

Data File : VX008830.D
Acq On : 11 Apr 2019 01:55
Operator : JC/SP
Sample : K2316-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-5

Quant Time: Apr 11 05:59:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	129341	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
35) Dibromofluoromethane	5.49	113	74383	37.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.62%	
50) Toluene-d8	8.71	98	395259	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	133627	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

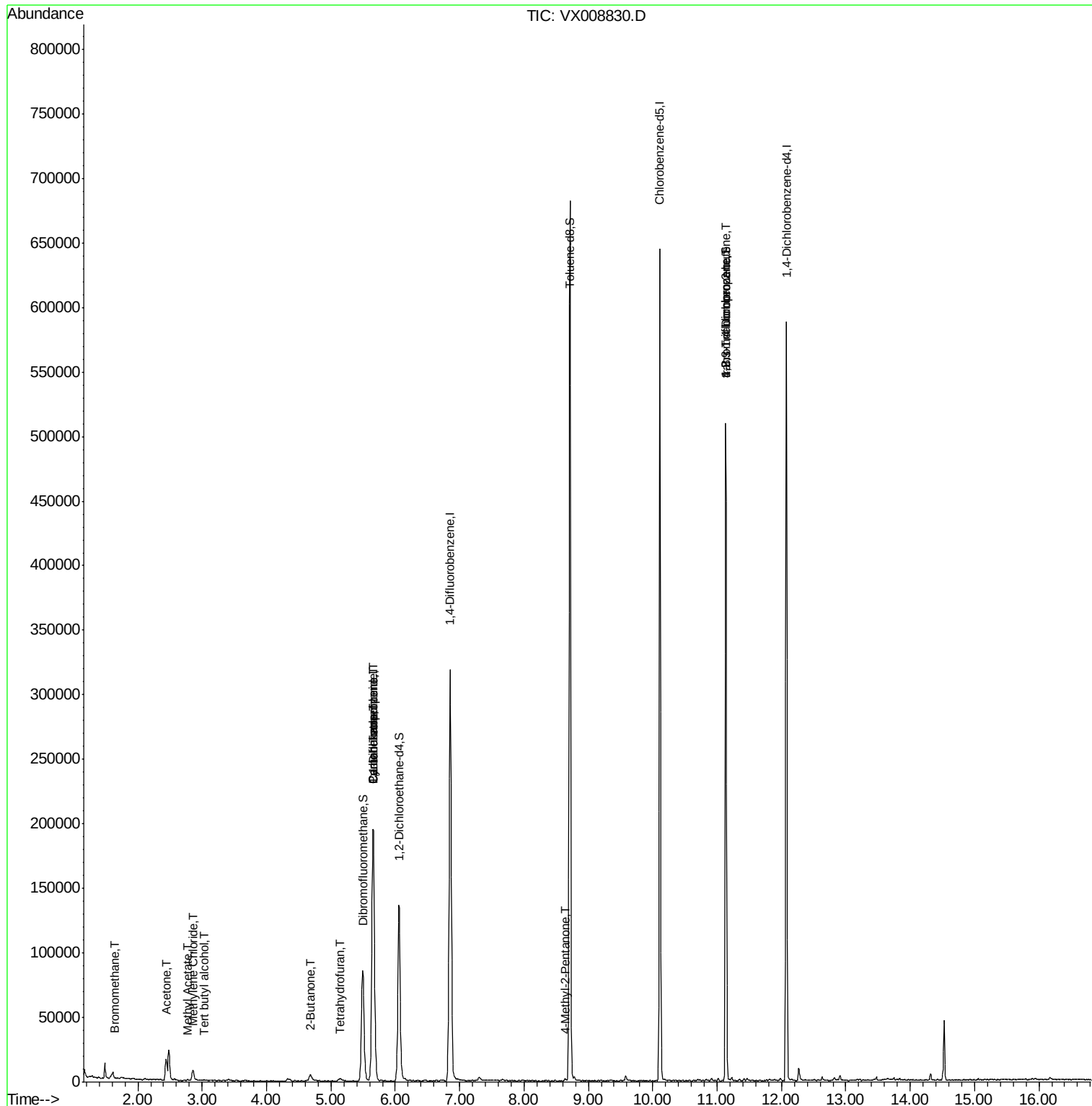
					Qvalue
3) Chloromethane	1.32	50	247	Below Cal	98
5) Bromomethane	1.64	94	150	1.983 ug/l	92
6) Chloroethane	1.78	64	22	Below Cal #	43
11) Tert butyl alcohol	3.04	59	546	0.833 ug/l #	85
16) Acetone	2.44	43	18023	11.182 ug/l	98
17) Carbon Disulfide	2.57	76	1186	Below Cal #	64
18) Methyl Acetate	2.77	43	1438	0.368 ug/l	96
20) Methylene Chloride	2.85	84	3664	1.358 ug/l	96
25) 2-Butanone	4.68	43	4889	1.919 ug/l	93
28) Bromochloromethane	5.03	49	22	Below Cal #	22
29) Tetrahydrofuran	5.13	42	2223	1.315 ug/l	95
31) Cyclohexane	5.66	56	4296	0.889 ug/l #	2
36) 1,1-Dichloropropene	5.65	75	15294	4.487 ug/l #	50
38) Carbon Tetrachloride	5.66	117	18124	6.425 ug/l #	16
51) 4-Methyl-2-Pentanone	8.63	43	1353	0.295 ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	68207	20.884 ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	68207	57.568 ug/l #	9

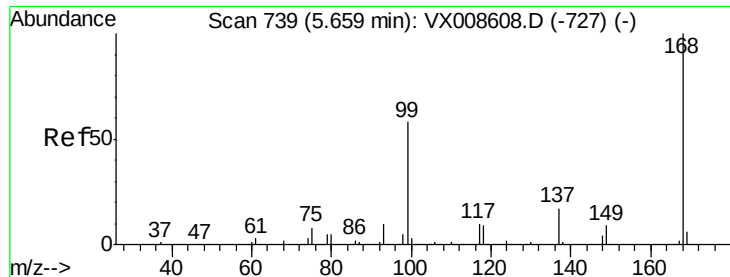
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

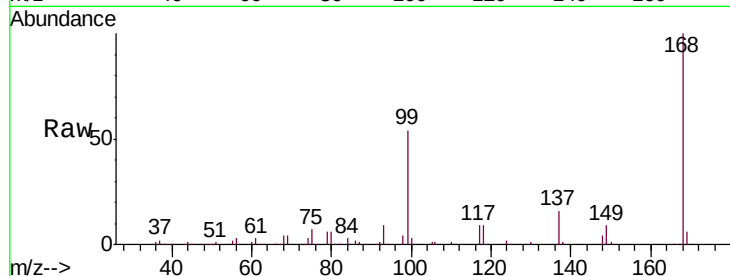
SPLP-LECHATE-AMND-CS-5

Tgt Ion:168 Resp: 191854

Ion Ratio Lower Upper

168 100

99 54.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

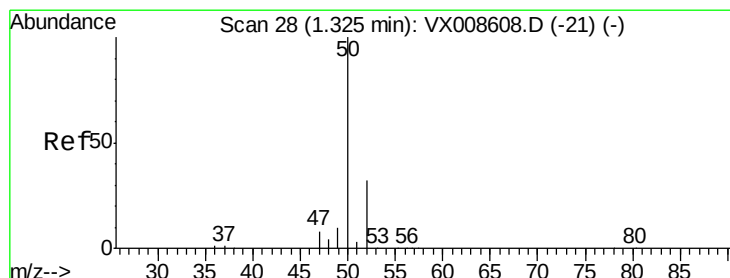
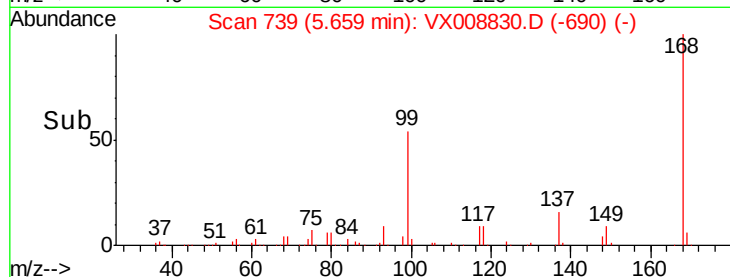
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008830.D

