

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004500.D
 Acq On : 12 Sep 2018 17:42
 Operator : JC/MD
 Sample : VX0912MBSD02
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Quant Time: Sep 13 01:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176029	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.51	113	152487	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
50) Toluene-d8	8.72	98	594782	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.14	95	214513	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52192	21.02	ug/l	97
3) Chloromethane	1.32	50	69667	20.39	ug/l	100
4) Vinyl Chloride	1.40	62	73849	21.06	ug/l	97
5) Bromomethane	1.64	94	36419	24.19	ug/l	98
6) Chloroethane	1.71	64	45402	20.02	ug/l	97
7) Trichlorofluoromethane	1.92	101	94986	20.43	ug/l	96
8) Diethyl Ether	2.19	74	44500	21.35	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61316	20.79	ug/l	99
10) Methyl Iodide	2.51	142	61580	20.24	ug/l	99
11) Tert butyl alcohol	3.07	59	91527	112.30	ug/l	100
12) 1,1-Dichloroethene	2.37	96	58038	20.97	ug/l	99
13) Acrolein	2.29	56	33674	104.67	ug/l	97
14) Allyl chloride	2.73	41	116568	20.48	ug/l	95
15) Acrylonitrile	3.15	53	214376	109.23	ug/l	99
16) Acetone	2.45	43	167248	100.32	ug/l	97
17) Carbon Disulfide	2.57	76	159081	19.88	ug/l	99
18) Methyl Acetate	2.78	43	98165	20.99	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	207667	21.38	ug/l	98
20) Methylene Chloride	2.85	84	68749	20.10	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	63714	20.83	ug/l	98
22) Diisopropyl ether	3.87	45	215398	21.02	ug/l	98
23) Vinyl Acetate	3.82	43	943754	113.79	ug/l	97
24) 1,1-Dichloroethane	3.70	63	123806	21.40	ug/l	98
25) 2-Butanone	4.71	43	258005	97.24	ug/l	96
26) 2,2-Dichloropropane	4.58	77	76048	19.14	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	68546	20.08	ug/l	99
28) Bromochloromethane	5.02	49	56664	21.41	ug/l	96
29) Tetrahydrofuran	5.17	42	169922	106.20	ug/l	97
30) Chloroform	5.22	83	111589	19.75	ug/l	98
31) Cyclohexane	5.57	56	101666	20.58	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	92884	20.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84005	17.90	ug/l	99
37) Ethyl Acetate	4.86	43	95513	17.89	ug/l	99
38) Carbon Tetrachloride	5.79	117	79421	17.33	ug/l	90

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 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0912MBSD02

Quant Time: Sep 13 01:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	99333	20.28	ug/l	96
40) Benzene	6.14	78	261402	18.77	ug/l	98
41) Methacrylonitrile	5.06	41	53513	18.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	86309	18.69	ug/l	99
43) Isopropyl Acetate	6.47	43	142273	20.07	ug/l	100
44) Trichloroethene	7.21	130	73782	20.40	ug/l	98
45) 1,2-Dichloropropane	7.52	63	67501	20.15	ug/l	100
46) Dibromomethane	7.66	93	43032	20.33	ug/l	98
47) Bromodichloromethane	7.90	83	77275	19.30	ug/l	98
48) Methyl methacrylate	7.78	41	72918	20.78	ug/l	97
49) 1,4-Dioxane	7.76	88	36322	437.41	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	486484	97.24	ug/l	98
52) Toluene	8.79	92	162846	19.85	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87362	18.68	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	98048	20.57	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	66845	18.92	ug/l	97
56) Ethyl methacrylate	9.18	69	97588	19.53	ug/l	98
57) 1,3-Dichloropropane	9.37	76	109790	19.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	253678	104.01	ug/l	96
59) 2-Hexanone	9.50	43	374046	97.47	ug/l	98
60) Dibromochloromethane	9.59	129	62050	18.66	ug/l	99
61) 1,2-Dibromoethane	9.68	107	68701	20.36	ug/l	99
64) Tetrachloroethene	9.34	164	85783	18.78	ug/l	97
65) Chlorobenzene	10.14	112	181238	19.94	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	61114	19.50	ug/l	99
67) Ethyl Benzene	10.26	91	301738	20.42	ug/l	98
68) m/p-Xylenes	10.36	106	239084	42.00	ug/l	98
69) o-Xylene	10.70	106	114207	20.87	ug/l	99
70) Styrene	10.71	104	190019	20.96	ug/l	99
71) Bromoform	10.86	173	46654	18.13	ug/l #	97
73) Isopropylbenzene	11.02	105	308438	21.69	ug/l	100
74) N-amyl acetate	10.90	43	125377	20.95	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	92727	20.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112299	25.85	ug/l	88
77) Bromobenzene	11.26	156	80963	20.60	ug/l	97
78) n-propylbenzene	11.36	91	355792	21.76	ug/l	99
79) 2-Chlorotoluene	11.42	91	210469	21.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	258493	21.62	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	27373	20.09	ug/l	98
82) 4-Chlorotoluene	11.51	91	245241	21.19	ug/l	100
83) tert-Butylbenzene	11.77	119	239757	21.07	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	272589	22.33	ug/l	99
85) sec-Butylbenzene	11.95	105	311421	21.47	ug/l	99
86) p-Isopropyltoluene	12.07	119	277903	21.70	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150571	20.53	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	151539	20.00	ug/l	99
89) n-Butylbenzene	12.39	91	238322	20.42	ug/l	98
90) Hexachloroethane	12.60	117	39300	19.17	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	151072	20.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20572	21.01	ug/l	99

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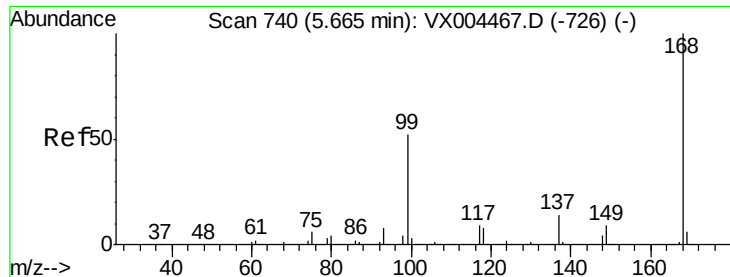
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Quant Time: Sep 13 01:04:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107956	20.54	ug/l	98
94) Hexachlorobutadiene	13.79	225	53040	19.32	ug/l	98
95) Naphthalene	13.83	128	320949	21.77	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110459	20.46	ug/l	99

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

Page: 4



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

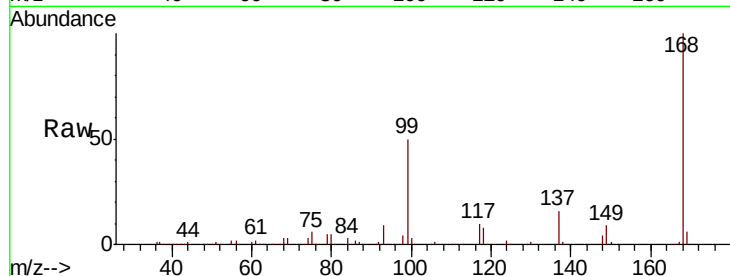
VX0912MBS02

Tot Ion:168 Resp: 264902

Ion Ratio Lower Upper

168 100

99 49.5 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

100000

80000

60000

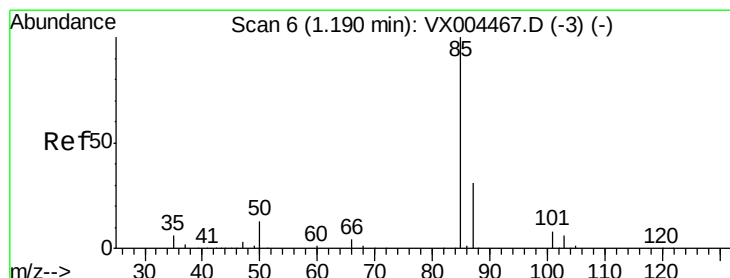
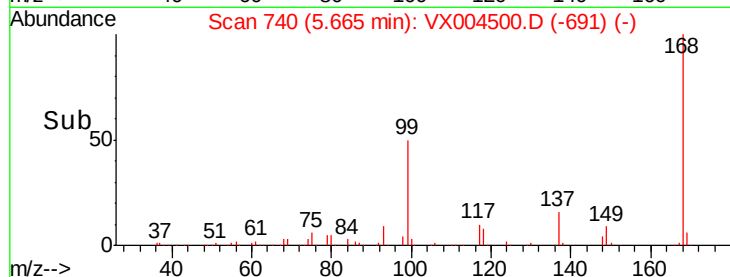
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 21.02 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004500.D

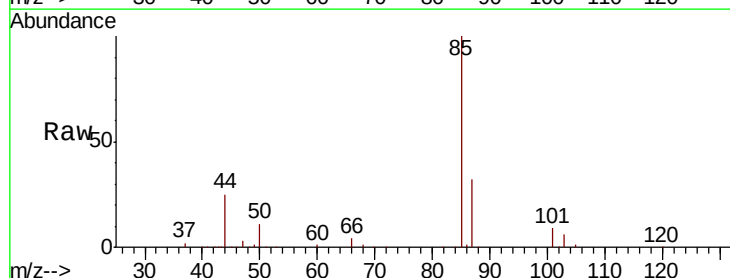
Acq: 12 Sep 2018 17:42

Tgt Ion: 85 Resp: 52192

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

30000

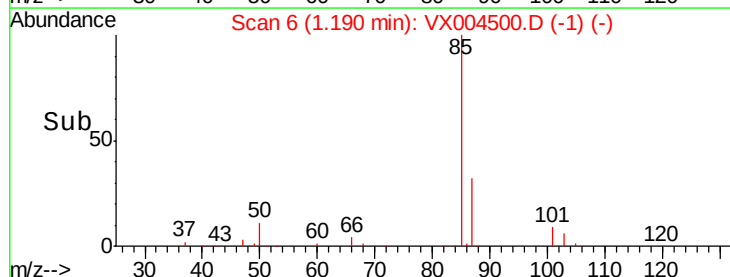
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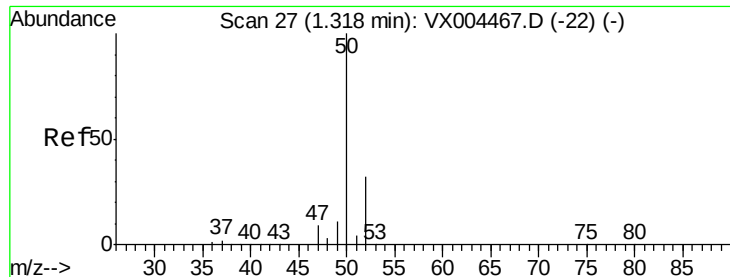
10000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 20.39 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

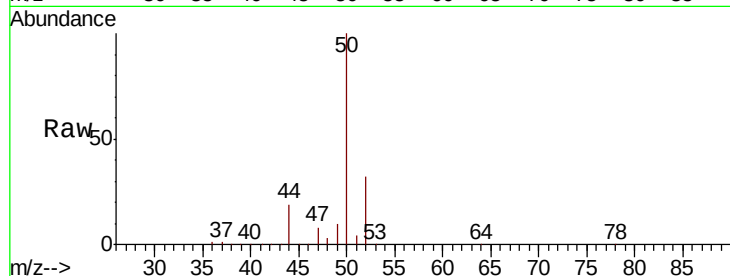
VX0912MBSD02

Tot Ion: 50 Resp: 69667

Ion Ratio Lower Upper

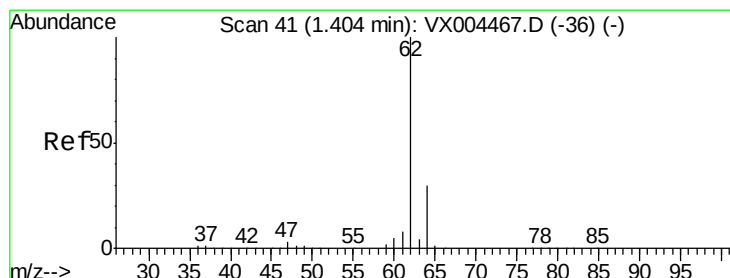
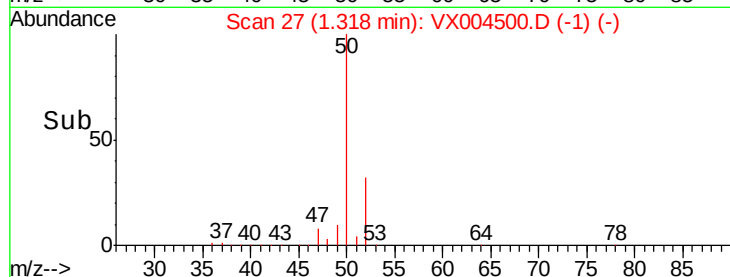
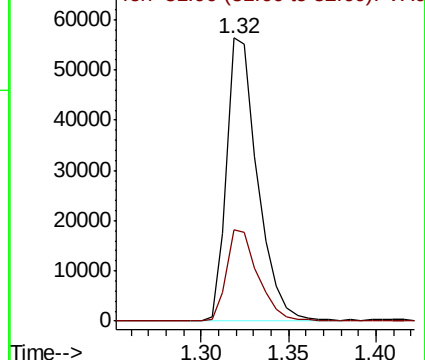
50 100

52 32.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.06 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004500.D

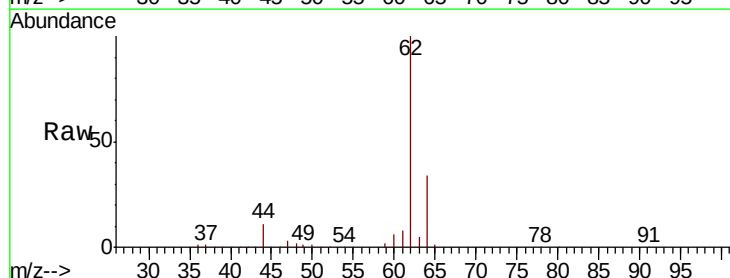
Acq: 12 Sep 2018 17:42

Tgt Ion: 62 Resp: 73849

Ion Ratio Lower Upper

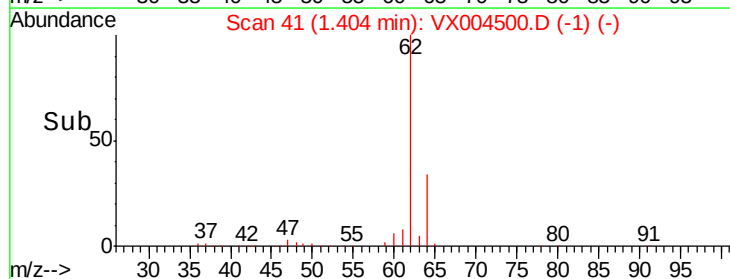
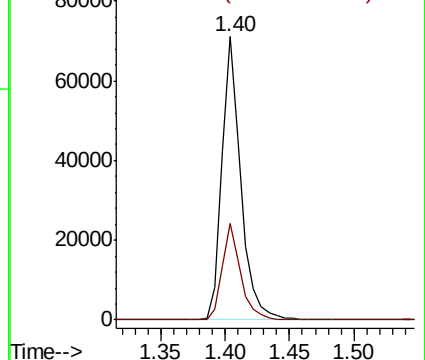
62 100

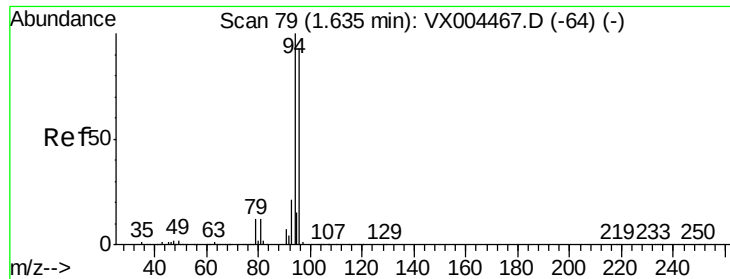
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.19 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

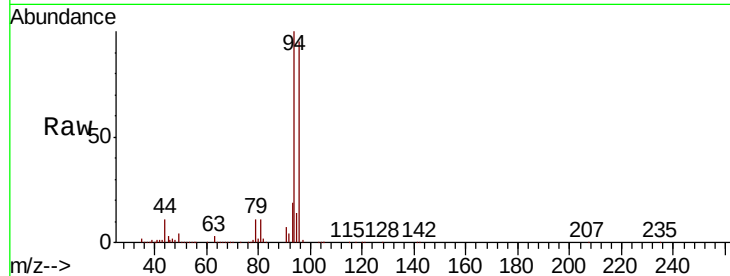
VX0912MBSD02

Tot Ion: 94 Resp: 36419

Ion Ratio Lower Upper

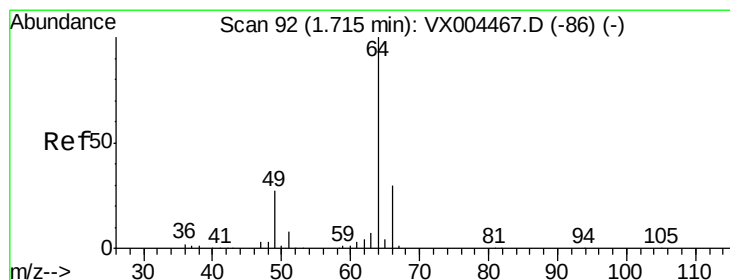
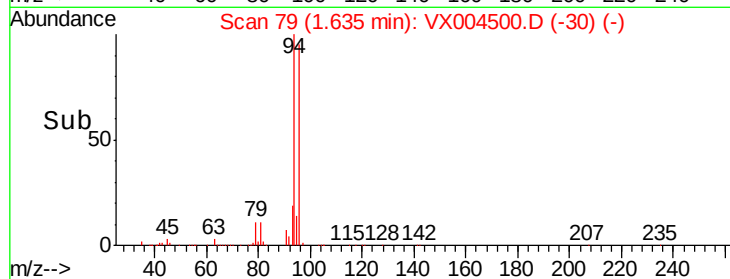
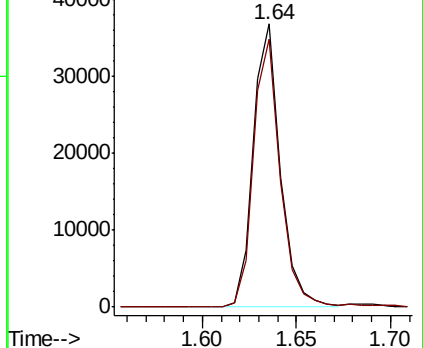
94 100

96 94.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.02 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004500.D

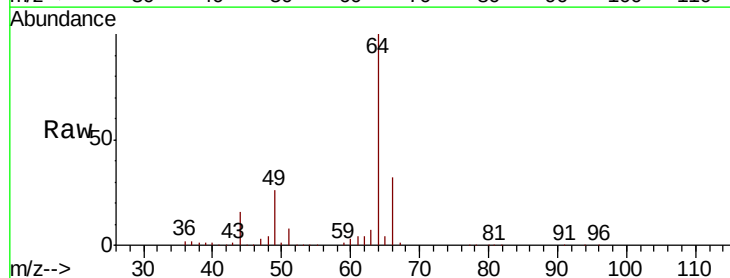
Acq: 12 Sep 2018 17:42

Tgt Ion: 64 Resp: 45402

Ion Ratio Lower Upper

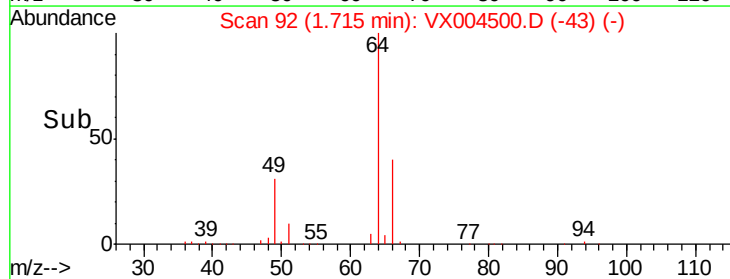
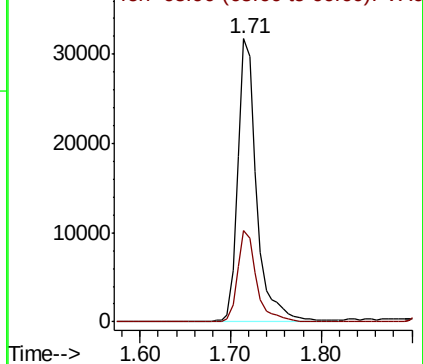
64 100

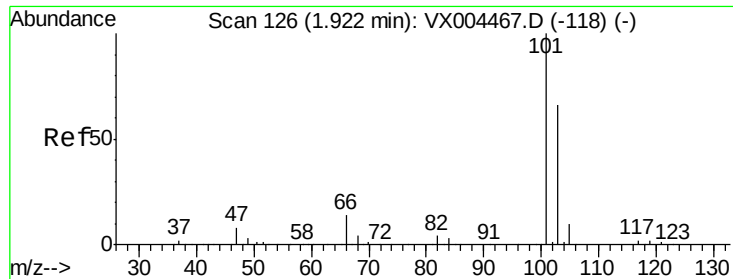
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



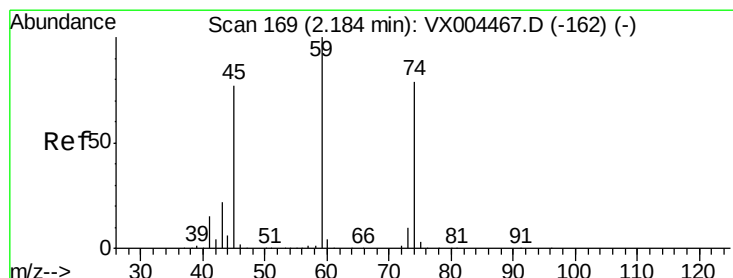
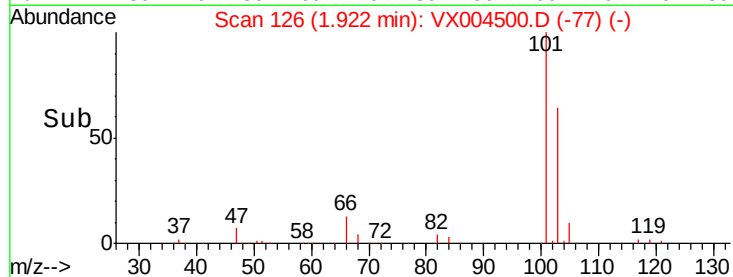
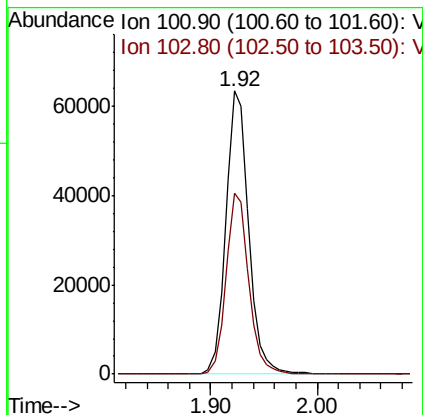
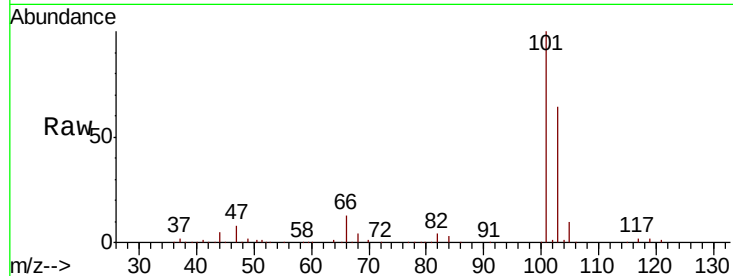


#7

Trichlorofluoromethane
 Concen: 20.43 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

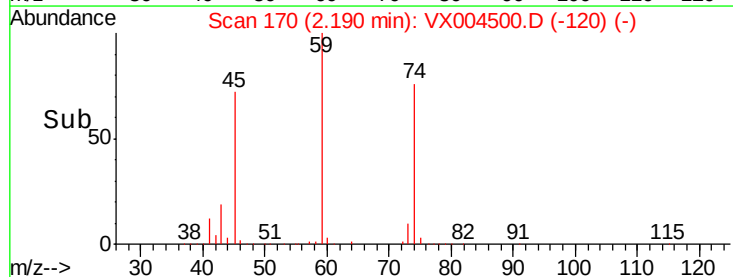
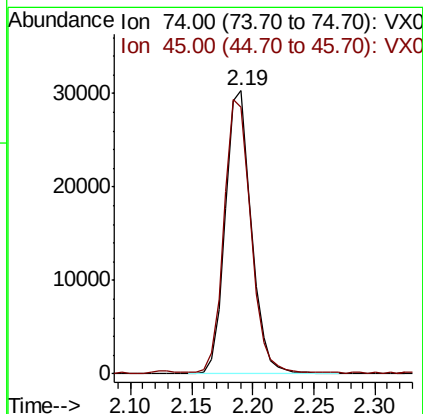
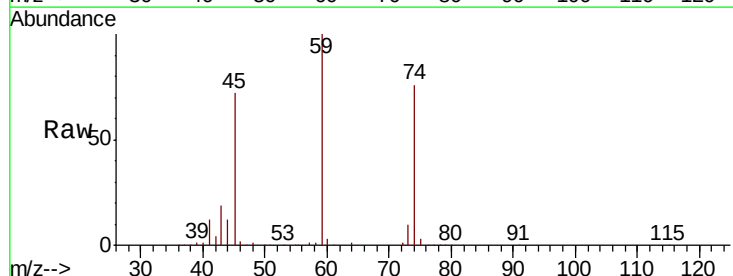
Tot Ion:101 Resp: 94986
 Ion Ratio Lower Upper
 101 100
 103 63.8 48.9 73.3

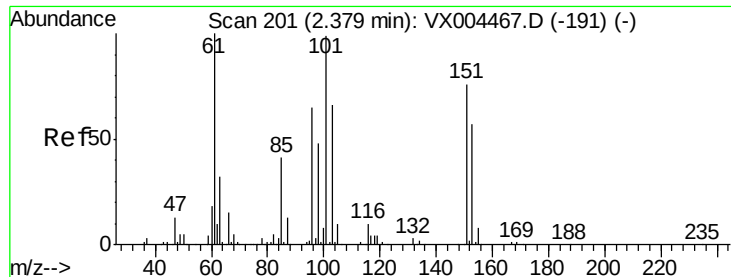


#8

Diethyl Ether
 Concen: 21.35 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 74 Resp: 44500
 Ion Ratio Lower Upper
 74 100
 45 99.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.79 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

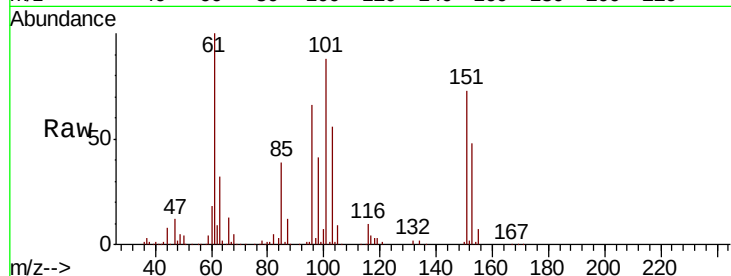
Tot Ion:101 Resp: 61316

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

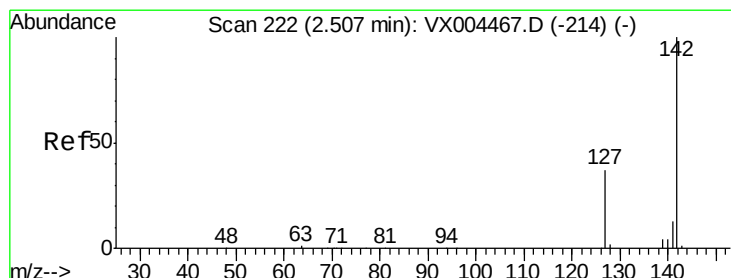
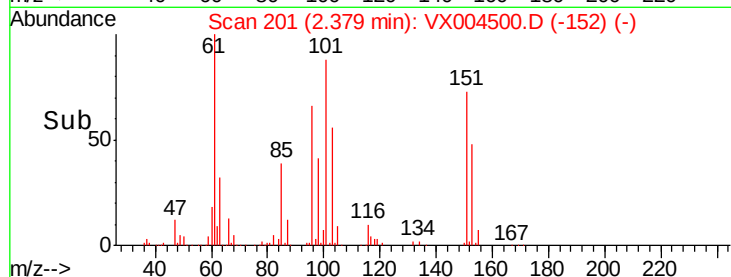
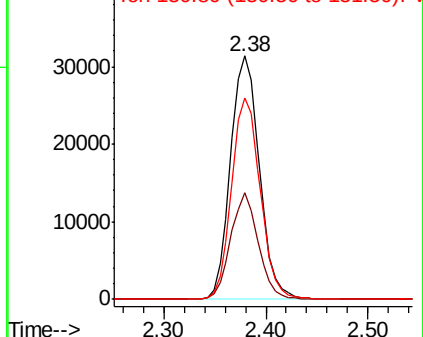
151 82.0 65.0 97.6



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: 20.24 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

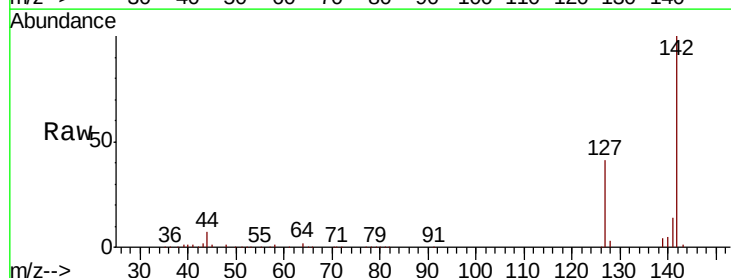
Tgt Ion:142 Resp: 61580

Ion Ratio Lower Upper

142 100

127 41.2 33.8 50.6

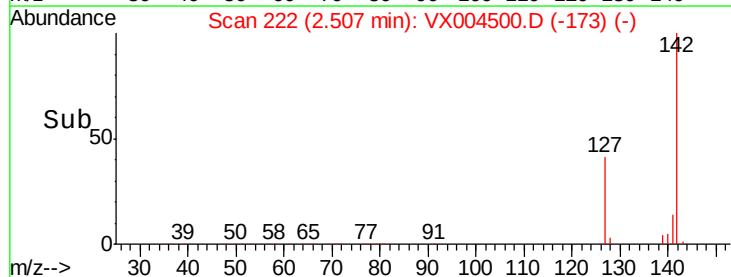
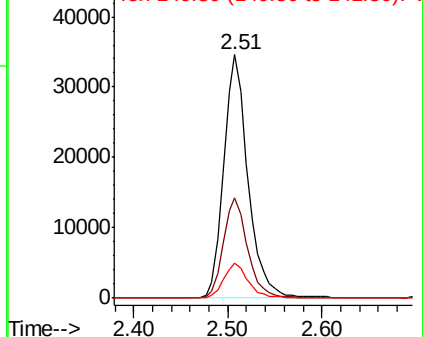
141 14.3 11.4 17.0

