

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013513.D
 Acq On : 21 Nov 2019 19:06
 Operator : JC/SP
 Sample : K5962-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20191120

Quant Time: Nov 22 08:51:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	697726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1128501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1004456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	458076	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	412131	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	5.49	113	342447	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	1341626	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.14	95	451936	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	

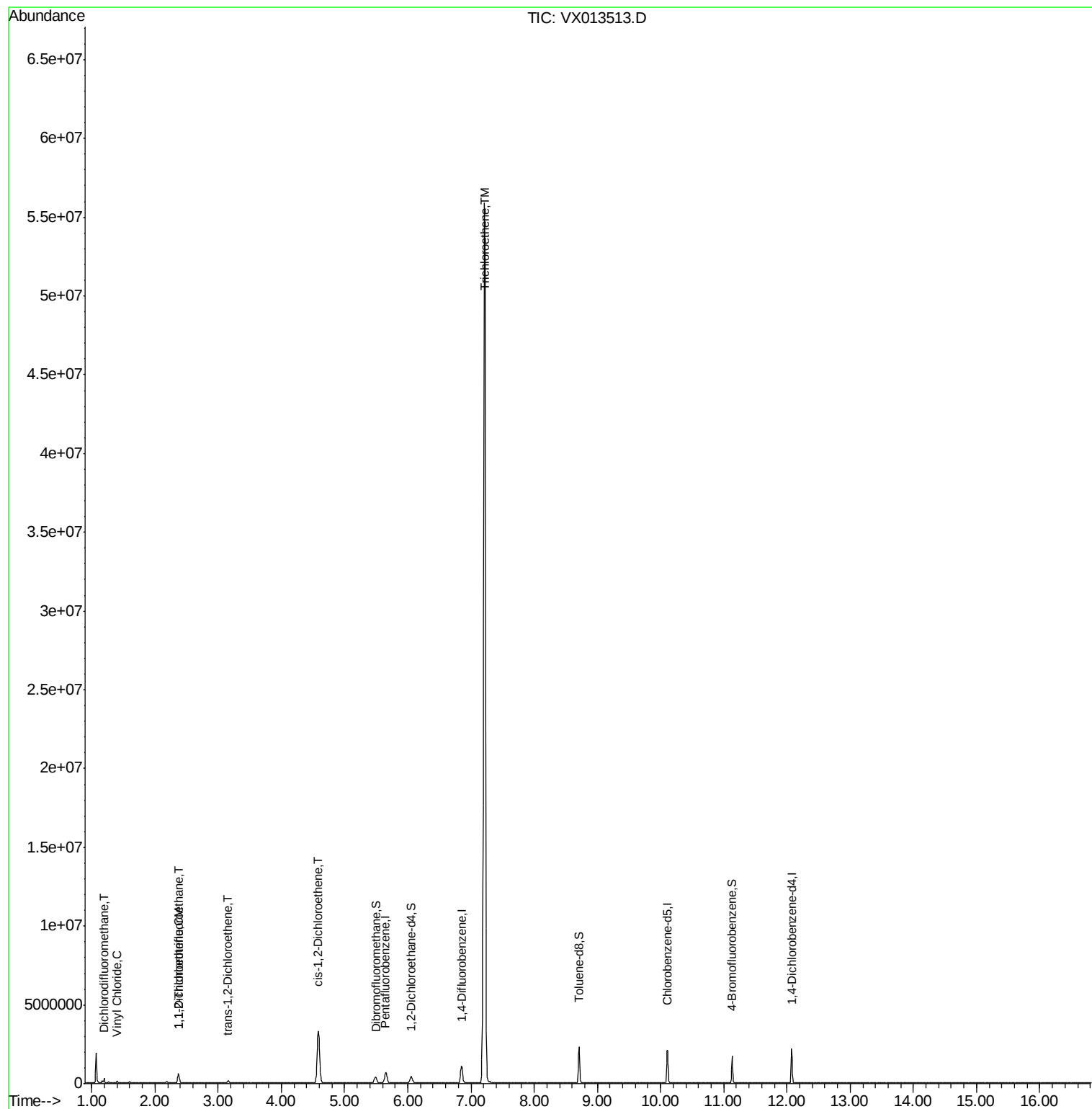
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	201102	25.015	ug/l	99
4) Vinyl Chloride	1.40	62	70572	7.110	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	145311	22.234	ug/l	99
12) 1,1-Dichloroethene	2.37	96	103937	16.240	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	67830	9.734	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	2127206	272.501	ug/l	88
44) Trichloroethene	7.21	130	21288337	2564.544	ug/l	92

