

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003089.D
 Acq On : 30 Jun 2018 19:49
 Operator : JC/MD
 Sample : J3738-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

Quant Time: Jul 02 02:45:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379197	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	214819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	171902	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.51	113	140623	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.72	98	534502	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	198136	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	21	Below Cal	#	43
3) Chloromethane	1.30	50	10961	3.30	ug/l	43
4) Vinyl Chloride	1.40	62	1479	0.49	ug/l	1
5) Bromomethane	1.67	94	1509	Below Cal		97
6) Chloroethane	1.96	64	1002	Below Cal	#	79
10) Methyl Iodide	2.53	142	1421	6.64	ug/l	95
11) Tert butyl alcohol	3.07	59	2600	3.53	ug/l	73
13) Acrolein	2.26	56	346	5.06	ug/l	1
14) Allyl chloride	2.84	41	193081	37.08	ug/l	63
15) Acrylonitrile	3.17	53	10312	6.55	ug/l	41
16) Acetone	2.45	43	7186	4.69	ug/l	99
17) Carbon Disulfide	2.57	76	3878	0.55	ug/l	92
18) Methyl Acetate	2.84	43	470339	109.72	ug/l	55
20) Methylene Chloride	2.86	84	2032	0.68	ug/l	1
25) 2-Butanone	4.71	43	3337	1.47	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1981	0.61	ug/l	1
29) Tetrahydrofuran	5.23	42	2002	1.37	ug/l	1
31) Cyclohexane	5.58	56	39056	8.41	ug/l	98
36) 1,1-Dichloropropene	5.67	75	17606	4.23	ug/l	51
38) Carbon Tetrachloride	5.67	117	24029	5.27	ug/l	16
39) Methylcyclohexane	7.46	83	122634	25.32	ug/l	93
40) Benzene	6.15	78	16269	1.35	ug/l	92
41) Methacrylonitrile	5.24	41	8807	3.42	ug/l	55
43) Isopropyl Acetate	6.46	43	3294	0.44	ug/l	64
45) 1,2-Dichloropropane	7.46	63	1839	0.57	ug/l	1
48) Methyl methacrylate	7.74	41	8005	2.07	ug/l	42
49) 1,4-Dioxane	7.90	88	19	0.25	ug/l	22
51) 4-Methyl-2-Pentanone	8.67	43	16736	3.56	ug/l	59
52) Toluene	8.79	92	2031	0.26	ug/l	91
55) 1,1,2-Trichloroethane	9.17	97	93542	29.41	ug/l	18
56) Ethyl methacrylate	9.16	69	20709	4.46	ug/l	2
59) 2-Hexanone	9.52	43	1687	0.47	ug/l	85
67) Ethyl Benzene	10.26	91	7652993	510.09	ug/l	95
68) m/p-Xylenes	10.37	106	2345166	405.58	ug/l	96

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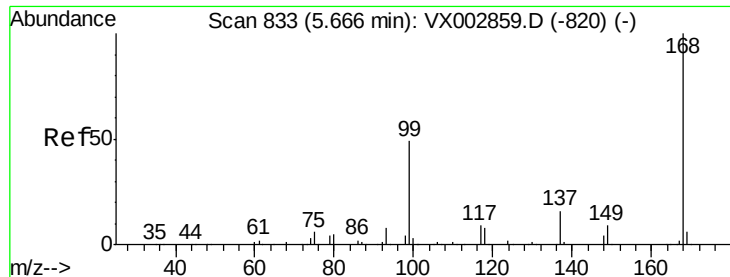
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

Quant Time: Jul 02 02:45:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	10.70	106	3153	0.56	ug/l	89
70) Styrene	10.72	104	4926	0.54	ug/l	93
73) Isopropylbenzene	11.02	105	1580299	109.35	ug/l	100
74) N-amyl acetate	6.46	43	3294	0.47	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.28	83	3855	0.87	ug/l #	56
76) 1,2,3-Trichloropropane	11.36	75	9582	2.46	ug/l #	1
78) n-propylbenzene	11.37	91	1520383	92.43	ug/l	99
79) 2-Chlorotoluene	11.46	91	133212	13.38	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.46	105	1209483	99.37	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.02	75	18849	16.47	ug/l #	68
82) 4-Chlorotoluene	11.46	91	133212	11.30	ug/l #	44
83) tert-Butylbenzene	11.77	119	19992	1.67	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	1711779	135.74	ug/l	97
85) sec-Butylbenzene	11.95	105	227062	15.60	ug/l	85
86) p-Isopropyltoluene	12.07	119	125533	9.59	ug/l	99
89) n-Butylbenzene	12.37	91	28097	2.47	ug/l #	1
90) Hexachloroethane	12.59	117	25268	12.98	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	2103	0.28	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1575	1.57	ug/l #	1
95) Naphthalene	13.84	128	1752960	119.21	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

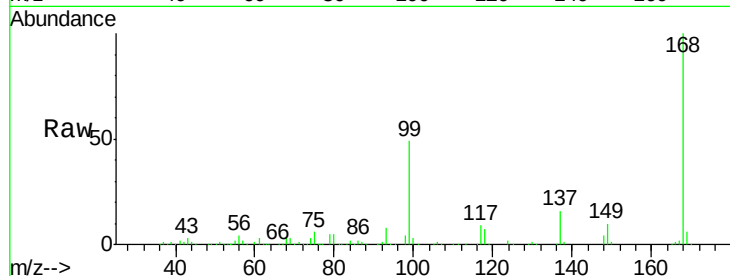
S22-0041

Tot Ion:168 Resp: 267860

Ion Ratio Lower Upper

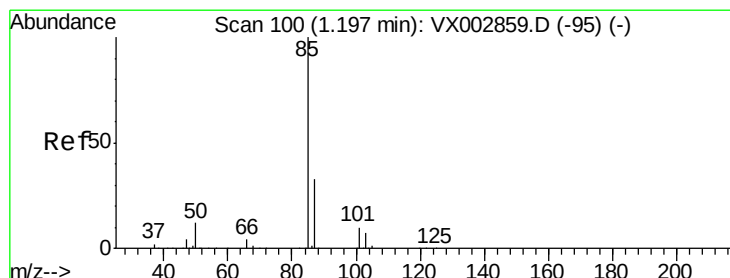
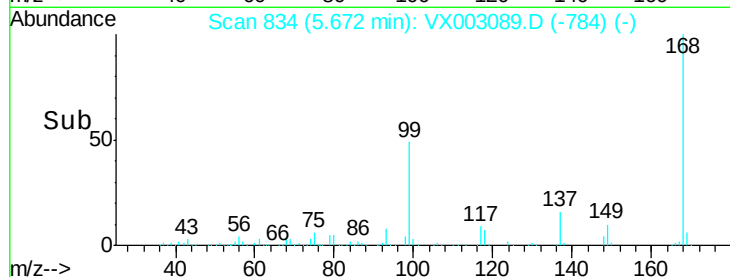
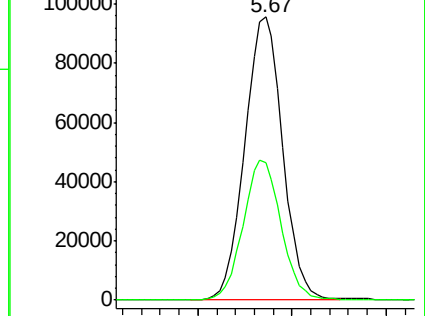
168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 127

Delta R.T. 0.17 min

Lab File: VX003089.D

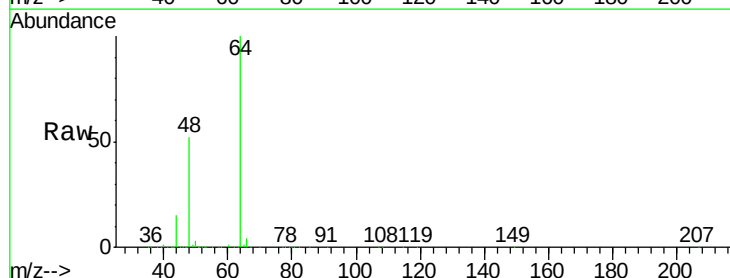
Acq: 30 Jun 2018 19:49

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

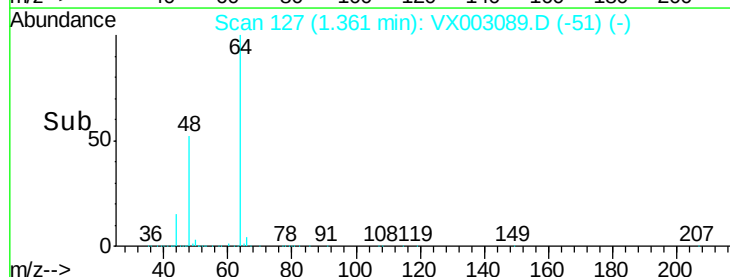
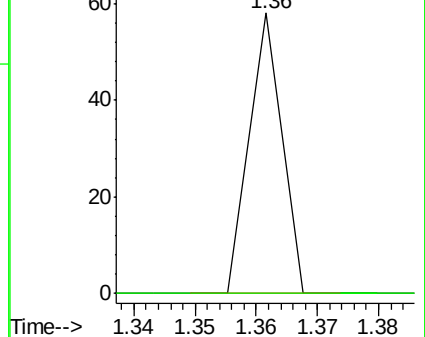
85 100

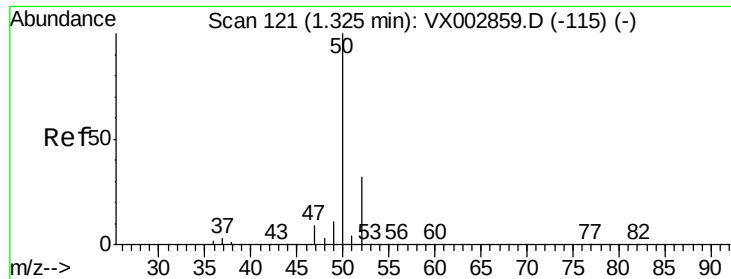
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 3.30 ug/l

RT: 1.30 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

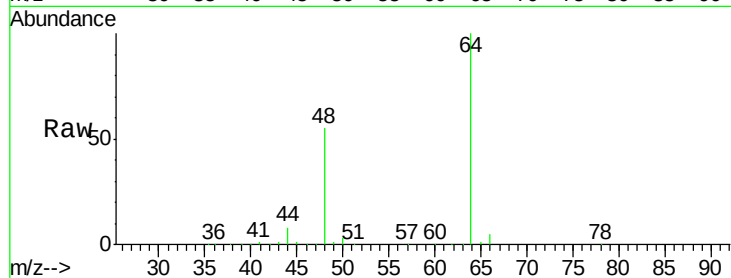
S22-0041

Tot Ion: 50 Resp: 10961

Ion Ratio Lower Upper

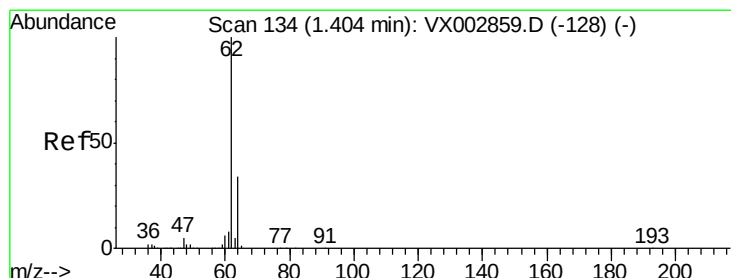
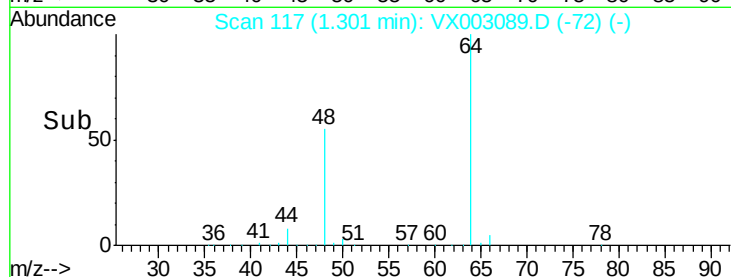
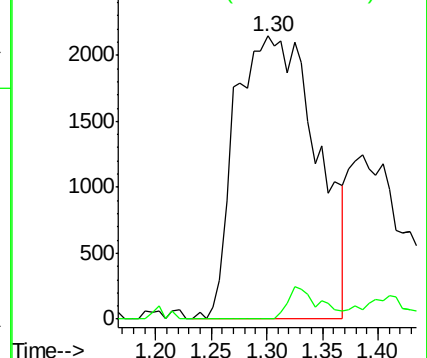
50 100

52 0.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003089.D

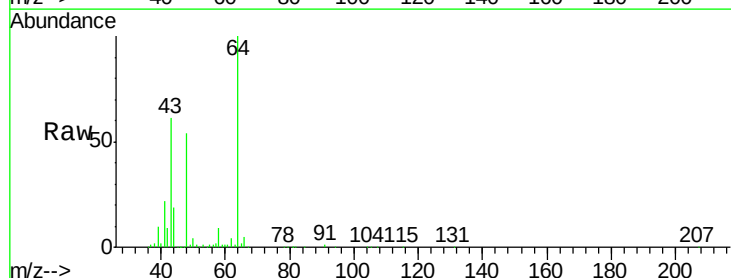
Acq: 30 Jun 2018 19:49

Tgt Ion: 62 Resp: 1479

Ion Ratio Lower Upper

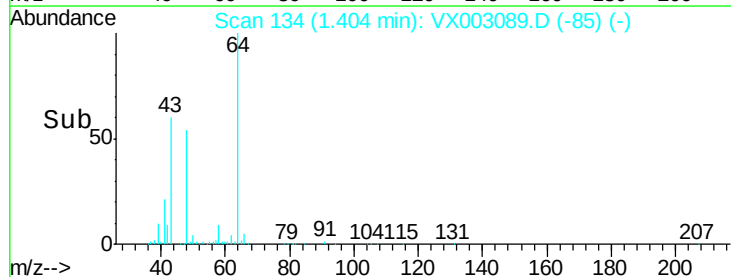
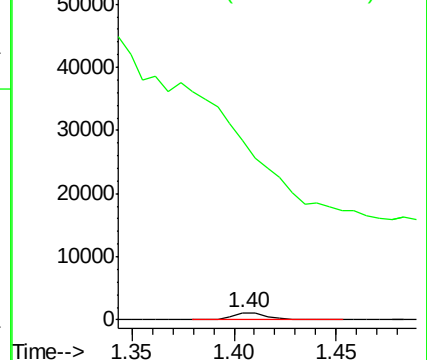
62 100

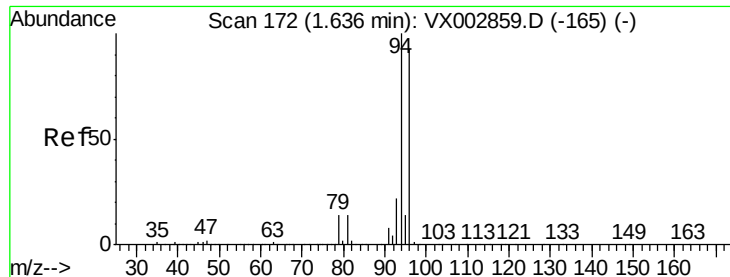
64 936.6 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

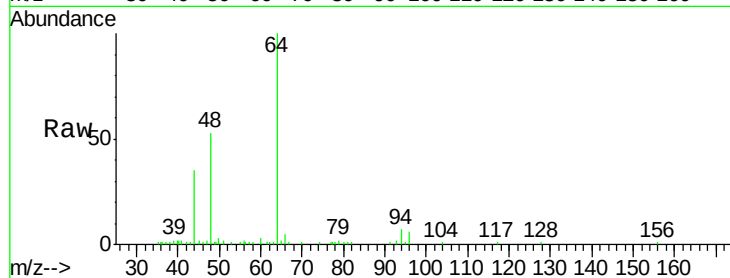
S22-0041

Tot Ion: 94 Resp: 1509

Ion Ratio Lower Upper

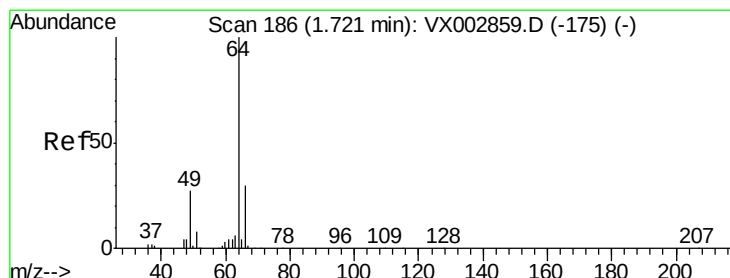
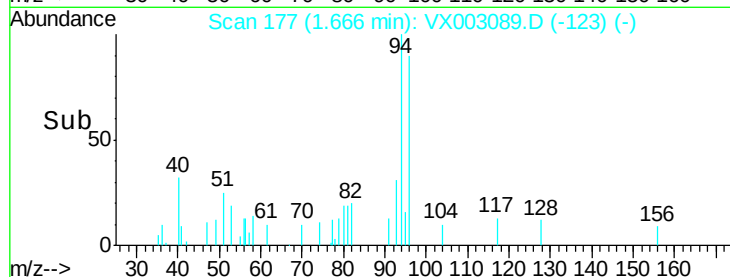
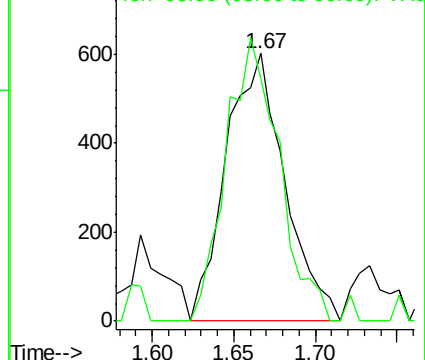
94 100

96 90.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.96 min Scan# 225

Delta R.T. 0.24 min

Lab File: VX003089.D

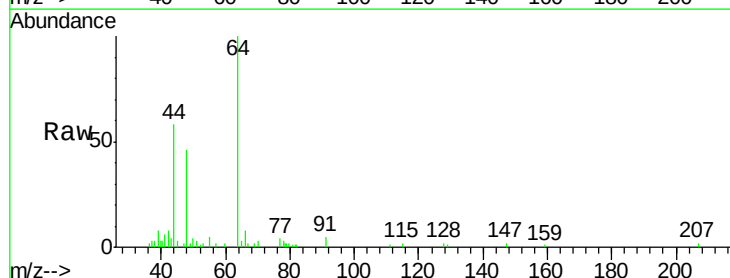
Acq: 30 Jun 2018 19:49

Tgt Ion: 64 Resp: 1002

Ion Ratio Lower Upper

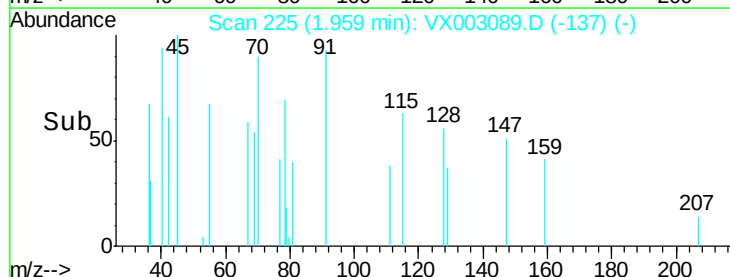
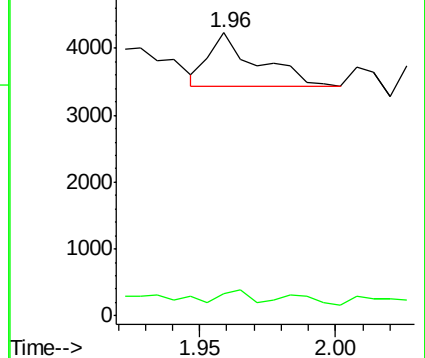
64 100

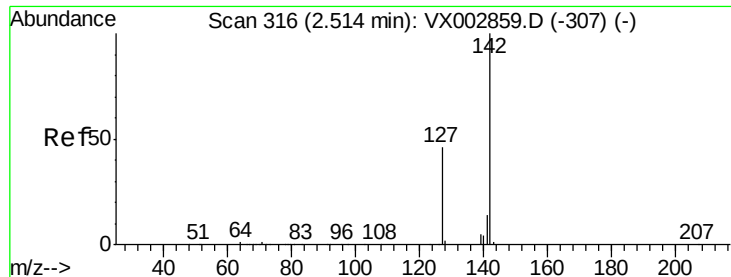
66 20.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

