

Data File : VX015595.D
Acq On : 09 Apr 2020 14:38
Operator : JC/SP
Sample : L2190-18DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M-14-200406DL

Quant Time: Apr 10 04:47:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1015660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1644151	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1582065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	843220	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	689326	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	5.47	113	520435	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	8.70	98	1967960	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.12	95	845975	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

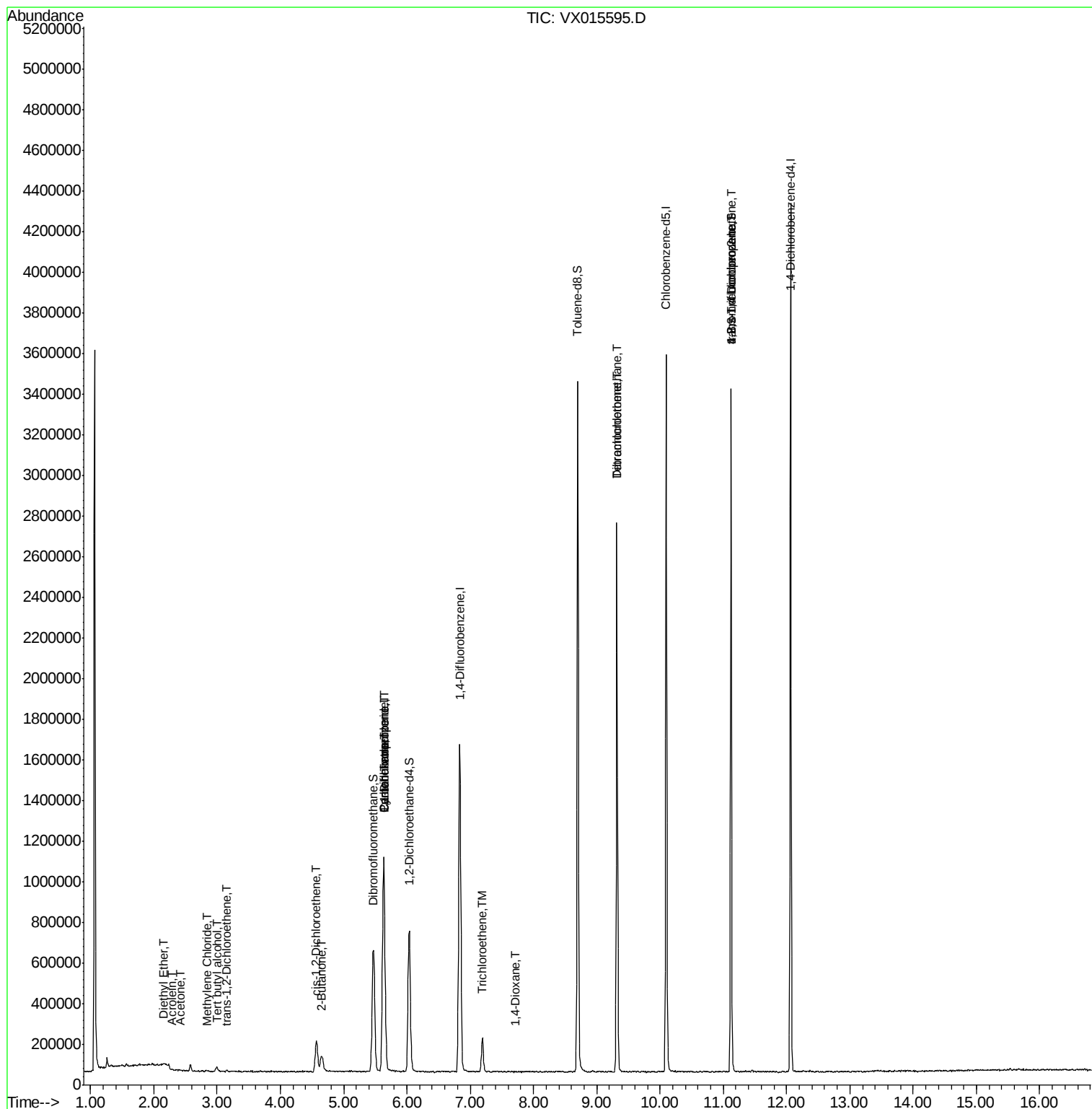
Target Compounds			Qvalue			
5) Bromomethane	1.62	94	133	Below Cal	#	3
8) Diethyl Ether	2.16	74	1337	0.226	ug/l	78
11) Tert butyl alcohol	3.00	59	14571	4.250	ug/l #	81
13) Acrolein	2.29	56	1876	0.961	ug/l #	14
16) Acetone	2.42	43	7296	1.186	ug/l #	79
20) Methylene Chloride	2.84	84	4056	0.353	ug/l #	83
21) trans-1,2-Dichloroethene	3.14	96	2215	0.208	ug/l #	63
25) 2-Butanone	4.65	43	4885	0.494	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	96474	7.836	ug/l	93
31) Cyclohexane	5.63	56	20877	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	74843	4.940	ug/l #	52
38) Carbon Tetrachloride	5.63	117	96052	5.854	ug/l #	15
44) Trichloroethene	7.19	130	68705	5.677	ug/l	92
49) 1,4-Dioxane	7.72	88	825	2.659	ug/l #	46
60) Dibromochloromethane	9.32	129	496182	36.839	ug/l #	11
64) Tetrachloroethene	9.32	164	538715	45.121	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	439280	25.333	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	439280	60.786	ug/l #	10

