

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
 Data File : VX004242.D
 Acq On : 24 Aug 2018 13:09
 Operator : JC/MD
 Sample : J4579-07DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0542DL

Quant Time: Aug 25 00:27:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	426206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	259784	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	198942	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	5.50	113	175234	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.71	98	665185	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.14	95	243640	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1287	0.61	ug/l	97
5) Bromomethane	1.64	94	915	Below	Cal	99
6) Chloroethane	1.70	64	751	1.19	ug/l #	47
10) Methyl Iodide	2.51	142	1811	4.68	ug/l	97
11) Tert butyl alcohol	3.06	59	454	0.52	ug/l #	72
13) Acrolein	2.29	56	365	1.73	ug/l #	16
14) Allyl chloride	2.84	41	7347	1.20	ug/l #	65
15) Acrylonitrile	3.16	53	2945	1.36	ug/l #	54
16) Acetone	2.44	43	1803	Below	Cal	94
17) Carbon Disulfide	2.57	76	2639	1.08	ug/l #	93
18) Methyl Acetate	2.84	43	18821	3.08	ug/l #	51
20) Methylene Chloride	2.85	84	1100	0.28	ug/l #	72
25) 2-Butanone	4.71	43	1025	Below	Cal	93
29) Tetrahydrofuran	5.15	42	441	0.25	ug/l #	39
31) Cyclohexane	5.57	56	129218	22.40	ug/l	99
36) 1,1-Dichloropropene	5.67	75	20656	3.88	ug/l #	50
37) Ethyl Acetate	4.85	43	1219	0.23	ug/l #	90
38) Carbon Tetrachloride	5.65	117	26940	5.38	ug/l #	15
39) Methylcyclohexane	7.46	83	107836	17.74	ug/l	98
45) 1,2-Dichloropropane	7.46	63	1199	0.30	ug/l #	1
48) Methyl methacrylate	7.73	41	3492	0.81	ug/l #	57
51) 4-Methyl-2-Pentanone	8.66	43	1183	0.20	ug/l #	64
52) Toluene	8.79	92	22081	2.22	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	4255	1.06	ug/l #	22
67) Ethyl Benzene	10.25	91	159227	9.17	ug/l	100
68) m/p-Xylenes	10.36	106	269026	39.61	ug/l	100
69) o-Xylene	10.70	106	74480	11.59	ug/l	100
70) Styrene	10.70	104	4247	0.41	ug/l #	1
73) Isopropylbenzene	11.02	105	38120	2.23	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	116814	22.11	ug/l #	37
78) n-propylbenzene	11.36	91	73890	3.77	ug/l	99
79) 2-Chlorotoluene	11.43	91	45420	3.76	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	172949	12.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	116814	71.73	ug/l #	10

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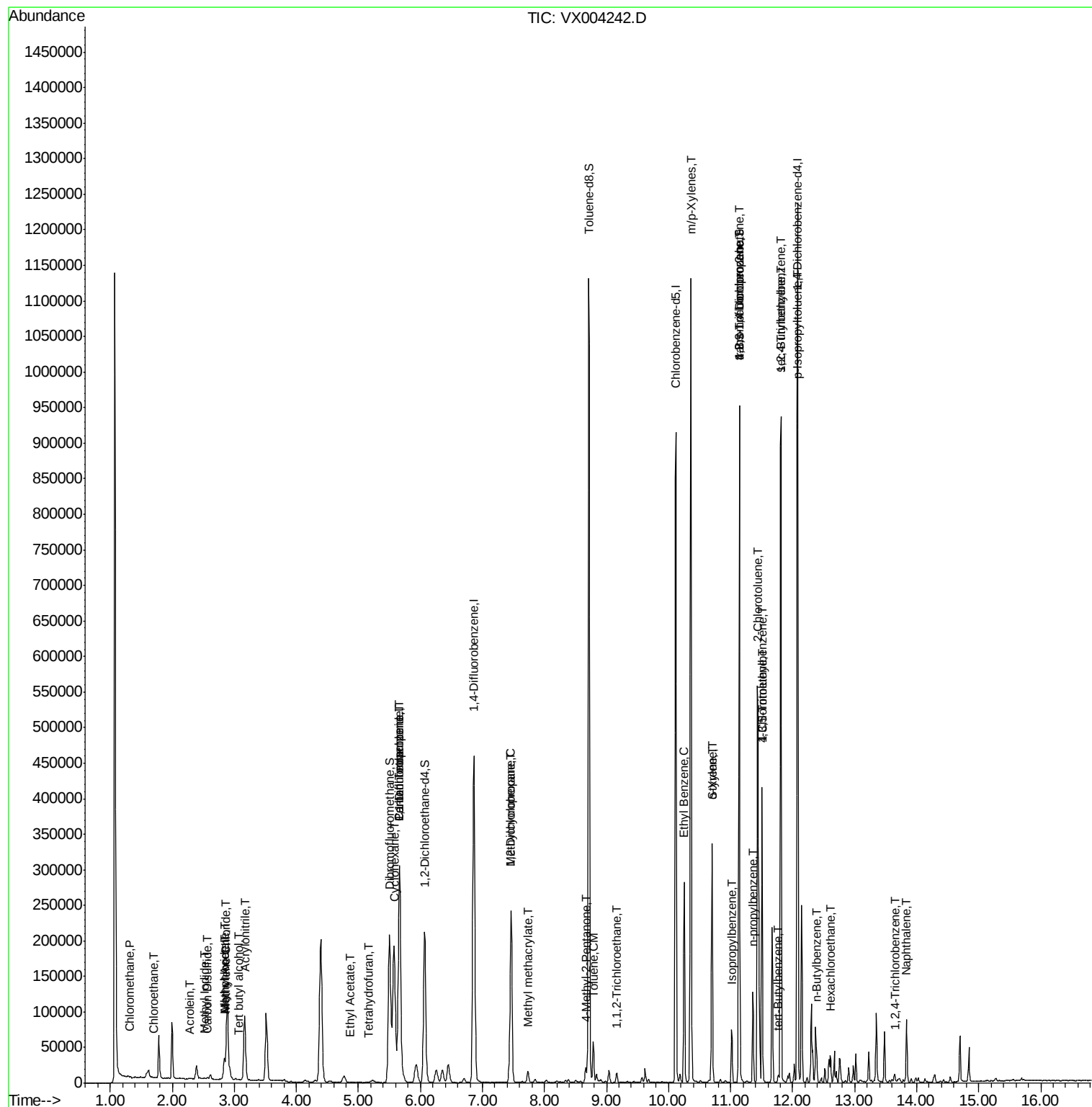
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	18793	1.32	ug/l #	47
83) tert-Butylbenzene	11.77	119	4235	0.30	ug/l	87
84) 1,2,4-Trimethylbenzene	11.81	105	411134	28.35	ug/l	99
85) sec-Butylbenzene	11.81	105	411073	24.36	ug/l #	55
86) p-Isopropyltoluene	12.07	119	6801	0.45	ug/l	87
89) n-Butylbenzene	12.39	91	13703	1.11	ug/l #	35
90) Hexachloroethane	12.61	117	1547	0.73	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.65	180	1232	0.21	ug/l #	81
95) Naphthalene	13.83	128	55035	3.25	ug/l	97

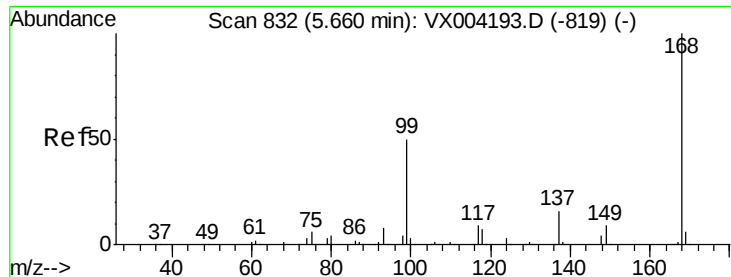
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleID :

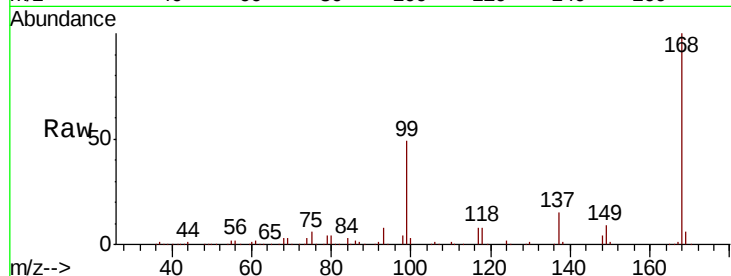
FL-0542DL

Tot Ion:168 Resp: 315656

Ion Ratio Lower Upper

168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

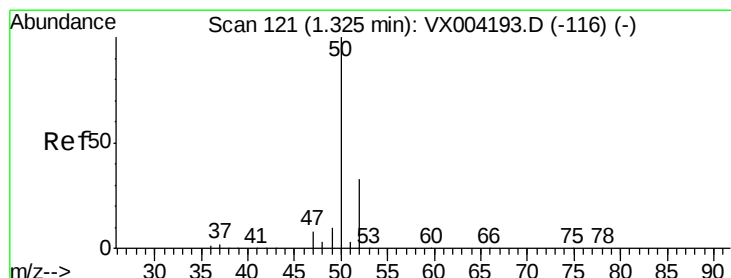
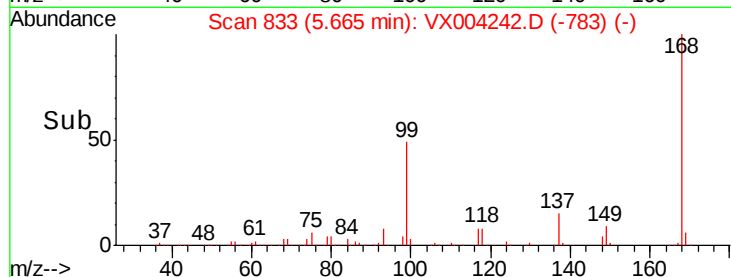
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004242.D

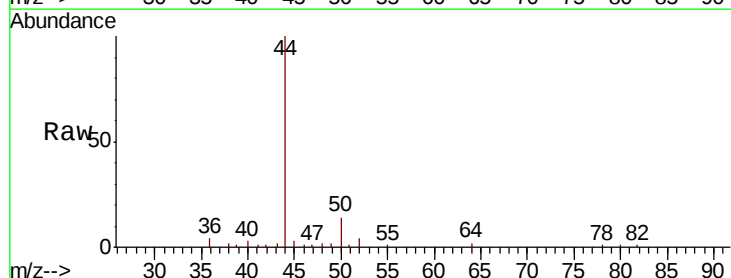
Acq: 24 Aug 2018 13:09

Tgt Ion: 50 Resp: 1287

Ion Ratio Lower Upper

50 100

52 31.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

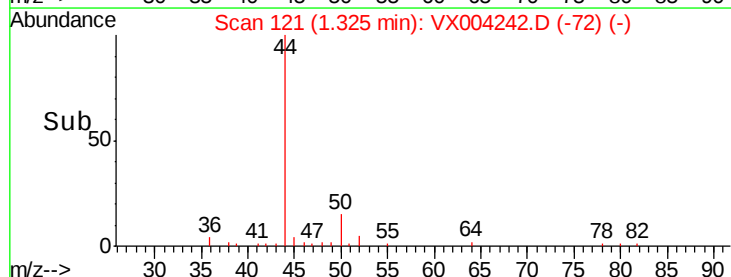
400

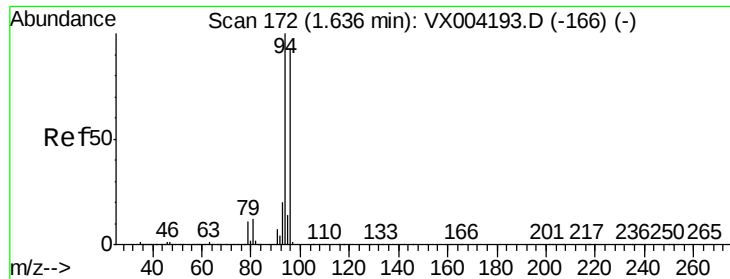
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

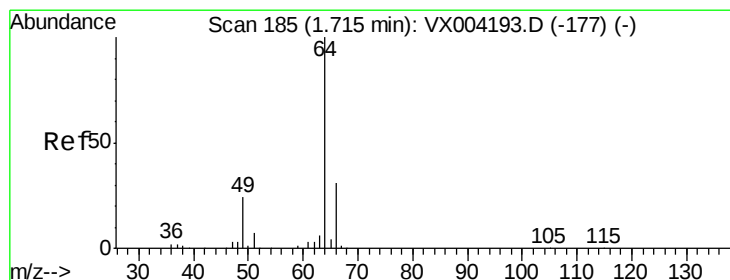
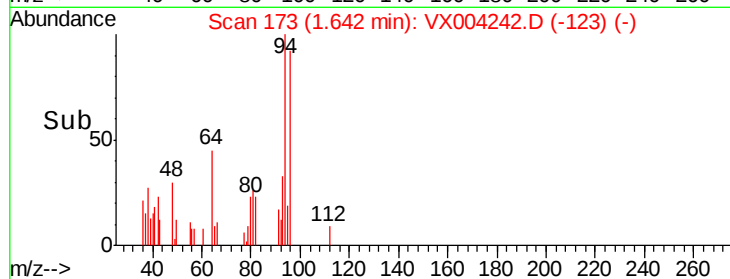
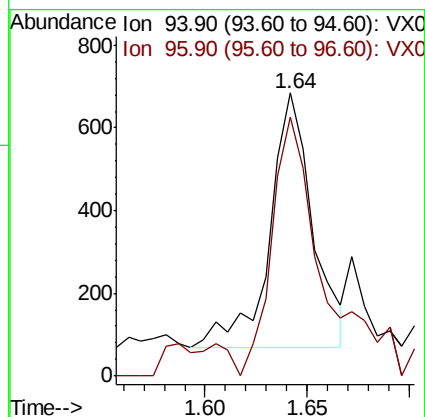
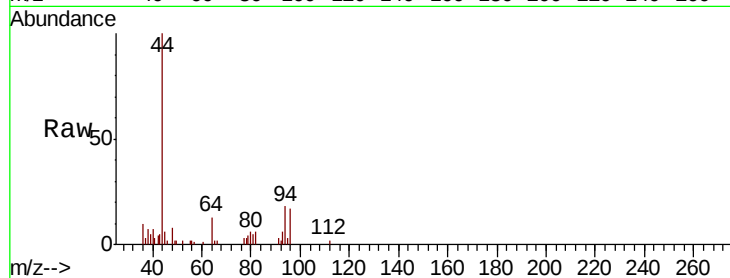
FL-0542DL

Tot Ion: 94 Resp: 915

Ion Ratio Lower Upper

94 100

96 92.2 74.5 111.7



#6

Chloroethane

Concen: 1.19 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX004242.D

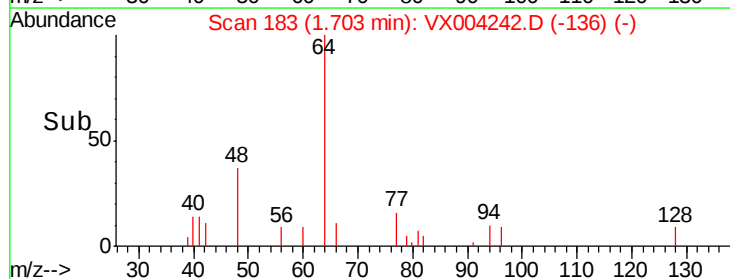
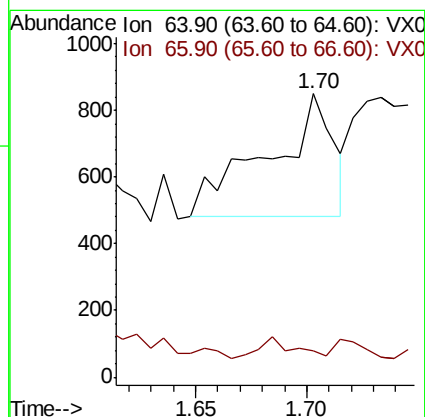
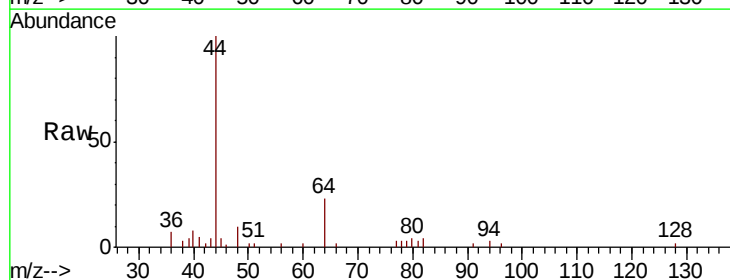
Acq: 24 Aug 2018 13:09

