

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031620\
 Data File : VX015293.D
 Acq On : 16 Mar 2020 14:50
 Operator : JC/SP
 Sample : L1903-18DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20200310DL

Quant Time: Mar 17 07:41:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	308169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	508422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	486138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	249224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	178807	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.49	113	151967	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	621192	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	228822	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	

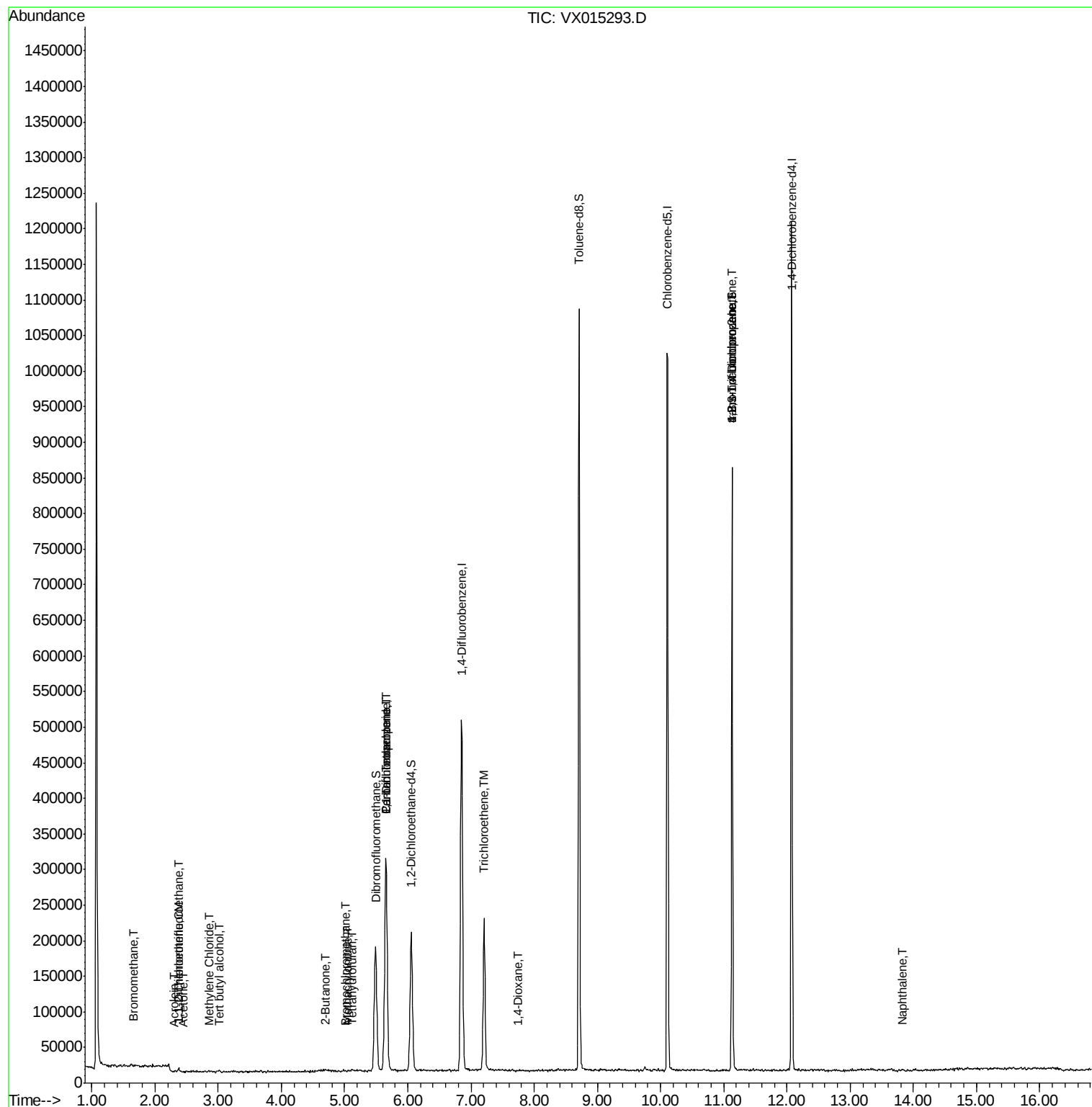
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	875	0.367	ug/l #	50
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2095	0.722	ug/l	96
11) Tert butyl alcohol	3.01	59	847	1.335	ug/l #	47
12) 1,1-Dichloroethene	2.37	96	1031	0.344	ug/l	95
13) Acrolein	2.29	56	220	0.369	ug/l	86
16) Acetone	2.46	43	899	0.607	ug/l #	44
20) Methylene Chloride	2.84	84	982	0.283	ug/l #	66
25) 2-Butanone	4.69	43	490	0.226	ug/l #	49
28) Bromochloromethane	5.01	49	762	0.290	ug/l #	11
29) Tetrahydrofuran	5.12	42	576	0.412	ug/l #	56
36) 1,1-Dichloropropene	5.65	75	21481	4.570	ug/l #	51
38) Carbon Tetrachloride	5.65	117	27076	6.103	ug/l #	17
41) Methacrylonitrile	5.04	41	760	0.290	ug/l #	41
44) Trichloroethene	7.21	130	87134	22.437	ug/l	94
49) 1,4-Dioxane	7.75	88	225	2.666	ug/l #	60
76) 1,2,3-Trichloropropane	11.13	75	109515	22.030	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	109515	62.520	ug/l #	11
95) Naphthalene	13.83	128	829	1.469	ug/l #	74

