

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003932.D
 Acq On : 08 Aug 2018 19:05
 Operator : JC/MD
 Sample : J4387-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

Quant Time: Aug 09 03:16:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	464524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	440499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244635	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	202638	49.47	ug/l	0.00
Spiked Amount						
			Recovery	=	98.94%	
35) Dibromofluoromethane	5.51	113	171625	48.77	ug/l	0.00
Spiked Amount						
			Recovery	=	97.54%	
50) Toluene-d8	8.72	98	669567	48.93	ug/l	0.00
Spiked Amount						
			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.14	95	250656	56.61	ug/l	0.00
Spiked Amount						
			Recovery	=	113.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1526	0.36	ug/l	93
5) Bromomethane	1.65	94	847	Below	Cal	# 80
13) Acrolein	2.39	56	18291	30.21	ug/l	# 70
14) Allyl chloride	2.84	41	44366	6.94	ug/l	# 63
15) Acrylonitrile	3.17	53	10537	4.49	ug/l	# 44
16) Acetone	2.45	43	4713	1.93	ug/l	99
17) Carbon Disulfide	2.57	76	1066	0.55	ug/l	# 90
18) Methyl Acetate	2.84	43	114487	21.58	ug/l	# 52
20) Methylene Chloride	2.86	84	1119	Below	Cal	# 1
26) 2,2-Dichloropropane	4.40	77	8866	1.76	ug/l	# 51
29) Tetrahydrofuran	5.23	42	1767	0.94	ug/l	# 1
31) Cyclohexane	5.57	56	713125	120.79	ug/l	99
36) 1,1-Dichloropropene	5.67	75	20496	3.94	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	27870	5.63	ug/l	# 14
39) Methylcyclohexane	7.46	83	355465	57.95	ug/l	99
43) Isopropyl Acetate	6.45	43	5595	0.65	ug/l	# 61
45) 1,2-Dichloropropane	7.46	63	3959	0.98	ug/l	# 1
48) Methyl methacrylate	7.73	41	12841	2.93	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.66	43	2653	0.37	ug/l	# 34
55) 1,1,2-Trichloroethane	9.16	97	21579	5.35	ug/l	# 19
56) Ethyl methacrylate	9.16	69	4678	0.80	ug/l	# 1
67) Ethyl Benzene	10.26	91	1611284	85.88	ug/l	99
68) m/p-Xylenes	10.36	106	1307293	178.32	ug/l	96
69) o-Xylene	10.70	106	725486	104.83	ug/l	95
70) Styrene	10.70	104	35396	3.12	ug/l	# 1
73) Isopropylbenzene	11.02	105	353449	19.53	ug/l	97
74) N-amyl acetate	6.45	43	5595	0.59	ug/l	# 57
76) 1,2,3-Trichloropropane	11.43	75	6307	1.17	ug/l	# 1
78) n-propylbenzene	11.36	91	226346	11.14	ug/l	99
79) 2-Chlorotoluene	11.44	91	89392	7.21	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.51	105	285018	19.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	3984	4.13	ug/l	# 60
82) 4-Chlorotoluene	11.51	91	29185	2.01	ug/l	# 45
83) tert-Butylbenzene	11.77	119	15934	1.10	ug/l	89

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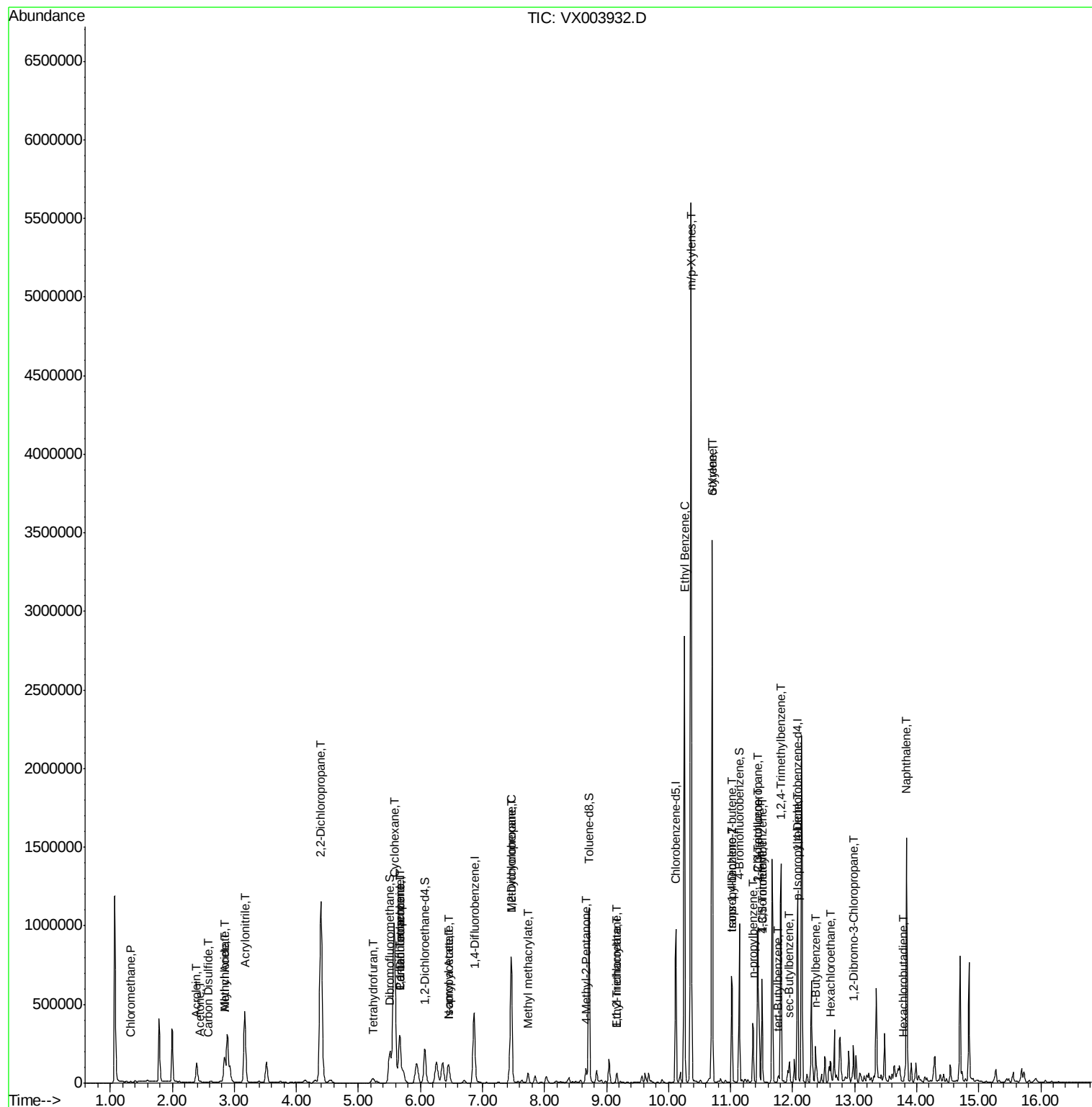
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.81	105	590085	39.77	ug/l	99
85) sec-Butylbenzene	11.95	105	70667	4.12	ug/l	100
86) p-Isopropyltoluene	12.07	119	39860	2.59	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	427	Below Cal	#	1
89) n-Butylbenzene	12.38	91	33701	2.52	ug/l	# 29
90) Hexachloroethane	12.61	117	5198	2.08	ug/l	# 4
92) 1,2-Dibromo-3-Chloropropan	12.98	75	879	0.69	ug/l	# 1
94) Hexachlorobutadiene	13.78	225	206	0.50	ug/l	# 69
95) Naphthalene	13.83	128	929060	50.99	ug/l	100

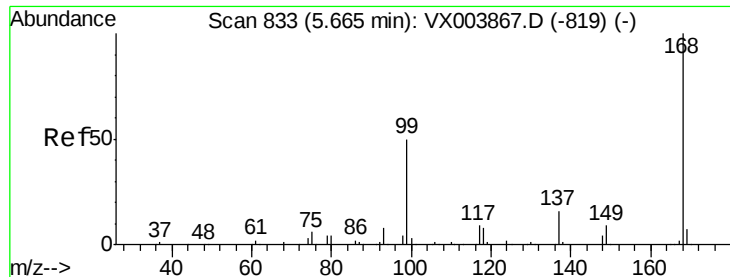
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

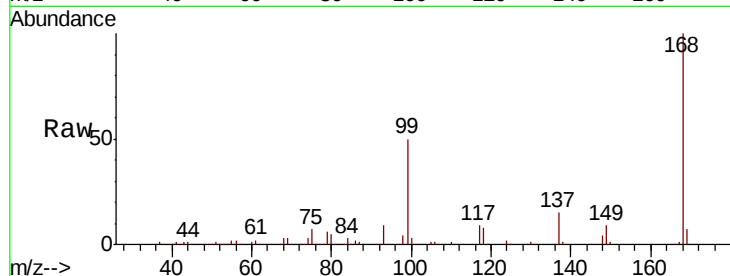
FL-0549

Tot Ion:168 Resp: 309005

Ion Ratio Lower Upper

168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

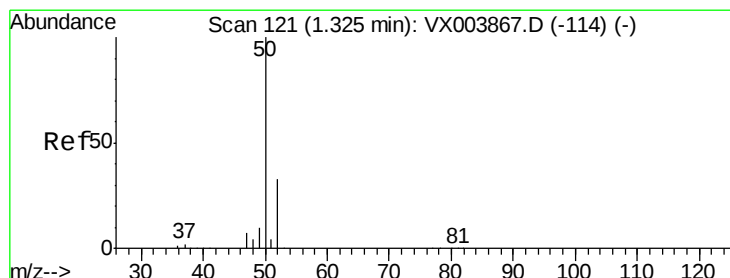
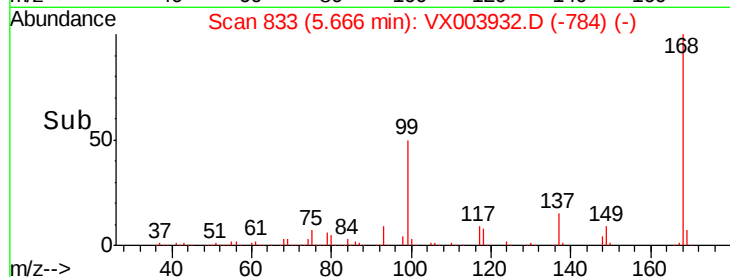
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003932.D

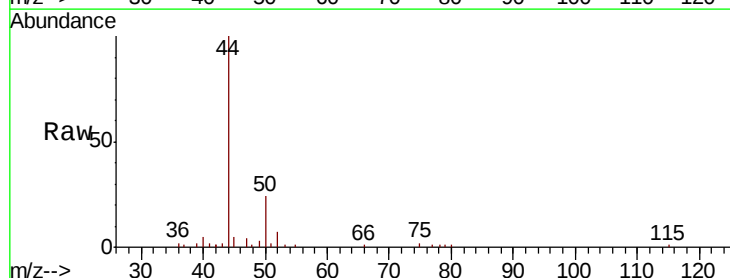
Acq: 08 Aug 2018 19:05

Tgt Ion: 50 Resp: 1526

Ion Ratio Lower Upper

50 100

52 29.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

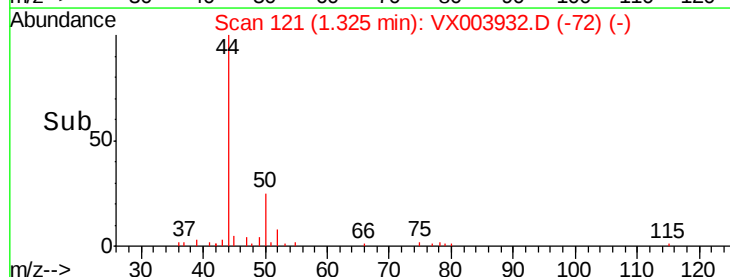
1500

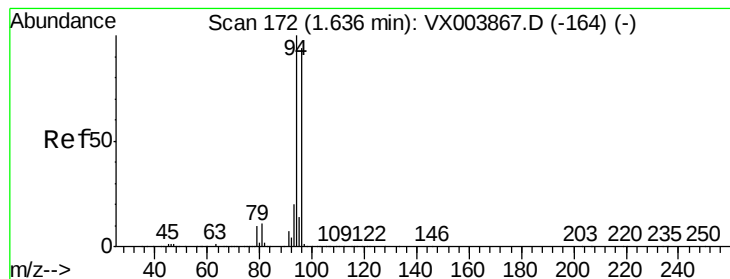
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

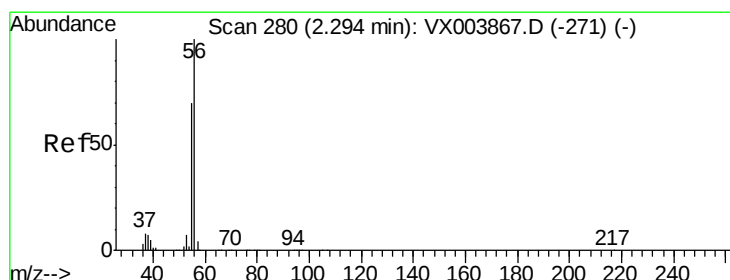
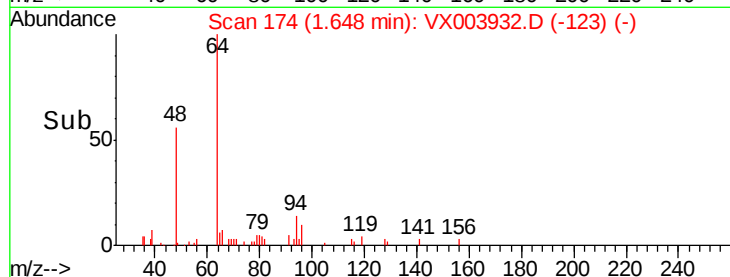
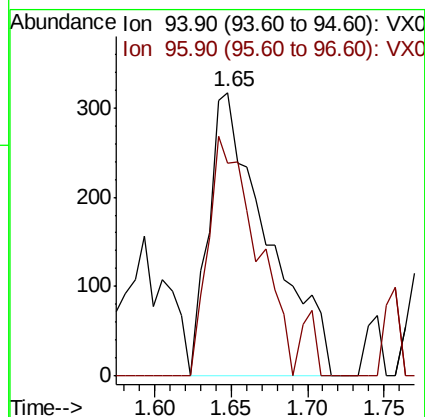
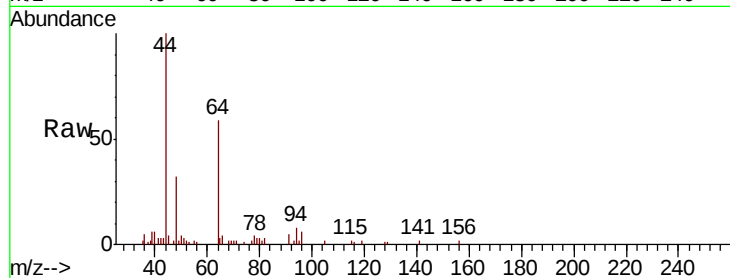
FL-0549

Tot Ion: 94 Resp: 847

Ion Ratio Lower Upper

94 100

96 75.1 75.2 112.8#



#13

Acrolein

Concen: 30.21 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.10 min

Lab File: VX003932.D

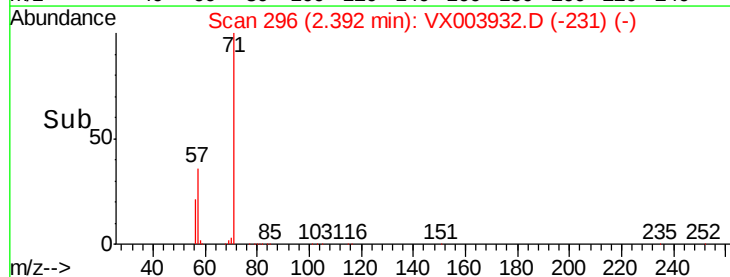
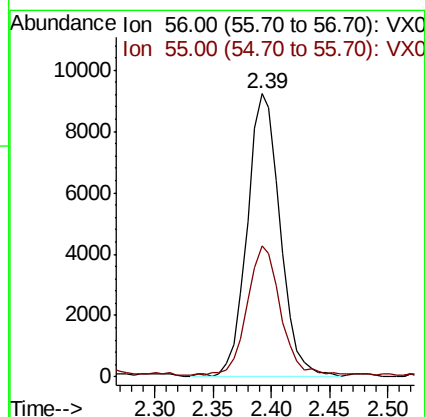
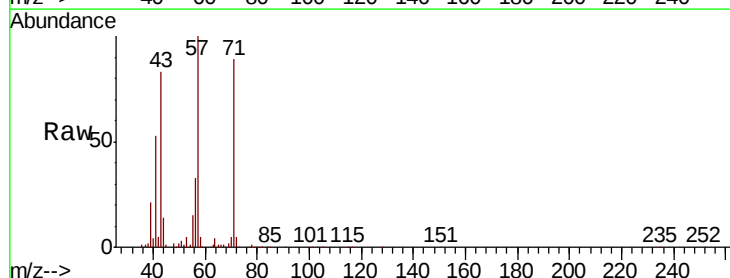
Acq: 08 Aug 2018 19:05