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

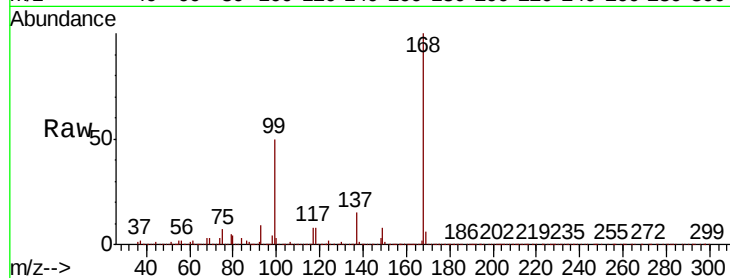
29BR-20191120

Tot Ion:168 Resp: 697726

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

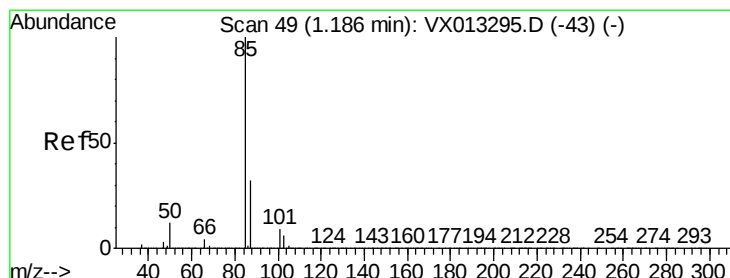
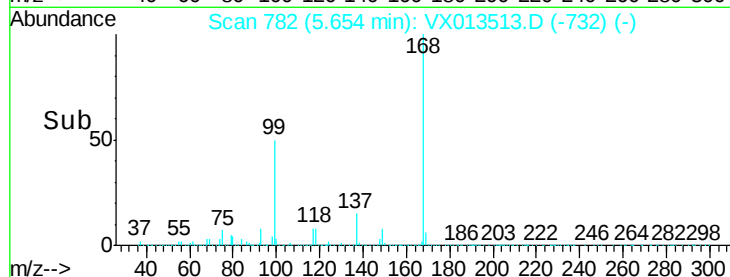
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.015 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013513.D

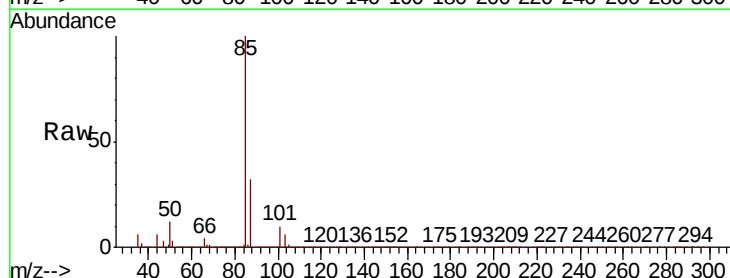
Acq: 21 Nov 2019 19:06

Tgt Ion: 85 Resp: 201102

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

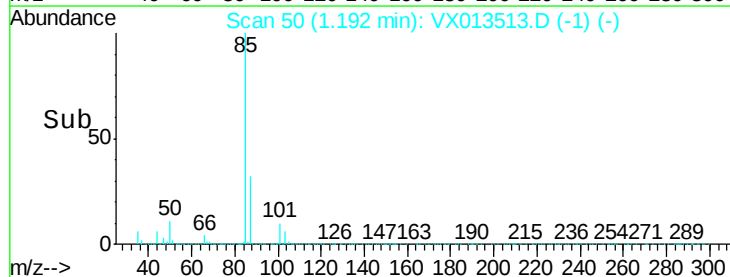
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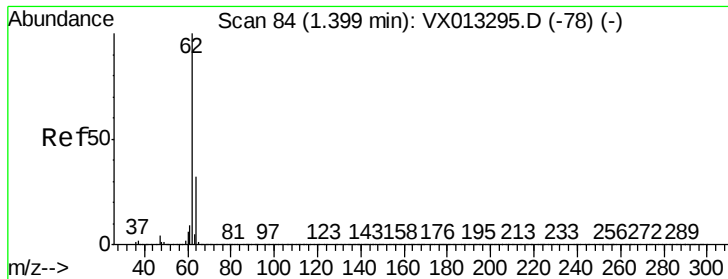
100000

50000

0

Time-->





#4

Vinyl Chloride

Concen: 7.110 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

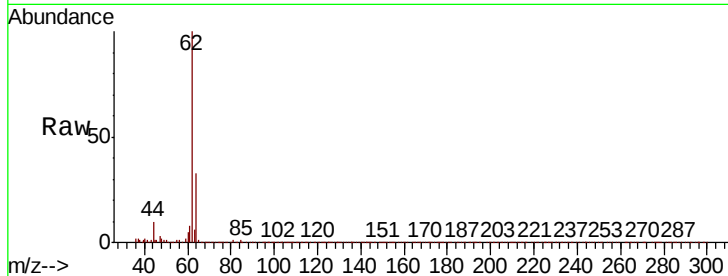
29BR-20191120

Tot Ion: 62 Resp: 70572

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

80000

60000

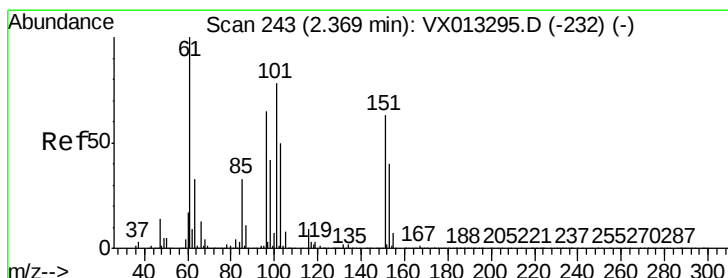
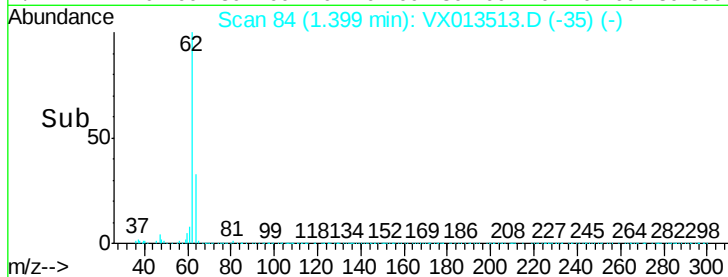
40000