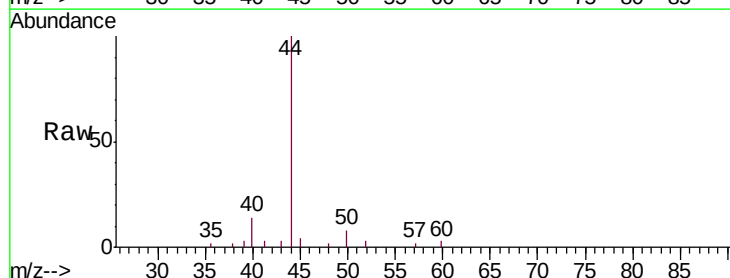
Acq: 11 Apr 2019 01:55

Tgt Ion: 50 Resp: 247

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

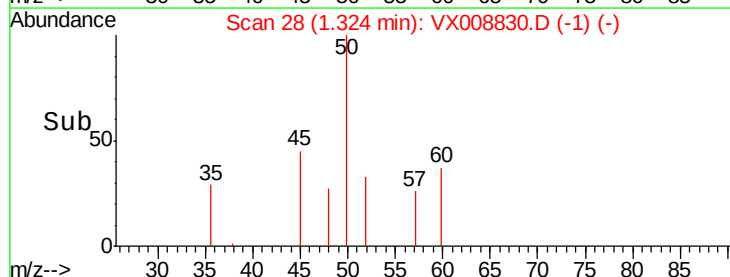
150

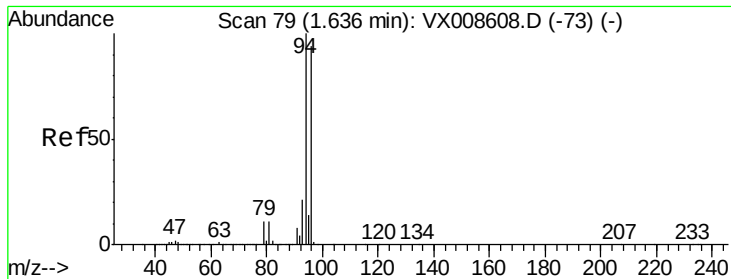
100

50

0

Time--> 1.30 1.32 1.34





#5

Bromomethane

Concen: 1.983 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

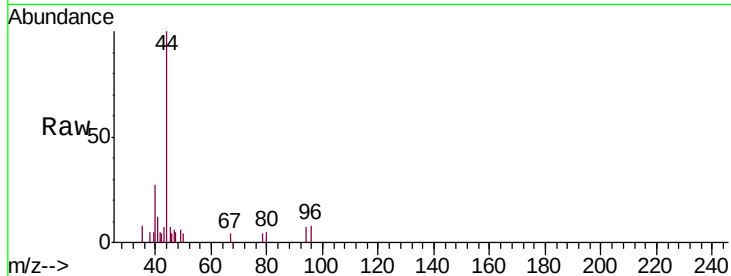
SPLP-LECHATE-AMND-CS-5

Tgt Ion: 94 Resp: 150

Ion Ratio Lower Upper

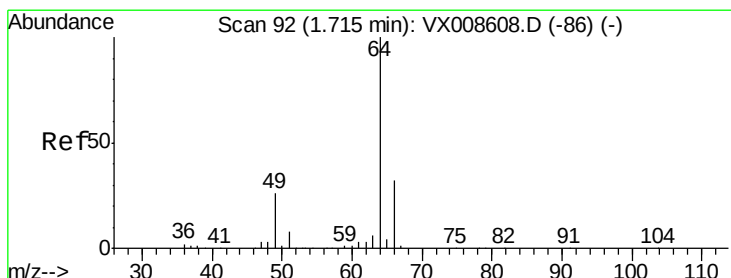
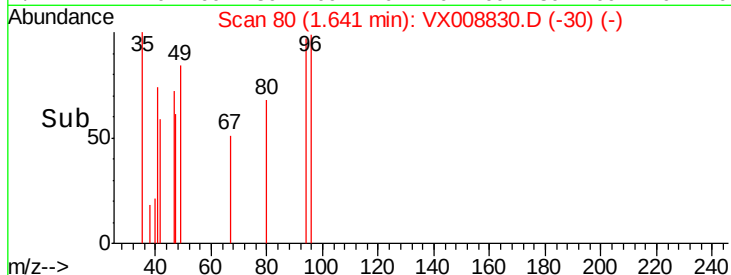
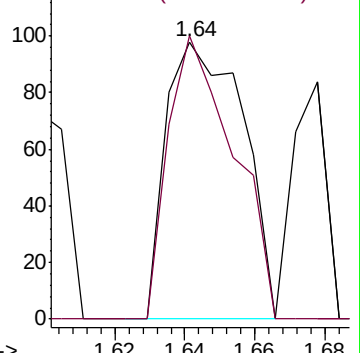
94 100

96 102.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX008830.D

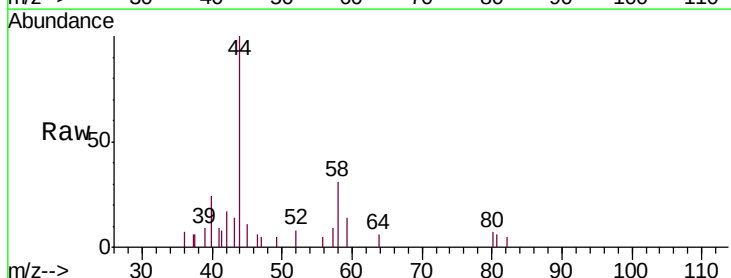
Acq: 11 Apr 2019 01:55

Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

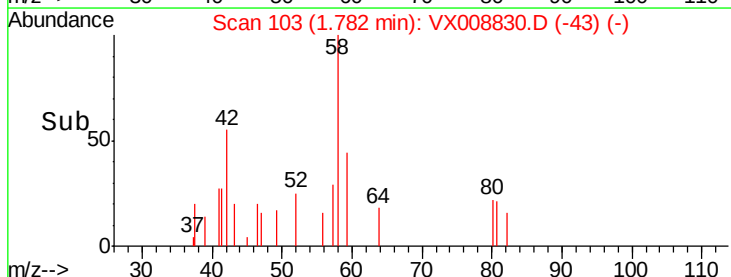
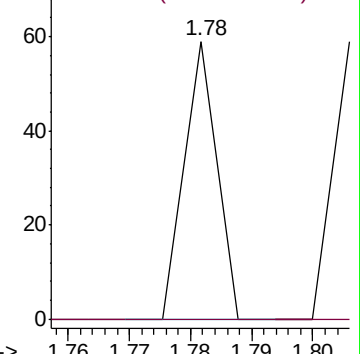
64 100

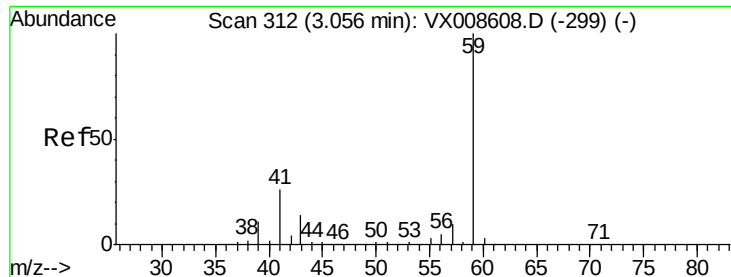
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

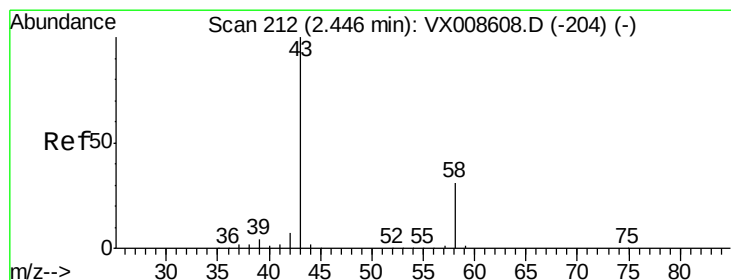
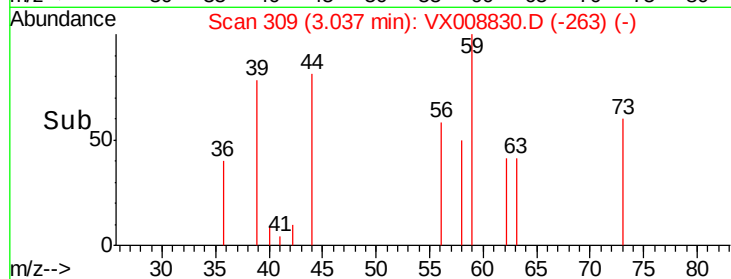
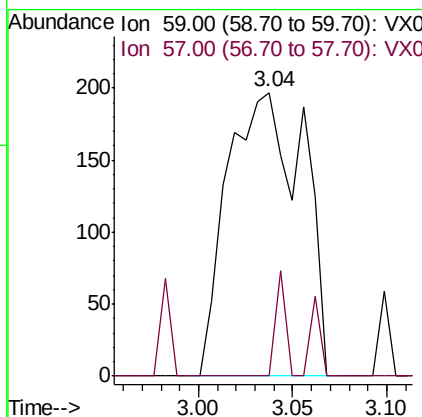
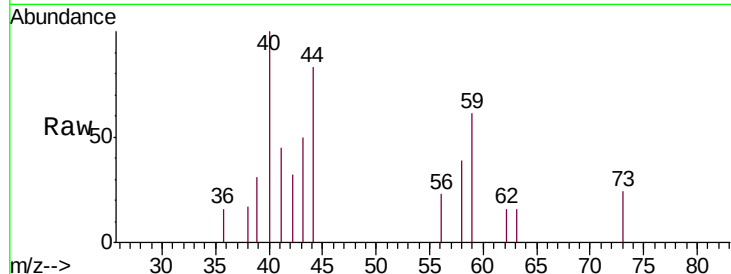