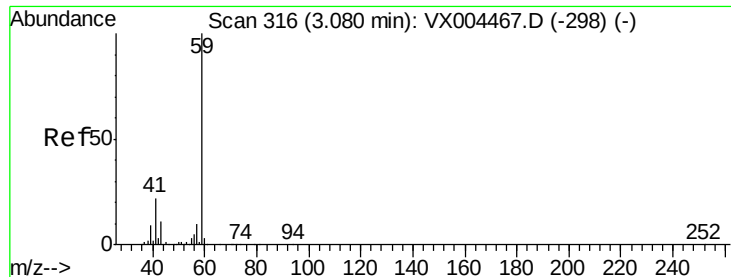


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

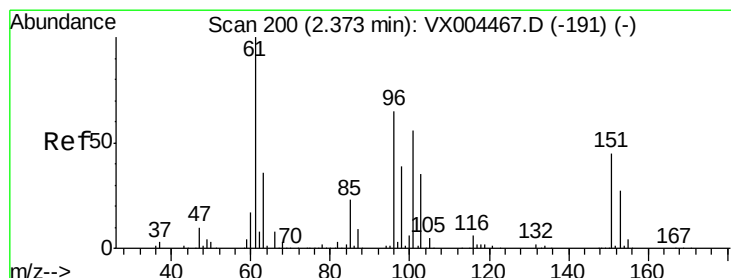
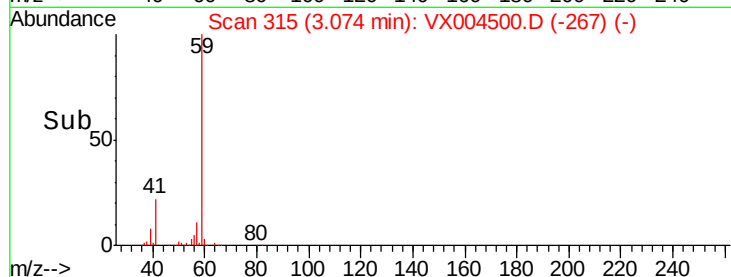
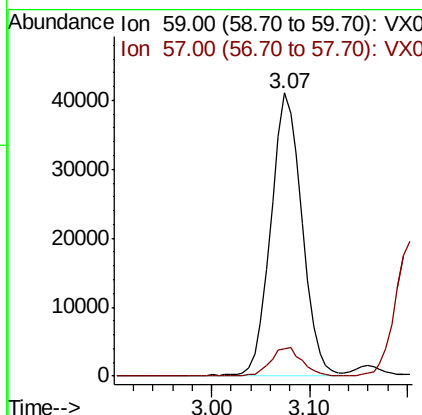
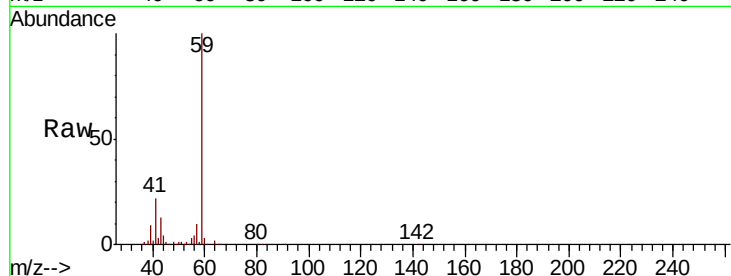




#11
Tert butyl alcohol
Concen: 112.30 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

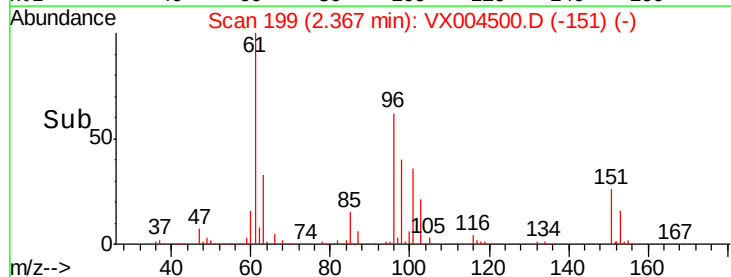
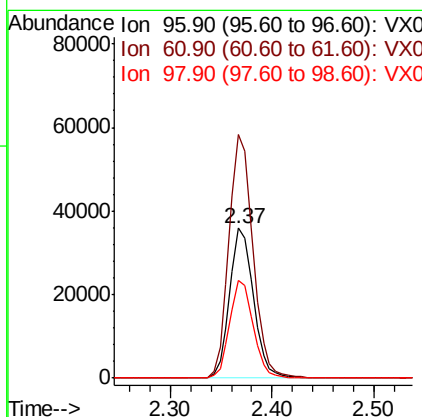
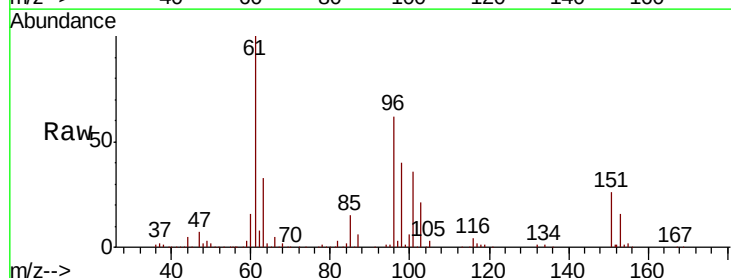
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

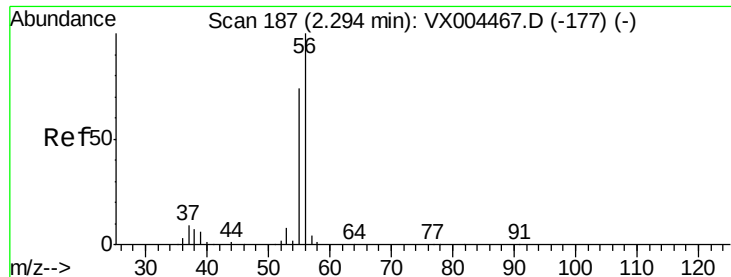
Tot Ion: 59 Resp: 91527
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#12
1,1-Dichloroethene
Concen: 20.97 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 96 Resp: 58038
Ion Ratio Lower Upper
96 100
61 162.5 128.8 193.2
98 65.3 52.2 78.2





#13

Acrolein

Concen: 104.67 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

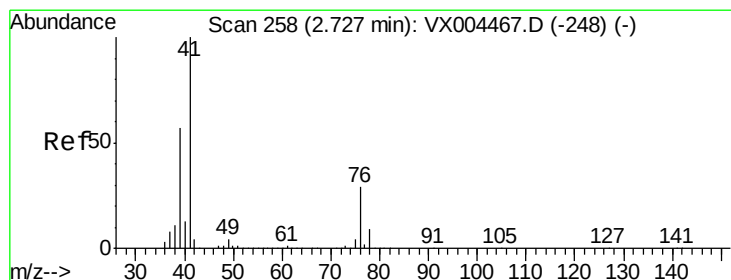
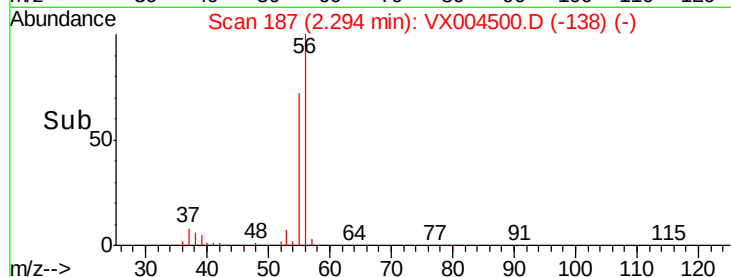
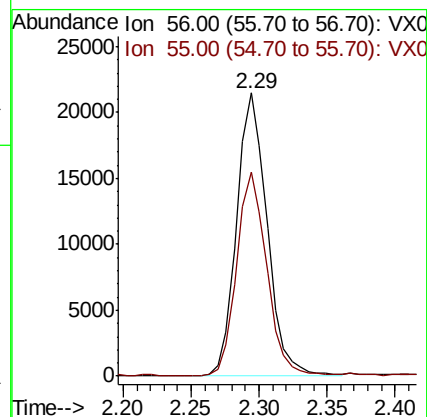
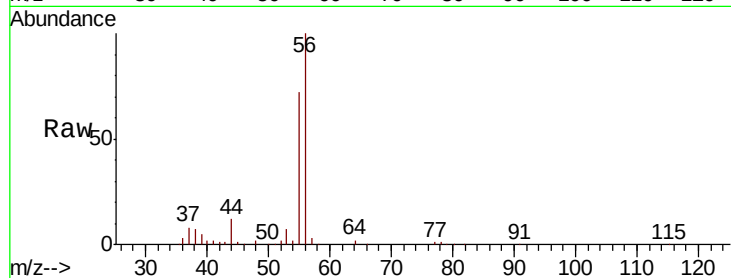
VX0912MBSD02

Tot Ion: 56 Resp: 33674

Ion Ratio Lower Upper

56 100

55 70.6 54.7 82.1



#14

Allyl chloride

Concen: 20.48 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

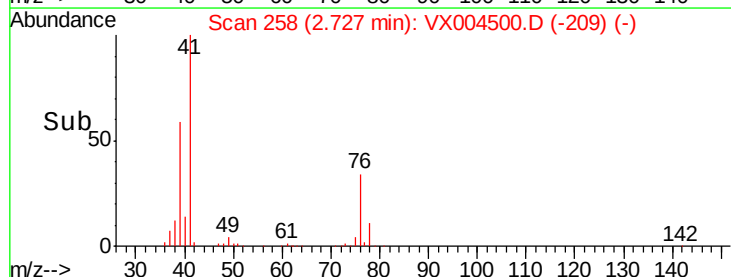
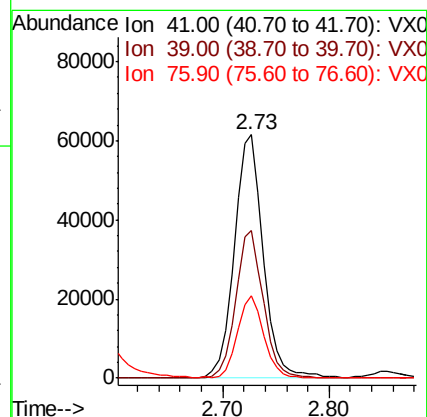
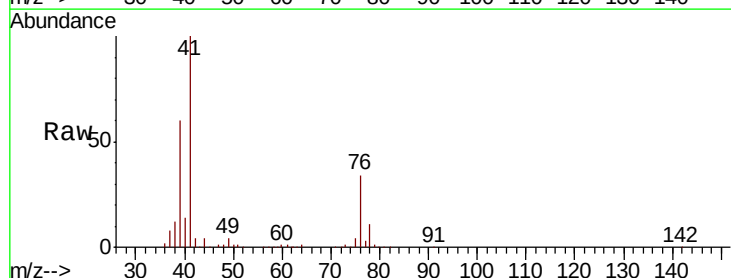
Tgt Ion: 41 Resp: 116568

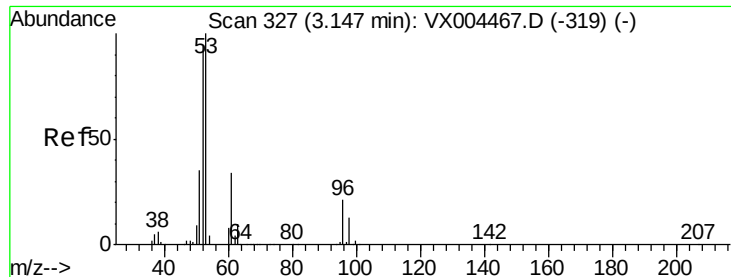
Ion Ratio Lower Upper

41 100

39 57.2 48.9 73.3

76 31.3 26.7 40.1





#15

Acrylonitrile

Concen: 109.23 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

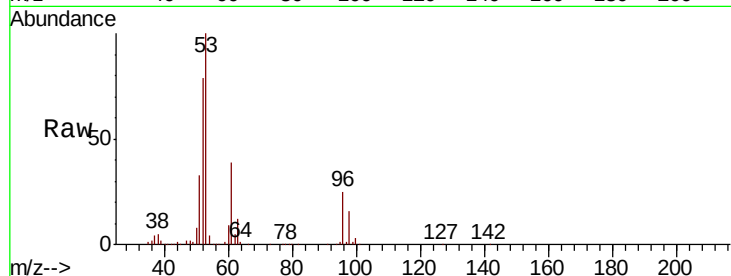
Tot Ion: 53 Resp: 214376

Ion Ratio Lower Upper

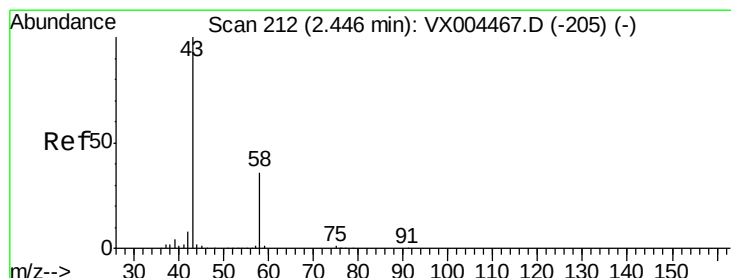
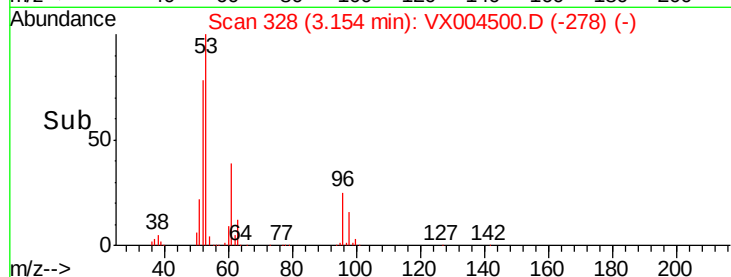
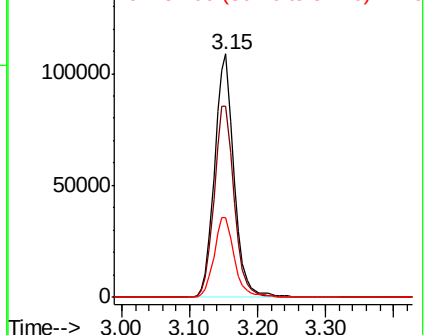
53 100

52 81.0 65.2 97.8

51 34.3 28.2 42.2



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



#16

Acetone

Concen: 100.32 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004500.D

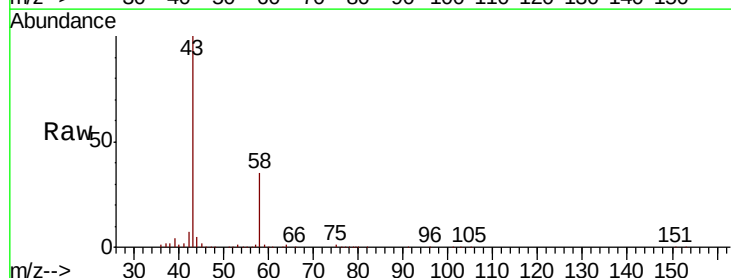
Acq: 12 Sep 2018 17:42

Tgt Ion: 43 Resp: 167248

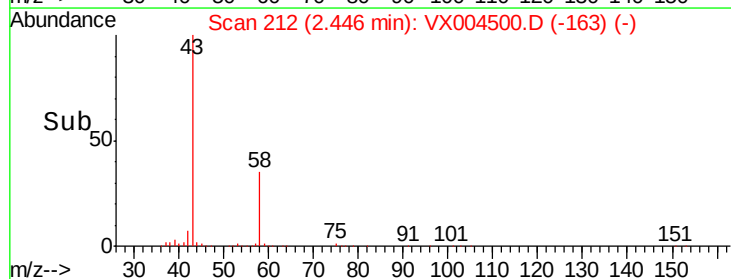
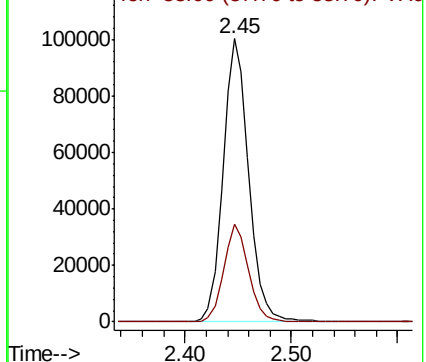
Ion Ratio Lower Upper

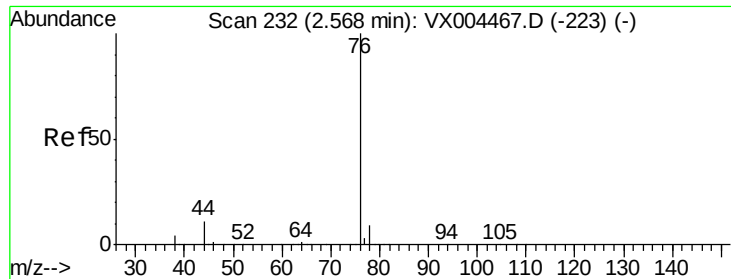
43 100

58 34.6 26.2 39.4



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

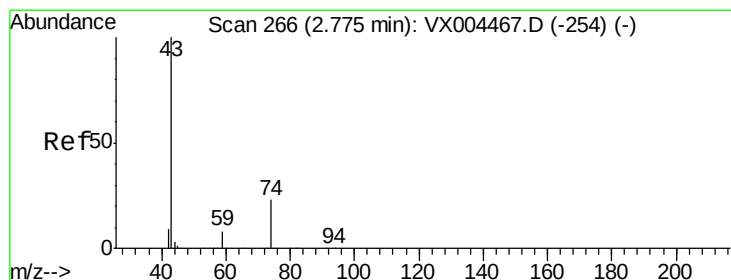
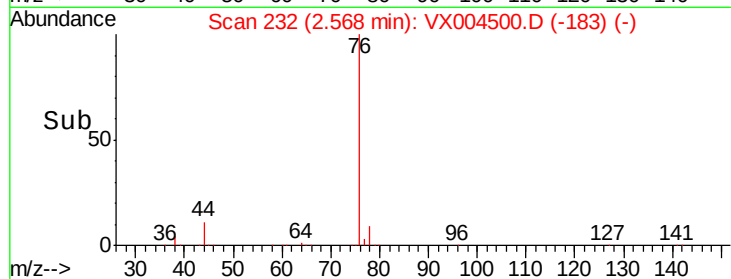
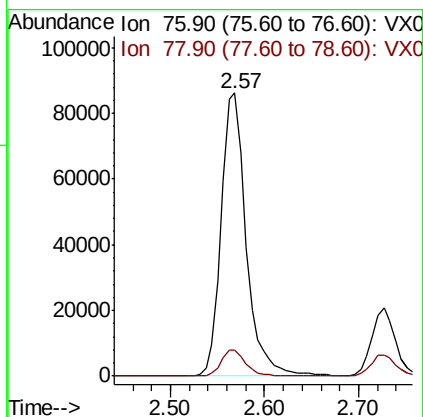
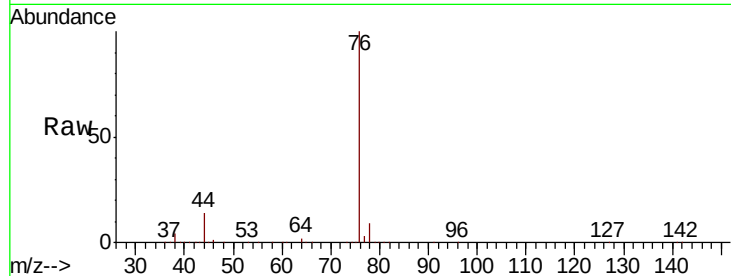




#17
Carbon Disulfide
Concen: 19.88 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

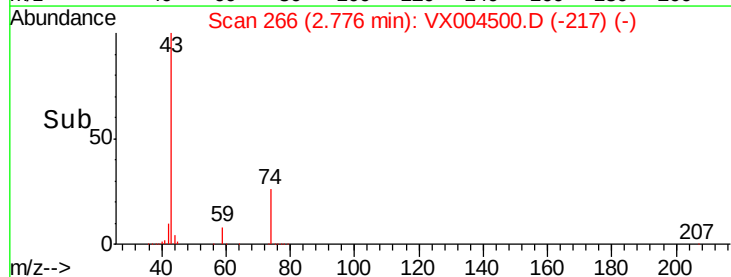
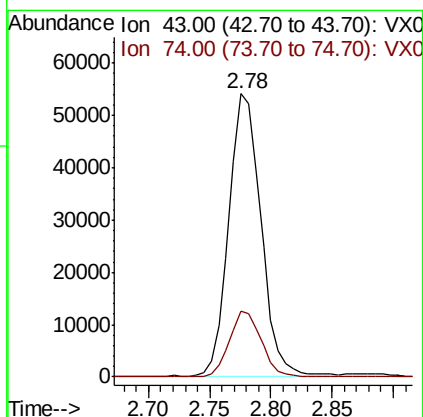
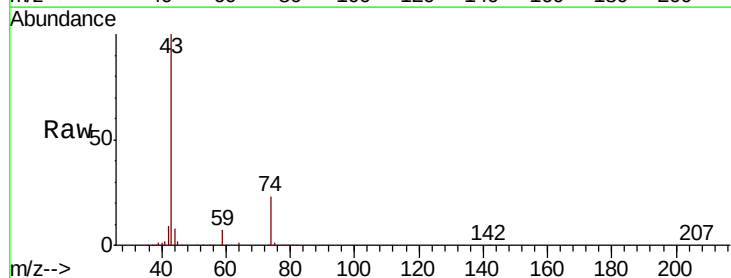
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

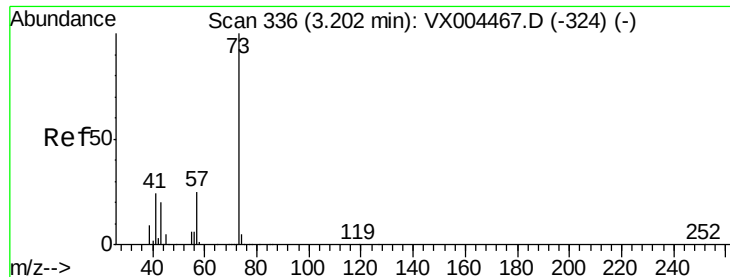
Tot Ion: 76 Resp: 159081
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 20.99 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 43 Resp: 98165
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 21.38 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

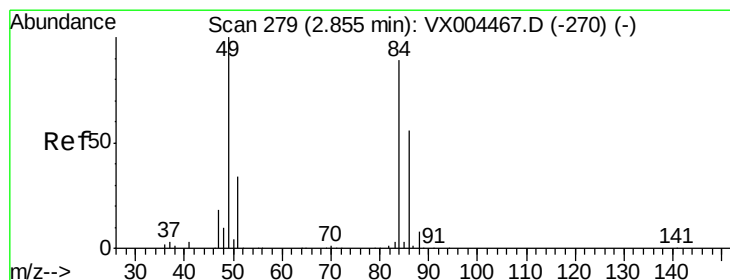
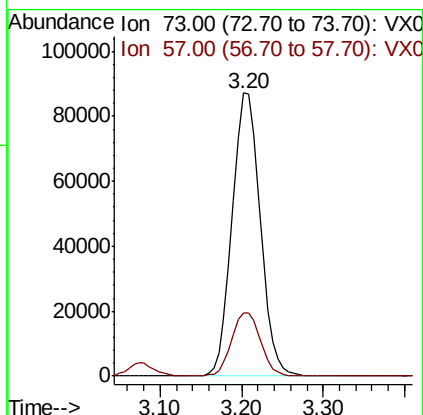
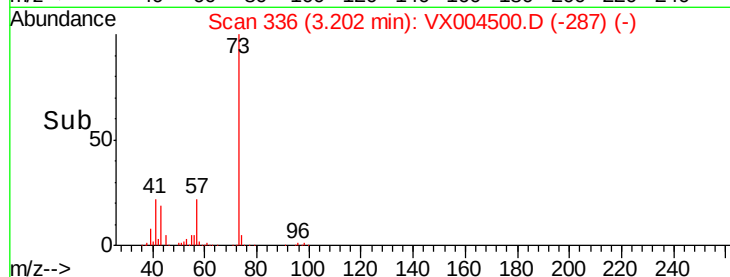
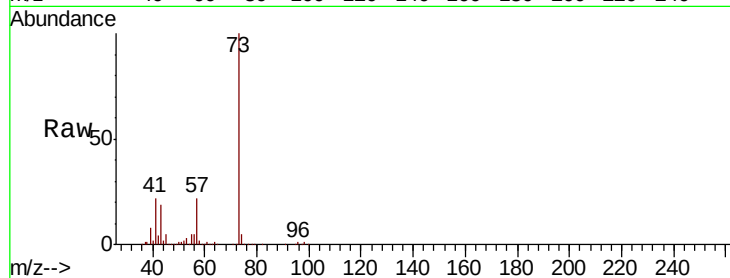
VX0912MBSD02

Tot Ion: 73 Resp: 207667

Ion Ratio Lower Upper

73 100

57 22.4 17.1 25.7



#20

Methylene Chloride

Concen: 20.10 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion: 84 Resp: 68749

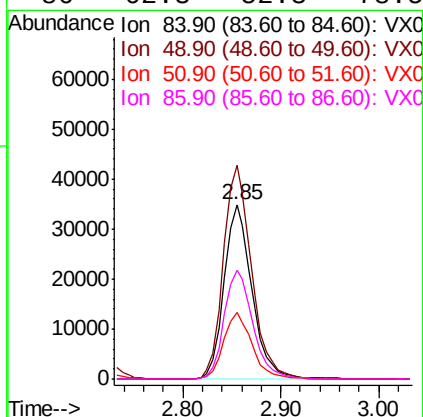
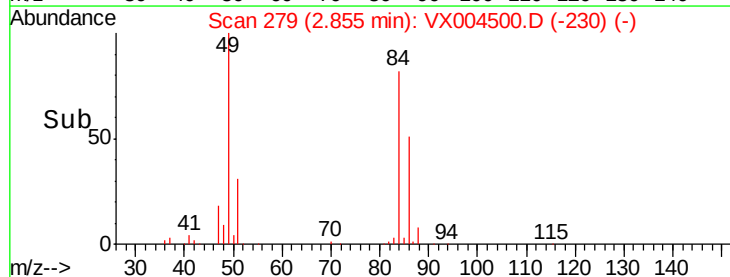
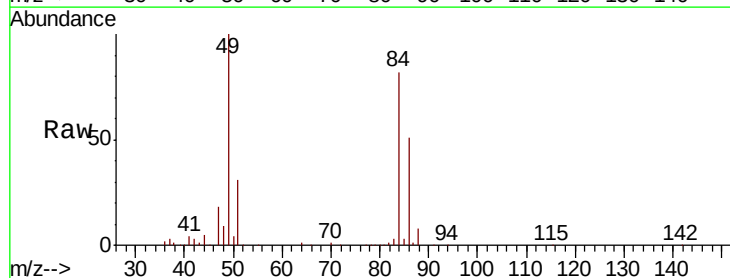
Ion Ratio Lower Upper

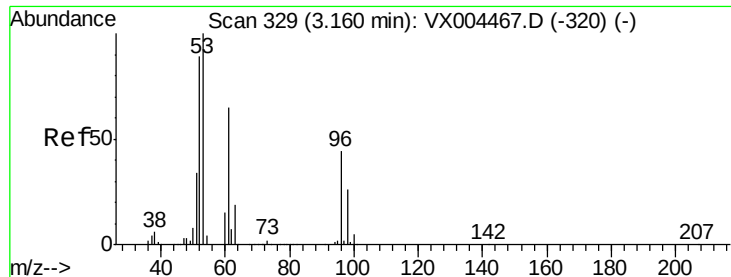
84 100

49 122.6 101.2 151.8

51 38.0 29.5 44.3

86 62.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.83 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

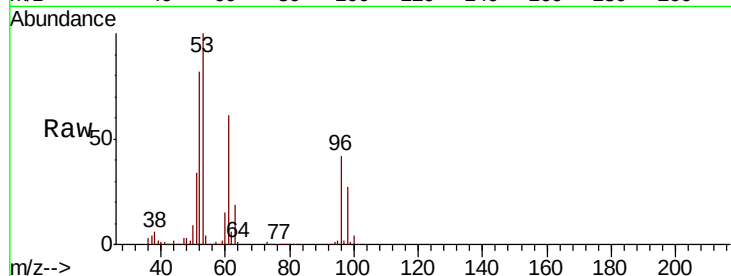
Tot Ion: 96 Resp: 63714

Ion Ratio Lower Upper

96 100

61 144.1 113.8 170.6

98 63.0 51.8 77.8

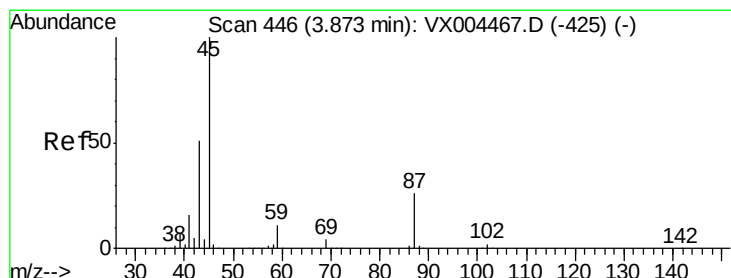
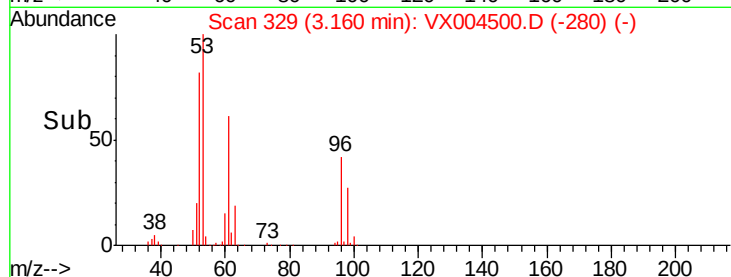
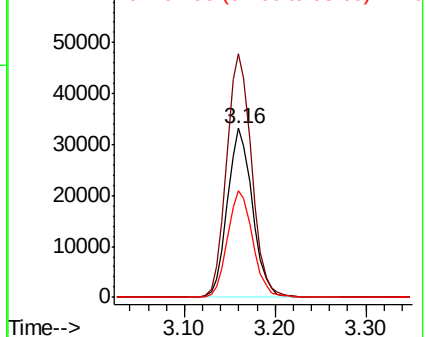


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.02 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion: 45 Resp: 215398

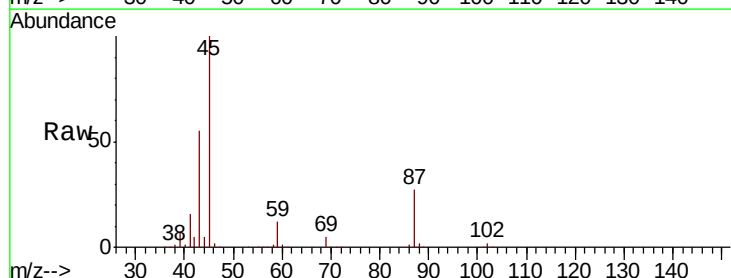
Ion Ratio Lower Upper

45 100

43 55.2 42.8 64.2

87 27.3 22.6 34.0

59 11.9 9.6 14.4



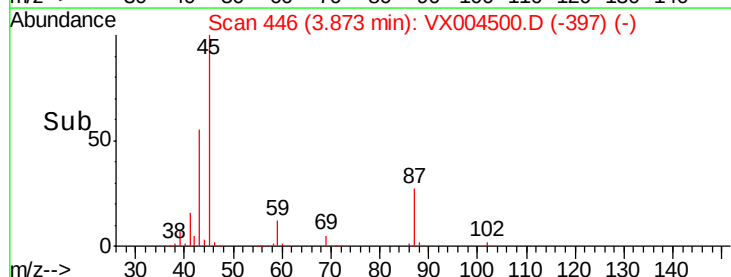
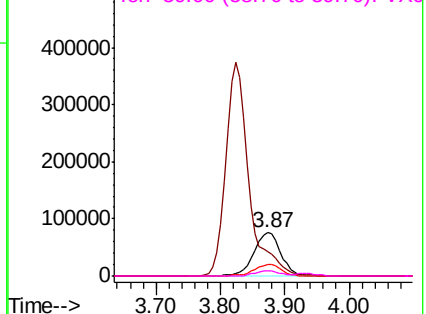
Abundance

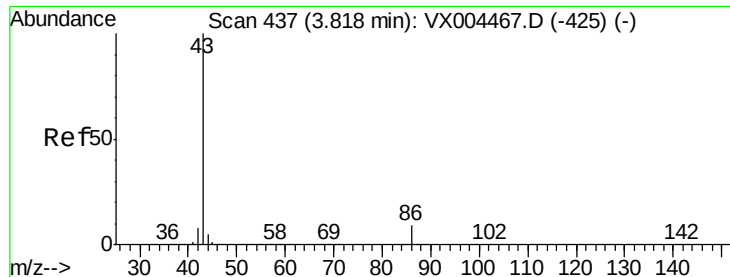
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 113.79 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