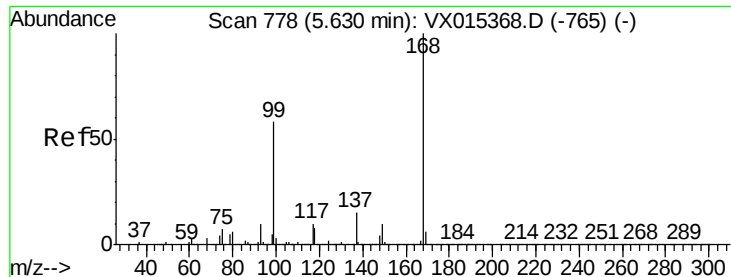
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

Instrument :

MSVOA_X

ClientSampleId :

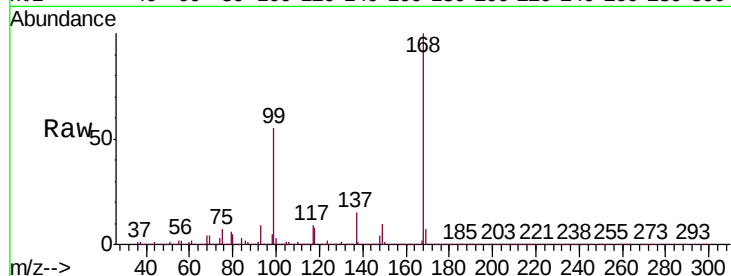
M-14-200406DL

Tgt Ion:168 Resp: 1015660

Ion Ratio Lower Upper

168 100

99 55.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

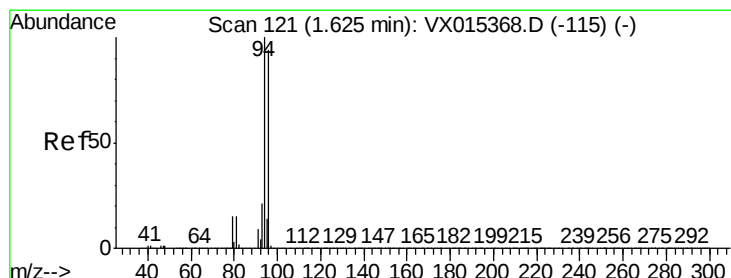
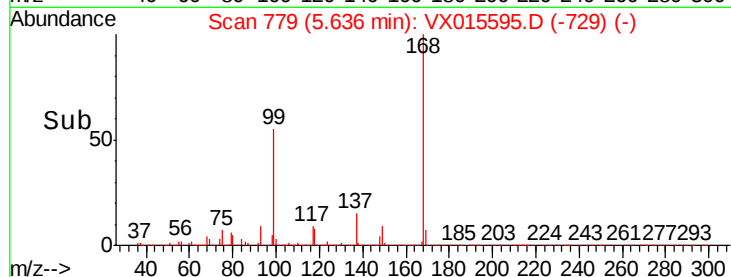
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015595.D

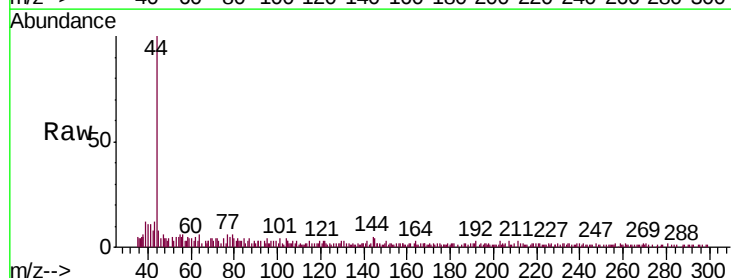
Acq: 09 Apr 2020 14:38

Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

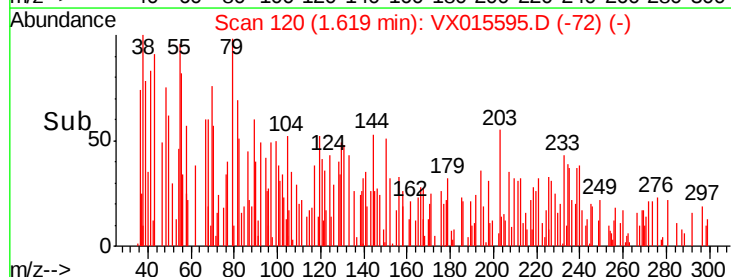
600

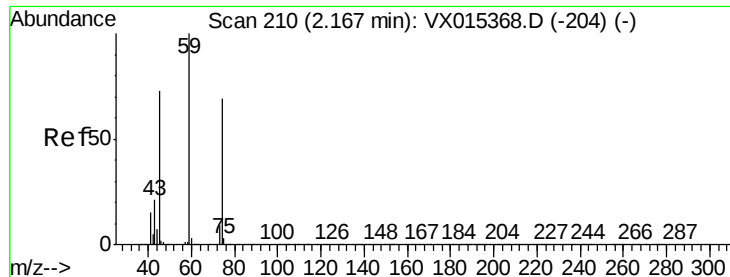
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.226 ug/l

RT: 2.16 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

Instrument :

MSVOA_X

ClientSampleId :