#11
Tert butyl alcohol
Concen: 0.833 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008830.D
Acq: 11 Apr 2019 01:55

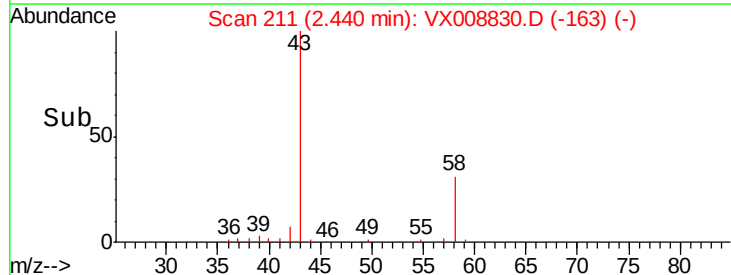
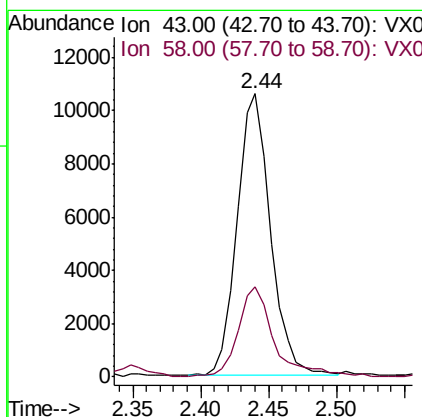
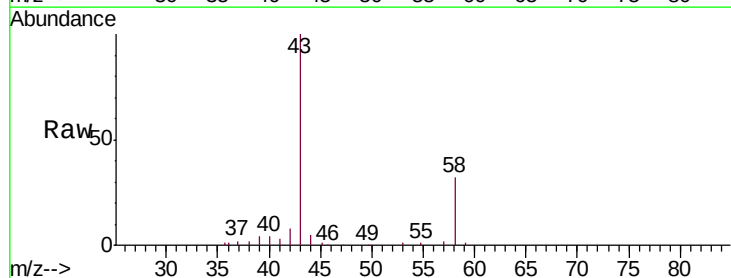
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-5

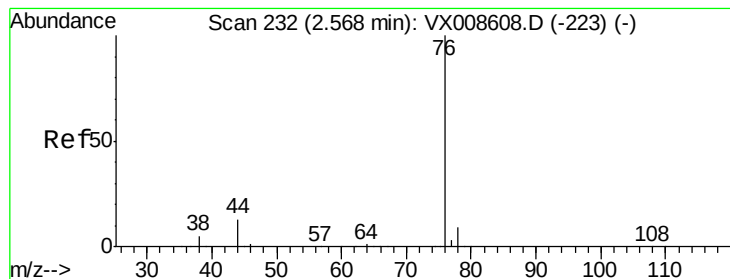
Tgt Ion: 59 Resp: 546
Ion Ratio Lower Upper
59 100
57 4.9 8.3 12.5#



#16
Acetone
Concen: 11.182 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008830.D
Acq: 11 Apr 2019 01:55

Tgt Ion: 43 Resp: 18023
Ion Ratio Lower Upper
43 100
58 32.2 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

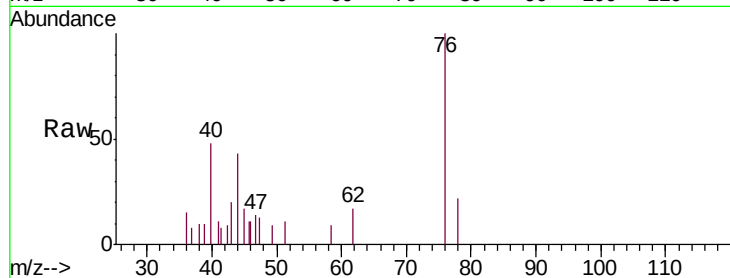
SPLP-LECHATE-AMND-CS-5

Tgt Ion: 76 Resp: 1186

Ion Ratio Lower Upper

76 100

78 21.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

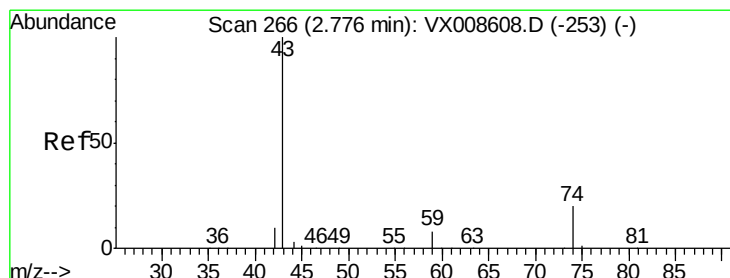
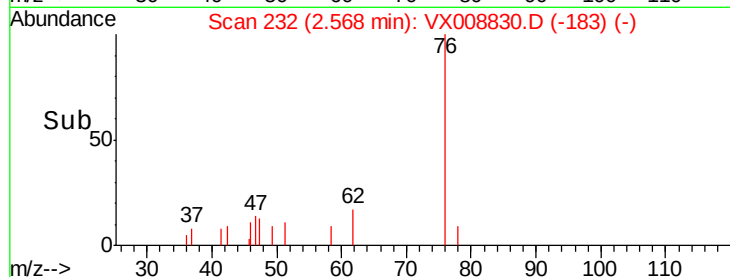
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.368 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008830.D