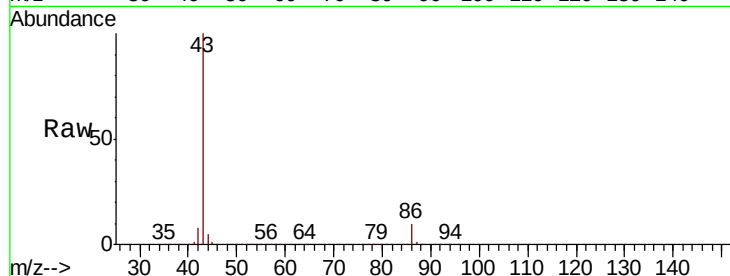
VX0912MBSD02

Tot Ion: 43 Resp: 943754

Ion Ratio Lower Upper

43 100

86 10.0 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

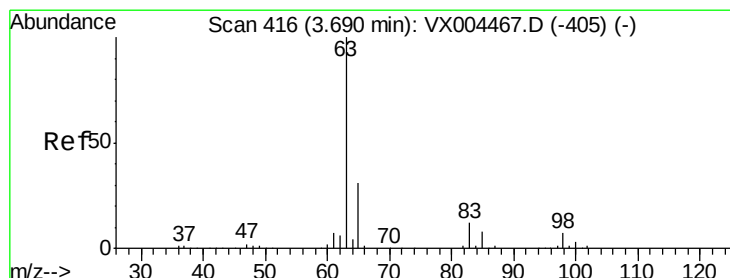
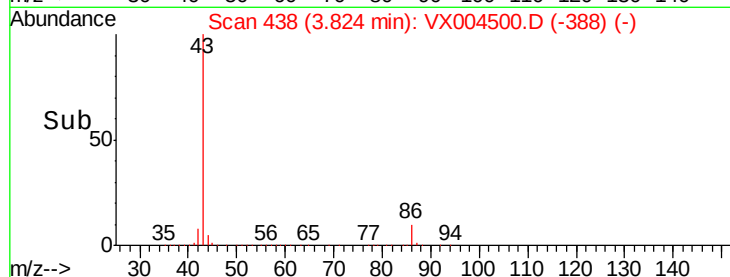
200000

100000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.40 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

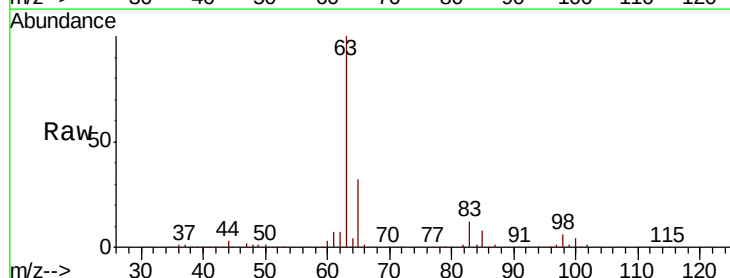
Tgt Ion: 63 Resp: 123806

Ion Ratio Lower Upper

63 100

98 6.3 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

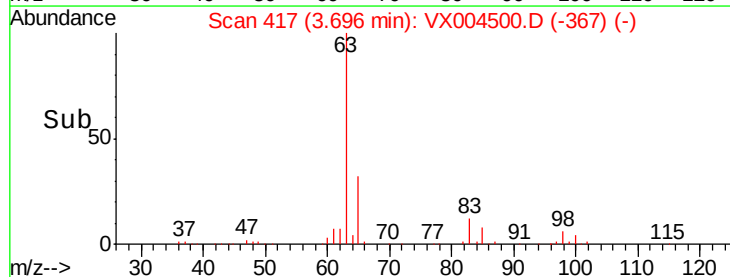
40000

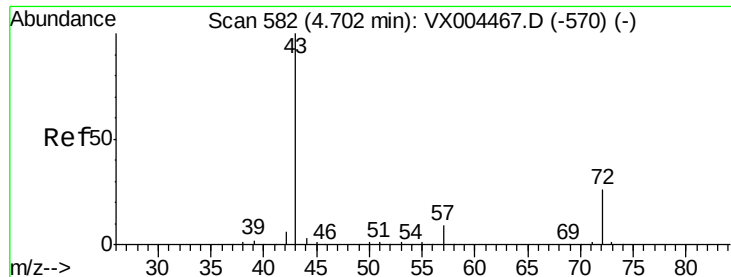
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 97.24 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleID :

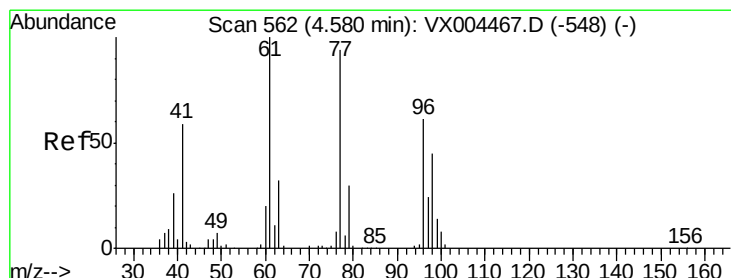
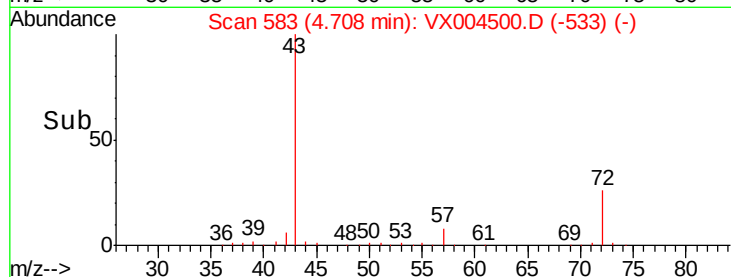
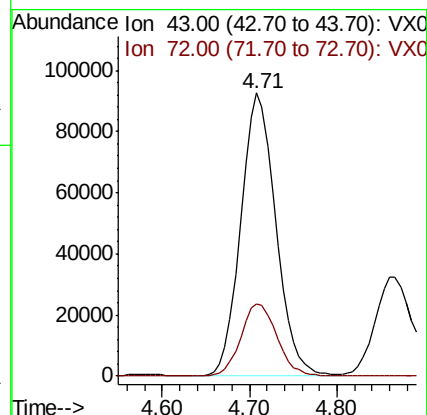
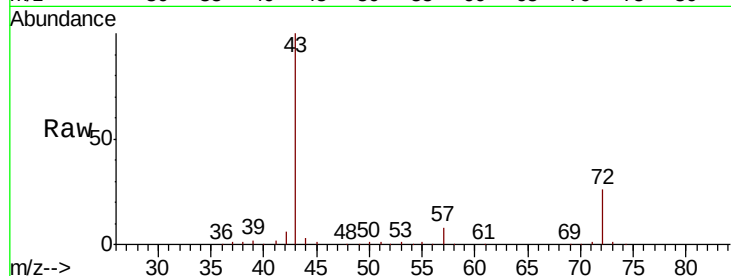
VX0912MBSD02

Tot Ion: 43 Resp: 258005

Ion Ratio Lower Upper

43 100

72 25.6 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.14 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004500.D

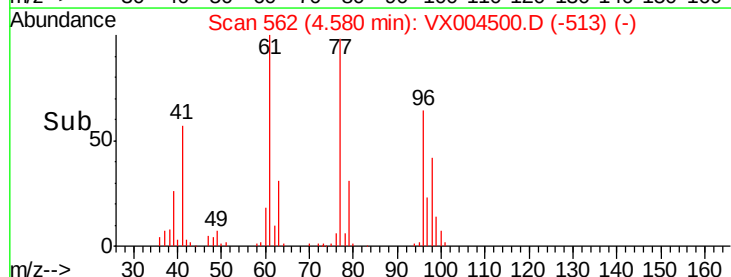
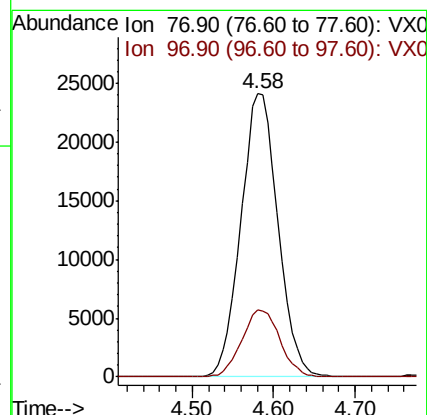
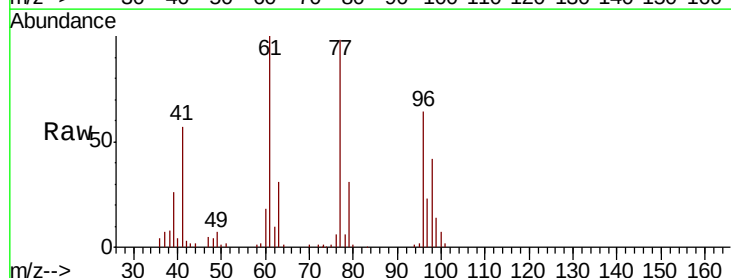
Acq: 12 Sep 2018 17:42

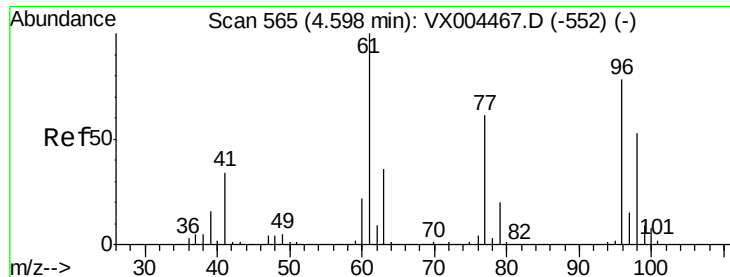
Tgt Ion: 77 Resp: 76048

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.08 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

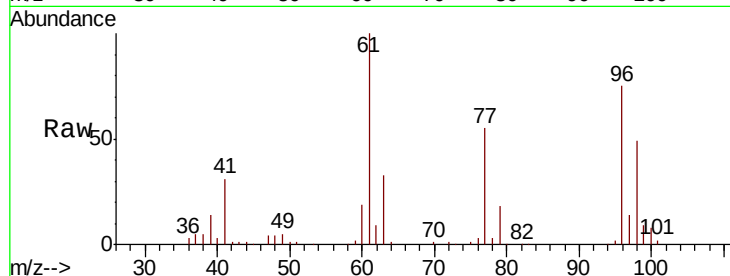
Tot Ion: 96 Resp: 68546

Ion Ratio Lower Upper

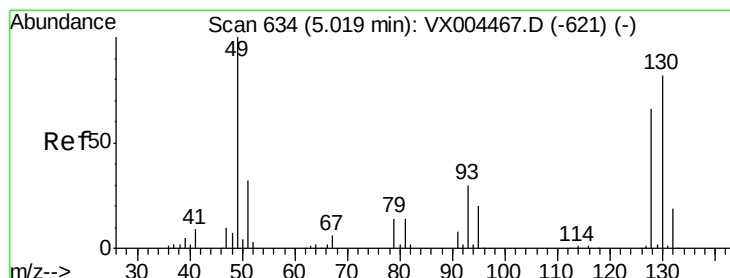
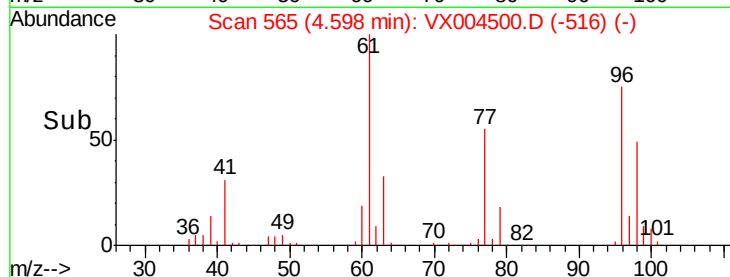
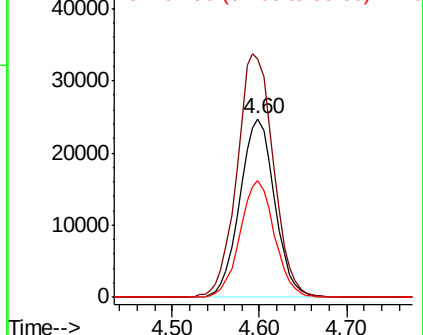
96 100

61 143.0 0.0 282.6

98 64.8 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: 21.41 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

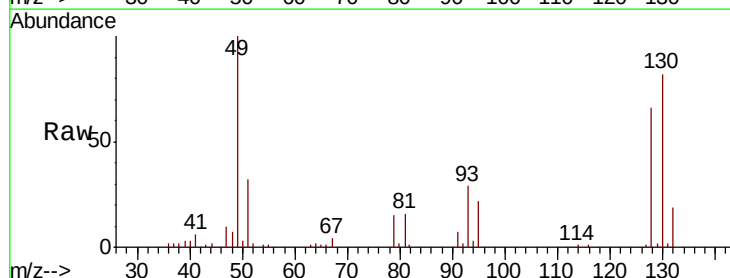
Tgt Ion: 49 Resp: 56664

Ion Ratio Lower Upper

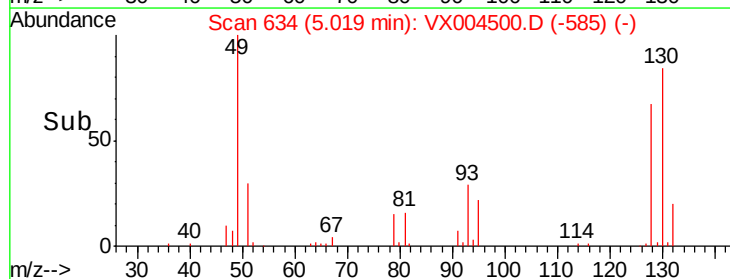
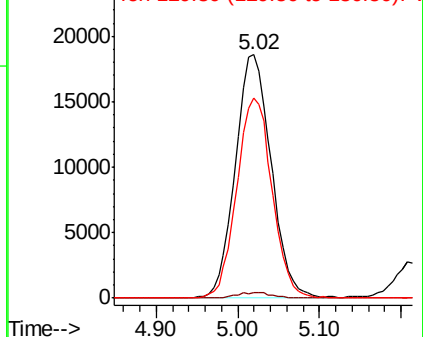
49 100

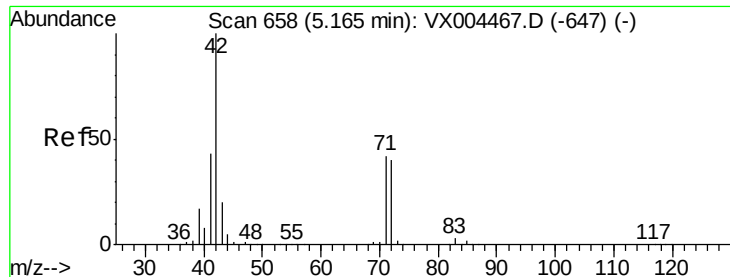
129 2.1 0.0 4.2

130 81.0 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

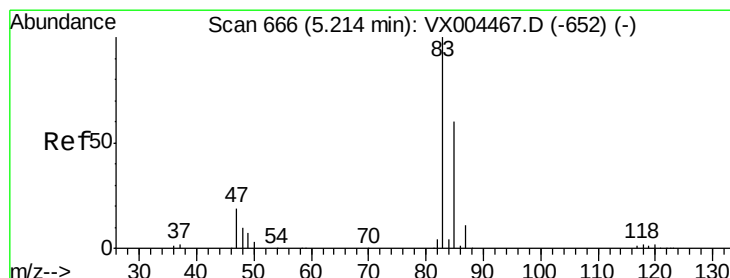
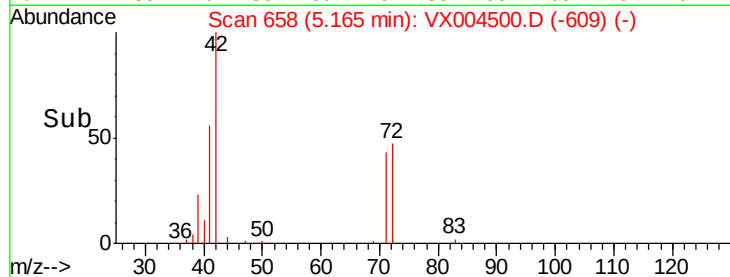
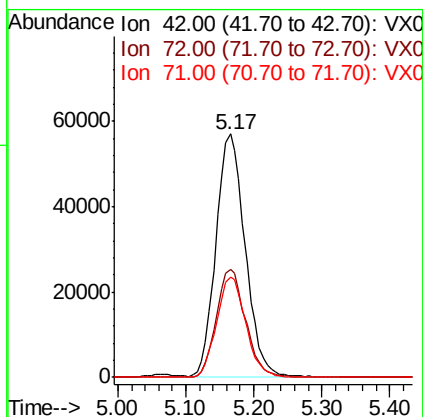
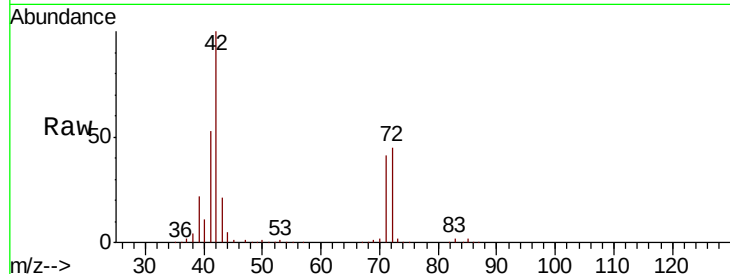




#29
Tetrahydrofuran
Concen: 106.20 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

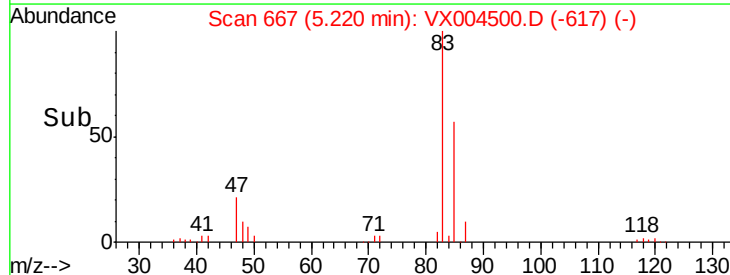
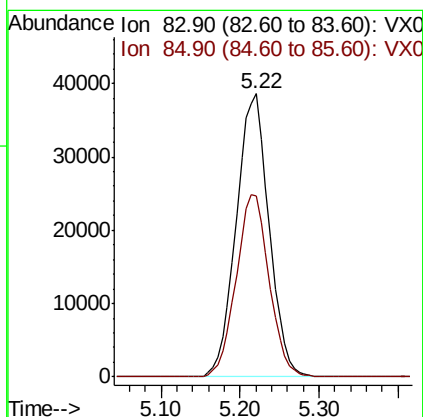
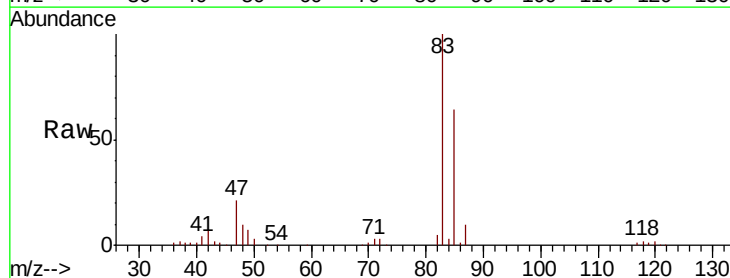
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

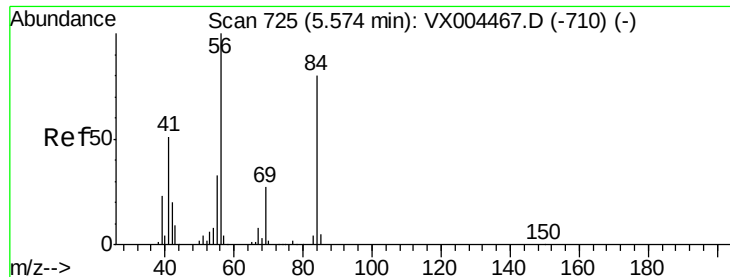
Tot Ion: 42 Resp: 169922
Ion Ratio Lower Upper
42 100
72 44.6 37.4 56.0
71 41.2 34.5 51.7



#30
Chloroform
Concen: 19.75 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 83 Resp: 111589
Ion Ratio Lower Upper
83 100
85 63.9 52.6 79.0

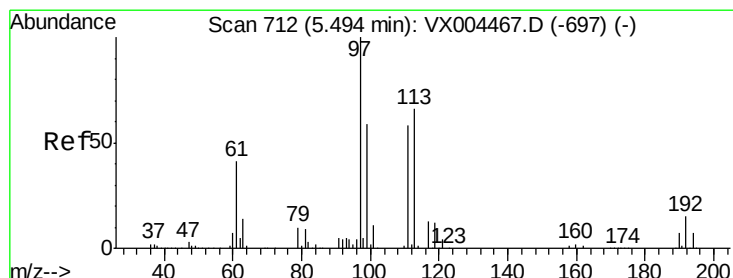
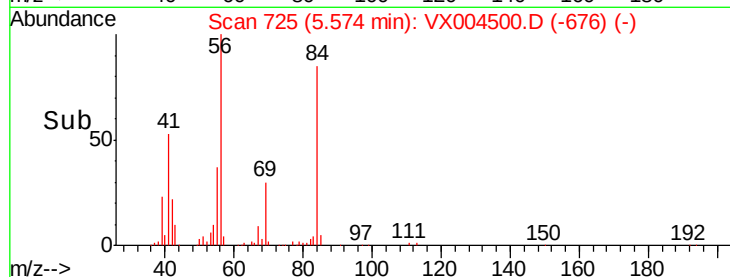
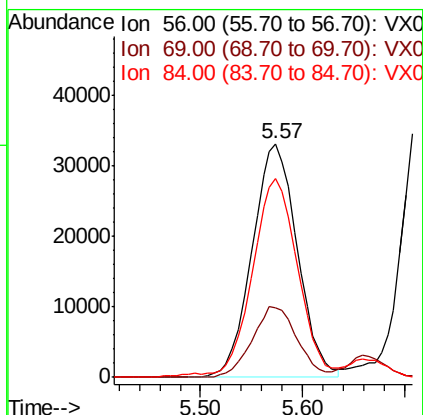
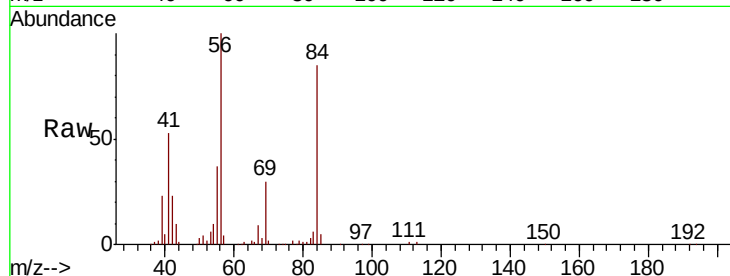




#31
Cyclohexane
Concen: 20.58 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

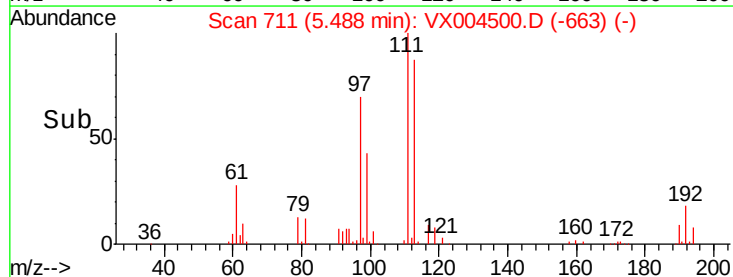
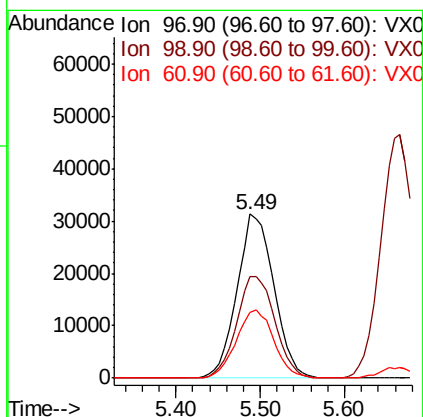
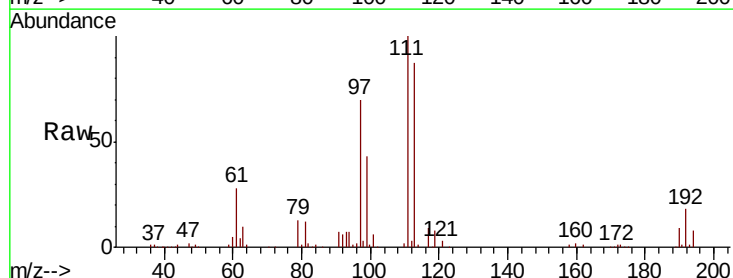
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

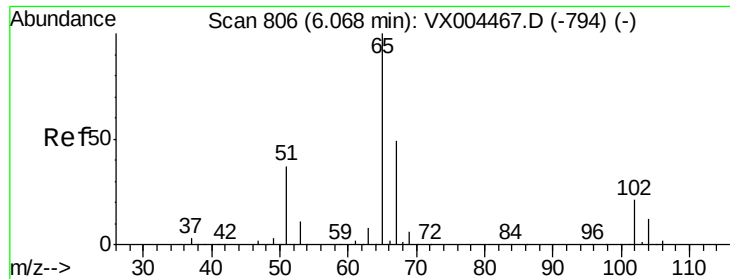
Tot Ion: 56 Resp: 101666
Ion Ratio Lower Upper
56 100
69 29.8 25.4 38.2
84 83.3 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 20.41 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 97 Resp: 92884
Ion Ratio Lower Upper
97 100
99 64.2 52.0 78.0
61 42.5 34.9 52.3

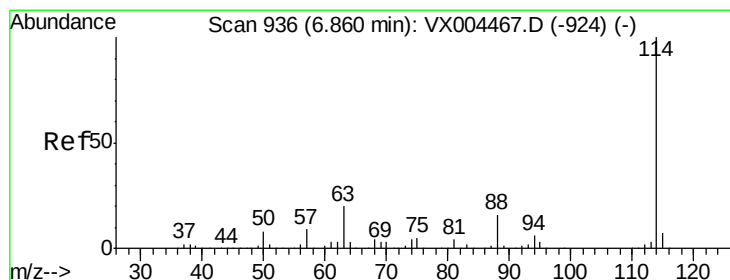
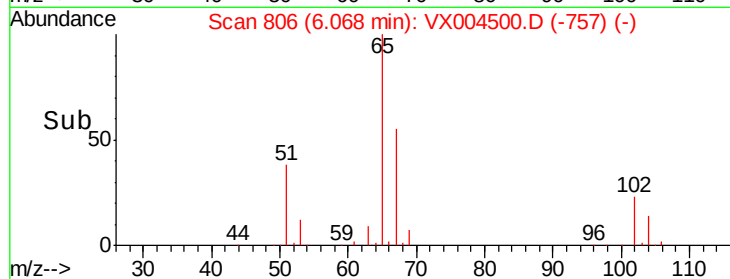
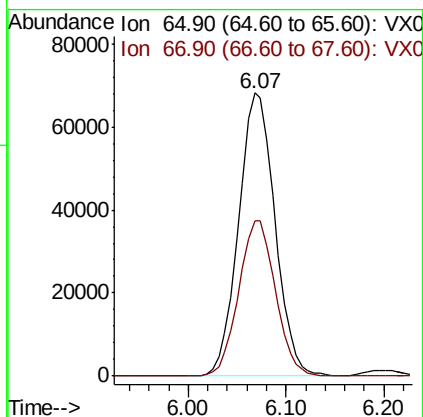
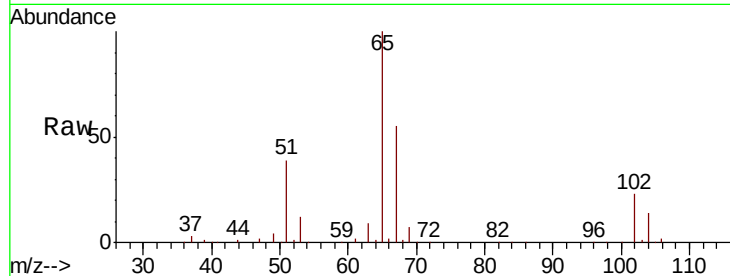




#33
 1,2-Dichloroethane-d4
 Concen: 51.54 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

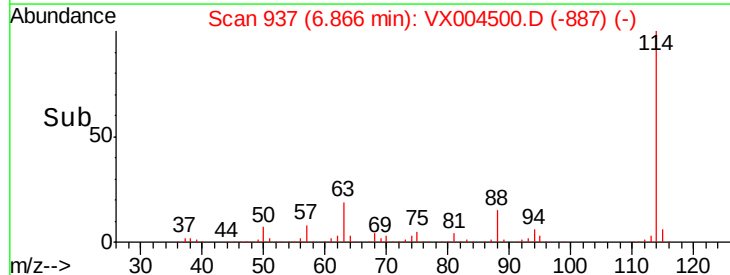
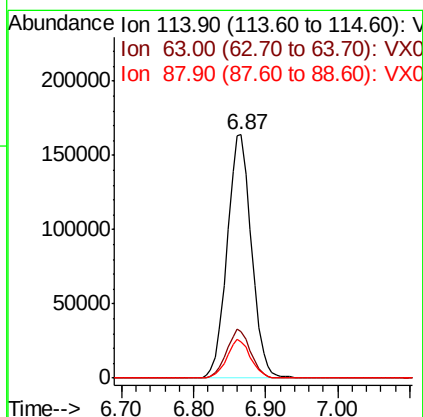
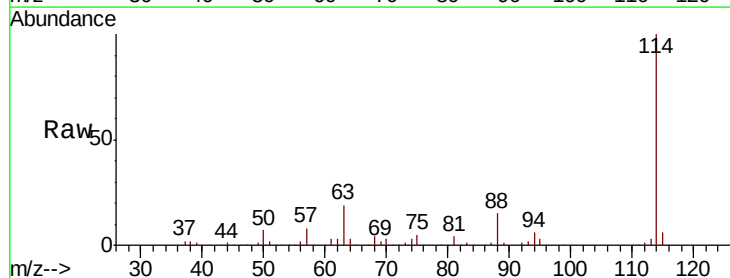
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

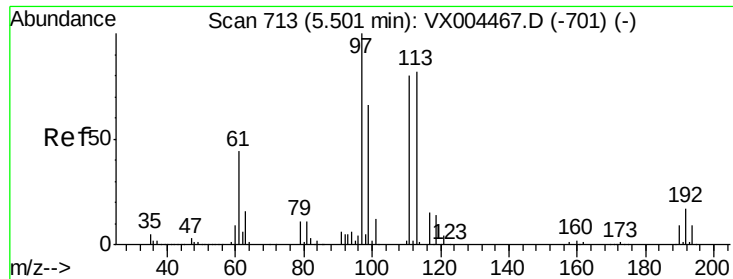
Tot Ion: 65 Resp: 176029
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 114 Resp: 386553
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.0 0.0 30.4