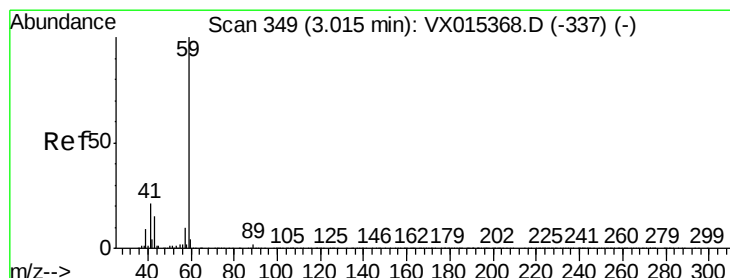
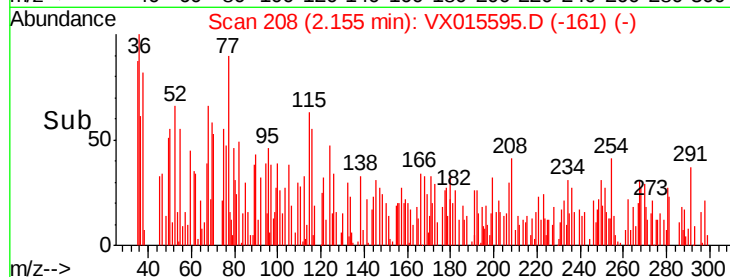
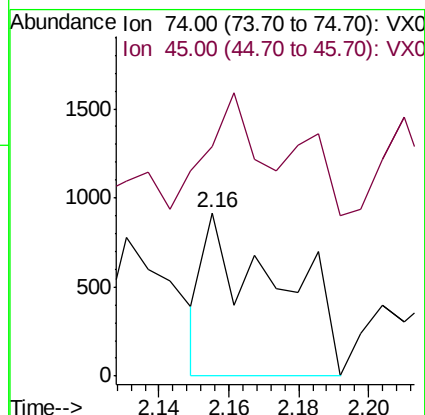
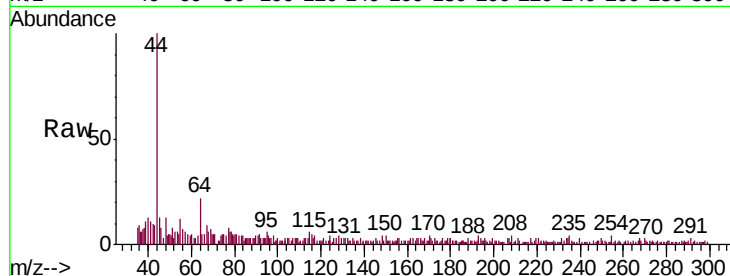
M-14-200406DL

Tgt Ion: 74 Resp: 1337

Ion Ratio Lower Upper

74 100

45 84.5 53.8 161.4



#11

Tert butyl alcohol

Concen: 4.250 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015595.D

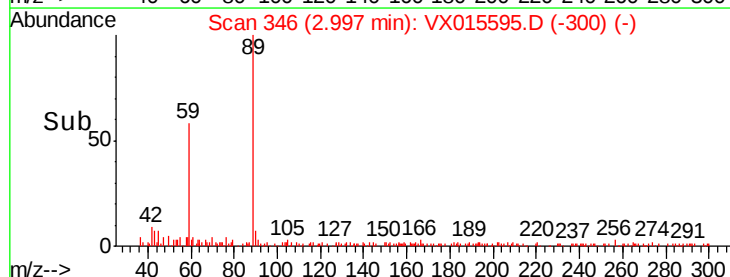
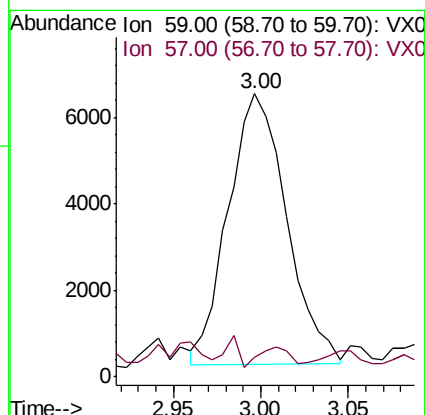
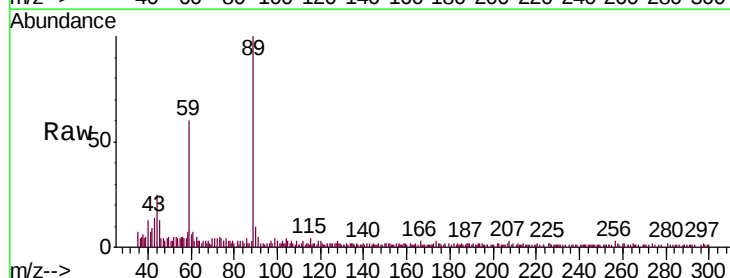
Acq: 09 Apr 2020 14:38

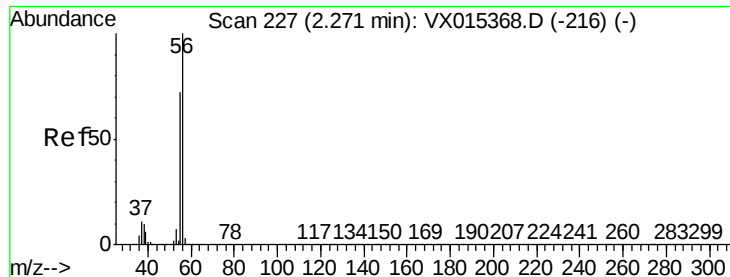
Tgt Ion: 59 Resp: 14571

Ion Ratio Lower Upper

59 100

57 2.9 8.1 12.1#





#13

Acrolein

Concen: 0.961 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.02 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