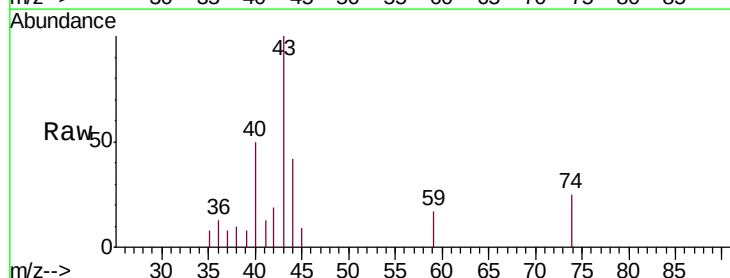
Acq: 11 Apr 2019 01:55

Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

43 100

74 18.7 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

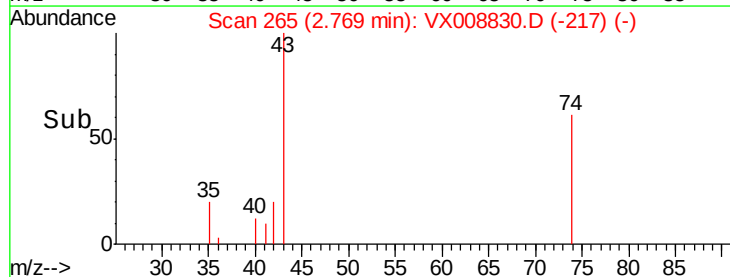
600

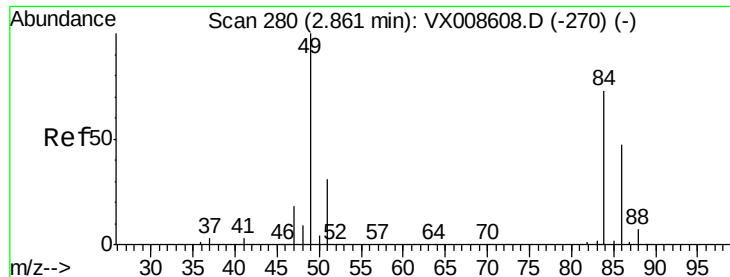
400

200

0

Time-->

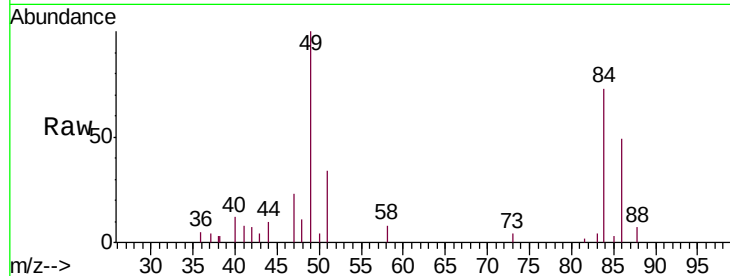




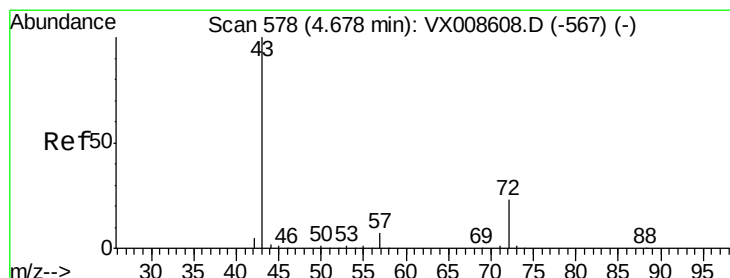
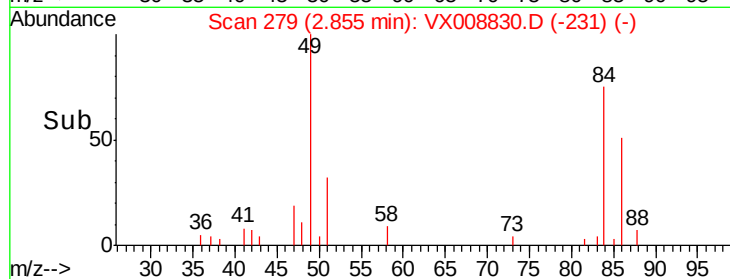
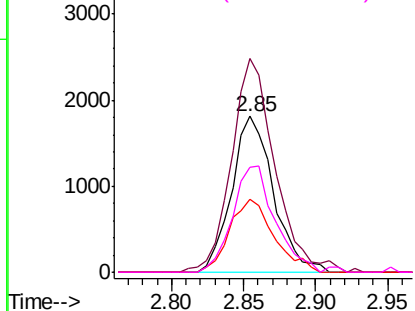
#20
Methylene Chloride
Concen: 1.358 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008830.D
Acq: 11 Apr 2019 01:55

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-5

Tgt Ion: 84 Resp: 3664
Ion Ratio Lower Upper
84 100
49 134.5 109.7 164.5
51 46.5 33.6 50.4
86 67.7 51.4 77.2

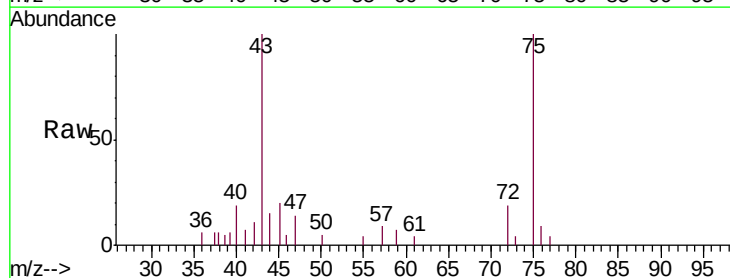


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

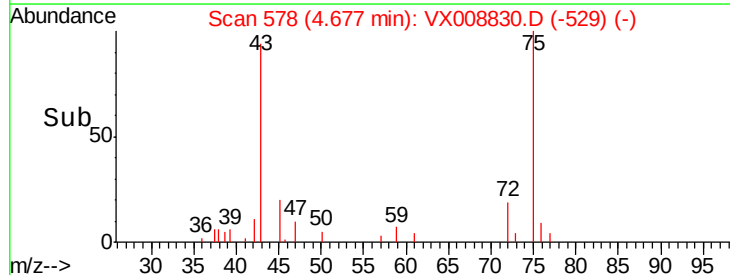
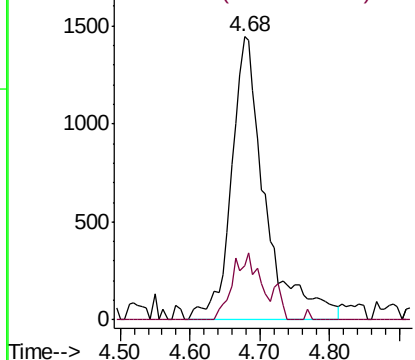


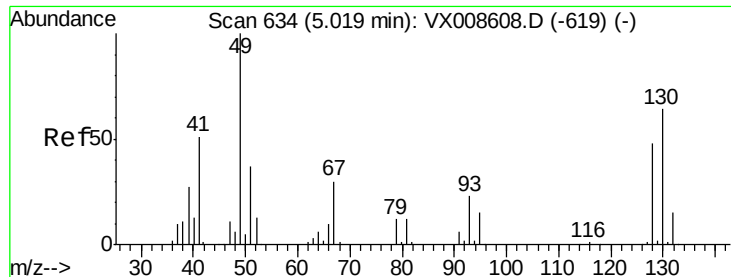
#25
2-Butanone
Concen: 1.919 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008830.D
Acq: 11 Apr 2019 01:55

Tgt Ion: 43 Resp: 4889
Ion Ratio Lower Upper
43 100
72 19.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-5

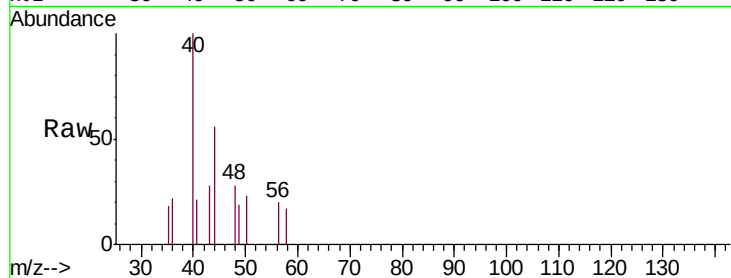
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

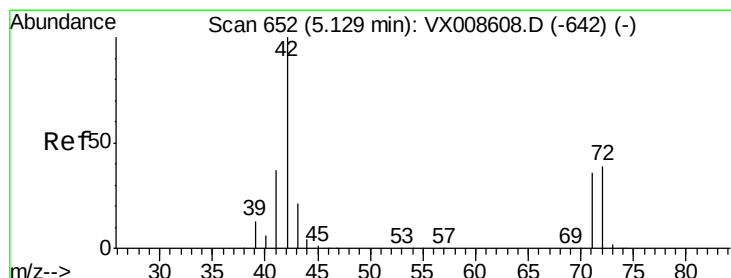
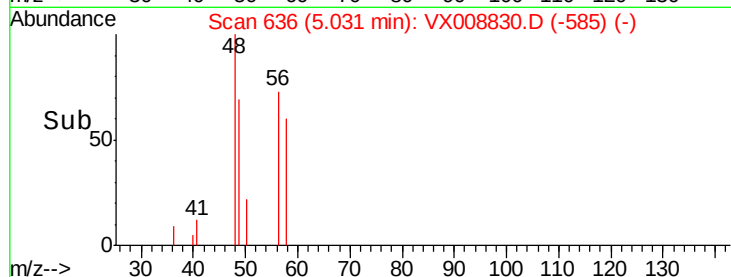
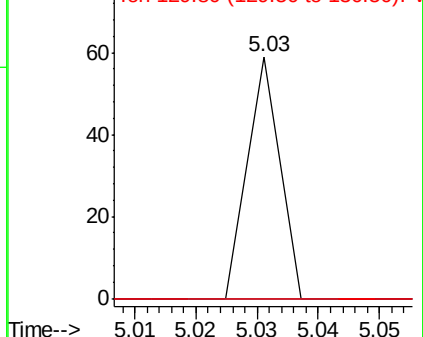
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.315 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

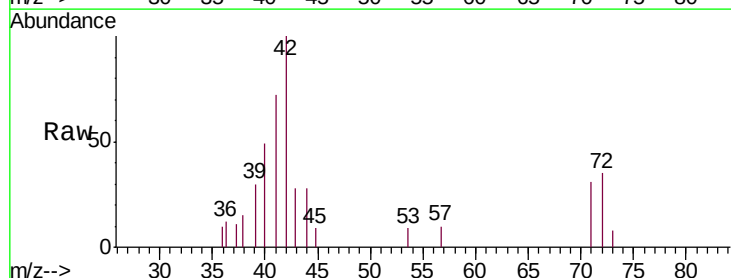
Tgt Ion: 42 Resp: 2223

Ion Ratio Lower Upper

42 100

72 38.0 30.5 45.7

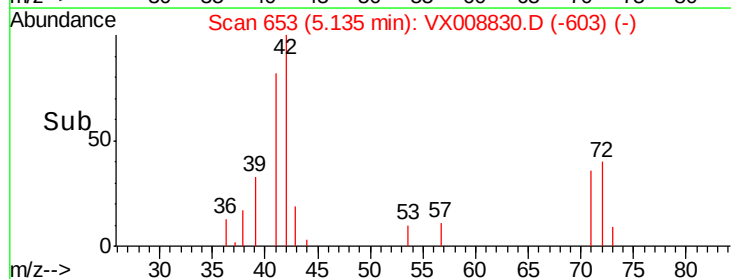
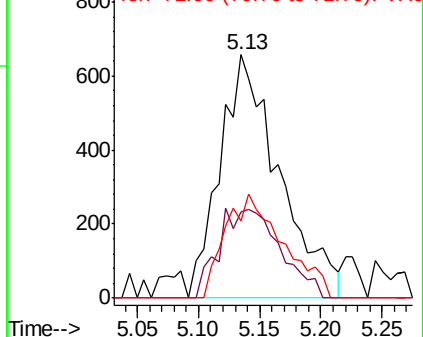
71 41.6 28.6 43.0