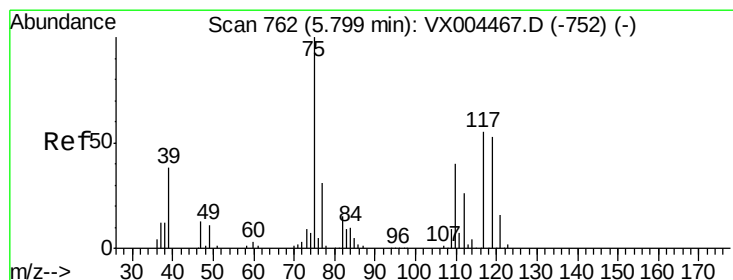
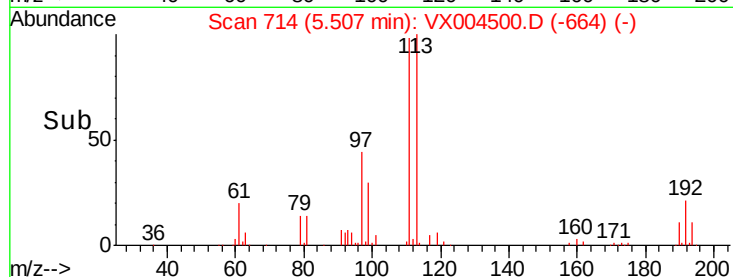
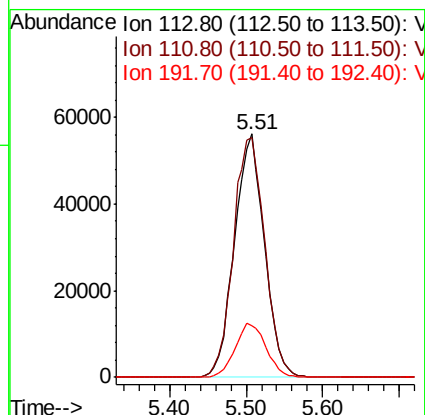
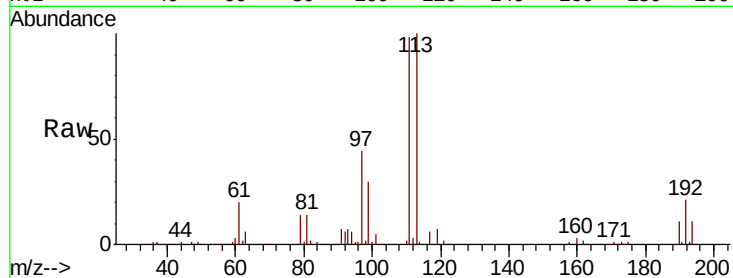




#35
 Dibromofluoromethane
 Concen: 43.11 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

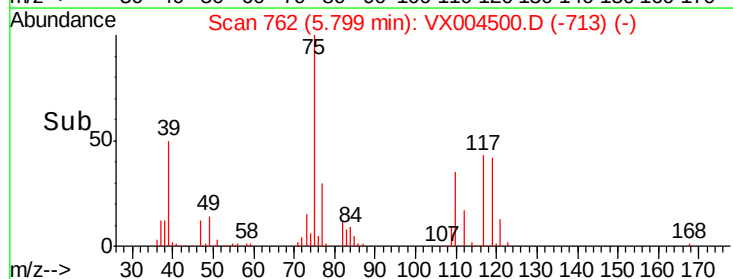
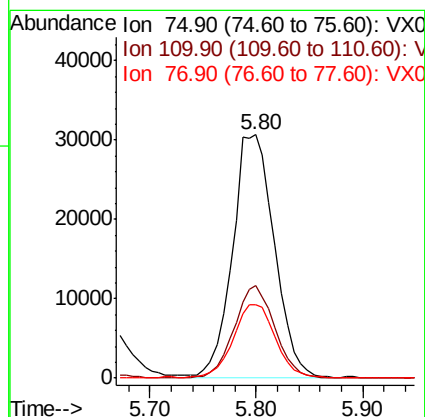
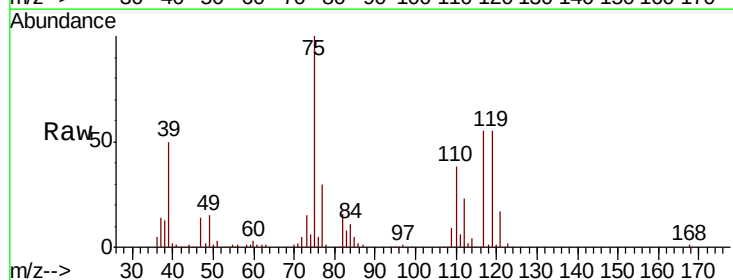
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

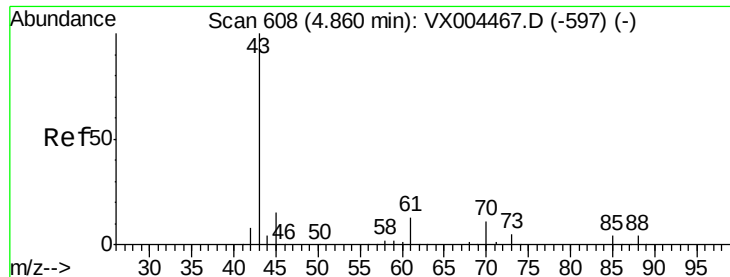
Tot Ion:113 Resp: 152487
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 22.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 17.90 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 75 Resp: 84005
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.0 54.0
 77 30.9 24.6 36.8





#37

Ethyl Acetate

Concen: 17.89 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

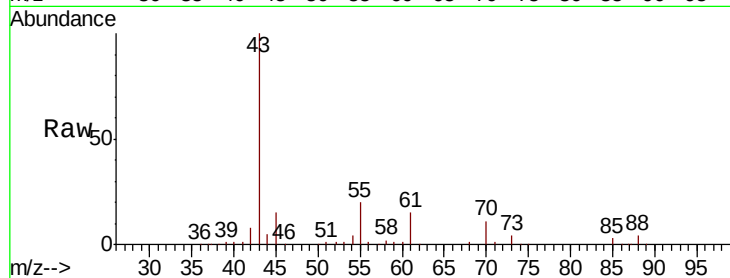
Tot Ion: 43 Resp: 95513

Ion Ratio Lower Upper

43 100

61 15.0 11.5 17.3

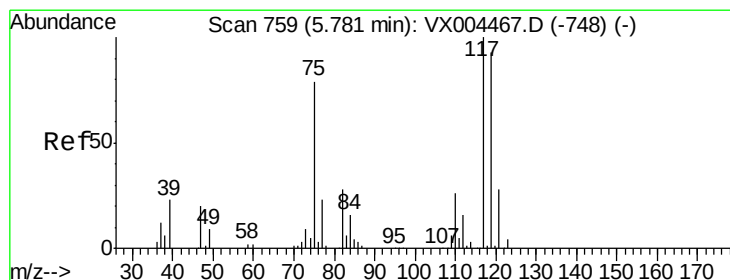
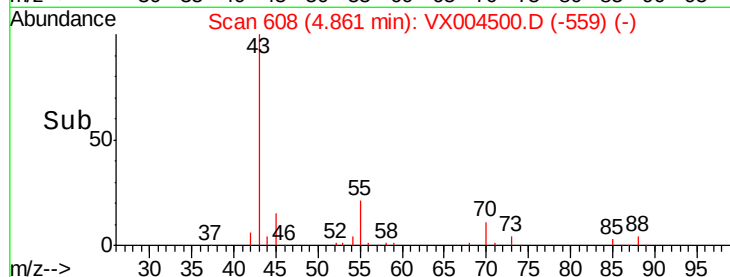
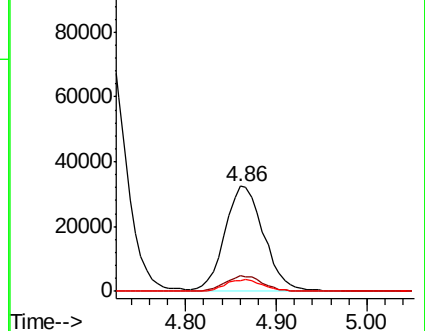
70 11.1 9.0 13.6



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: 17.33 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

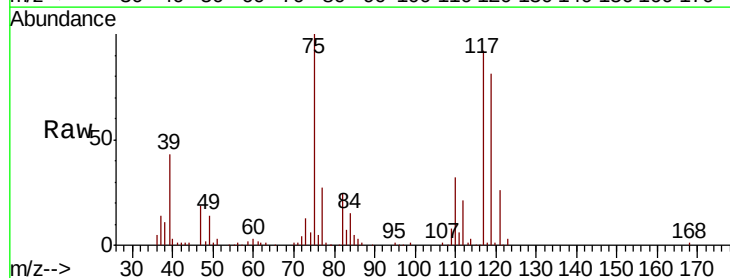
Tgt Ion: 117 Resp: 79421

Ion Ratio Lower Upper

117 100

119 87.9 78.8 118.2

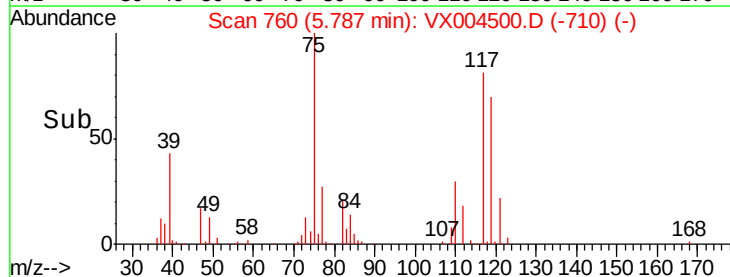
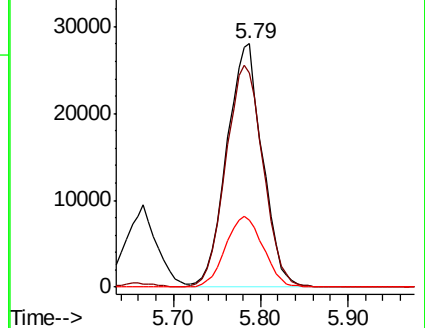
121 27.6 24.9 37.3

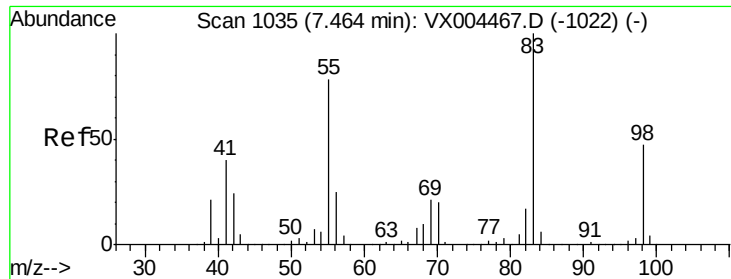


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

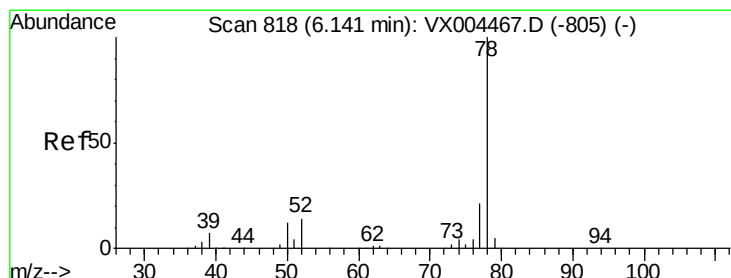
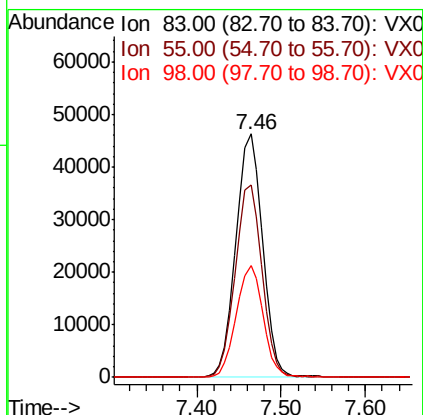
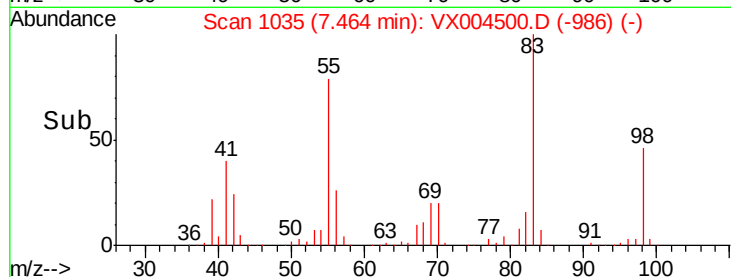
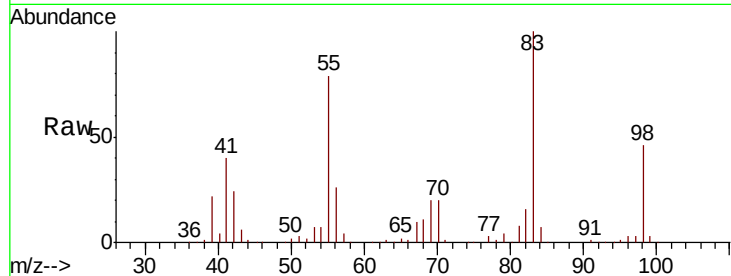




#39
Methylvlcyclohexane
Concen: 20.28 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

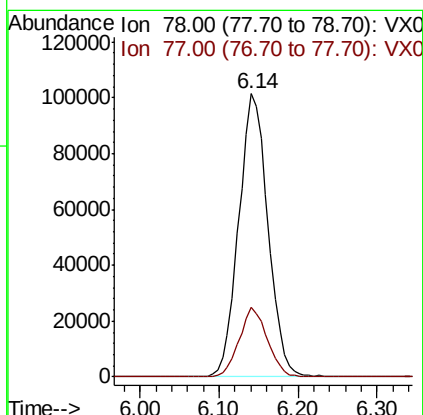
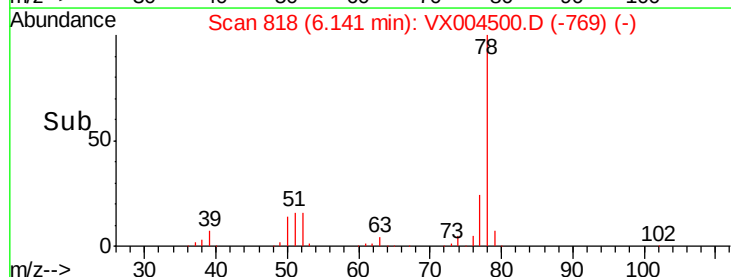
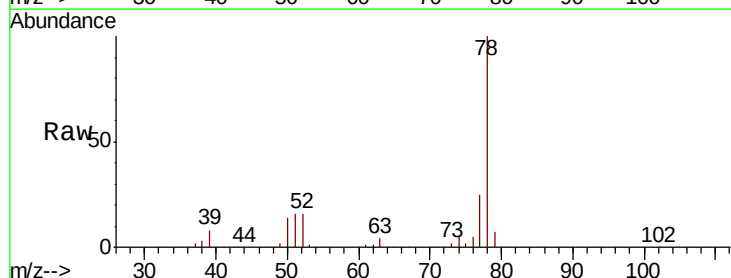
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

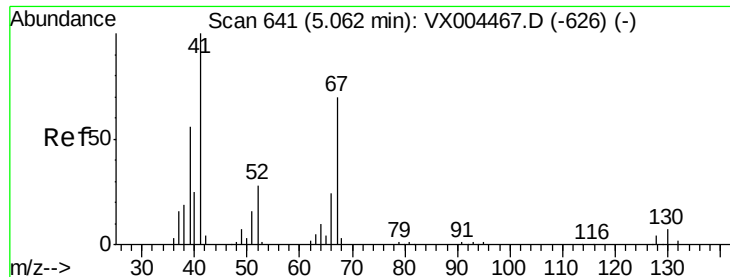
Tot Ion: 83 Resp: 99333
Ion Ratio Lower Upper
83 100
55 78.8 61.0 91.4
98 45.7 39.6 59.4



#40
Benzene
Concen: 18.77 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 78 Resp: 261402
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.4

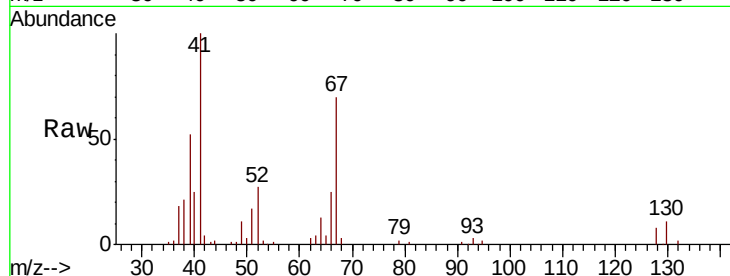




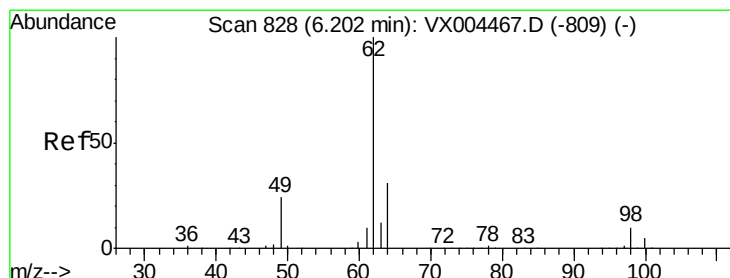
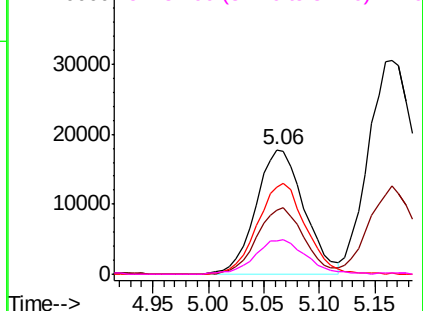
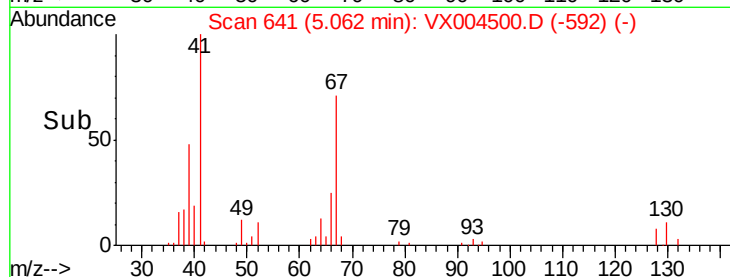
#41
Methacrylonitrile
Concen: 18.20 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion:	41	Resp:	53513
Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.4	63.6
67	73.2	59.2	88.8
52	29.4	23.0	34.4

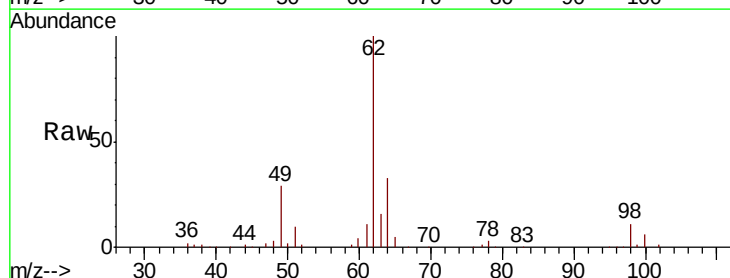


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

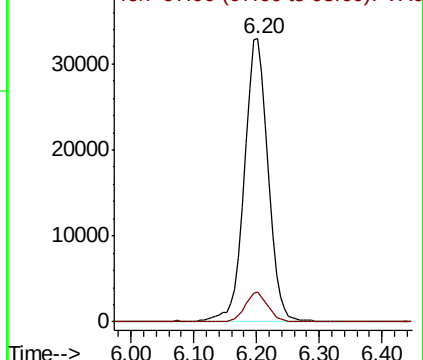
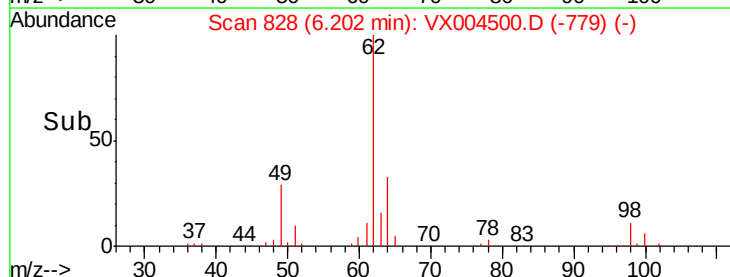


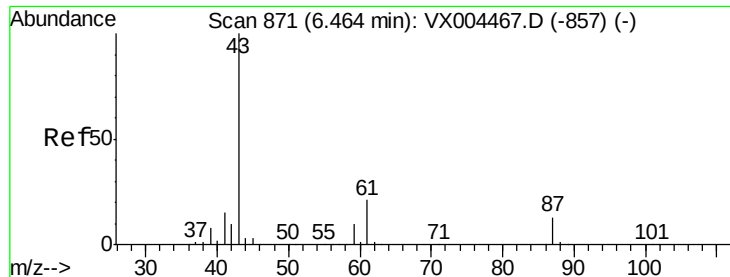
#42
1,2-Dichloroethane
Concen: 18.69 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:	62	Resp:	86309
Ion	Ratio	Lower	Upper
62	100		
98	9.9	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: 20.07 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

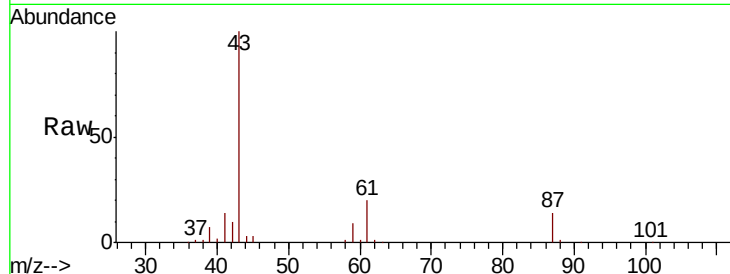
Tot Ion: 43 Resp: 142273

Ion Ratio Lower Upper

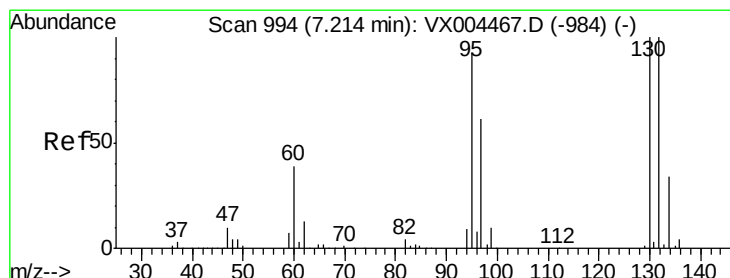
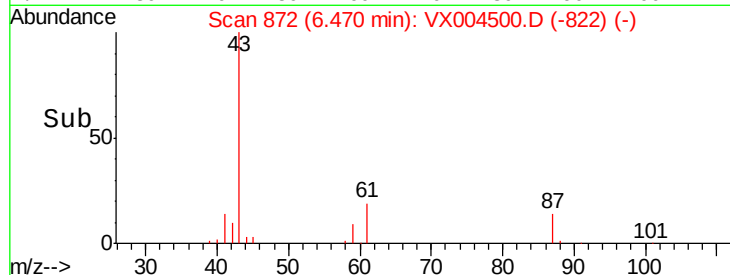
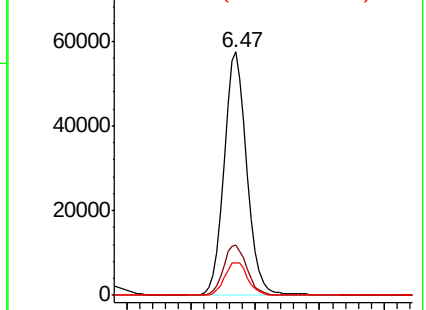
43 100

61 21.3 17.0 25.4

87 13.9 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: 20.40 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004500.D

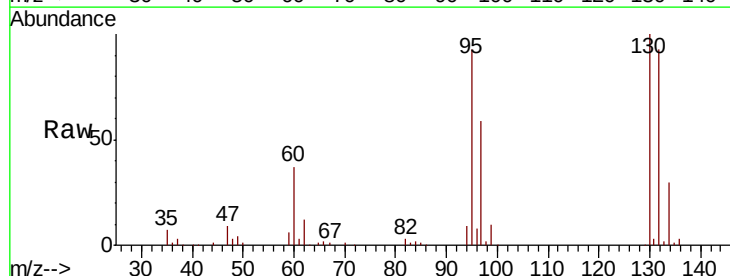
Acq: 12 Sep 2018 17:42

Tgt Ion:130 Resp: 73782

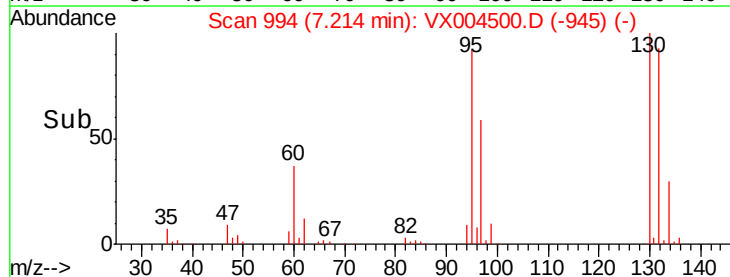
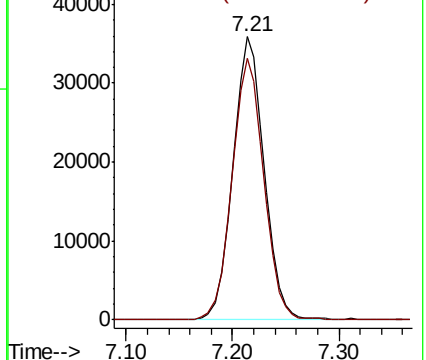
Ion Ratio Lower Upper

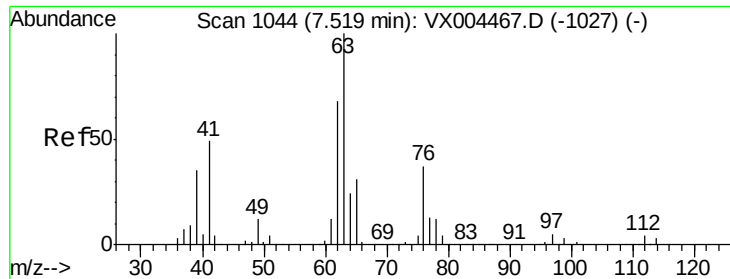
130 100

95 92.6 0.0 181.6



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

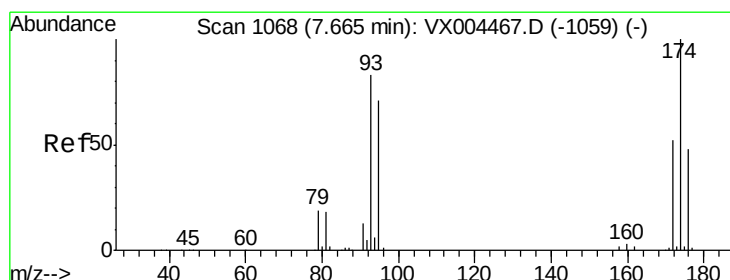
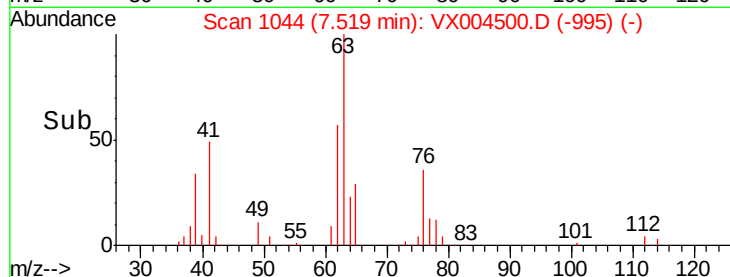
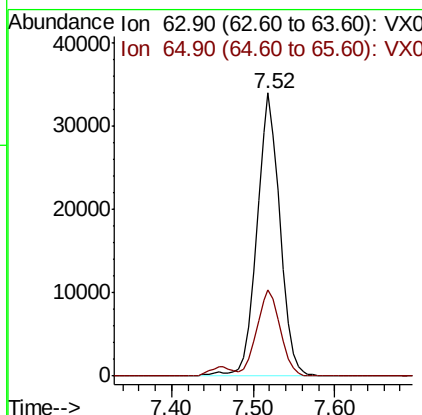
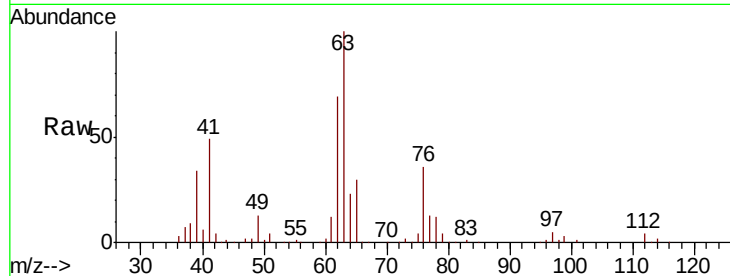




#45
 1,2-Dichloropropane
 Concen: 20.15 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

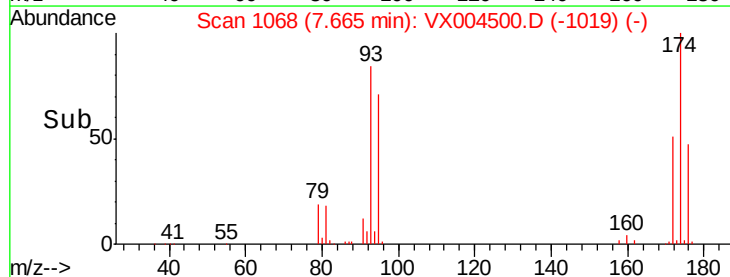
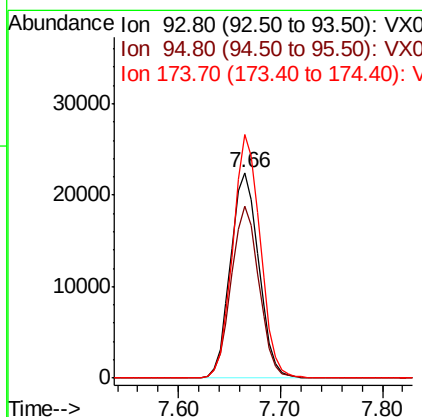
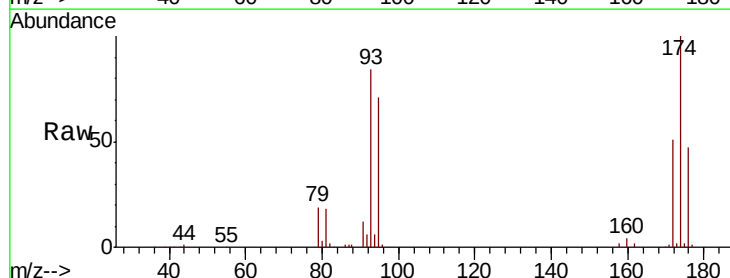
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

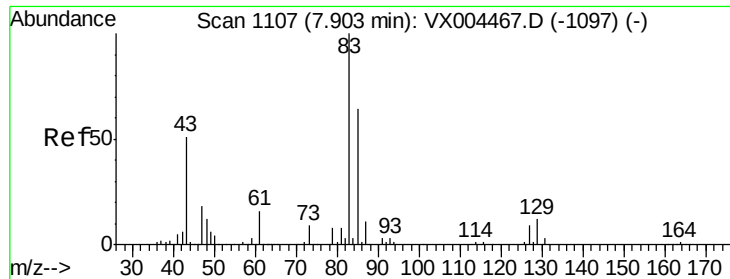
Tot Ion: 63 Resp: 67501
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#46
 Dibromomethane
 Concen: 20.33 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 93 Resp: 43032
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 115.0 94.2 141.4