Instrument :

MSVOA_X

ClientSampleId :

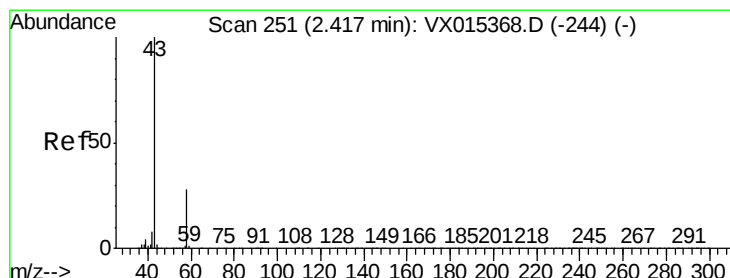
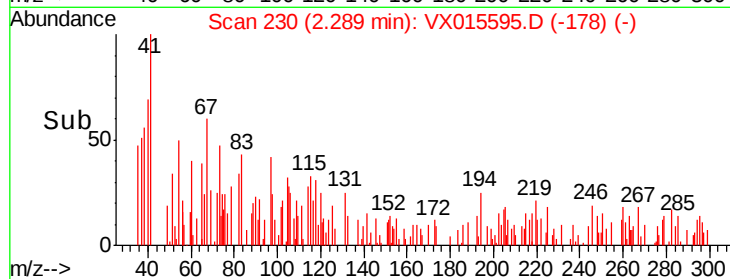
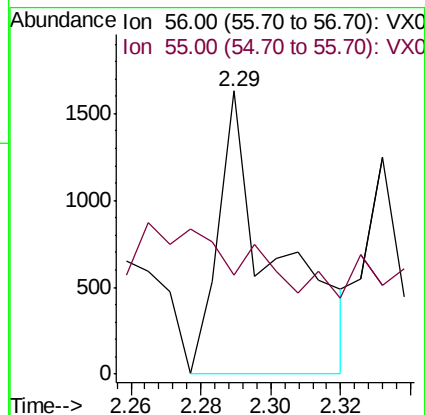
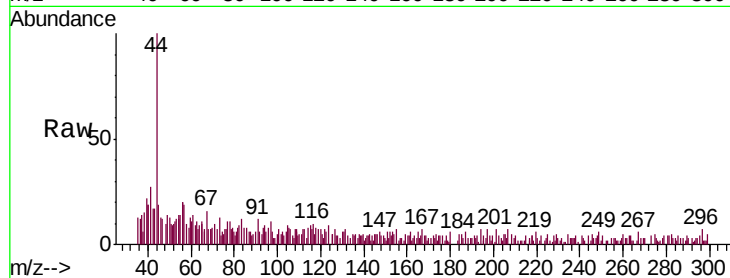
M-14-200406DL

Tgt Ion: 56 Resp: 1876

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 1.186 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015595.D

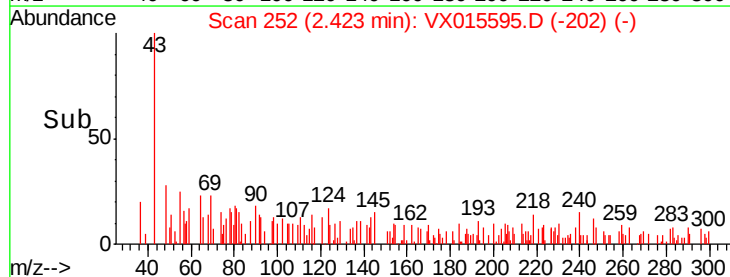
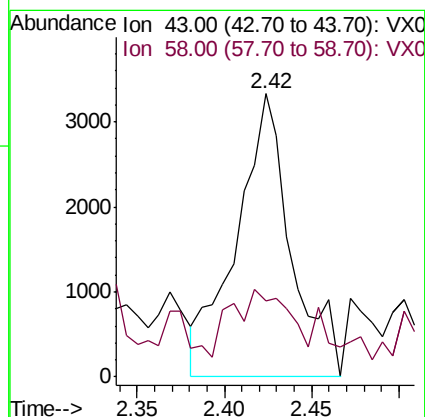
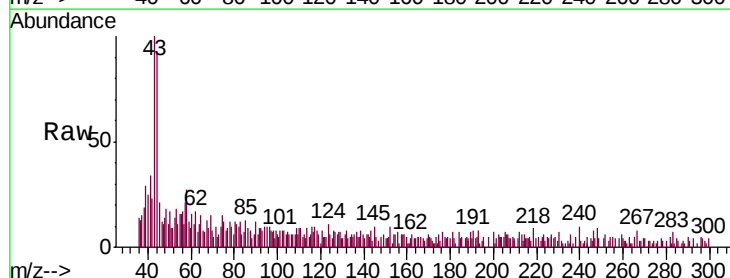
Acq: 09 Apr 2020 14:38