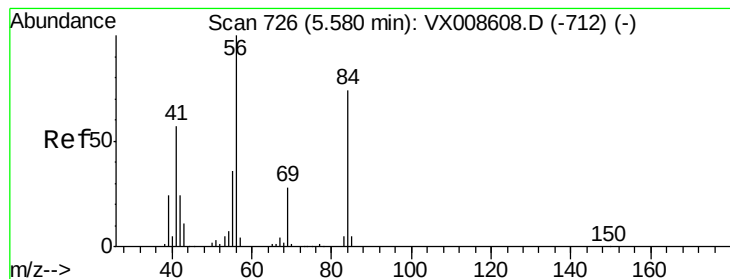


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.889 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-5

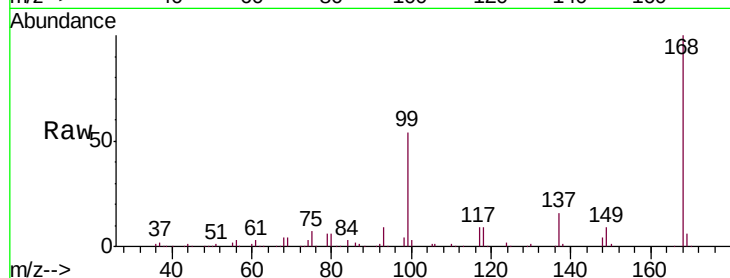
Tgt Ion: 56 Resp: 4296

Ion Ratio Lower Upper

56 100

69 150.5 22.6 33.8#

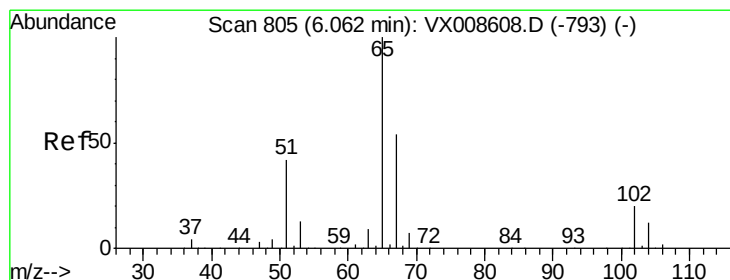
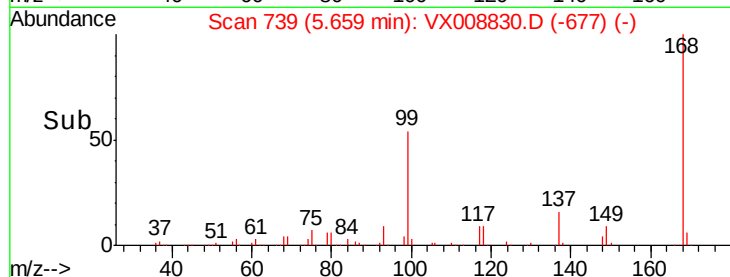
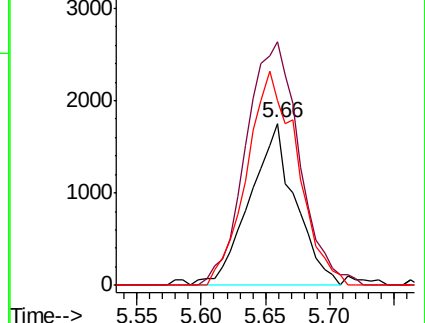
84 114.1 59.3 88.9#



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: 46.221 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008830.D

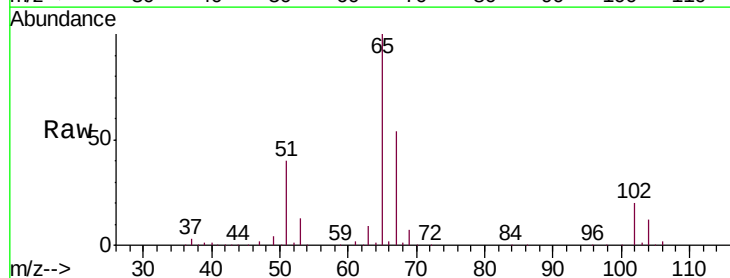
Acq: 11 Apr 2019 01:55

Tgt Ion: 65 Resp: 129341

Ion Ratio Lower Upper

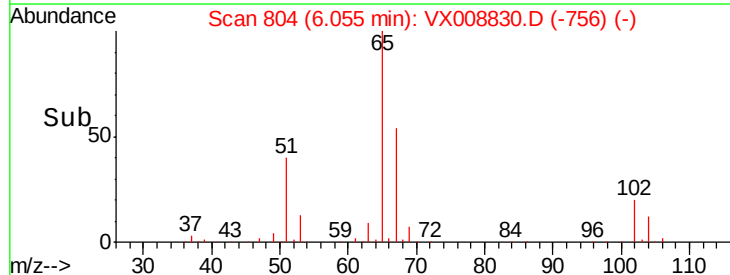
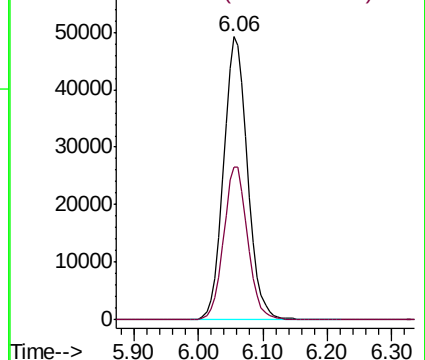
65 100

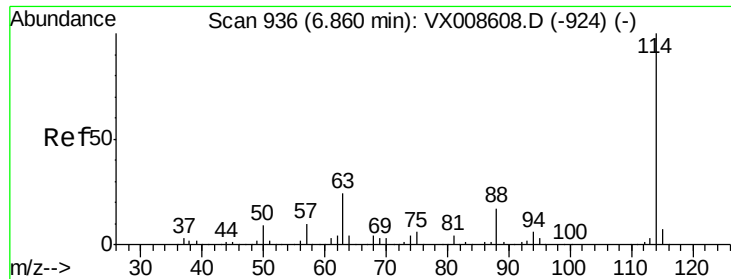
67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

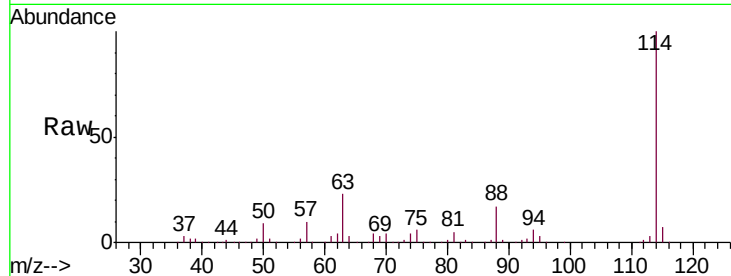




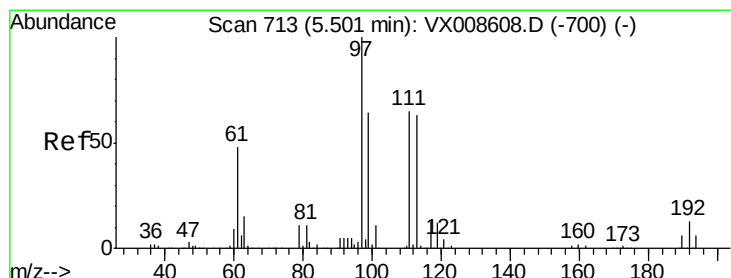
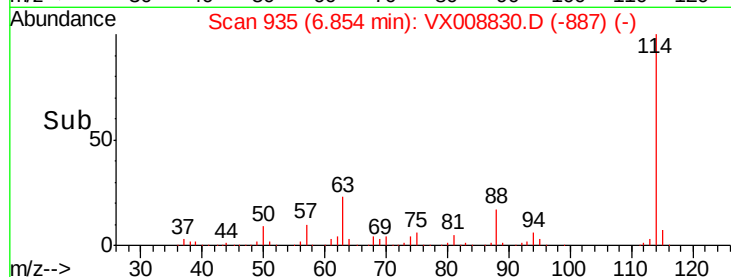
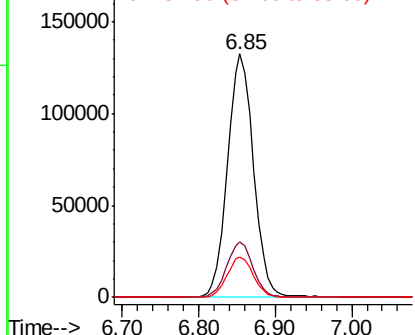
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008830.D
 Acq: 11 Apr 2019 01:55

Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LECHATE-AMND-CS-5

Tgt Ion:114 Resp: 311815
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.2
 88 16.6 0.0 34.0

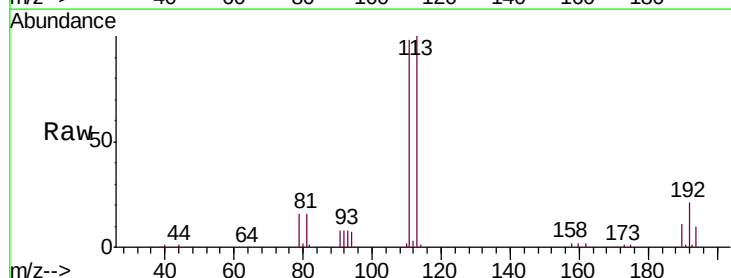


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

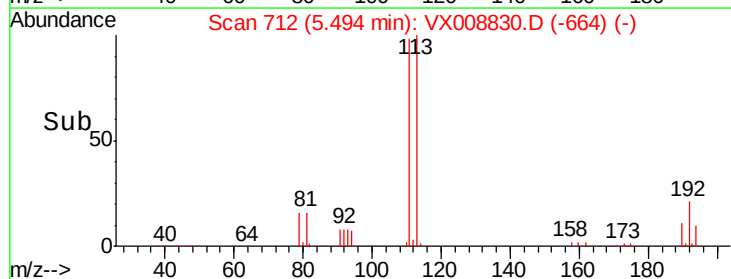
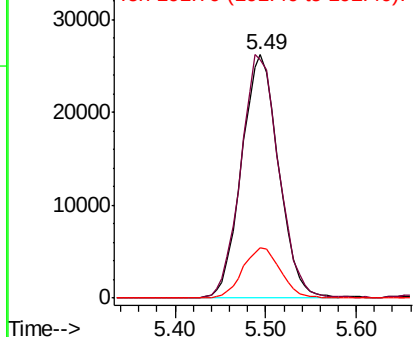


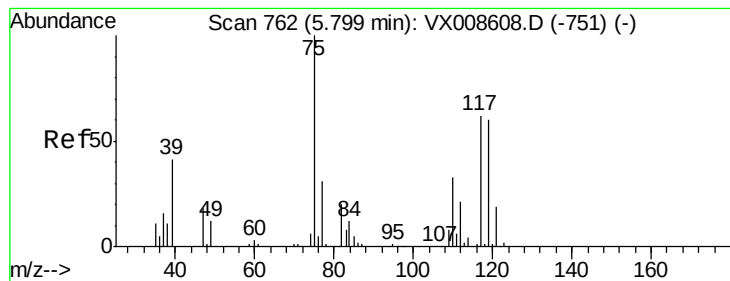
#35
 Dibromofluoromethane
 Concen: 37.310 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008830.D
 Acq: 11 Apr 2019 01:55

Tgt Ion:113 Resp: 74383
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.2
 192 21.0 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-5

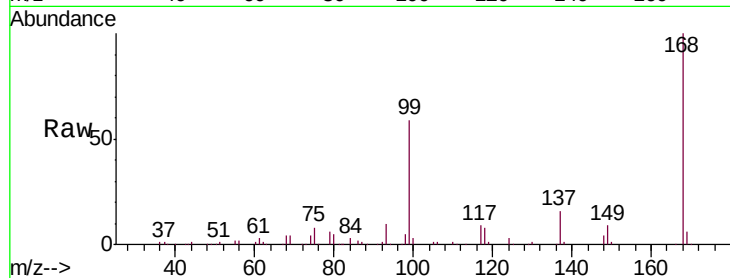
Tgt Ion: 75 Resp: 15294

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

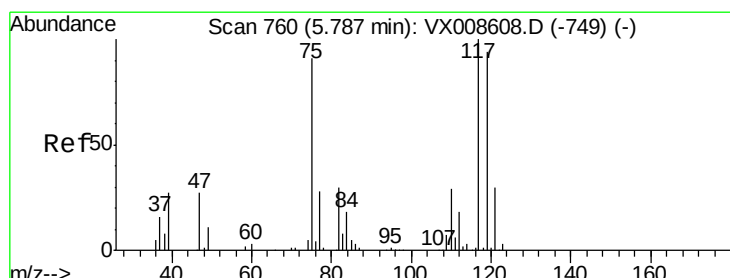
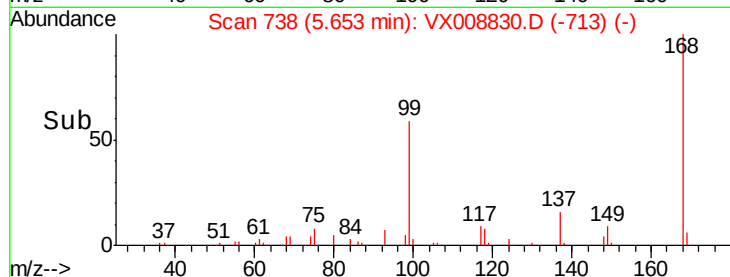
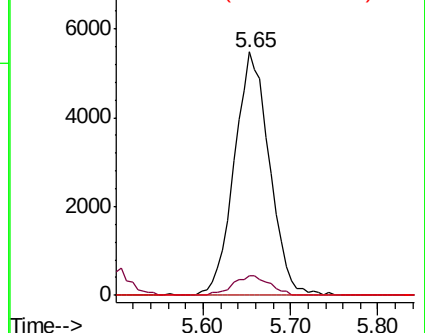
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX008830.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX008830.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX008830.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.425 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

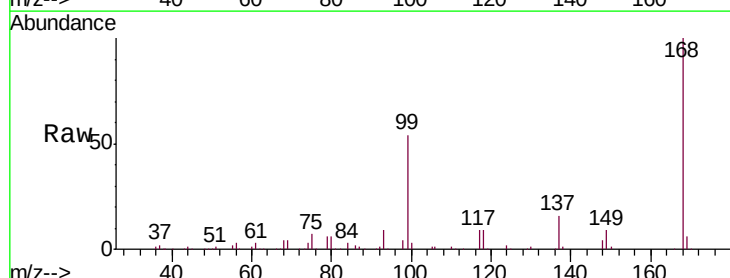
Tgt Ion: 117 Resp: 18124

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

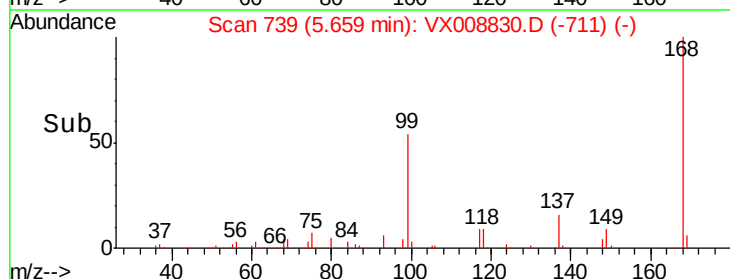
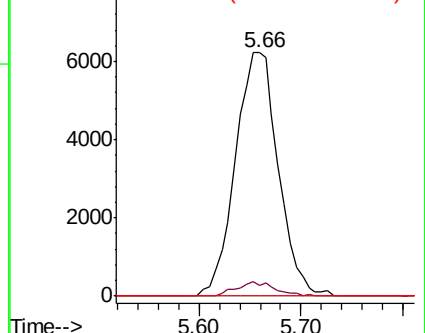
121 0.0 24.3 36.5#

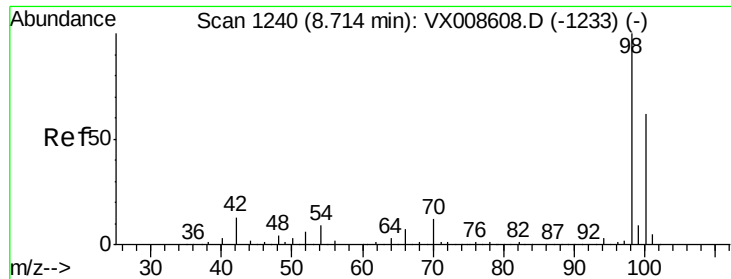


Abundance Ion 116.80 (116.50 to 117.50): VX008830.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX008830.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX008830.D (-711) (-)