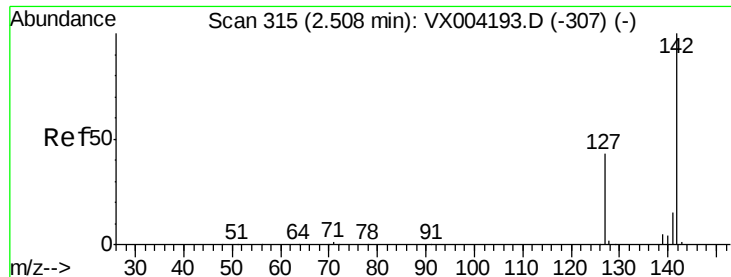
Tgt Ion: 64 Resp: 751

Ion Ratio Lower Upper

64 100

66 1.9 24.6 36.8#

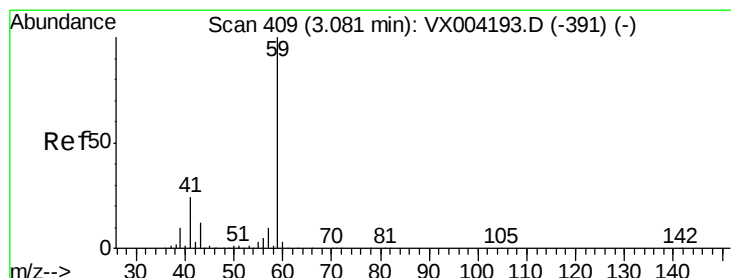
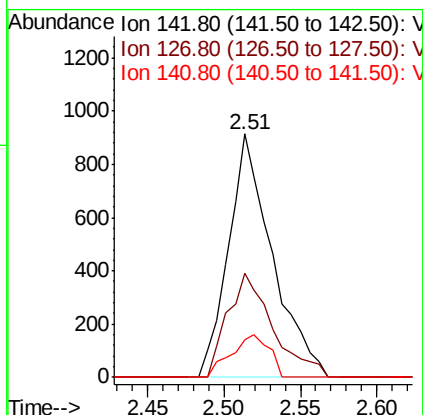
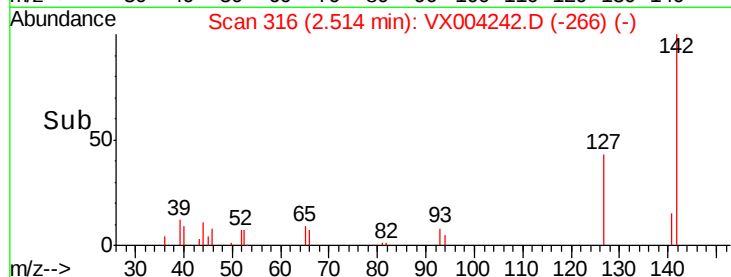
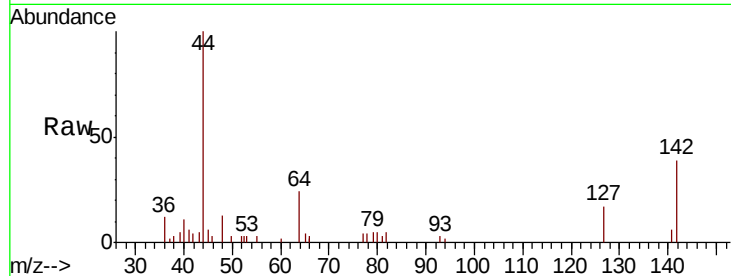




#10
Methvl Iodide
Concen: 4.68 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

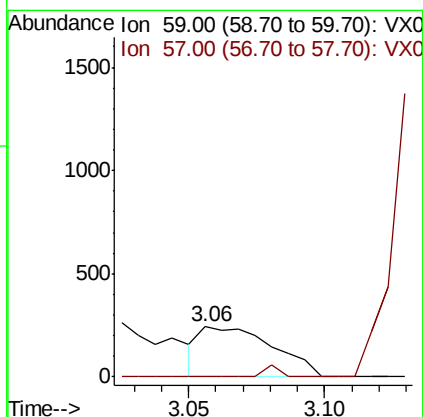
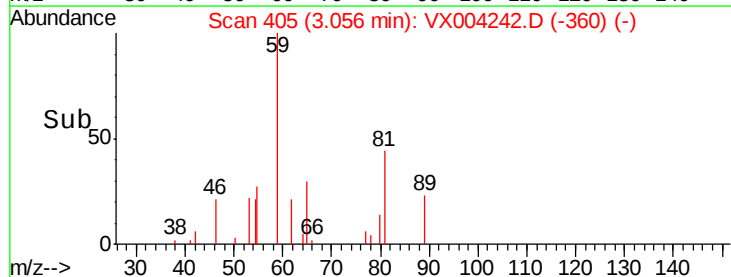
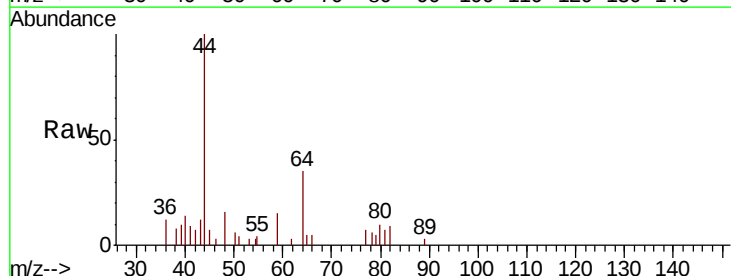
Instrument :
MSVOA_X
ClientSampled :
FL-0542DL

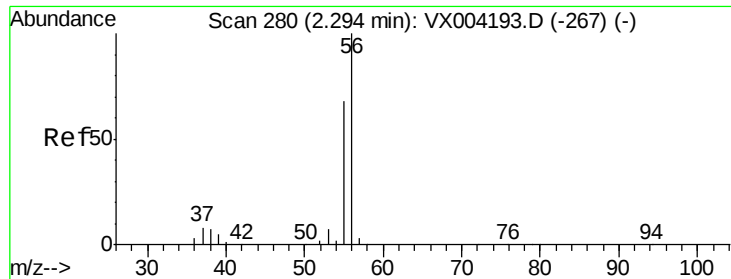
Tot Ion:142 Resp: 1811
Ion Ratio Lower Upper
142 100
127 44.5 33.8 50.6
141 15.2 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion: 59 Resp: 454
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.73 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleID :

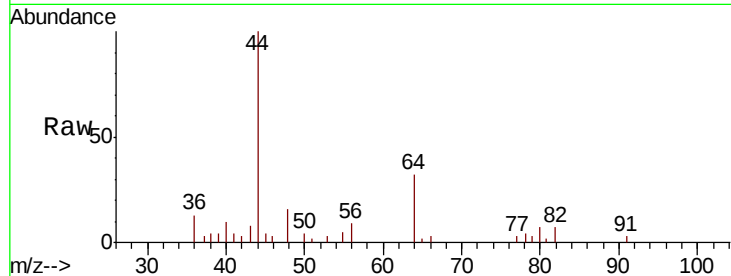
FL-0542DL

Tot Ion: 56 Resp: 365

Ion Ratio Lower Upper

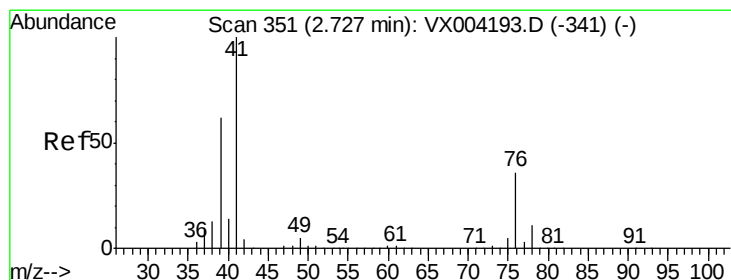
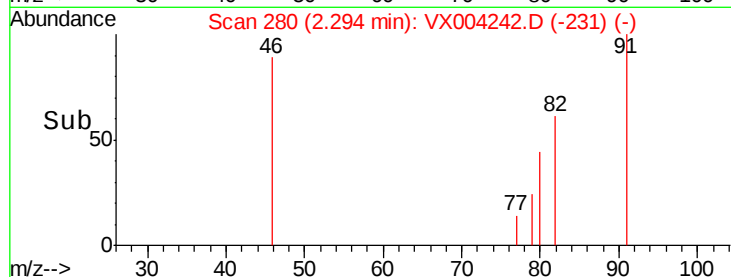
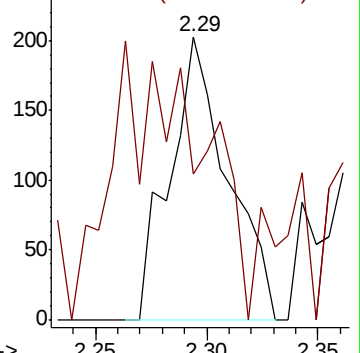
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.20 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

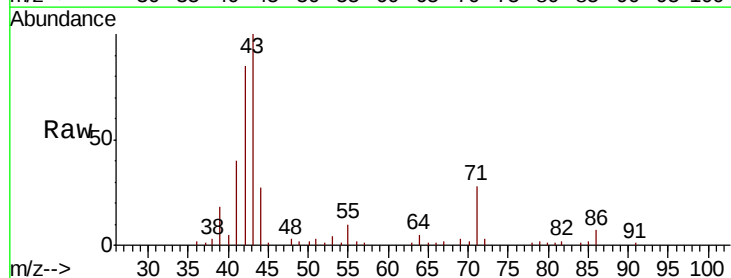
Tgt Ion: 41 Resp: 7347

Ion Ratio Lower Upper

41 100

39 44.1 48.9 73.3#

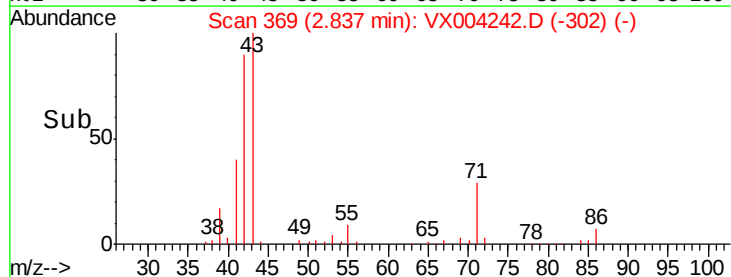
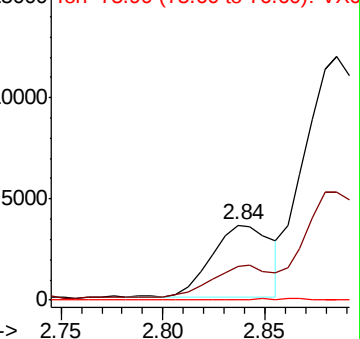
76 0.0 26.7 40.1#

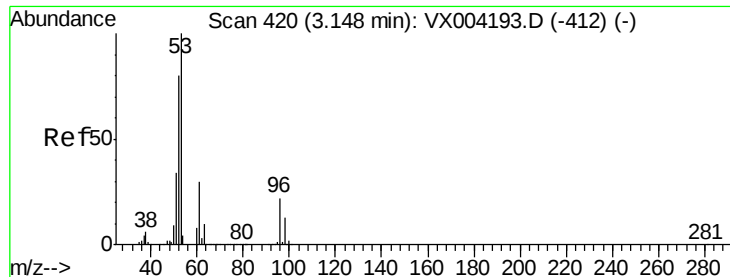


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1.36 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

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MSVOA_X

ClientSampled :

FL-0542DL

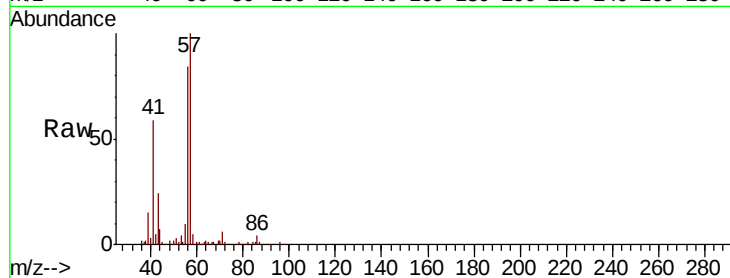
Tot Ion: 53 Resp: 2945

Ion Ratio Lower Upper

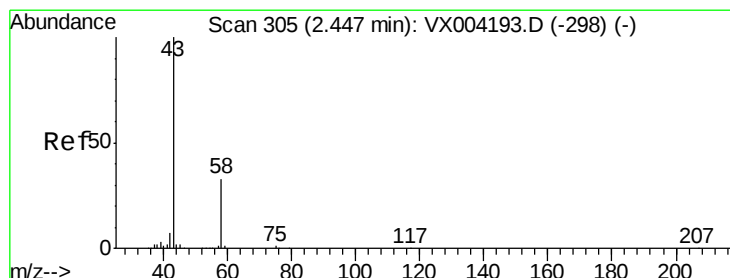
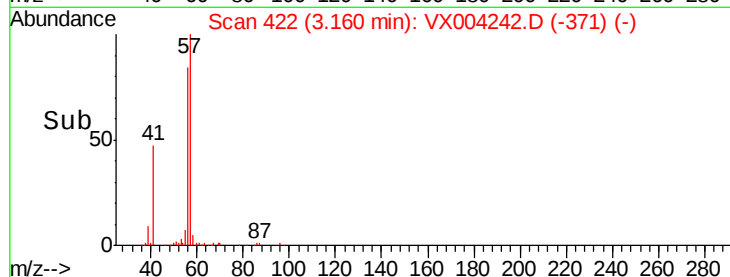
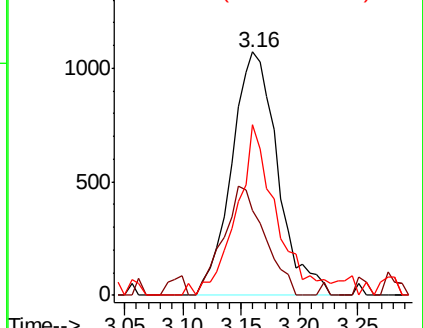
53 100

52 40.2 65.2 97.8#

51 61.1 28.2 42.2#



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



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004242.D

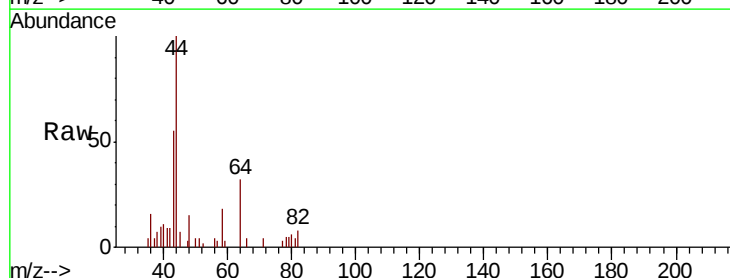
Acq: 24 Aug 2018 13:09

Tgt Ion: 43 Resp: 1803

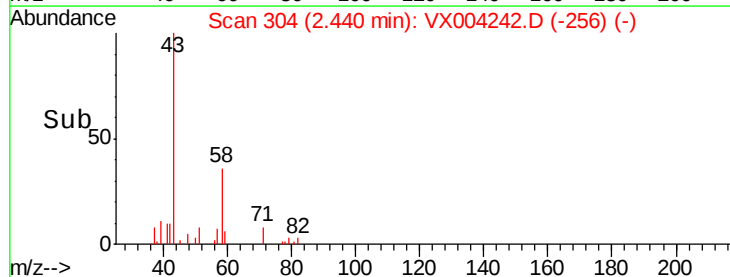
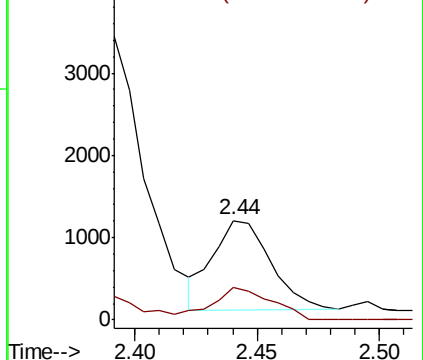
Ion Ratio Lower Upper

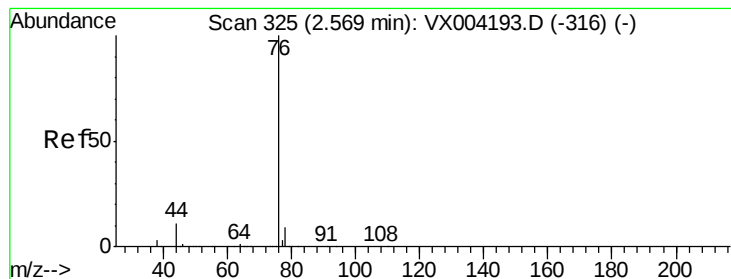
43 100

58 36.2 26.2 39.4



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





#17

Carbon Disulfide

Concen: 1.08 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

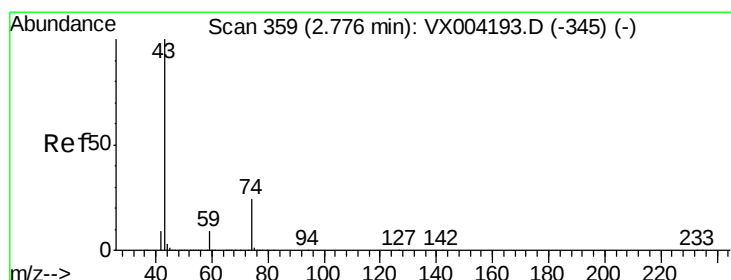
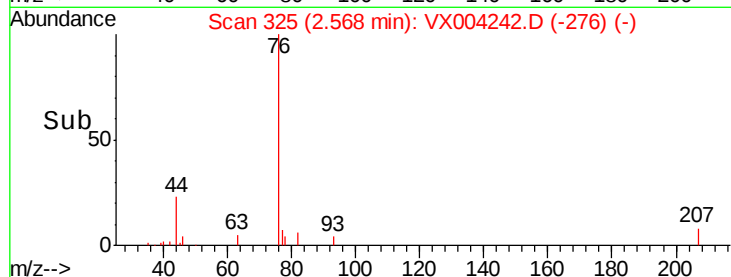
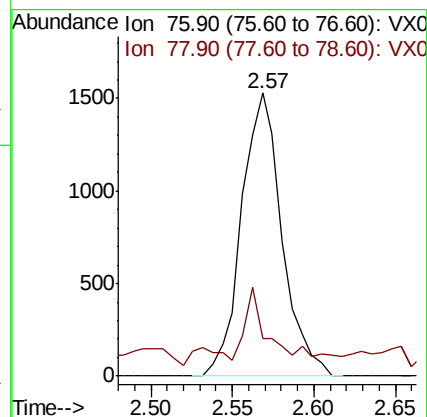
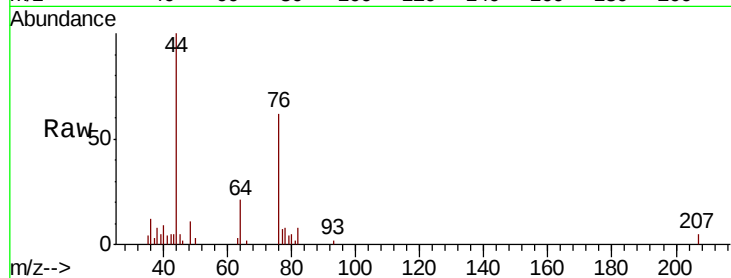
FL-0542DL