20000

0

1.35 1.40 1.45

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.234 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

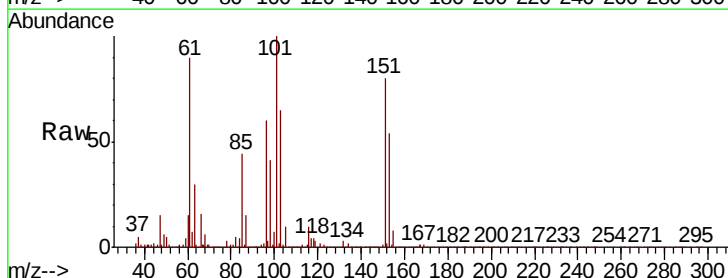
Tgt Ion: 101 Resp: 145311

Ion Ratio Lower Upper

101 100

85 42.0 34.4 51.6

151 81.7 66.4 99.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

100000

80000

60000

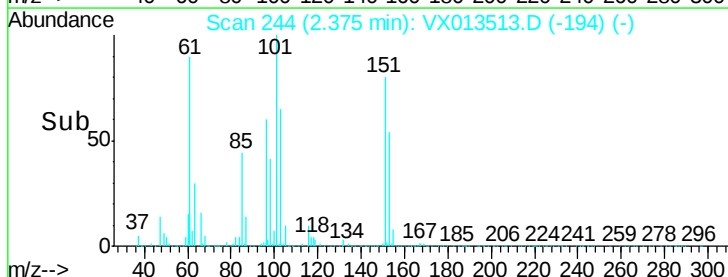
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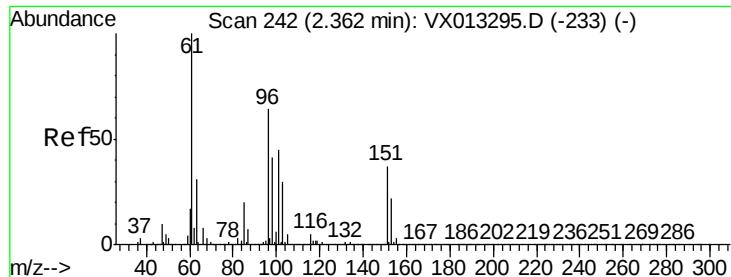
20000

0

2.30 2.37 2.40 2.50

Time-->





#12

1,1-Dichloroethene

Concen: 16.240 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120

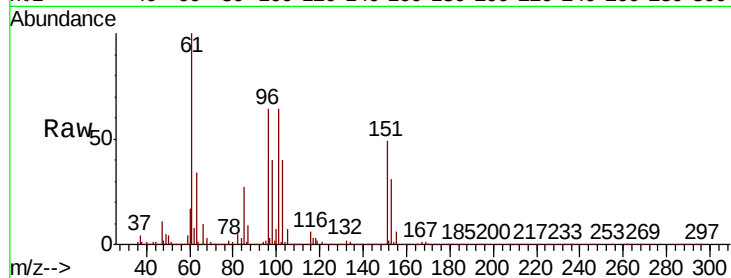
Tot Ion: 96 Resp: 103937

Ion Ratio Lower Upper

96 100

61 155.5 125.0 187.6

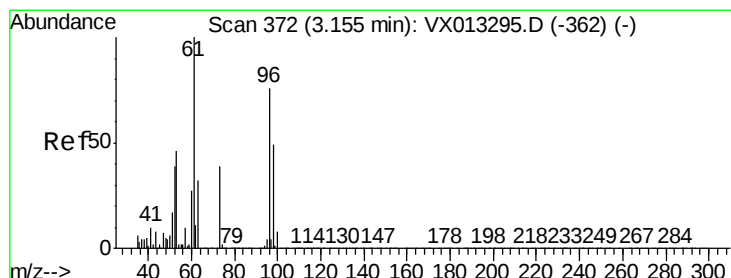
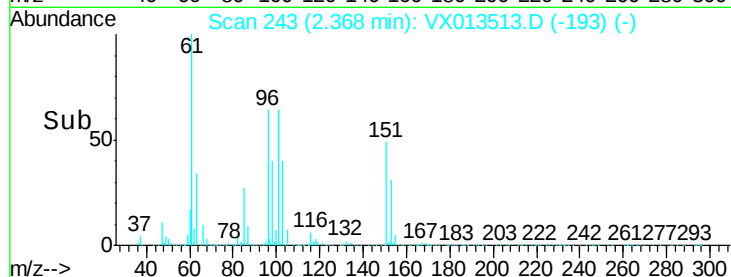
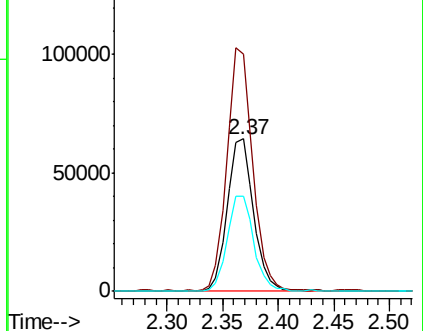
98 62.7 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 9.734 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