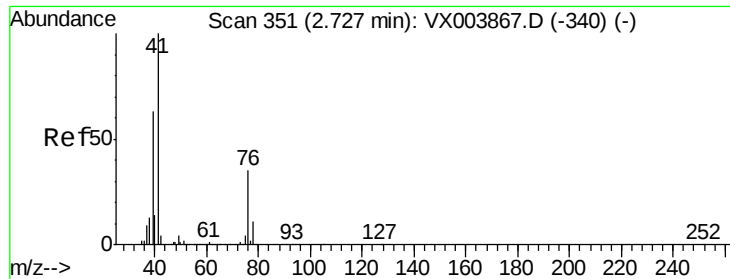
Tgt Ion: 56 Resp: 18291

Ion Ratio Lower Upper

56 100

55 45.8 56.1 84.1#





#14

Allvl chloride

Concen: 6.94 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

FL-0549

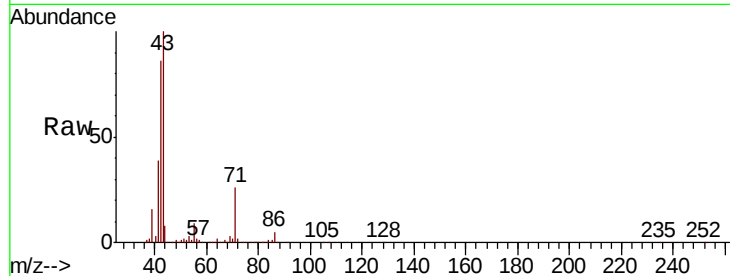
Tot Ion: 41 Resp: 44366

Ion Ratio Lower Upper

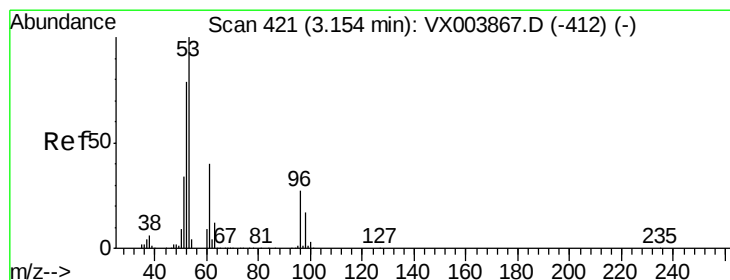
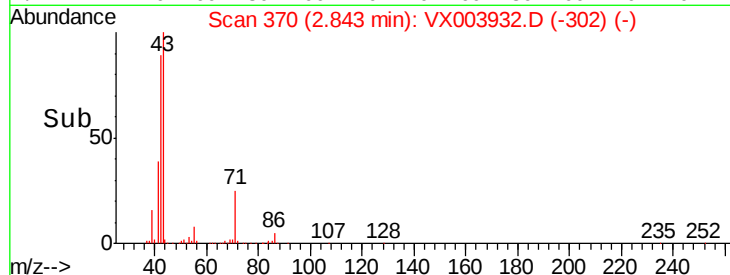
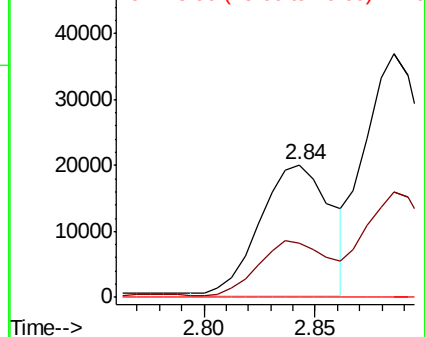
41 100

39 40.6 47.4 71.0#

76 0.0 26.0 39.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 4.49 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

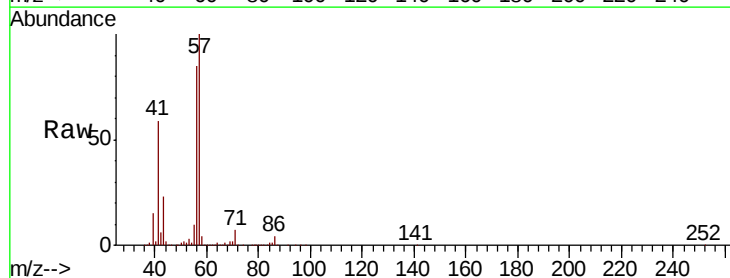
Tgt Ion: 53 Resp: 10537

Ion Ratio Lower Upper

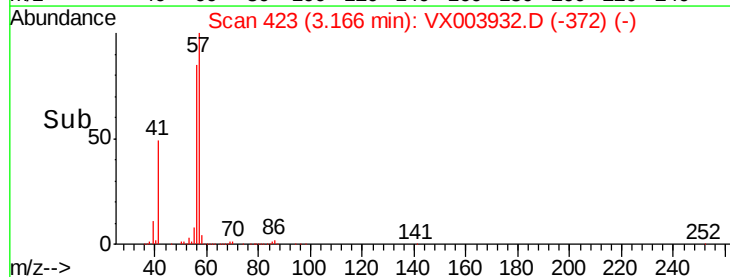
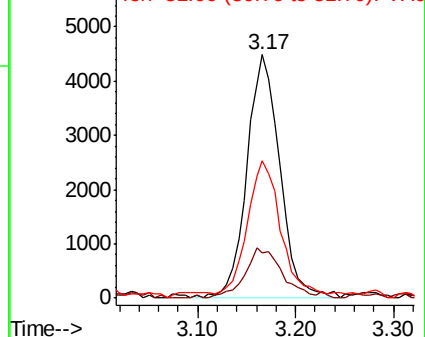
53 100

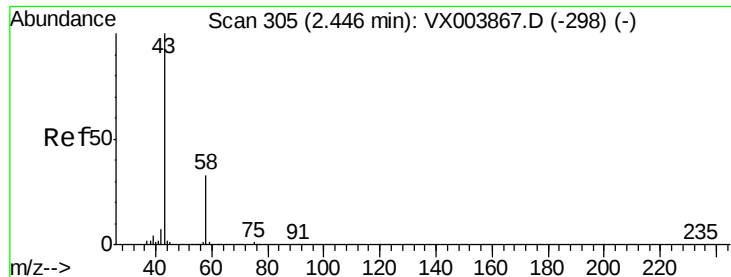
52 23.0 65.3 97.9#

51 53.6 27.9 41.9#



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





#16

Acetone

Concen: 1.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

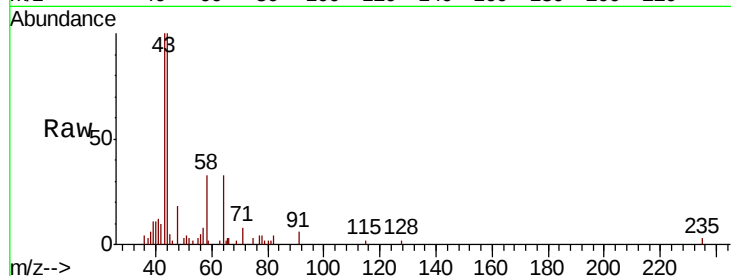
FL-0549

Tot Ion: 43 Resp: 4713

Ion Ratio Lower Upper

43 100

58 32.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

25000

20000

15000

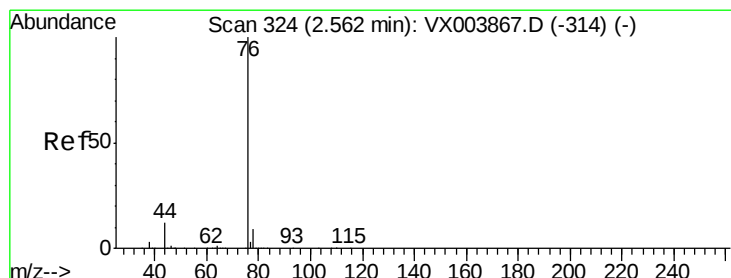
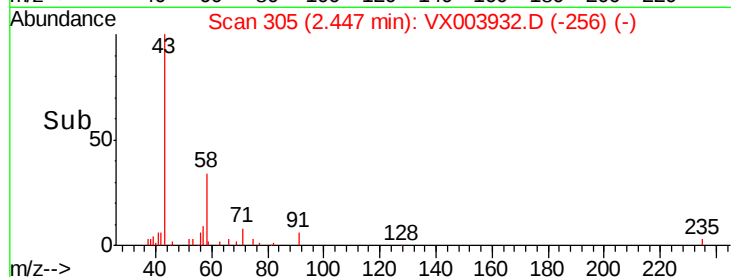
10000

5000

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.55 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003932.D

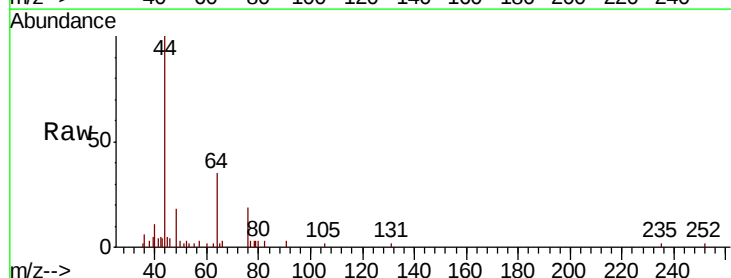
Acq: 08 Aug 2018 19:05

Tgt Ion: 76 Resp: 1066

Ion Ratio Lower Upper

76 100

78 5.7 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600

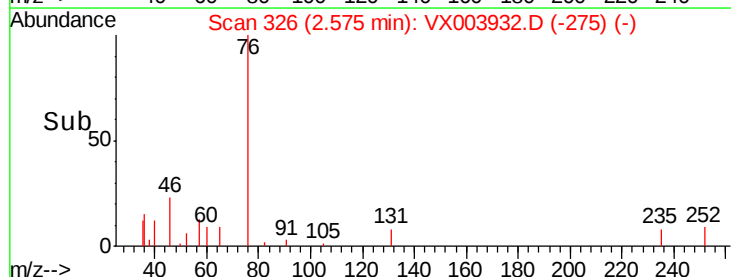
400

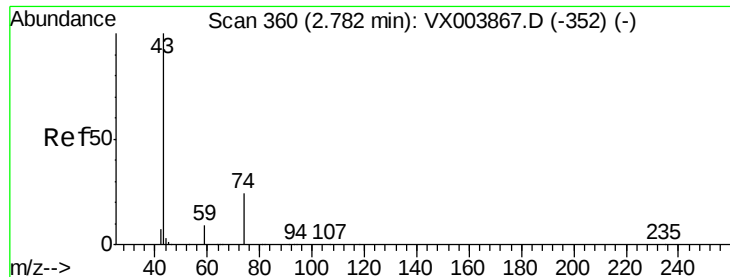
200

0

2.50 2.55 2.60

Time-->

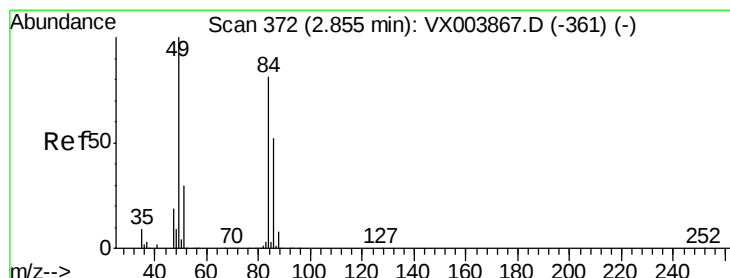
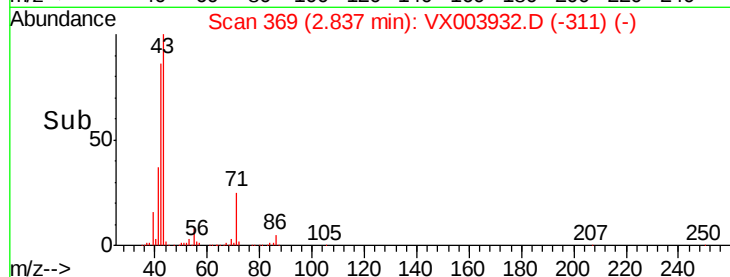
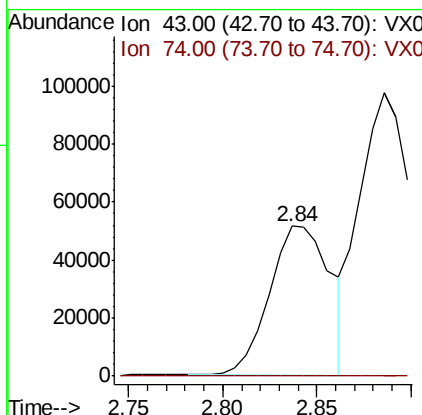
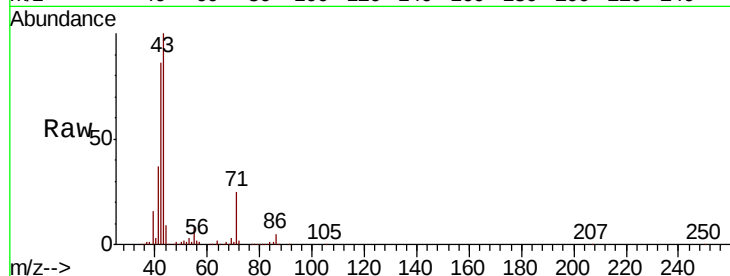




#18
Methyl Acetate
Concen: 21.58 ug/l
RT: 2.84 min Scan# 369
Delta R.T. 0.06 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

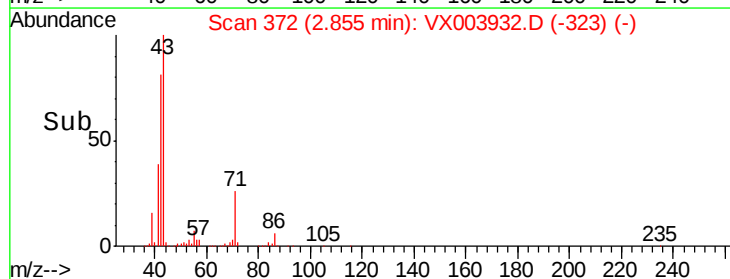
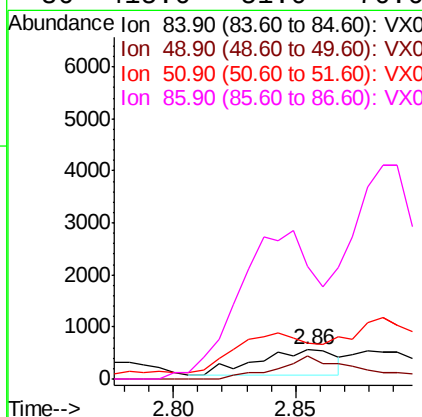
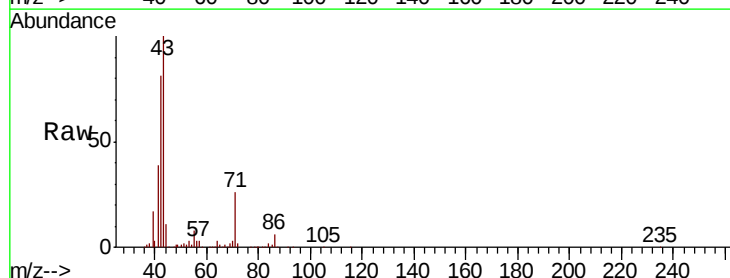
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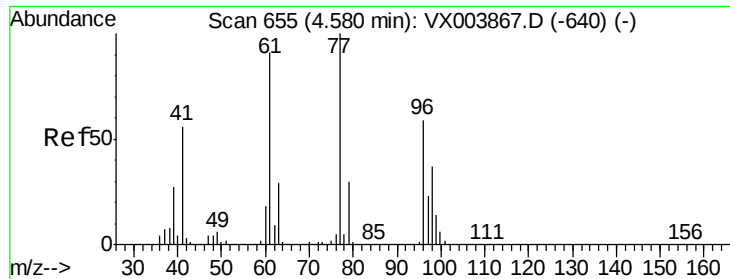
Tot Ion: 43 Resp: 114487
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion: 84 Resp: 1119
Ion Ratio Lower Upper
84 100
49 88.5 98.9 148.3#
51 115.8 29.9 44.9#
86 415.6 51.0 76.6#





#26

2,2-Dichloropropane

Concen: 1.76 ug/l

RT: 4.40 min Scan# 625

Delta R.T. -0.18 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

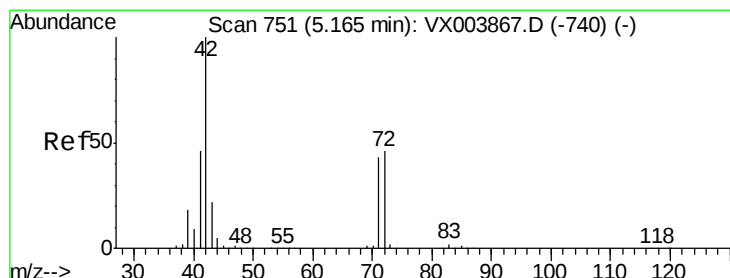
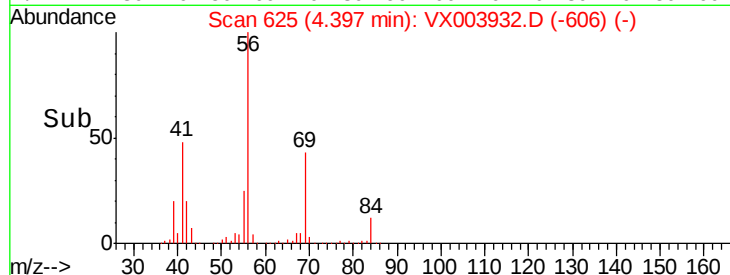
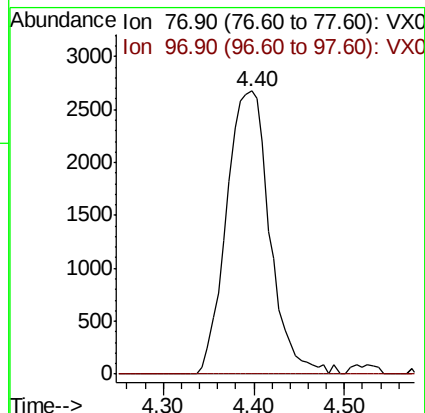
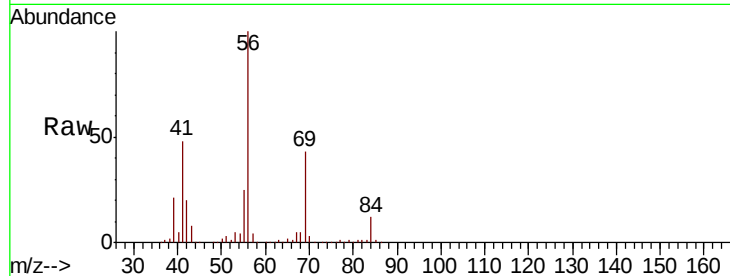
FL-0549