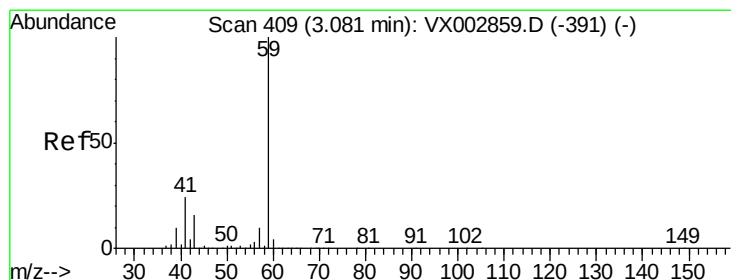
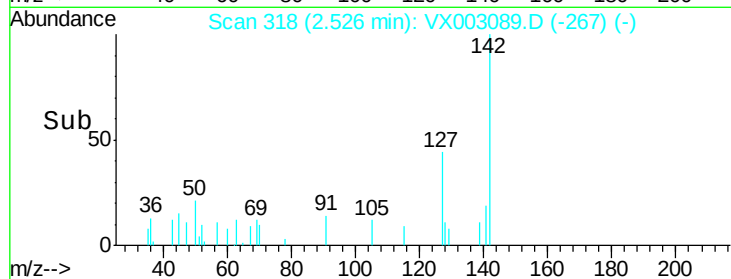
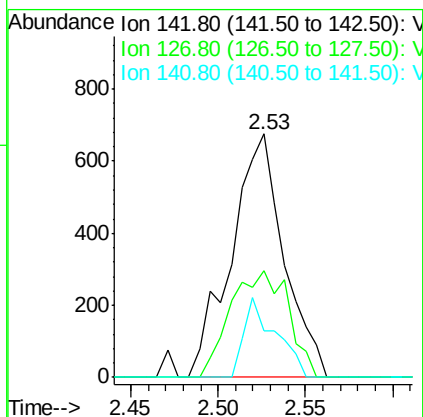
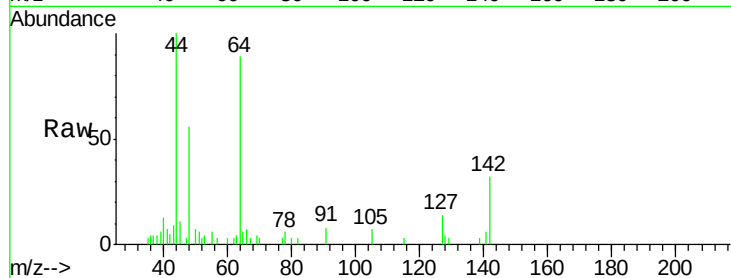




#10
Methyl Iodide
Concen: 6.64 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

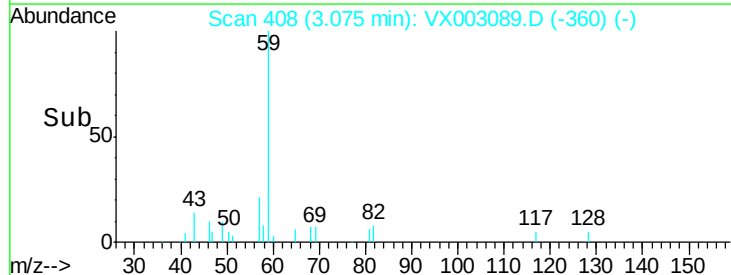
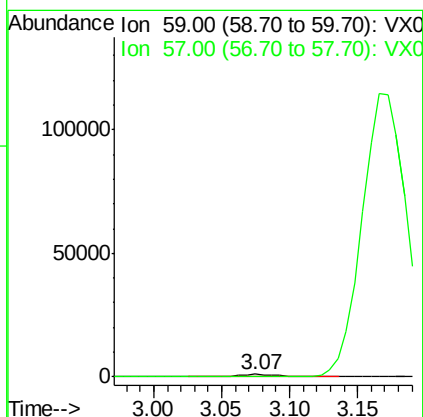
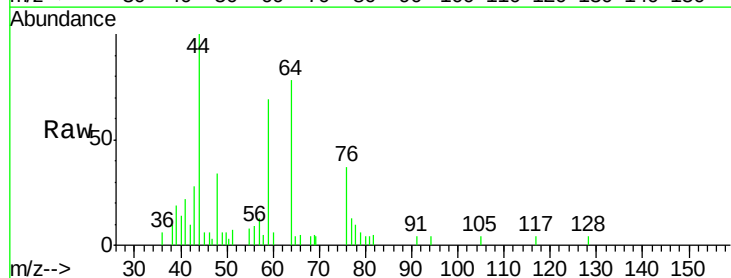
Instrument :
MSVOA_X
ClientSampled :
S22-0041

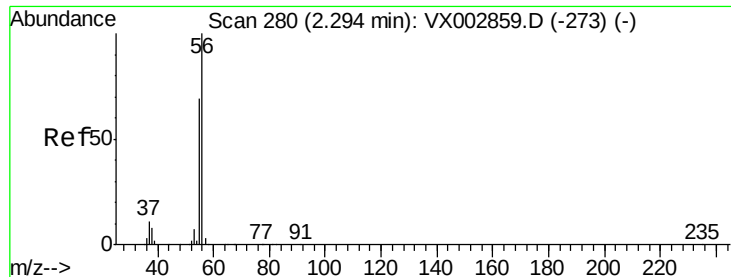
Tot Ion:142 Resp: 1421
Ion Ratio Lower Upper
142 100
127 47.9 36.6 55.0
141 19.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.53 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion: 59 Resp: 2600
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 5.06 ug/l

RT: 2.26 min Scan# 275

Delta R.T. -0.03 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

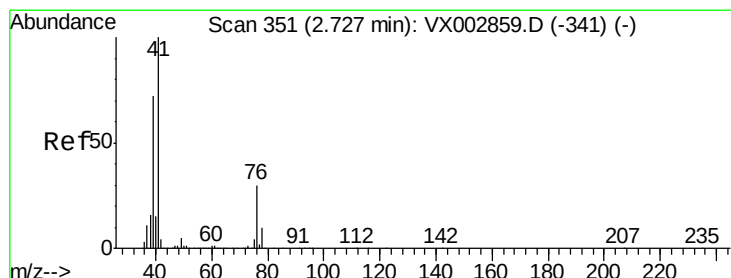
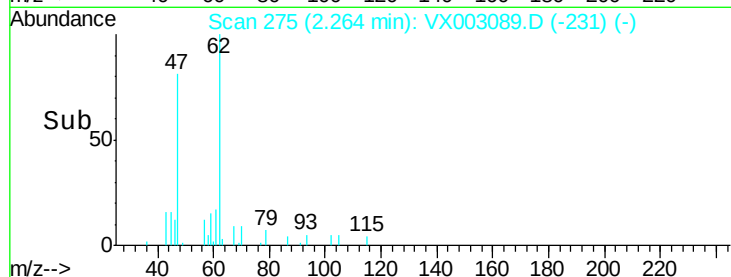
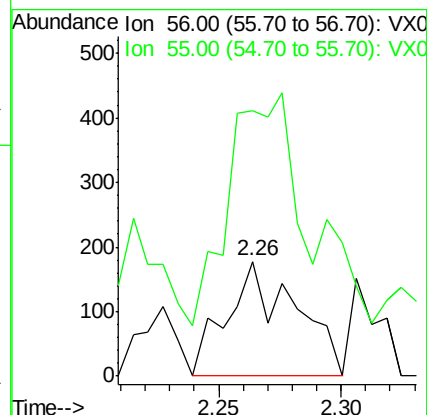
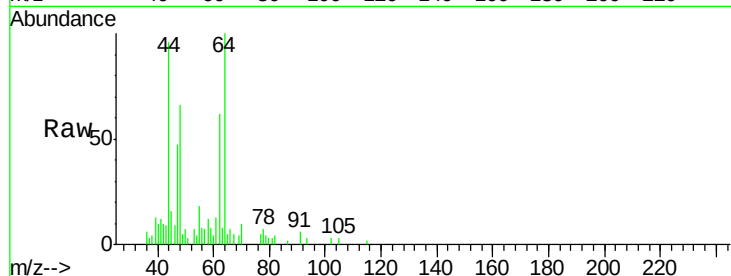
S22-0041

Tot Ion: 56 Resp: 346

Ion Ratio Lower Upper

56 100

55 192.2 57.0 85.4#



#14

Allyl chloride

Concen: 37.08 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

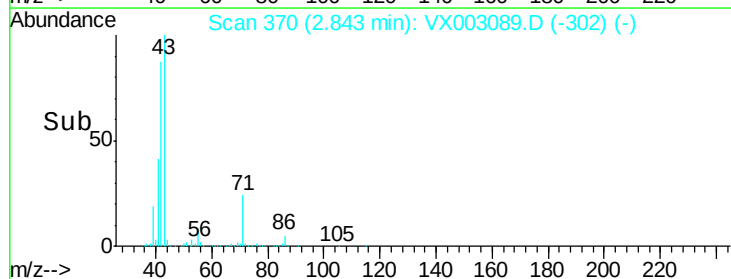
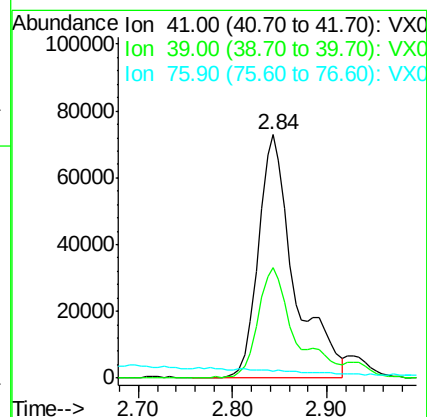
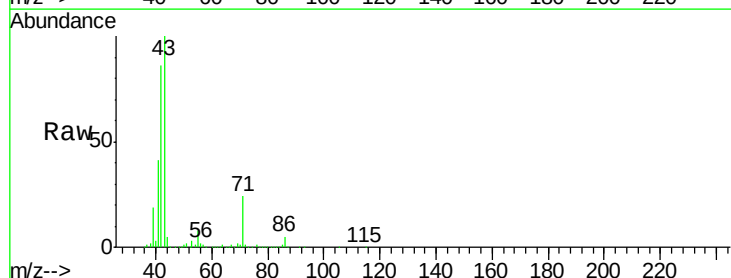
Tgt Ion: 41 Resp: 193081

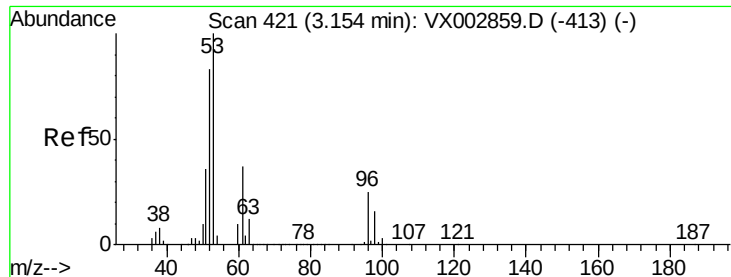
Ion Ratio Lower Upper

41 100

39 46.9 56.8 85.2#

76 0.0 23.8 35.8#





#15

Acrylonitrile

Concen: 6.55 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

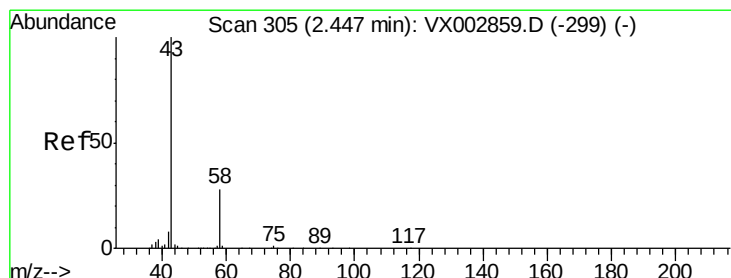
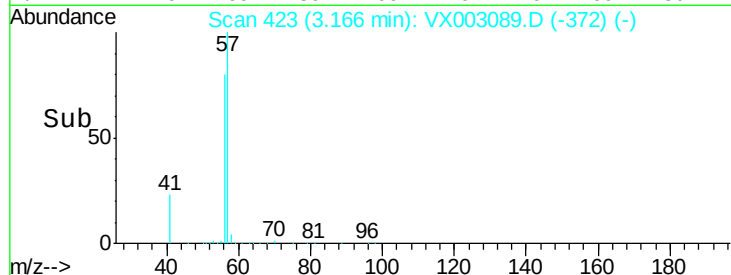
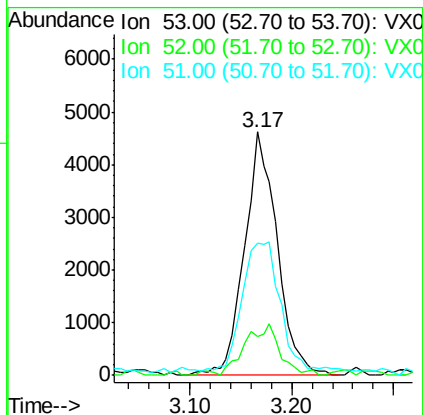
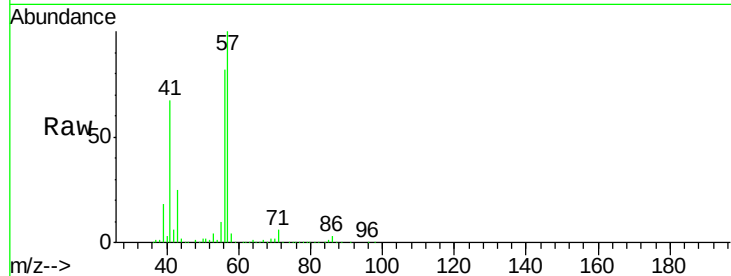
Tot Ion: 53 Resp: 10312

Ion Ratio Lower Upper

53 100

52 22.5 66.7 100.1#

51 60.9 29.9 44.9#



#16

Acetone

Concen: 4.69 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003089.D

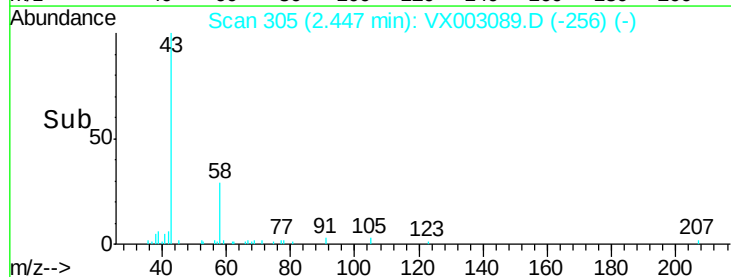
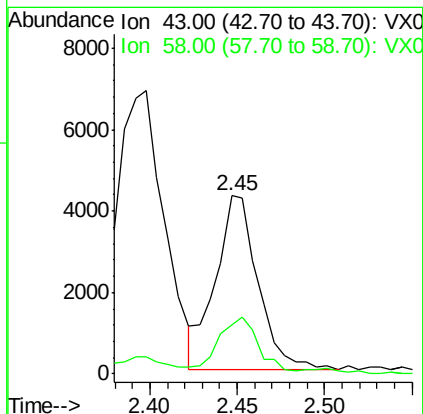
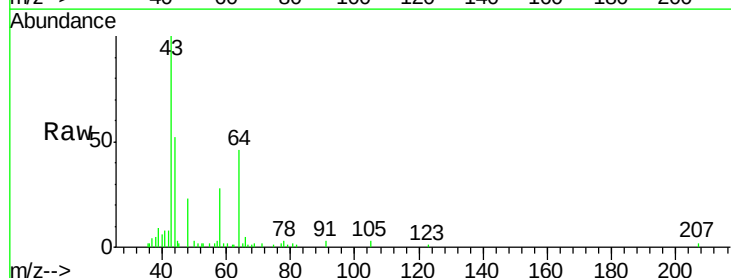
Acq: 30 Jun 2018 19:49

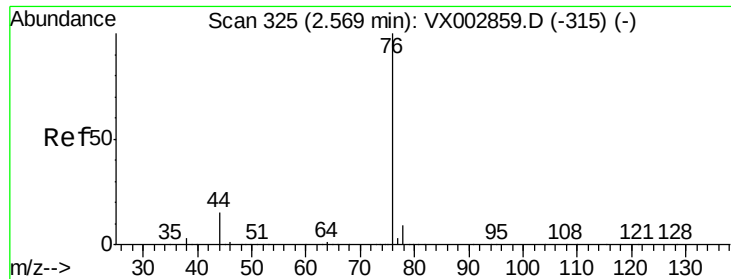
Tgt Ion: 43 Resp: 7186

Ion Ratio Lower Upper

43 100

58 27.1 22.1 33.1





#17

Carbon Disulfide

Concen: 0.55 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

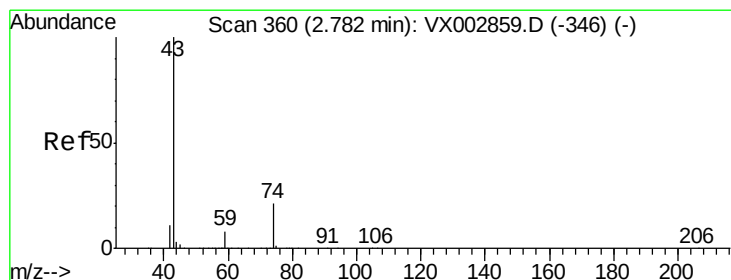
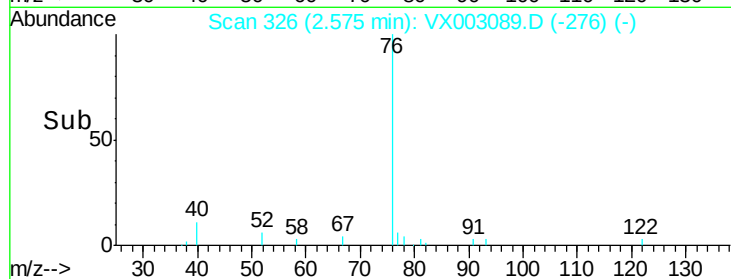
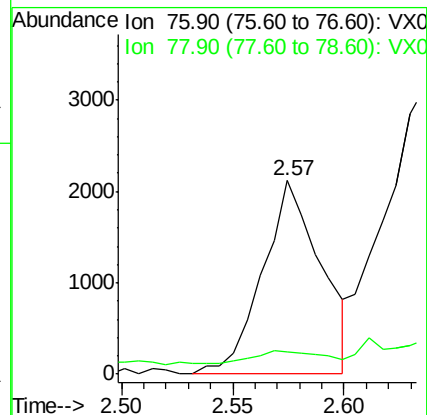
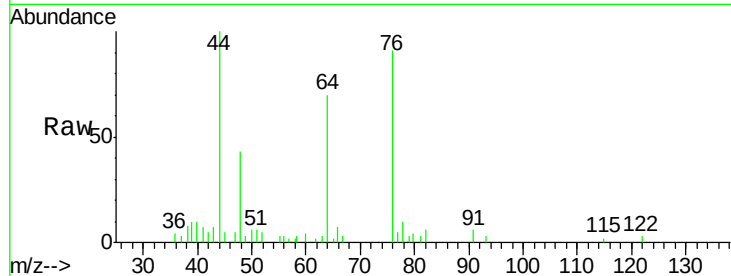
S22-0041

Tot Ion: 76 Resp: 3878

Ion Ratio Lower Upper

76 100

78 5.9 6.9 10.3#



#18

Methyl Acetate

Concen: 109.72 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX003089.D

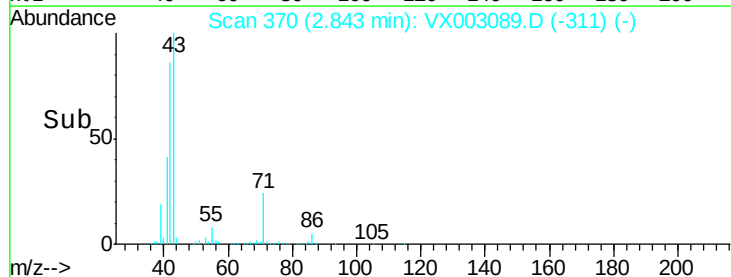
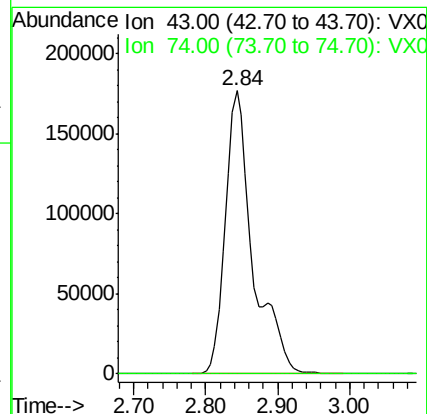
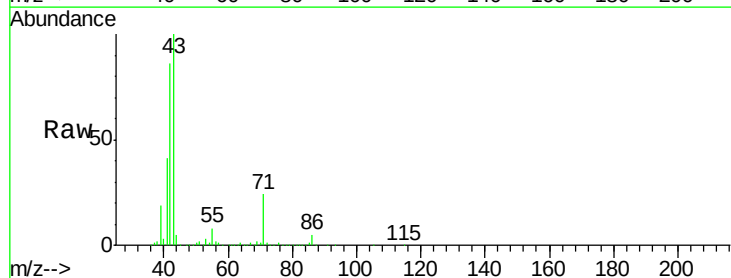
Acq: 30 Jun 2018 19:49

