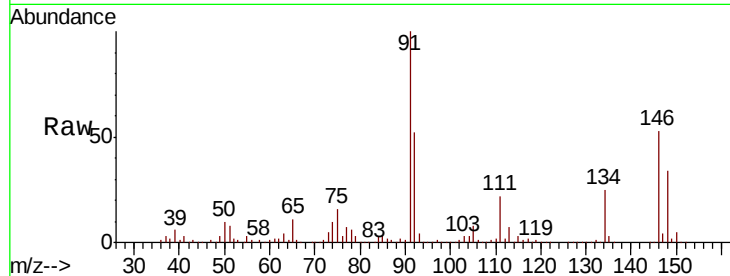




#89
n-Butylbenzene
Concen: 20.628 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

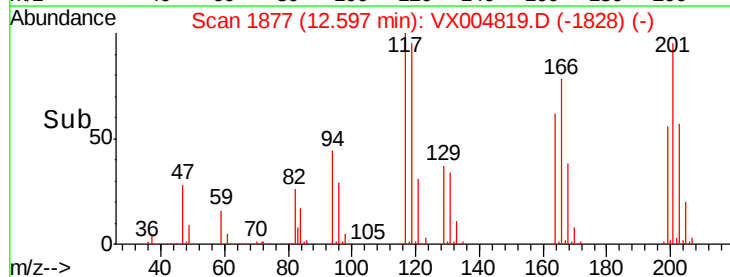
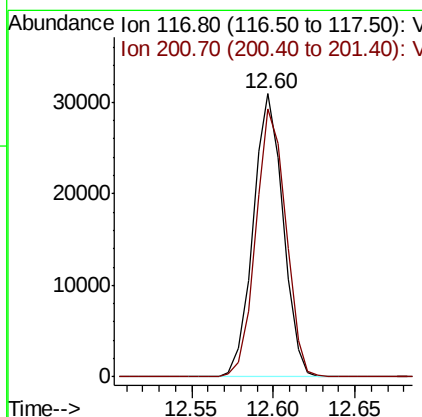
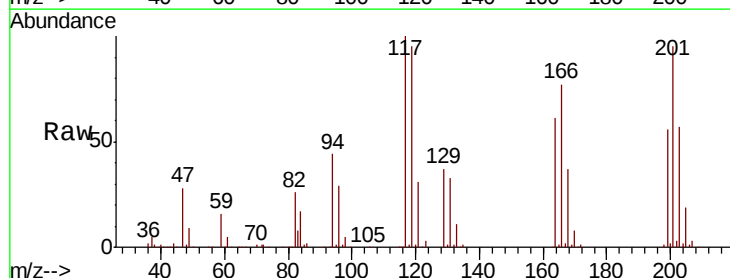
Instrument :
MSVOA_X
ClientSampleID :
VX0928WBSD01

Tot Ion: 91 Resp: 228143
Ion Ratio Lower Upper
91 100
92 51.7 27.3 81.9
134 25.7 13.6 40.7



#90
Hexachloroethane
Concen: 19.507 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 117 Resp: 39551
Ion Ratio Lower Upper
117 100
201 94.9 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 18.973 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