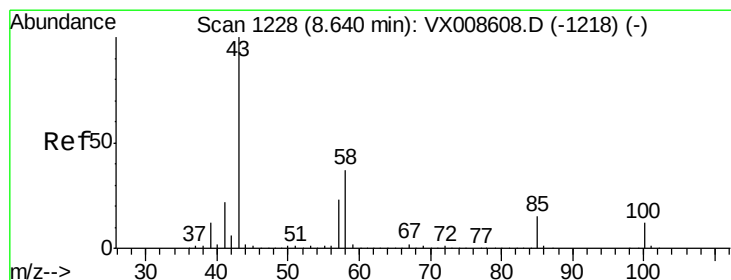
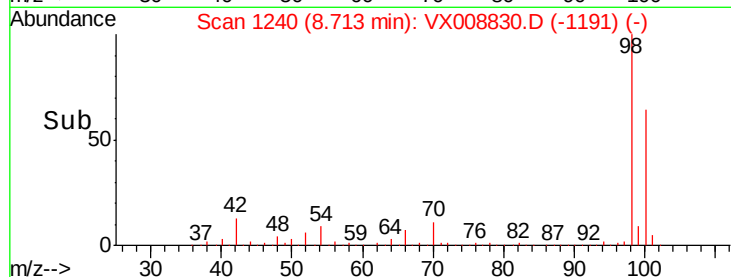
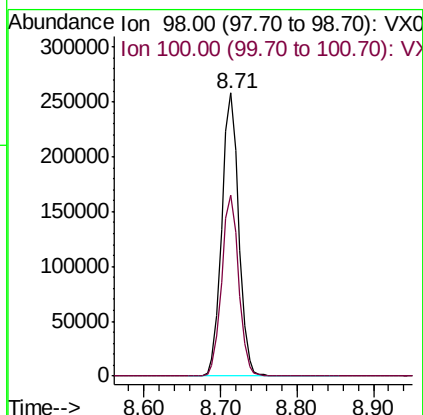
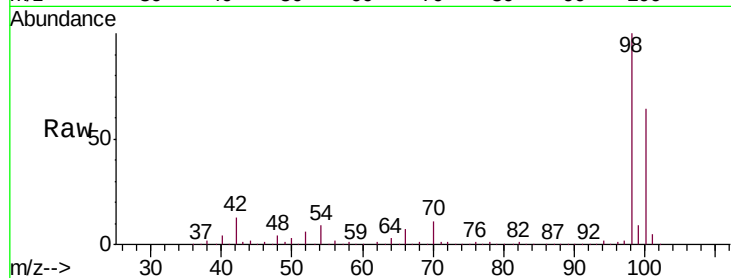




#50
Toluene-d8
Concen: 49.793 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008830.D
Acq: 11 Apr 2019 01:55

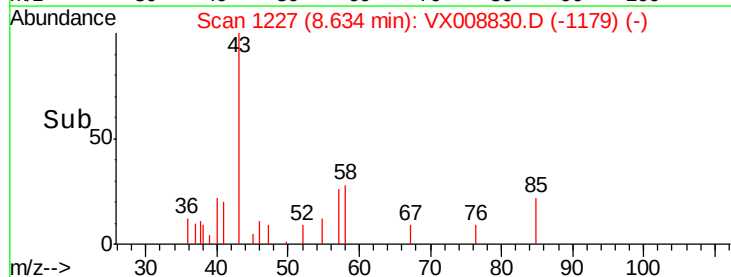
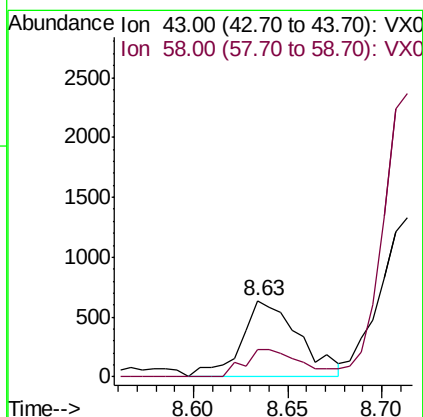
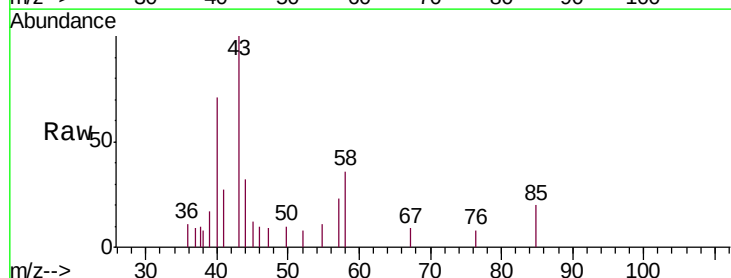
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-5

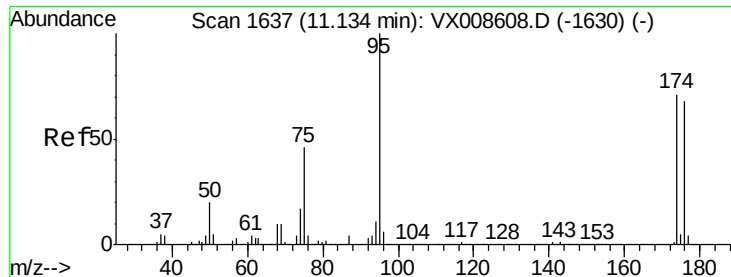
Tgt Ion: 98 Resp: 395259
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX008830.D
Acq: 11 Apr 2019 01:55

Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
58 34.7 29.5 44.3





#62

4-Bromofluorobenzene

Concen: 47.470 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-5

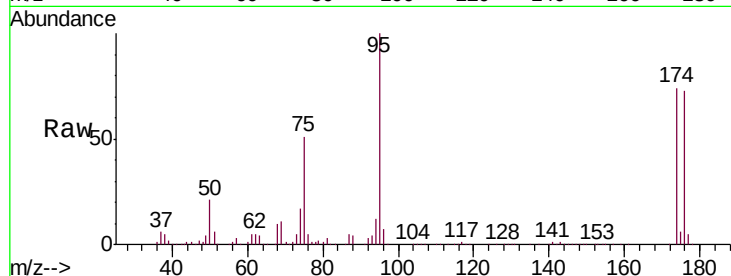
Tgt Ion: 95 Resp: 133627

Ion Ratio Lower Upper

95 100

174 78.6 0.0 151.8

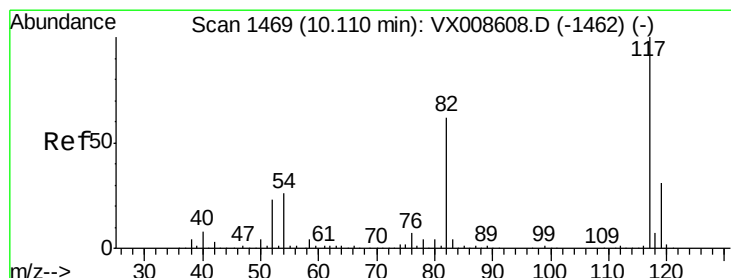
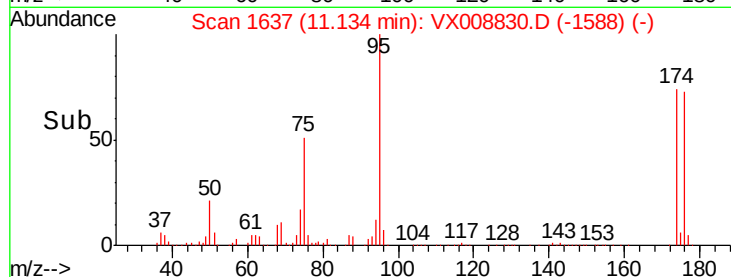
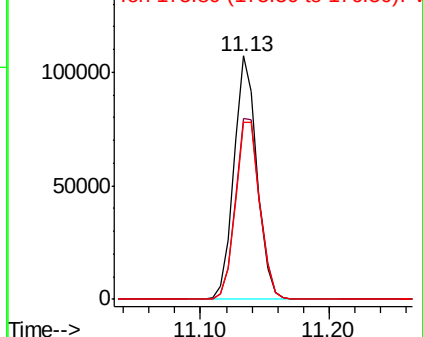
176 76.6 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008830.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008830.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008830.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