Tot Ion: 77 Resp: 8866

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#



#29

Tetrahydrofuran

Concen: 0.94 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.07 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

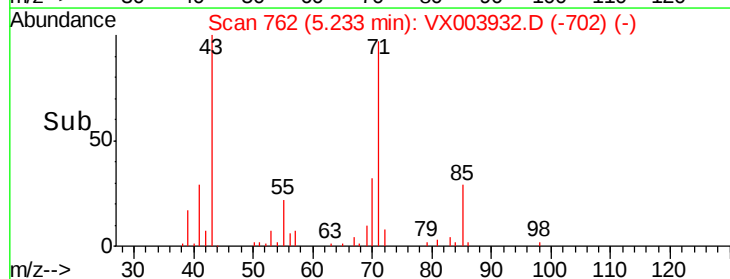
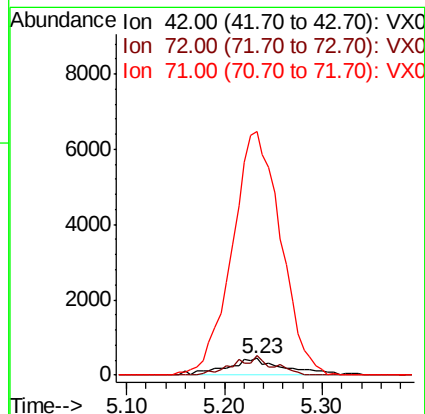
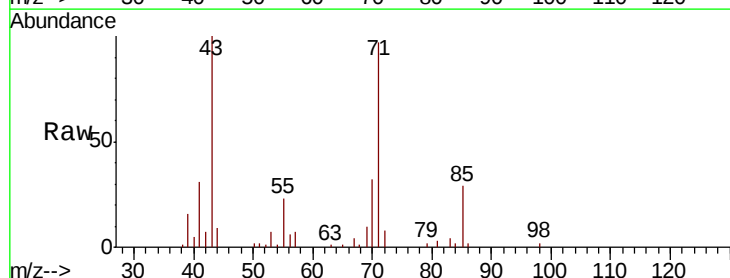
Tgt Ion: 42 Resp: 1767

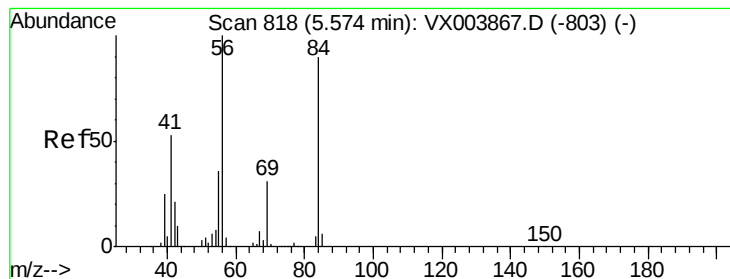
Ion Ratio Lower Upper

42 100

72 82.0 37.7 56.5#

71 1263.3 35.0 52.6#





#31

Cyclohexane

Concen: 120.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

FL-0549

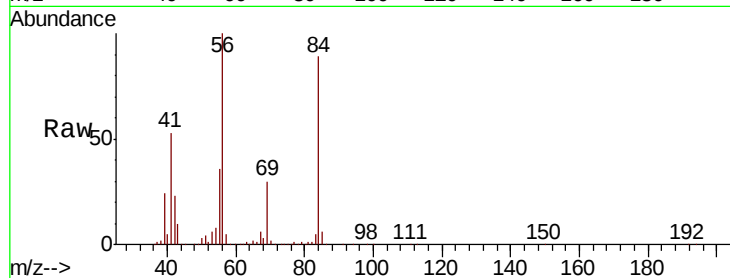
Tot Ion: 56 Resp: 713125

Ion Ratio Lower Upper

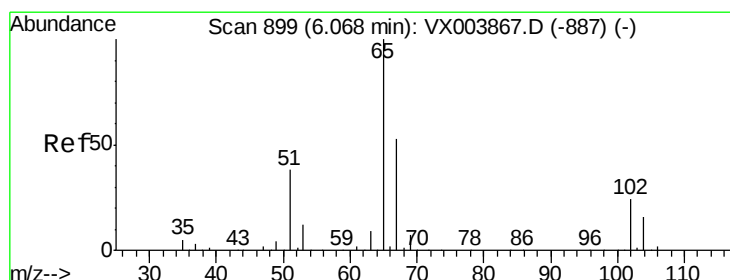
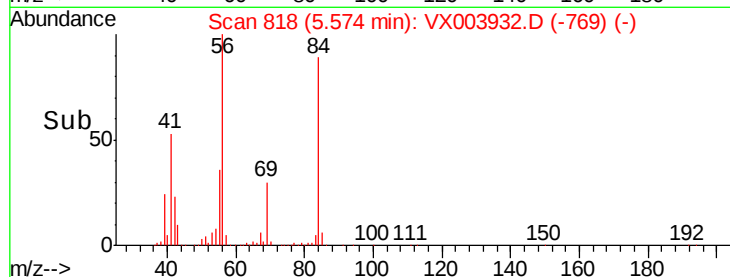
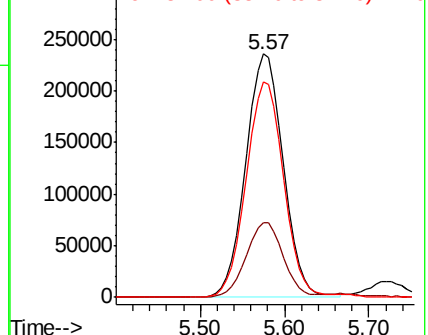
56 100

69 30.4 24.9 37.3

84 88.6 71.7 107.5



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



#33

1,2-Dichloroethane-d4

Concen: 49.47 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003932.D

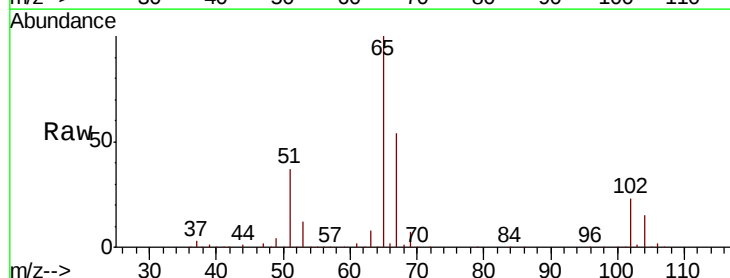
Acq: 08 Aug 2018 19:05

Tgt Ion: 65 Resp: 202638

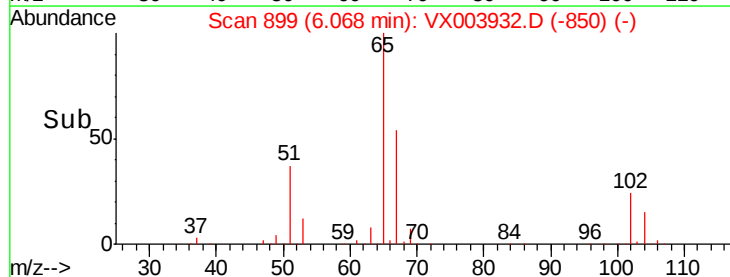
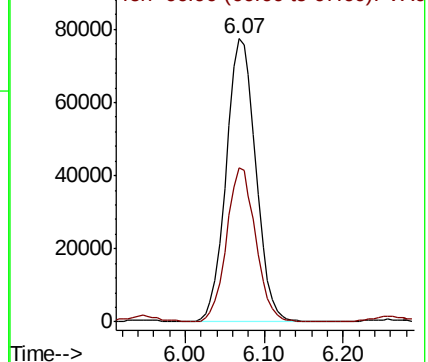
Ion Ratio Lower Upper

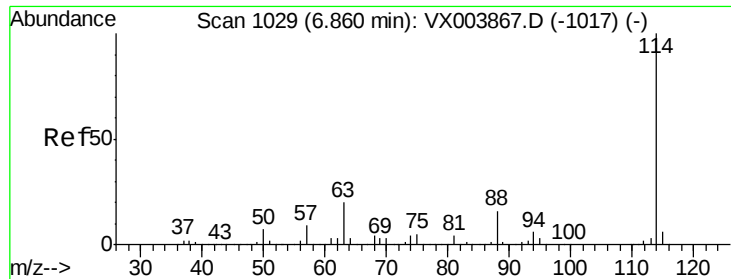
65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

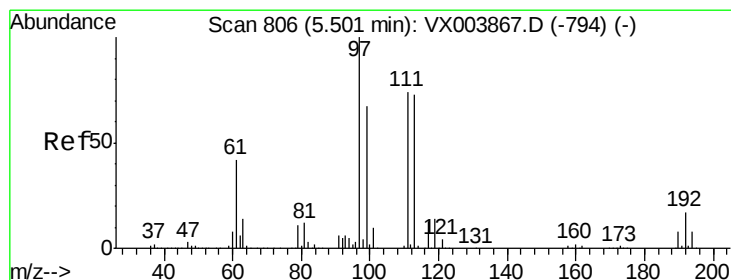
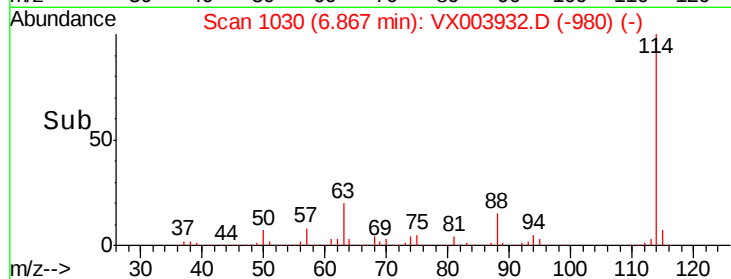
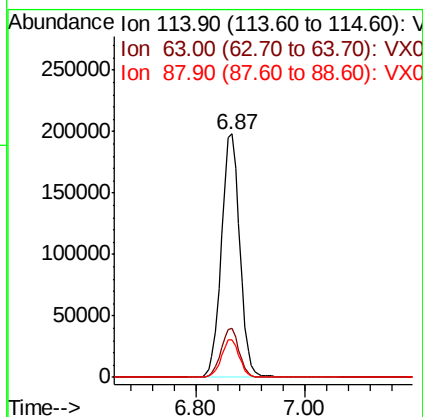
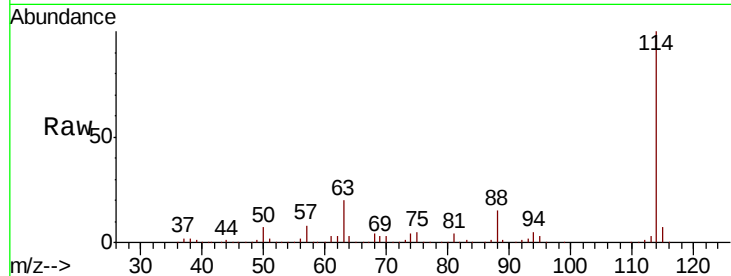




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

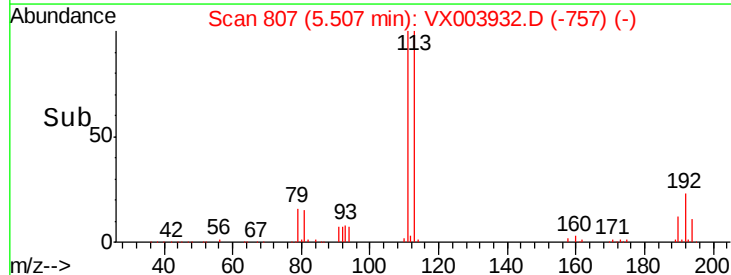
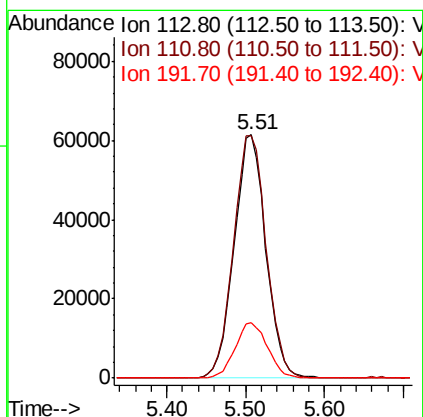
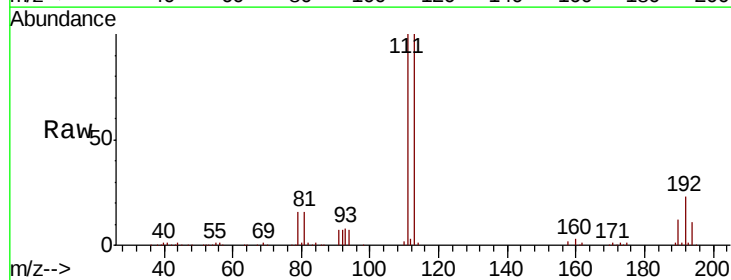
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0549

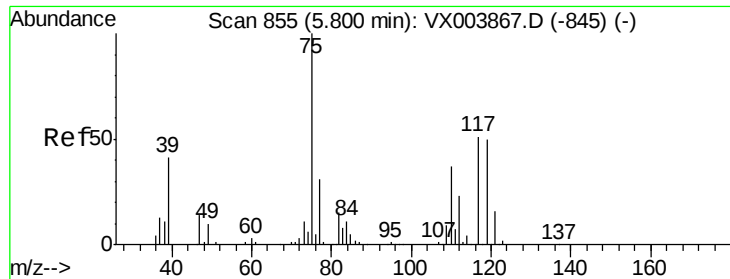
Tot Ion:114 Resp: 464524
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.5 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 48.77 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion:113 Resp: 171625
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 23.3 19.0 28.4

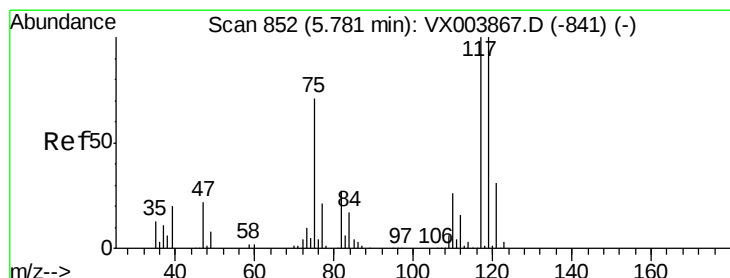
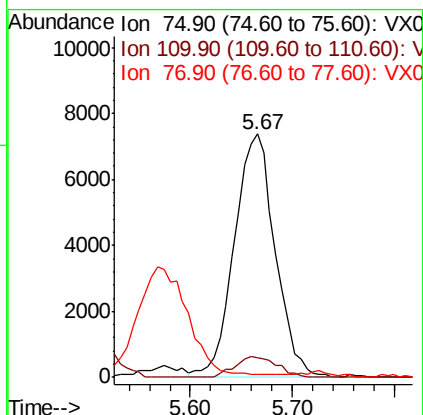
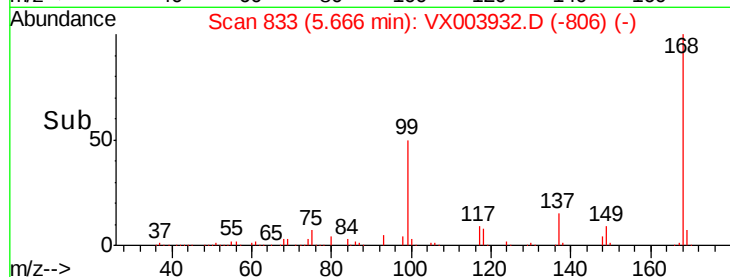
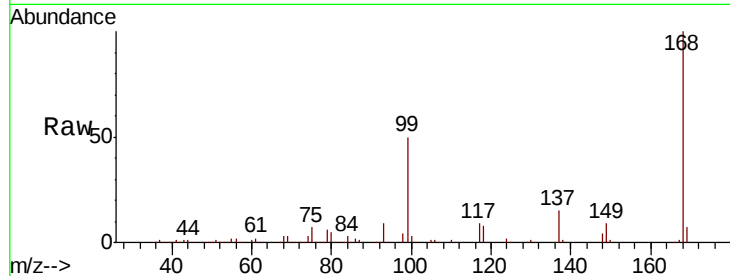




#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

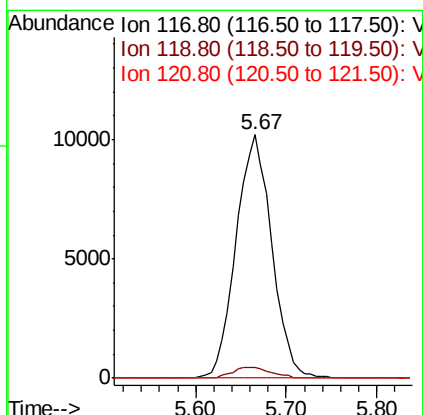
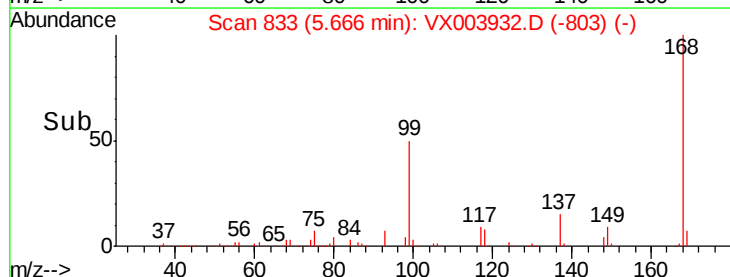
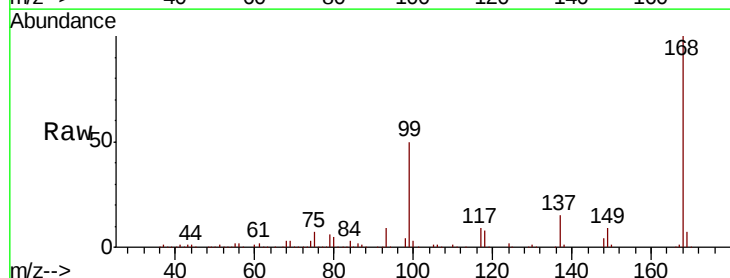
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