Tot Ion: 76 Resp: 2639

Ion Ratio Lower Upper

76 100

78 6.1 7.0 10.6#



#18

Methyl Acetate

Concen: 3.08 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.06 min

Lab File: VX004242.D

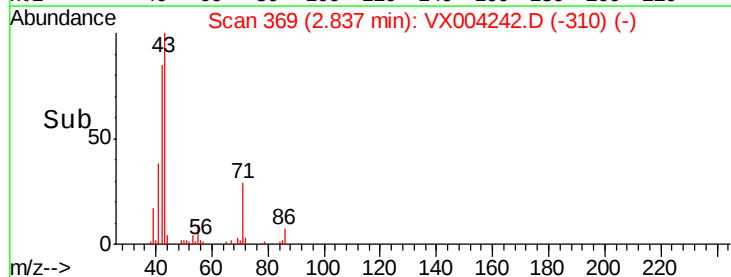
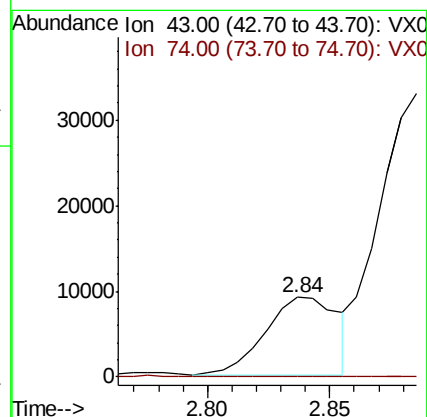
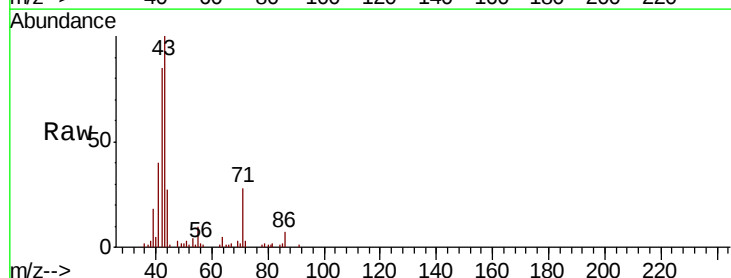
Acq: 24 Aug 2018 13:09

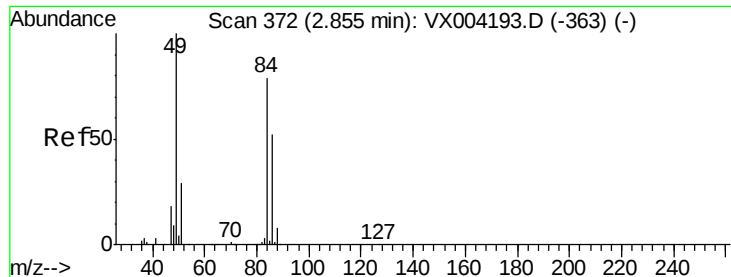
Tgt Ion: 43 Resp: 18821

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#





#20

Methvlene Chloride

Concen: 0.28 ua/l

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0542DL

Tot Ion: 84 Resp: 1100

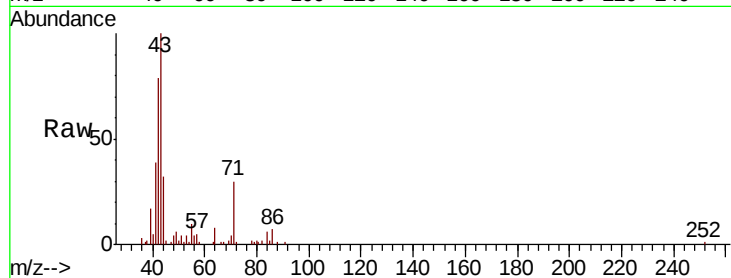
Ion Ratio Lower Upper

84 100

49 104.2 101.2 151.8

51 60.0 29.5 44.3#

86 96.4 52.3 78.5#

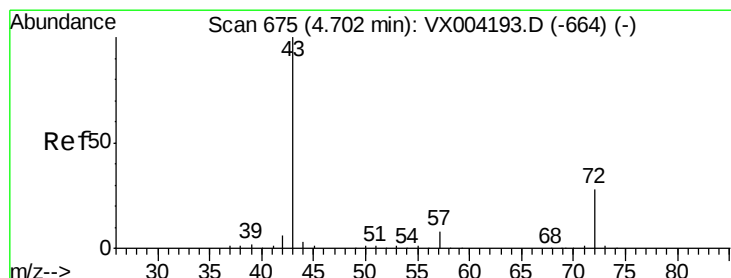
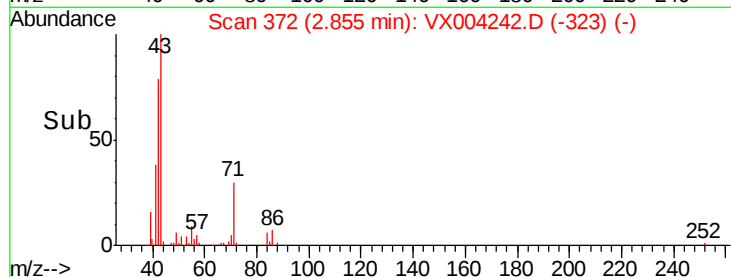
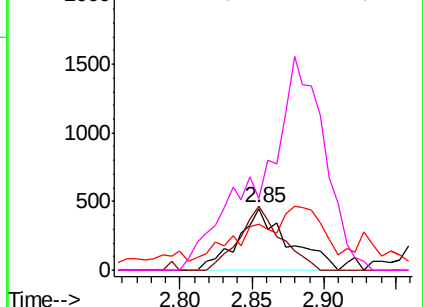


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004242.D

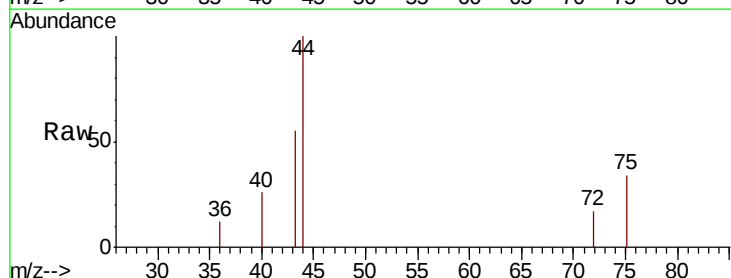
Acq: 24 Aug 2018 13:09

Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

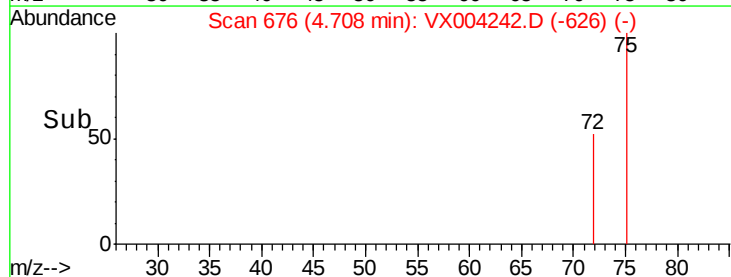
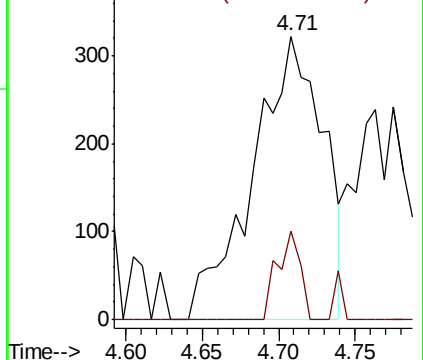
43 100

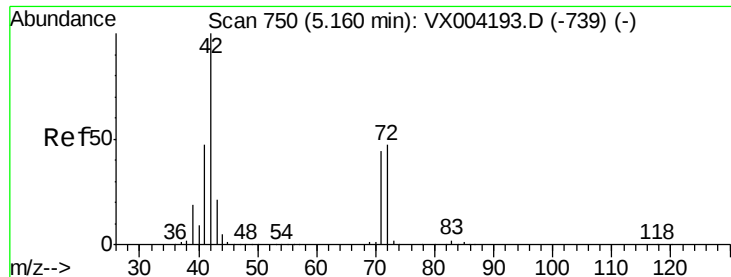
72 31.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0542DL

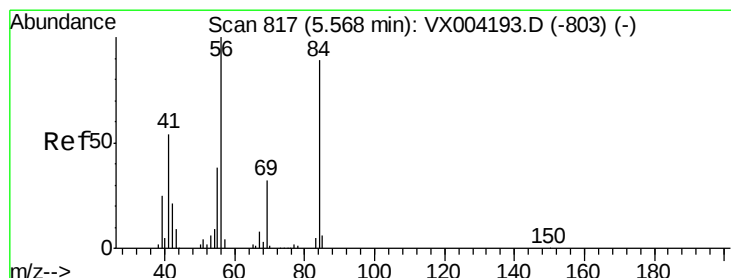
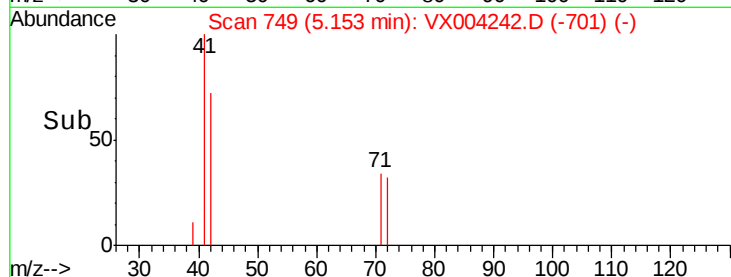
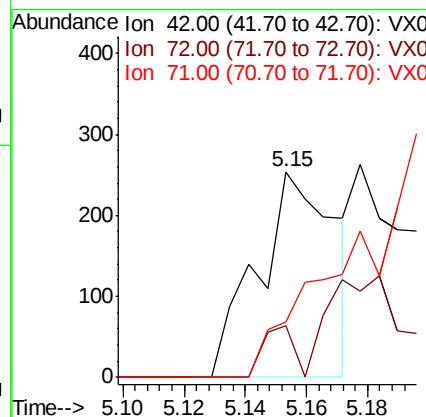
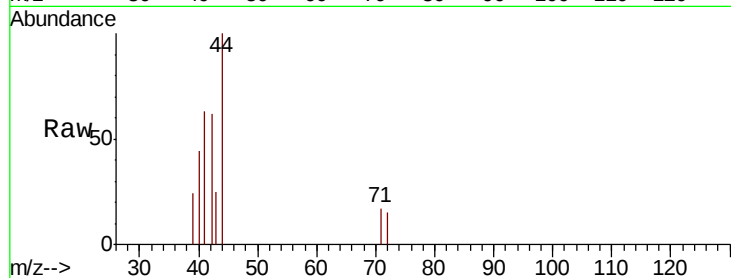
Tot Ion: 42 Resp: 441

Ion Ratio Lower Upper

42 100

72 10.0 37.4 56.0#

71 0.0 34.5 51.7#



#31

Cyclohexane

Concen: 22.40 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

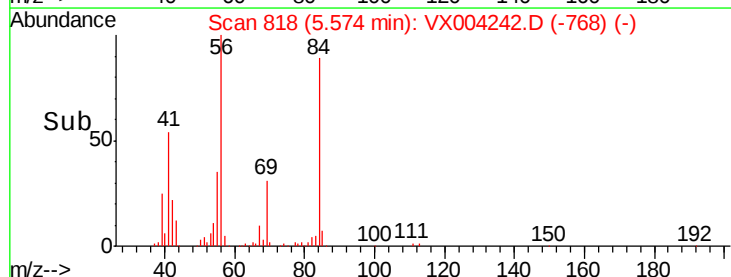
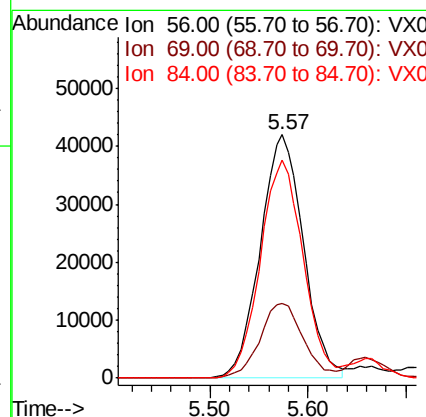
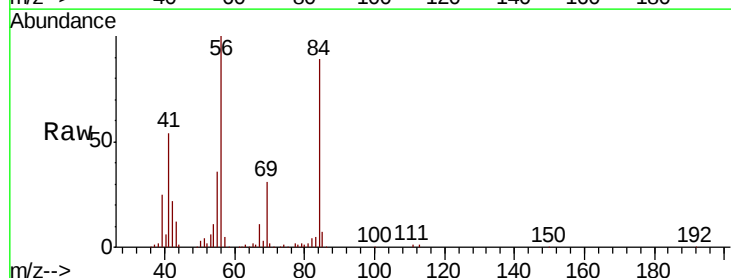
Tgt Ion: 56 Resp: 129218

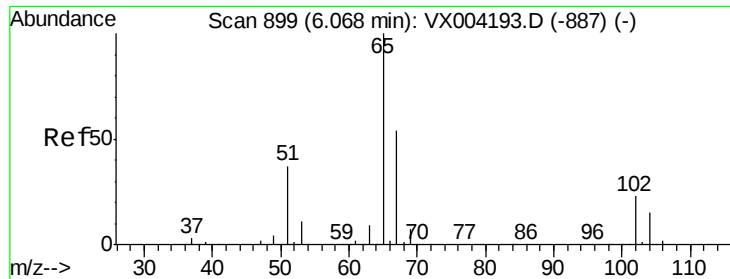
Ion Ratio Lower Upper

56 100

69 30.4 25.4 38.2

84 89.4 71.4 107.2

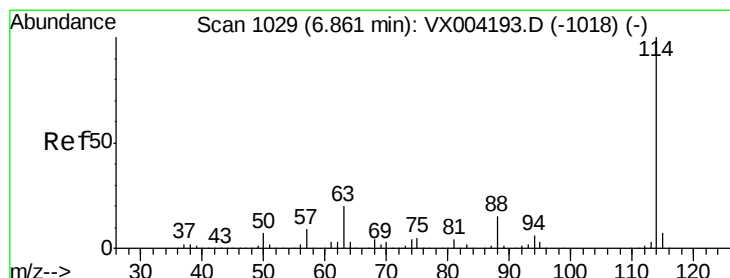
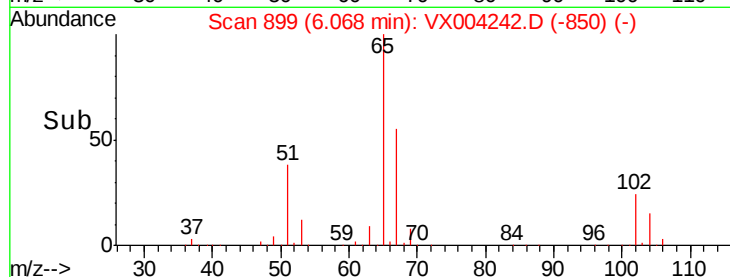
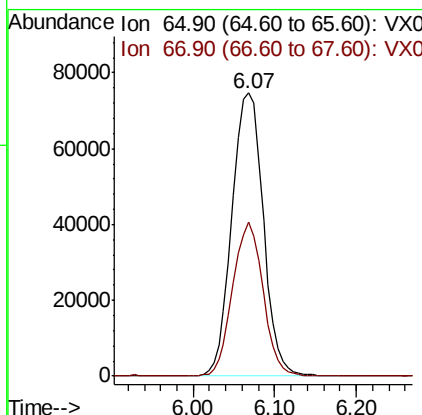
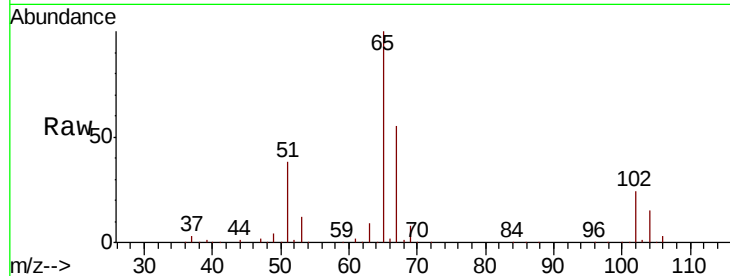




#33
 1,2-Dichloroethane-d4
 Concen: 48.36 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