#47

Bromodichloromethane

Concen: 19.30 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

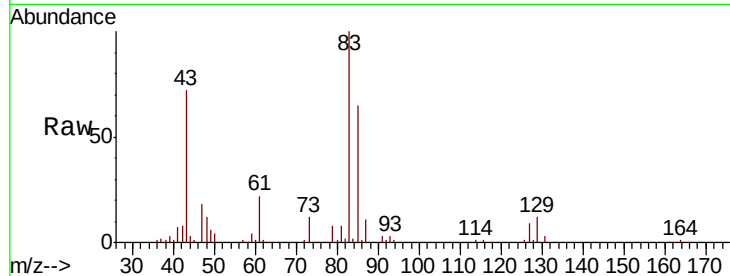
Tot Ion: 83 Resp: 77275

Ion Ratio Lower Upper

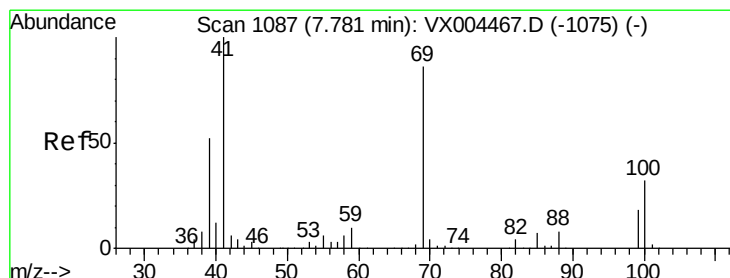
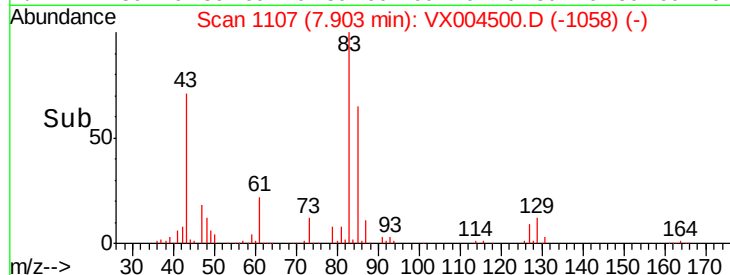
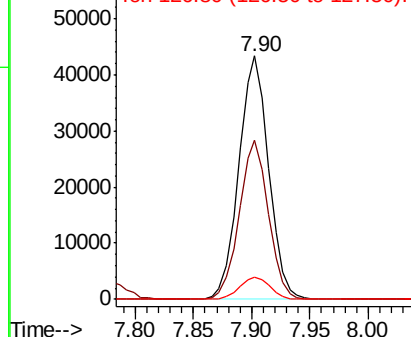
83 100

85 65.0 50.9 76.3

127 9.2 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.78 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

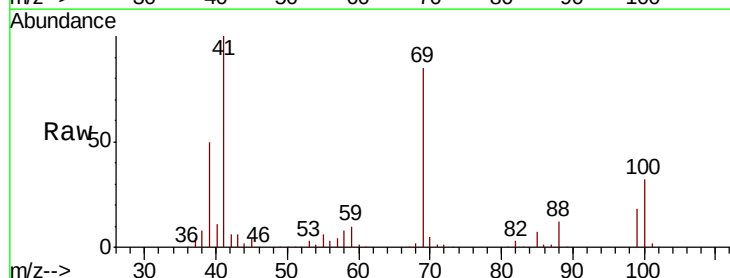
Tgt Ion: 41 Resp: 72918

Ion Ratio Lower Upper

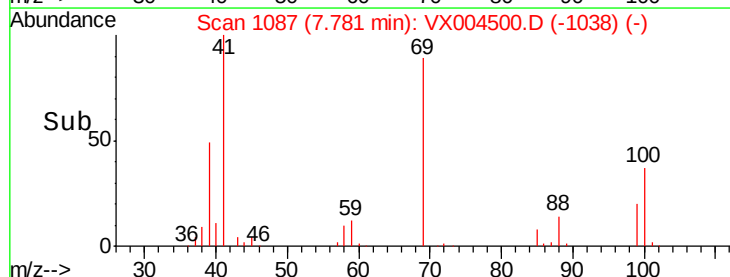
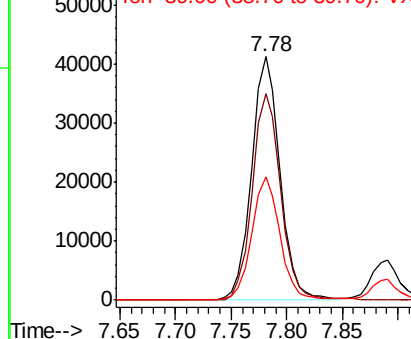
41 100

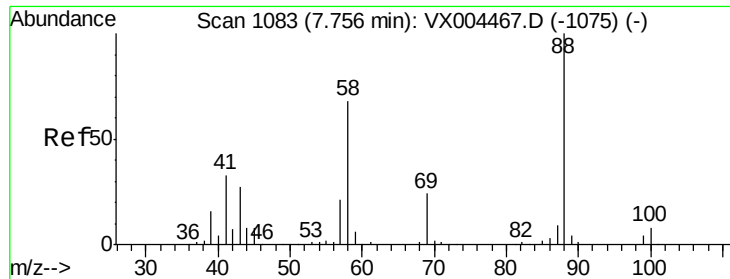
69 86.1 70.2 105.4

39 50.8 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

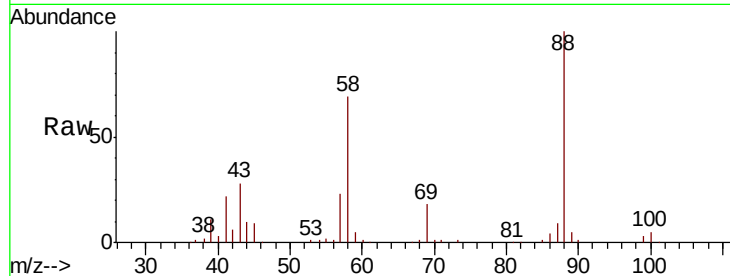




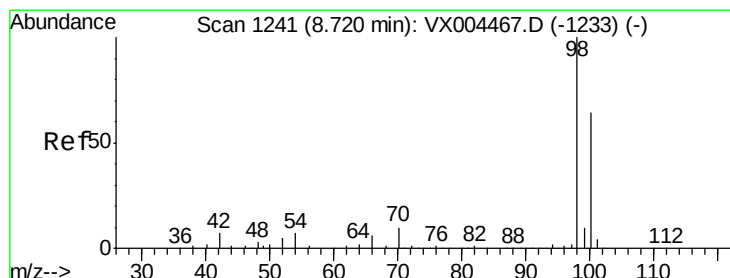
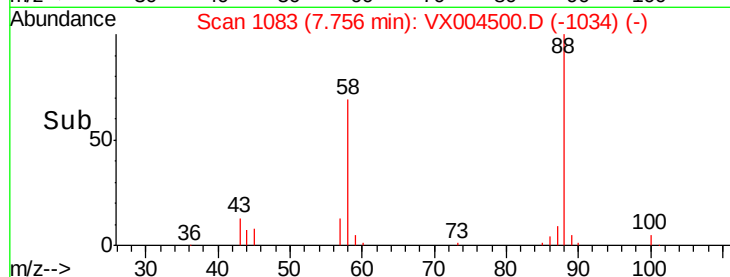
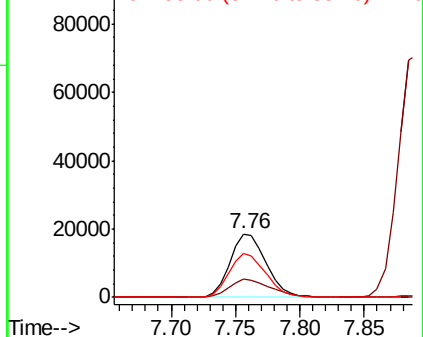
#49
1,4-Dioxane
Concen: 437.41 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion: 88 Resp: 36322
Ion Ratio Lower Upper
88 100
43 31.7 24.7 37.1
58 71.0 55.3 82.9

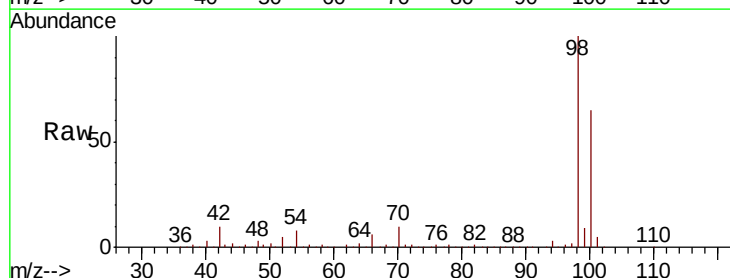


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

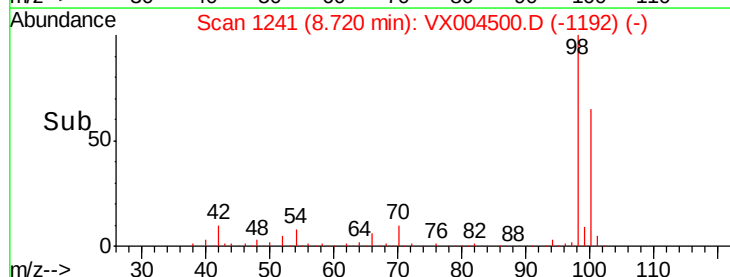
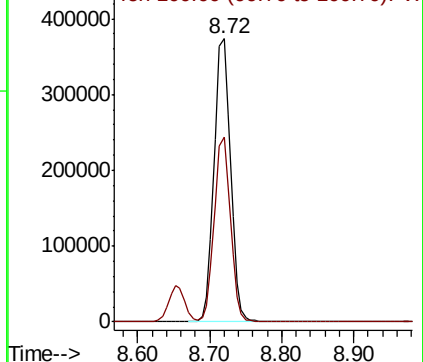


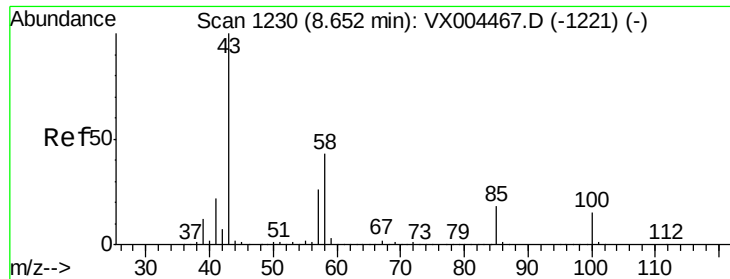
#50
Toluene-d8
Concen: 50.14 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 98 Resp: 594782
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 97.24 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

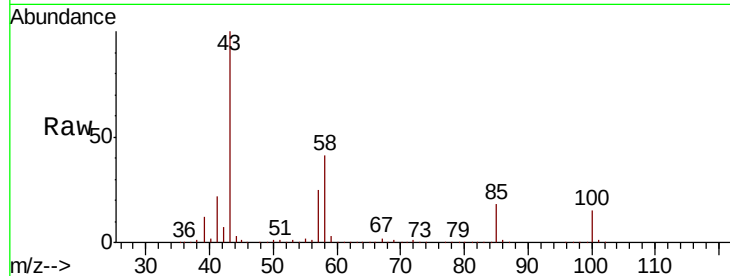
VX0912MBSD02

Tot Ion: 43 Resp: 486484

Ion Ratio Lower Upper

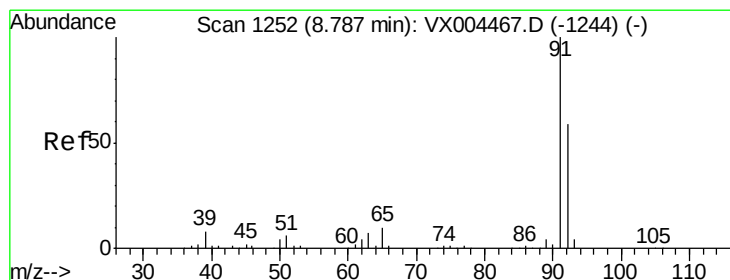
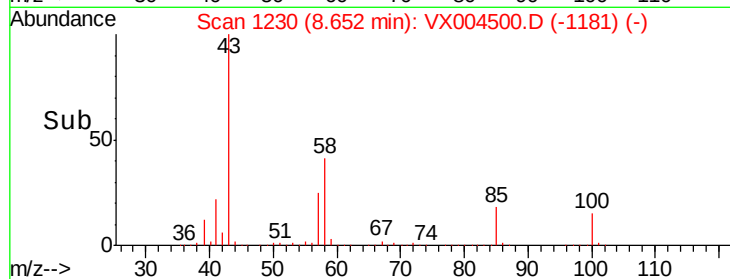
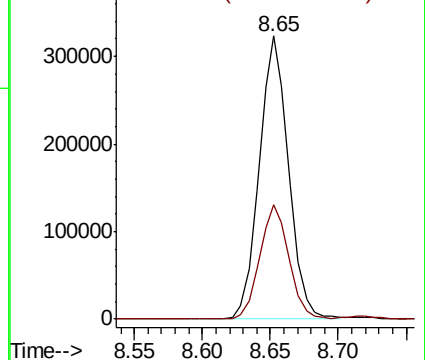
43 100

58 40.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.85 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004500.D

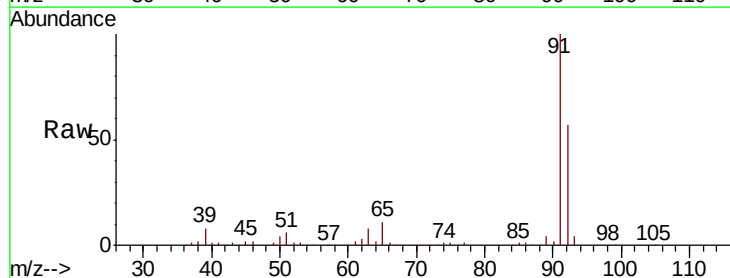
Acq: 12 Sep 2018 17:42

Tgt Ion: 92 Resp: 162846

Ion Ratio Lower Upper

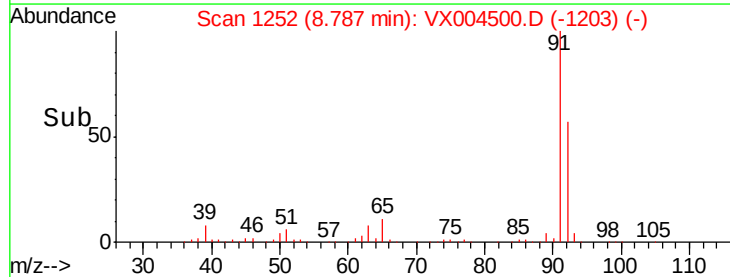
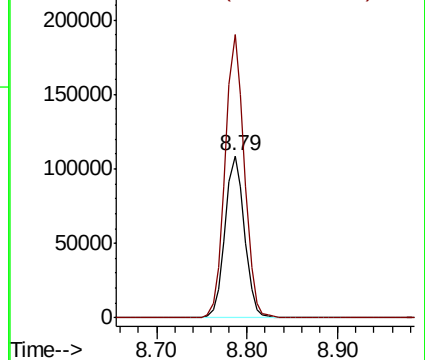
92 100

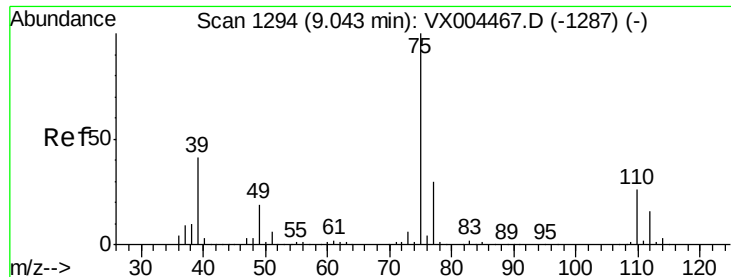
91 173.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.68 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

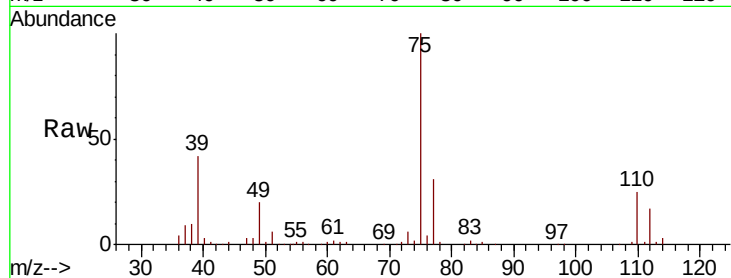
VX0912MBSD02

Tot Ion: 75 Resp: 87362

Ion Ratio Lower Upper

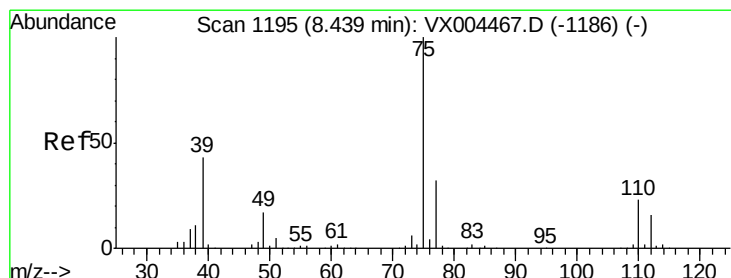
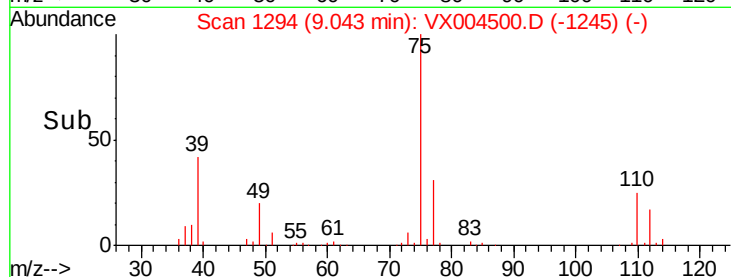
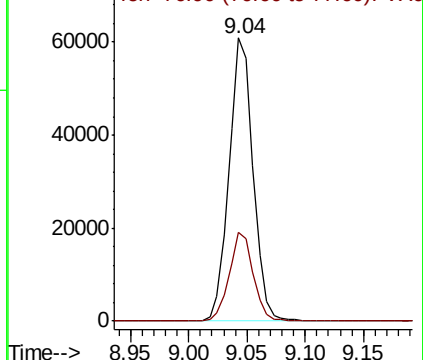
75 100

77 31.3 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.57 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

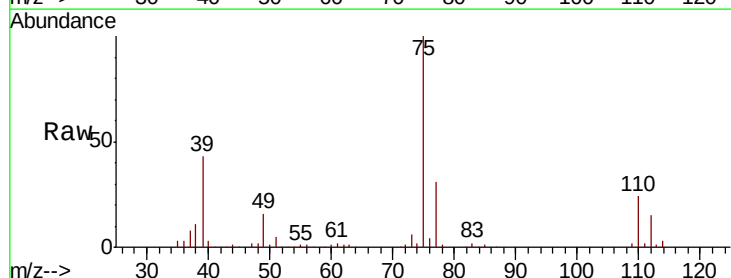
Tgt Ion: 75 Resp: 98048

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

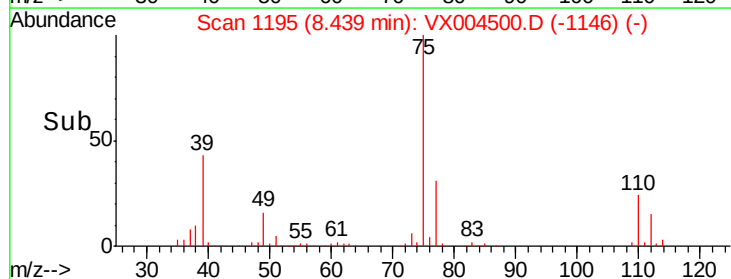
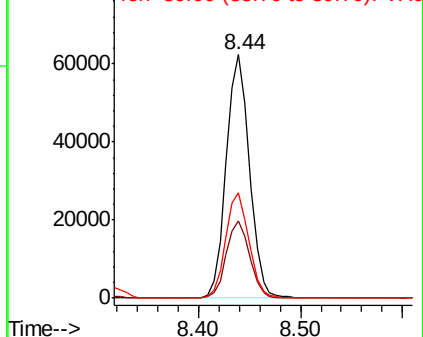
39 43.1 36.4 54.6

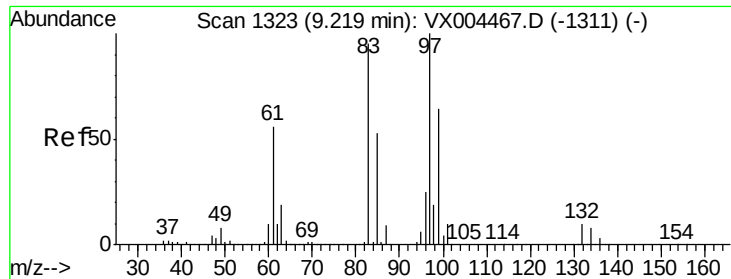


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

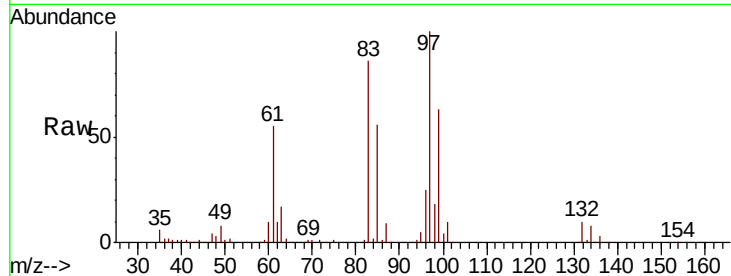




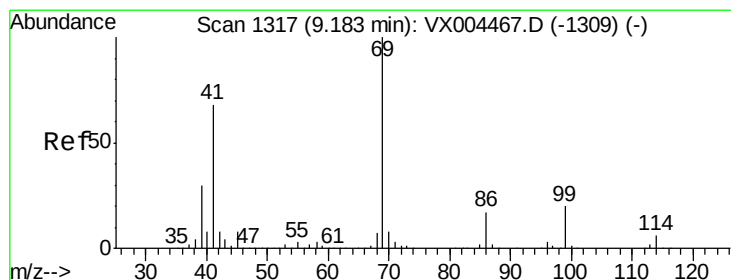
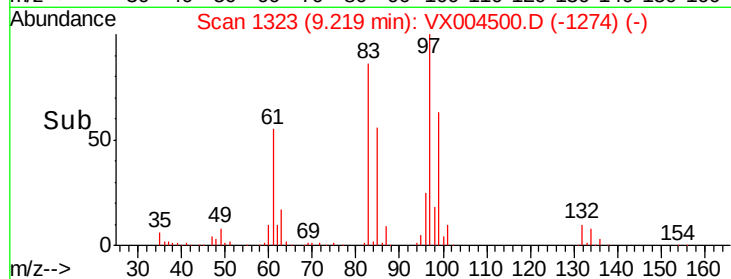
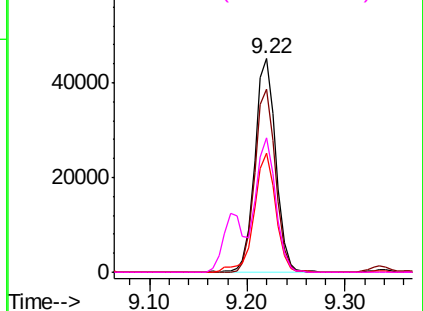
#55
 1,1,2-Trichloroethane
 Concen: 18.92 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion:	97	Resp:	66845
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.4	99.6
85	55.7	43.3	64.9
99	63.2	49.0	73.4

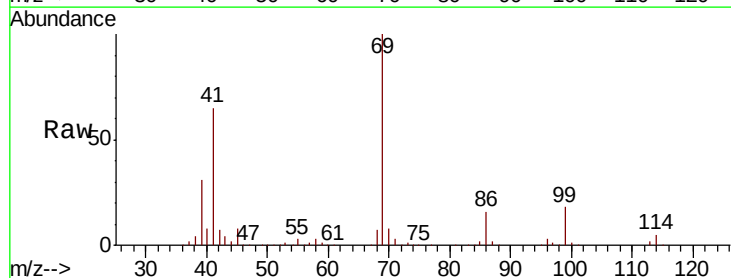


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

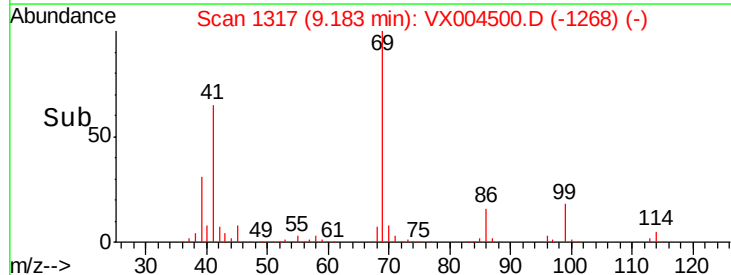
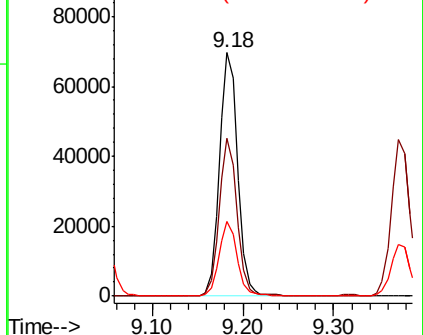


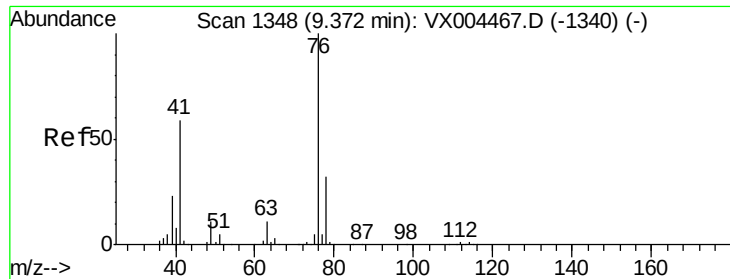
#56
 Ethyl methacrylate
 Concen: 19.53 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion:	69	Resp:	97588
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.0	76.4
39	30.4	26.1	39.1



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

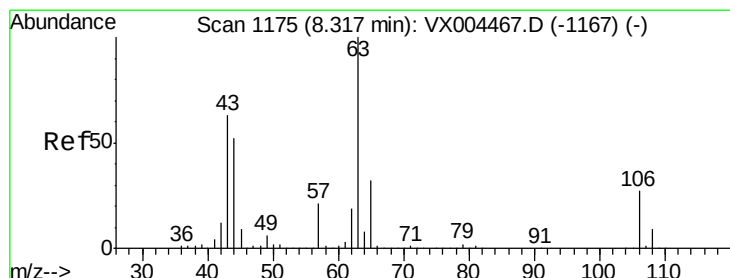
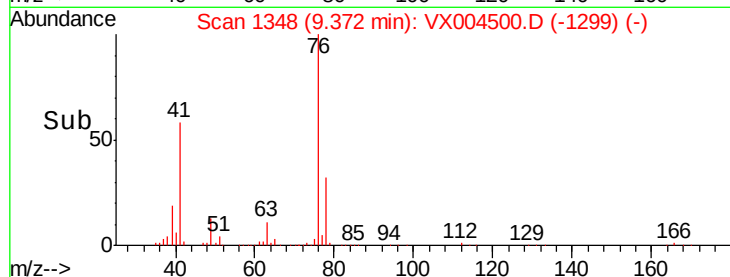
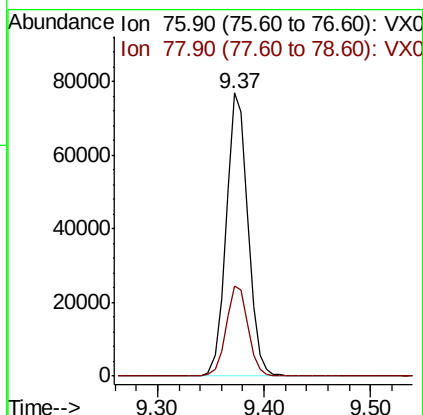
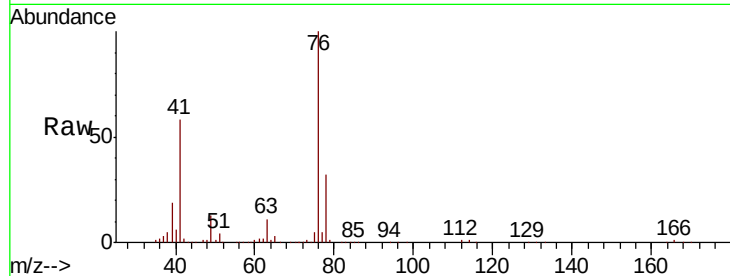




#57
 1,3-Dichloropropane
 Concen: 19.13 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

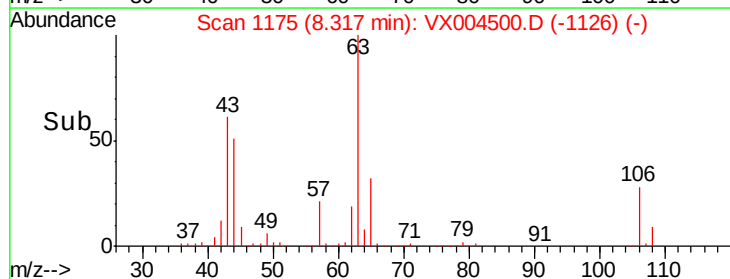
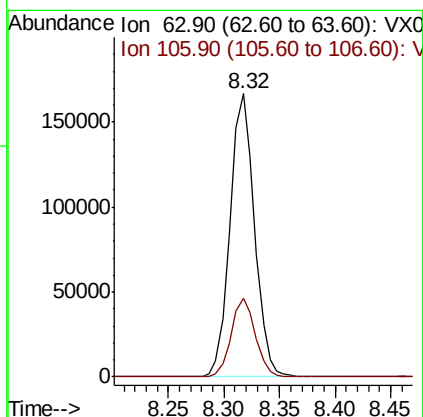
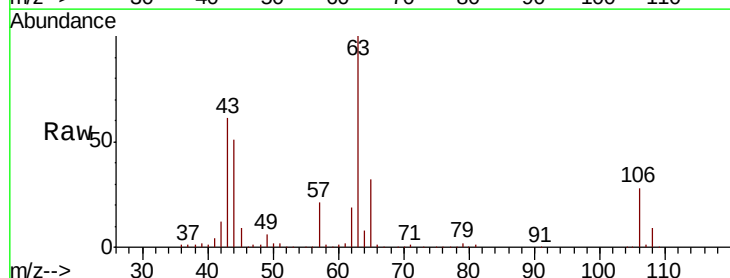
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

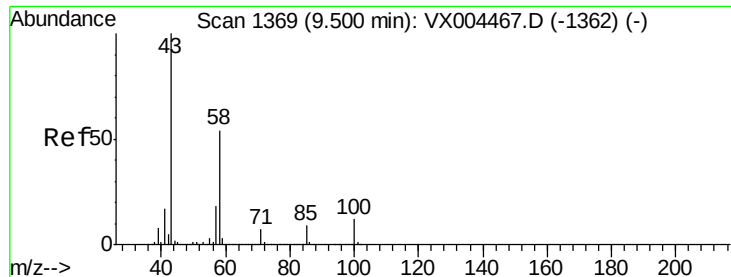
Tot Ion: 76 Resp: 109790
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.01 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 63 Resp: 253678
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.9 35.9