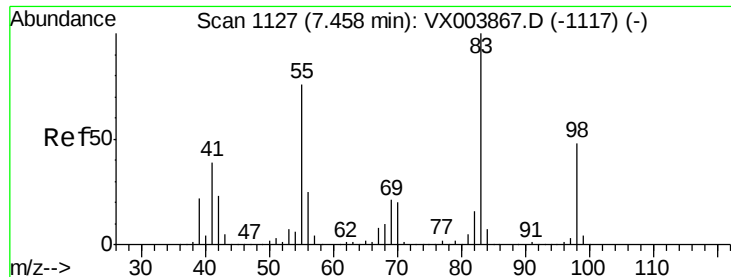
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	79.5	119.3#
121	0.0	25.0	37.4#

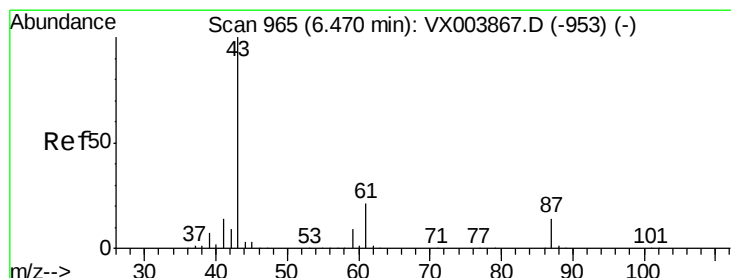
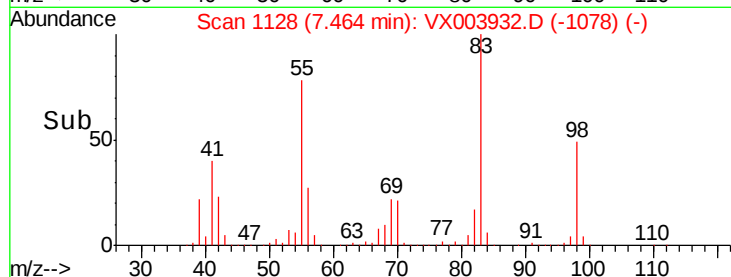
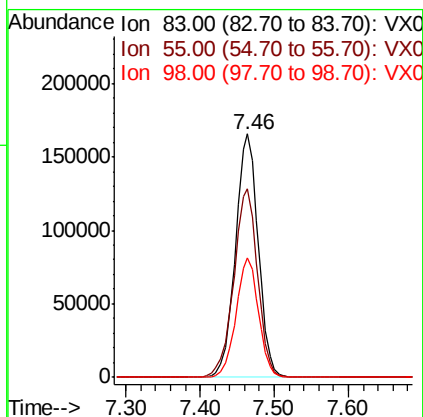
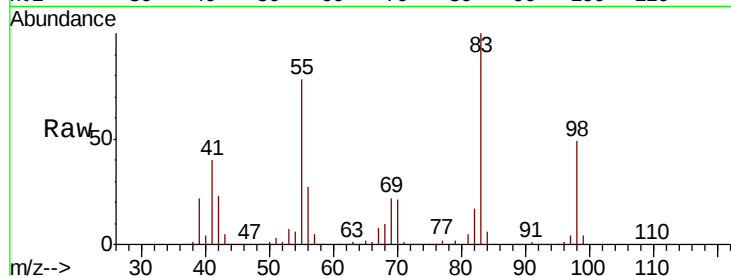




#39
Methvlcvclohexane
Concen: 57.95 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

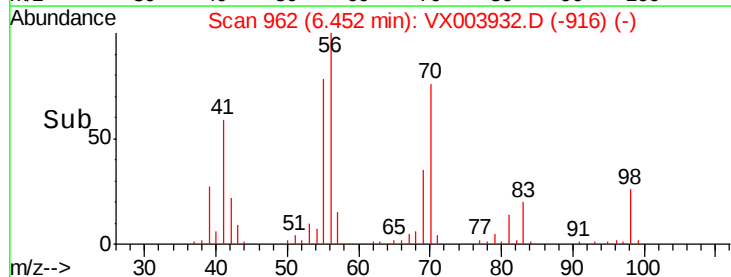
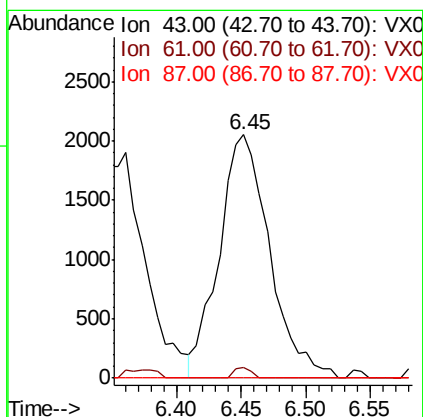
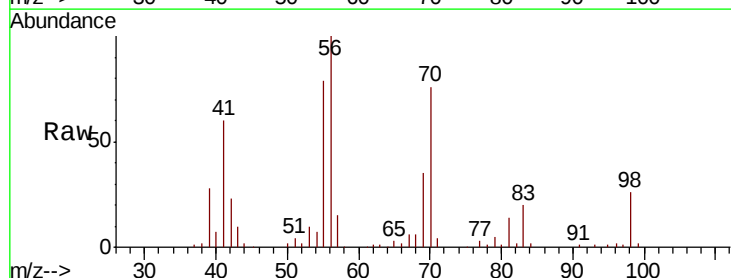
Instrument :
MSVOA_X
ClientSampleId :
FL-0549

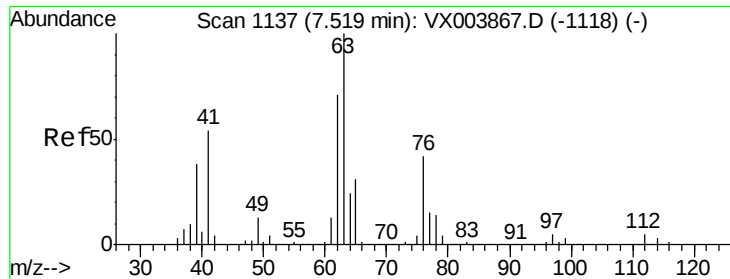
Tot Ion: 83 Resp: 355465
Ion Ratio Lower Upper
83 100
55 77.6 61.0 91.6
98 48.9 38.6 57.8



#43
Isopropyl Acetate
Concen: 0.65 ug/l
RT: 6.45 min Scan# 962
Delta R.T. -0.02 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion: 43 Resp: 5595
Ion Ratio Lower Upper
43 100
61 1.4 16.9 25.3#
87 0.0 11.3 16.9#

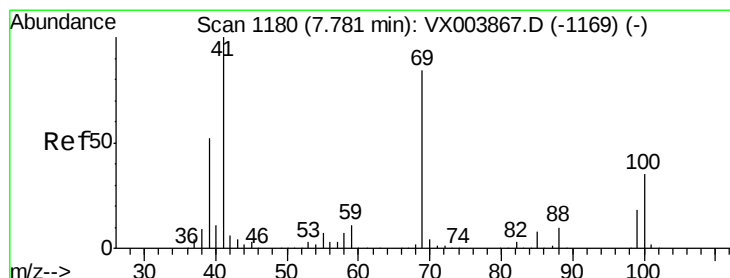
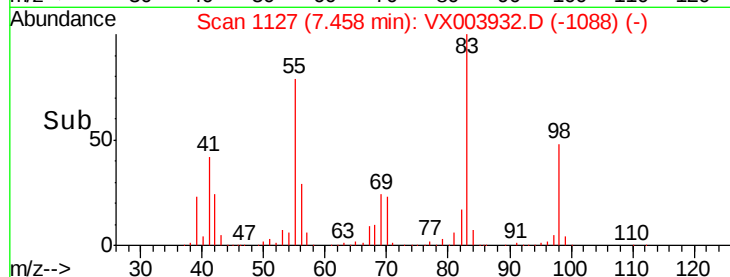
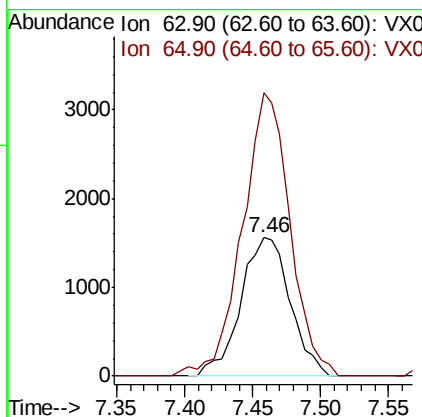
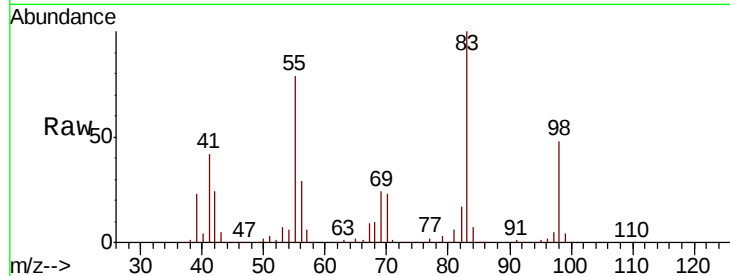




#45
 1,2-Dichloropropane
 Concen: 0.98 ug/l
 RT: 7.46 min Scan# 1127
 Delta R.T. -0.06 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

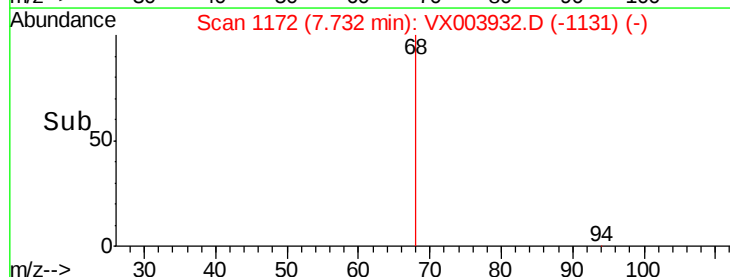
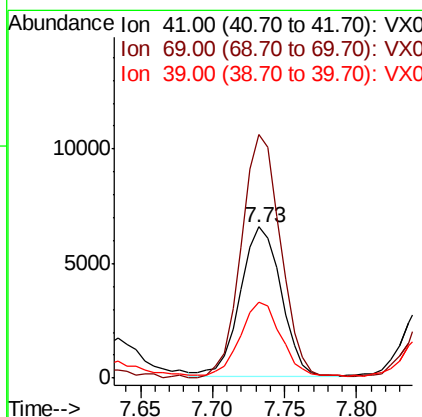
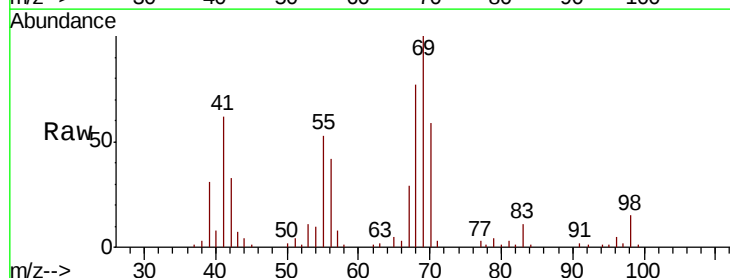
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0549

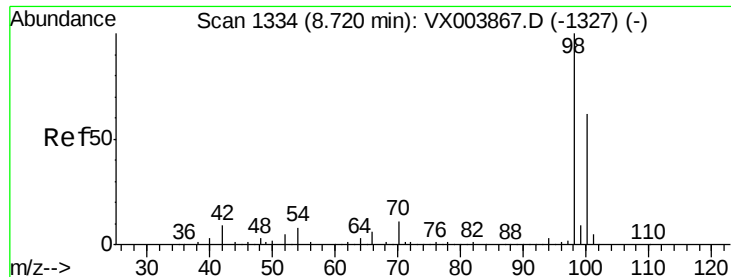
Tot Ion: 63 Resp: 3959
 Ion Ratio Lower Upper
 63 100
 65 204.9 24.6 36.8#



#48
 Methyl methacrylate
 Concen: 2.93 ug/l
 RT: 7.73 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion: 41 Resp: 12841
 Ion Ratio Lower Upper
 41 100
 69 157.9 68.8 103.2#
 39 48.8 42.3 63.5





#50

Toluene-d8

Concen: 48.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

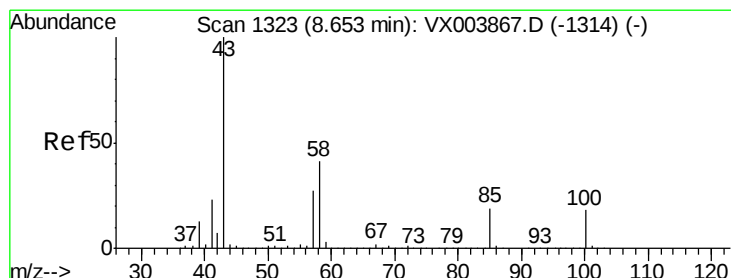
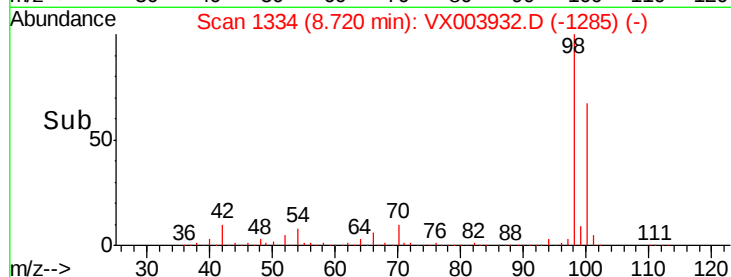
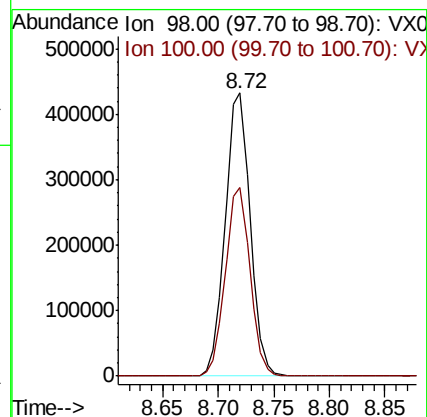
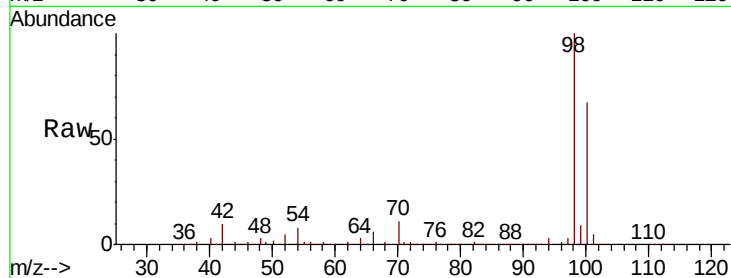
FL-0549

Tot Ion: 98 Resp: 669567

Ion Ratio Lower Upper

98 100

100 66.5 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 0.37 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX003932.D

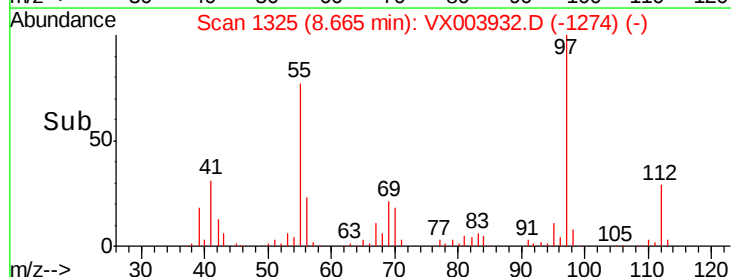
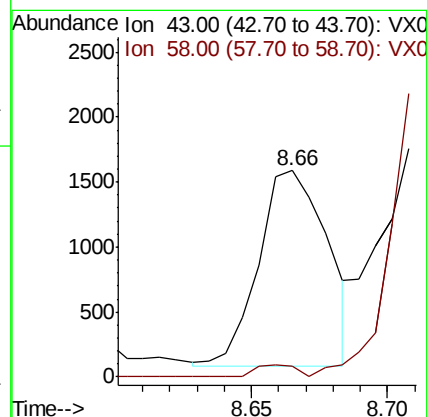
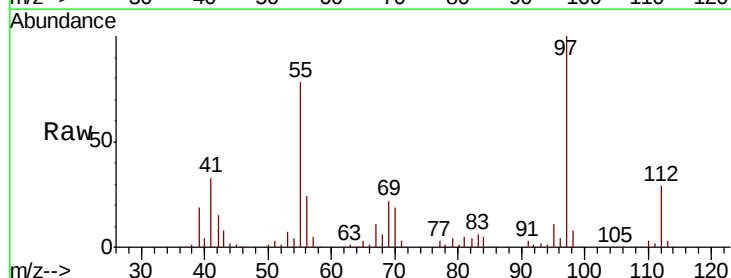
Acq: 08 Aug 2018 19:05

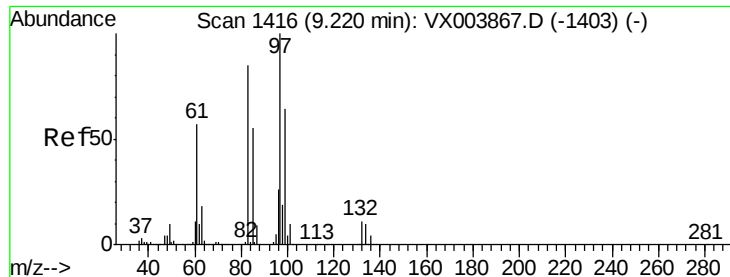
Tgt Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