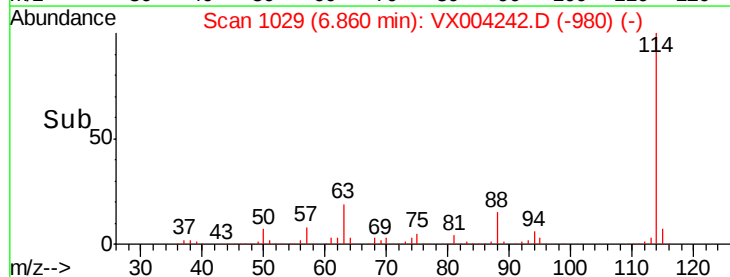
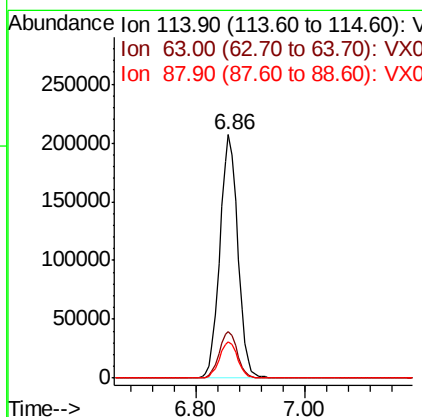
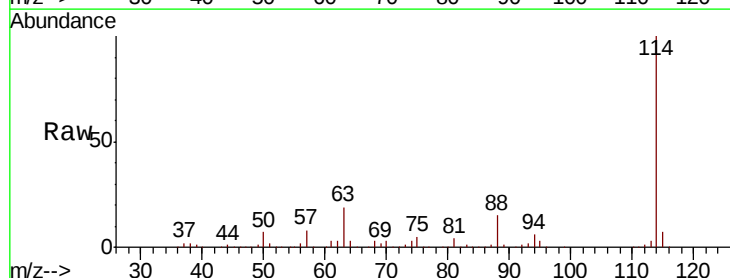
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0542DL

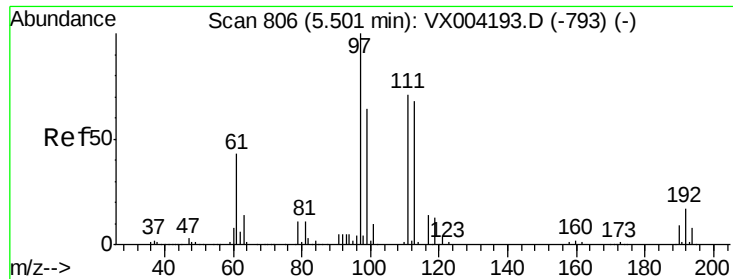
Tot Ion: 65 Resp: 198942
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

Tgt Ion: 114 Resp: 473557
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.2 0.0 30.4

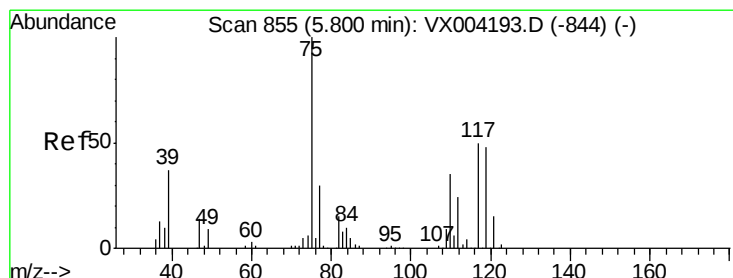
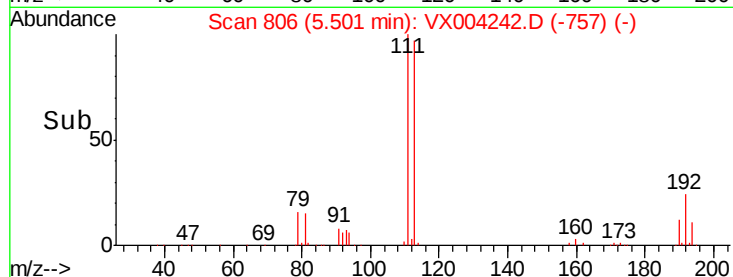
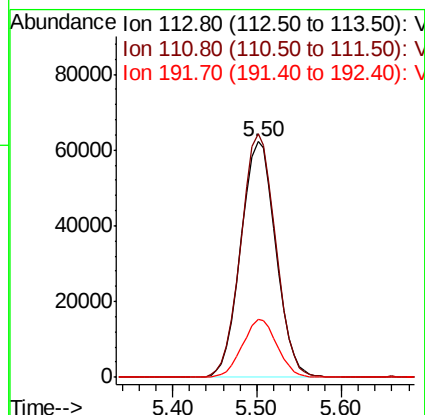
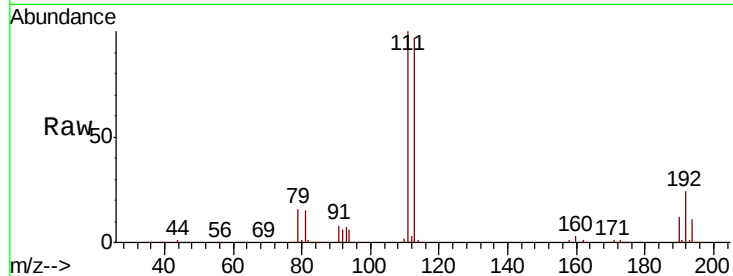




#35
 Dibromofluoromethane
 Concen: 49.74 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

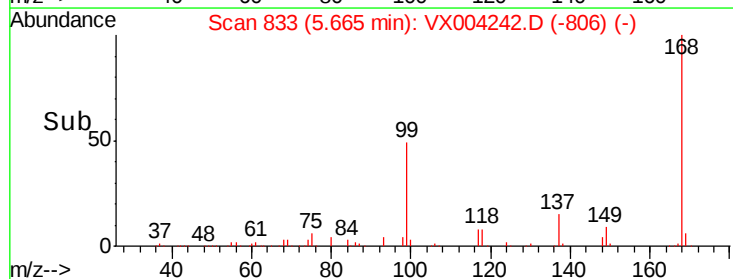
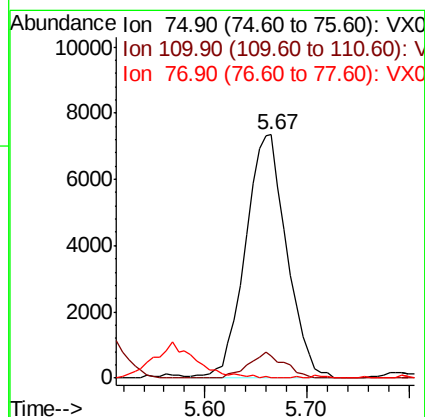
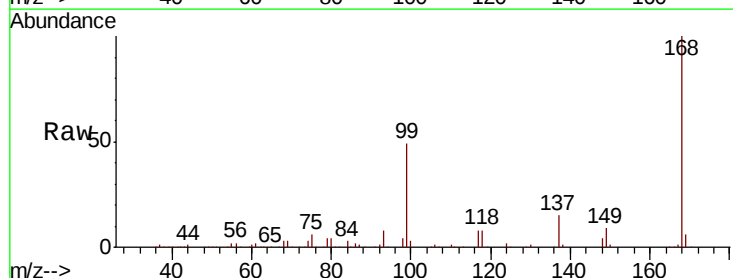
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0542DL

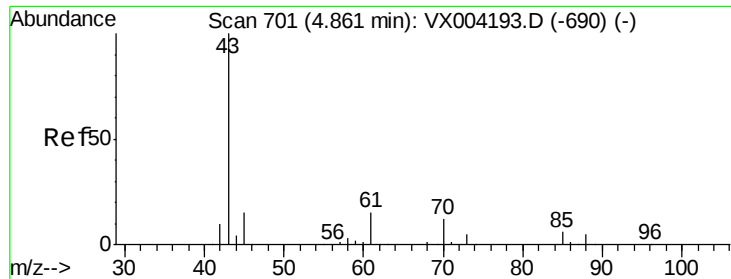
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	24.2	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.0	54.0#
77	0.0	24.6	36.8#

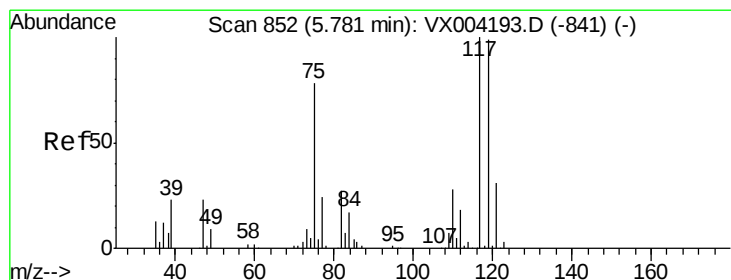
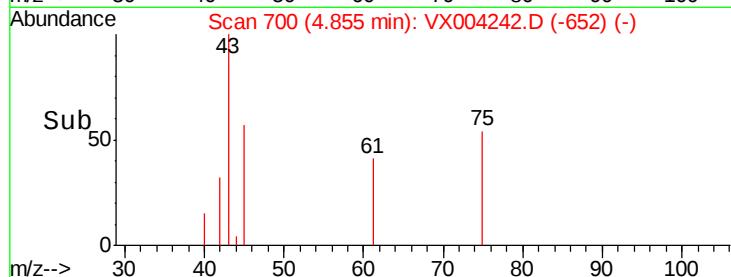
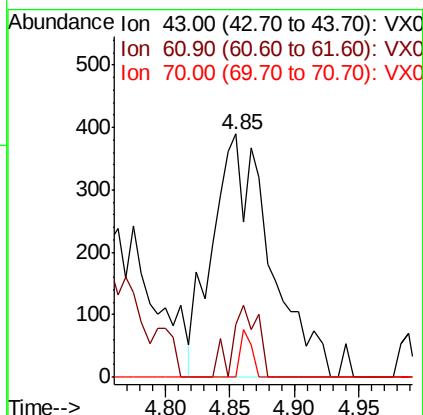
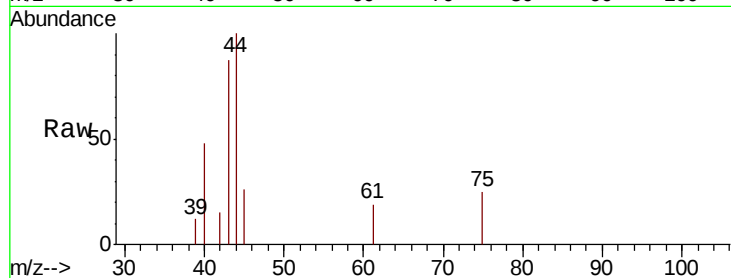




#37
Ethyl Acetate
Concen: 0.23 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

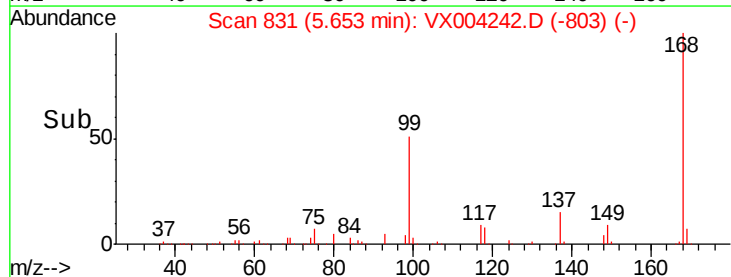
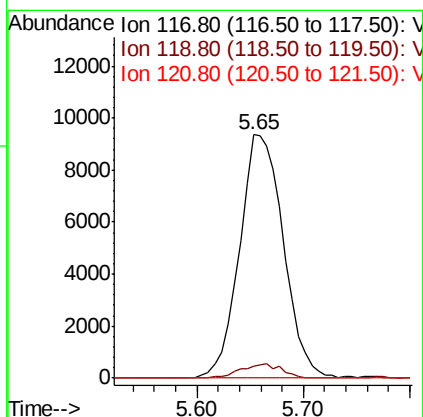
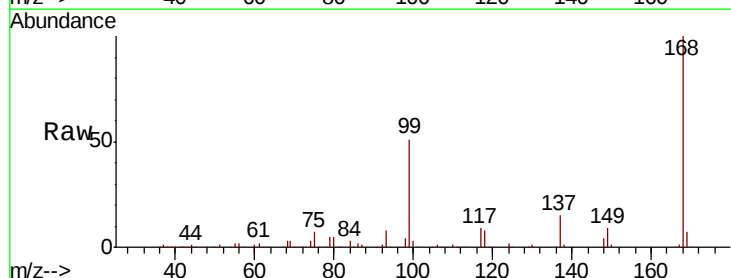
Instrument :
MSVOA_X
ClientSampleId :
FL-0542DL

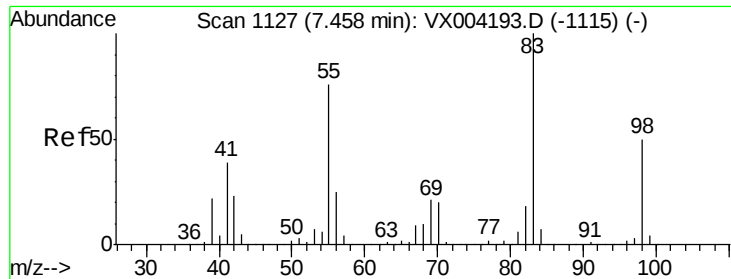
Tot Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
61 13.2 11.5 17.3
70 3.9 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 5.38 ug/l
RT: 5.65 min Scan# 831
Delta R.T. -0.13 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion: 117 Resp: 26940
Ion Ratio Lower Upper
117 100
119 4.7 78.8 118.2#
121 0.0 24.9 37.3#

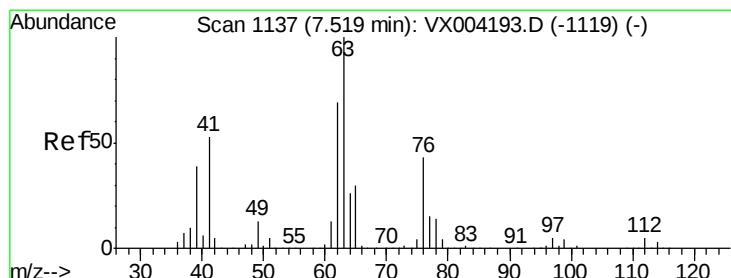
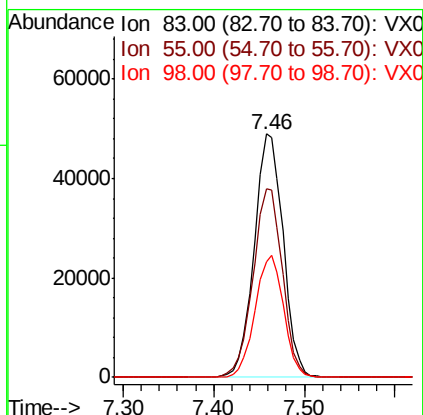
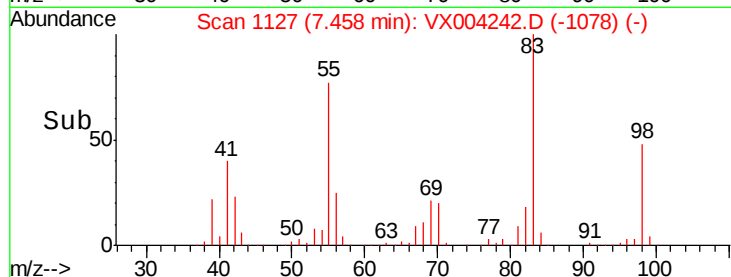
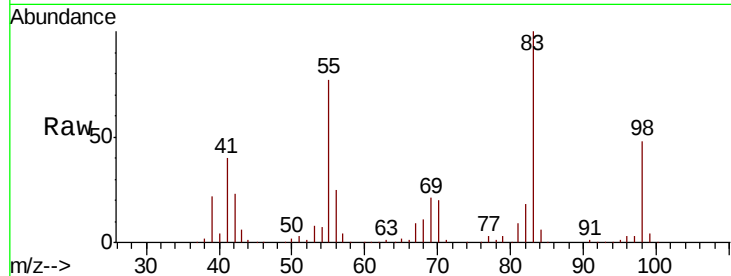




#39
Methvlcvclohexane
Concen: 17.74 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

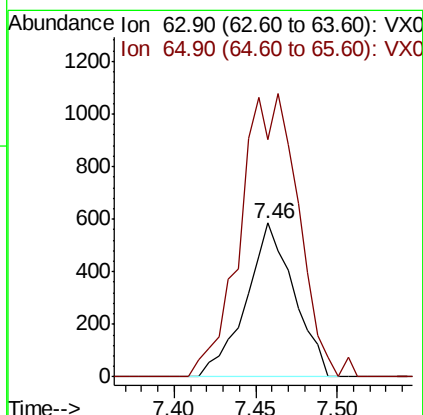
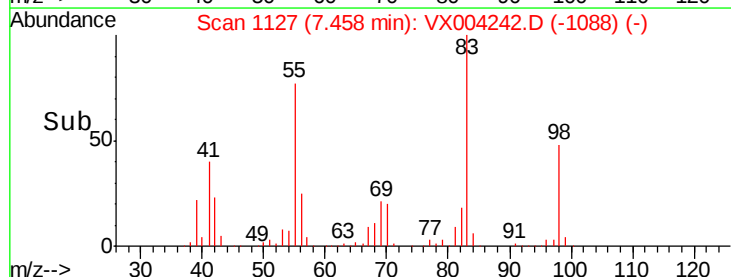
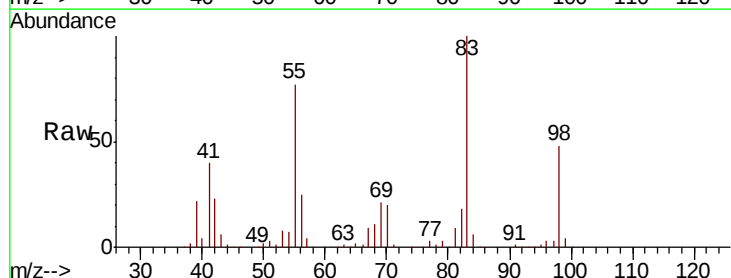
Instrument :
MSVOA_X
ClientSampleId :
FL-0542DL