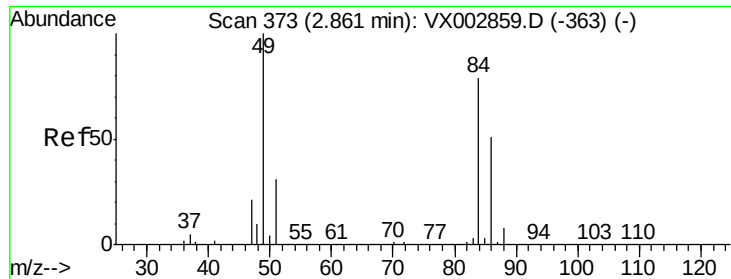
Tgt Ion: 43 Resp: 470339

Ion Ratio Lower Upper

43 100

74 0.1 16.7 25.1#

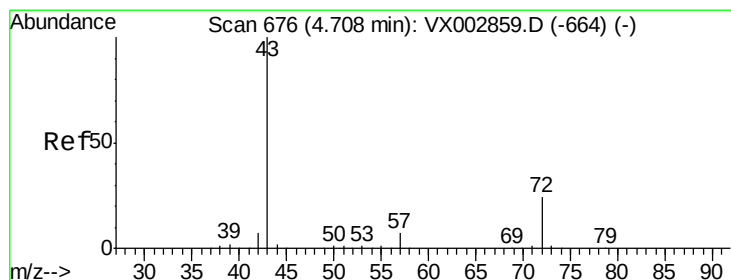
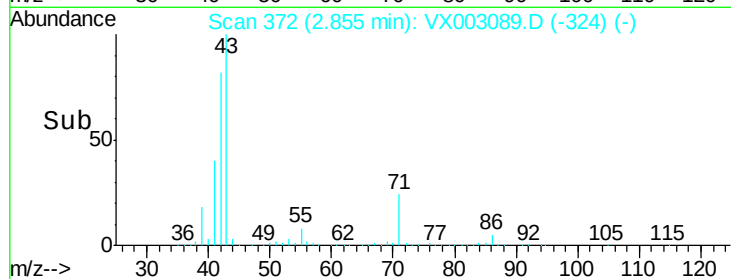
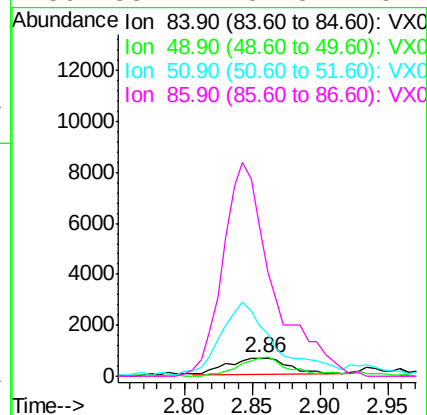
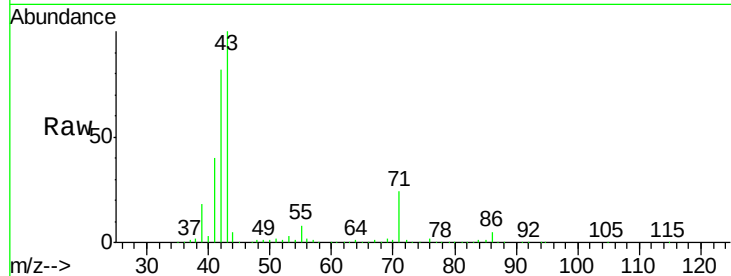




#20
Methylene Chloride
Concen: 0.68 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

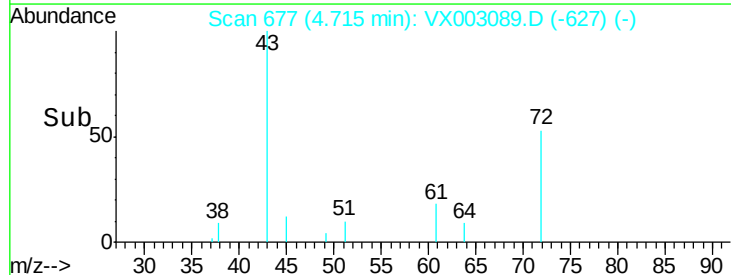
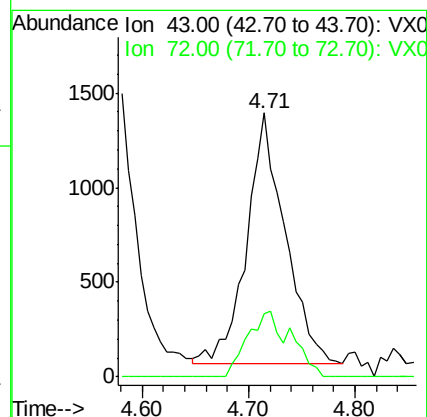
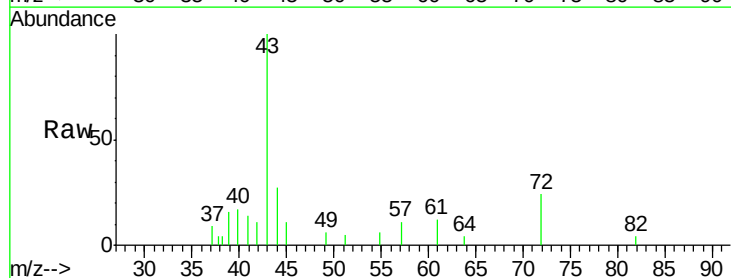
Instrument :
MSVOA_X
ClientSampleId :
S22-0041

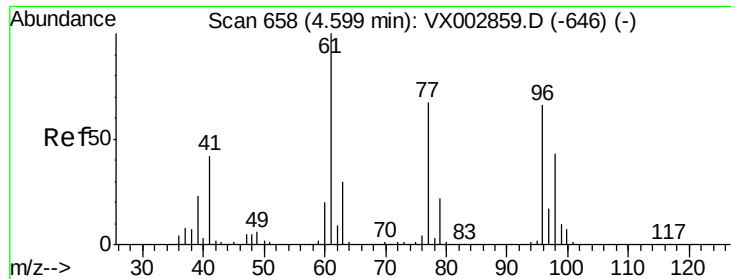
Tot Ion	Ratio	Lower	Upper
84	100		
49	109.0	107.8	161.6
51	286.0	32.8	49.2#
86	884.4	52.5	78.7#



#25
2-Butanone
Concen: 1.47 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.5	18.5	27.7





#27

cis-1,2-Dichloroethene

Concen: 0.61 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

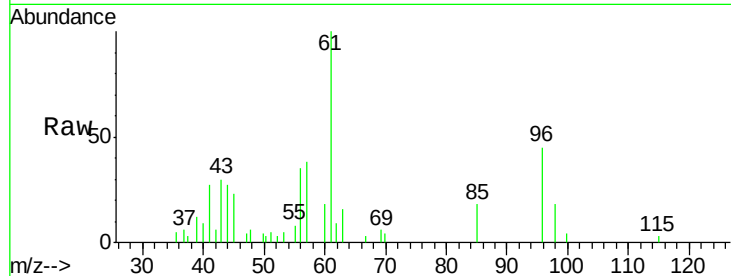
Tot Ion: 96 Resp: 1981

Ion Ratio Lower Upper

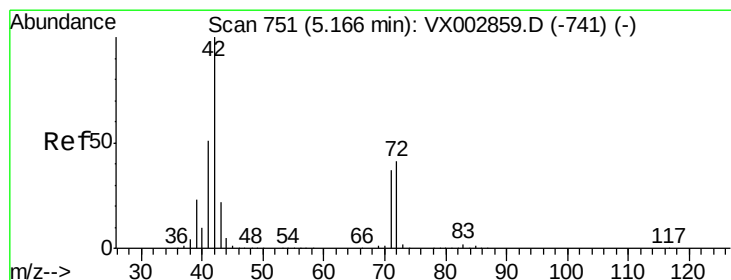
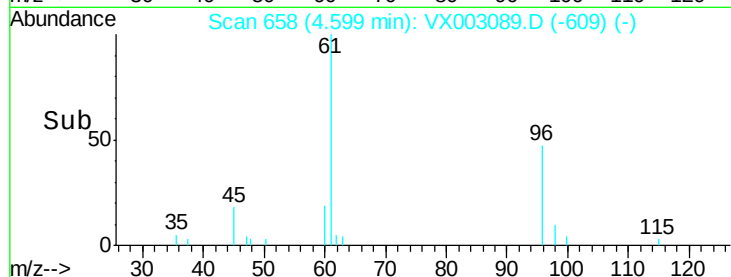
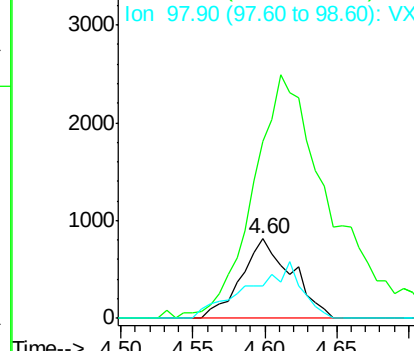
96 100

61 477.9 0.0 330.2#

98 73.8 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



#29

Tetrahydrofuran

Concen: 1.37 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.07 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

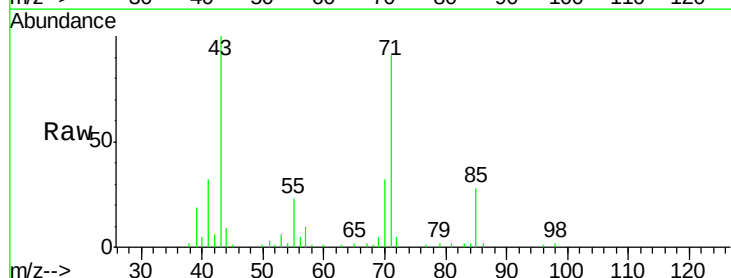
Tgt Ion: 42 Resp: 2002

Ion Ratio Lower Upper

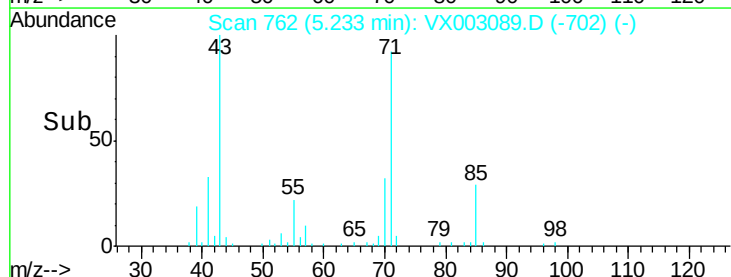
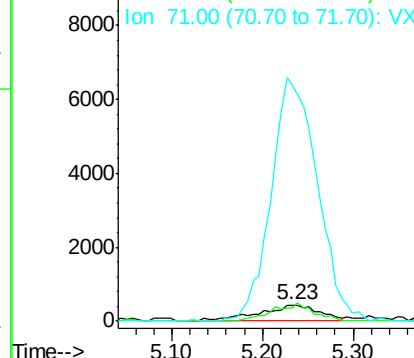
42 100

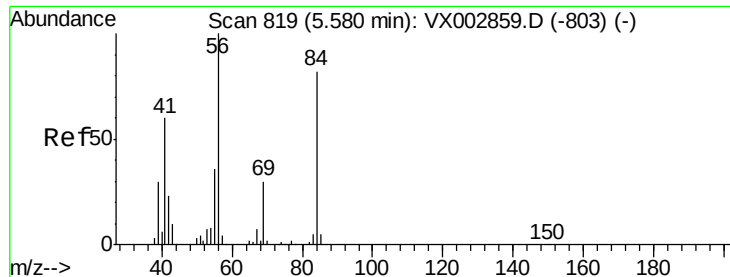
72 74.3 32.0 48.0#

71 1163.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

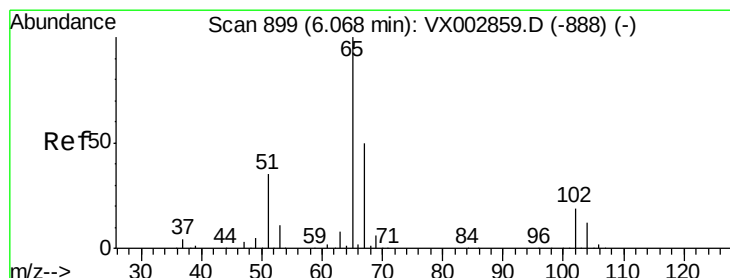
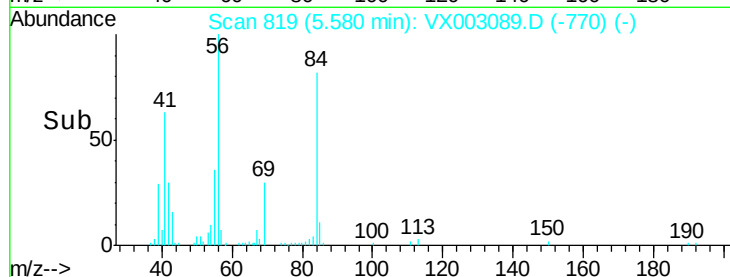
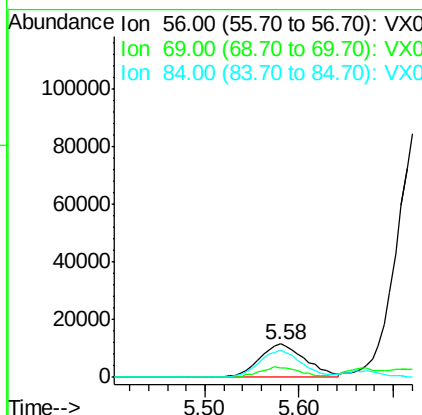
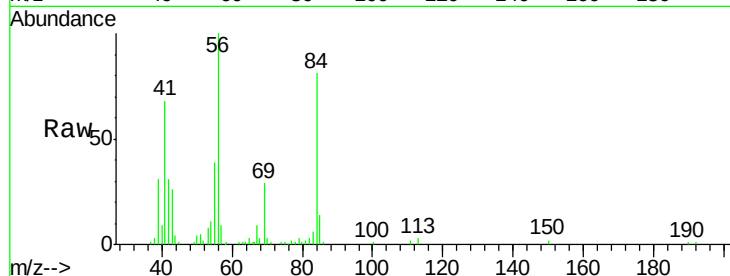




#31
Cyclohexane
Concen: 8.41 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

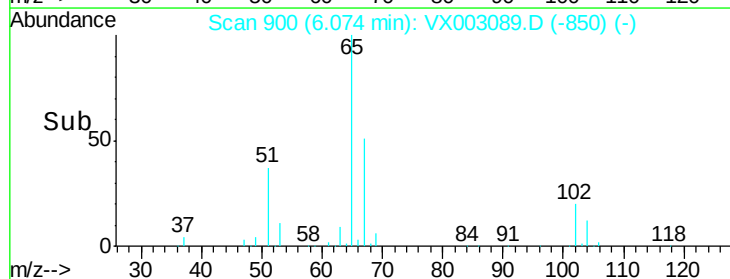
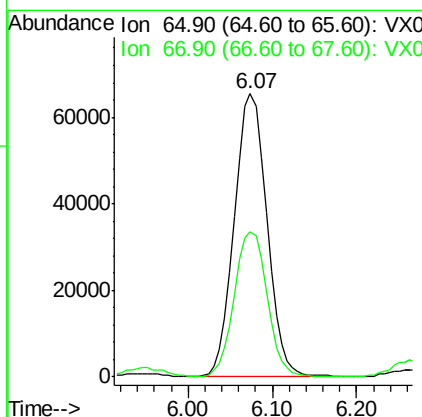
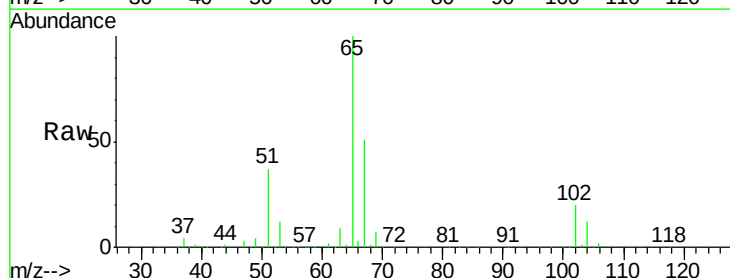
Instrument :
MSVOA_X
ClientSampled :
S22-0041

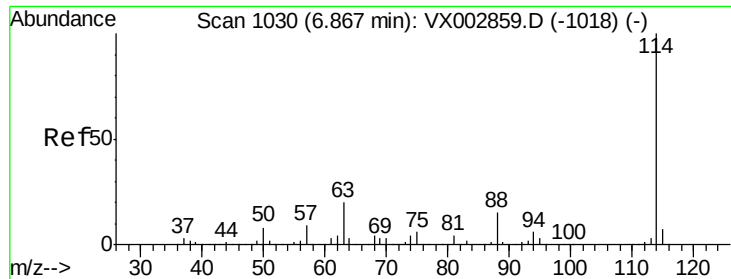
Tot Ion: 56 Resp: 39056
Ion Ratio Lower Upper
56 100
69 27.5 23.7 35.5
84 81.8 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 46.43 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion: 65 Resp: 171902
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

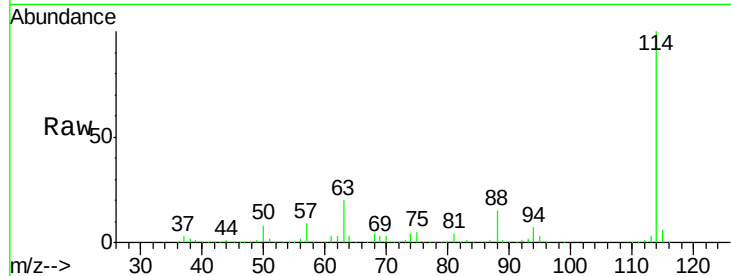
Tot Ion:114 Resp: 379197

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

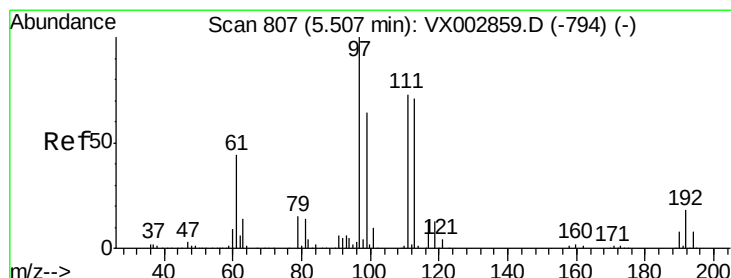
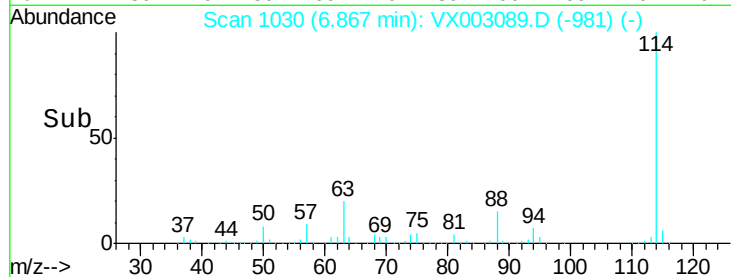
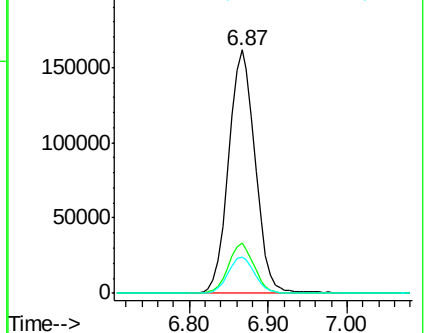
88 15.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.83 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

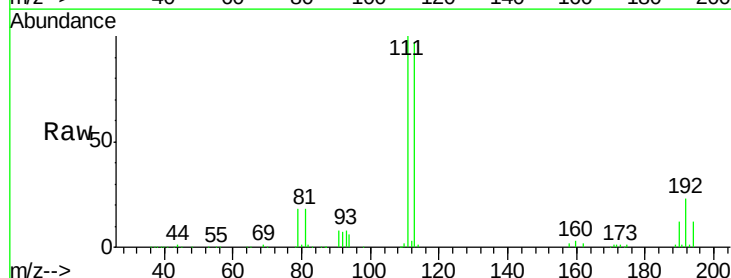
Tgt Ion:113 Resp: 140623

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

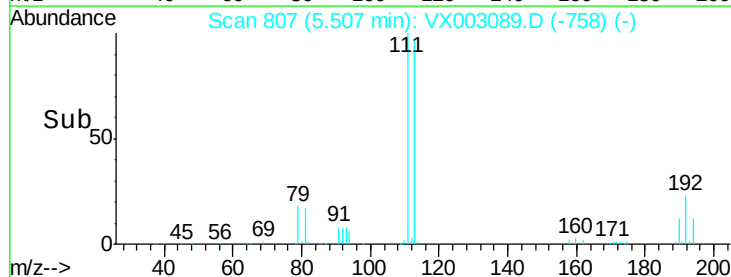
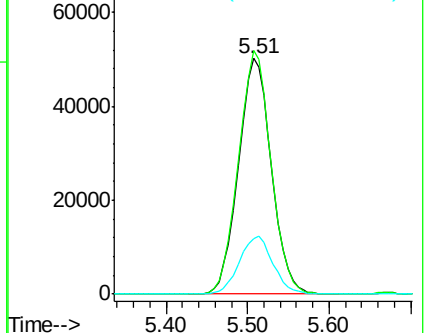
192 24.8 19.1 28.7