58 0.0 33.0 49.6#

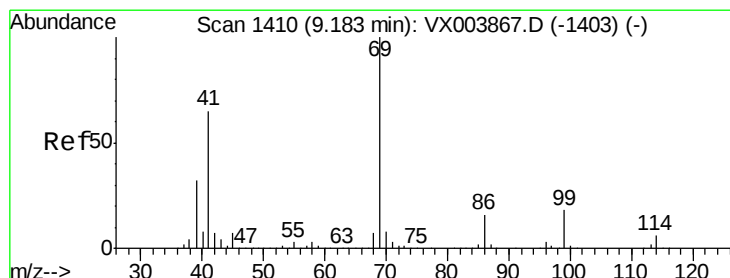
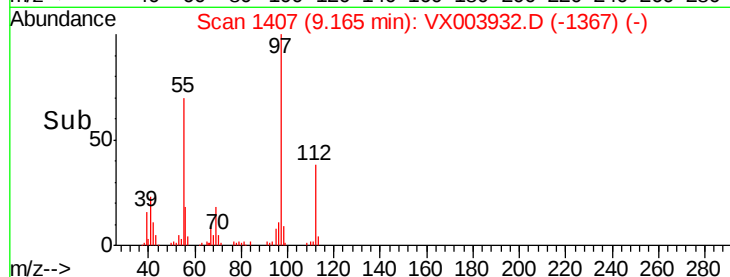
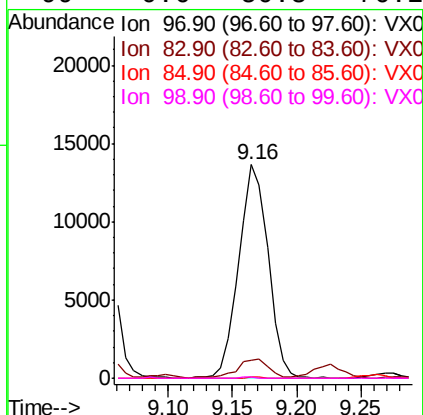
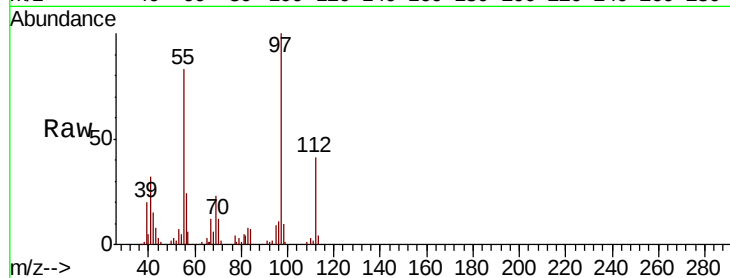




#55
 1,1,2-Trichloroethane
 Concen: 5.35 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

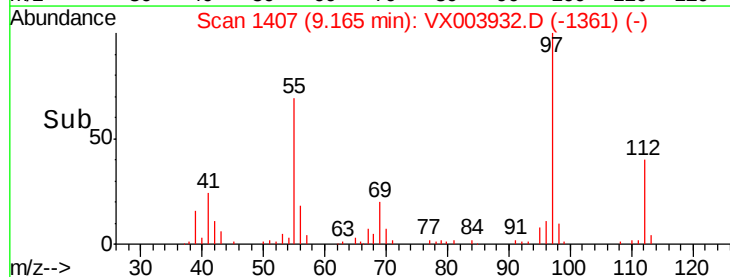
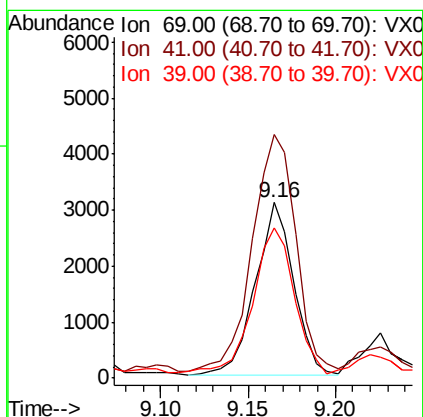
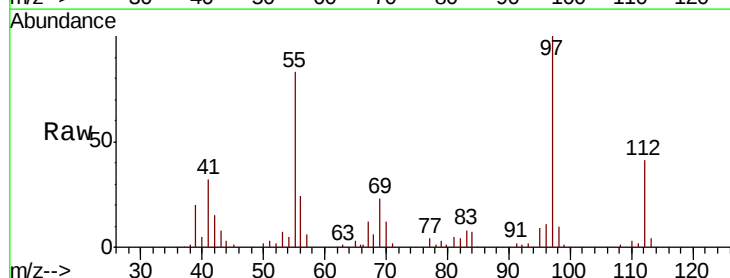
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

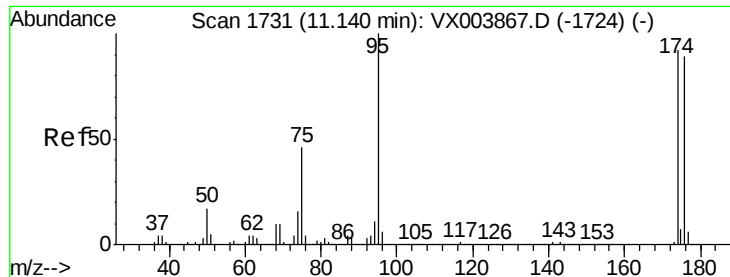
Tot Ion:	97	Resp:	21579
Ion	Ratio	Lower	Upper
97	100		
83	8.3	67.8	101.6#
85	0.4	44.2	66.2#
99	0.6	50.8	76.2#



#56
 Ethyl methacrylate
 Concen: 0.80 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion:	69	Resp:	4678
Ion	Ratio	Lower	Upper
69	100		
41	155.8	50.6	76.0#
39	90.8	25.8	38.6#





#62

4-Bromofluorobenzene

Concen: 56.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

FL-0549

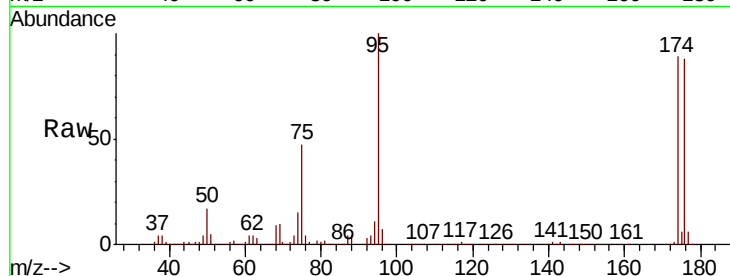
Tot Ion: 95 Resp: 250656

Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

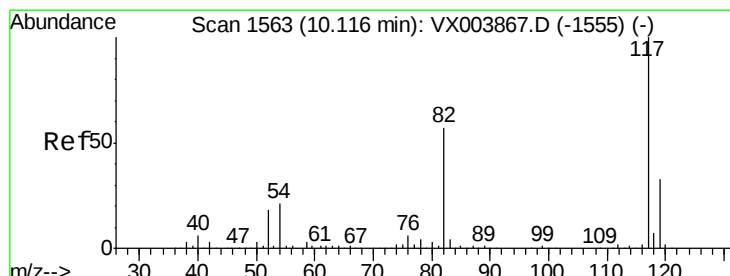
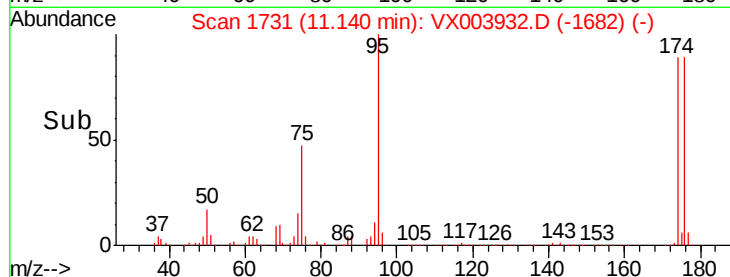
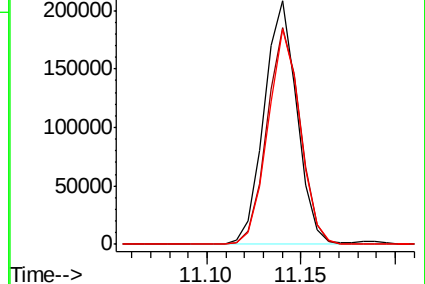
176 87.5 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX003867.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003867.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003867.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

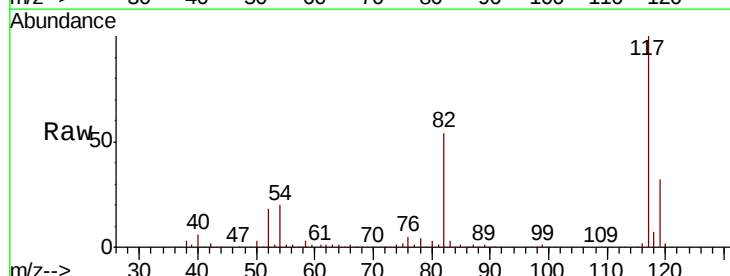
Tgt Ion: 117 Resp: 440499

Ion Ratio Lower Upper

117 100

82 53.6 45.4 68.0

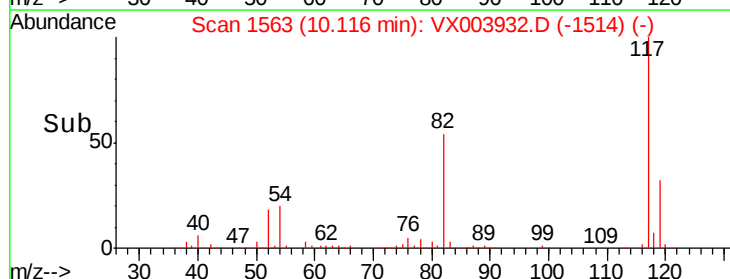
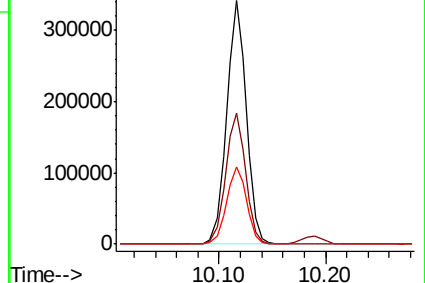
119 31.9 26.6 40.0

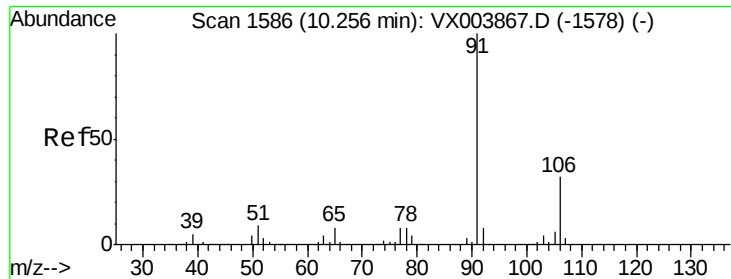


Abundance Ion 116.90 (116.60 to 117.60): VX003867.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX003867.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX003867.D (-1555) (-)

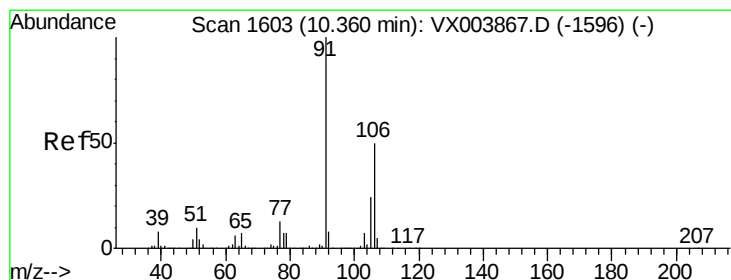
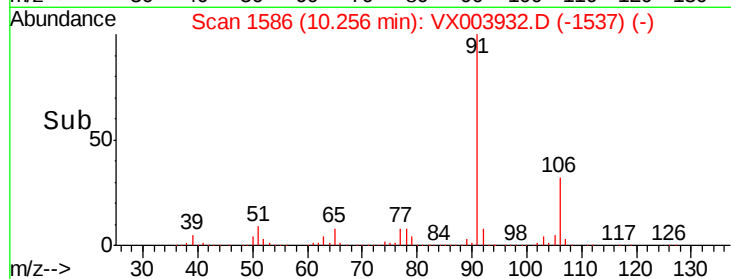
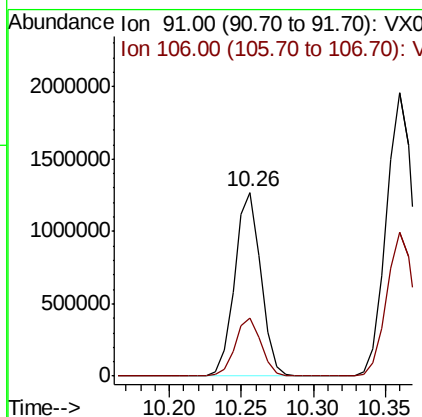
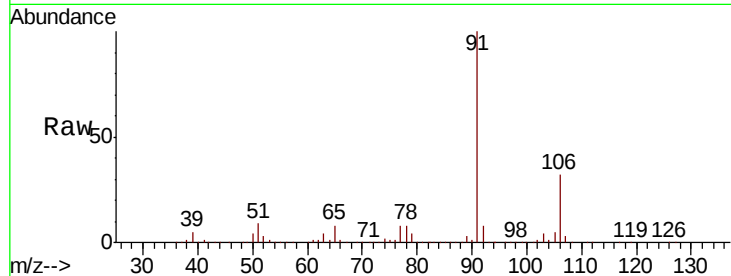




#67
Ethyl Benzene
Concen: 85.88 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

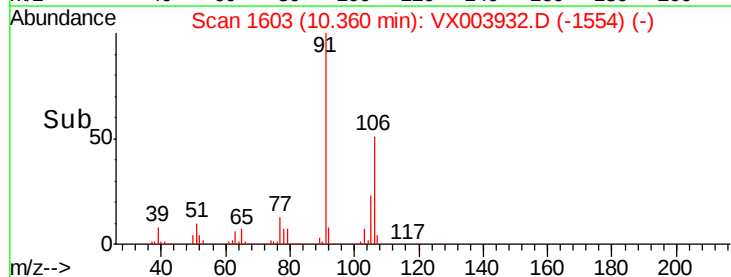
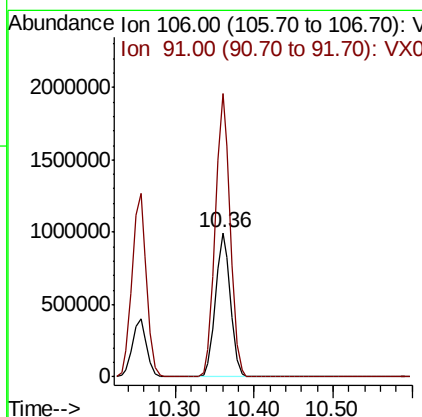
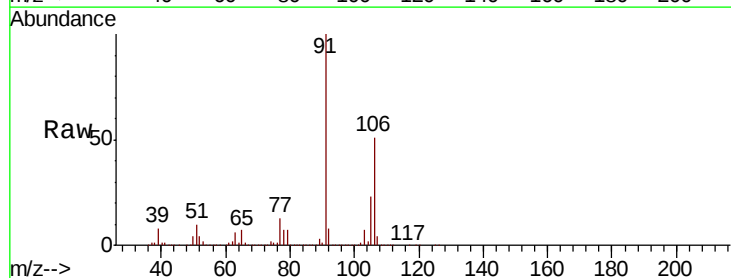
Instrument :
MSVOA_X
ClientSampled :
FL-0549

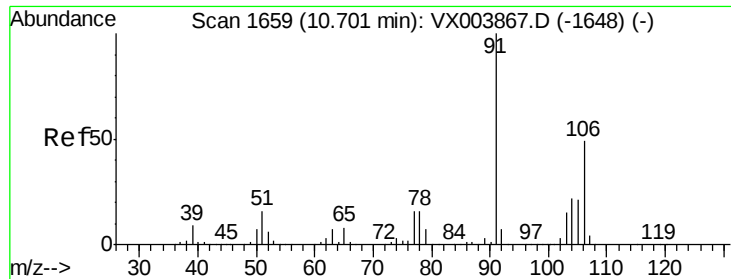
Tot Ion: 91 Resp: 1611284
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 178.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion: 106 Resp: 1307293
Ion Ratio Lower Upper
106 100
91 196.8 162.3 243.5

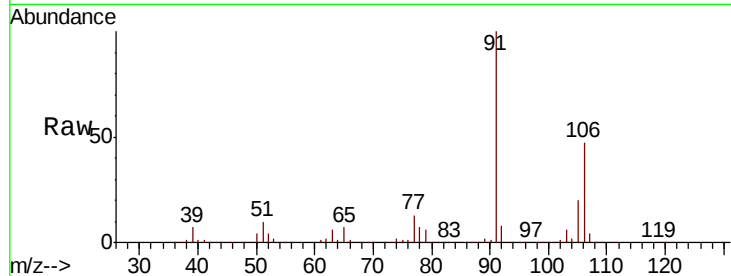




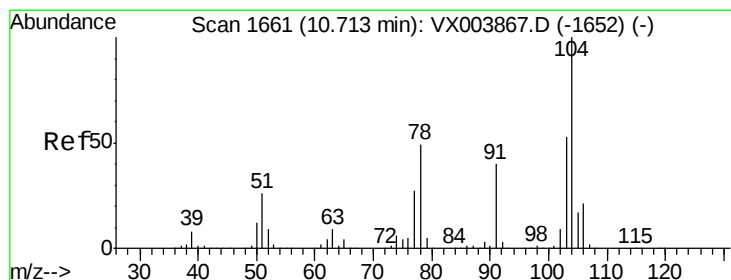
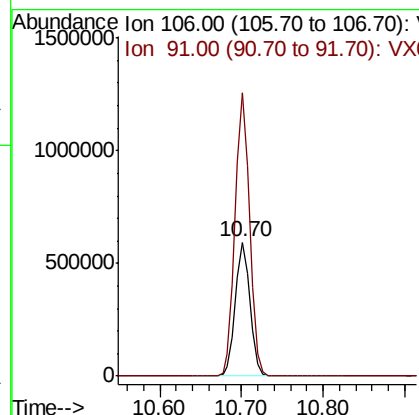
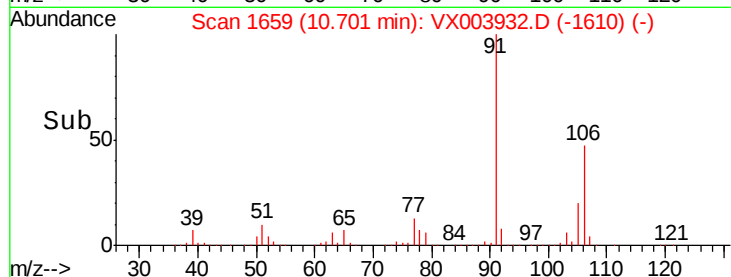
#69
o-Xylene
Concen: 104.83 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
FL-0549