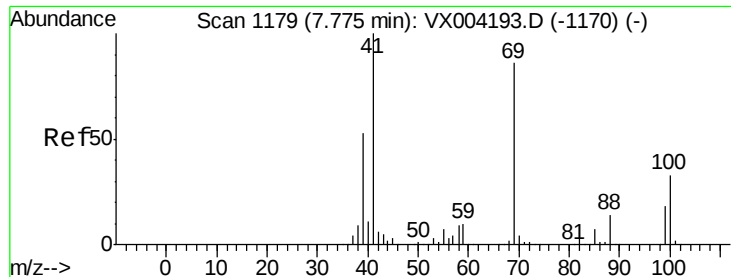
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	47.7	39.6	59.4



#45
1,2-Dichloropropane
Concen: 0.30 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.06 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
65	154.3	24.3	36.5#

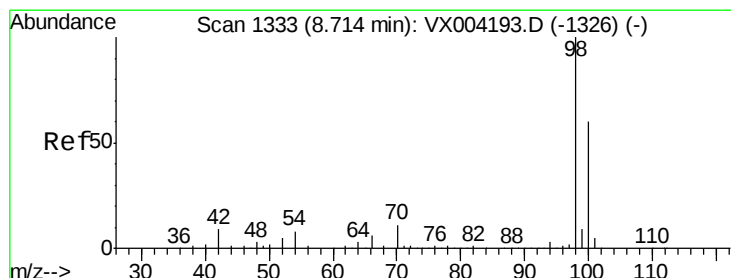
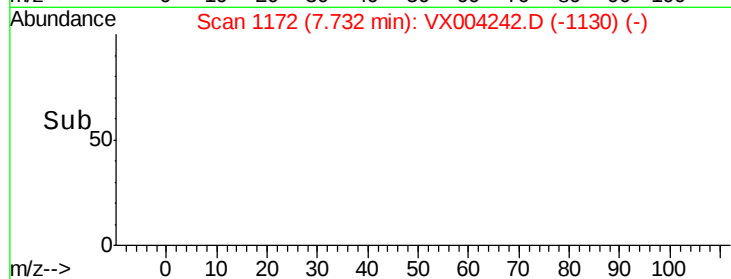
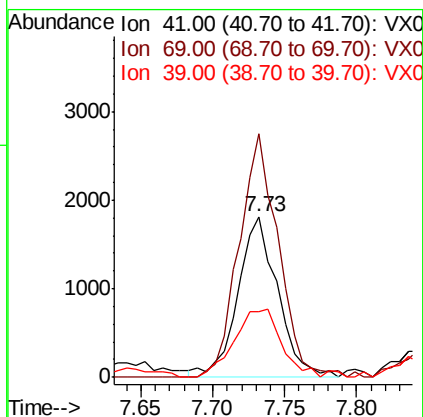
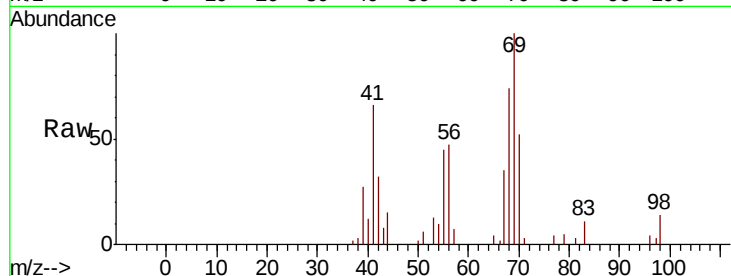




#48
Methyl methacrylate
Concen: 0.81 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.04 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

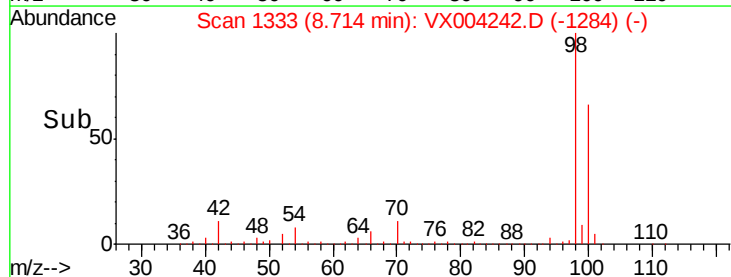
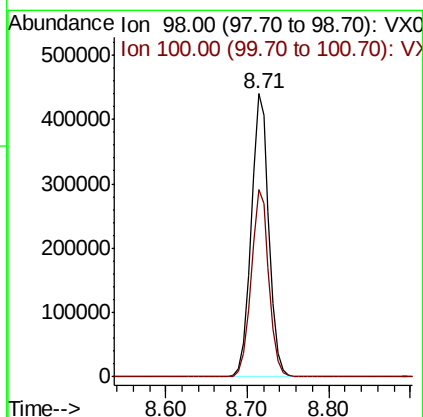
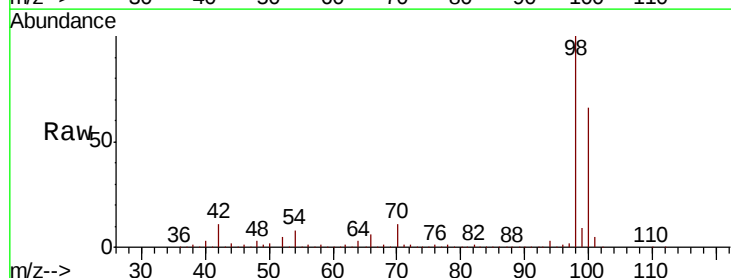
Instrument :
MSVOA_X
ClientSampleId :
FL-0542DL

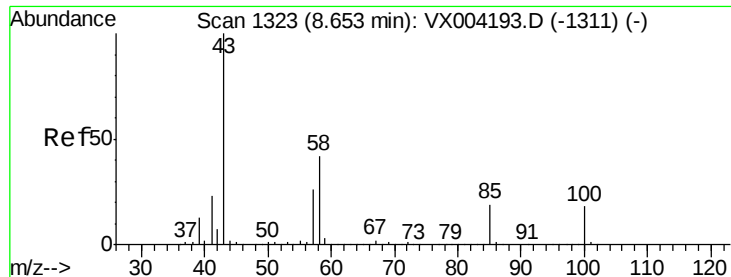
Tot Ion: 41 Resp: 3492
Ion Ratio Lower Upper
41 100
69 149.4 70.2 105.4#
39 49.7 42.7 64.1



#50
Toluene-d8
Concen: 50.02 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion: 98 Resp: 665185
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

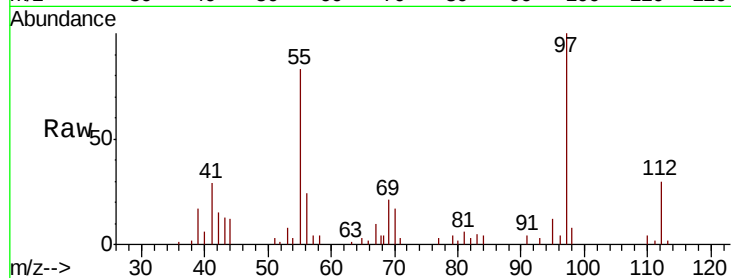
FL-0542DL

Tot Ion: 43 Resp: 1183

Ion Ratio Lower Upper

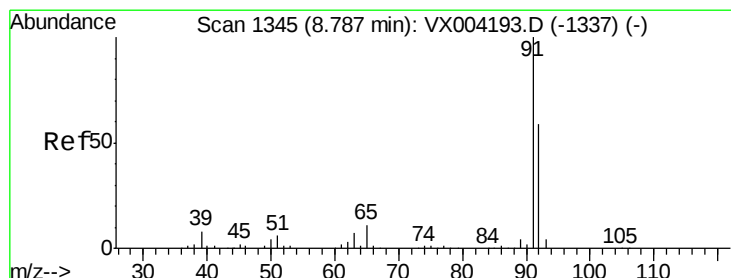
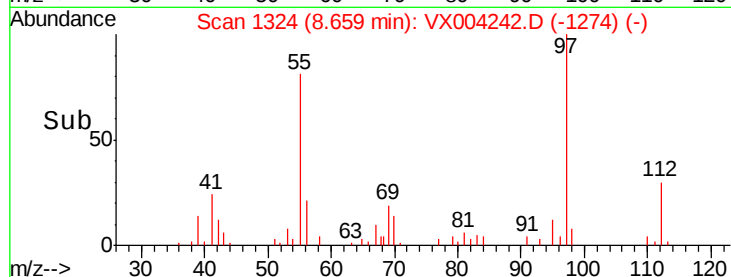
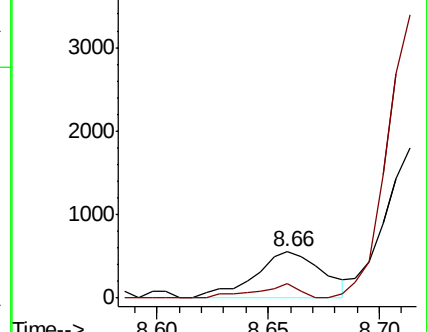
43 100

58 19.1 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.22 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004242.D

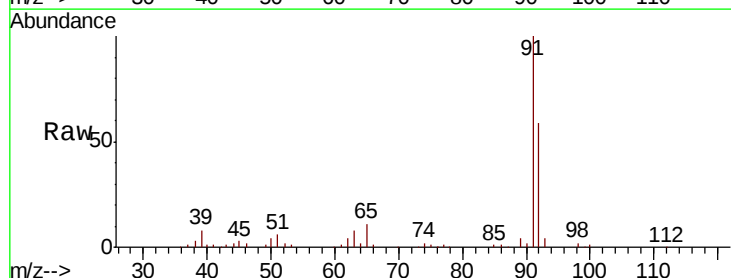
Acq: 24 Aug 2018 13:09

Tgt Ion: 92 Resp: 22081

Ion Ratio Lower Upper

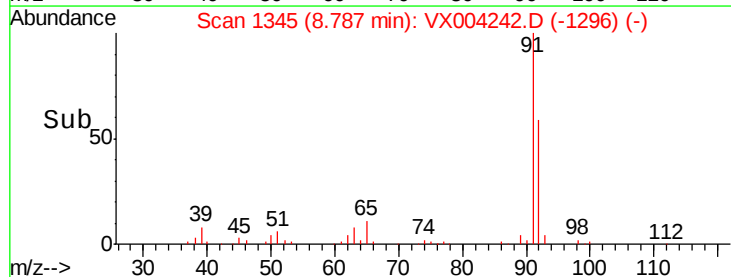
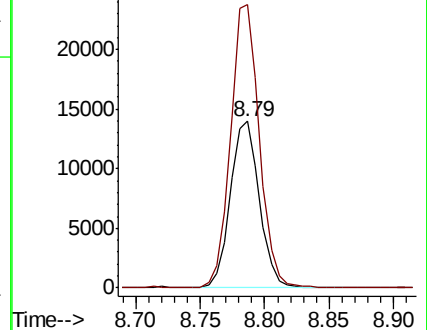
92 100

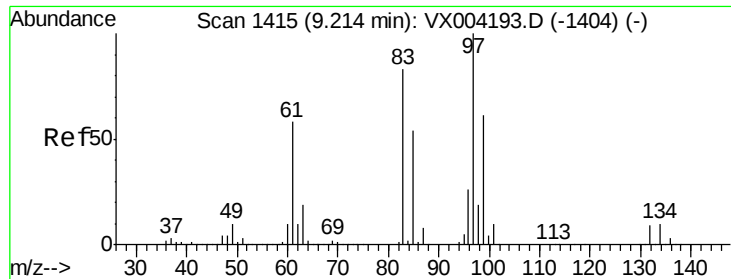
91 168.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

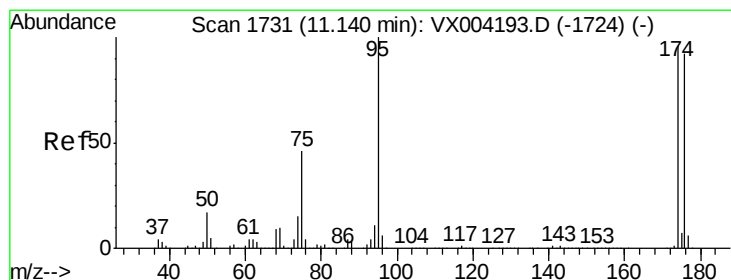
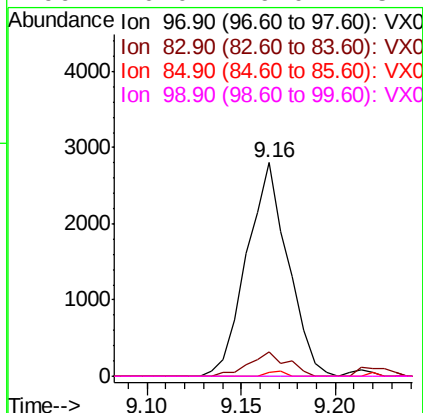
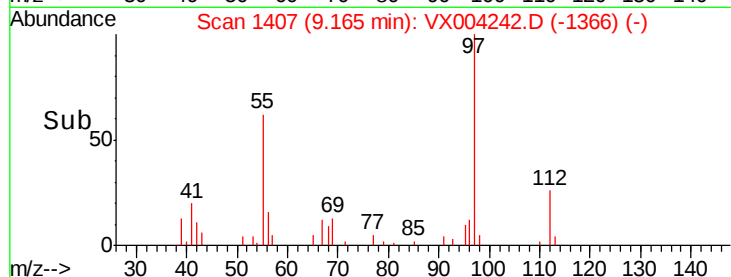
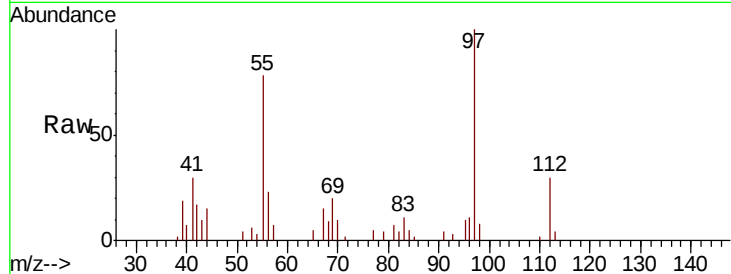




#55
 1,1,2-Trichloroethane
 Concen: 1.06 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

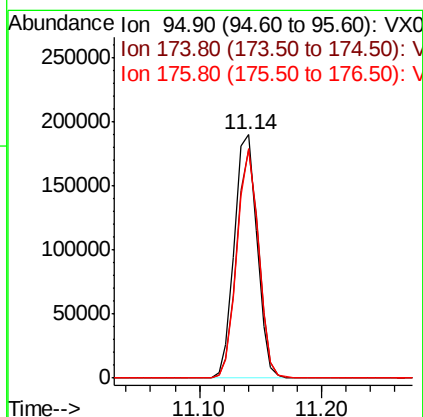
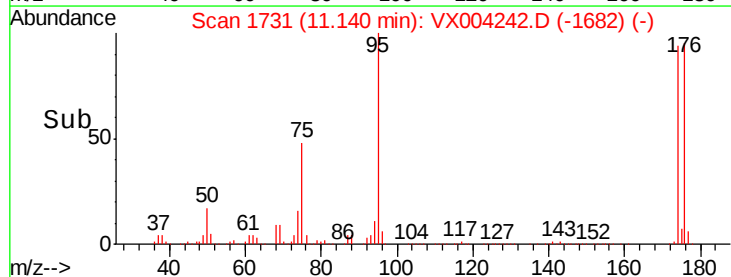
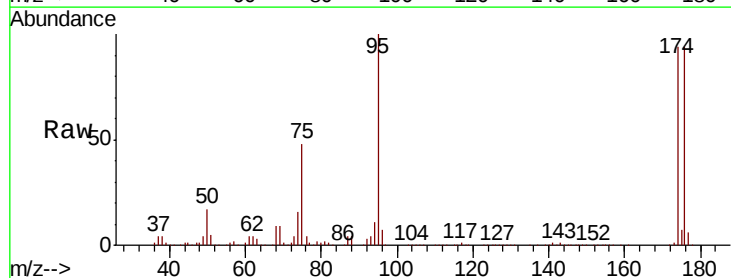
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0542DL

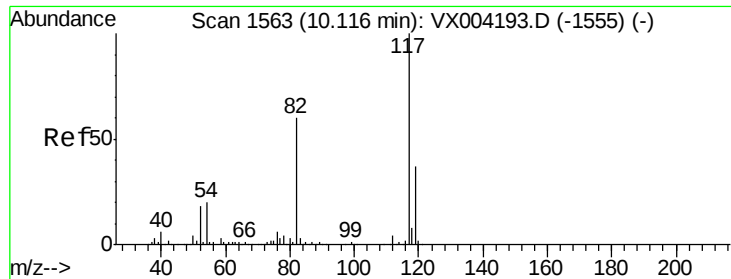
Tot Ion	Ratio	Lower	Upper
97	100		
83	11.3	66.4	99.6#
85	1.8	43.3	64.9#
99	0.0	49.0	73.4#



#62
 4-Bromofluorobenzene
 Concen: 49.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	185.2
176	89.3	0.0	178.6