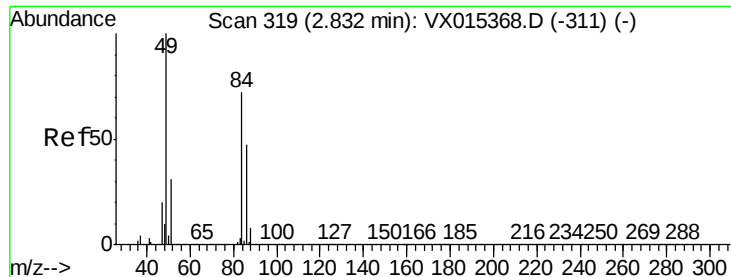
Tgt Ion: 43 Resp: 7296

Ion Ratio Lower Upper

43 100

58 16.5 22.1 33.1#

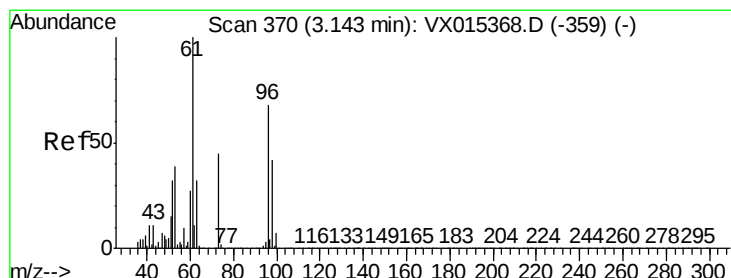
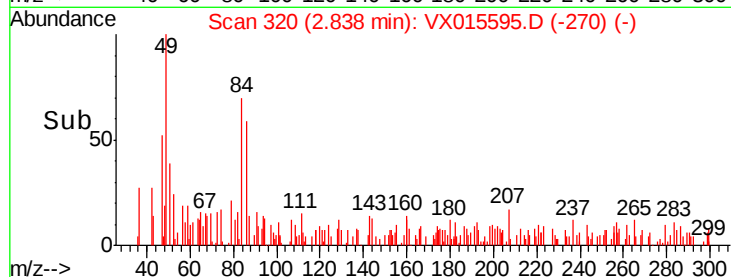
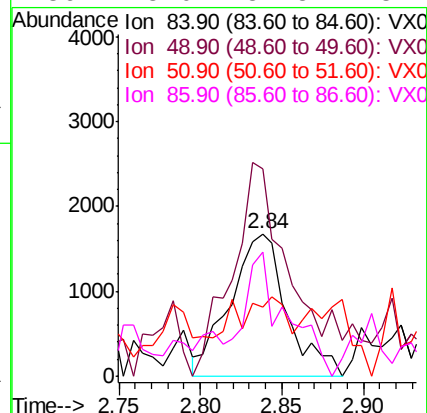
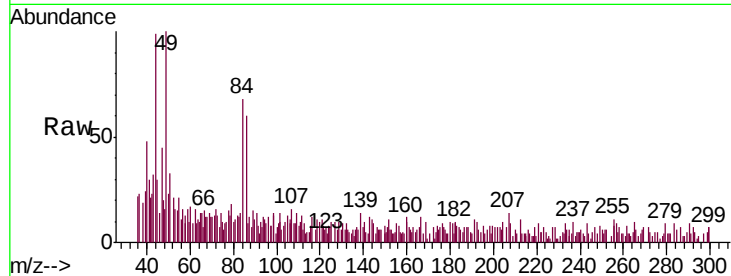




#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015595.D
Acq: 09 Apr 2020 14:38

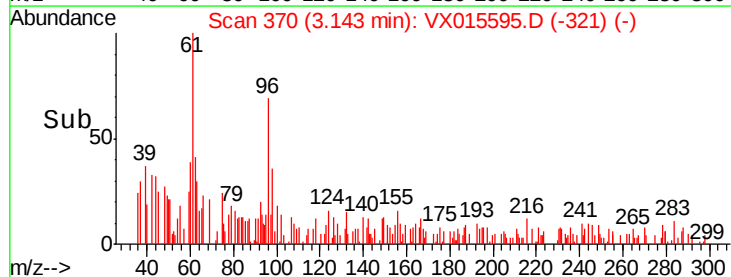
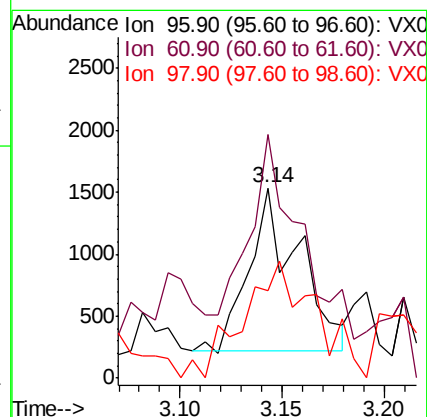
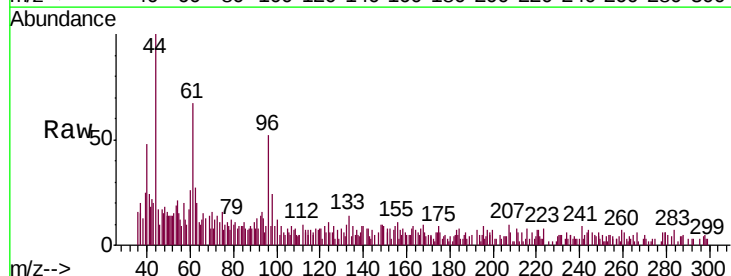
Instrument :
MSVOA_X
ClientSampleId :
M-14-200406DL