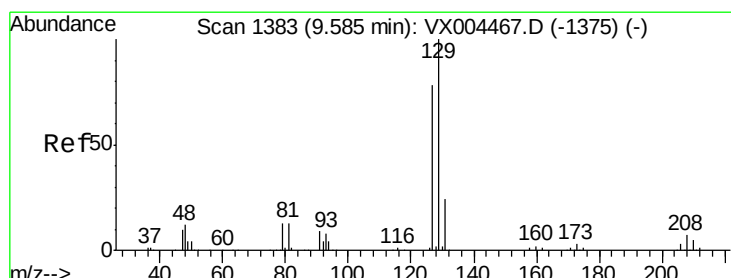
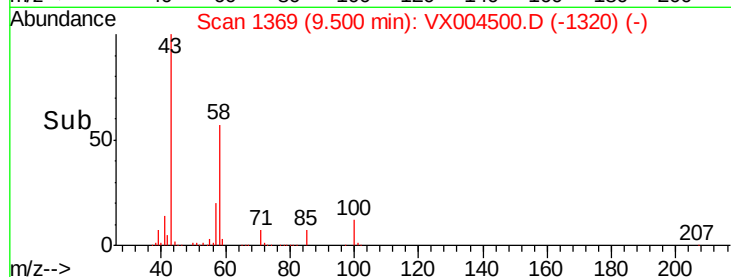
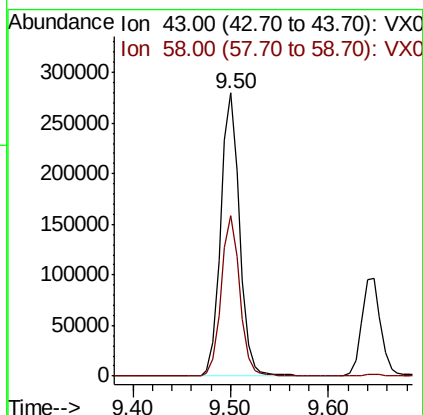
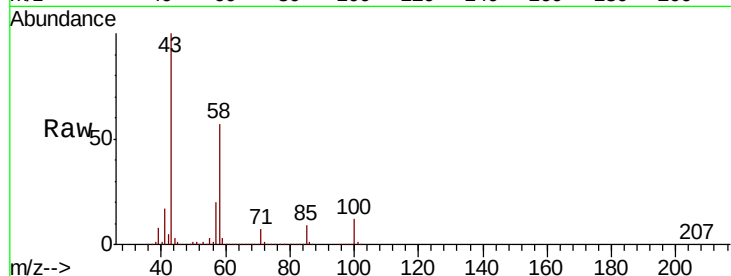




#59
2-Hexanone
Concen: 97.47 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

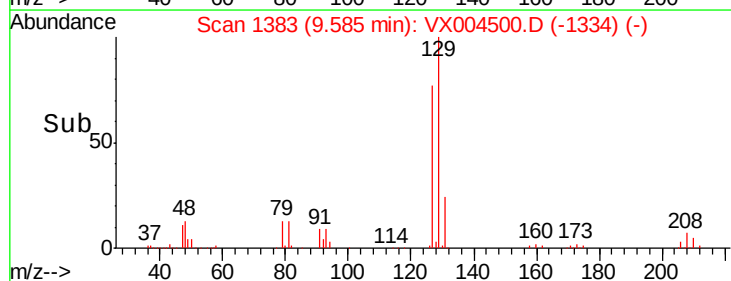
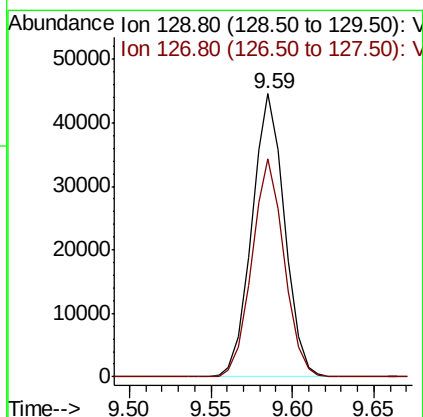
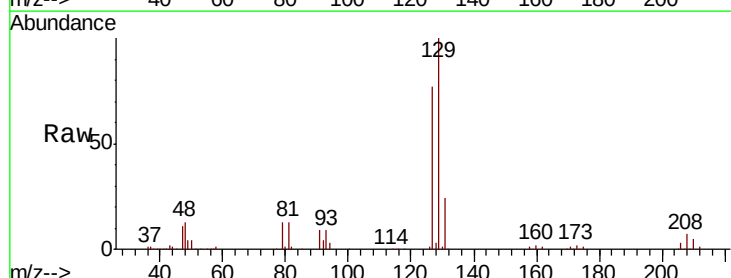
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

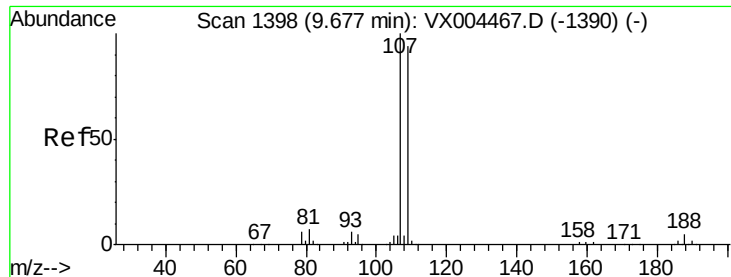
Tot Ion: 43 Resp: 374046
Ion Ratio Lower Upper
43 100
58 56.1 29.0 87.0



#60
Dibromochloromethane
Concen: 18.66 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 129 Resp: 62050
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.36 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

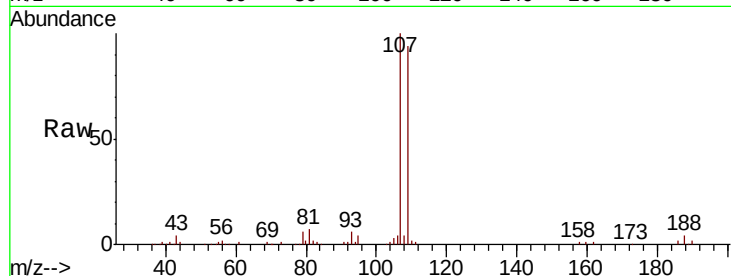
VX0912MBSD02

Tot Ion:107 Resp: 68701

Ion Ratio Lower Upper

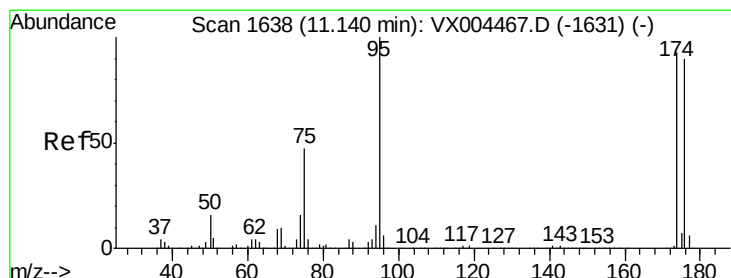
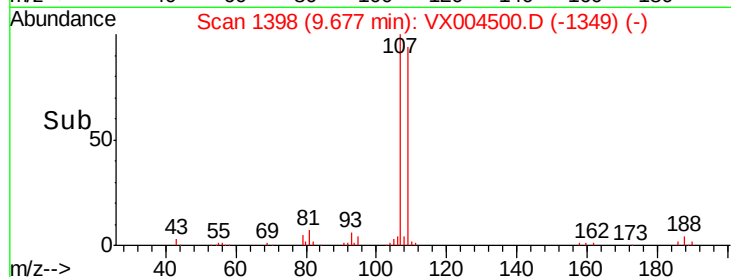
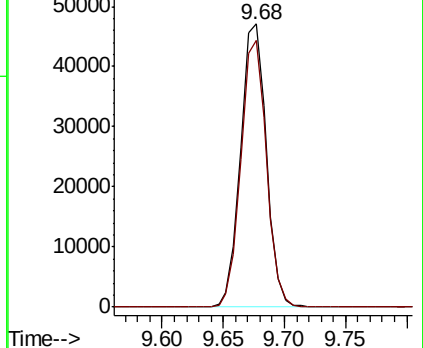
107 100

109 93.6 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: 50.66 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

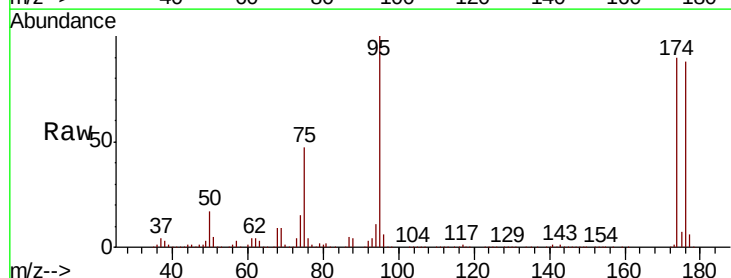
Tgt Ion: 95 Resp: 214513

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

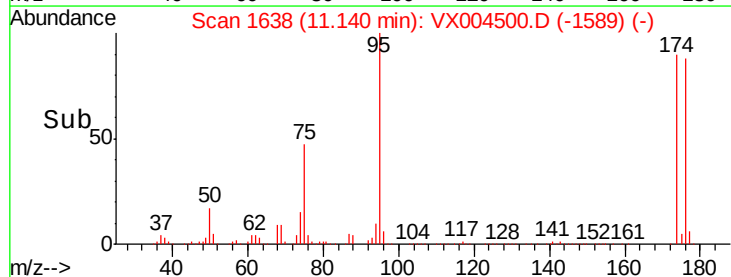
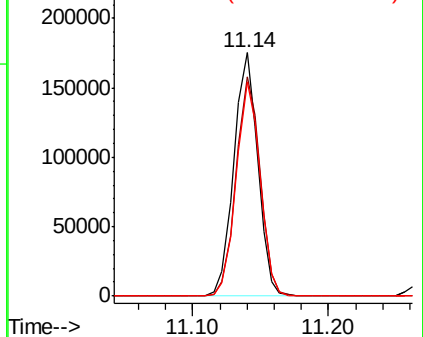
176 88.1 0.0 178.6

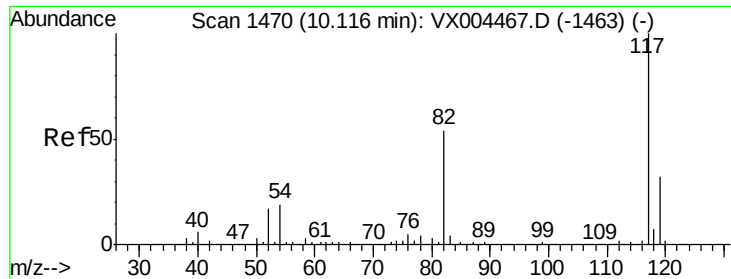


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

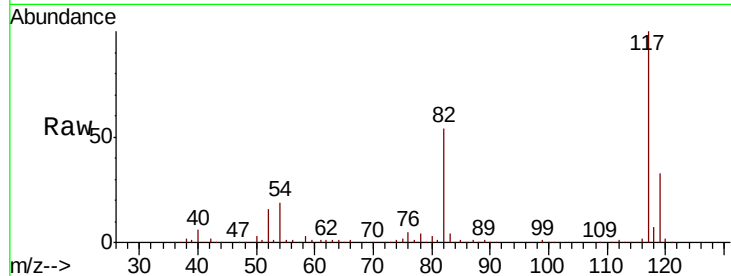




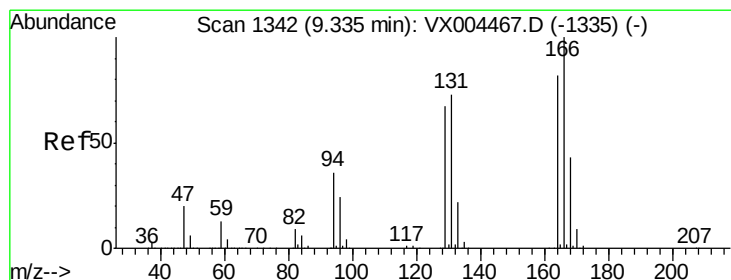
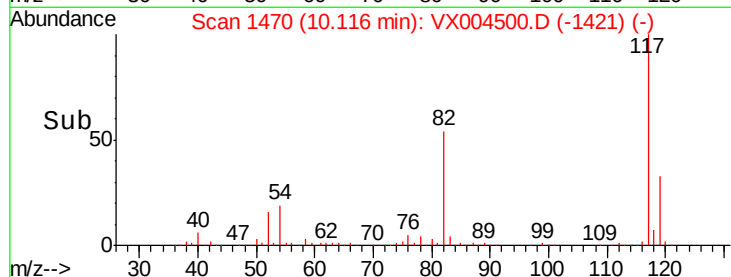
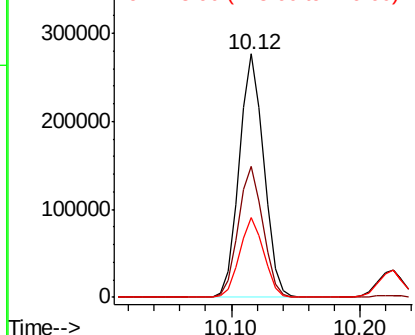
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion:117 Resp: 365909
Ion Ratio Lower Upper
117 100
82 53.6 47.8 71.6
119 32.6 29.3 43.9

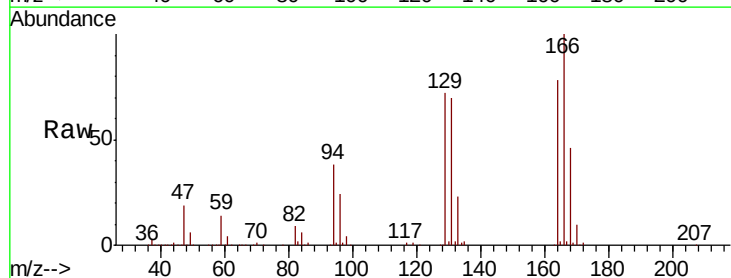


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

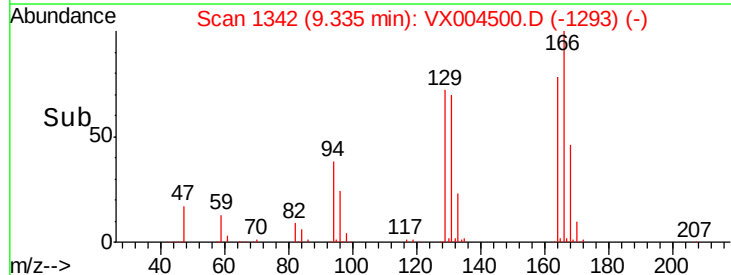
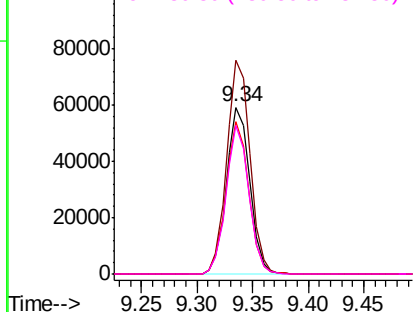


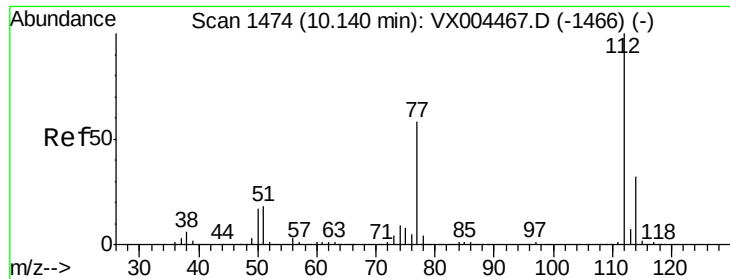
#64
Tetrachloroethene
Concen: 18.78 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:164 Resp: 85783
Ion Ratio Lower Upper
164 100
166 128.3 102.8 154.2
129 91.9 69.4 104.0
131 89.5 67.9 101.9



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

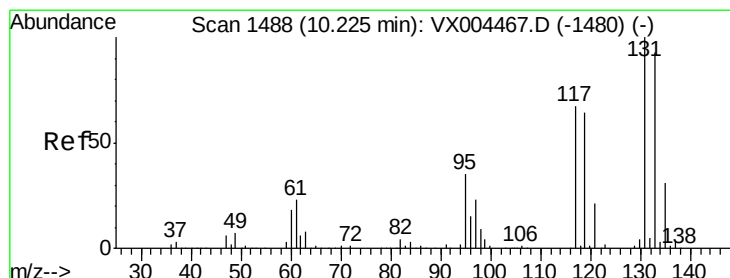
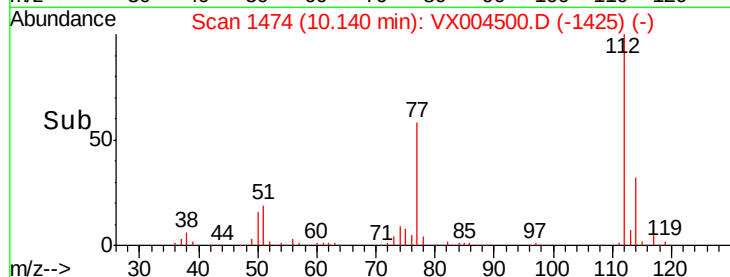
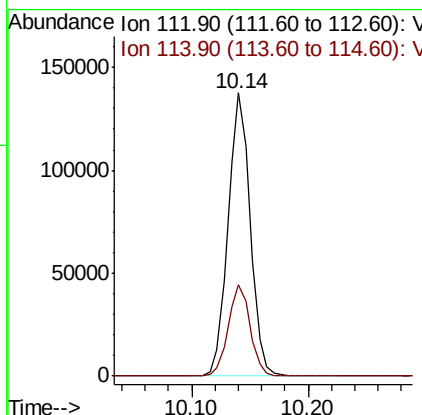
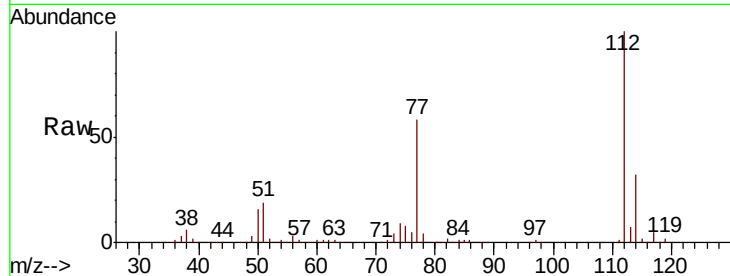




#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

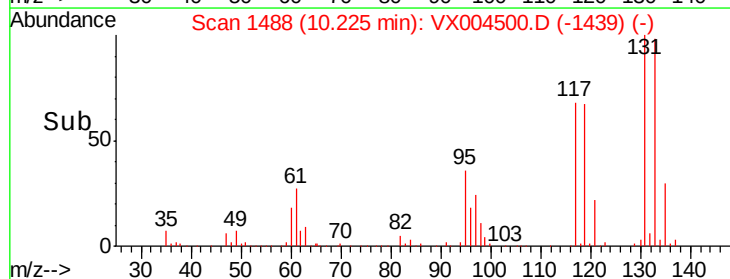
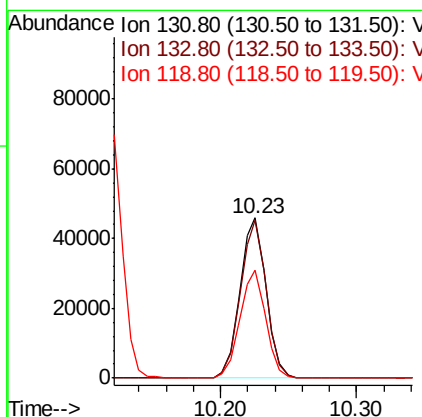
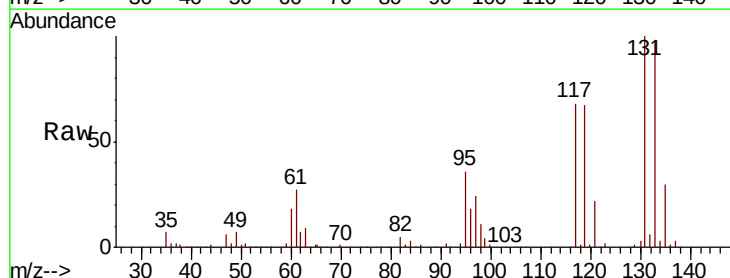
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

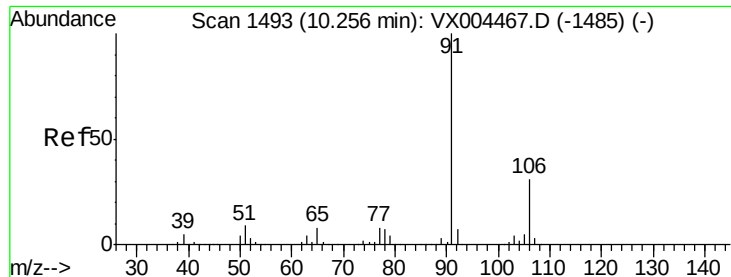
Tot Ion:112 Resp: 181238
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.50 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:131 Resp: 61114
Ion Ratio Lower Upper
131 100
133 97.2 48.1 144.4
119 66.7 32.9 98.6





#67

Ethyl Benzene

Concen: 20.42 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

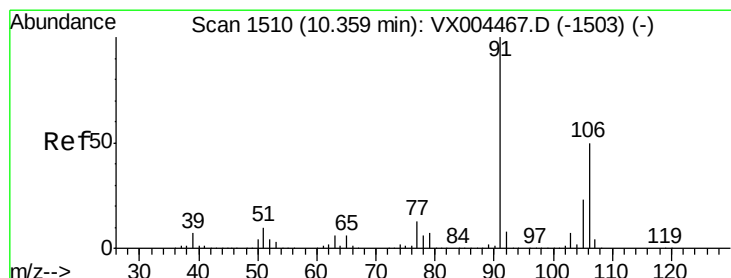
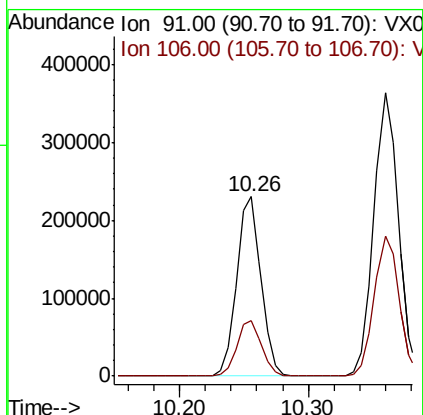
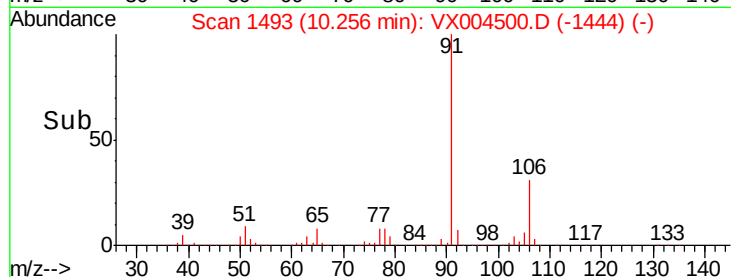
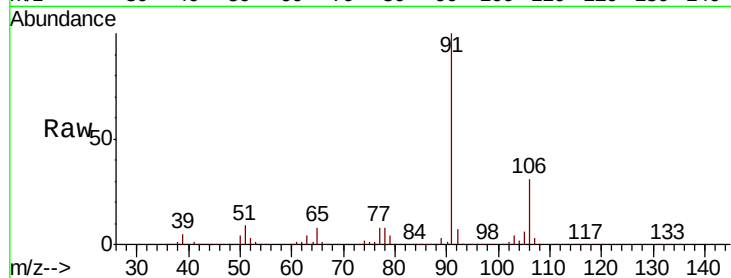
VX0912MBS02

Tot Ion: 91 Resp: 301738

Ion Ratio Lower Upper

91 100

106 31.0 25.9 38.9



#68

m/p-Xylenes

Concen: 42.00 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004500.D

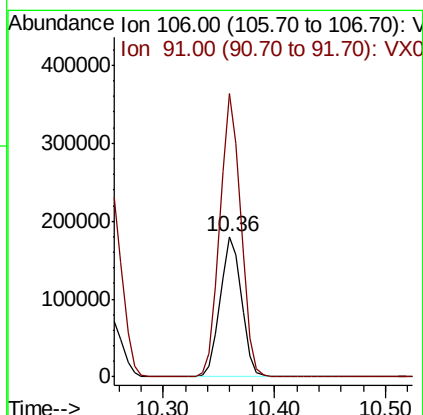
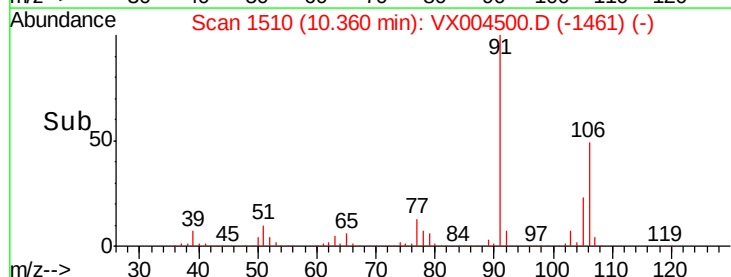
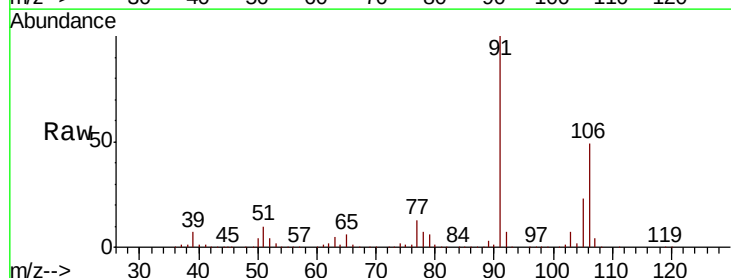
Acq: 12 Sep 2018 17:42

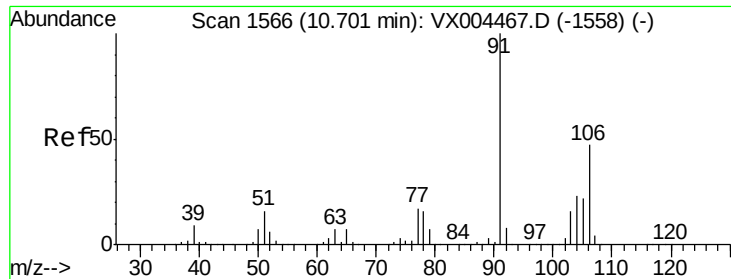
Tgt Ion: 106 Resp: 239084

Ion Ratio Lower Upper

106 100

91 199.3 157.1 235.7

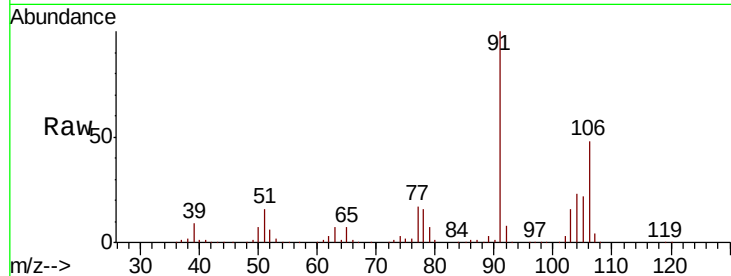




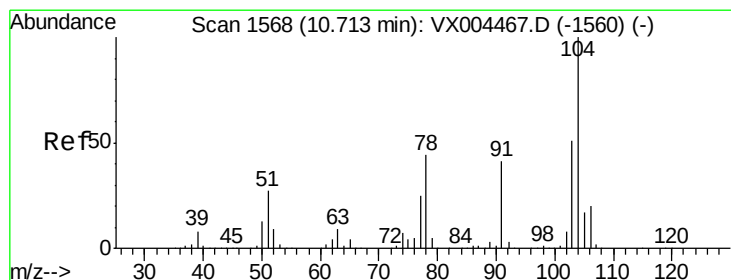
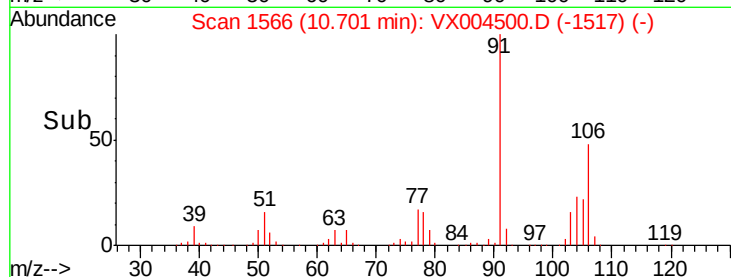
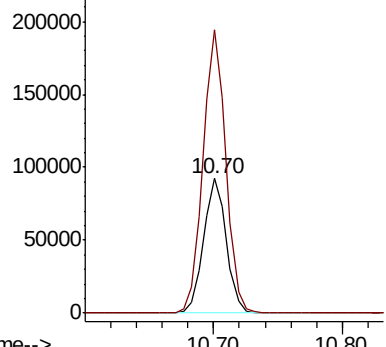
#69
o-Xylene
Concen: 20.87 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion:106 Resp: 114207
Ion Ratio Lower Upper
106 100
91 210.9 105.1 315.1

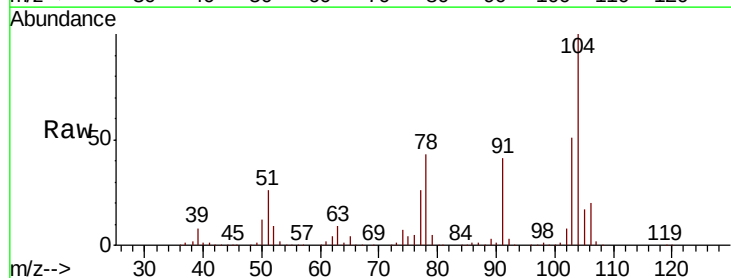


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

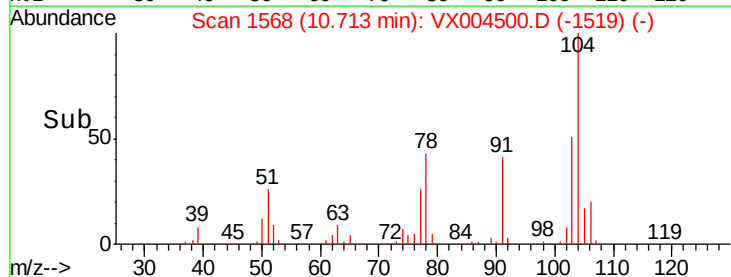
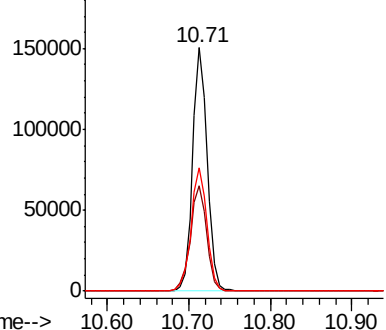


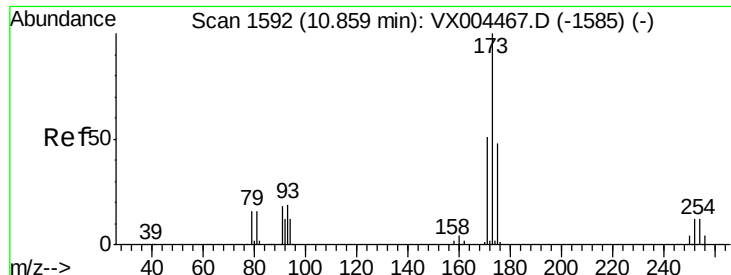
#70
Styrene
Concen: 20.96 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:104 Resp: 190019
Ion Ratio Lower Upper
104 100
78 48.2 37.4 56.0
103 55.2 43.8 65.6



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





#71

Bromoform

Concen: 18.13 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

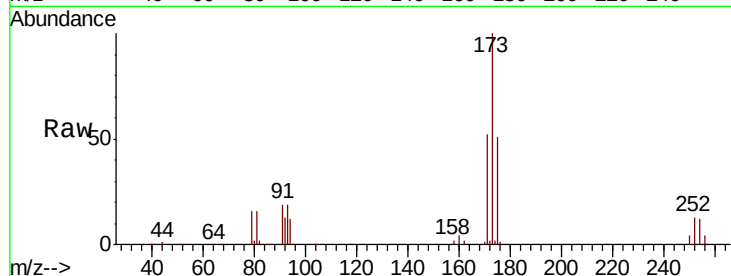
Tot Ion:173 Resp: 46654

Ion Ratio Lower Upper

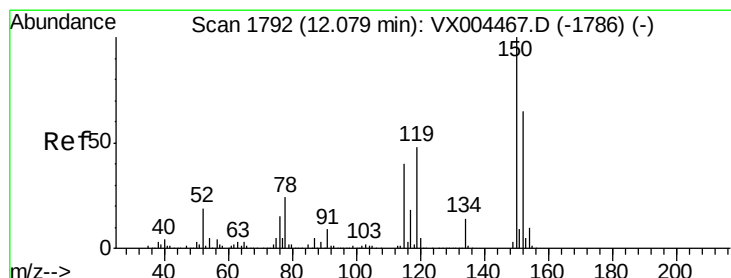
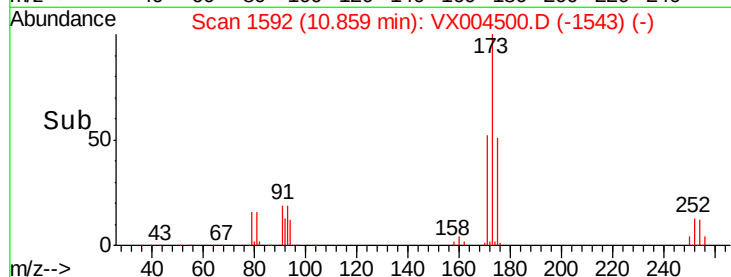
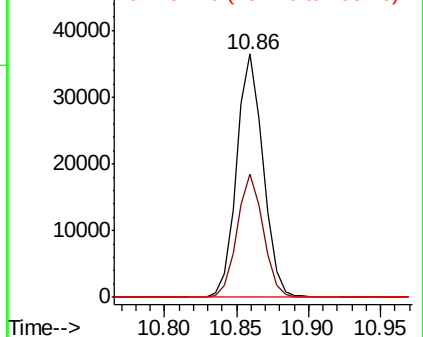
173 100