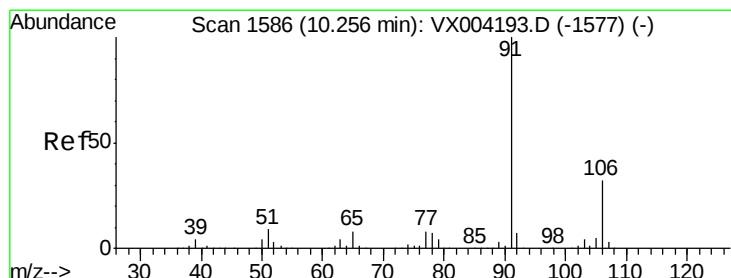
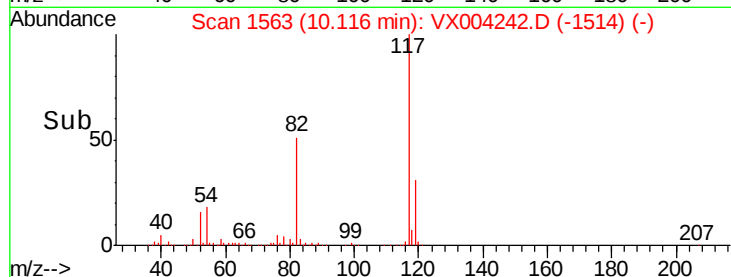
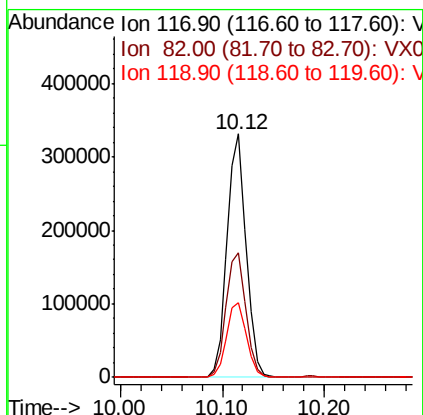
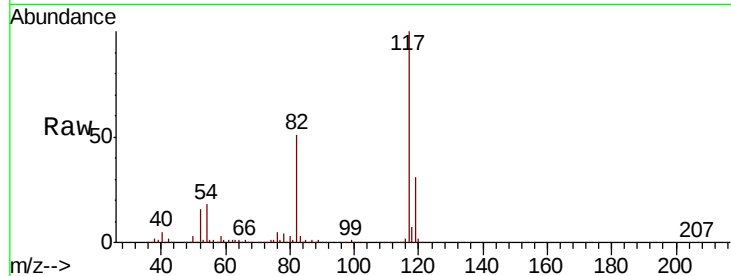




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

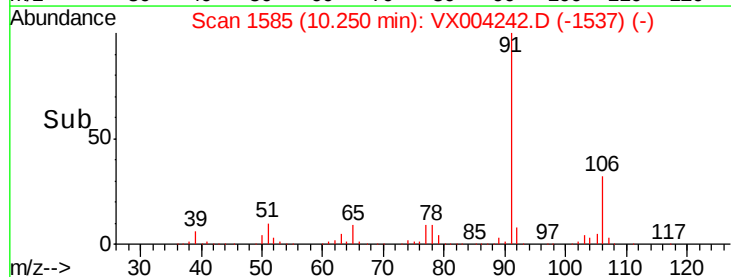
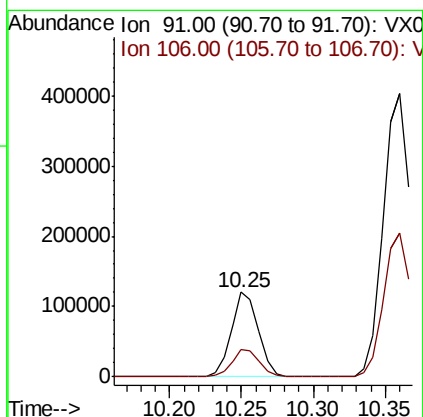
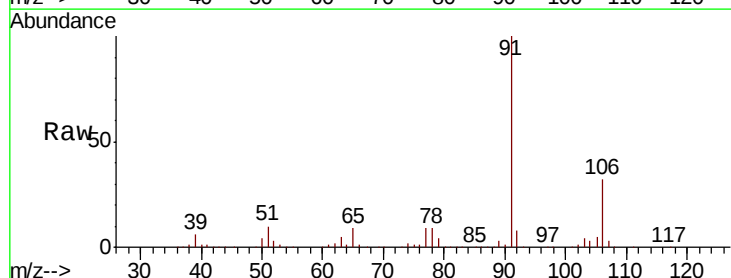
Instrument :
MSVOA_X
ClientSampleId :
FL-0542DL

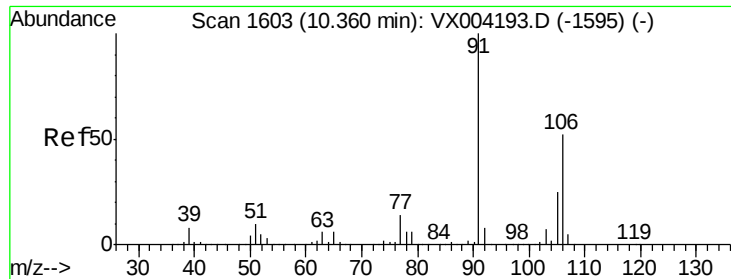
Tot Ion:117 Resp: 426206
Ion Ratio Lower Upper
117 100
82 51.4 47.8 71.6
119 30.5 29.3 43.9



#67
Ethyl Benzene
Concen: 9.17 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion: 91 Resp: 159227
Ion Ratio Lower Upper
91 100
106 32.3 25.9 38.9

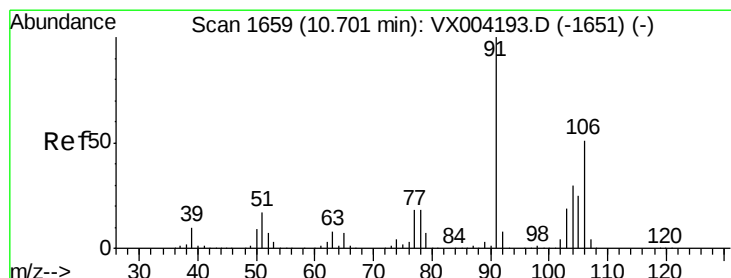
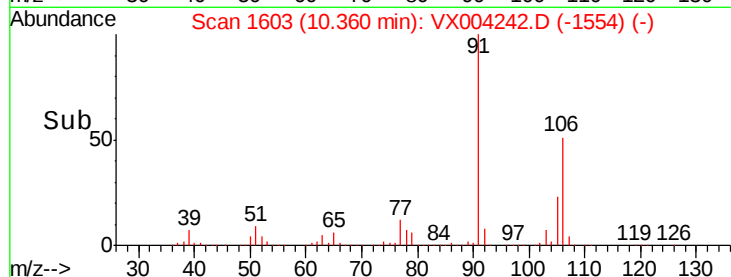
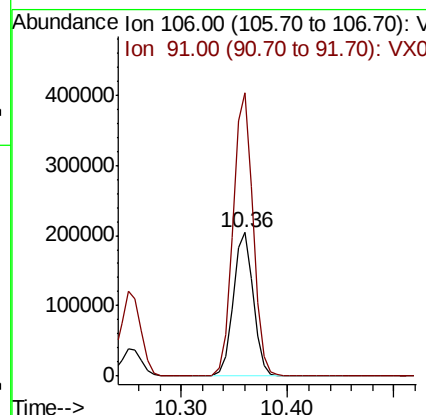
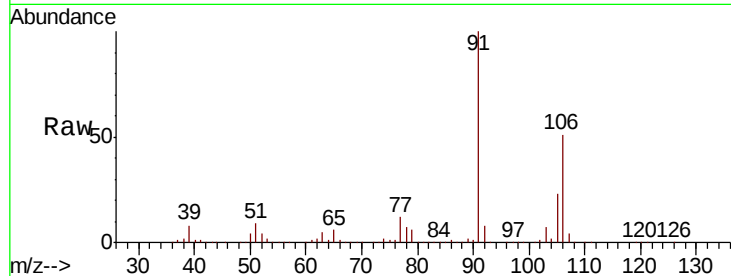




#68
m/p-Xylenes
Concen: 39.61 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

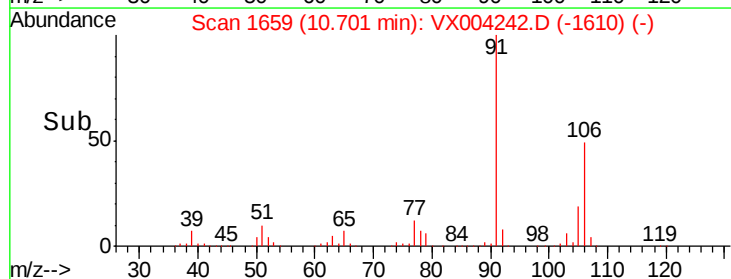
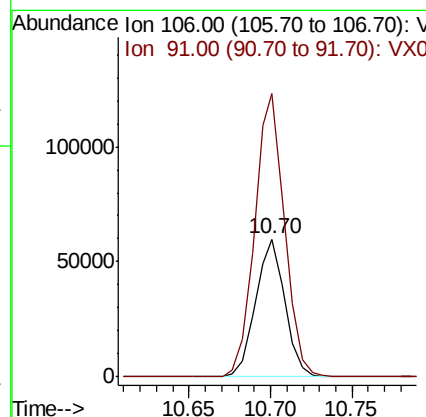
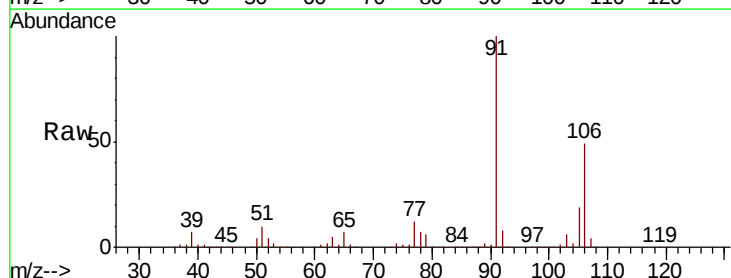
Instrument :
MSVOA_X
ClientSampled :
FL-0542DL

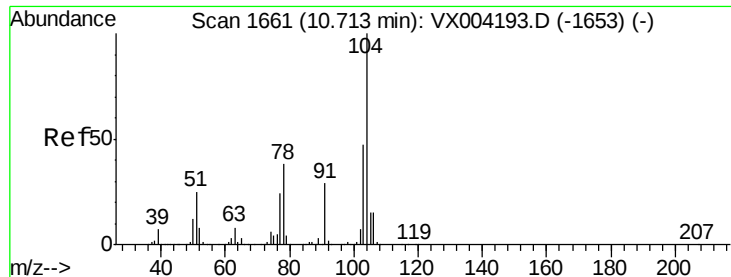
Tot Ion:106 Resp: 269026
Ion Ratio Lower Upper
106 100
91 196.8 157.1 235.7



#69
o-Xylene
Concen: 11.59 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion:106 Resp: 74480
Ion Ratio Lower Upper
106 100
91 209.6 105.1 315.1





#70

Stvrene

Concen: 0.41 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0542DL

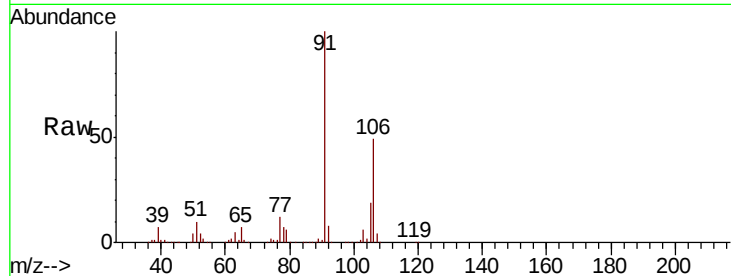
Tot Ion:104 Resp: 4247

Ion Ratio Lower Upper

104 100

78 256.9 37.4 56.0#

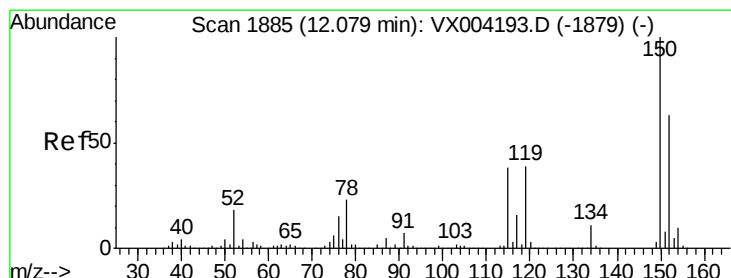
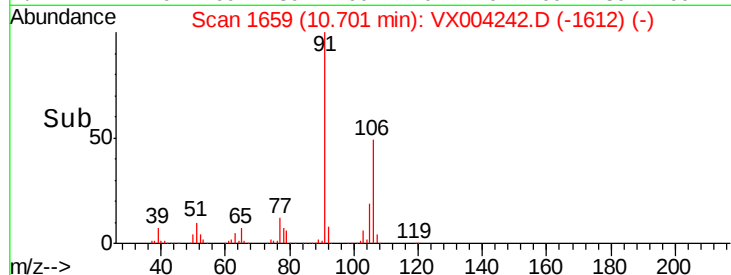
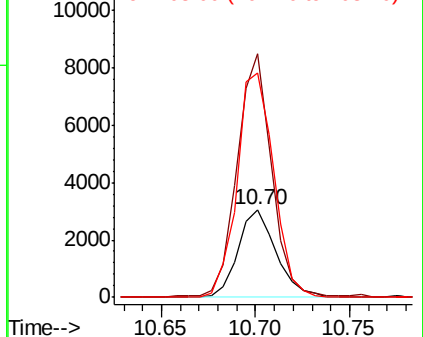
103 247.5 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

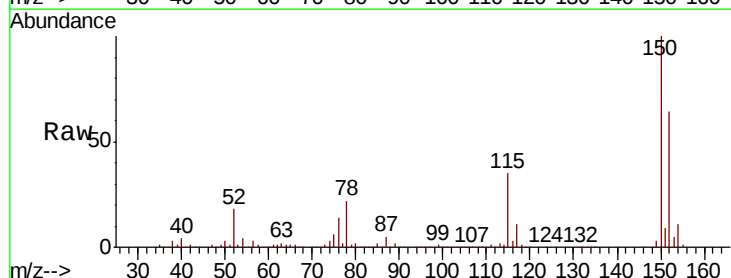
Tgt Ion:152 Resp: 259784

Ion Ratio Lower Upper

152 100

115 54.3 39.0 117.0

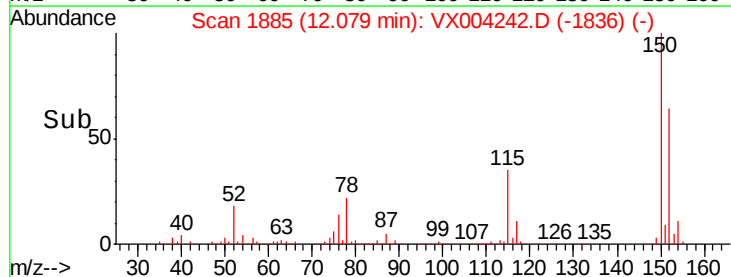
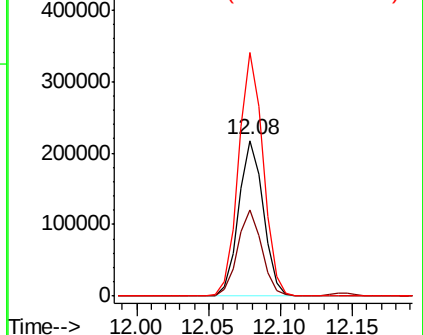
150 155.9 0.0 351.0

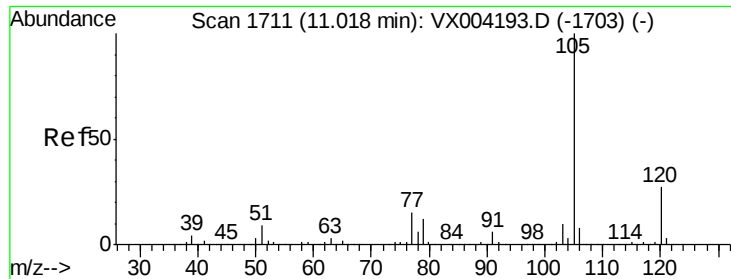


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.23 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleID :

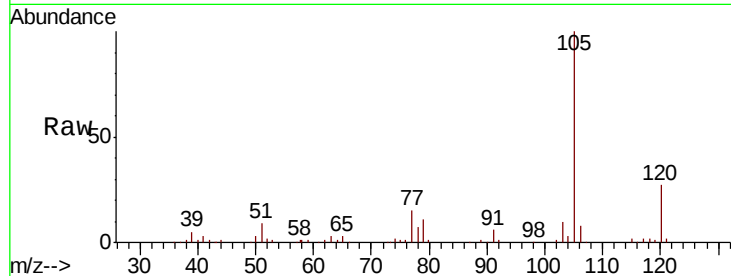
FL-0542DL

Tot Ion:105 Resp: 38120

Ion Ratio Lower Upper

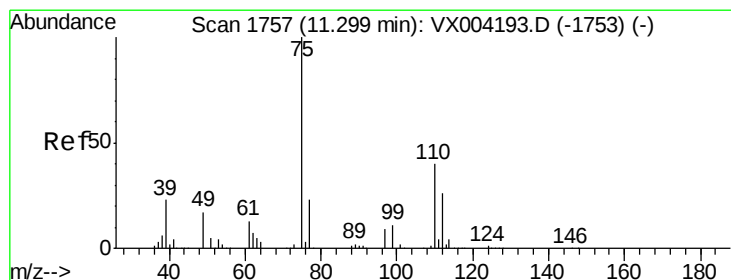
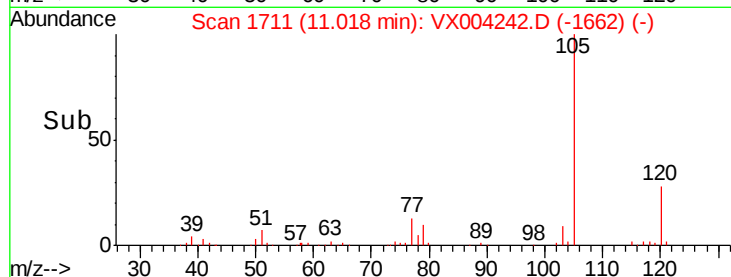
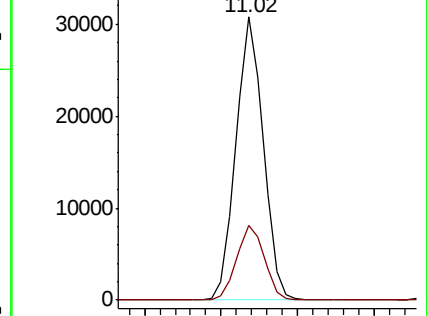
105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 22.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004242.D