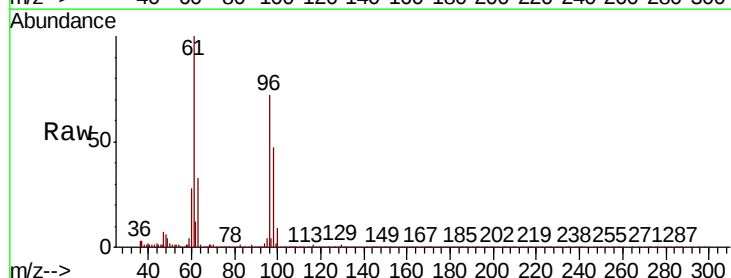
Tgt Ion: 96 Resp: 67830

Ion Ratio Lower Upper

96 100

61 140.5 105.8 158.6

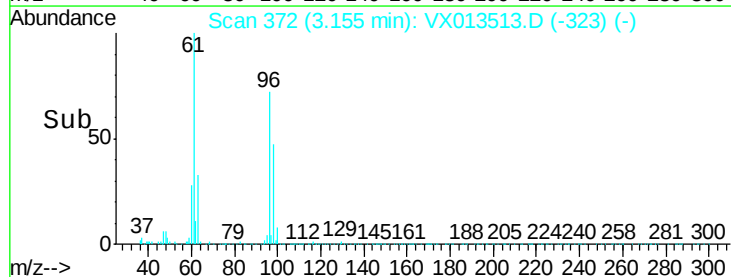
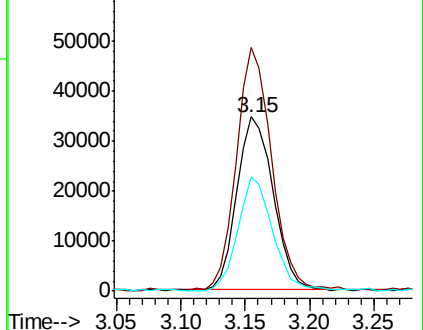
98 65.6 51.8 77.6

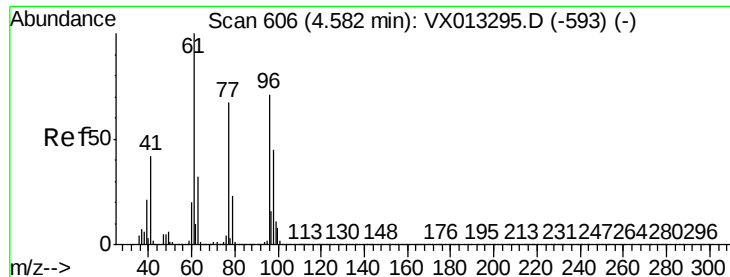


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



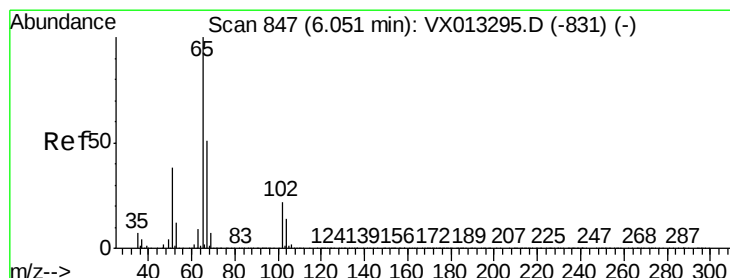
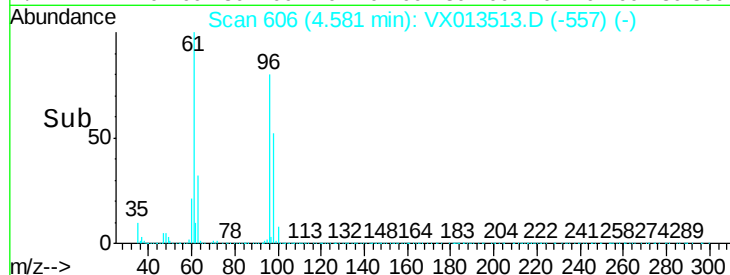
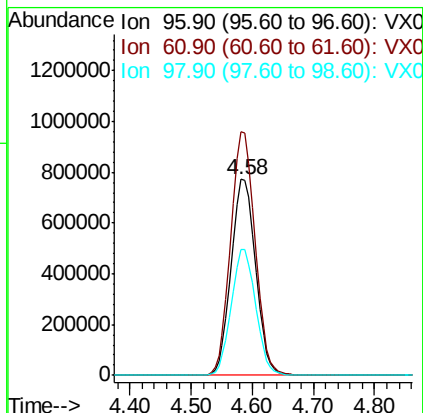
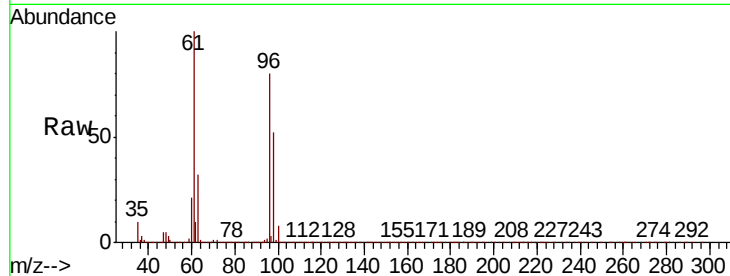