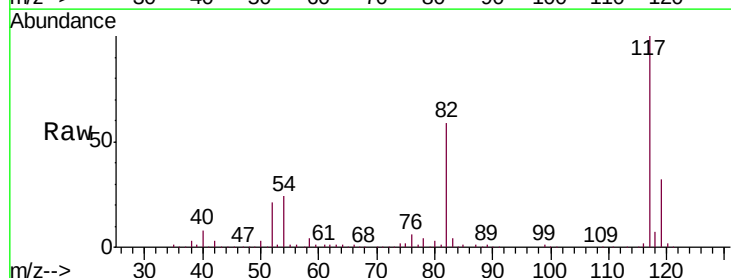
Tgt Ion: 117 Resp: 274389

Ion Ratio Lower Upper

117 100

82 58.6 49.6 74.4

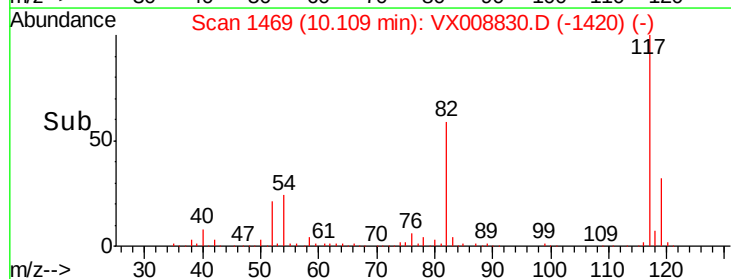
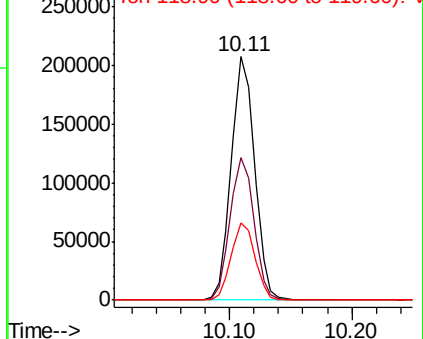
119 31.9 25.0 37.4

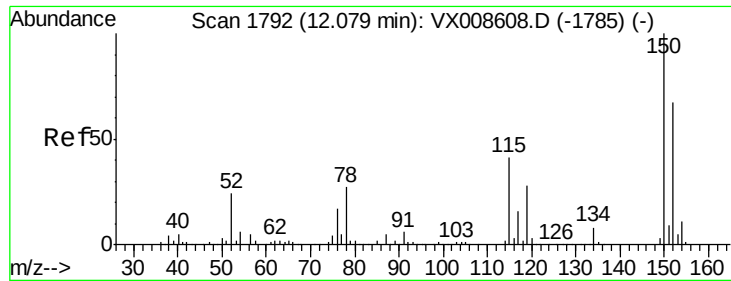


Abundance Ion 116.90 (116.60 to 117.60): VX008830.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008830.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008830.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-5

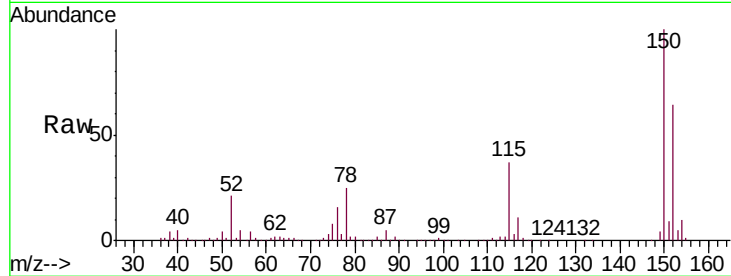
Tgt Ion:152 Resp: 118888

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

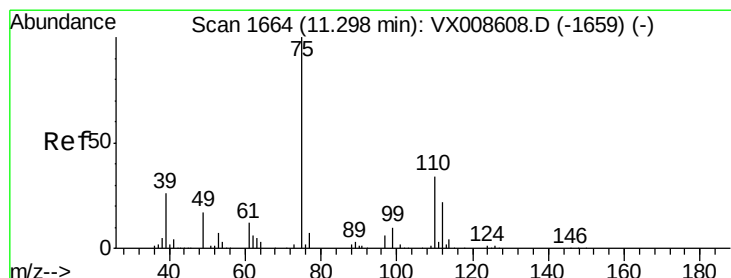
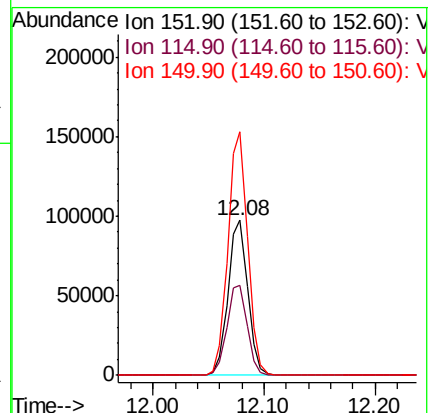
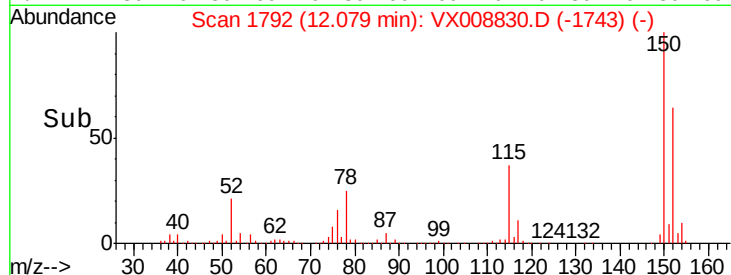
150 157.3 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 20.884 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008830.D

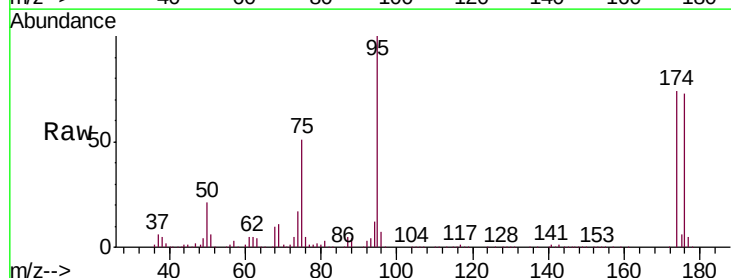
Acq: 11 Apr 2019 01:55

Tgt Ion: 75 Resp: 68207

Ion Ratio Lower Upper

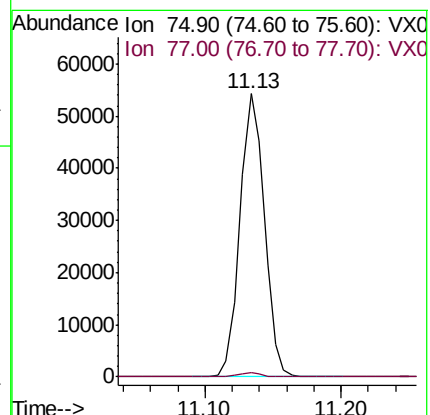
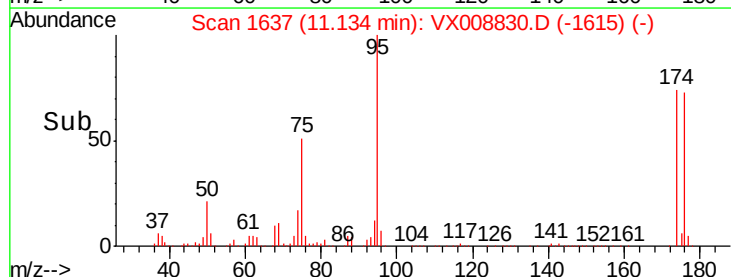
75 100

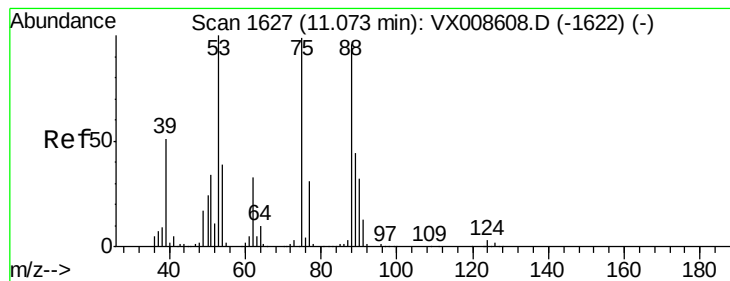
77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008830.D

Acq: 11 Apr 2019 01:55

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-5

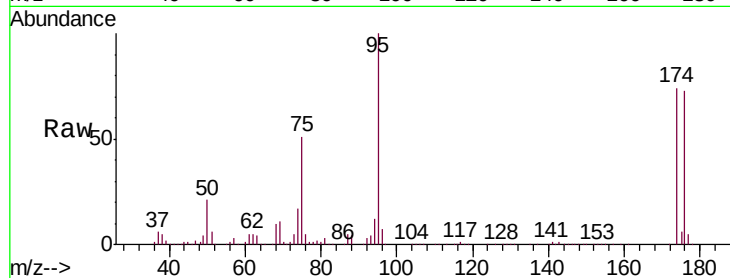
Tgt Ion: 75 Resp: 68207

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