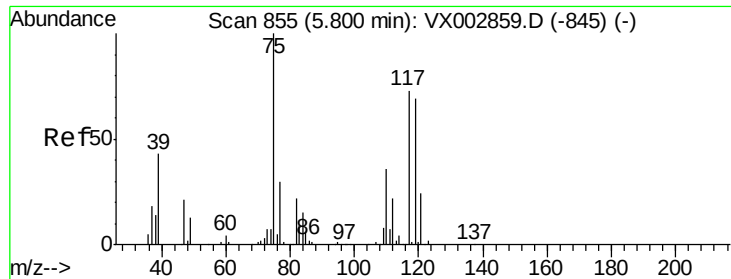


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

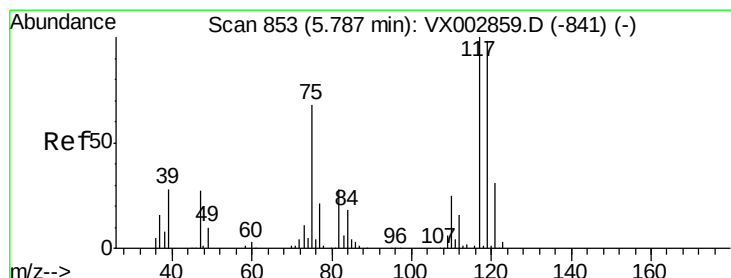
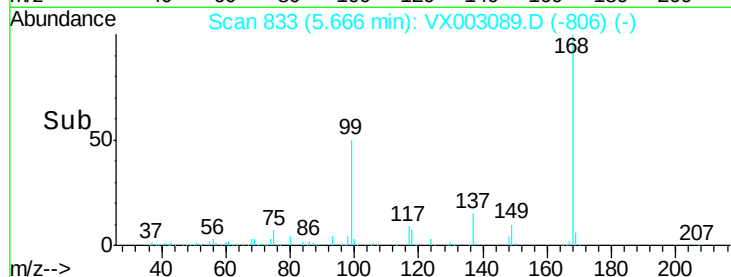
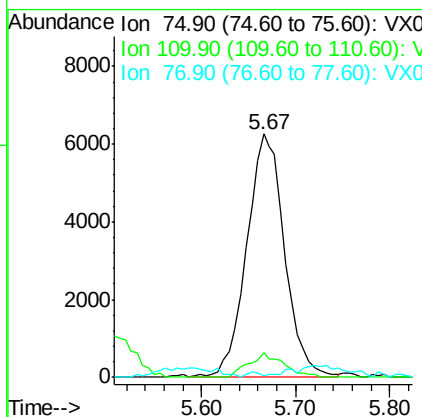
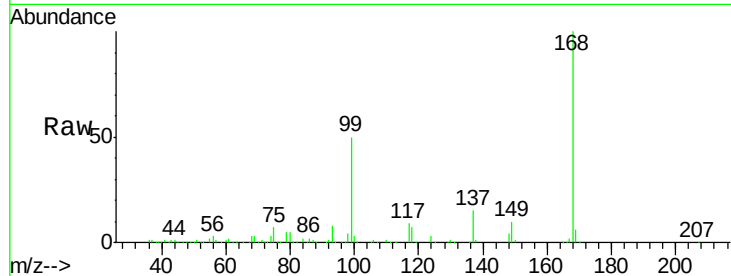




#36
 1,1-Dichloropropene
 Concen: 4.23 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

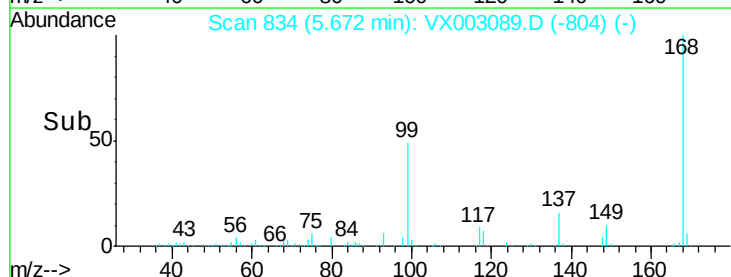
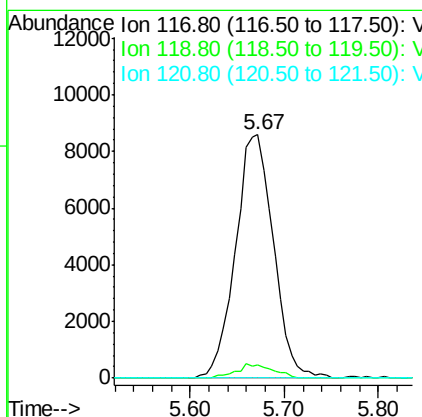
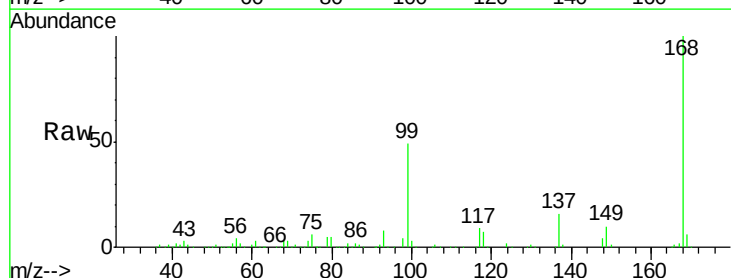
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

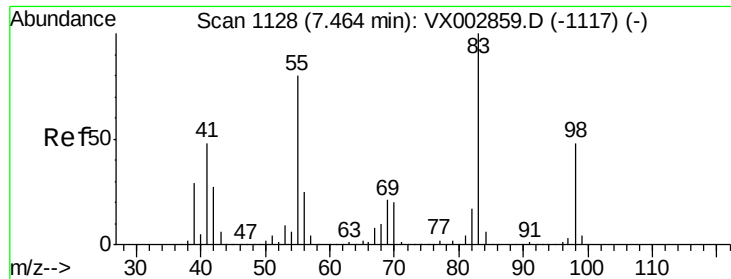
Tot Ion: 75 Resp: 17606
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.4#
 77 1.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.27 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

Tgt Ion: 117 Resp: 24029
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.4 116.0#
 121 0.0 24.4 36.6#

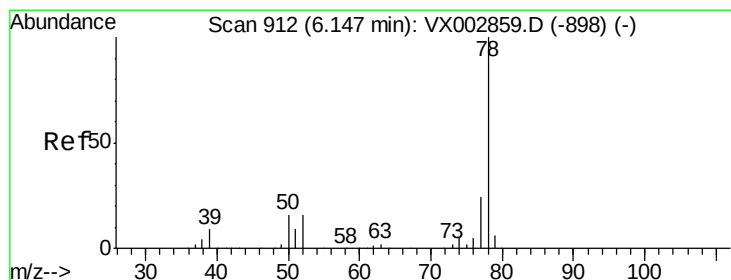
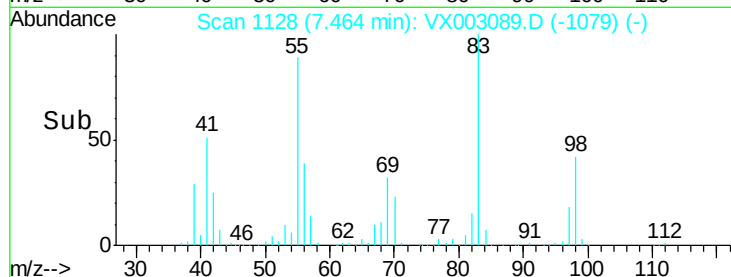
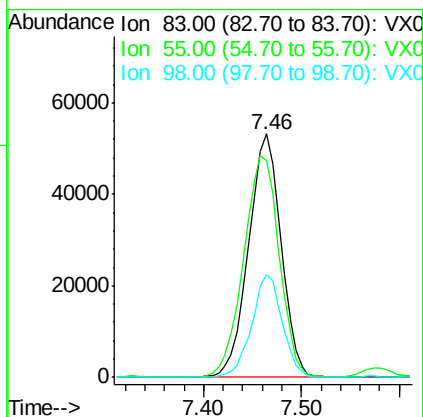
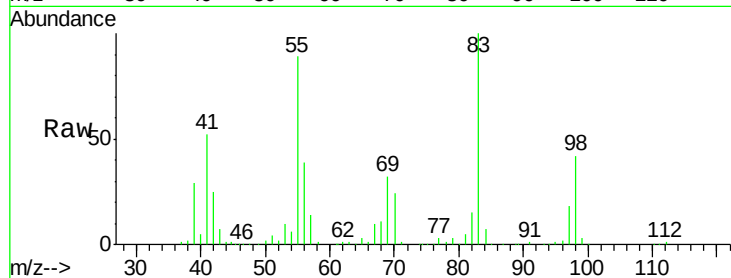




#39
Methylvlcyclohexane
Concen: 25.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

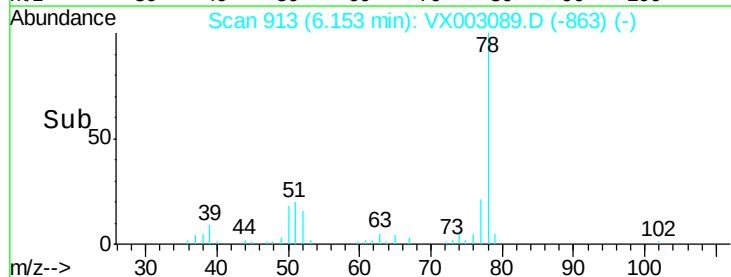
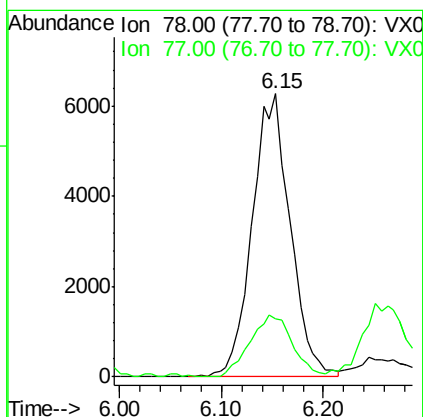
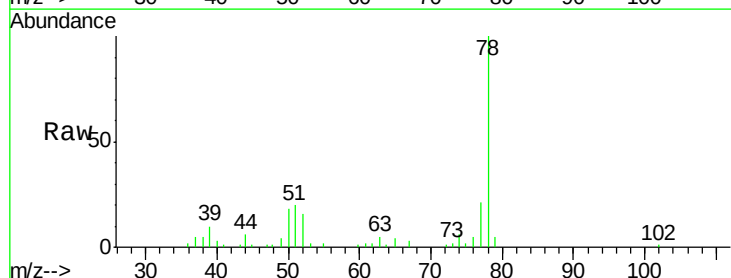
Instrument :
MSVOA_X
ClientSampleId :
S22-0041

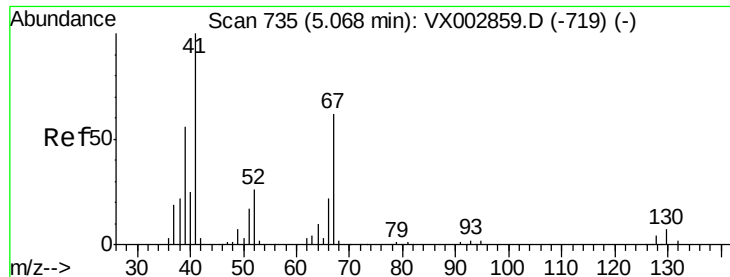
Tot Ion: 83 Resp: 122634
Ion Ratio Lower Upper
83 100
55 88.9 65.4 98.0
98 42.5 37.4 56.0



#40
Benzene
Concen: 1.35 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion: 78 Resp: 16269
Ion Ratio Lower Upper
78 100
77 19.8 19.1 28.7





#41

Methacrylonitrile

Concen: 3.42 ug/l

RT: 5.24 min Scan# 764

Delta R.T. 0.18 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

Tot Ion: 41 Resp: 8807

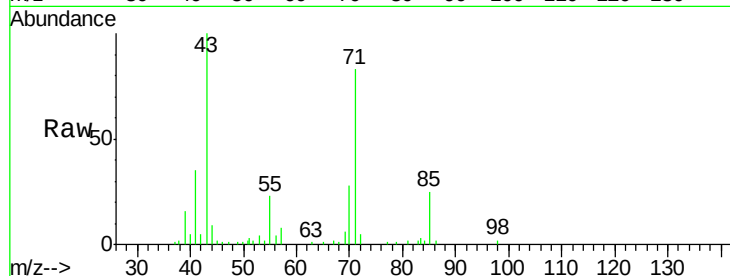
Ion Ratio Lower Upper

41 100

39 56.1 45.8 68.6

67 2.4 51.3 76.9#

52 0.0 23.0 34.6#

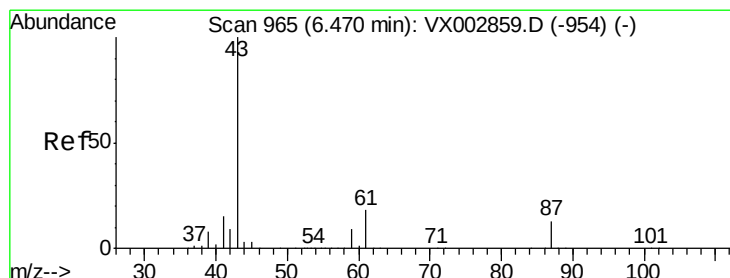
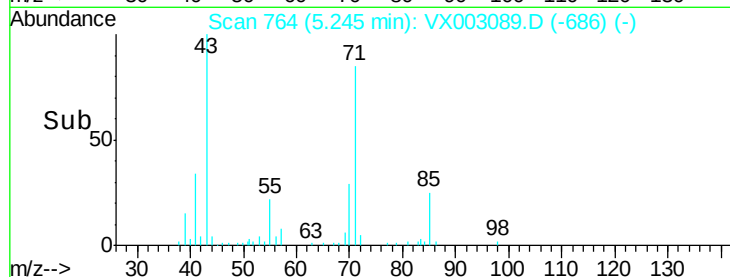
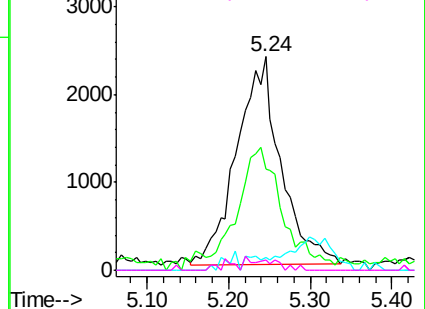


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#43

Isopropyl Acetate

Concen: 0.44 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

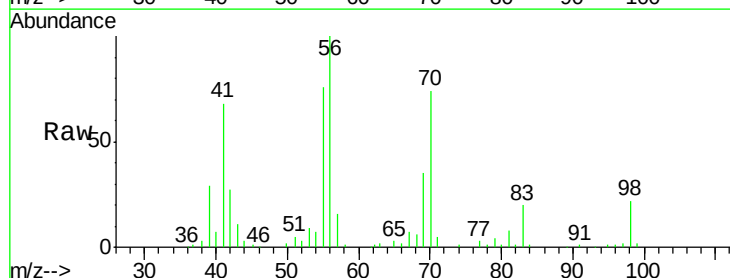
Tgt Ion: 43 Resp: 3294

Ion Ratio Lower Upper

43 100

61 0.6 14.4 21.6#

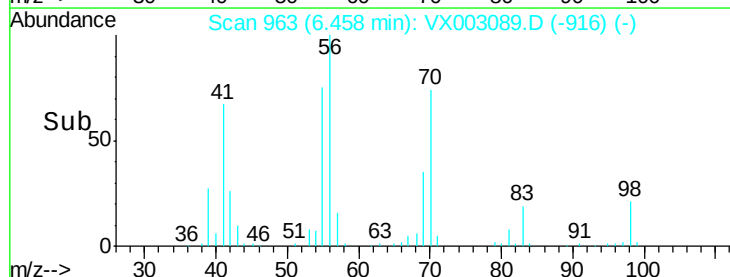
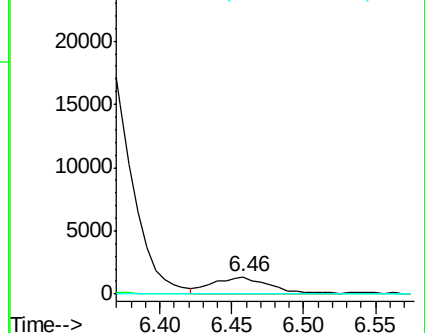
87 0.0 9.5 14.3#

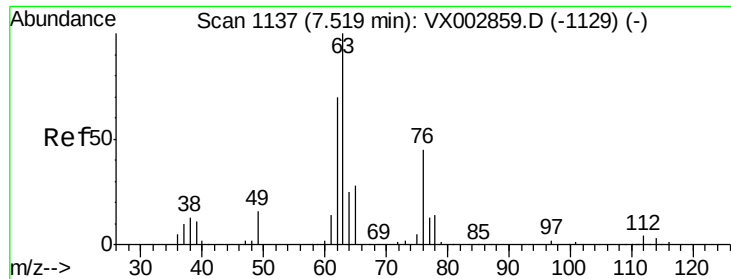


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

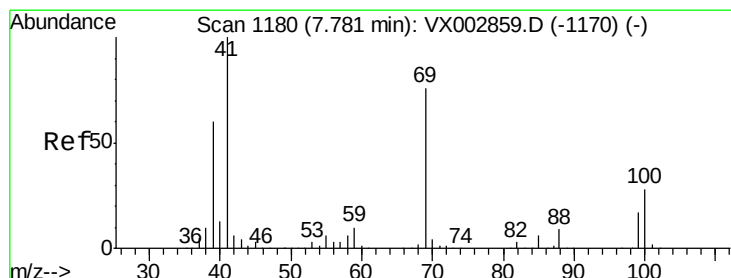
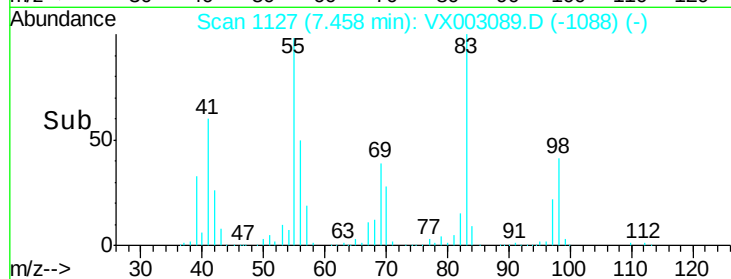
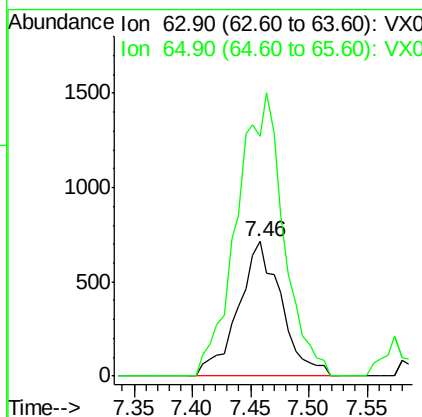
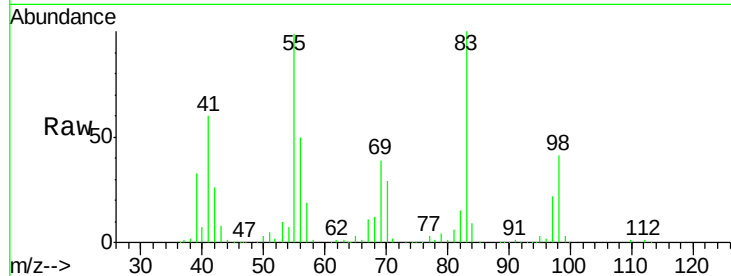




#45
 1,2-Dichloropropane
 Concen: 0.57 ug/l
 RT: 7.46 min Scan# 1127
 Delta R.T. -0.06 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

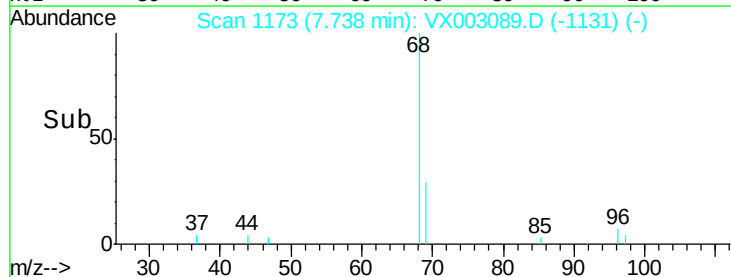
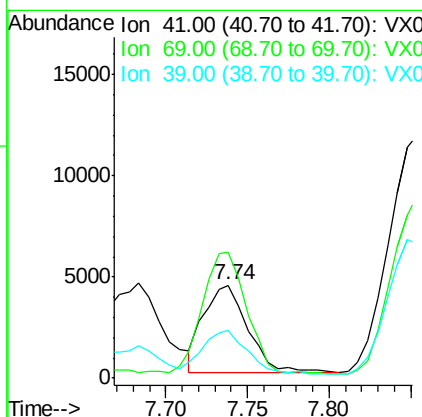
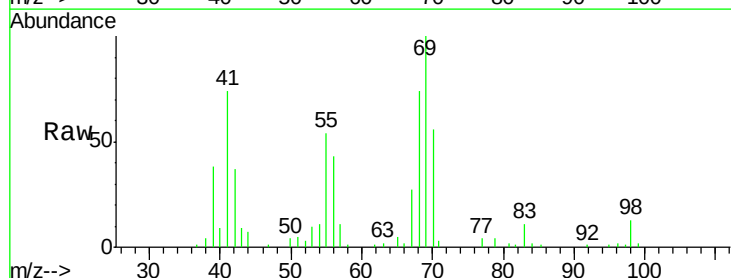
Instrument :
 MSVOA_X
 ClientSampled :
 S22-0041