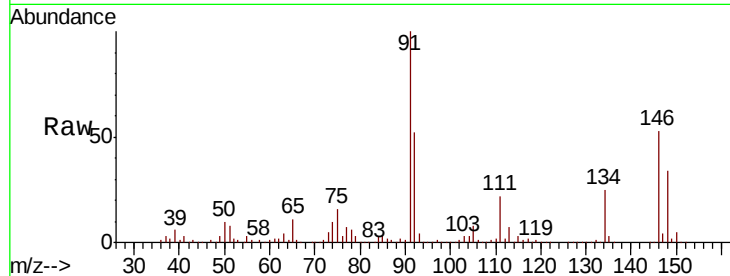
Tot Ion:146 Resp: 144138

Ion Ratio Lower Upper

146 100

111 40.4 19.4 58.1

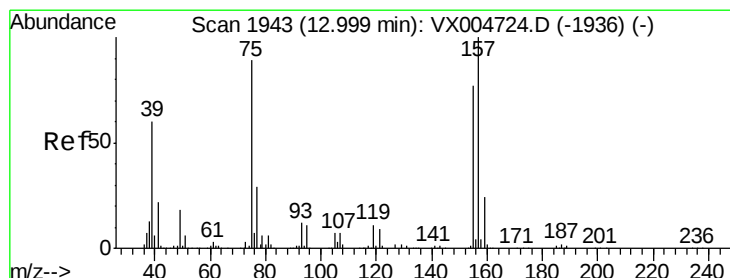
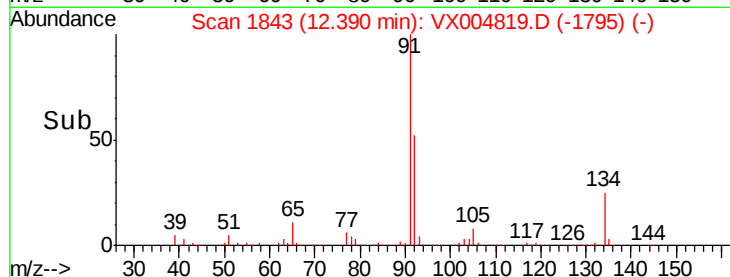
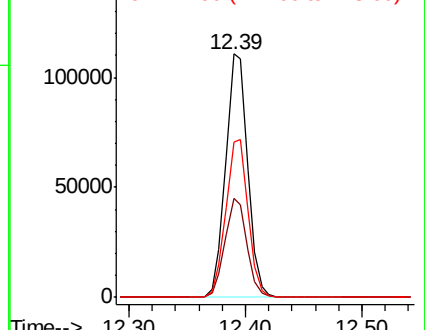
148 65.5 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.197 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

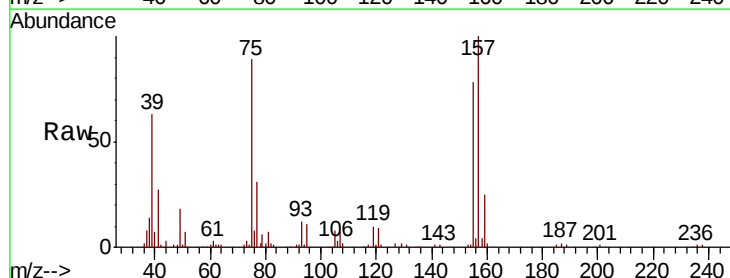
Tgt Ion: 75 Resp: 24195

Ion Ratio Lower Upper

75 100

155 89.1 48.0 144.2

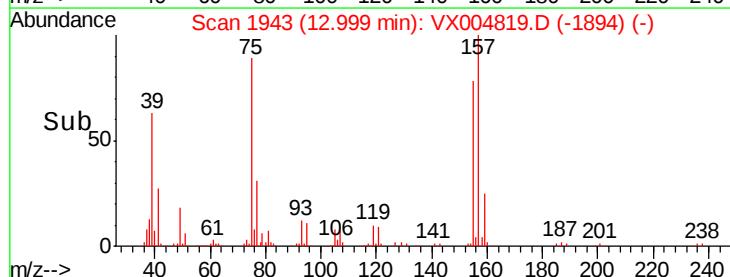
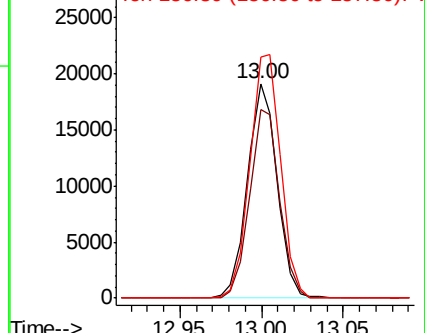
157 118.3 61.4 184.1

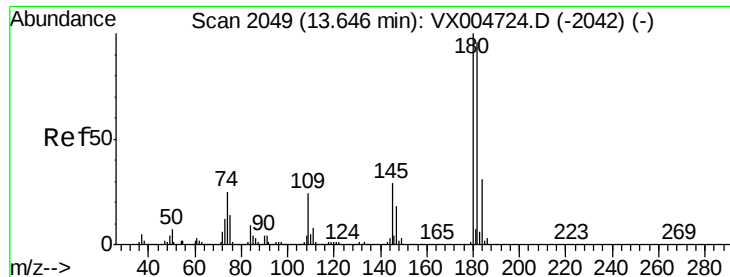


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.398 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