175 50.0 24.1 72.3

254 0.2 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

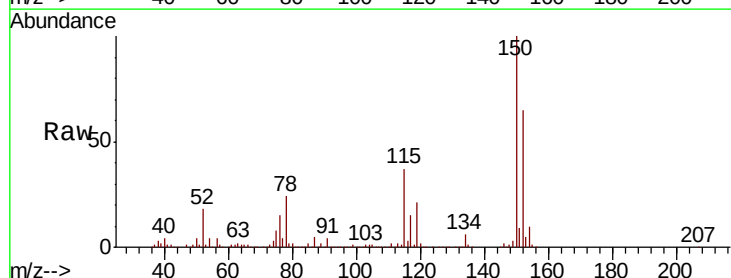
Tgt Ion:152 Resp: 215915

Ion Ratio Lower Upper

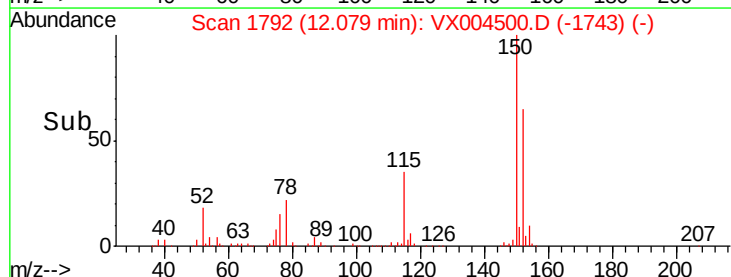
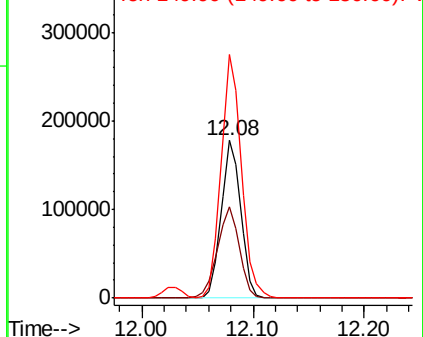
152 100

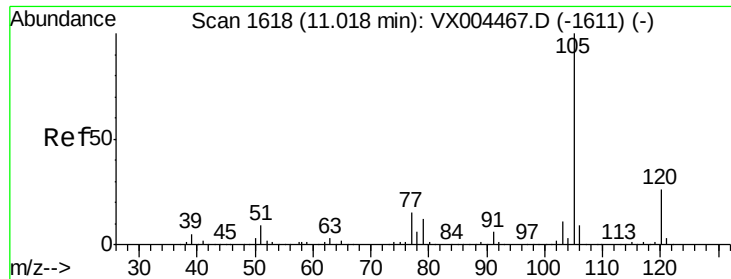
115 64.6 39.0 117.0

150 161.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.69 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleID :

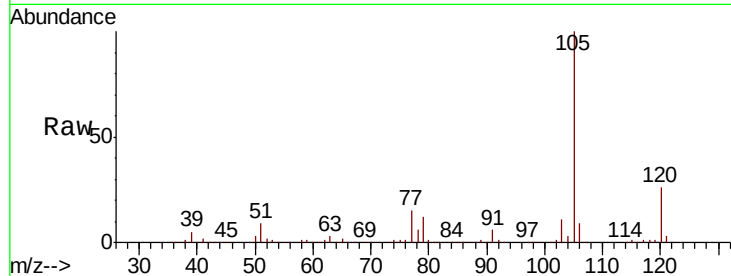
VX0912MBSD02

Tot Ion:105 Resp: 308438

Ion Ratio Lower Upper

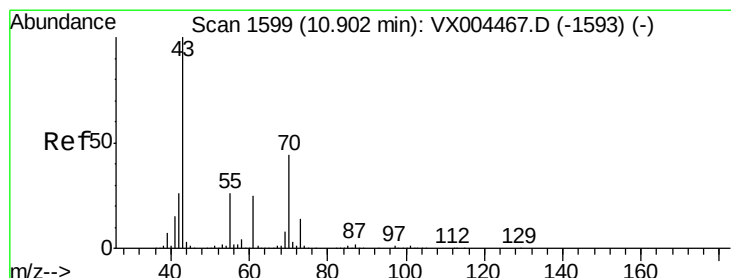
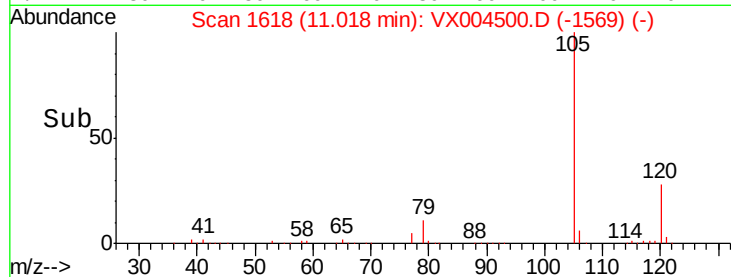
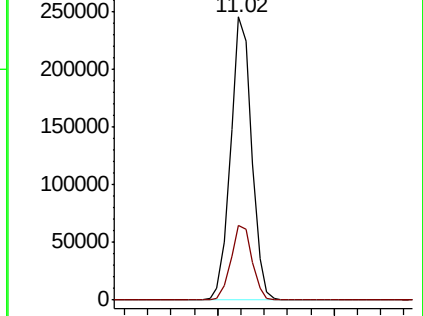
105 100

120 26.8 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: 20.95 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion: 43 Resp: 125377

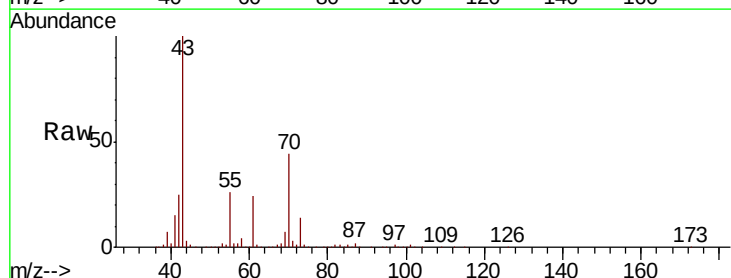
Ion Ratio Lower Upper

43 100

70 44.1 37.4 56.0

55 27.1 21.8 32.8

61 24.9 20.6 30.8

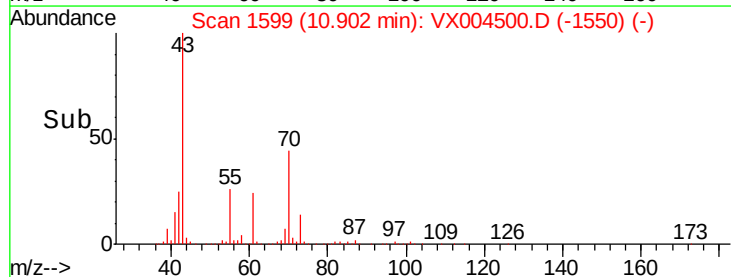
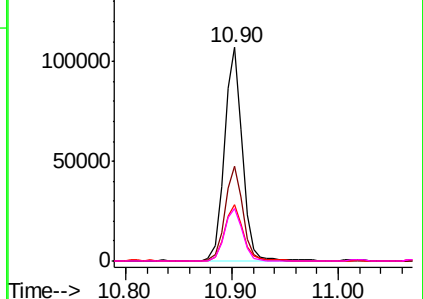


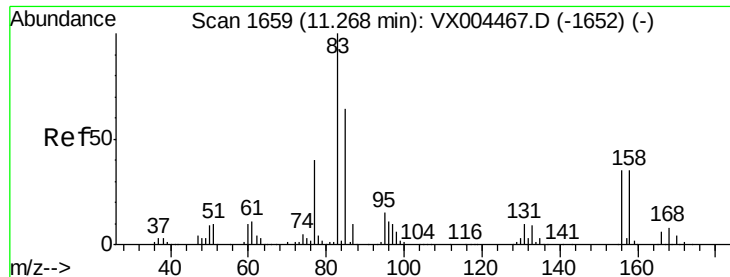
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.22 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

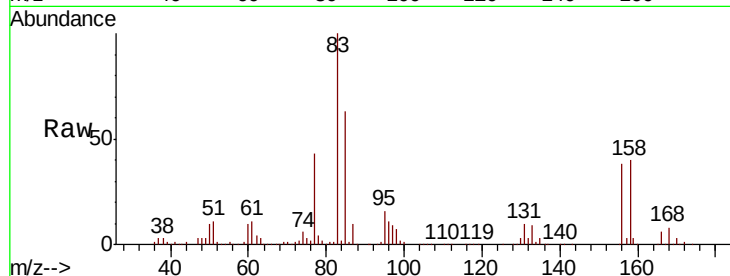
Tot Ion: 83 Resp: 92727

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

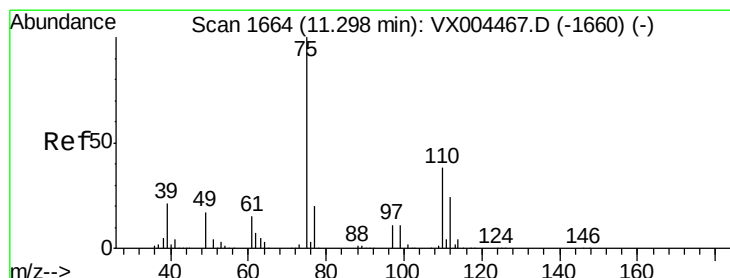
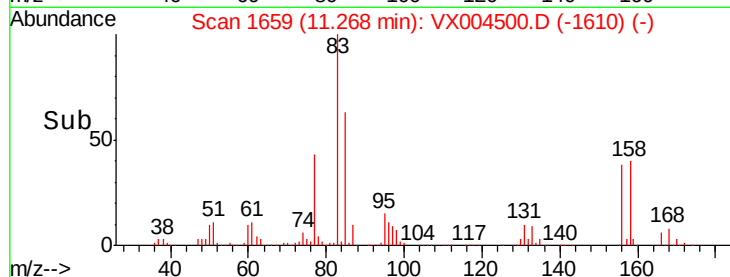
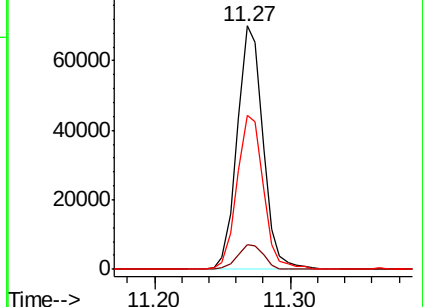
85 64.6 32.3 96.8



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: 25.85 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004500.D

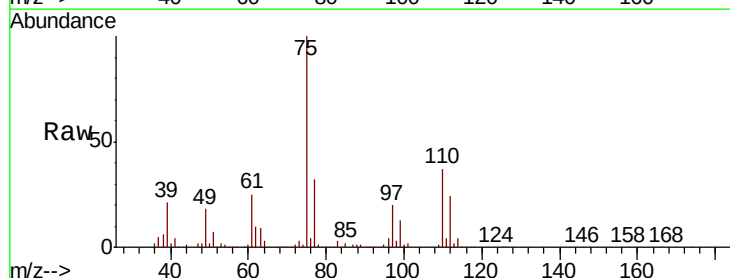
Acq: 12 Sep 2018 17:42

Tgt Ion: 75 Resp: 112299

Ion Ratio Lower Upper

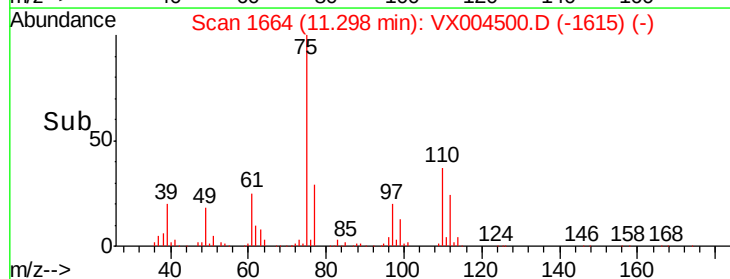
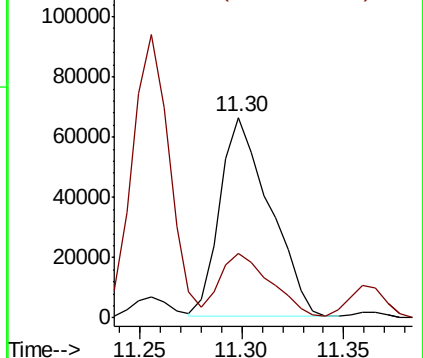
75 100

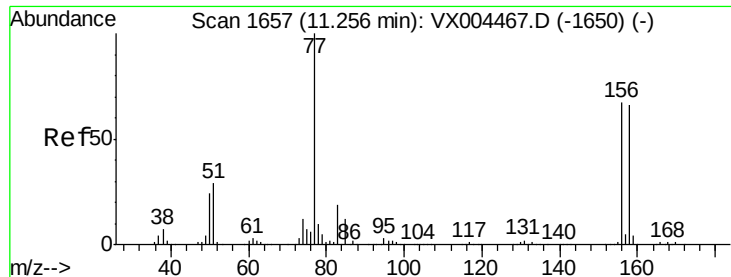
77 33.2 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.60 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

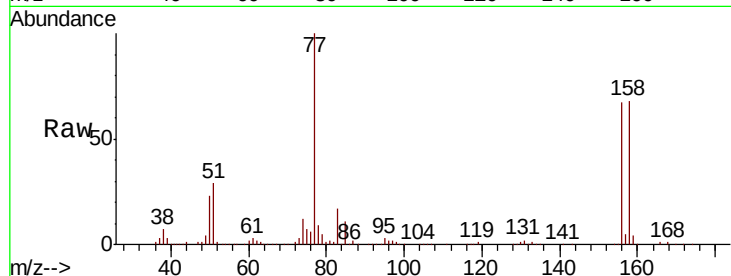
Tot Ion:156 Resp: 80963

Ion Ratio Lower Upper

156 100

77 147.5 71.5 214.3

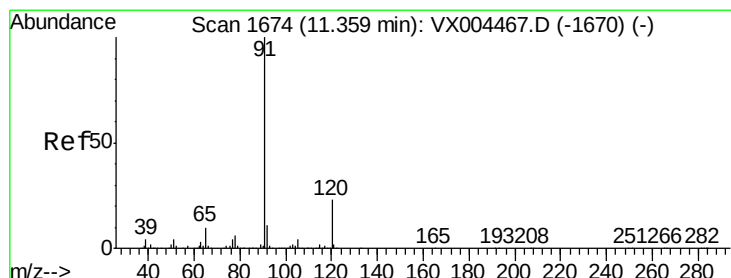
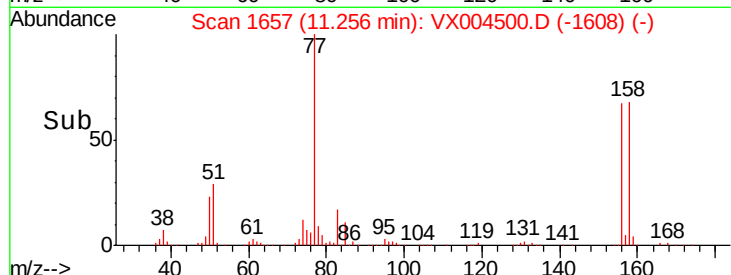
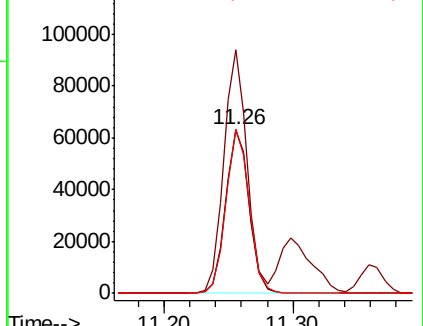
158 99.5 48.9 146.8



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: 21.76 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004500.D

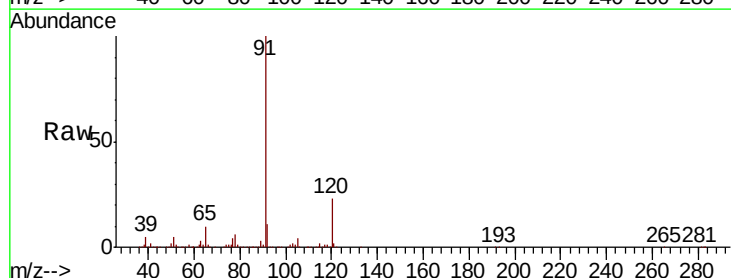
Acq: 12 Sep 2018 17:42

Tgt Ion: 91 Resp: 355792

Ion Ratio Lower Upper

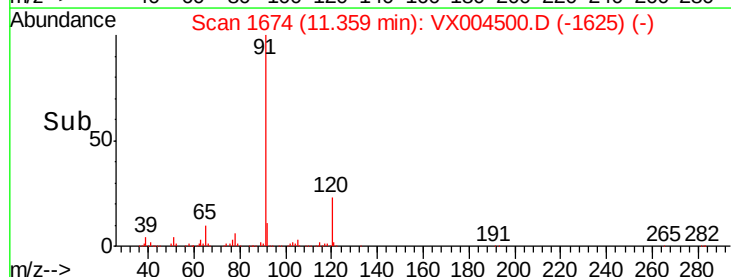
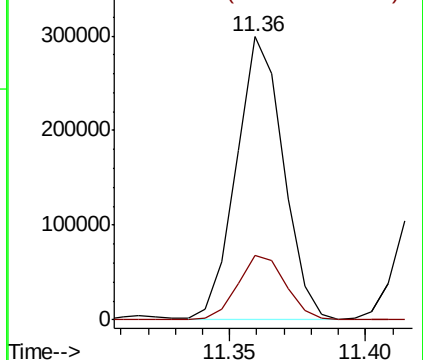
91 100

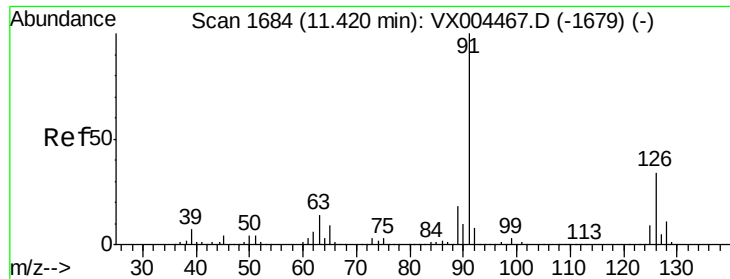
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.22 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

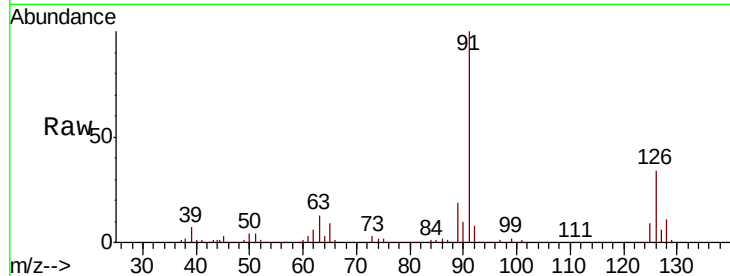
VX0912MBSD02

Tot Ion: 91 Resp: 210469

Ion Ratio Lower Upper

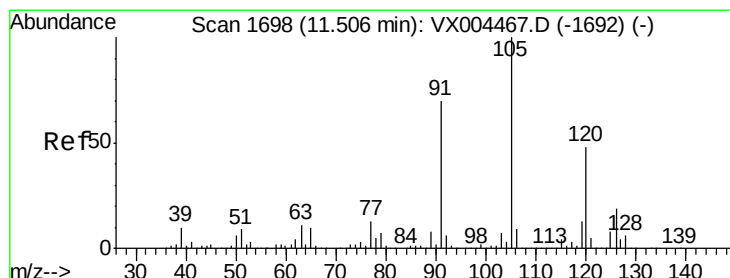
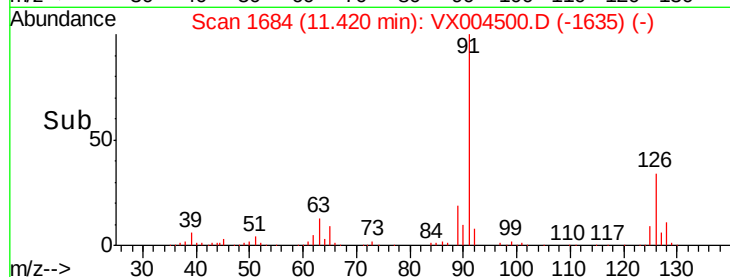
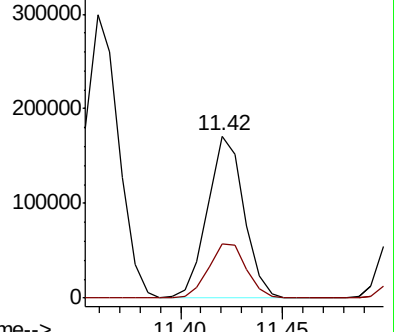
91 100

126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.62 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004500.D

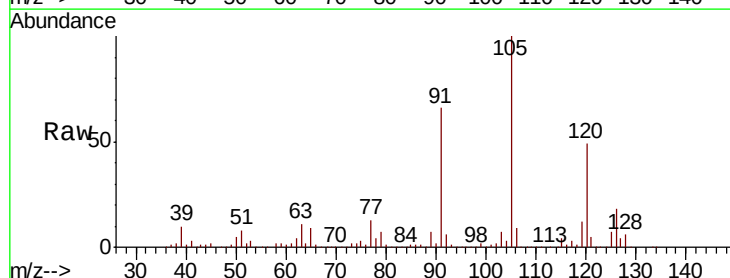
Acq: 12 Sep 2018 17:42

Tgt Ion:105 Resp: 258493

Ion Ratio Lower Upper

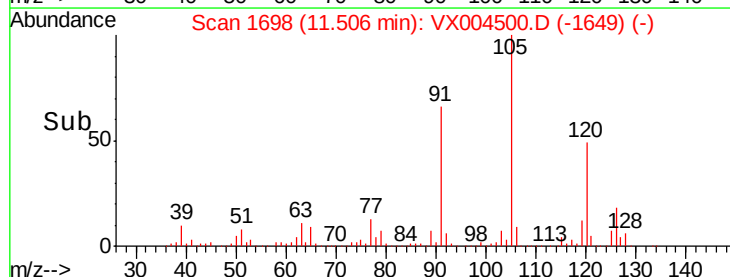
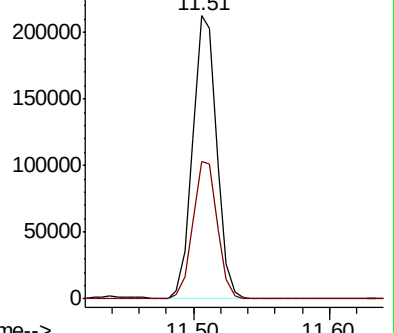
105 100

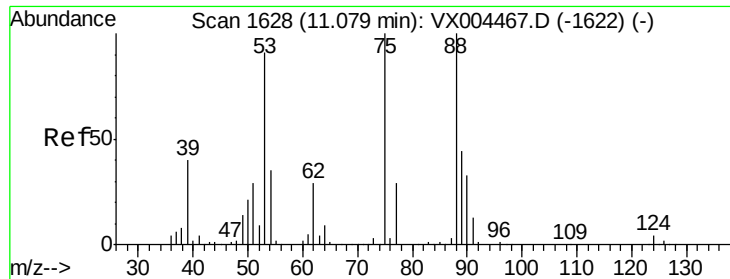
120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.09 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

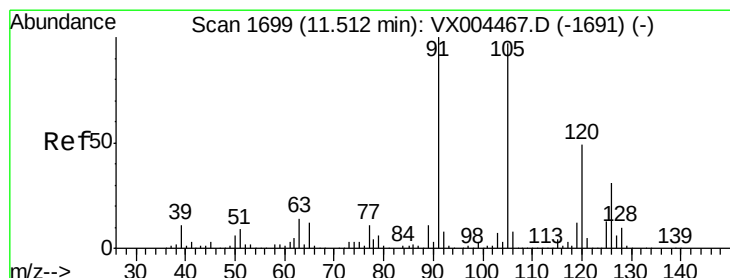
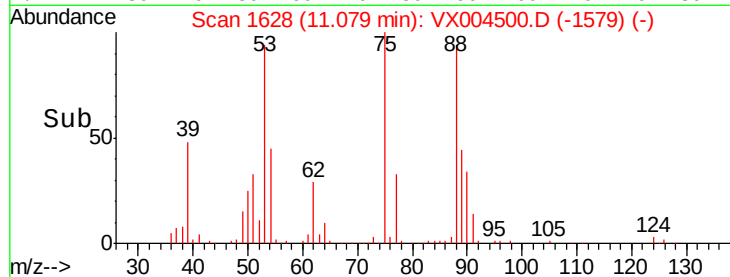
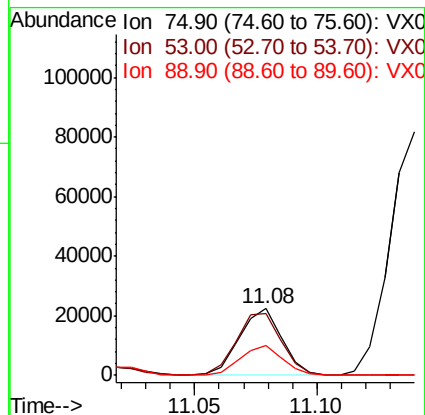
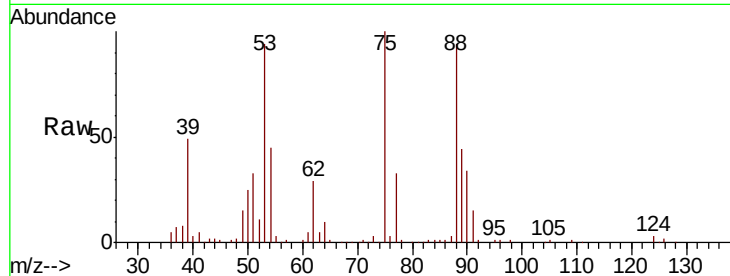
Tot Ion: 75 Resp: 27373

Ion Ratio Lower Upper

75 100

53 98.0 80.1 120.1

89 44.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 21.19 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004500.D

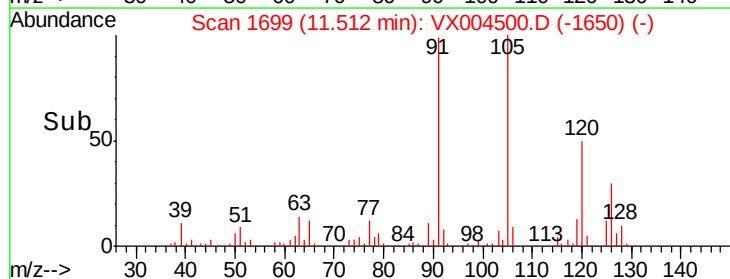
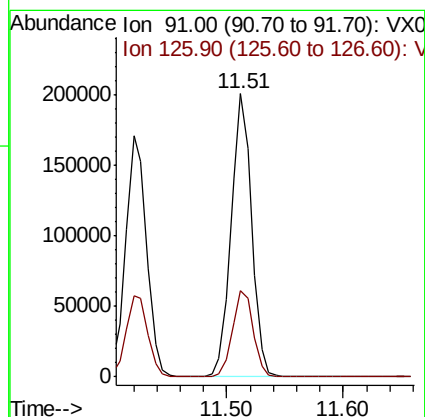
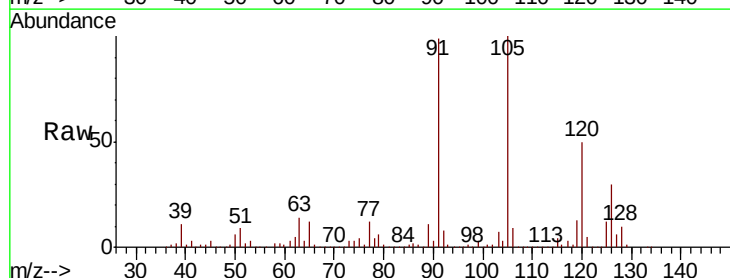
Acq: 12 Sep 2018 17:42

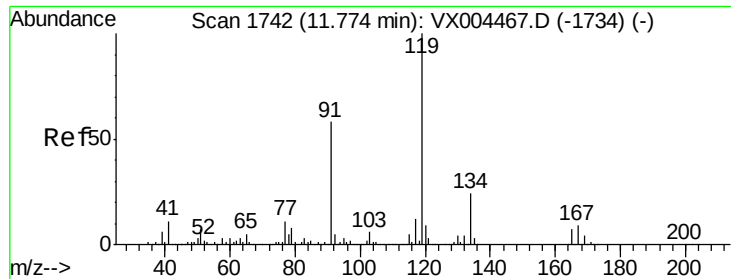
Tgt Ion: 91 Resp: 245241

Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5

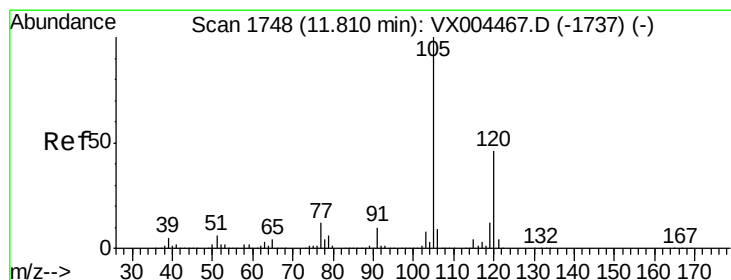
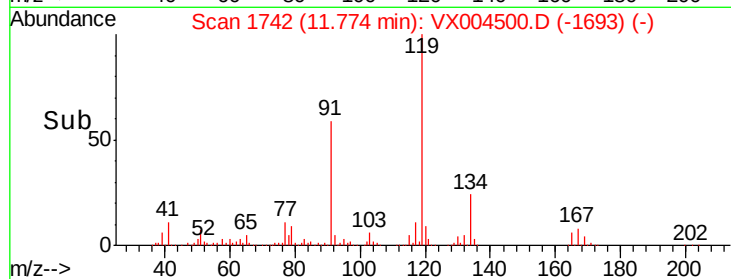
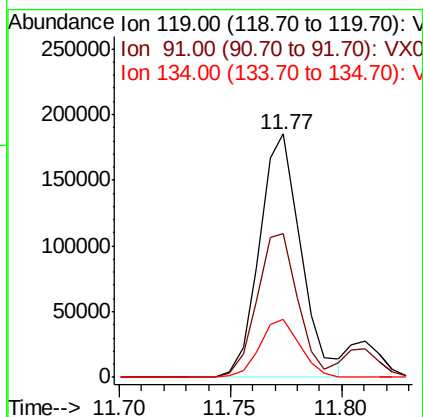
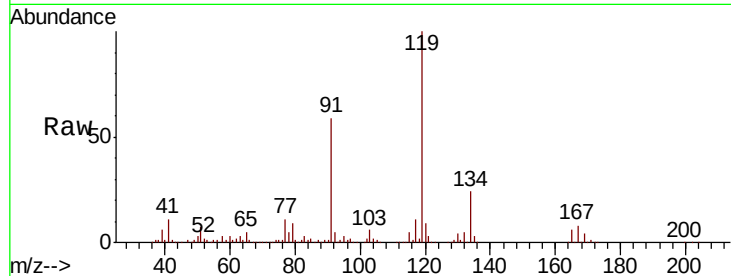