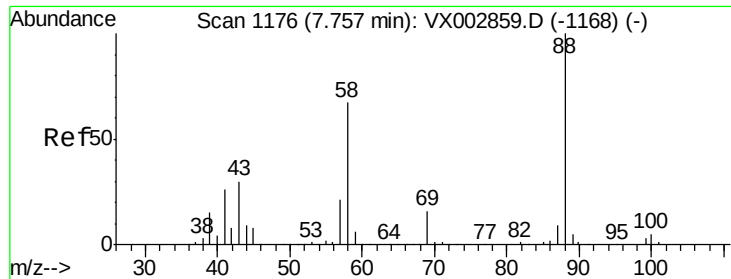
Tot Ion: 63 Resp: 1839
 Ion Ratio Lower Upper
 63 100
 65 178.4 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 2.07 ug/l
 RT: 7.74 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

Tgt Ion: 41 Resp: 8005
 Ion Ratio Lower Upper
 41 100
 69 155.1 59.1 88.7#
 39 52.6 48.9 73.3

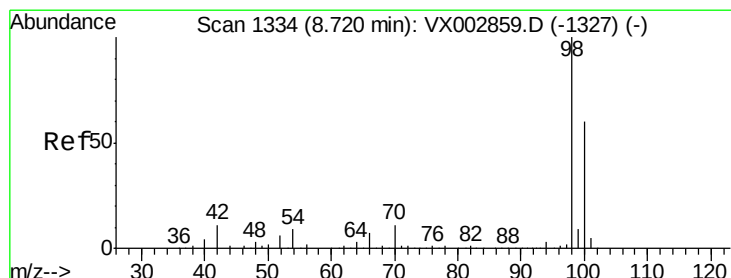
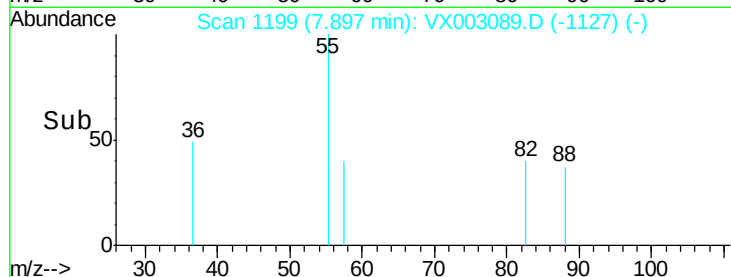
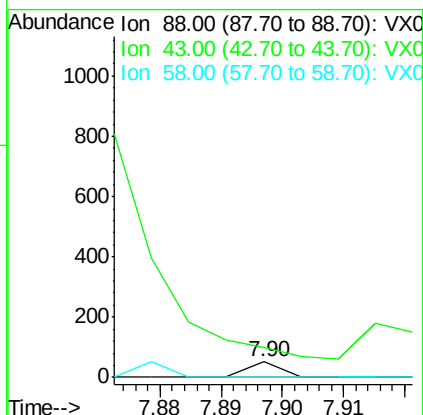
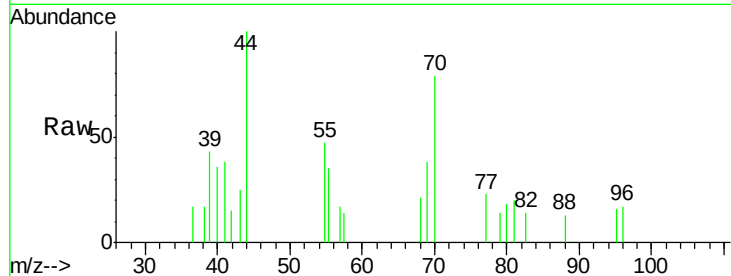




#49
1,4-Dioxane
Concen: 0.25 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. 0.14 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

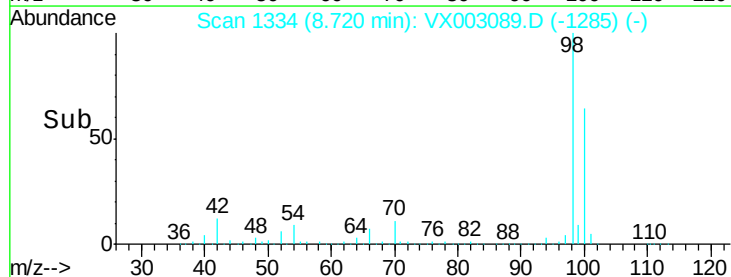
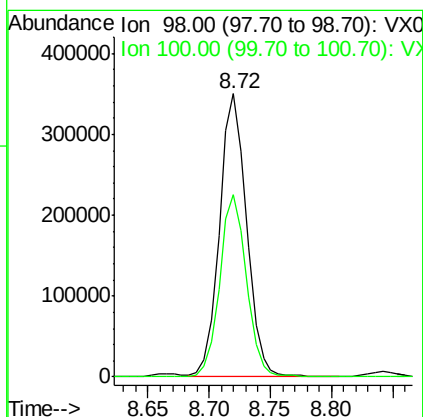
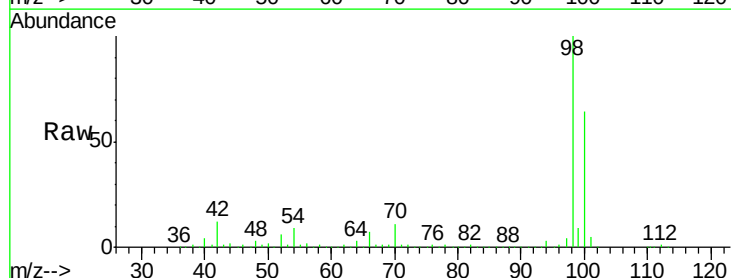
Instrument :
MSVOA_X
ClientSampled :
S22-0041

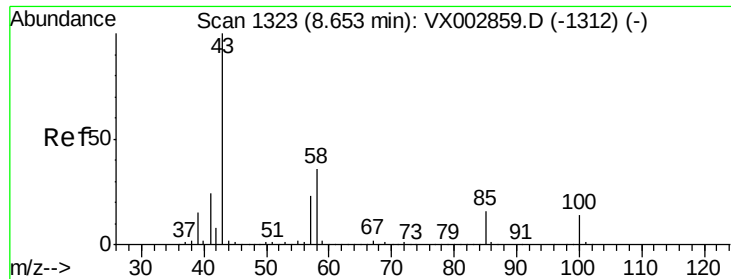
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 48.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion: 98 Resp: 534502
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 3.56 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

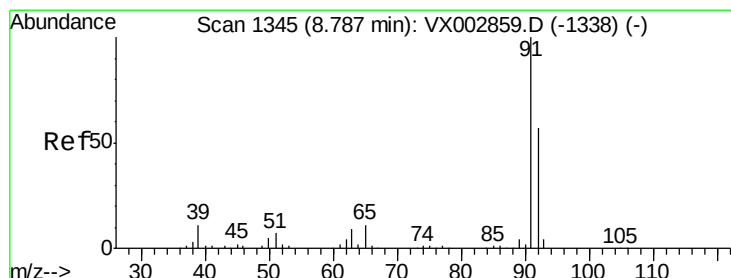
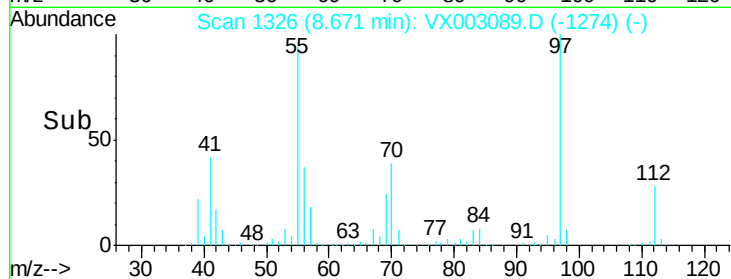
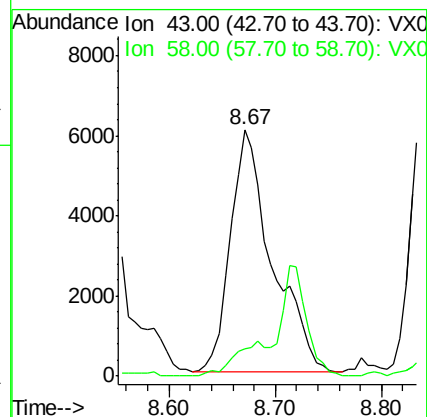
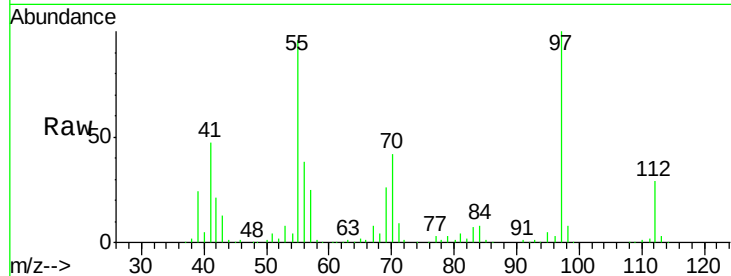
S22-0041

Tot Ion: 43 Resp: 16736

Ion Ratio Lower Upper

43 100

58 11.9 28.6 42.8#



#52

Toluene

Concen: 0.26 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003089.D

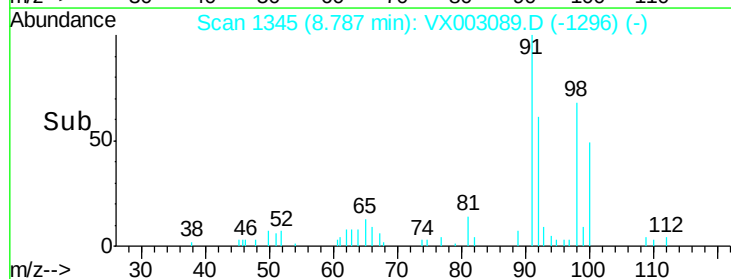
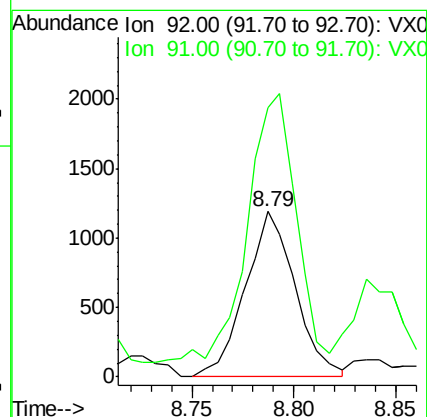
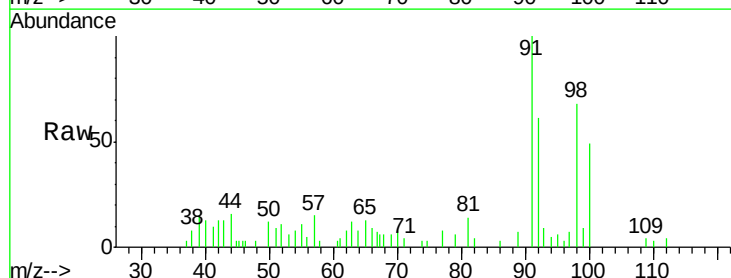
Acq: 30 Jun 2018 19:49

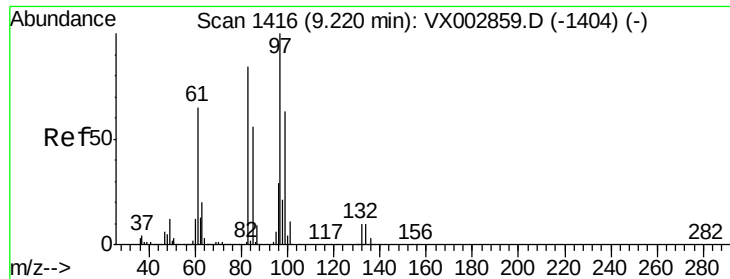
Tgt Ion: 92 Resp: 2031

Ion Ratio Lower Upper

92 100

91 163.0 140.4 210.6

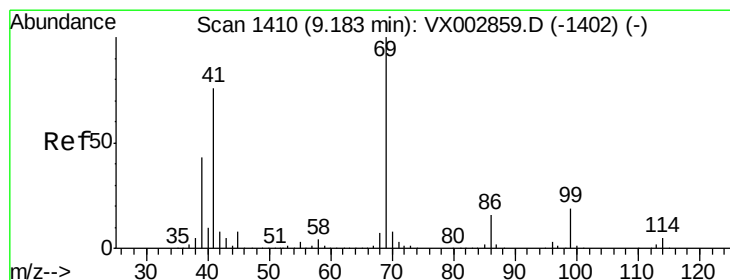
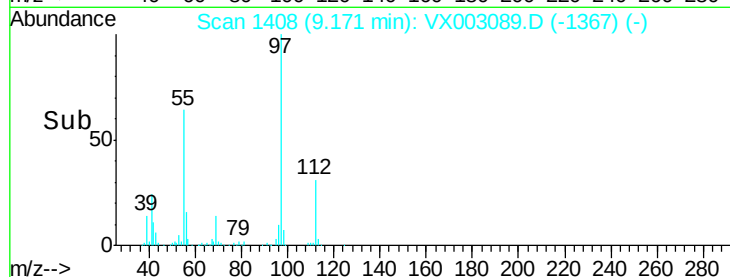
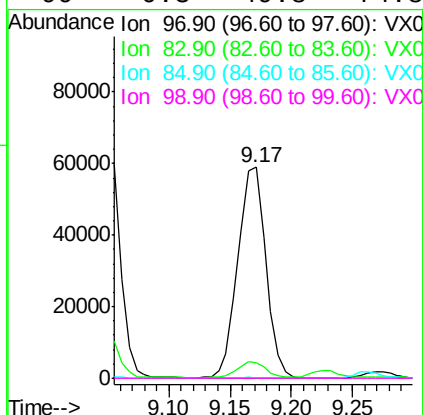
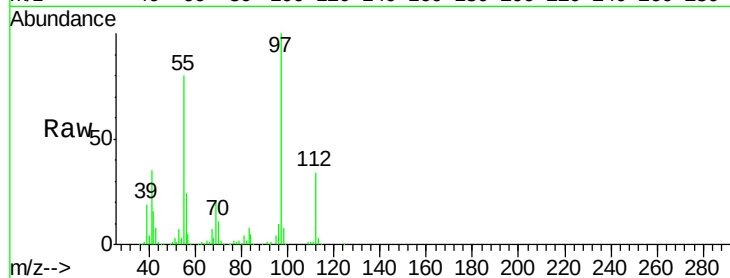




#55
 1,1,2-Trichloroethane
 Concen: 29.41 ug/l
 RT: 9.17 min Scan# 1408
 Delta R.T. -0.05 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

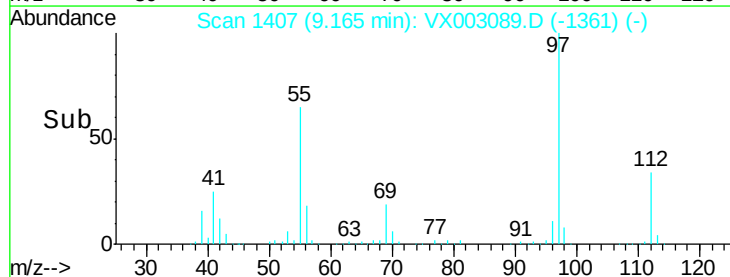
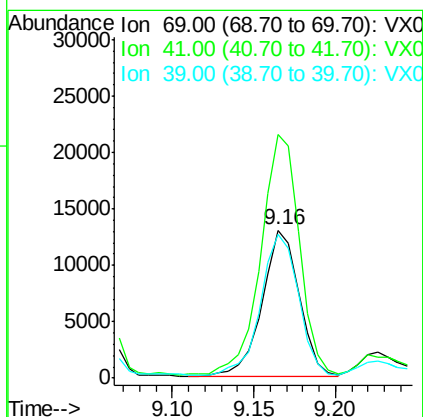
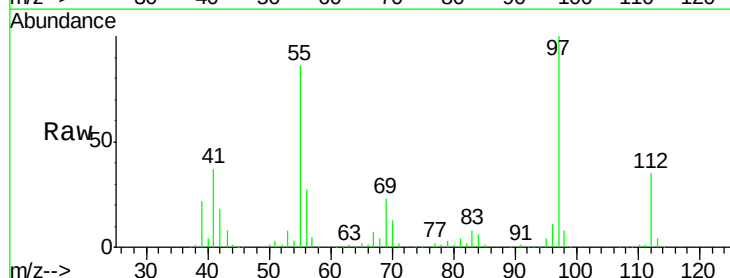
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

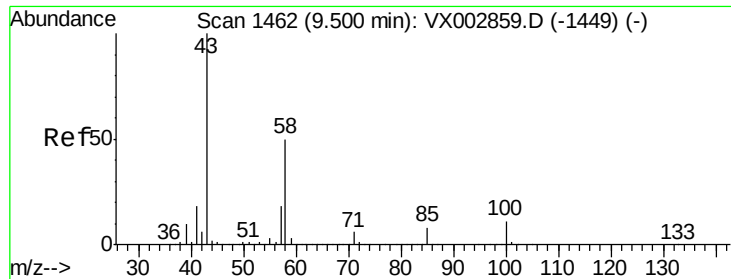
Tot Ion: 97 Resp: 93542
 Ion Ratio Lower Upper
 97 100
 83 7.4 70.2 105.2#
 85 0.3 44.9 67.3#
 99 0.3 49.8 74.8#



#56
 Ethyl methacrylate
 Concen: 4.46 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

Tgt Ion: 69 Resp: 20709
 Ion Ratio Lower Upper
 69 100
 41 167.0 60.3 90.5#
 39 97.8 35.8 53.8#

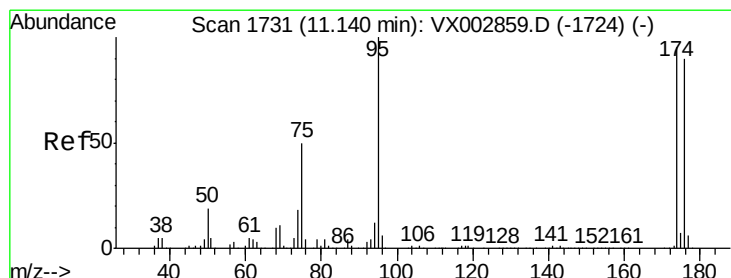
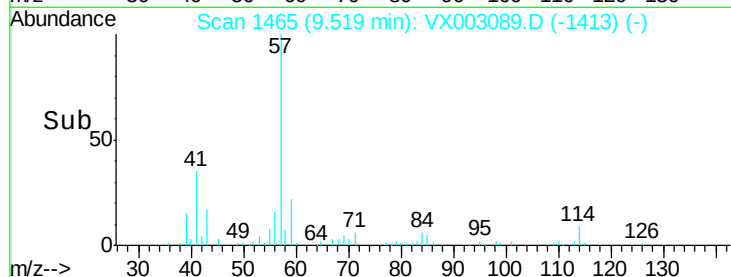
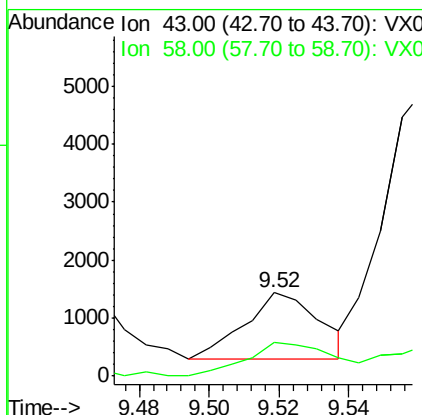
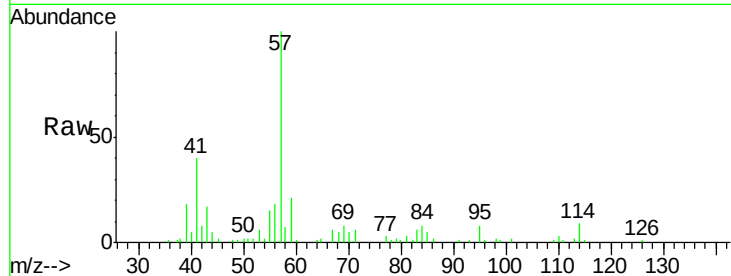




#59
2-Hexanone
Concen: 0.47 ug/l
RT: 9.52 min Scan# 1465
Delta R.T. 0.02 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

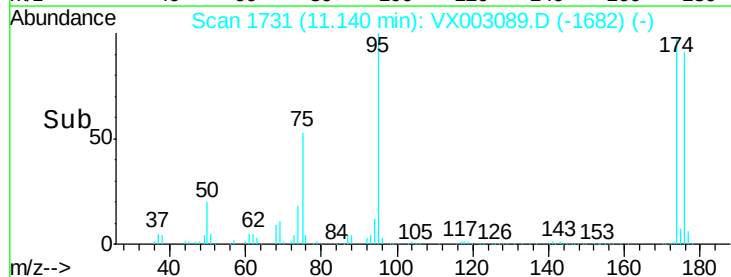
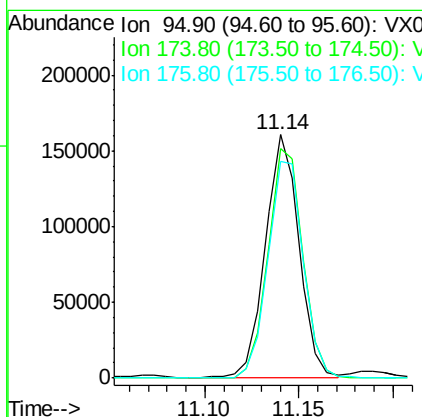
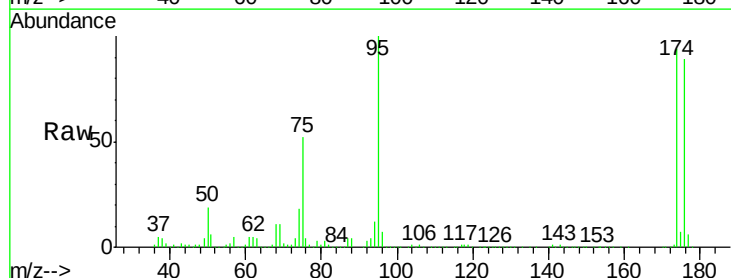
Instrument :
MSVOA_X
ClientSampled :
S22-0041