#27

cis-1,2-Dichloroethene
Concen: 272.501 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013513.D
Acq: 21 Nov 2019 19:06

Instrument :
MSVOA_X
ClientSampleId :
29BR-20191120

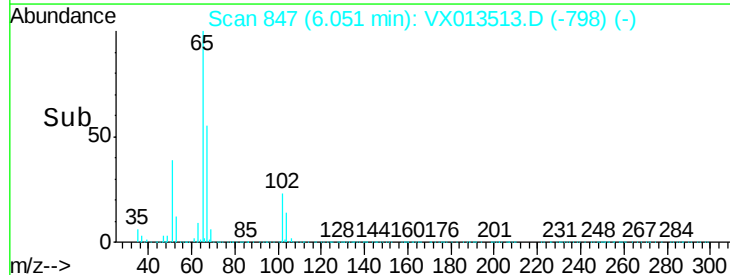
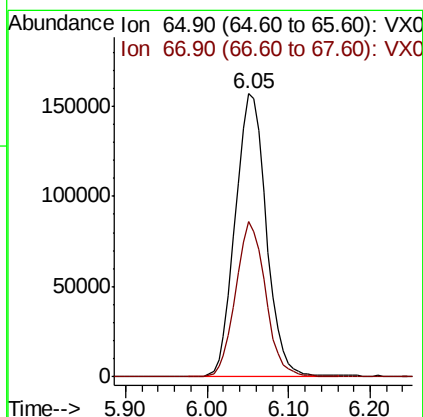
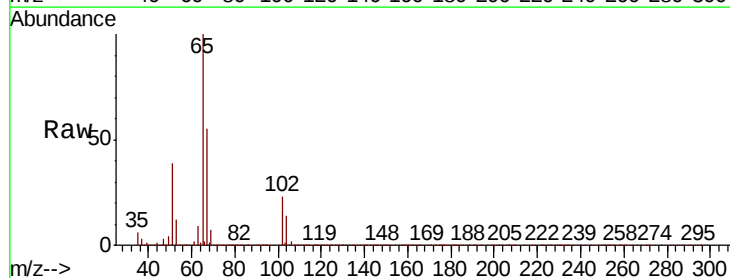
Tot Ion: 96 Resp: 2127206
Ion Ratio Lower Upper
96 100
61 123.8 0.0 288.0
98 63.9 0.0 129.6

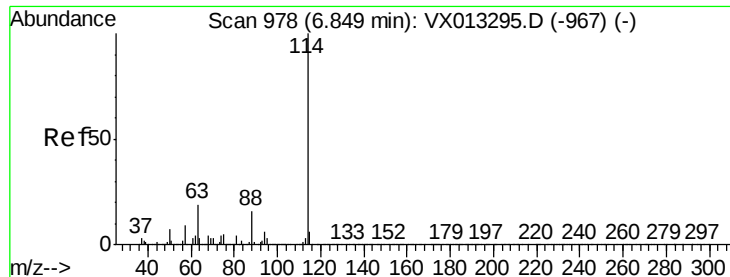


#33

1,2-Dichloroethane-d4
Concen: 49.859 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013513.D
Acq: 21 Nov 2019 19:06

Tgt Ion: 65 Resp: 412131
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.2

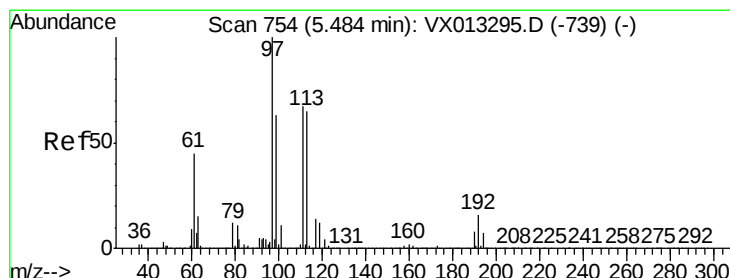
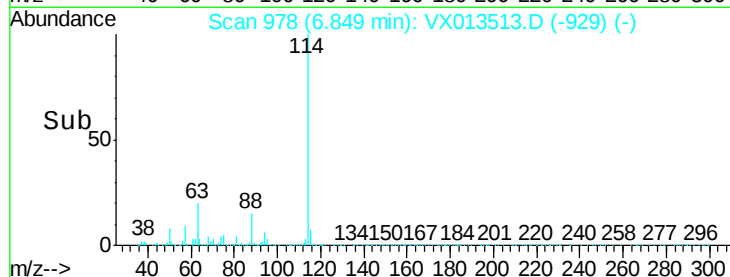
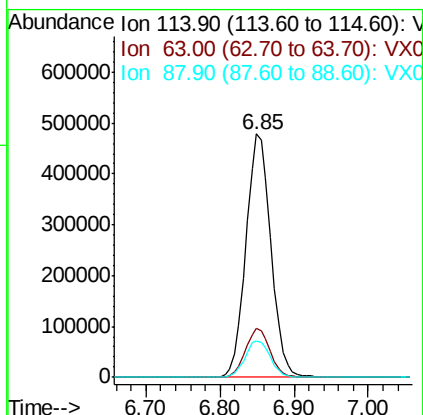
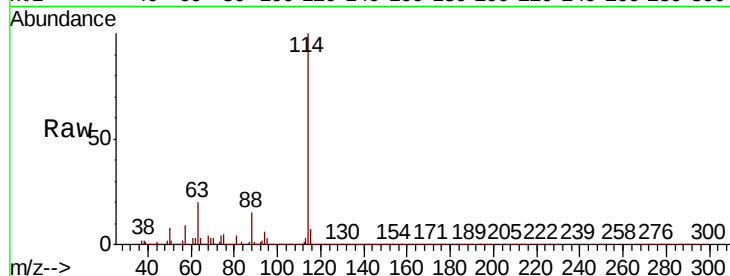