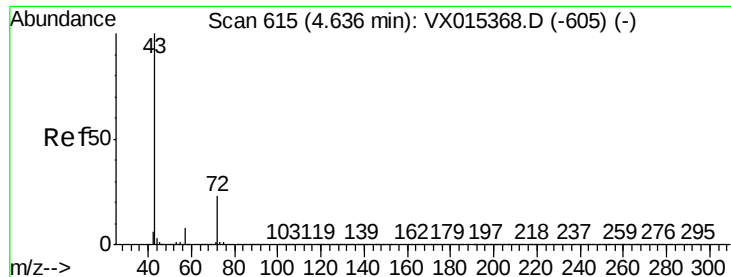
Tgt Ion: 84 Resp: 4056
Ion Ratio Lower Upper
84 100
49 120.7 111.3 166.9
51 21.6 34.0 51.0#
86 75.0 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.208 ug/l
RT: 3.14 min Scan# 370
Delta R.T. 0.00 min
Lab File: VX015595.D
Acq: 09 Apr 2020 14:38

Tgt Ion: 96 Resp: 2215
Ion Ratio Lower Upper
96 100
61 104.4 116.9 175.3#
98 25.8 48.6 73.0#





#25

2-Butanone

Concen: 0.494 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

Instrument :

MSVOA_X

ClientSampleId :

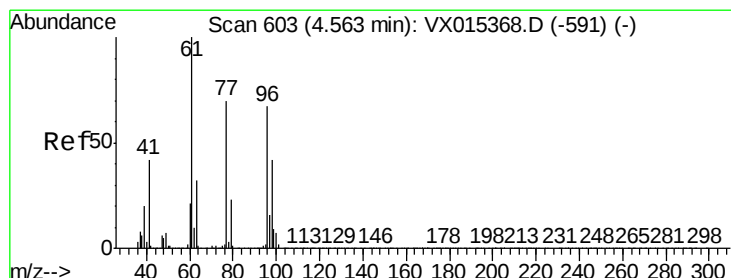
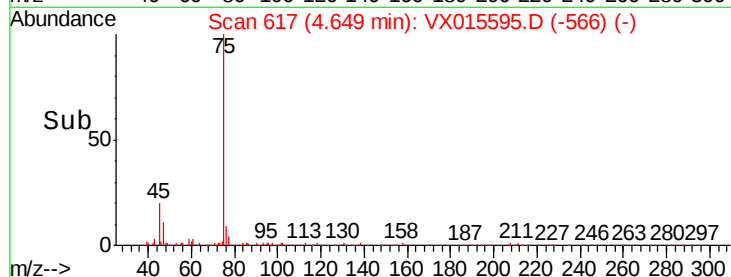
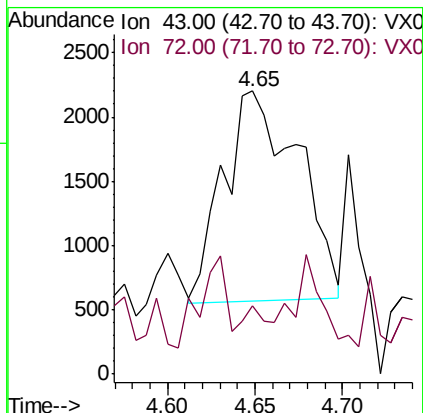
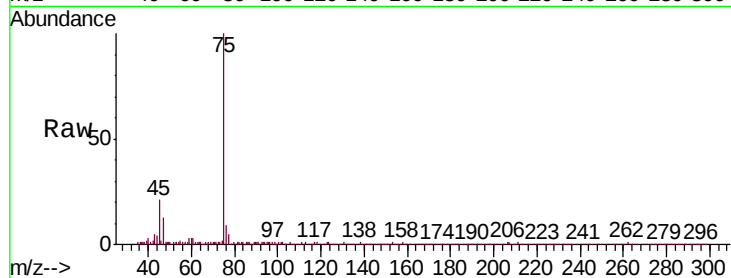
M-14-200406DL

Tgt Ion: 43 Resp: 4885

Ion Ratio Lower Upper

43 100

72 16.0 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 7.836 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

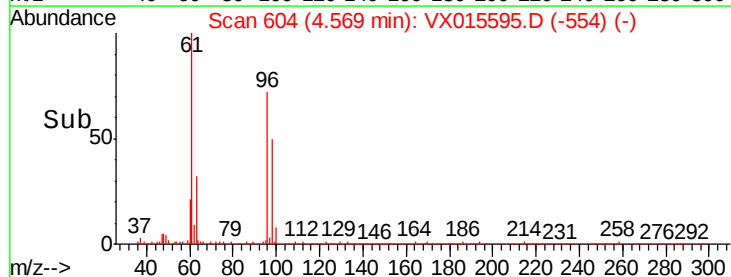
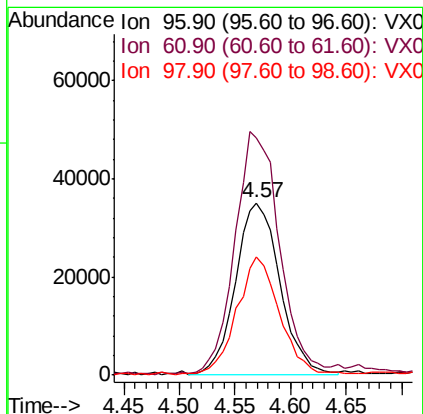
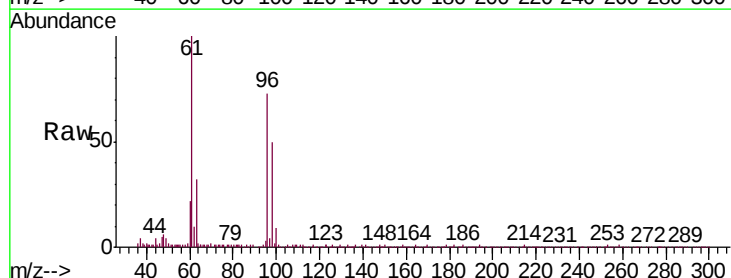
Tgt Ion: 96 Resp: 96474