Tot Ion:106 Resp: 725486
Ion Ratio Lower Upper
106 100
91 211.2 101.9 305.7

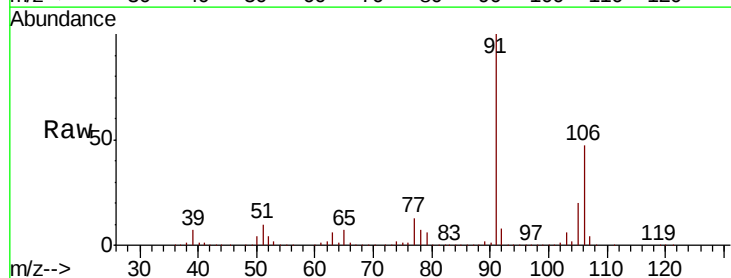


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

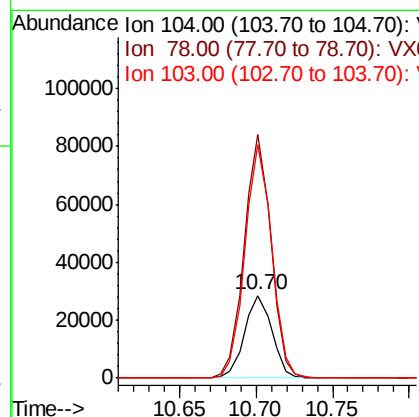
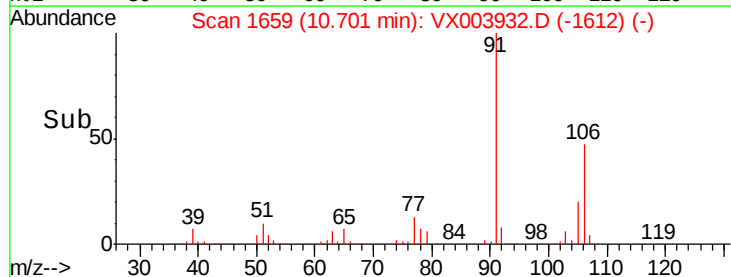


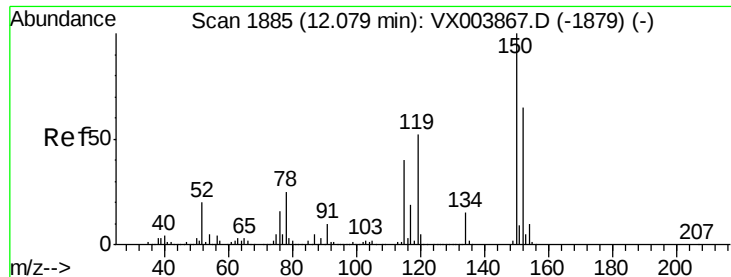
#70
Styrene
Concen: 3.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion:104 Resp: 35396
Ion Ratio Lower Upper
104 100
78 287.9 39.8 59.6#
103 277.9 44.3 66.5#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

FL-0549

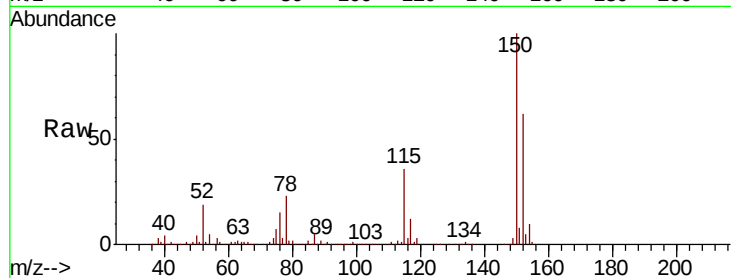
Tot Ion:152 Resp: 244635

Ion Ratio Lower Upper

152 100

115 57.9 39.1 117.3

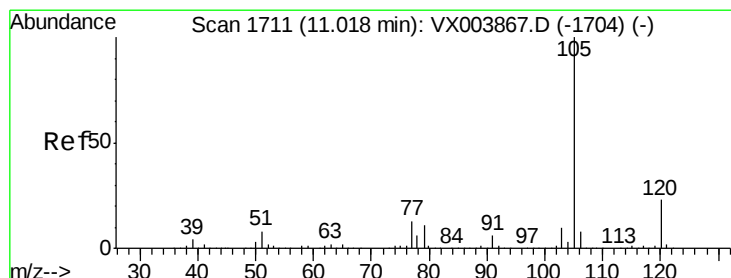
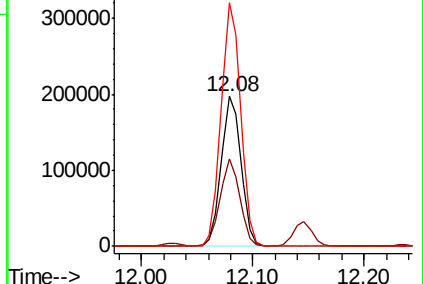
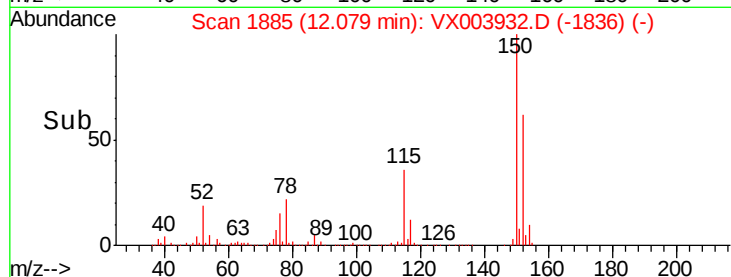
150 160.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 19.53 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003932.D

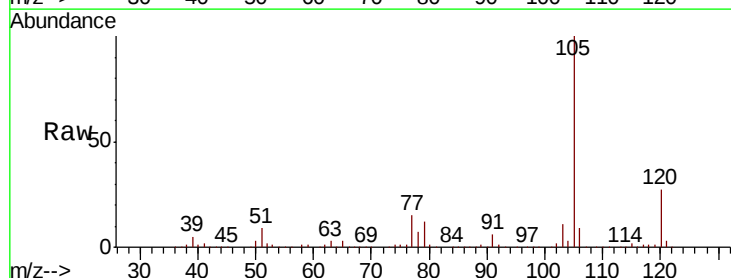
Acq: 08 Aug 2018 19:05

Tgt Ion:105 Resp: 353449

Ion Ratio Lower Upper

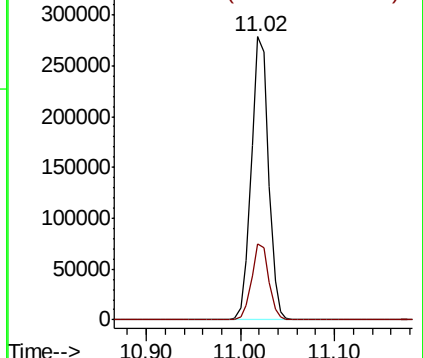
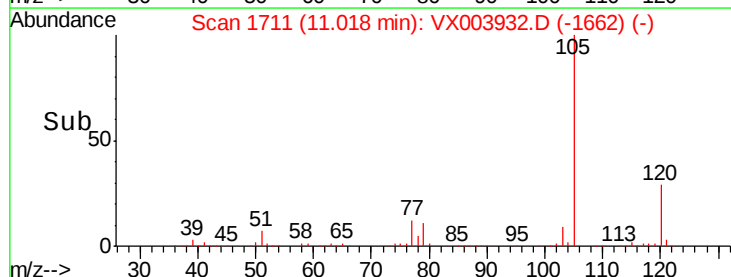
105 100

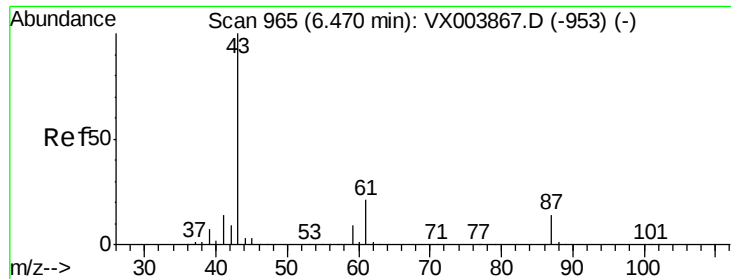
120 26.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.59 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

FL-0549

Tot Ion: 43 Resp: 5595

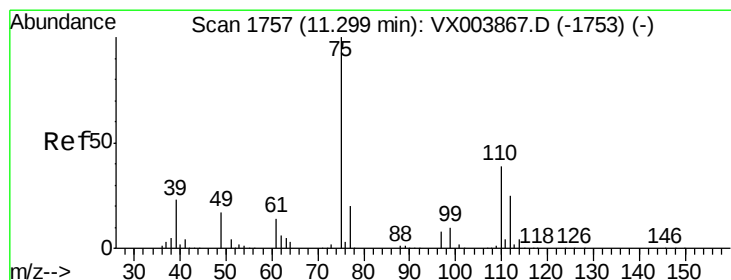
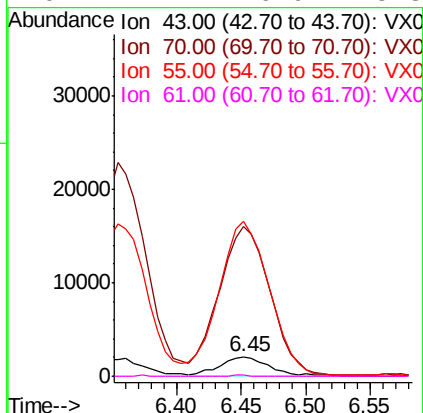
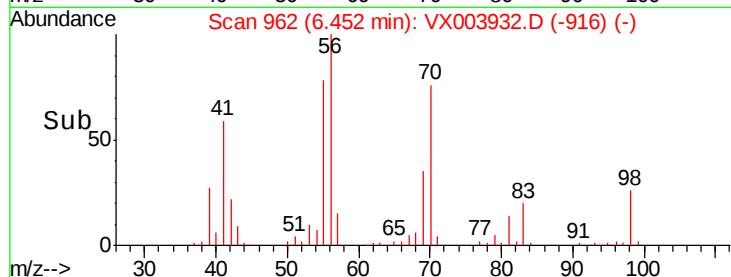
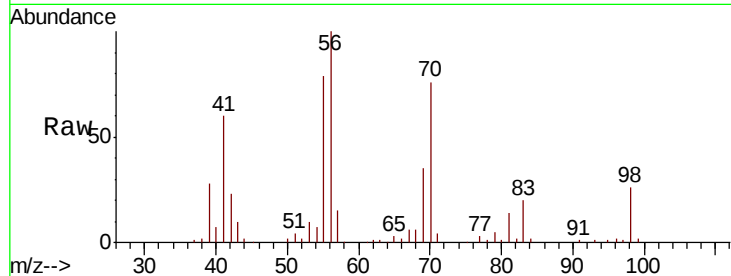
Ion Ratio Lower Upper

43 100

70 777.5 0.0 0.0#

55 801.0 0.1 0.1#

61 1.4 16.9 25.3#



#76

1,2,3-Trichloropropane

Concen: 1.17 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.13 min

Lab File: VX003932.D

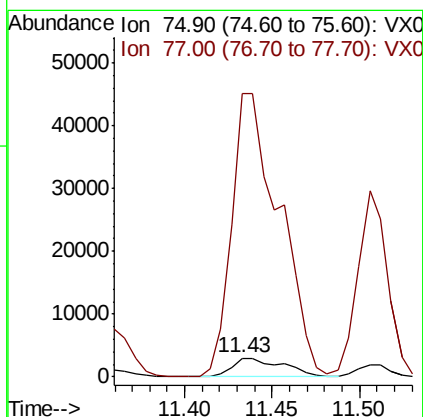
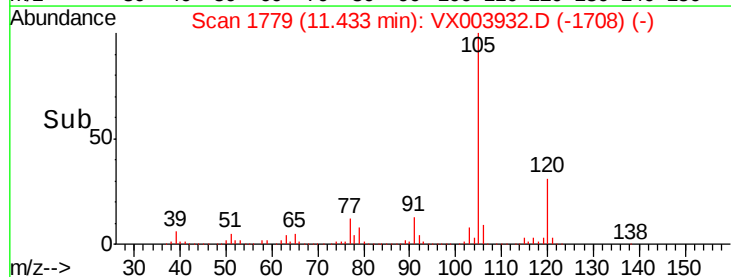
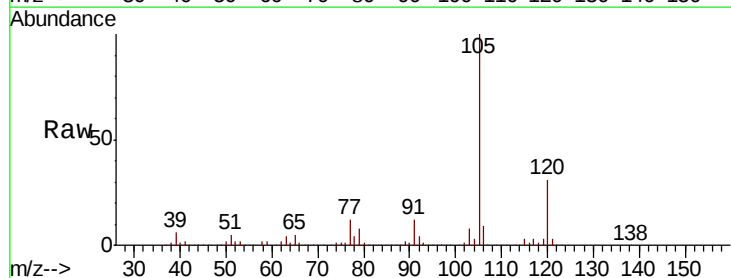
Acq: 08 Aug 2018 19:05

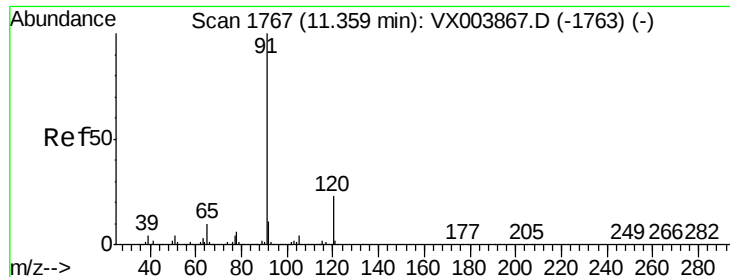
Tgt Ion: 75 Resp: 6307

Ion Ratio Lower Upper

75 100

77 1352.5 20.8 62.5#





#78

n-propylbenzene

Concen: 11.14 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

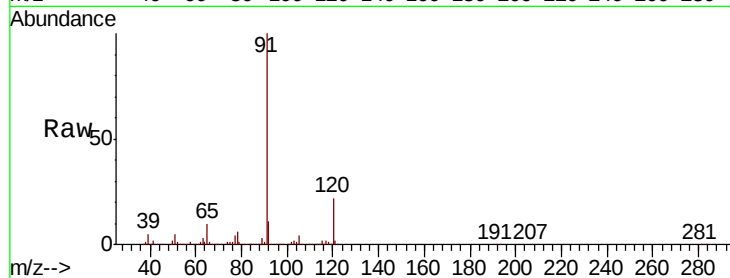
FL-0549

Tot Ion: 91 Resp: 226346

Ion Ratio Lower Upper

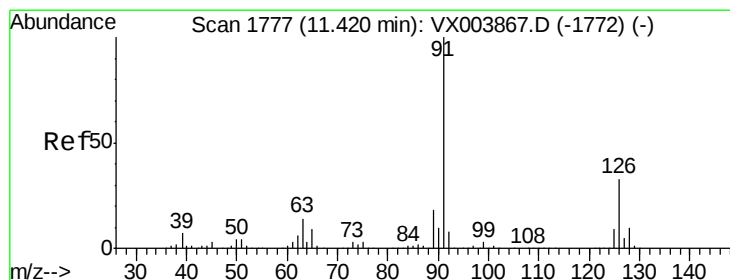
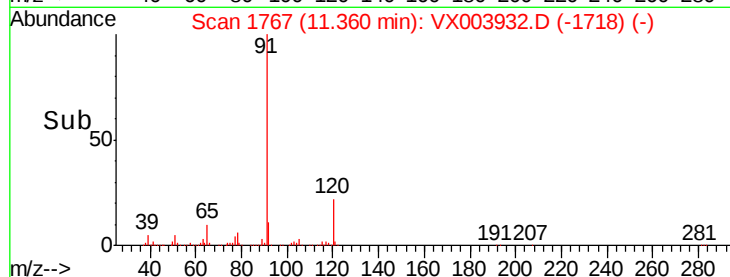
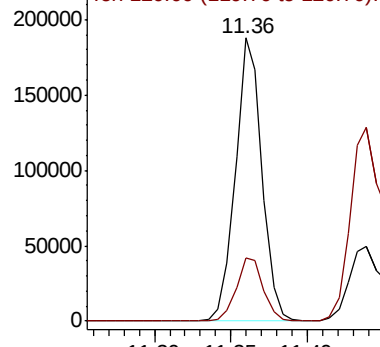
91 100

120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 7.21 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003932.D