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013513.D
Acq: 21 Nov 2019 19:06

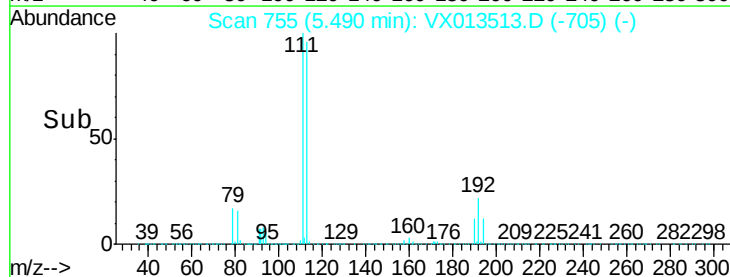
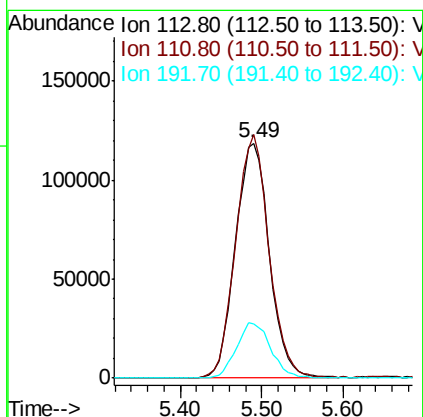
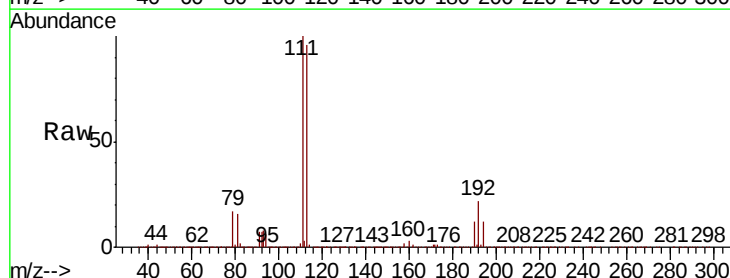
Instrument :
MSVOA_X
ClientSampleId :
29BR-20191120

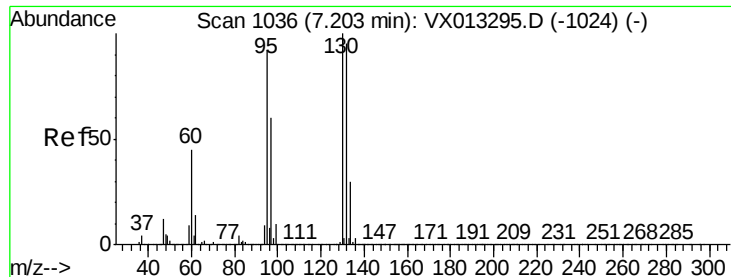
Tot Ion:114 Resp: 1128501
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 15.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 48.381 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013513.D
Acq: 21 Nov 2019 19:06

Tgt Ion:113 Resp: 342447
Ion Ratio Lower Upper
113 100
111 100.9 81.9 122.9
192 23.4 19.1 28.7