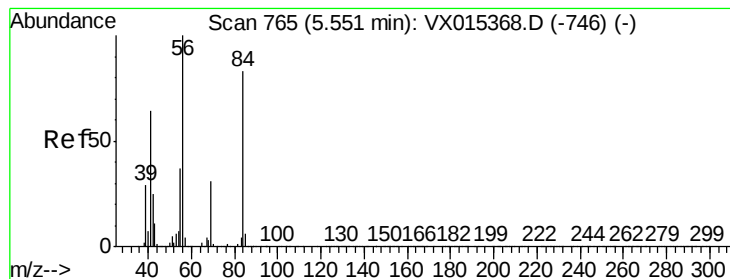
Ion Ratio Lower Upper

96 100

61 143.3 0.0 308.4

98 66.6 0.0 129.2





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

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ClientSampleId :

M-14-200406DL

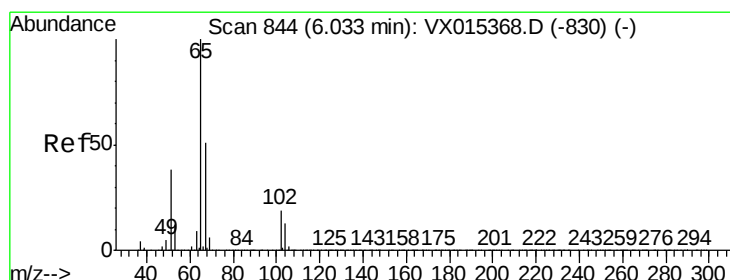
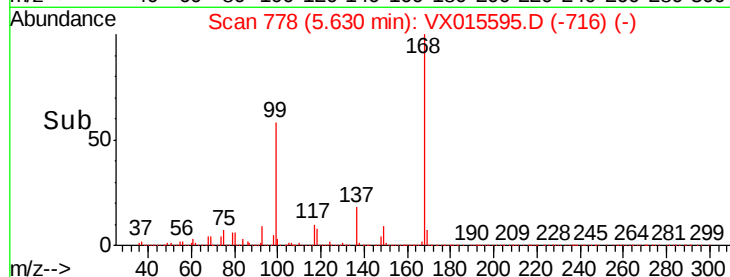
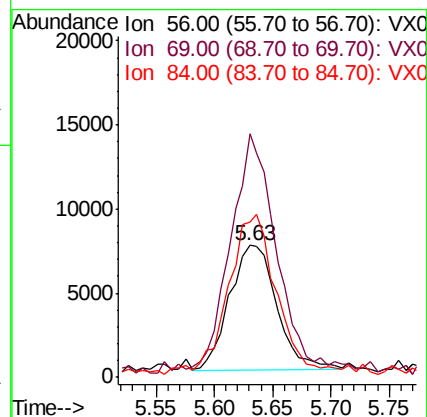
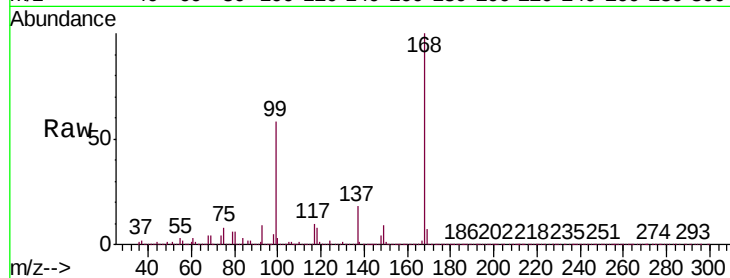
Tgt Ion: 56 Resp: 20877