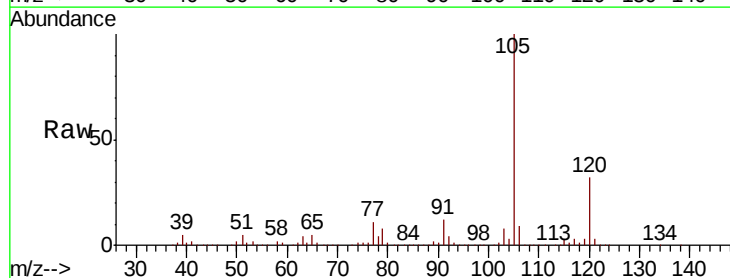
Acq: 08 Aug 2018 19:05

Tgt Ion: 91 Resp: 89392

Ion Ratio Lower Upper

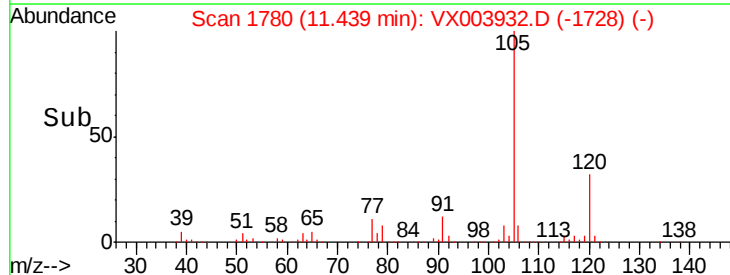
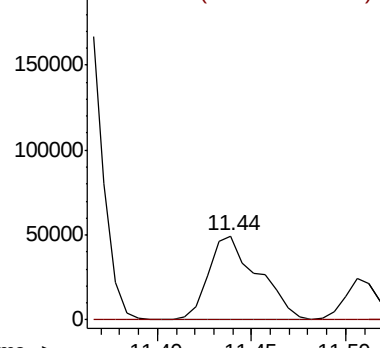
91 100

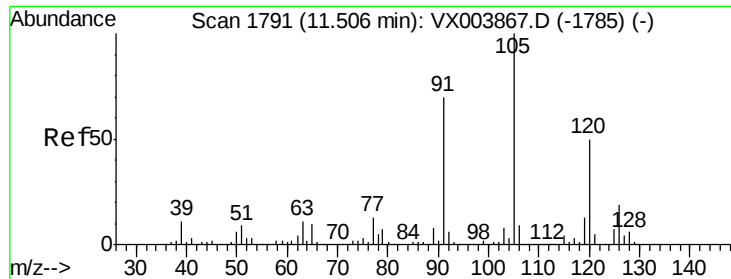
126 0.1 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

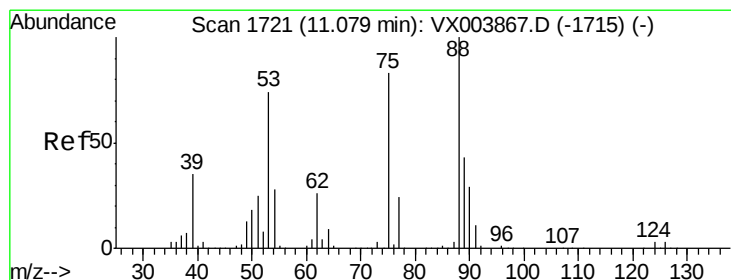
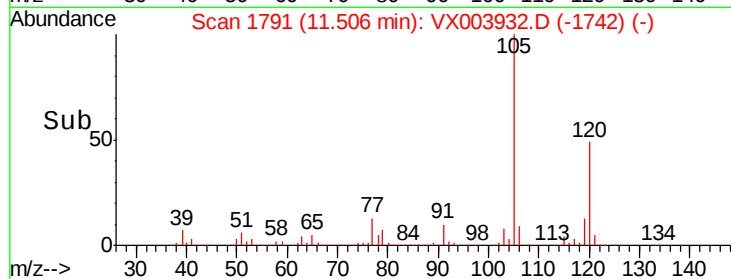
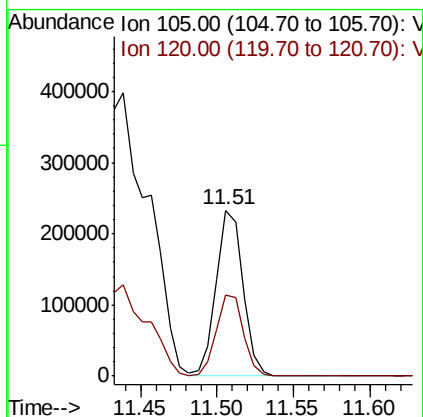
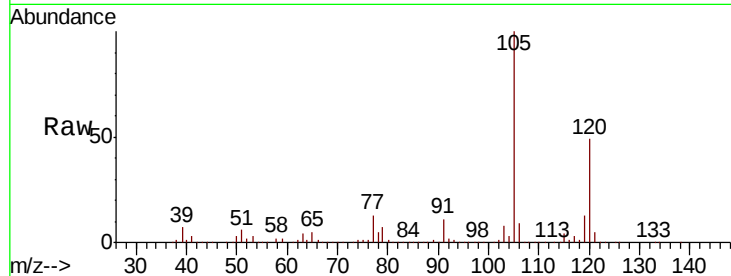




#80
 1,3,5-Trimethylbenzene
 Concen: 19.31 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

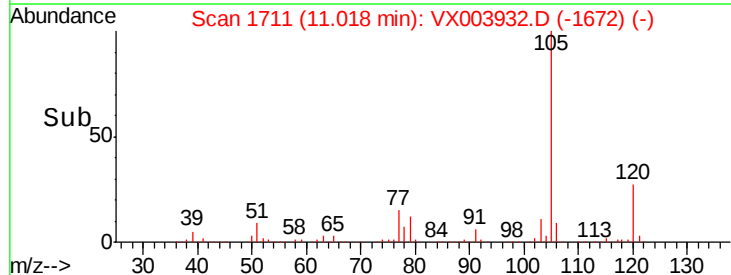
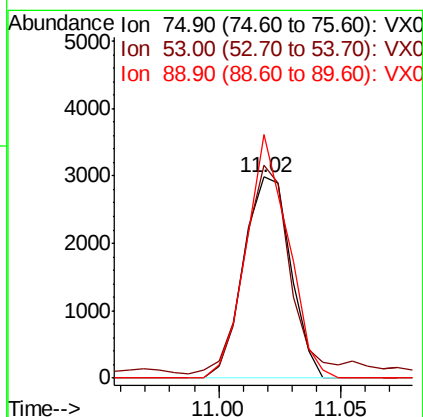
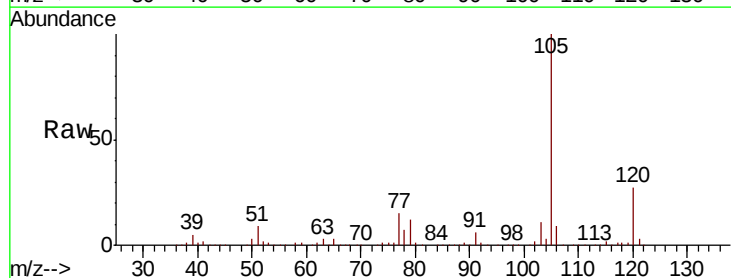
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0549

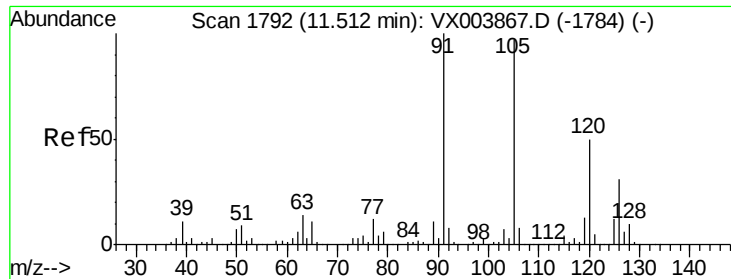
Tot Ion:105 Resp: 285018
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.13 ug/l
 RT: 11.02 min Scan# 1711
 Delta R.T. -0.06 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion: 75 Resp: 3984
 Ion Ratio Lower Upper
 75 100
 53 116.8 80.3 120.5
 89 108.6 37.8 56.8#





#82

4-Chlorotoluene

Concen: 2.01 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

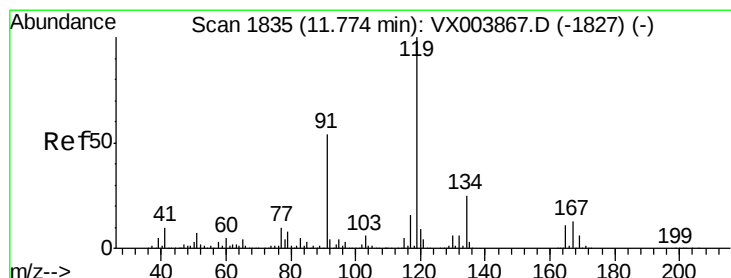
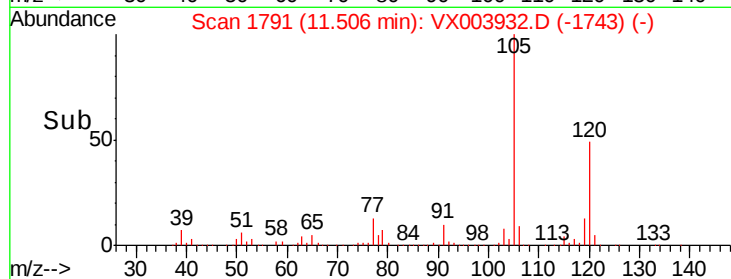
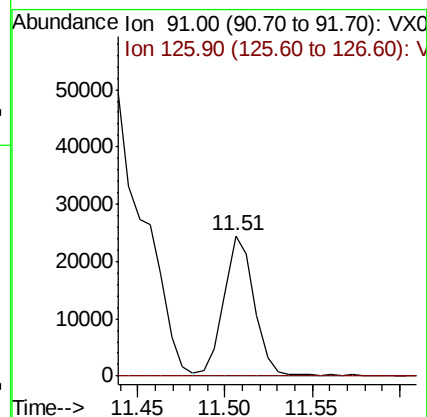
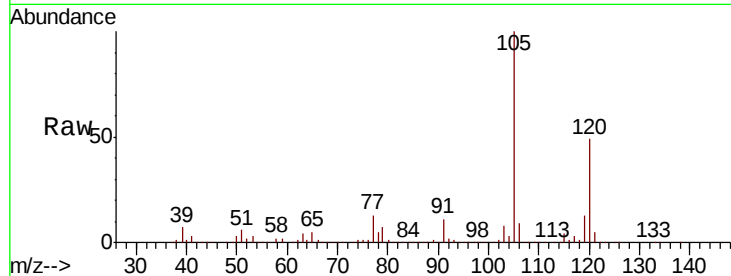
FL-0549

Tot Ion: 91 Resp: 29185

Ion Ratio Lower Upper

91 100

126 0.7 15.6 46.7#



#83

tert-Butylbenzene

Concen: 1.10 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

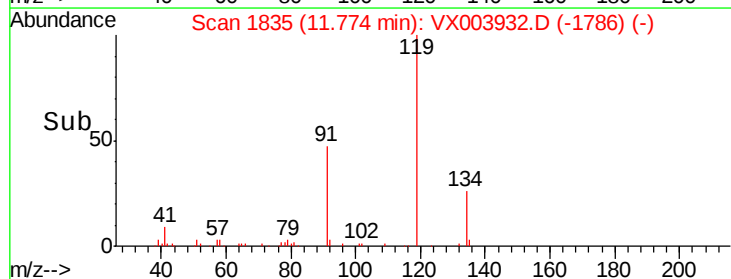
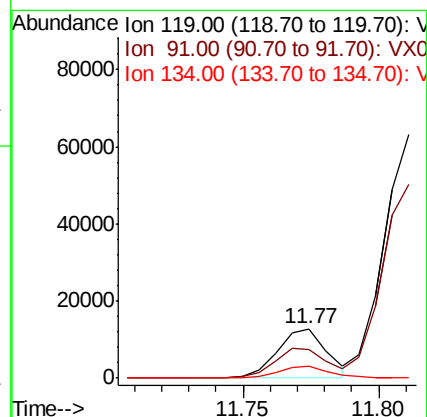
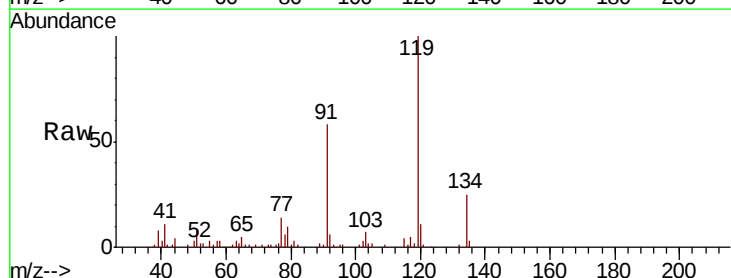
Tgt Ion: 119 Resp: 15934

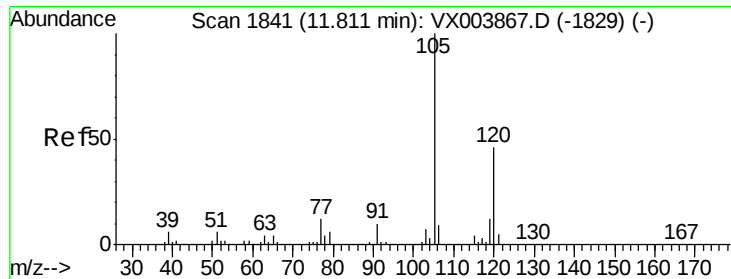
Ion Ratio Lower Upper

119 100

91 62.7 26.9 80.7

134 27.8 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 39.77 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

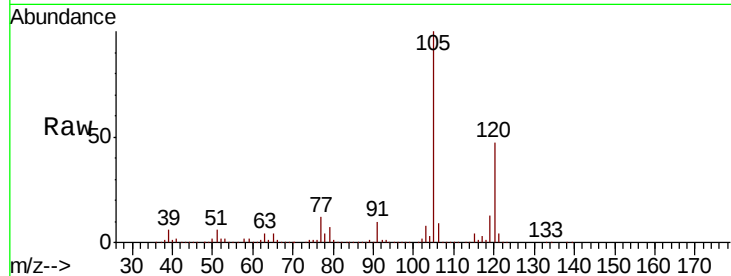
FL-0549

Tot Ion:105 Resp: 590085

Ion Ratio Lower Upper

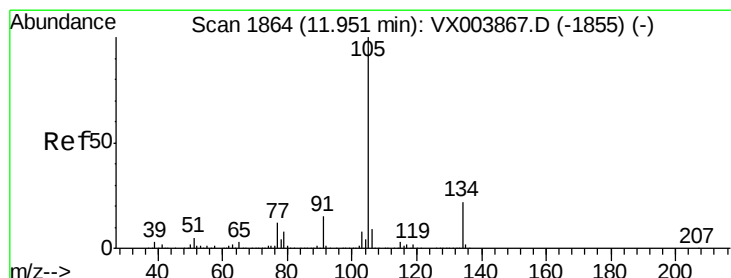
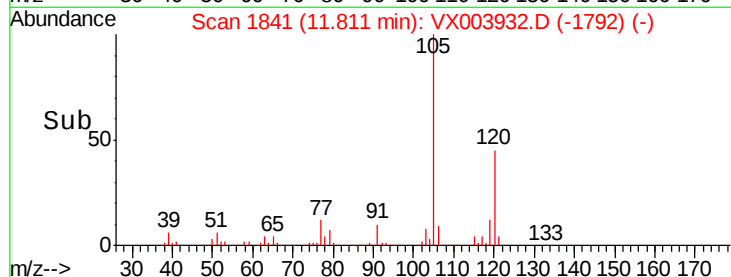
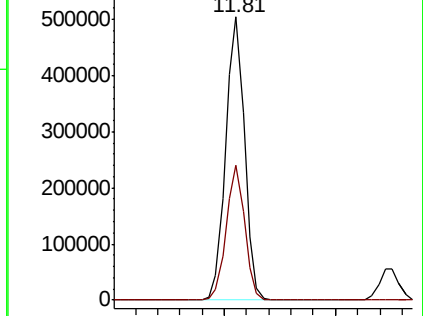
105 100

120 46.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003932.D

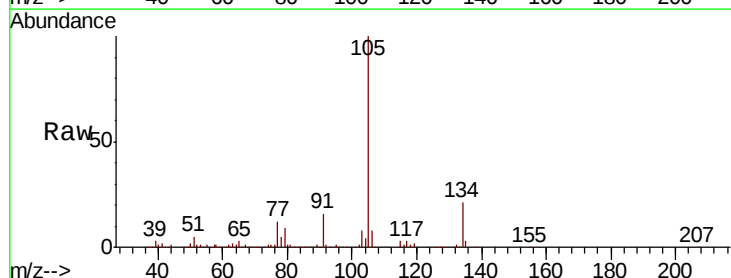
Acq: 08 Aug 2018 19:05

Tgt Ion:105 Resp: 70667

Ion Ratio Lower Upper

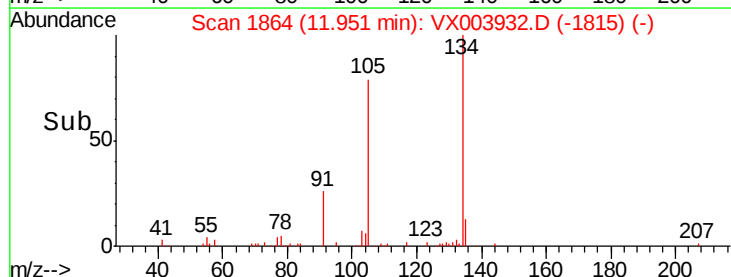
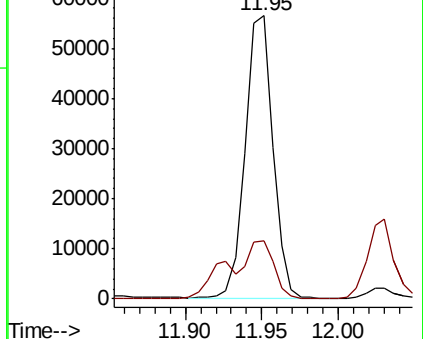
105 100