#44

Trichloroethene

Concen: 2564.544 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

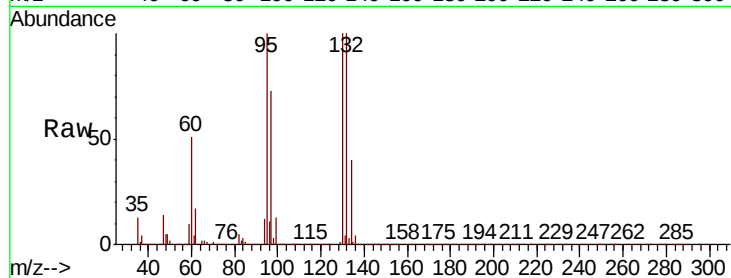
29BR-20191120

Tot Ion:130 Resp:21288337

Ion Ratio Lower Upper

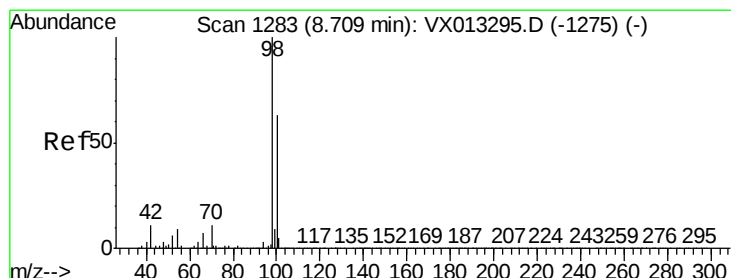
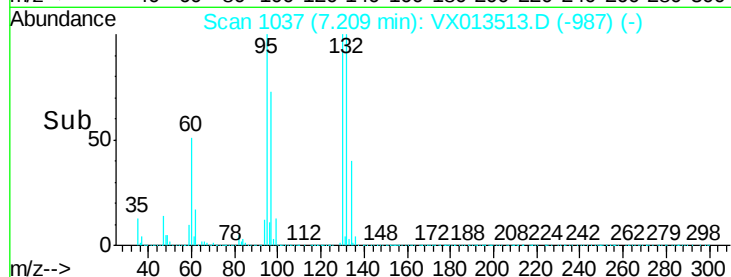
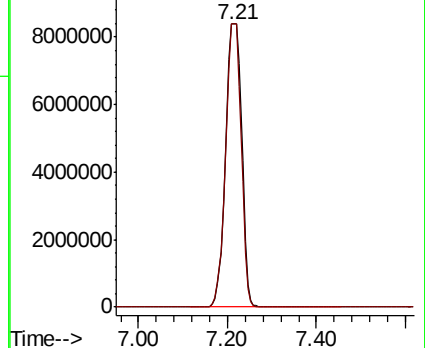
130 100

95 100.0 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.279 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013513.D

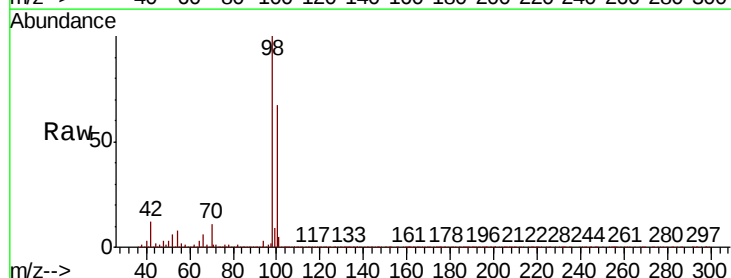
Acq: 21 Nov 2019 19:06

Tgt Ion: 98 Resp: 1341626

Ion Ratio Lower Upper

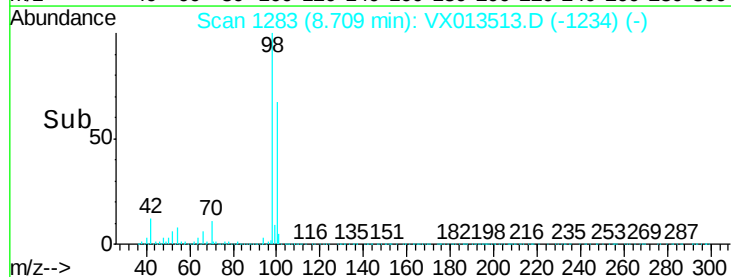
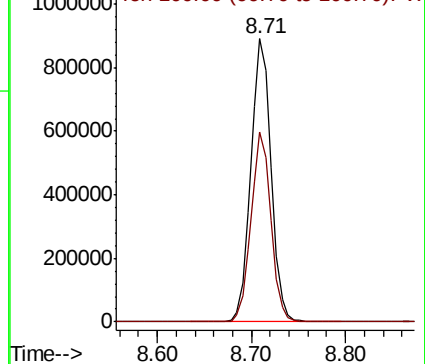
98 100

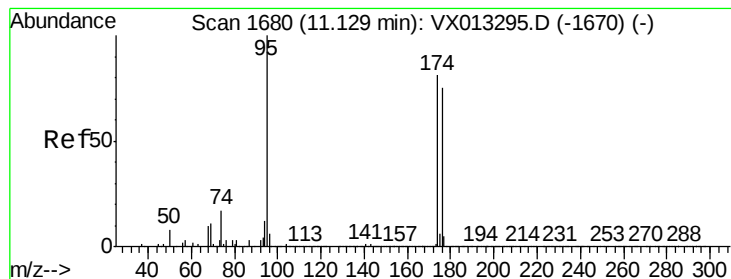
100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.929 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

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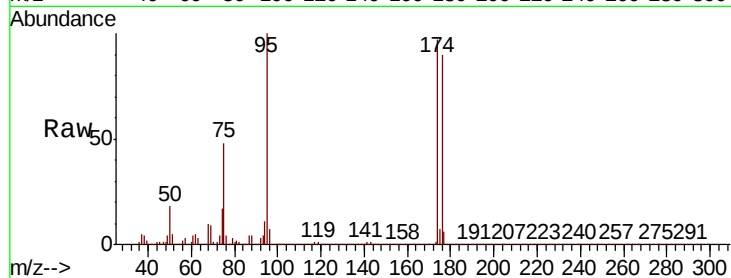
Tot Ion: 95 Resp: 451936