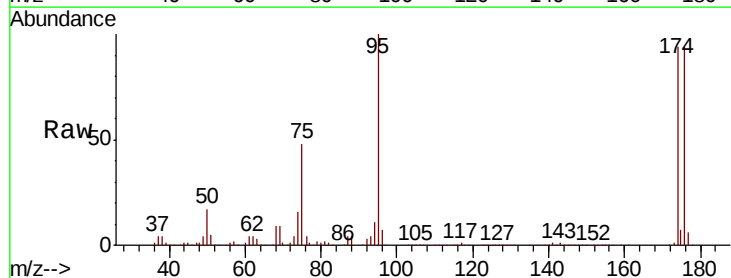
Acq: 24 Aug 2018 13:09

Tgt Ion: 75 Resp: 116814

Ion Ratio Lower Upper

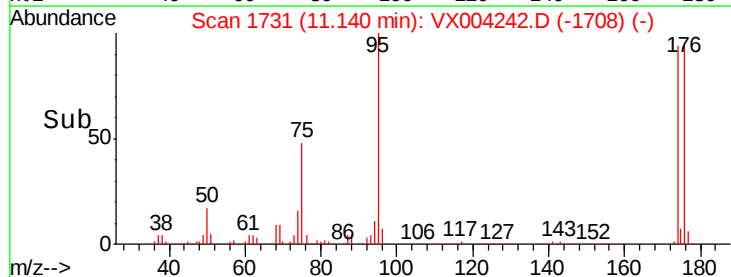
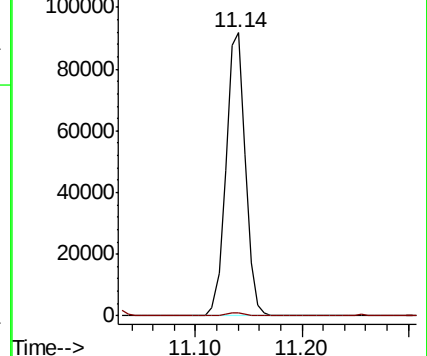
75 100

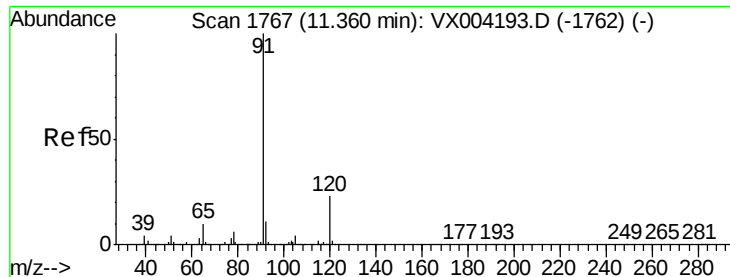
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 3.77 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

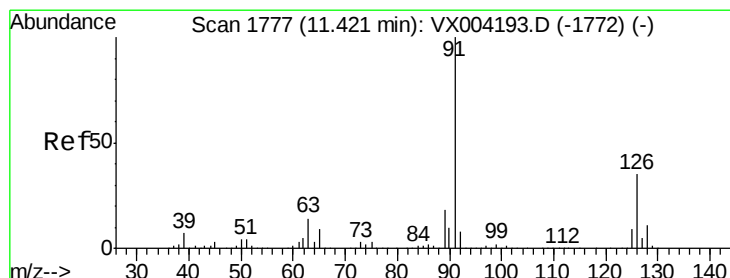
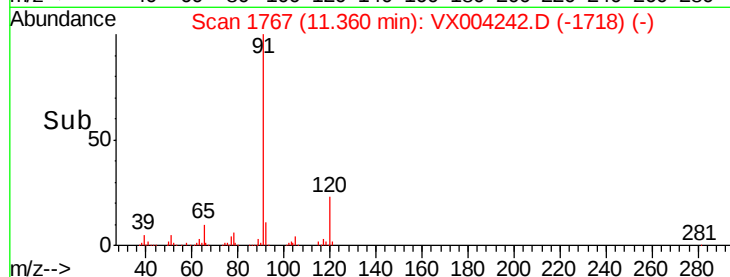
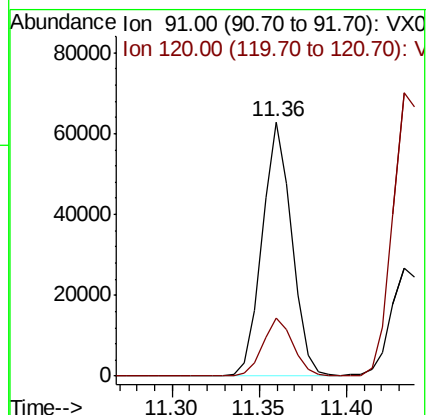
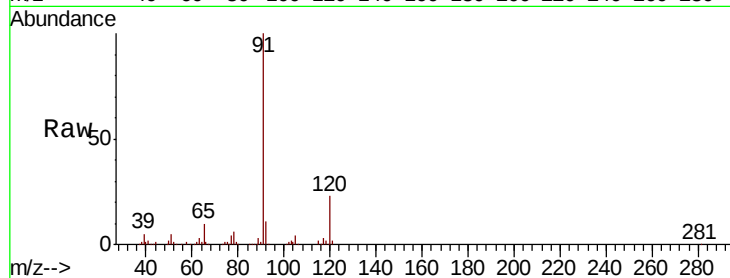
FL-0542DL

Tot Ion: 91 Resp: 73890

Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.9



#79

2-Chlorotoluene

Concen: 3.76 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX004242.D

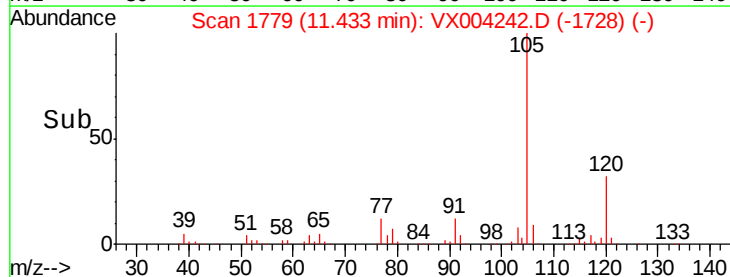
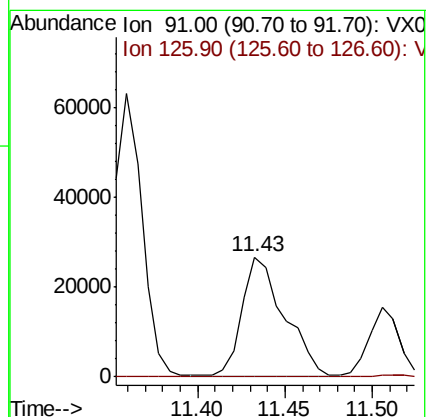
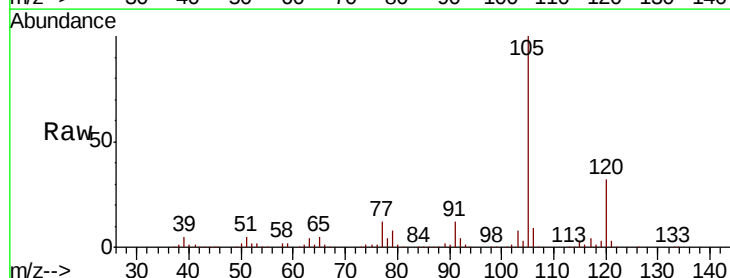
Acq: 24 Aug 2018 13:09

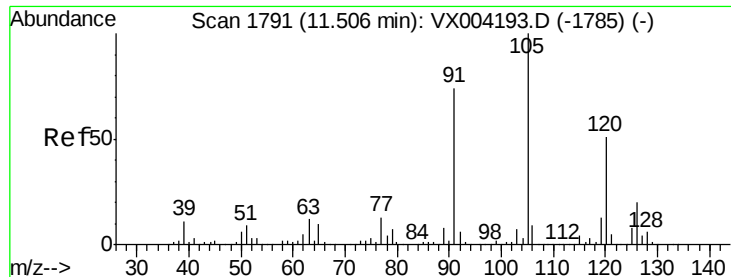
Tgt Ion: 91 Resp: 45420

Ion Ratio Lower Upper

91 100

126 0.6 17.9 53.7#

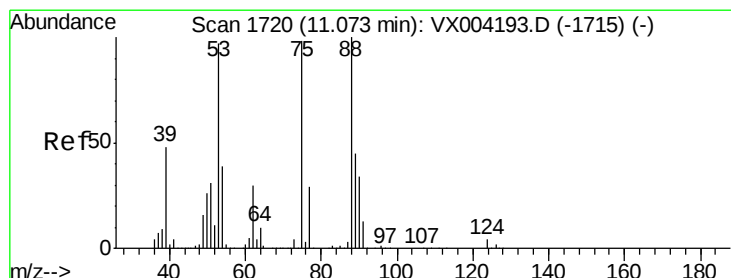
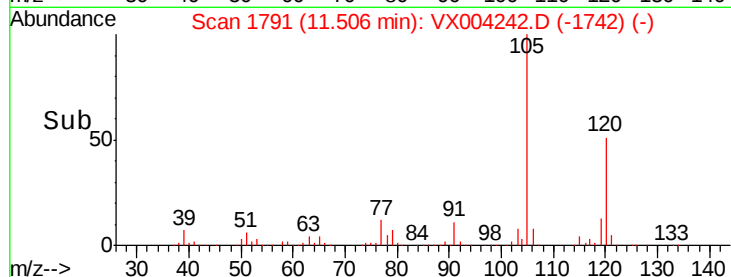
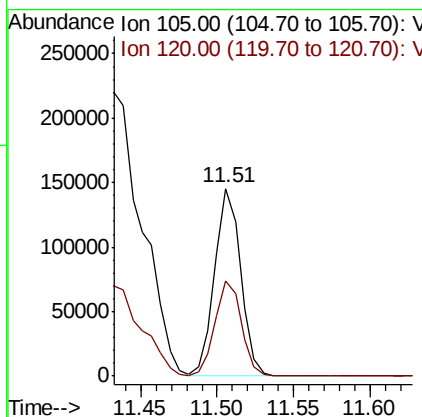
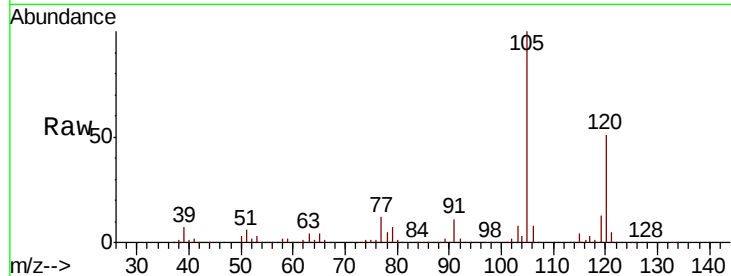




#80
 1,3,5-Trimethylbenzene
 Concen: 12.24 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

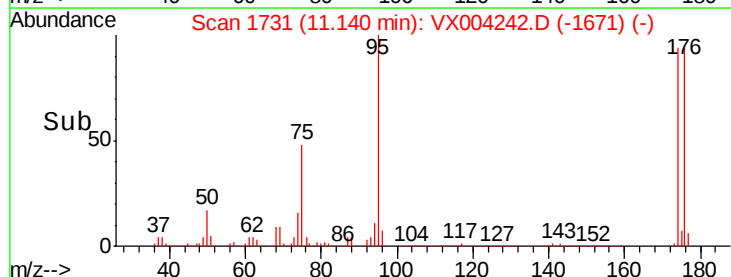
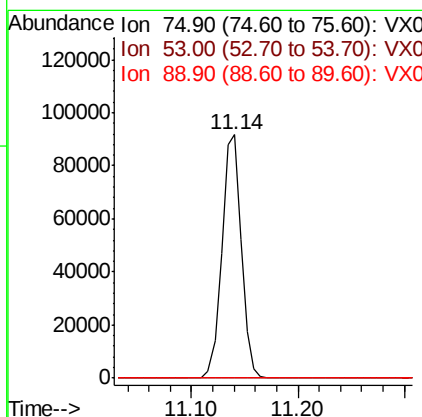
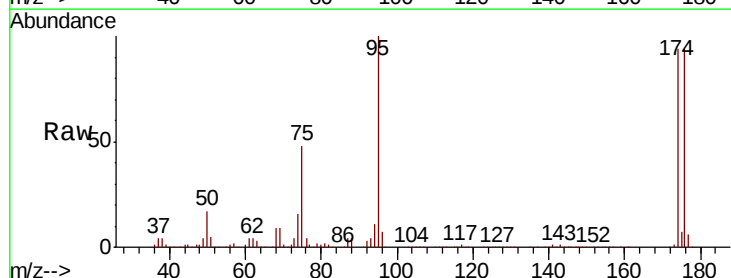
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0542DL

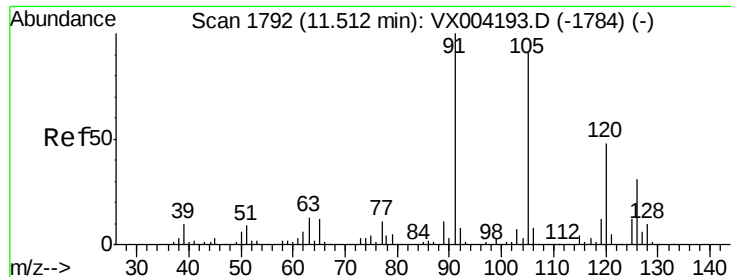
Tot Ion:105 Resp: 172949
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.73 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

Tgt Ion: 75 Resp: 116814
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 1.32 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

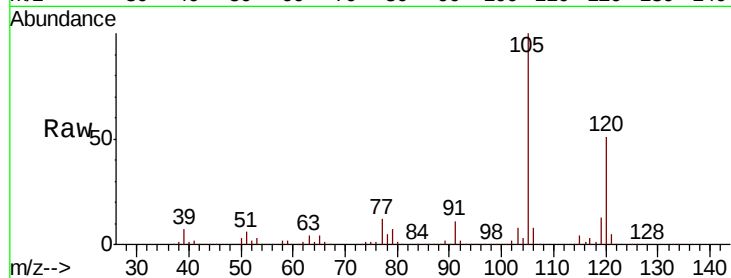
FL-0542DL

Tot Ion: 91 Resp: 18793

Ion Ratio Lower Upper

91 100

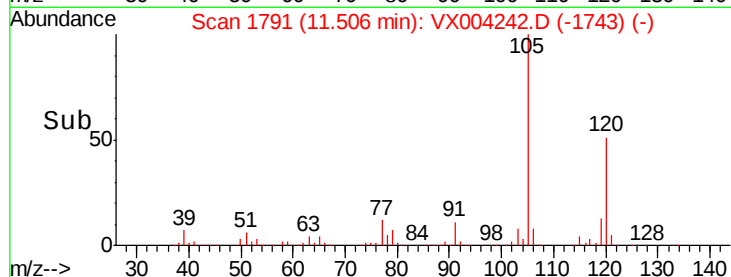
126 2.1 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1784) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1784) (-)

Time-->

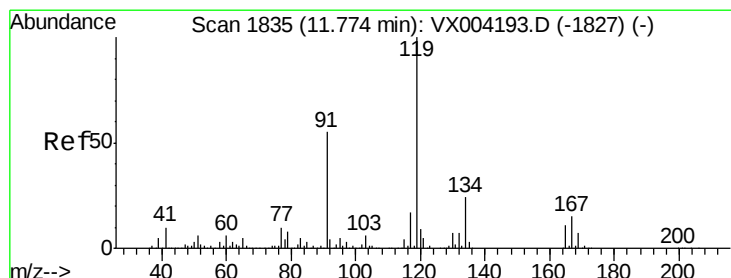


Abundance

Ion 91.00 (90.70 to 91.70): VX004193.D (-1784) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1784) (-)

Time-->



#83

tert-Butylbenzene

Concen: 0.30 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

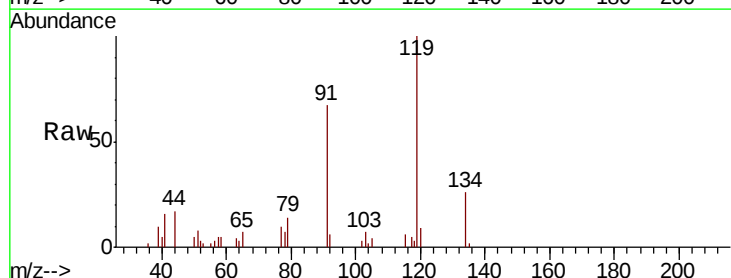
Tgt Ion: 119 Resp: 4235

Ion Ratio Lower Upper

119 100

91 66.3 27.0 81.0

134 24.7 11.7 35.1

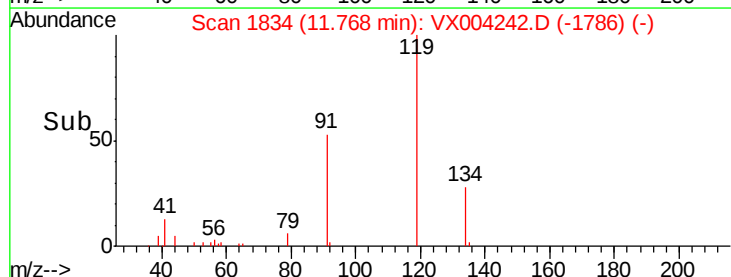


Abundance Ion 119.00 (118.70 to 119.70): VX004193.D (-1827) (-)