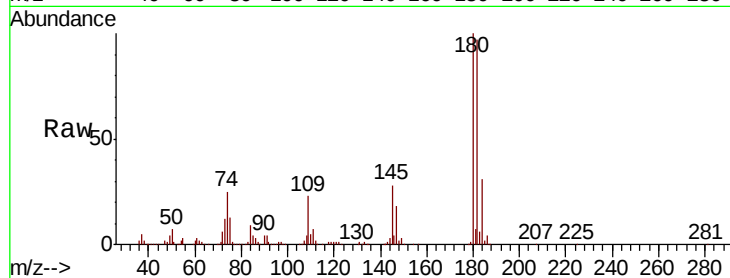
Tot Ion:180 Resp: 103375

Ion Ratio Lower Upper

180 100

182 96.4 48.4 145.0

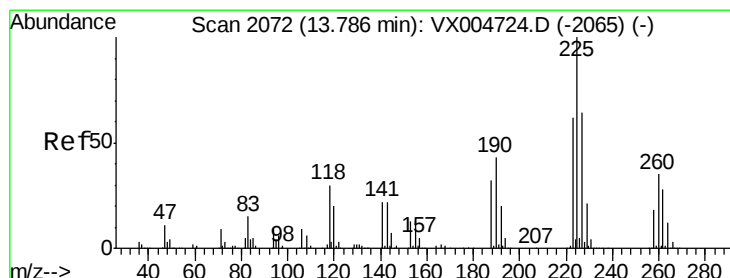
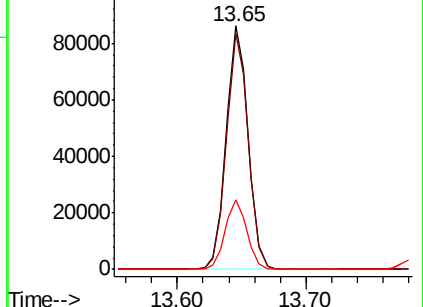
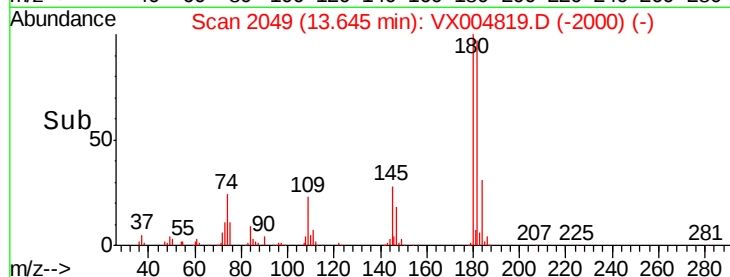
145 28.3 14.3 42.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.550 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

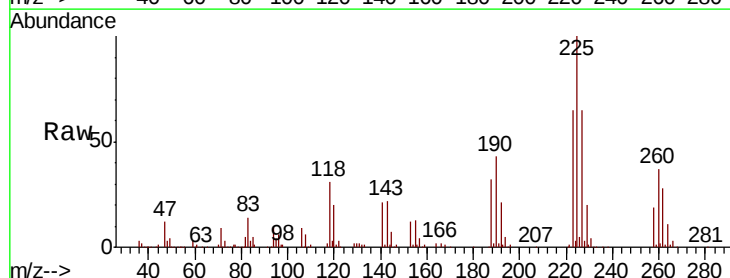
Tgt Ion:225 Resp: 51260

Ion Ratio Lower Upper

225 100

223 62.9 30.1 90.5

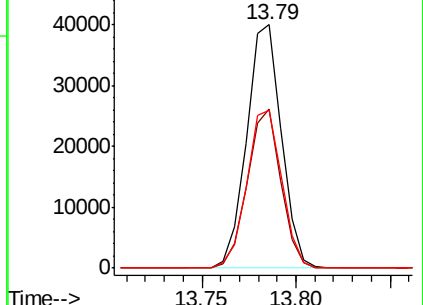
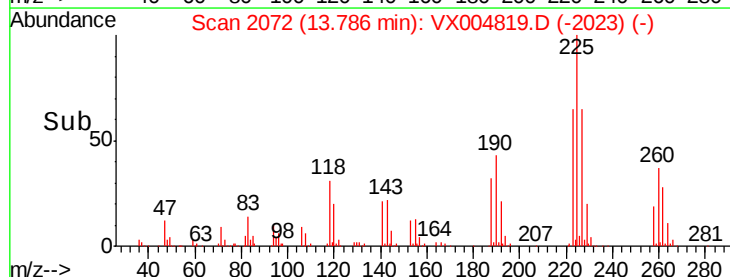
227 64.9 30.8 92.4