Ion Ratio Lower Upper

95 100

174 90.4 0.0 179.8

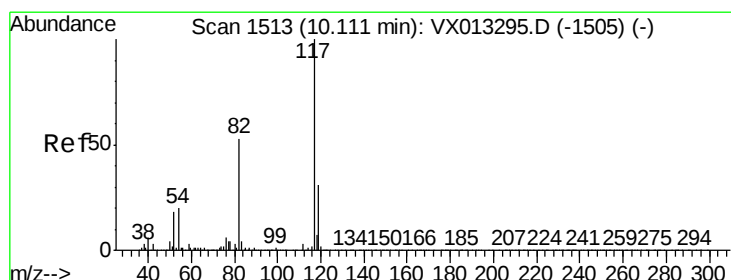
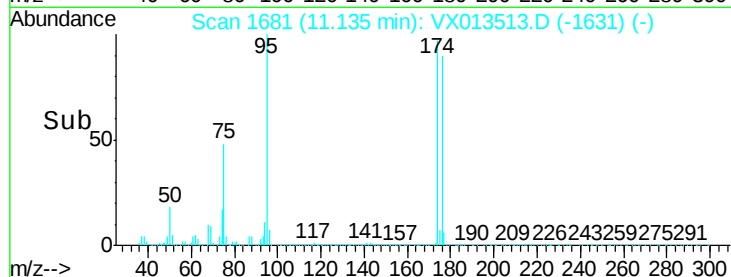
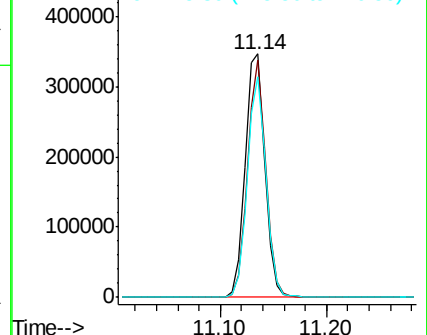
176 85.7 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

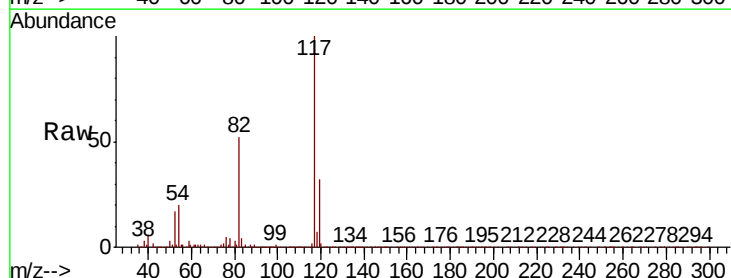
Tgt Ion: 117 Resp: 1004456

Ion Ratio Lower Upper

117 100

82 52.3 42.6 64.0

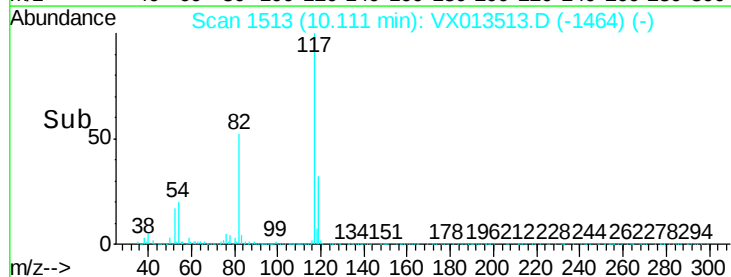
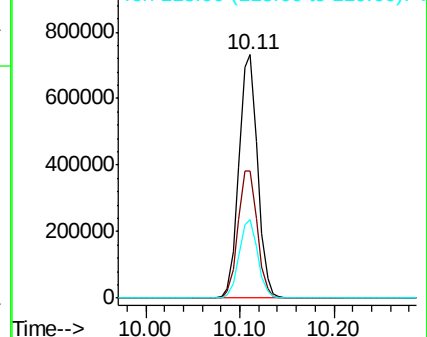
119 32.2 24.8 37.2

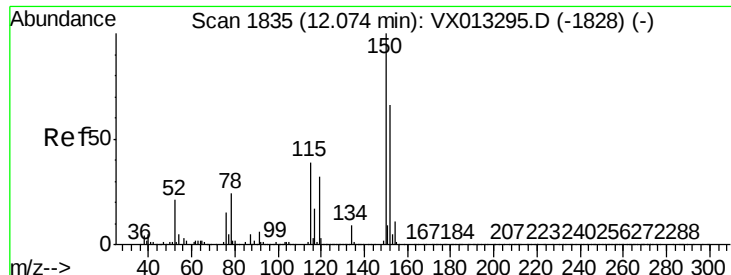


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013513.D

Acq: 21 Nov 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120

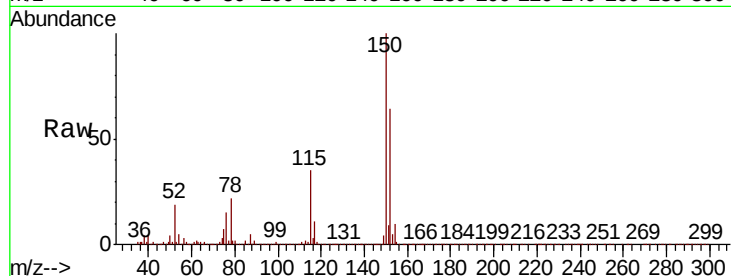
Tot Ion:152 Resp: 458076

Ion Ratio Lower Upper

152 100

115 55.0 39.5 118.3

150 154.5 0.0 344.4



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