#83
 tert-Butylbenzene
 Concen: 21.07 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

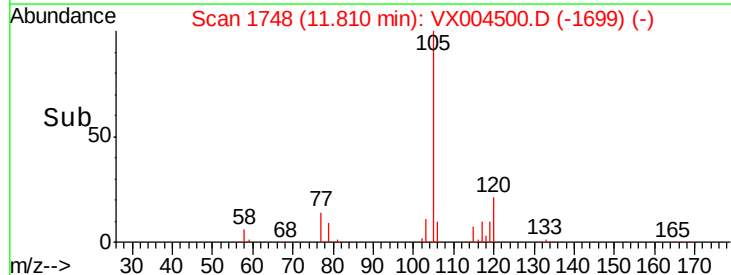
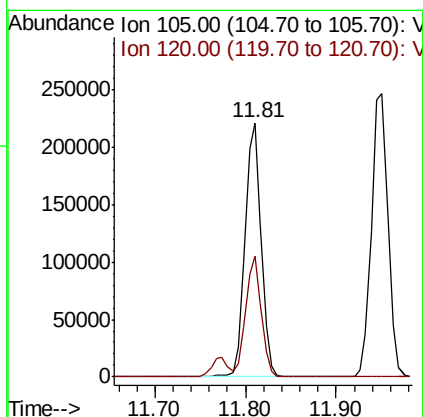
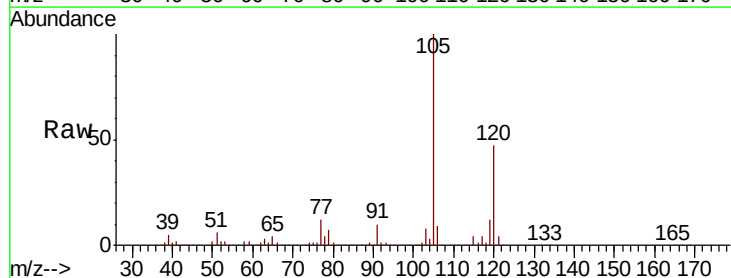
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

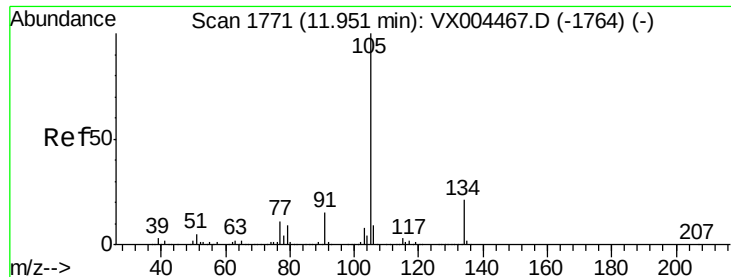
Tot Ion:119 Resp: 239757
 Ion Ratio Lower Upper
 119 100
 91 58.3 27.0 81.0
 134 23.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.33 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion:105 Resp: 272589
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.47 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

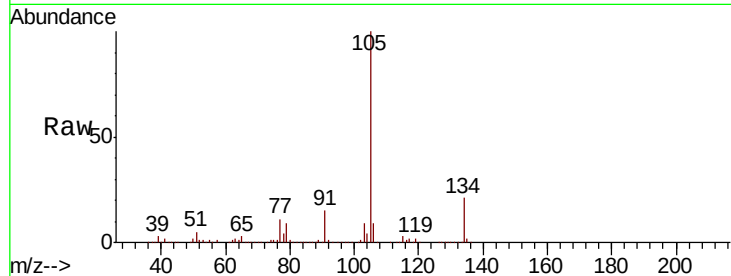
VX0912MBSD02

Tot Ion:105 Resp: 311421

Ion Ratio Lower Upper

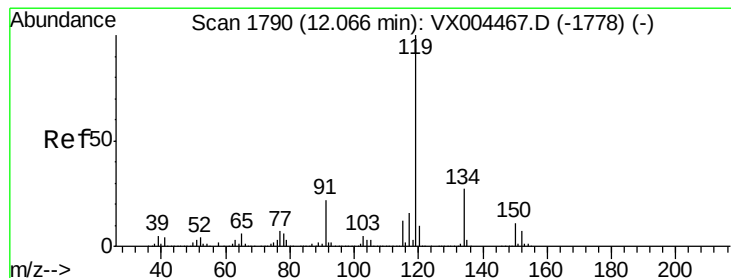
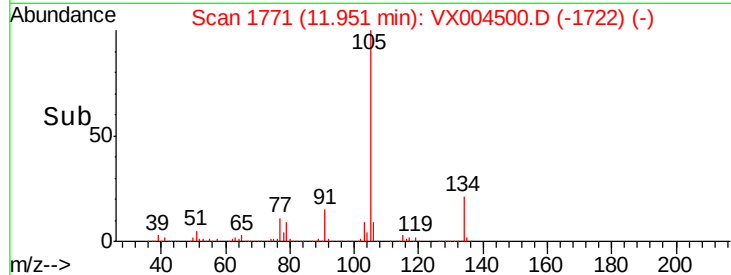
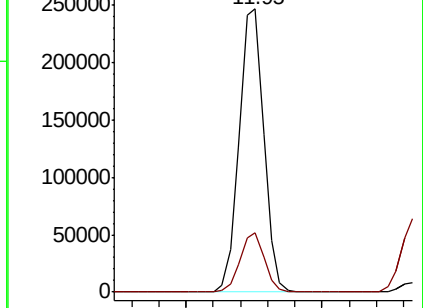
105 100

134 20.6 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: 21.70 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

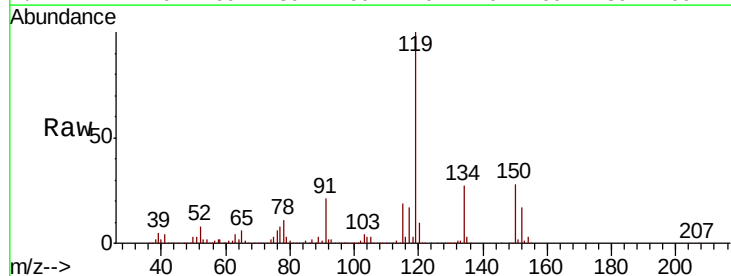
Tgt Ion:119 Resp: 277903

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

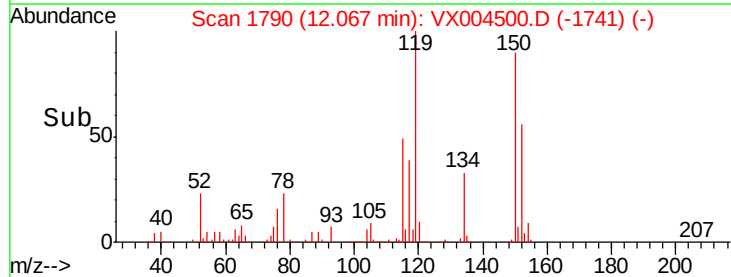
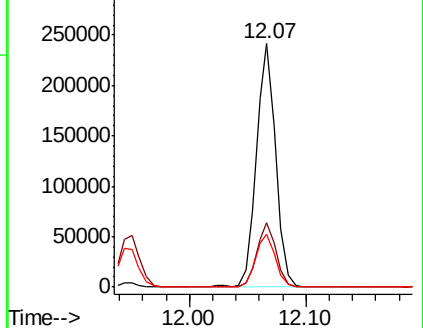
91 22.2 10.9 32.7

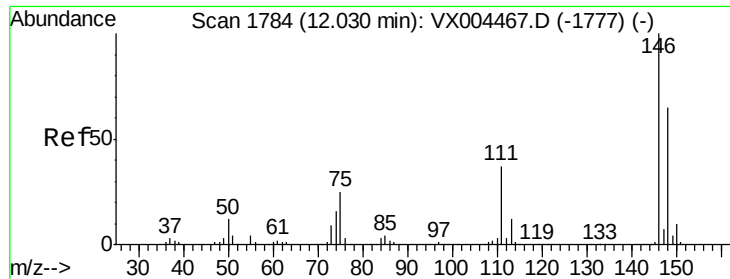


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.53 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

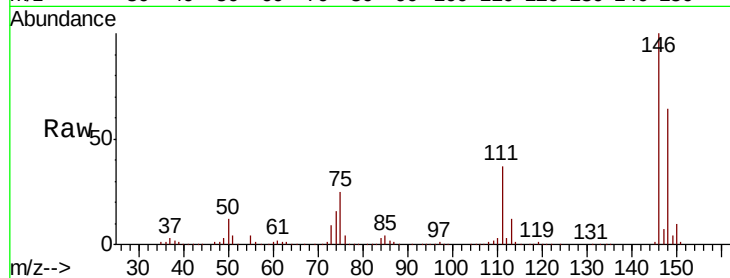
Tot Ion:146 Resp: 150571

Ion Ratio Lower Upper

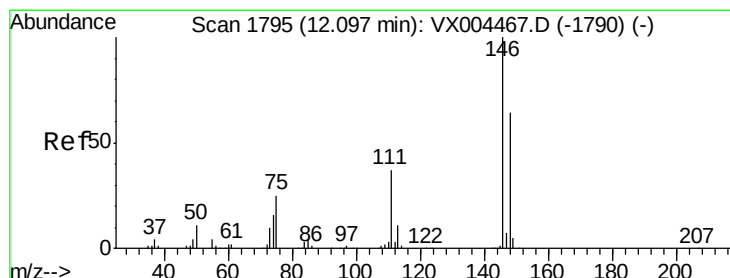
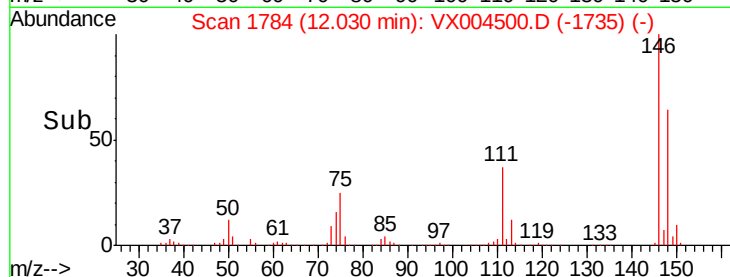
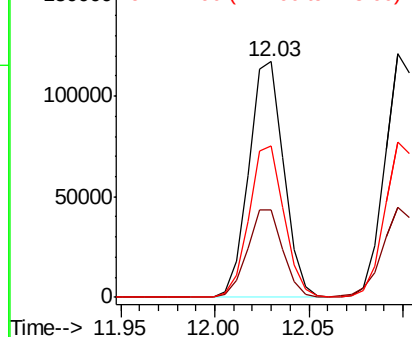
146 100

111 37.7 18.7 56.1

148 64.1 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 20.00 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

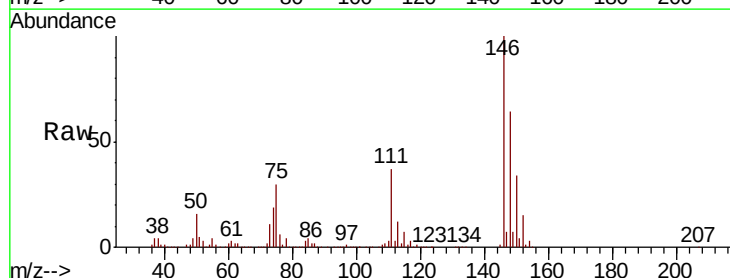
Tgt Ion:146 Resp: 151539

Ion Ratio Lower Upper

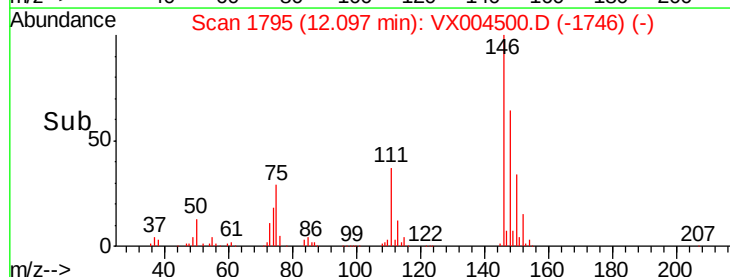
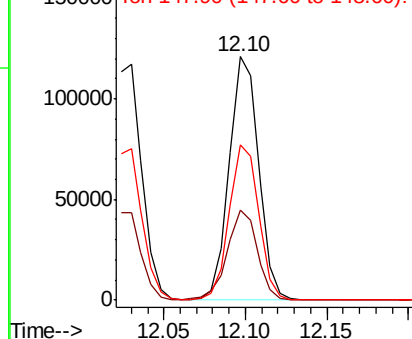
146 100

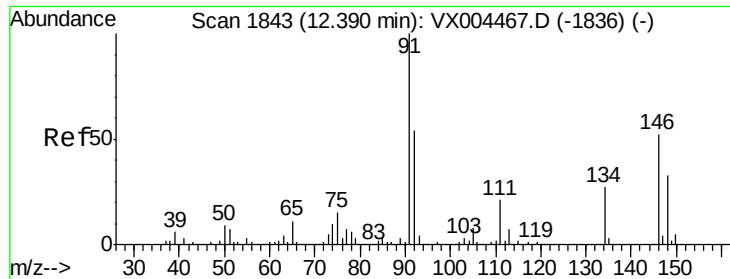
111 37.9 18.1 54.1

148 63.9 32.0 96.0



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





#89

n-Butylbenzene

Concen: 20.42 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampled :

VX0912MBSD02

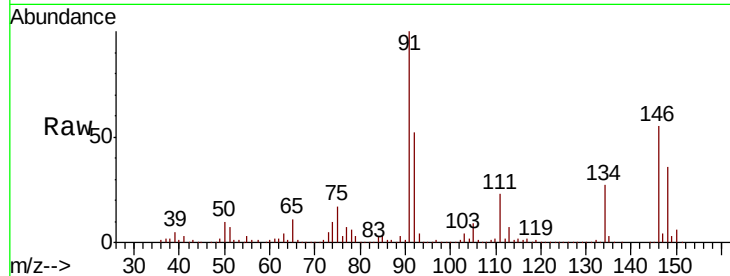
Tot Ion: 91 Resp: 238322

Ion Ratio Lower Upper

91 100

92 52.3 27.3 81.9

134 26.6 13.6 40.7

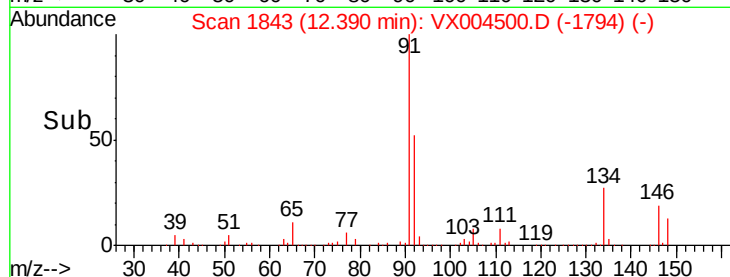


Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004467.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004467.D (-1836) (-)

Time-->

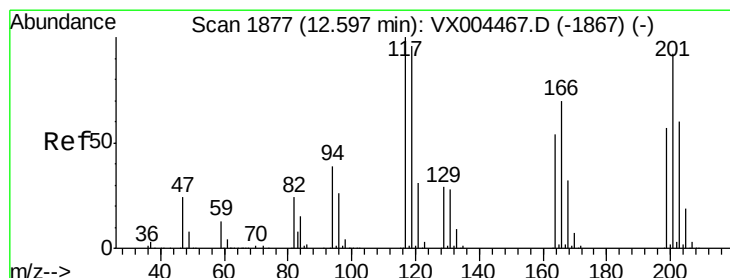


Abundance Ion 91.00 (90.70 to 91.70): VX004500.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX004500.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX004500.D (-1794) (-)

Time-->



#90

Hexachloroethane

Concen: 19.17 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004500.D

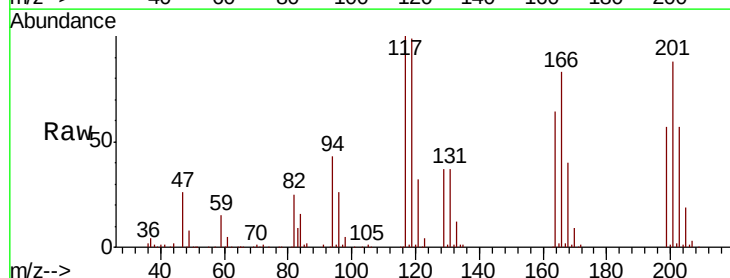
Acq: 12 Sep 2018 17:42

Tgt Ion: 117 Resp: 39300

Ion Ratio Lower Upper

117 100

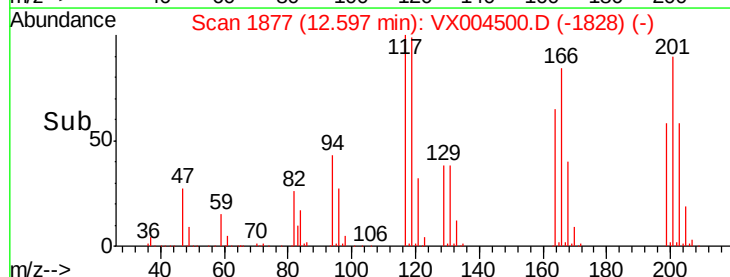
201 93.6 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX004467.D (-1867) (-)

Ion 200.70 (200.40 to 201.40): VX004467.D (-1867) (-)

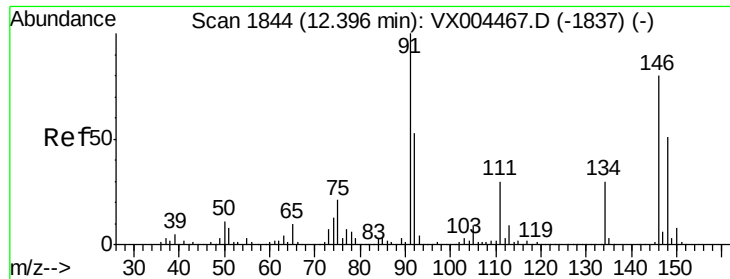
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX004500.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX004500.D (-1828) (-)

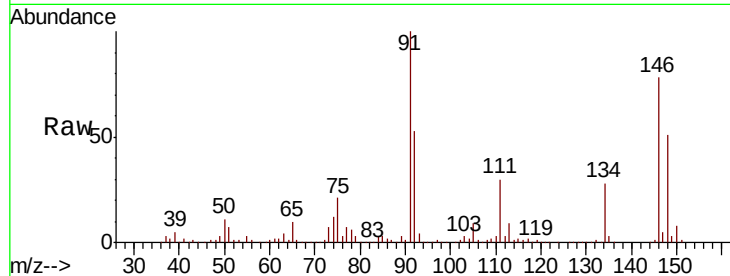
Time-->



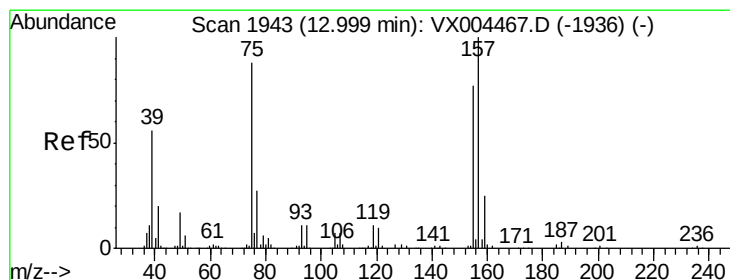
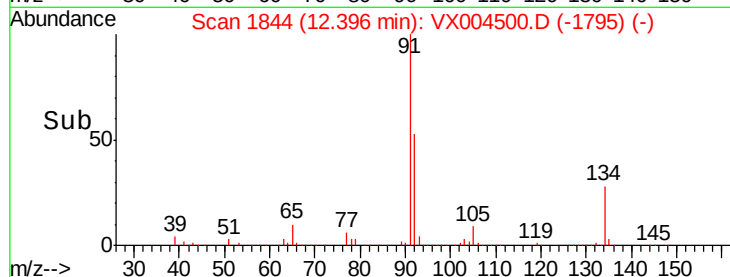
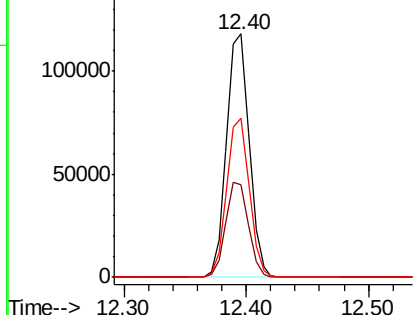
#91
 1,2-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion:146 Resp: 151072
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.1
 148 64.9 32.8 98.3

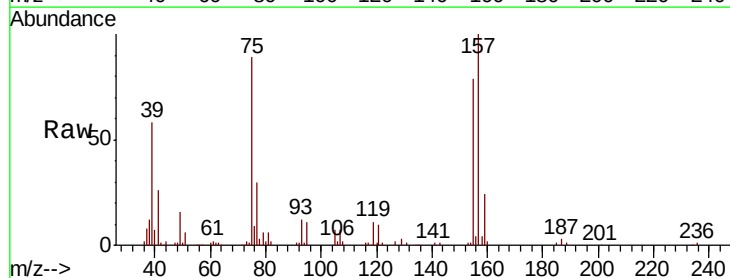


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

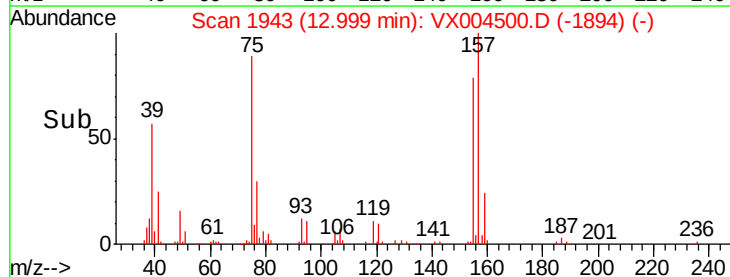
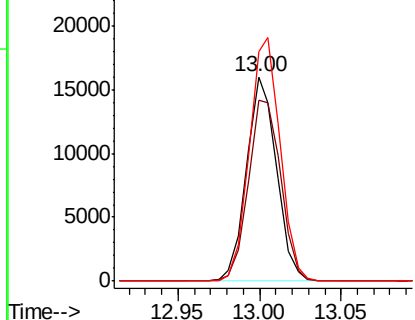


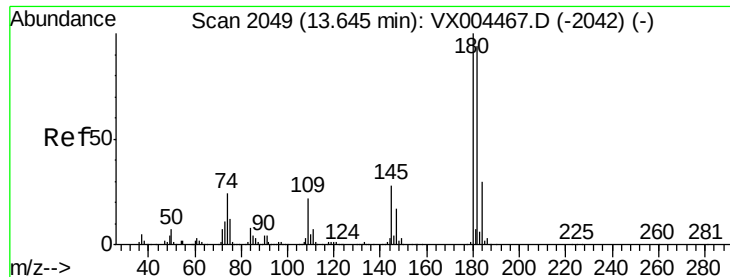
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.01 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 75 Resp: 20572
 Ion Ratio Lower Upper
 75 100
 155 95.4 48.0 144.2
 157 121.8 61.4 184.1



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

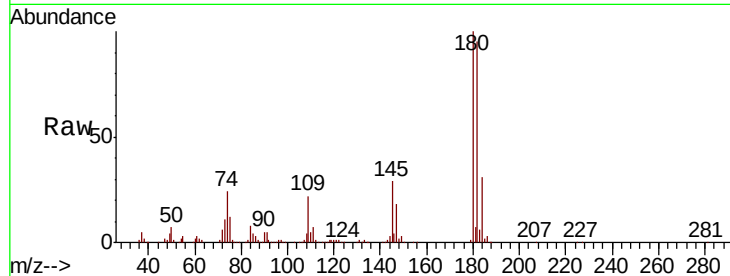




#93
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.0
145	28.2	14.3	42.9

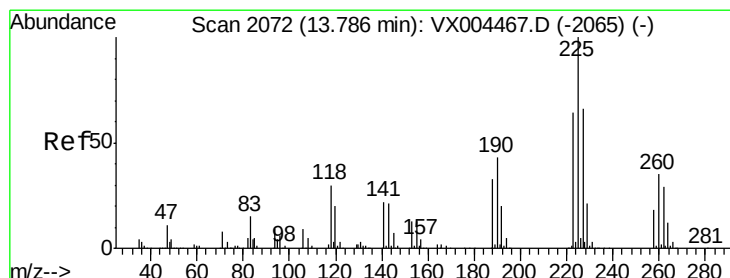
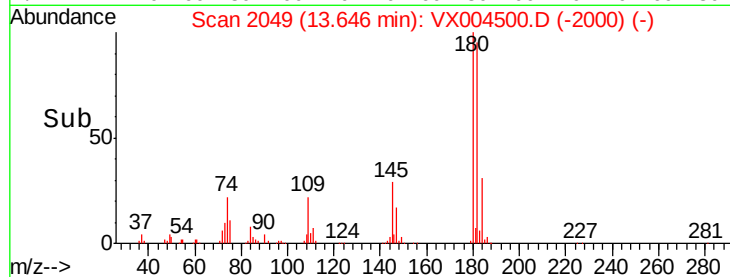
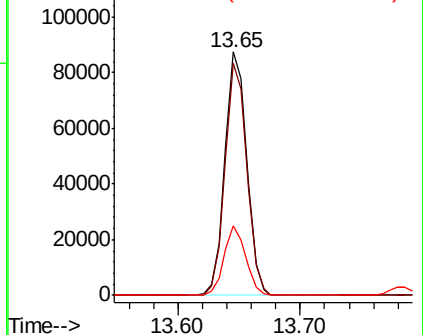


Abundance

Ion 179.80 (179.50 to 180.50): V

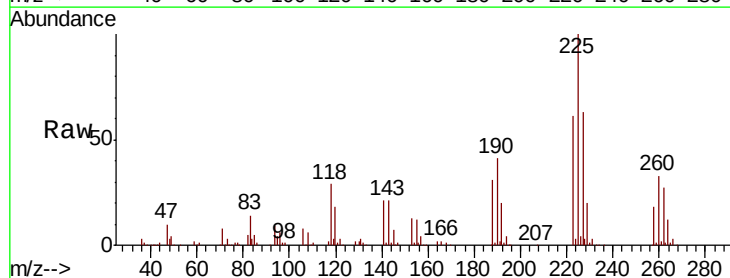
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.32 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.1	90.5
227	63.2	30.8	92.4

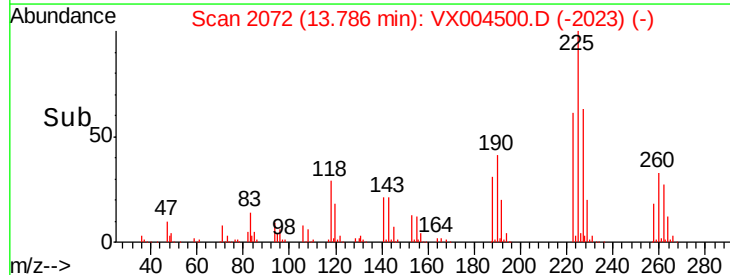
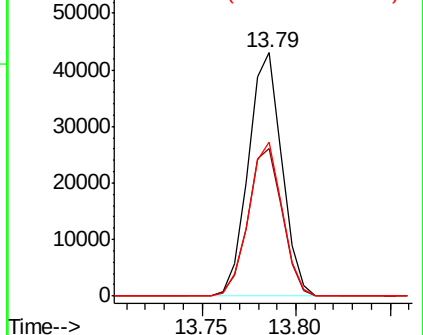


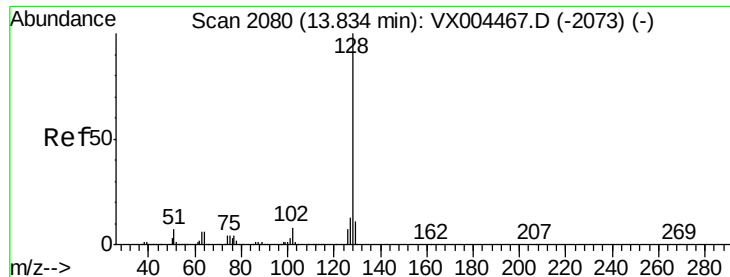
Abundance

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: 21.77 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

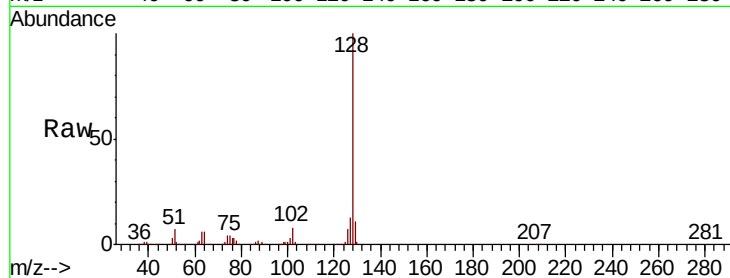
Tot Ion:128 Resp: 320949

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

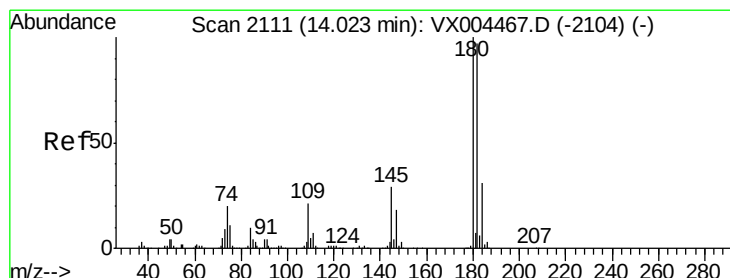
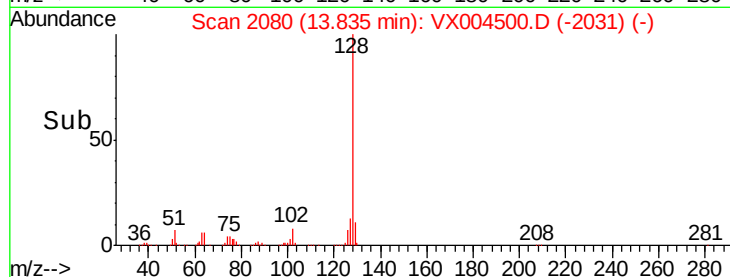
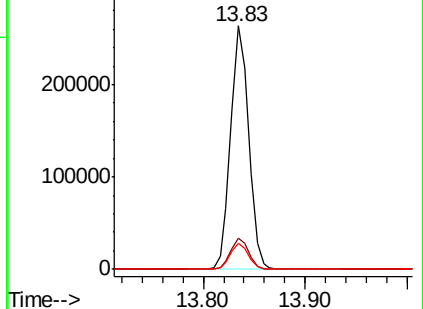
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.46 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

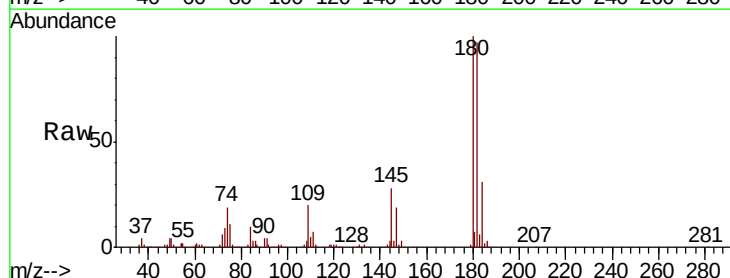
Tgt Ion:180 Resp: 110459

Ion Ratio Lower Upper

180 100

182 96.4 48.5 145.6

145 29.8 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