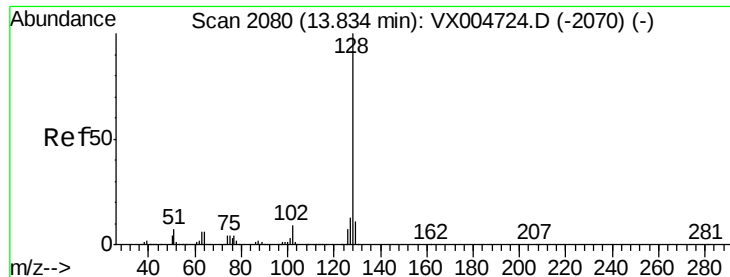


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

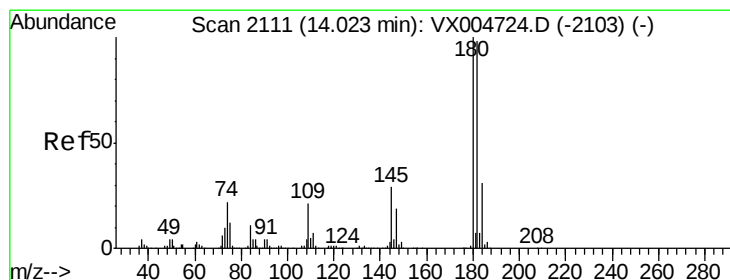
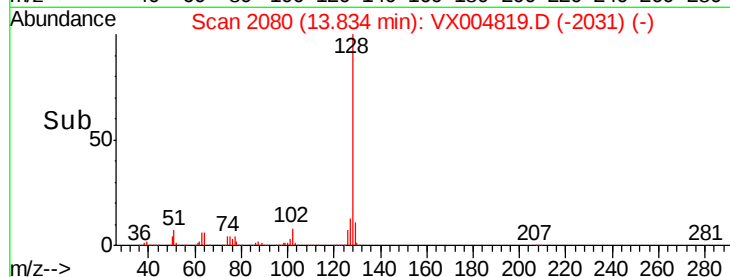
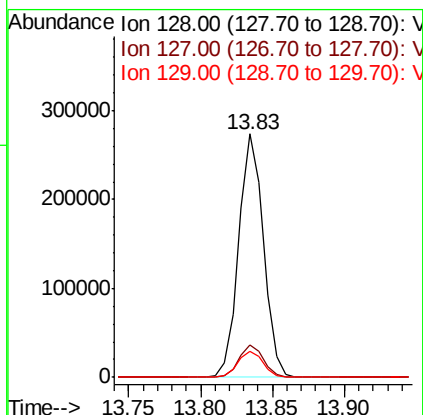
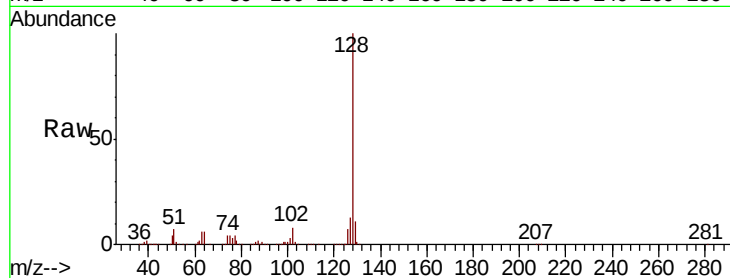




#95
Naphthalene
Concen: 18.987 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion:128 Resp: 327824
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.573 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion:180 Resp: 107749
Ion Ratio Lower Upper
180 100
182 95.2 48.5 145.6
145 30.1 14.9 44.9