Ion 91.00 (90.70 to 91.70): VX004193.D (-1827) (-)

Ion 134.00 (133.70 to 134.70): VX004193.D (-1827) (-)

Time-->



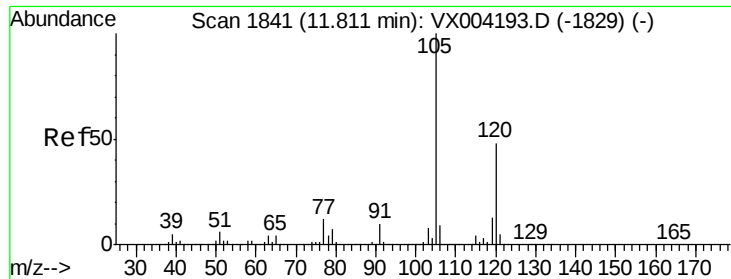
Abundance

Ion 119.00 (118.70 to 119.70): VX004193.D (-1827) (-)

Ion 91.00 (90.70 to 91.70): VX004193.D (-1827) (-)

Ion 134.00 (133.70 to 134.70): VX004193.D (-1827) (-)

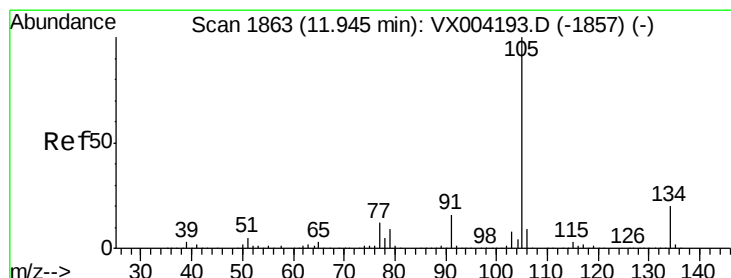
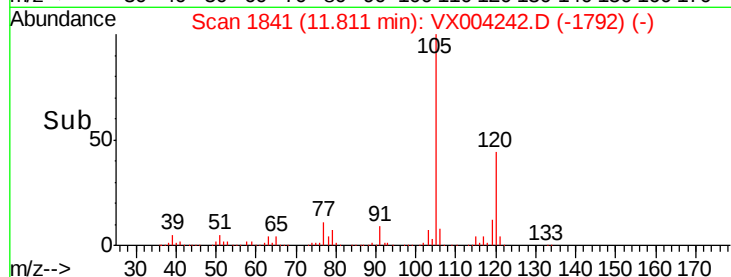
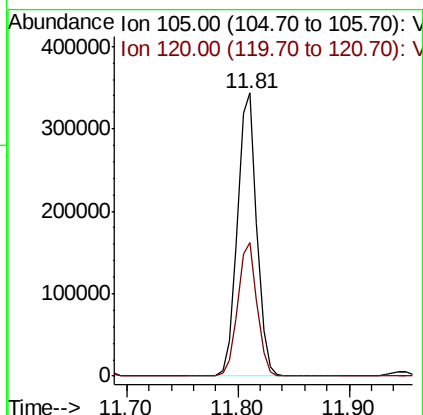
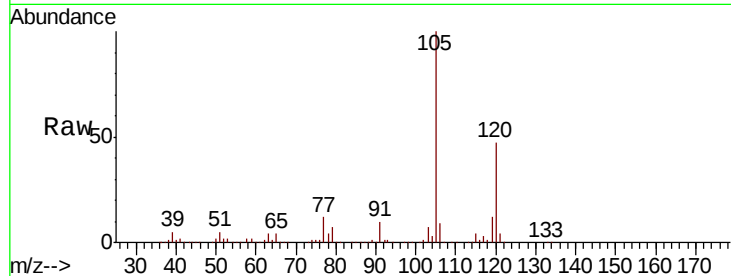
Time-->



#84
 1,2,4-Trimethylbenzene
 Concen: 28.35 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

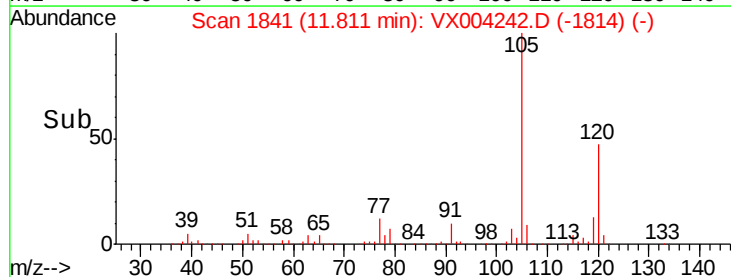
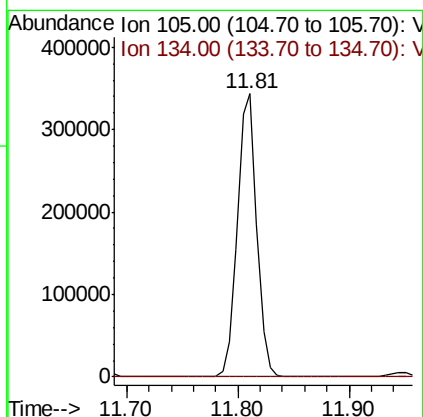
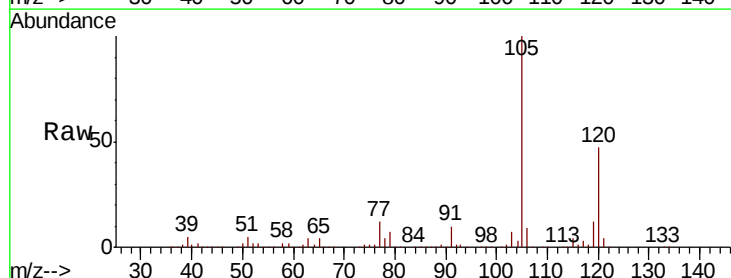
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0542DL

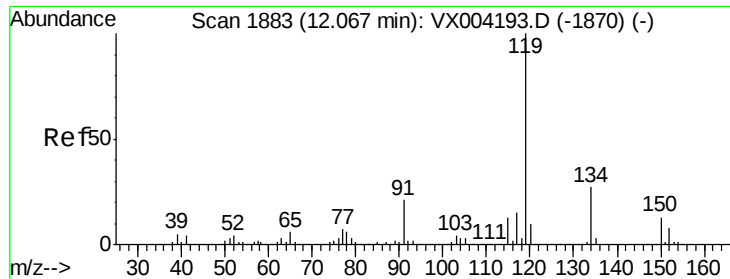
Tot Ion:105 Resp: 411134
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 24.36 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.13 min
 Lab File: VX004242.D
 Acq: 24 Aug 2018 13:09

Tgt Ion:105 Resp: 411073
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

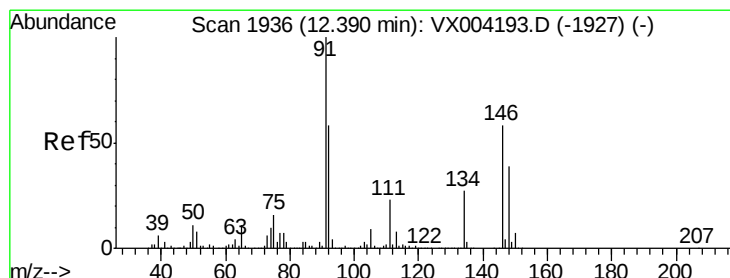
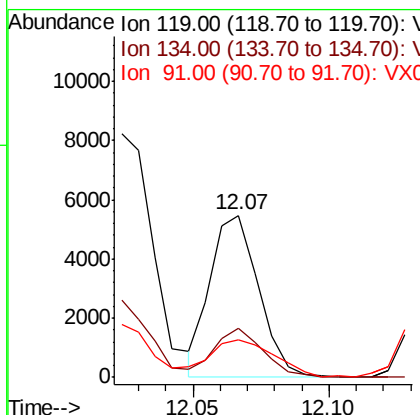
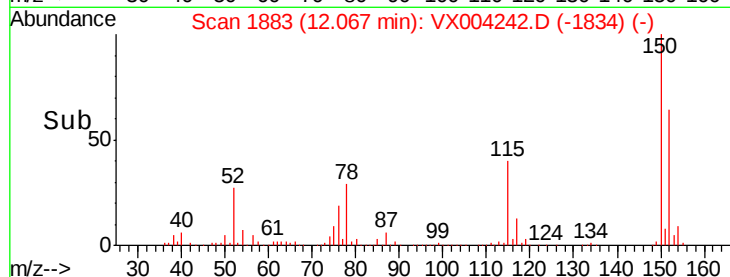
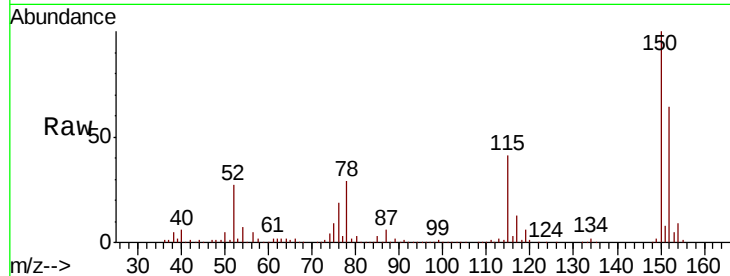




#86
p-Isopropyltoluene
Concen: 0.45 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

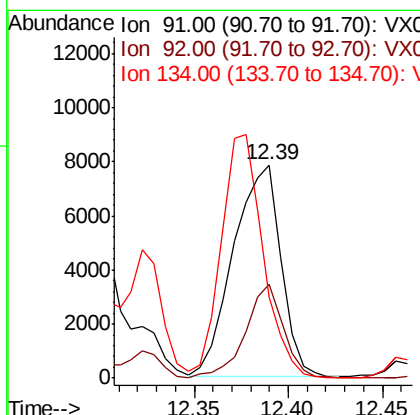
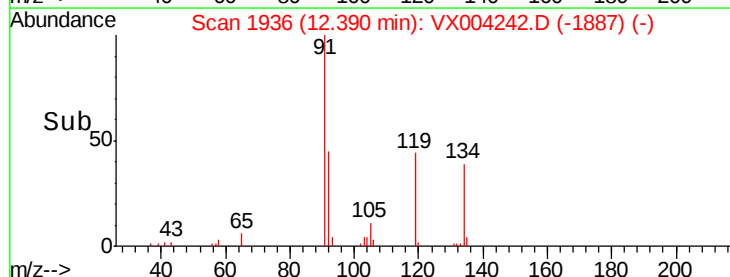
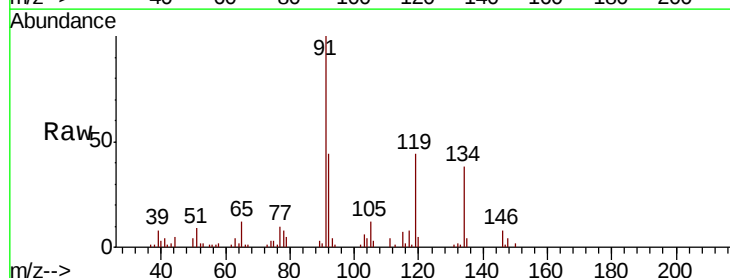
Instrument :
MSVOA_X
ClientSampleID :
FL-0542DL

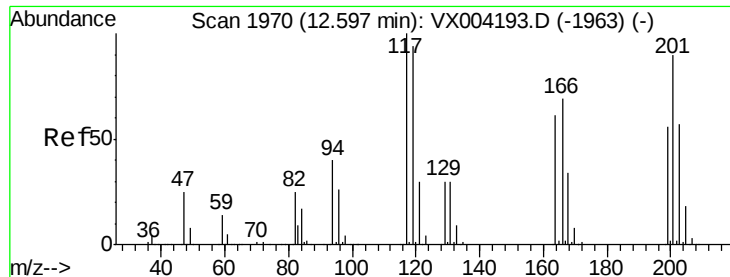
Tot Ion:119 Resp: 6801
Ion Ratio Lower Upper
119 100
134 30.2 13.4 40.2
91 32.1 10.9 32.7



#89
n-Butylbenzene
Concen: 1.11 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Tgt Ion: 91 Resp: 13703
Ion Ratio Lower Upper
91 100
92 35.5 27.3 81.9
134 100.8 13.6 40.7#





#90

Hexachloroethane

Concen: 0.73 ug/l

RT: 12.61 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

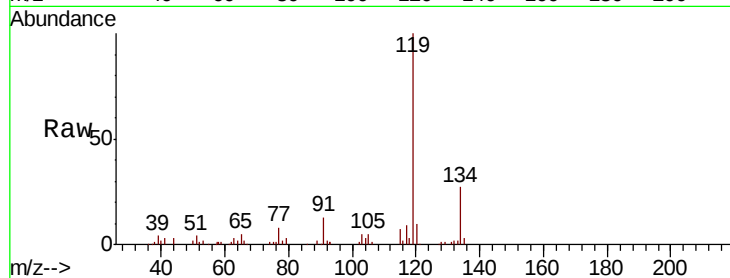
FL-0542DL

Tot Ion:117 Resp: 1547

Ion Ratio Lower Upper

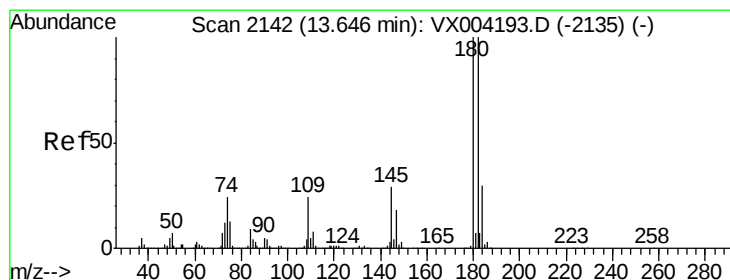
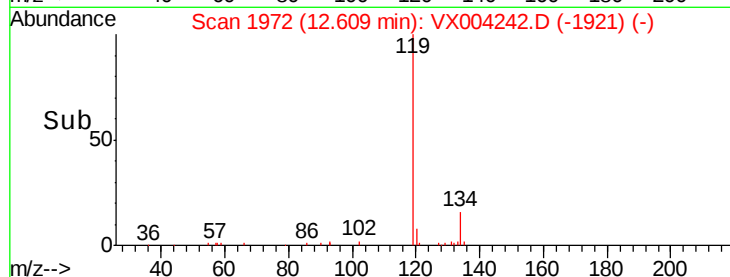
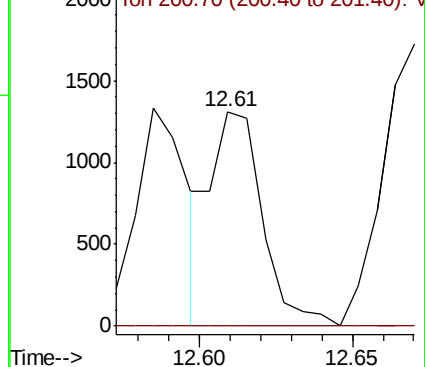
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.21 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004242.D

Acq: 24 Aug 2018 13:09

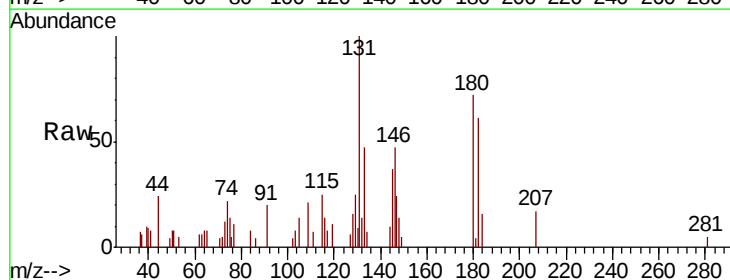
Tgt Ion:180 Resp: 1232

Ion Ratio Lower Upper

180 100

182 88.9 48.4 145.0

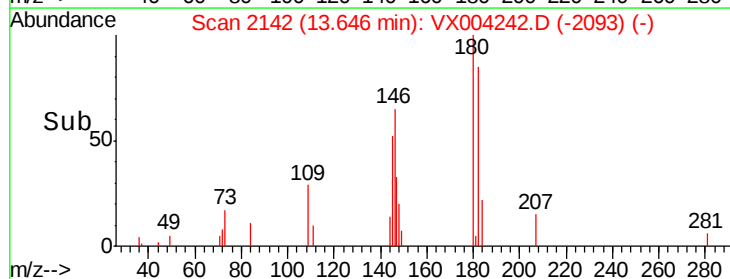
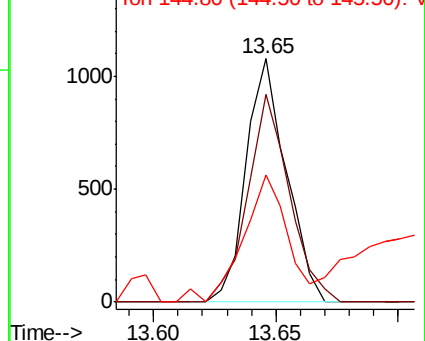
145 57.8 14.3 42.9#

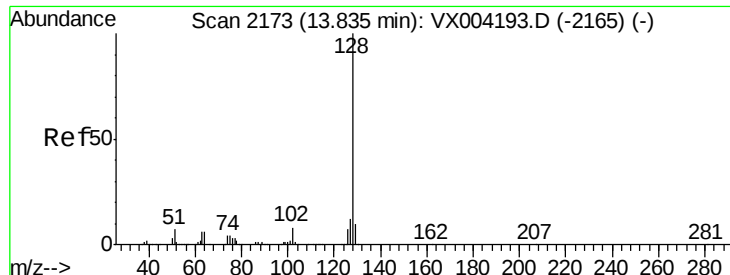


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95
Naphthalene
Concen: 3.25 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004242.D
Acq: 24 Aug 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
FL-0542DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.2
129	11.3	8.6	12.8