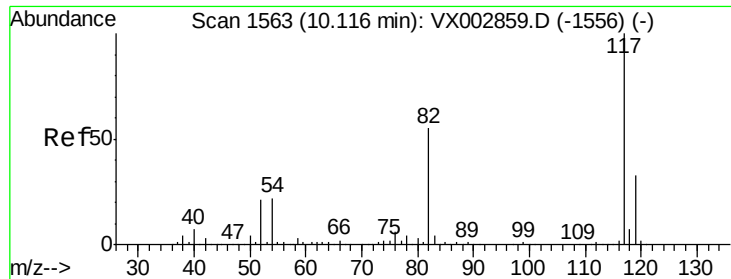
Tot Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
58 59.6 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 46.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion: 95 Resp: 198136
Ion Ratio Lower Upper
95 100
174 98.0 0.0 187.4
176 94.2 0.0 181.0

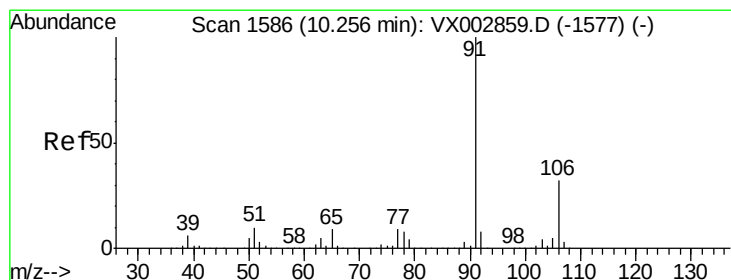
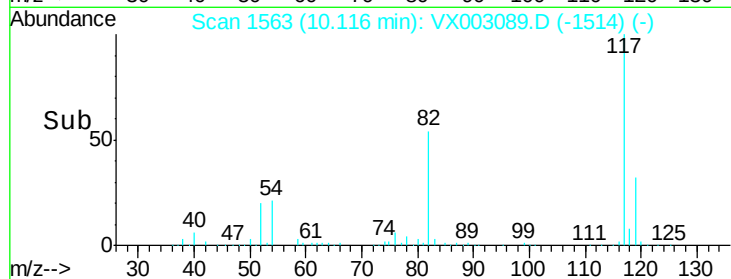
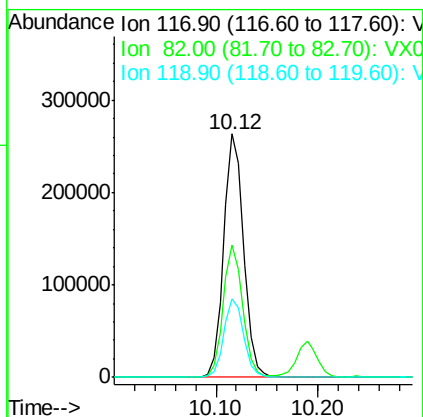
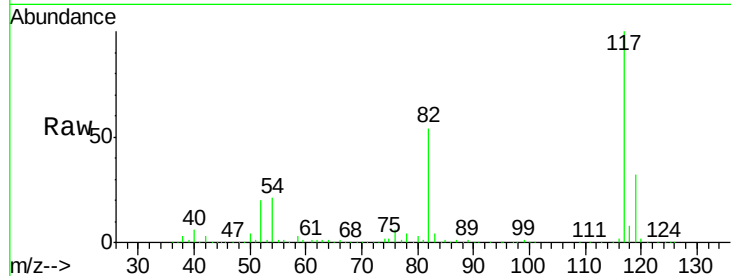




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

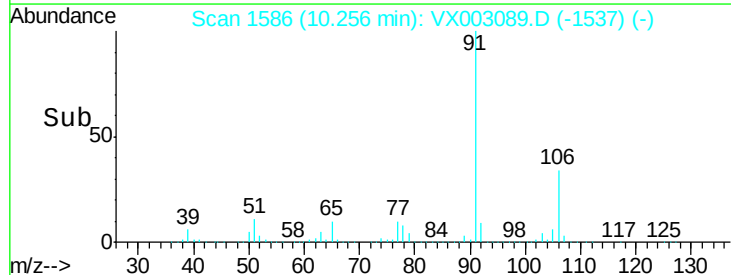
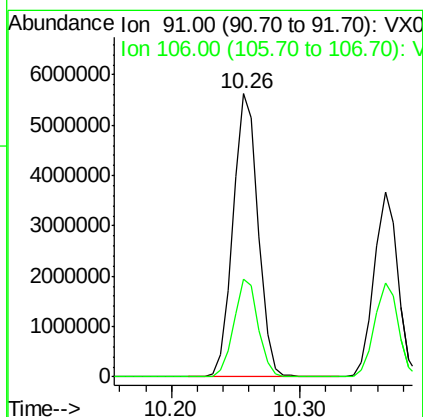
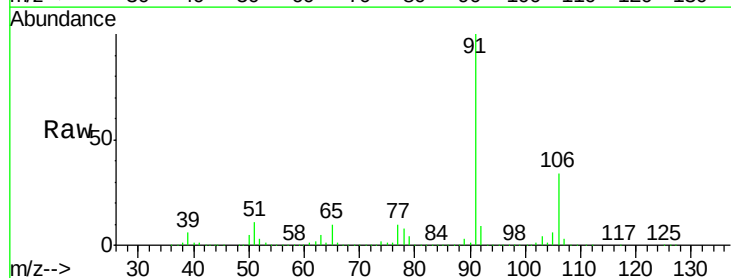
Instrument :
MSVOA_X
ClientSampleId :
S22-0041

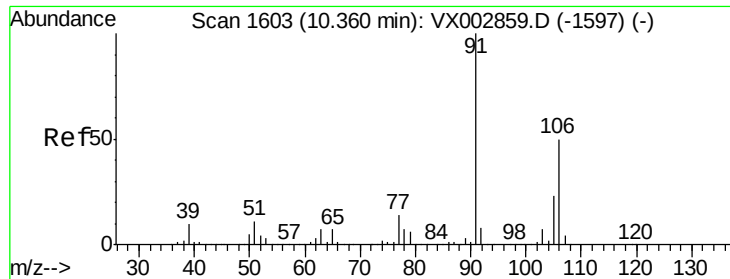
Tot Ion:117 Resp: 357574
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.0 25.8 38.6



#67
Ethyl Benzene
Concen: 510.09 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion: 91 Resp: 7652993
Ion Ratio Lower Upper
91 100
106 34.5 25.5 38.3

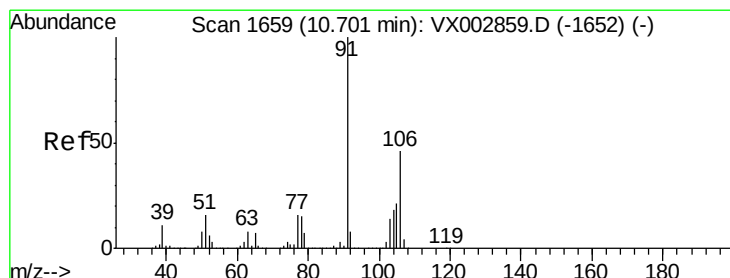
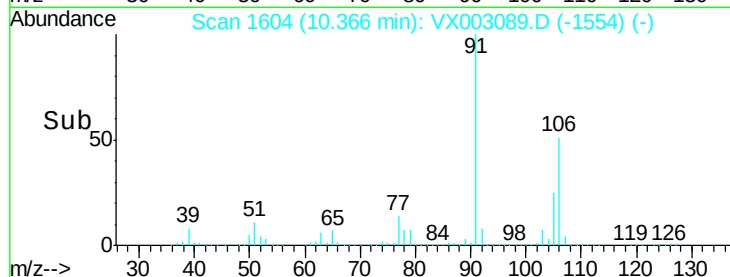
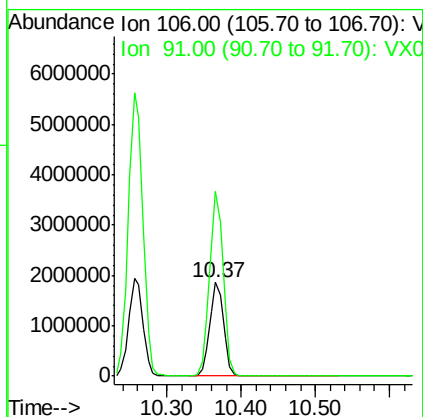
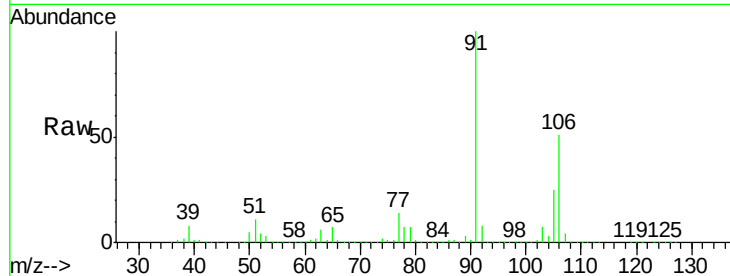




#68
m/p-Xylenes
Concen: 405.58 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

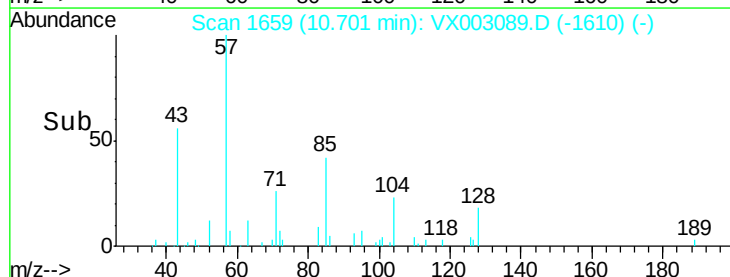
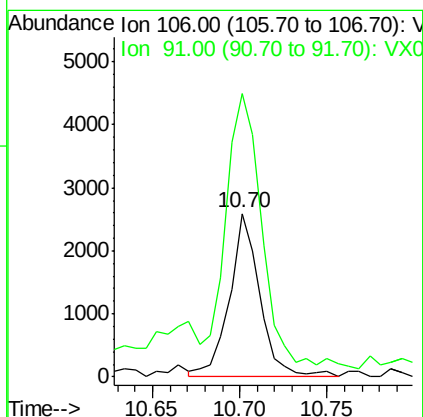
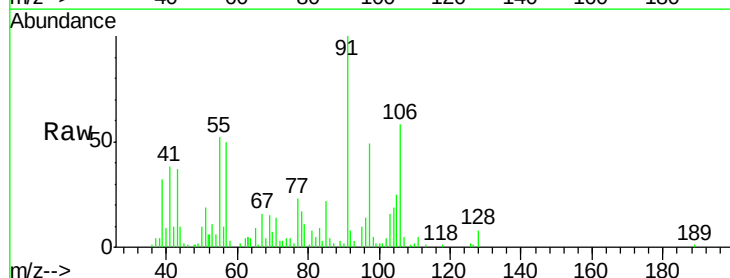
Instrument :
MSVOA_X
ClientSampled :
S22-0041

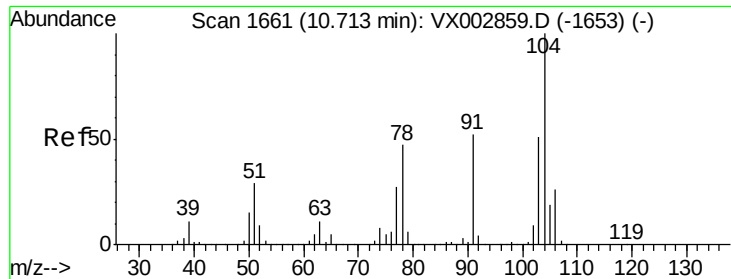
Tot Ion:106 Resp: 2345166
Ion Ratio Lower Upper
106 100
91 197.7 163.4 245.2



#69
o-Xylene
Concen: 0.56 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion:106 Resp: 3153
Ion Ratio Lower Upper
106 100
91 199.0 108.2 324.6





#70

Stvrene

Concen: 0.54 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

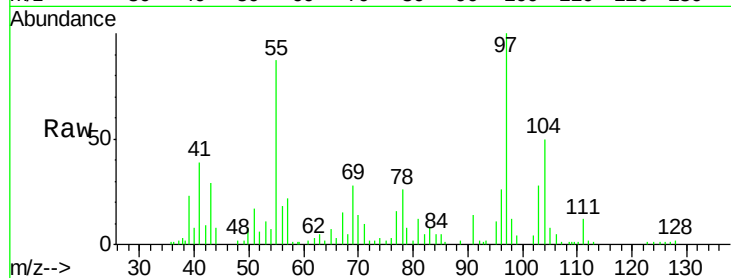
Tot Ion:104 Resp: 4926

Ion Ratio Lower Upper

104 100

78 43.8 41.0 61.6

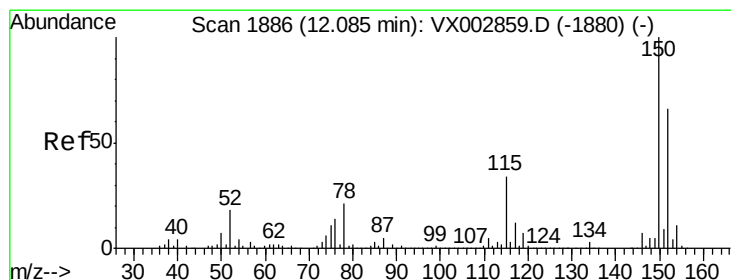
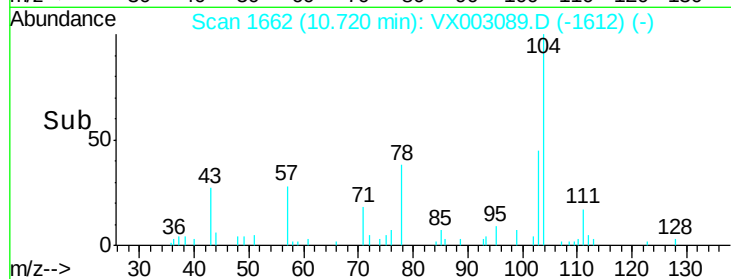
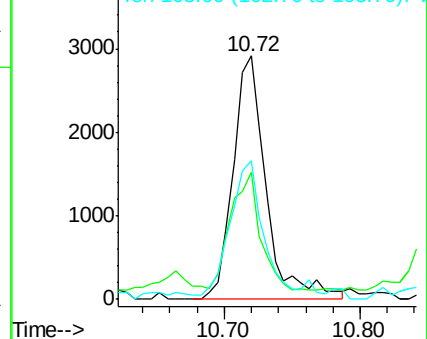
103 53.3 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

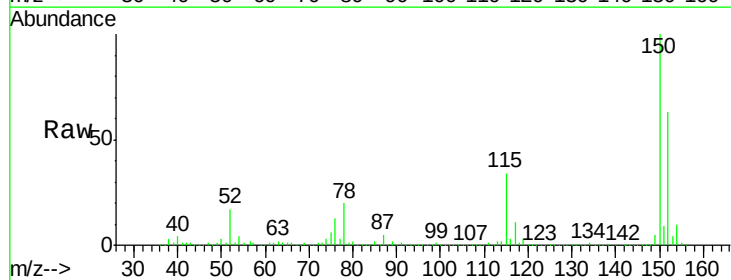
Tgt Ion:152 Resp: 214819

Ion Ratio Lower Upper

152 100

115 64.0 40.1 120.2

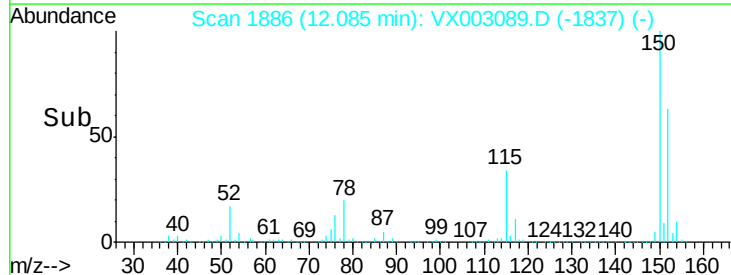
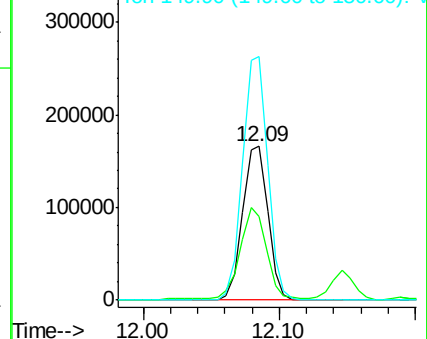
150 157.8 0.0 347.2

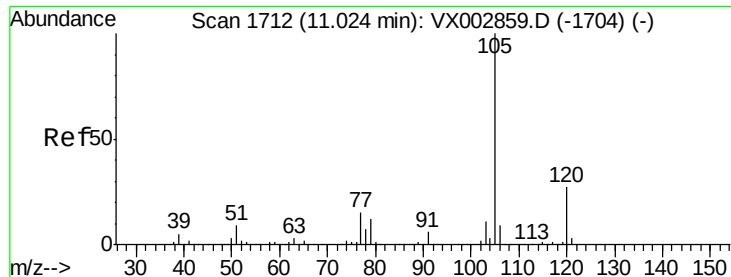


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 109.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

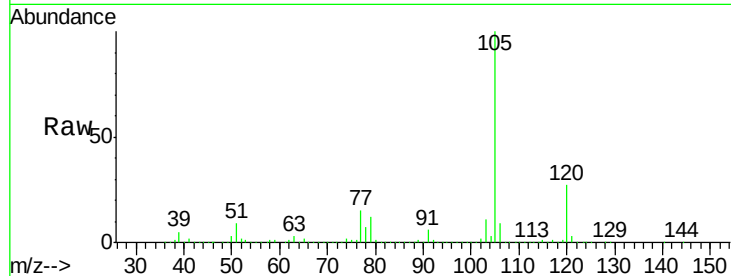
S22-0041

Tot Ion:105 Resp: 1580299

Ion Ratio Lower Upper

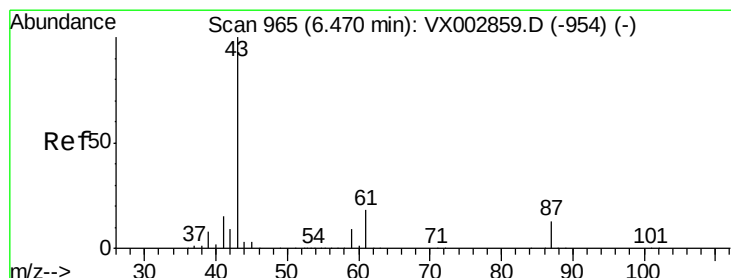
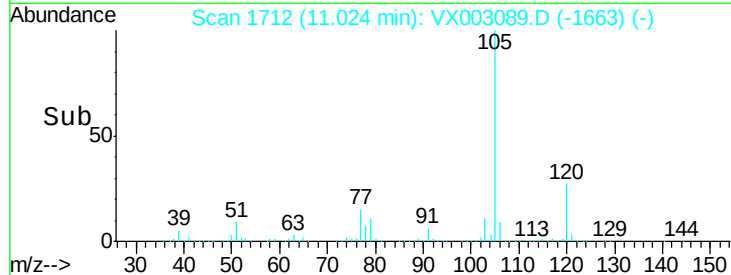
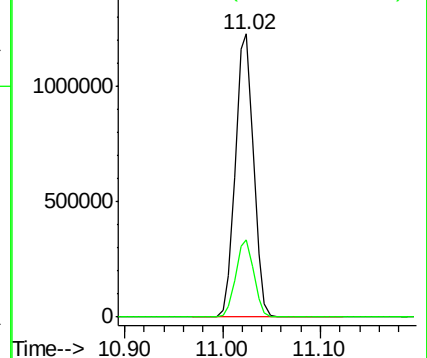
105 100

120 27.1 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: 0.47 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Tgt Ion: 43 Resp: 3294

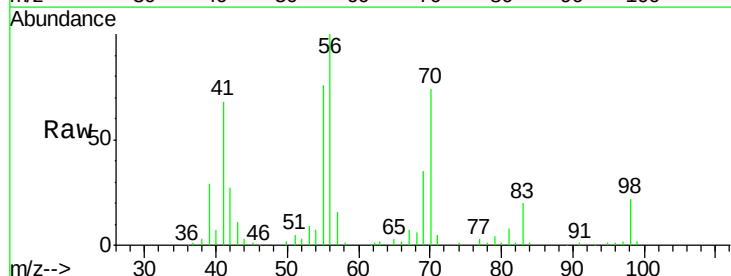
Ion Ratio Lower Upper

43 100

70 787.7 0.0 0.0#

55 811.8 0.0 0.0#

61 0.6 14.4 21.6#

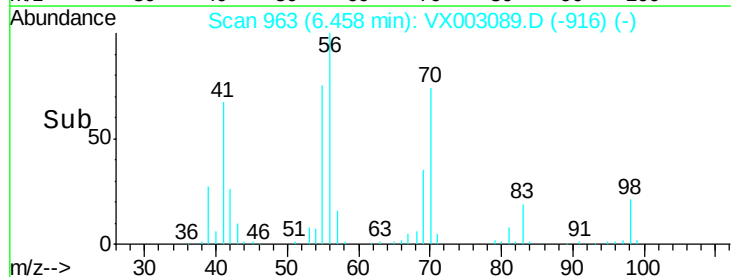
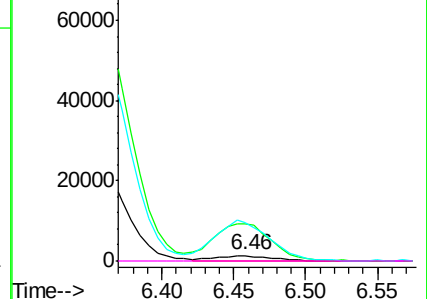