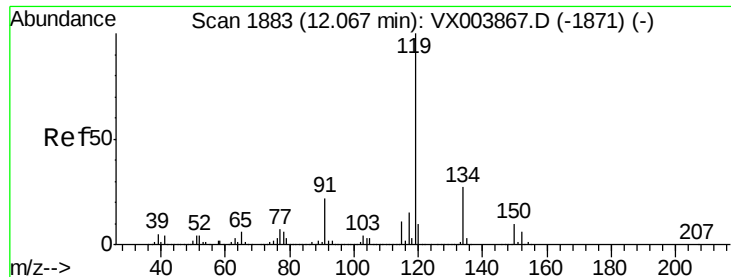
134 20.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

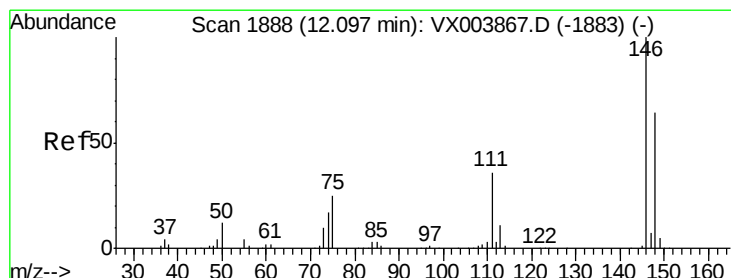
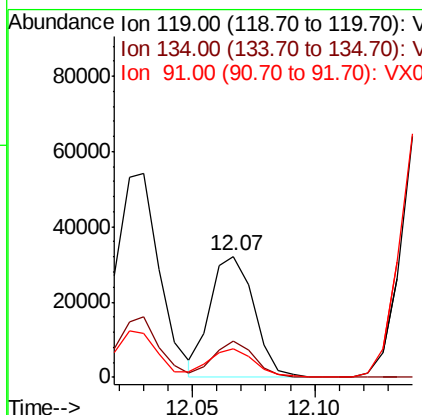
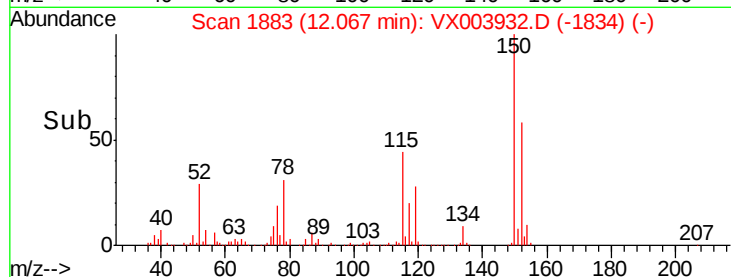
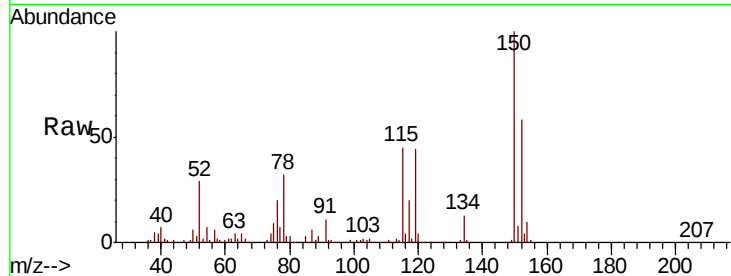




#86
p-Isopropyltoluene
Concen: 2.59 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

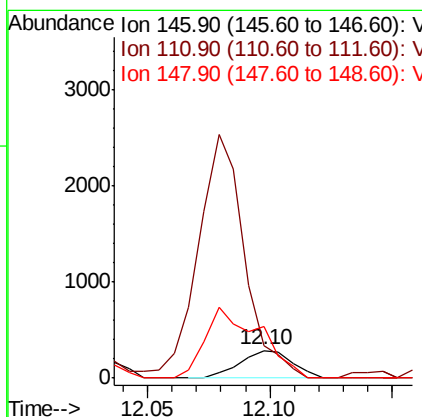
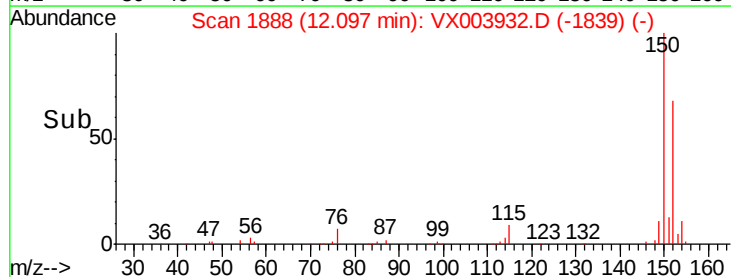
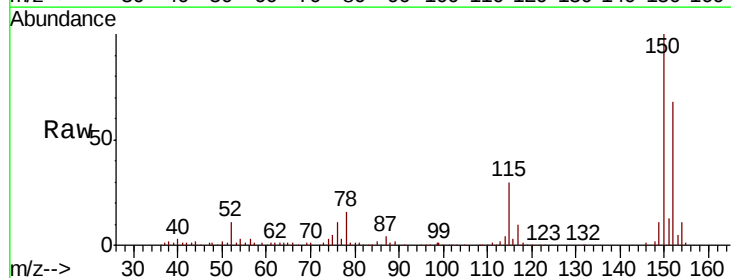
Instrument :
MSVOA_X
ClientSampled :
FL-0549

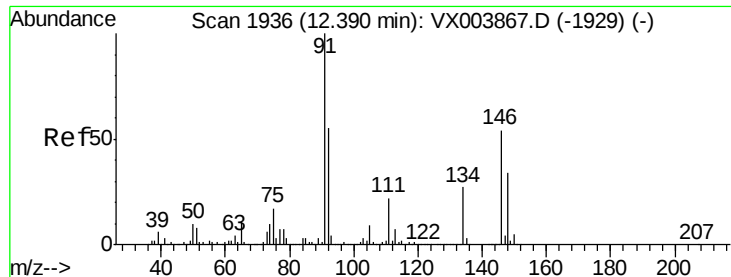
Tot Ion:119 Resp: 39860
Ion Ratio Lower Upper
119 100
134 28.3 13.3 39.8
91 23.6 10.9 32.7



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.10 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion:146 Resp: 427
Ion Ratio Lower Upper
146 100
111 787.1 18.4 55.0#
148 269.3 32.3 96.8#





#89

n-Butylbenzene

Concen: 2.52 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

FL-0549

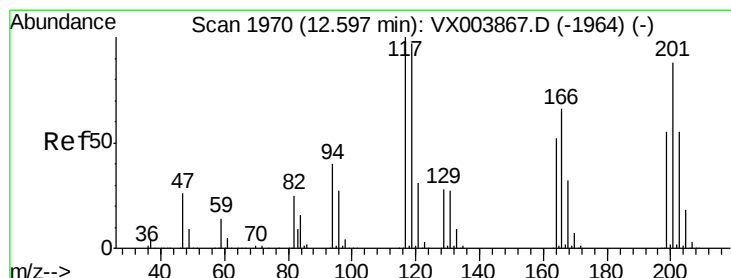
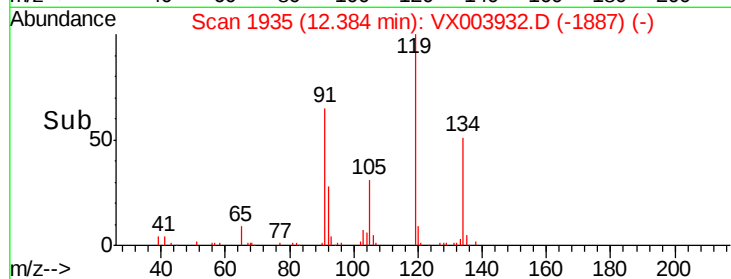
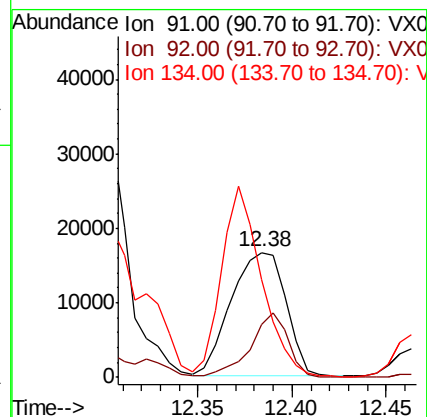
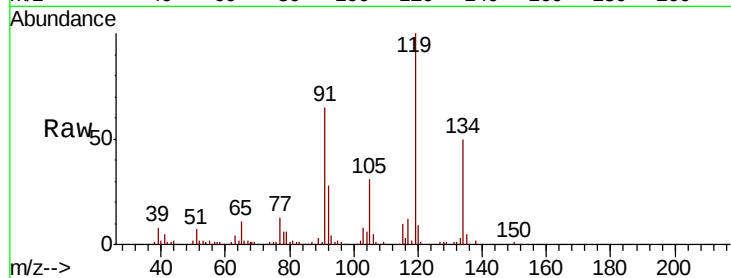
Tot Ion: 91 Resp: 33701

Ion Ratio Lower Upper

91 100

92 36.0 27.1 81.3

134 111.7 13.6 40.7#



#90

Hexachloroethane

Concen: 2.08 ug/l

RT: 12.61 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VX003932.D

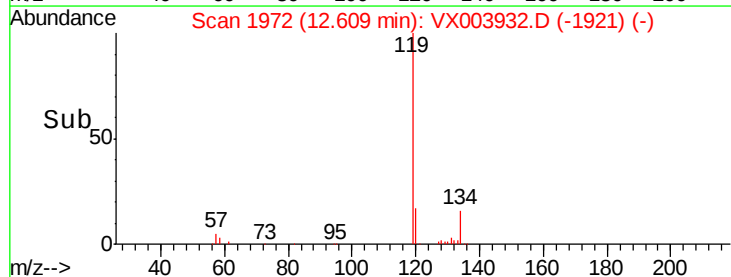
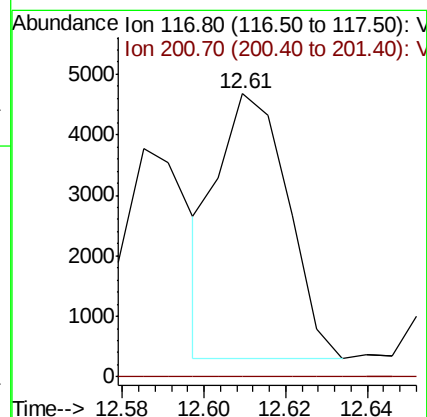
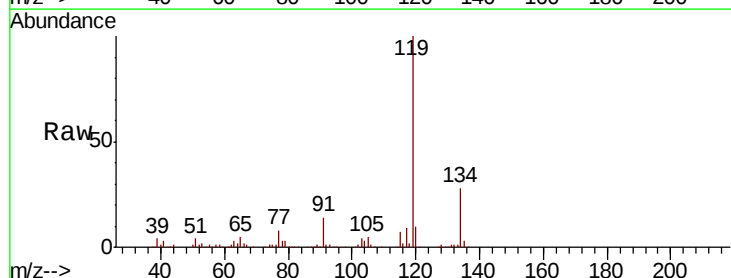
Acq: 08 Aug 2018 19:05

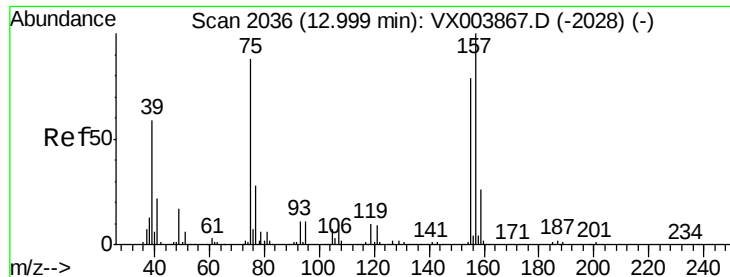
Tgt Ion: 117 Resp: 5198

Ion Ratio Lower Upper

117 100

201 0.0 46.1 138.2#

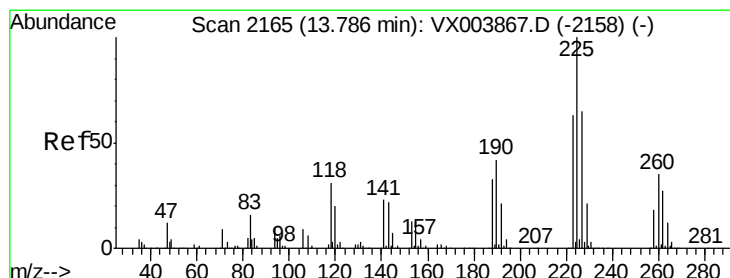
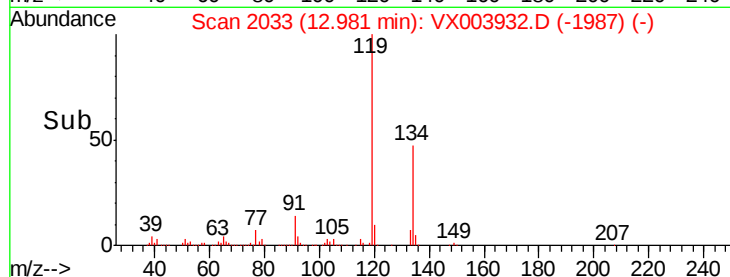
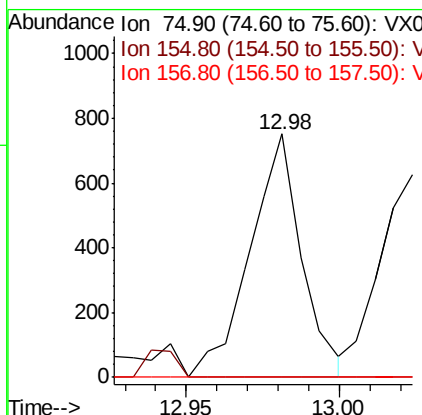
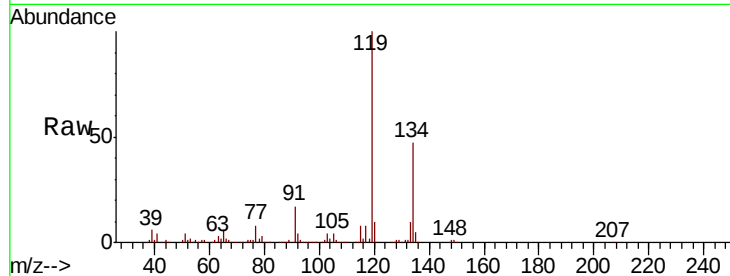




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.69 ug/l
 RT: 12.98 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

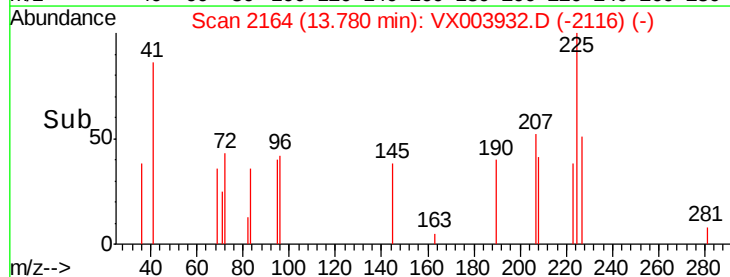
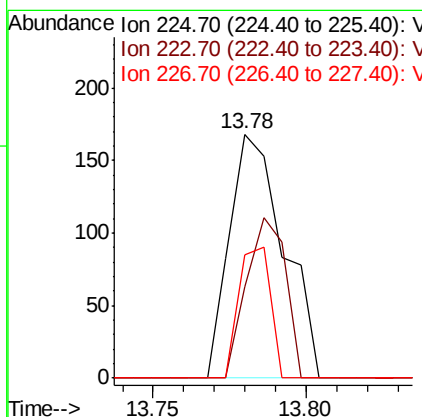
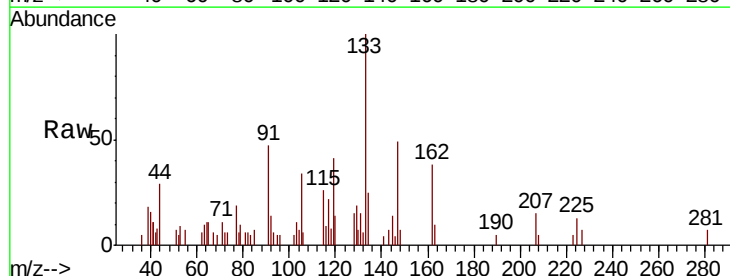
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

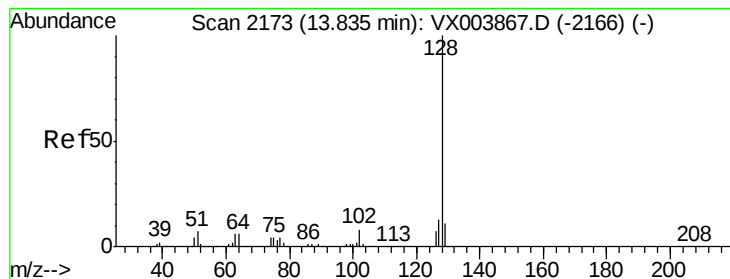
Tot Ion: 75 Resp: 879
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 0.0 62.6 187.8#



#94
 Hexachlorobutadiene
 Concen: 0.50 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion: 225 Resp: 206
 Ion Ratio Lower Upper
 225 100
 223 47.6 31.4 94.0
 227 31.1 32.1 96.5#





#95

Naphthalene

Concen: 50.99 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

FL-0549

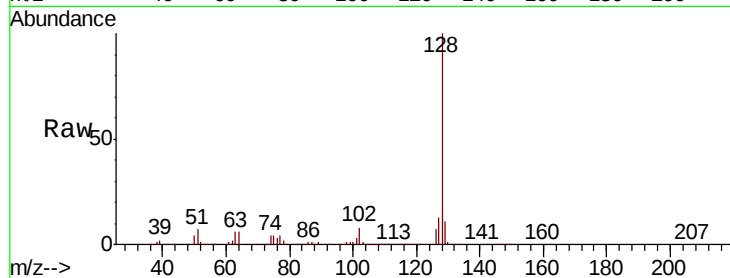
Tot Ion:128 Resp: 929060

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.3 8.8 13.2



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