Ion Ratio Lower Upper

56 100

69 188.2 24.6 36.8#

84 120.2 66.1 99.1#



#33

1,2-Dichloroethane-d4

Concen: 48.121 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015595.D

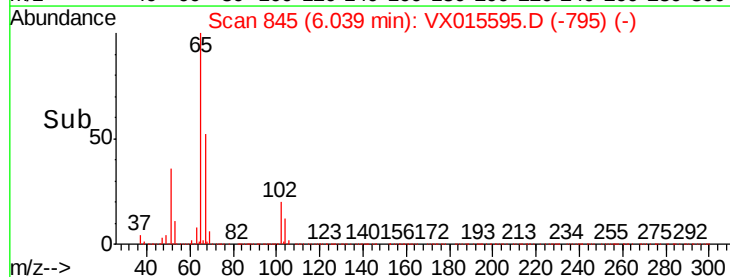
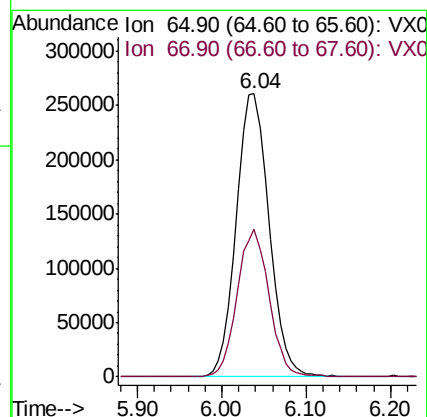
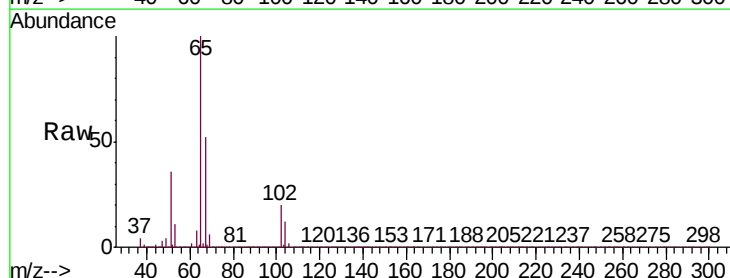
Acq: 09 Apr 2020 14:38

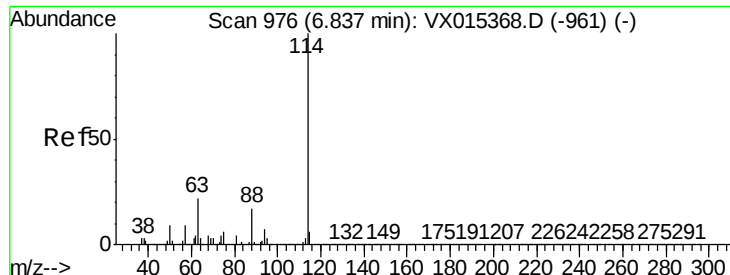
Tgt Ion: 65 Resp: 689326

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

Instrument :

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M-14-200406DL

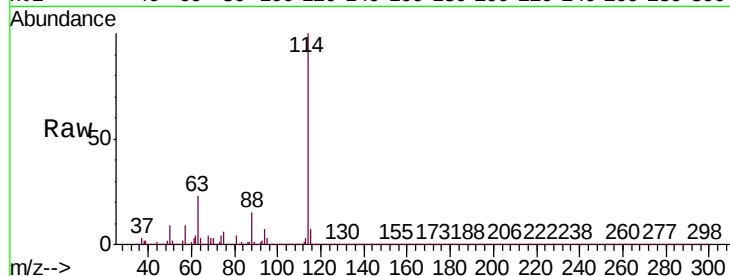
Tgt Ion:114 Resp: 1644151

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

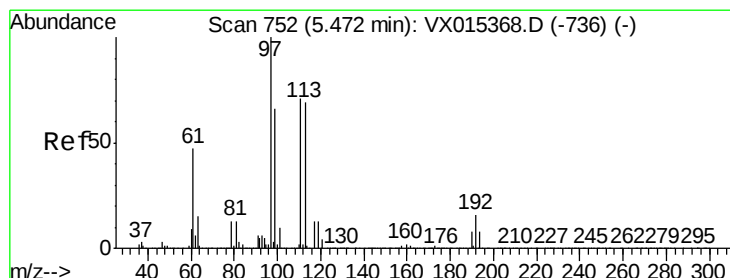
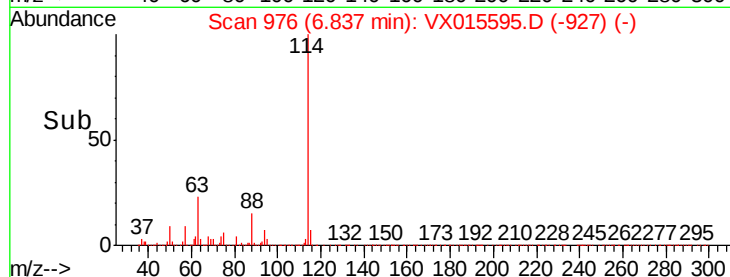
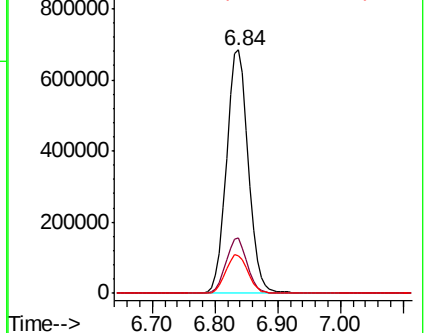
88 15.3 0.0 33.8



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: 49.519 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015595.D

Acq: 09 Apr 2020 14:38

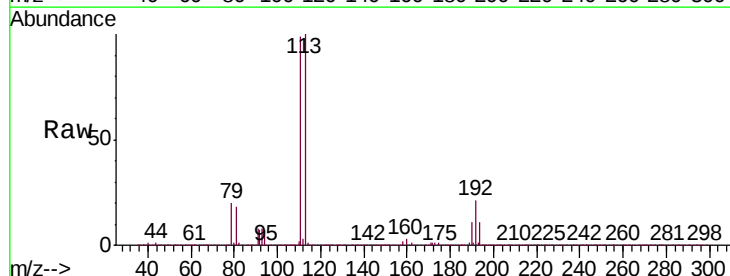
Tgt Ion:113 Resp: 520435

Ion Ratio Lower Upper

113 100

111 100.9 81.5 122.3

192 23.1 17.8 26.6



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