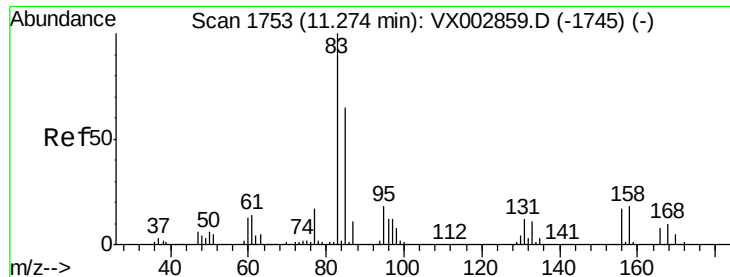
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.87 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

S22-0041

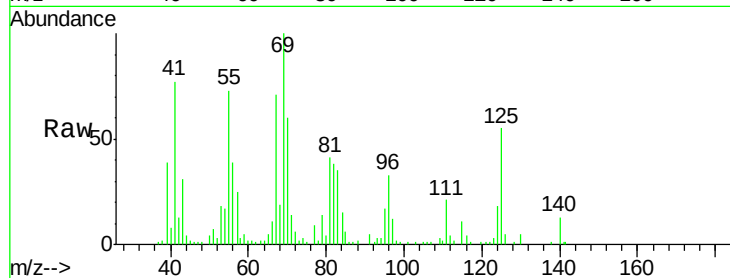
Tot Ion: 83 Resp: 3855

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

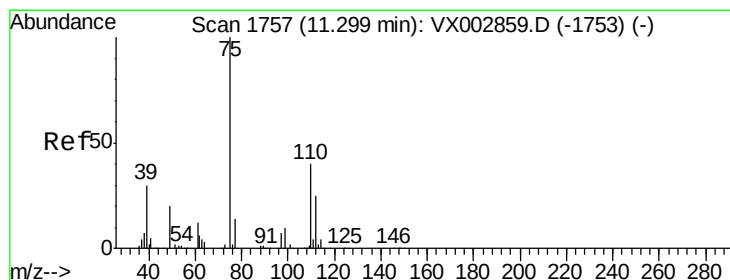
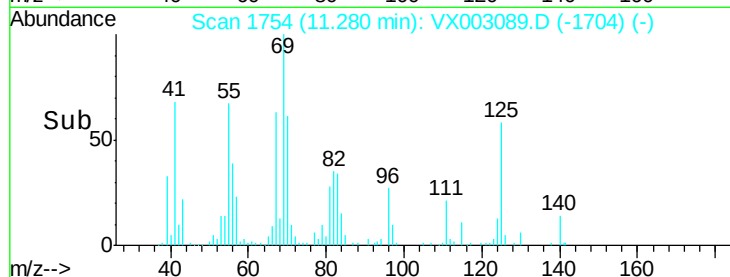
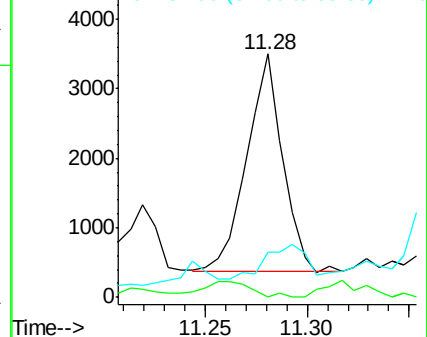
85 28.6 32.4 97.2#



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: 2.46 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX003089.D

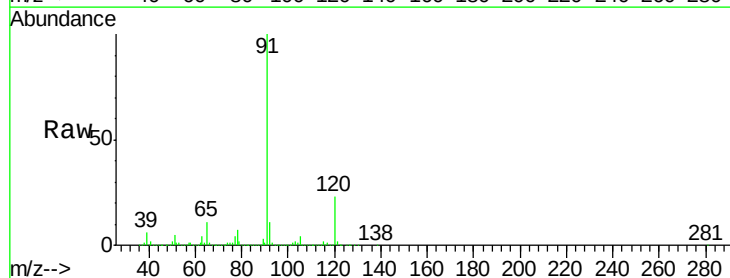
Acq: 30 Jun 2018 19:49

Tgt Ion: 75 Resp: 9582

Ion Ratio Lower Upper

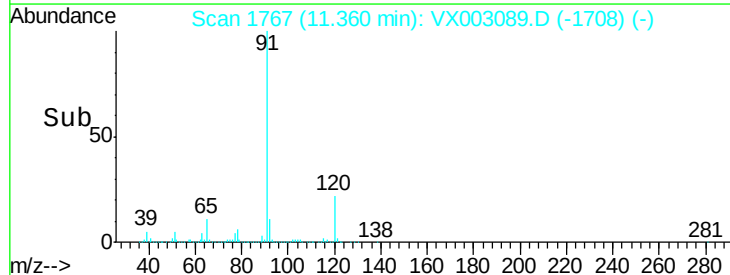
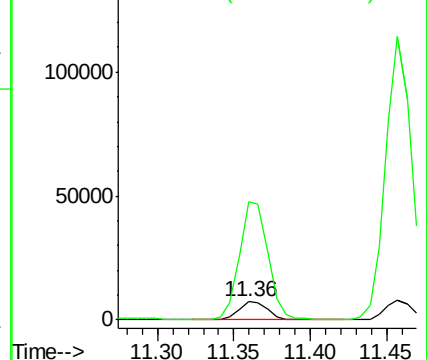
75 100

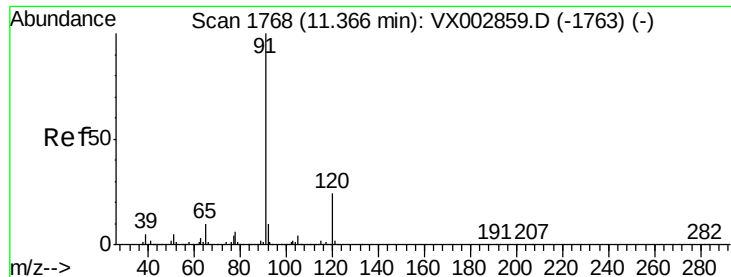
77 632.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 92.43 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

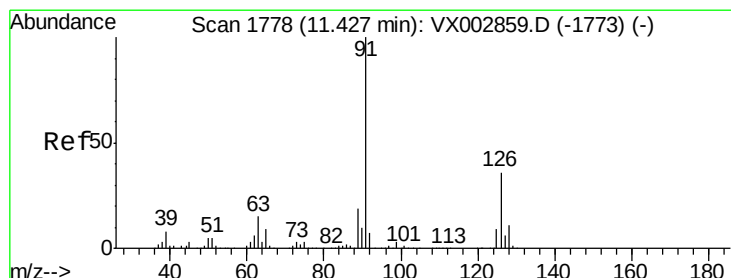
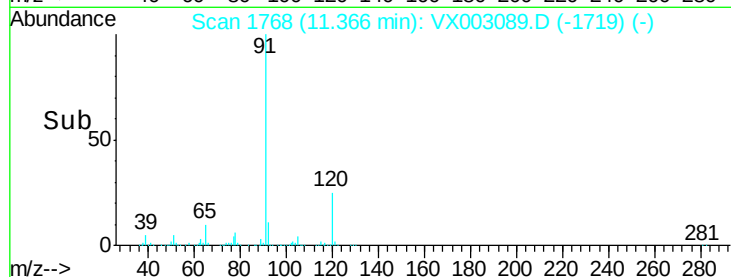
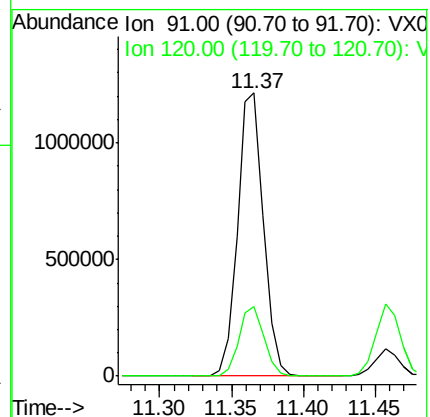
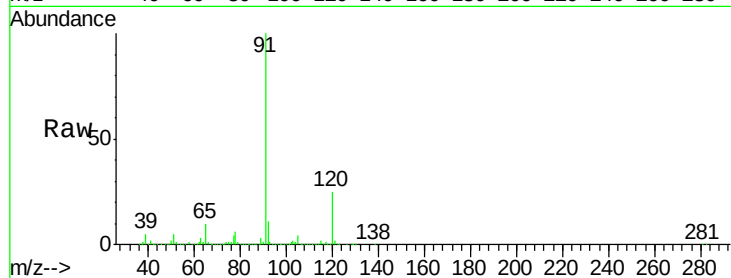
S22-0041

Tot Ion: 91 Resp: 1520383

Ion Ratio Lower Upper

91 100

120 24.0 11.8 35.4



#79

2-Chlorotoluene

Concen: 13.38 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. 0.03 min

Lab File: VX003089.D

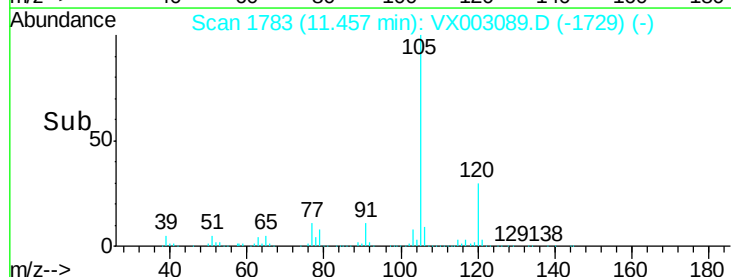
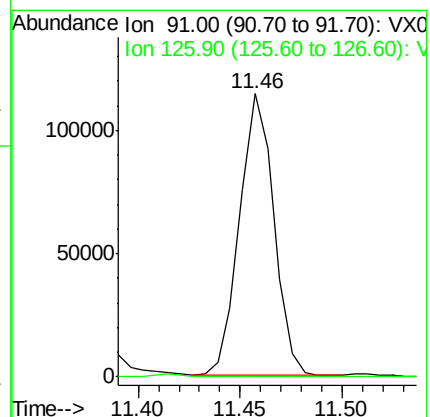
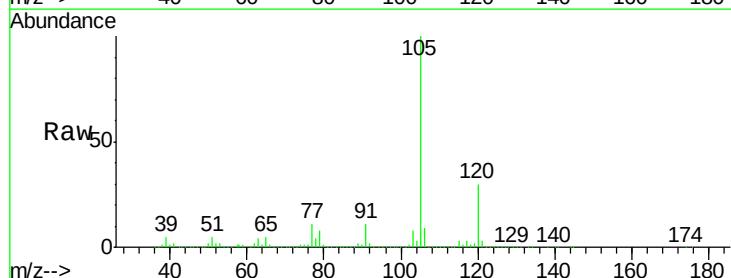
Acq: 30 Jun 2018 19:49

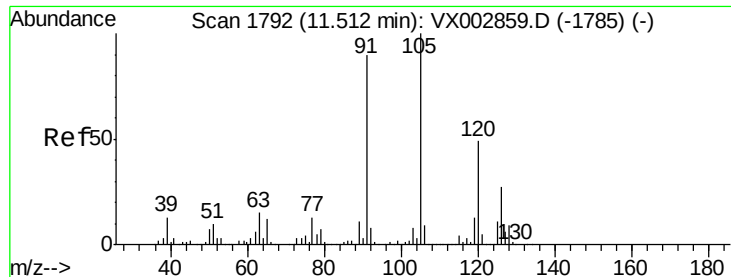
Tgt Ion: 91 Resp: 133212

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#

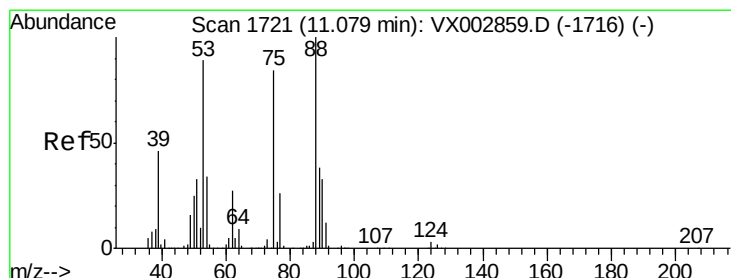
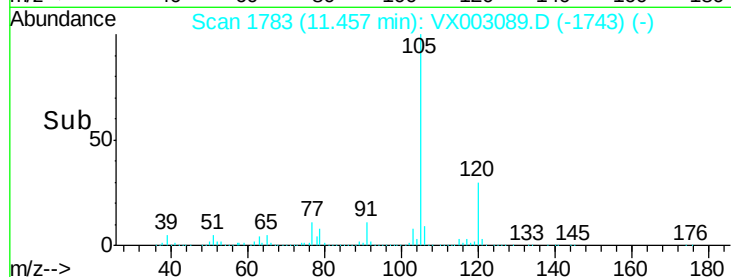
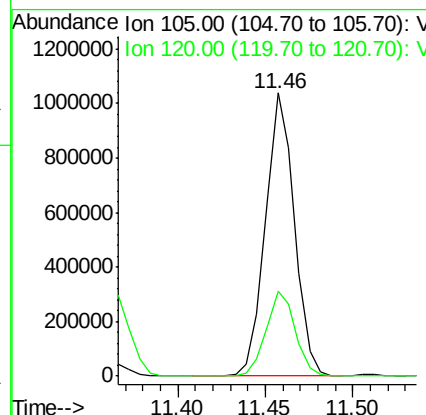
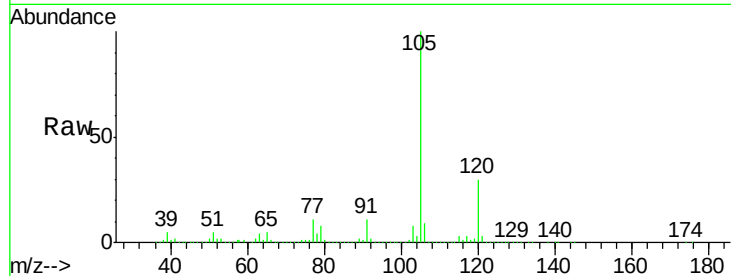




#80
 1,3,5-Trimethylbenzene
 Concen: 99.37 ug/l
 RT: 11.46 min Scan# 1783
 Delta R.T. -0.05 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

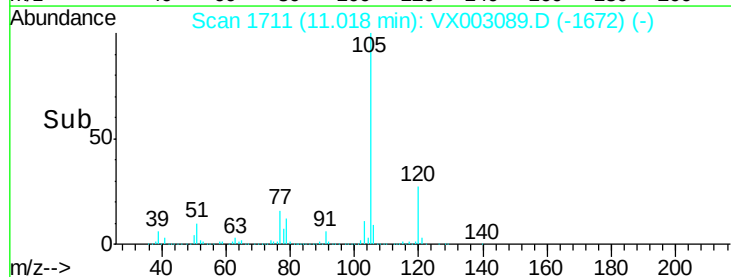
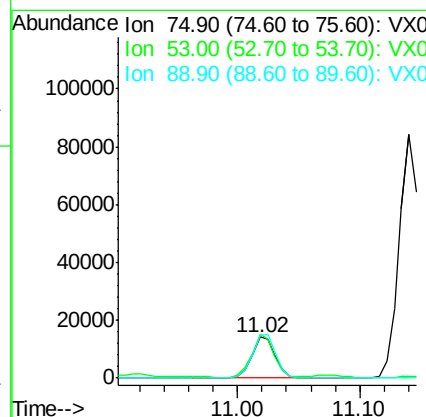
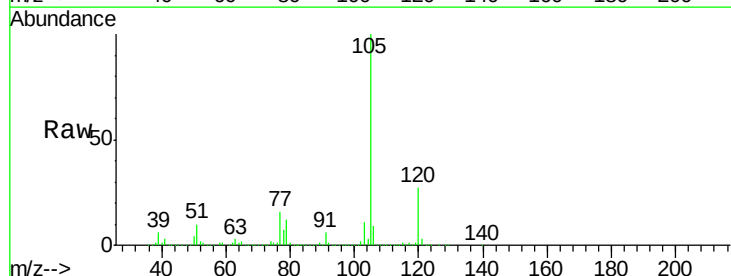
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

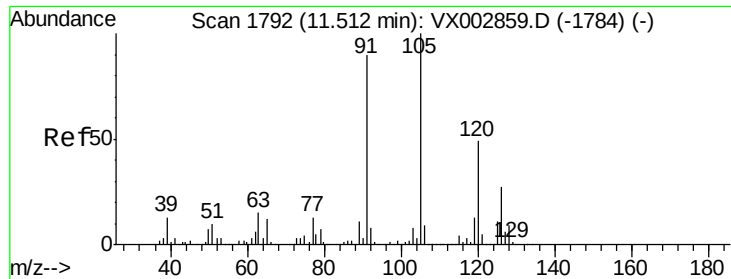
Tot Ion:105 Resp: 1209483
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 16.47 ug/l
 RT: 11.02 min Scan# 1711
 Delta R.T. -0.06 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

Tgt Ion: 75 Resp: 18849
 Ion Ratio Lower Upper
 75 100
 53 100.3 86.8 130.2
 89 106.2 38.2 57.2#





#82

4-Chlorotoluene

Concen: 11.30 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

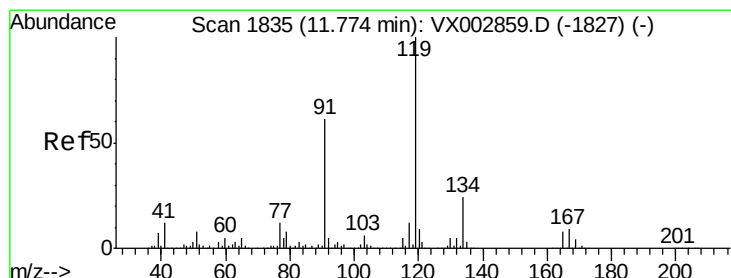
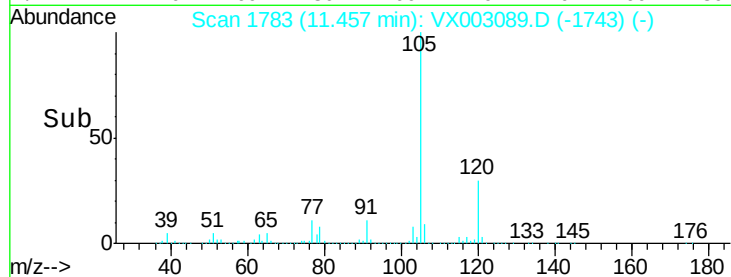
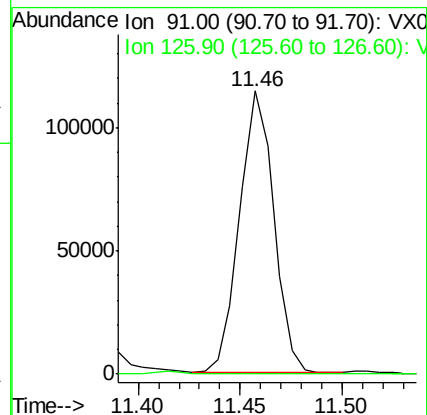
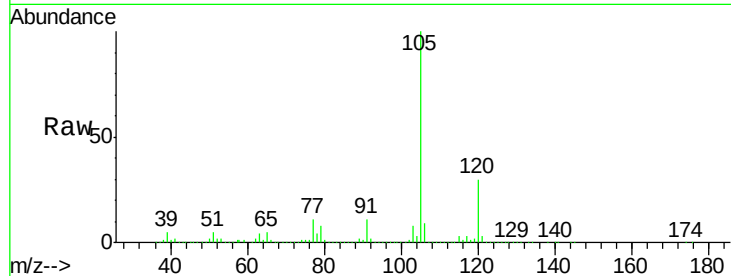
S22-0041

Tot Ion: 91 Resp: 133212

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.4#



#83

tert-Butylbenzene

Concen: 1.67 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

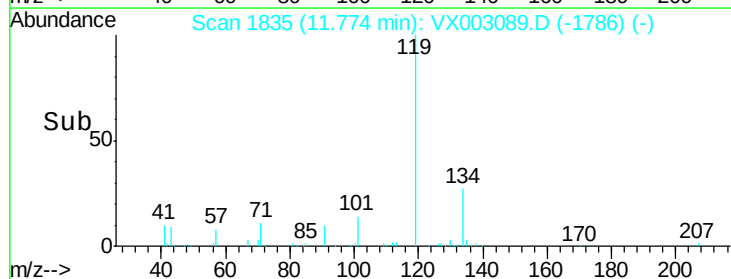
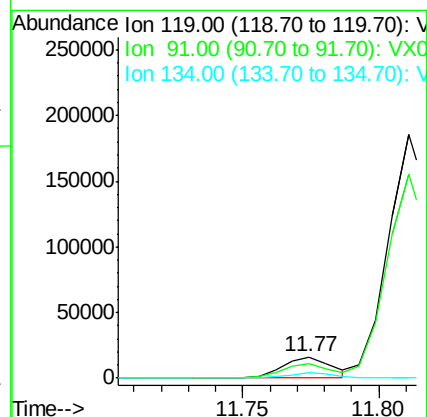
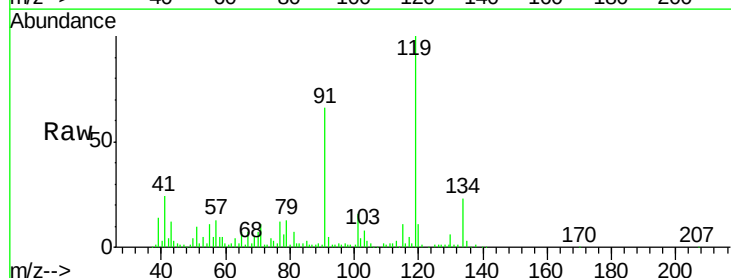
Tgt Ion: 119 Resp: 19992

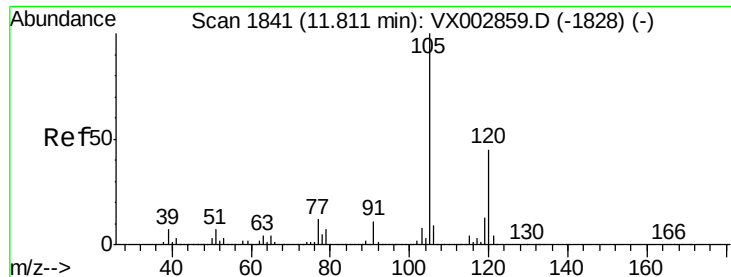
Ion Ratio Lower Upper

119 100

91 65.3 30.3 90.9

134 25.0 11.7 35.1

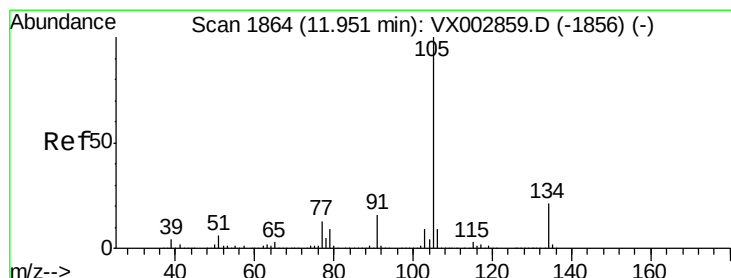
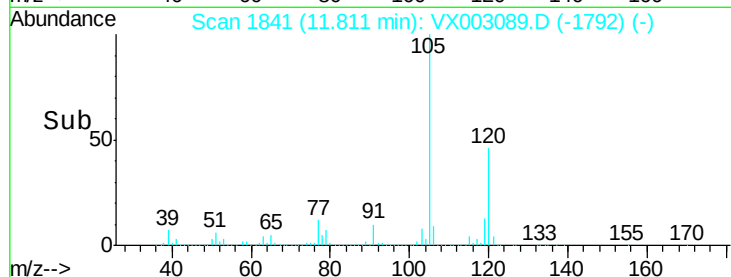
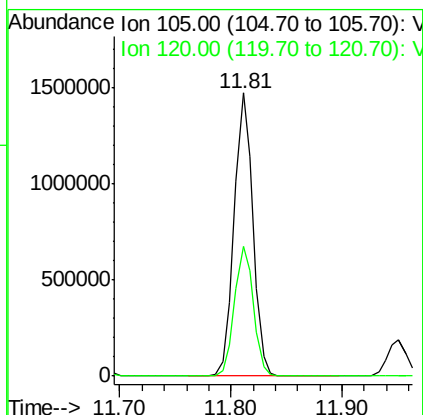
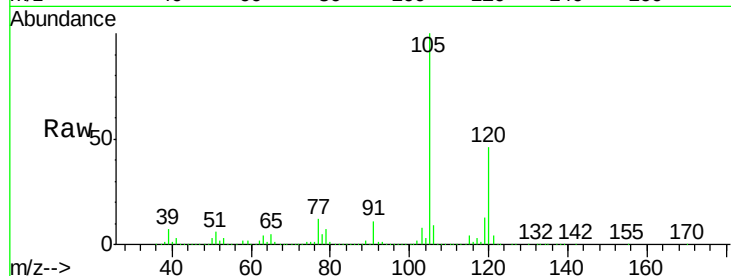




#84
 1,2,4-Trimethylbenzene
 Concen: 135.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

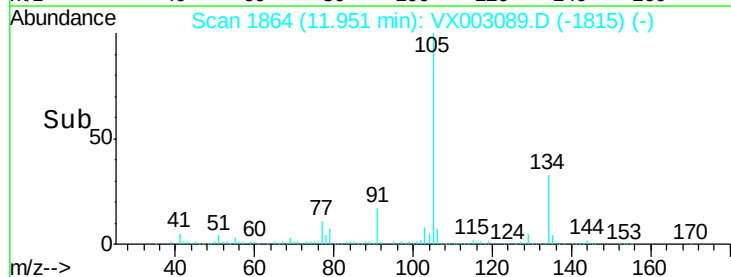
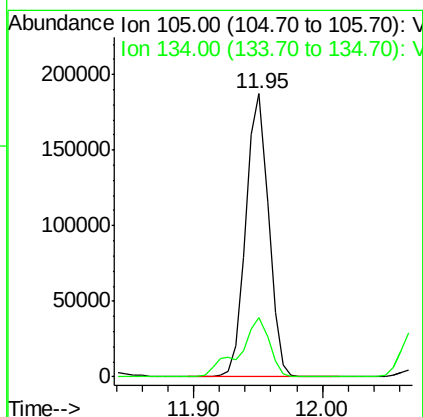
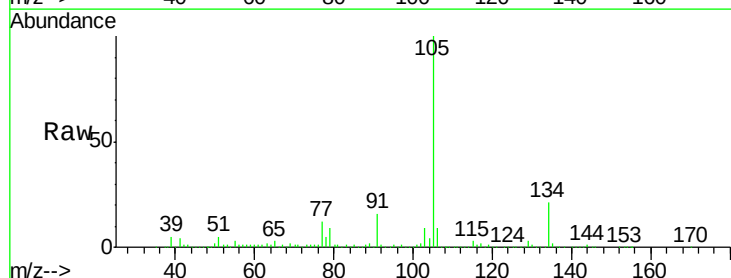
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

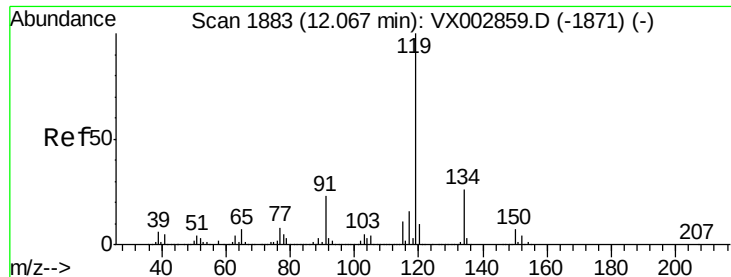
Tot Ion:105 Resp: 1711779
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 15.60 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

Tgt Ion:105 Resp: 227062
 Ion Ratio Lower Upper
 105 100
 134 27.7 10.4 31.1





#86

p-Isopropyltoluene

Concen: 9.59 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

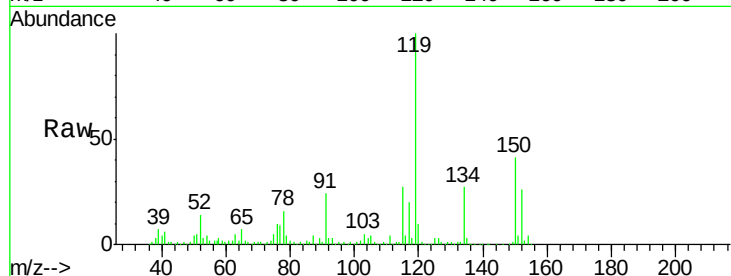
Tot Ion:119 Resp: 125533

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

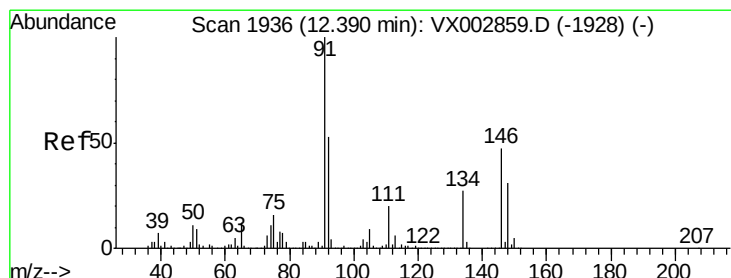
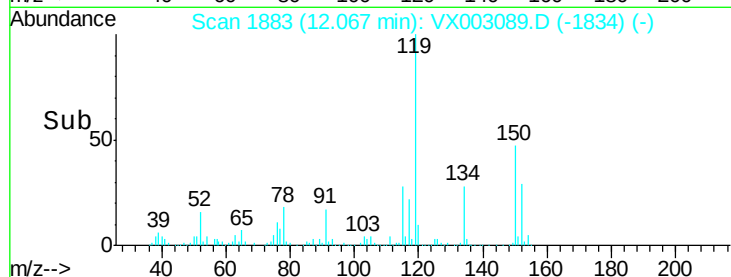
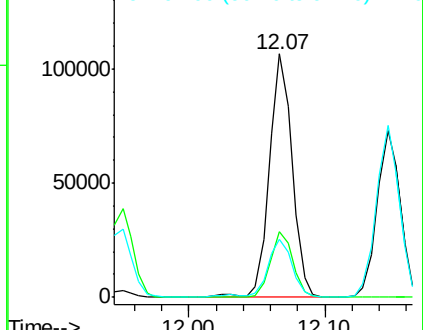
91 24.2 11.9 35.7



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): V



#89

n-Butylbenzene

Concen: 2.47 ug/l

RT: 12.37 min Scan# 1933

Delta R.T. -0.02 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

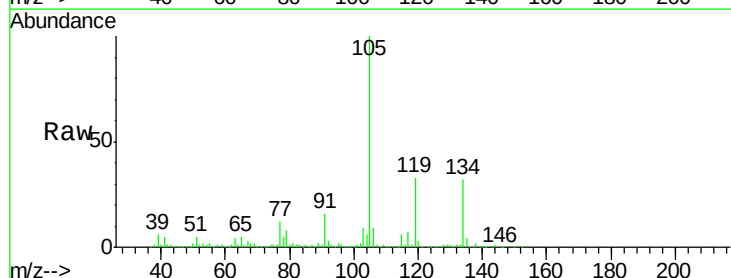
Tgt Ion: 91 Resp: 28097

Ion Ratio Lower Upper

91 100

92 56.0 26.0 78.0

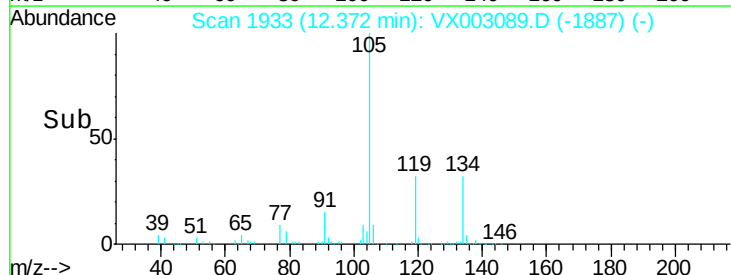
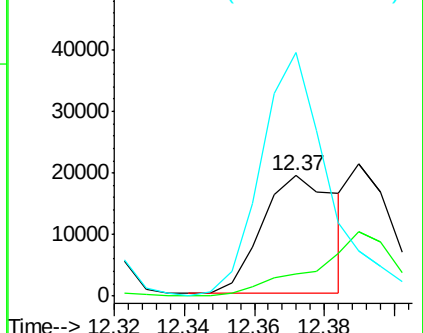
134 191.0 13.5 40.5#

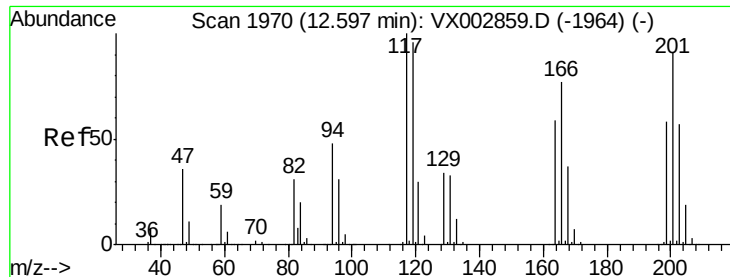


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

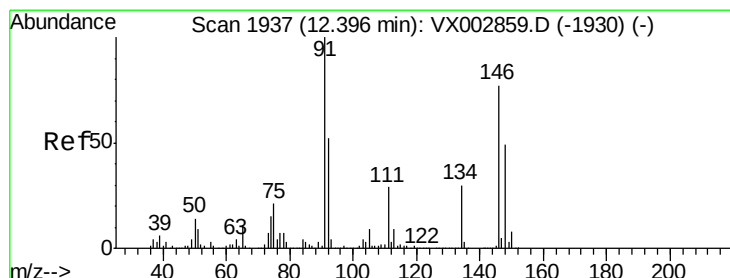
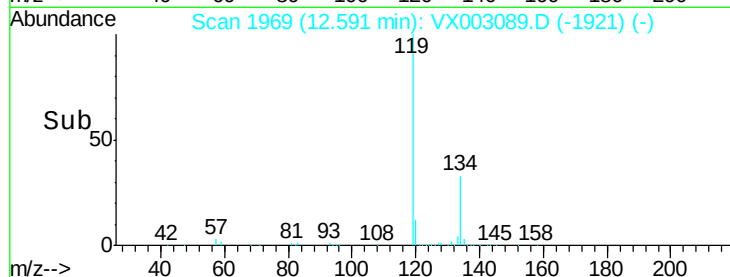
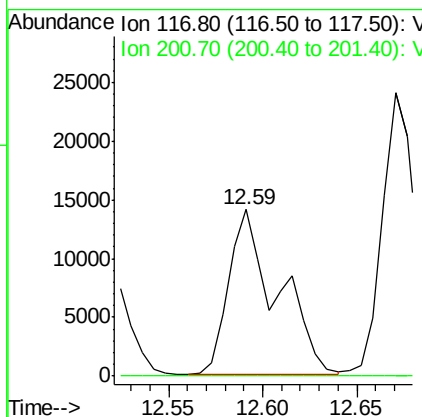
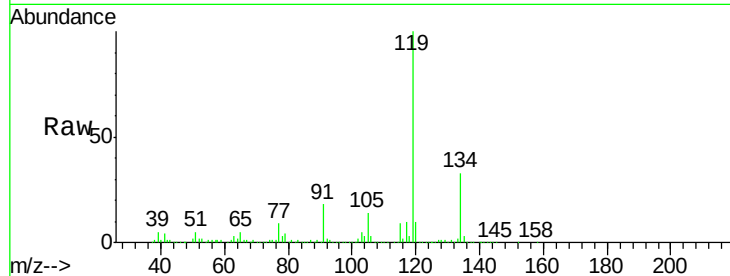




#90
 Hexachloroethane
 Concen: 12.98 ug/l
 RT: 12.59 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

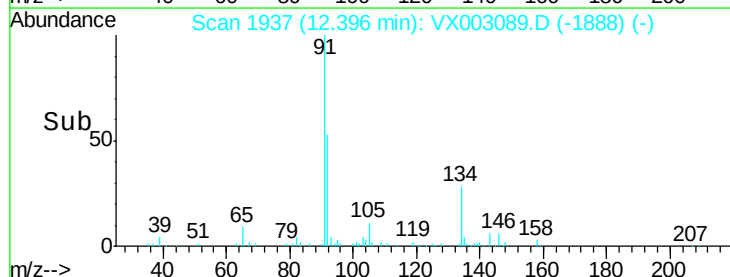
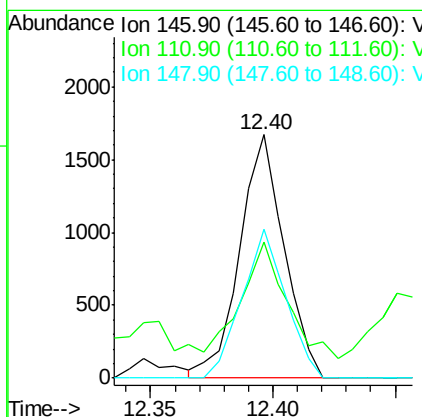
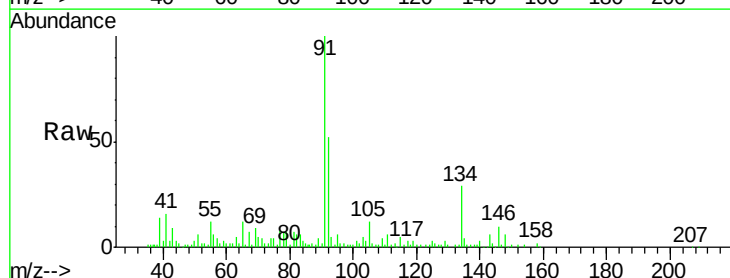
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

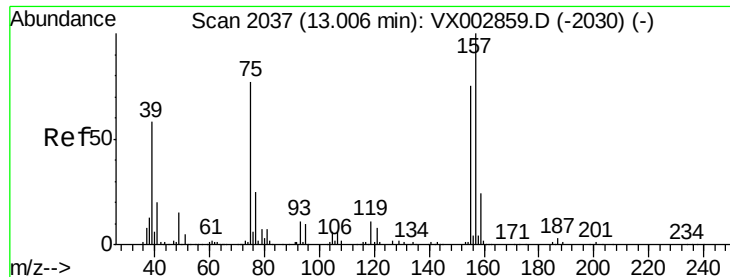
Tot Ion:117 Resp: 25268
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.0 147.0#



#91
 1,2-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003089.D
 Acq: 30 Jun 2018 19:49

Tgt Ion:146 Resp: 2103
 Ion Ratio Lower Upper
 146 100
 111 49.3 19.4 58.1
 148 60.1 31.7 95.1

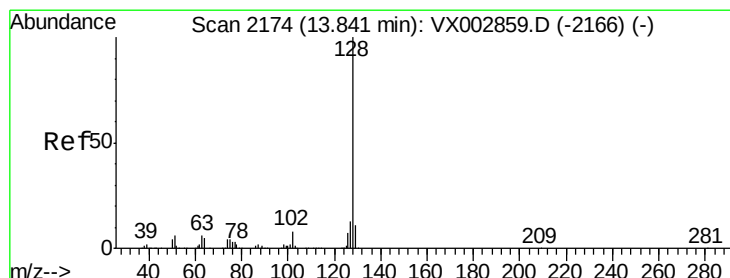
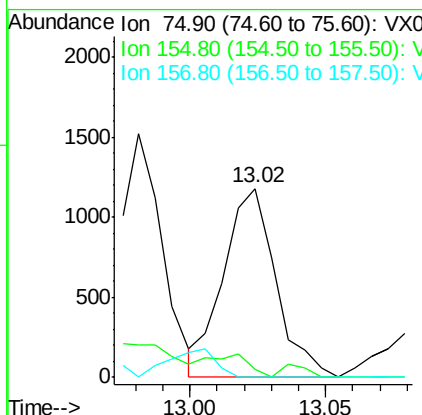
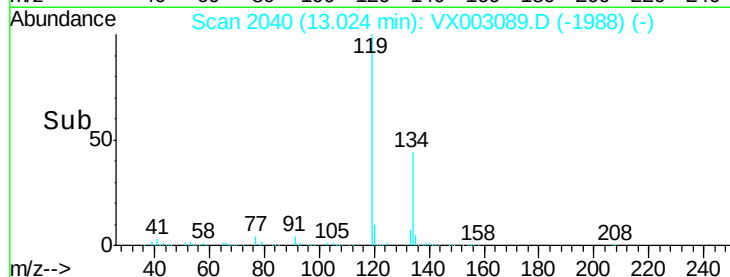
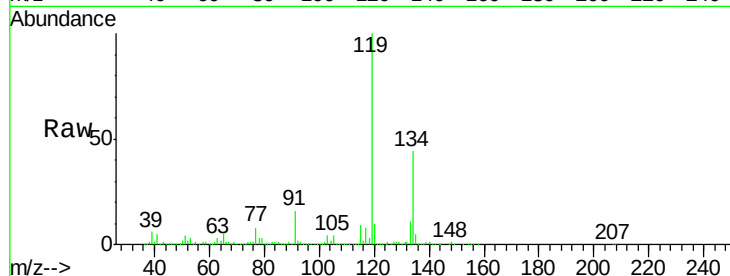




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.57 ug/l
RT: 13.02 min Scan# 2040
Delta R.T. 0.02 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Instrument :
MSVOA_X
ClientSampled :
S22-0041

Tot Ion: 75 Resp: 1575
Ion Ratio Lower Upper
75 100
155 3.2 45.8 137.4#
157 0.0 60.1 180.3#



#95
Naphthalene
Concen: 119.21 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion:128 Resp: 1752960
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.6 13.0