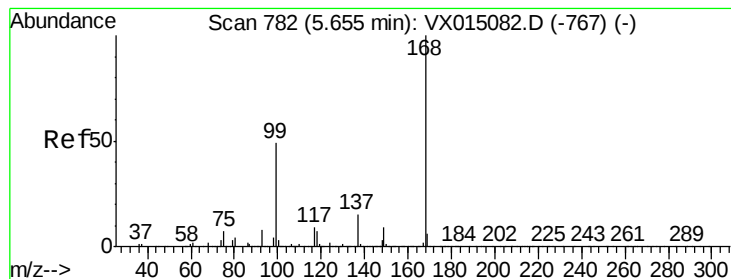
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

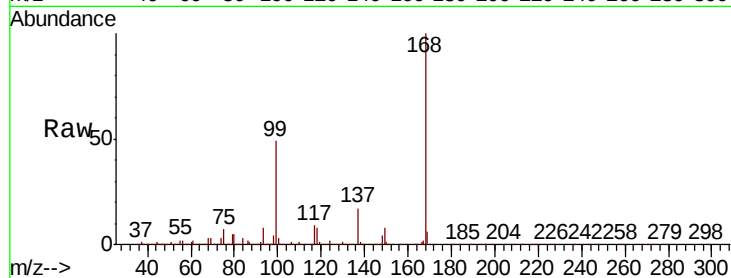
TT101D2-20200310DL

Tot Ion:168 Resp: 308169

Ion Ratio Lower Upper

168 100

99 48.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

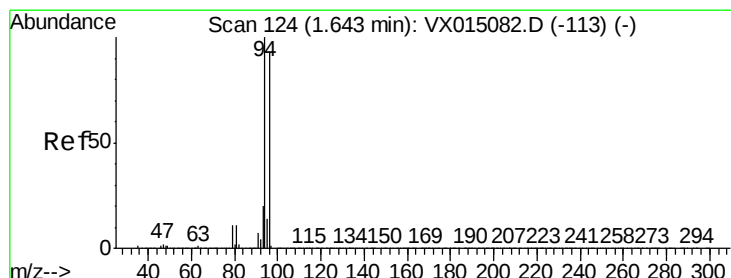
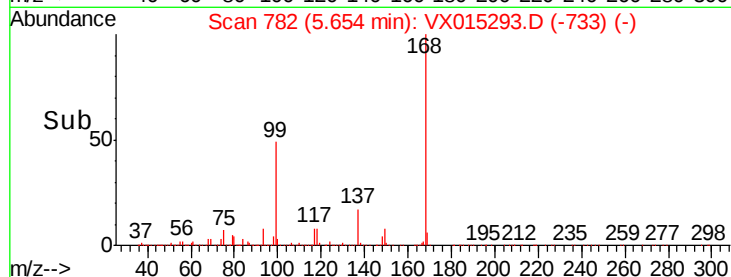
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.367 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015293.D

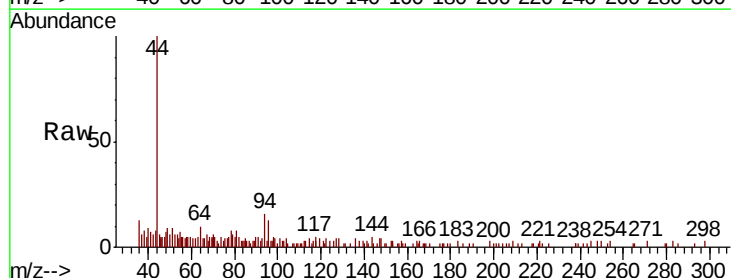
Acq: 16 Mar 2020 14:50

Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

94 100

96 45.3 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

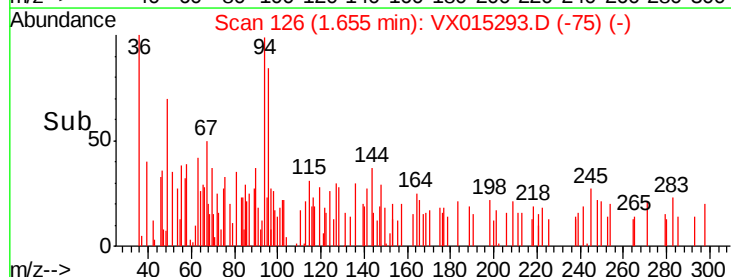
300

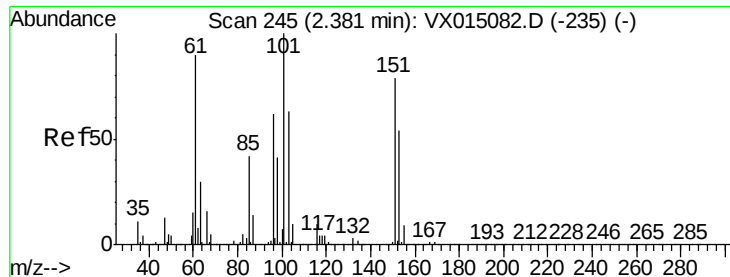
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.722 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.01 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

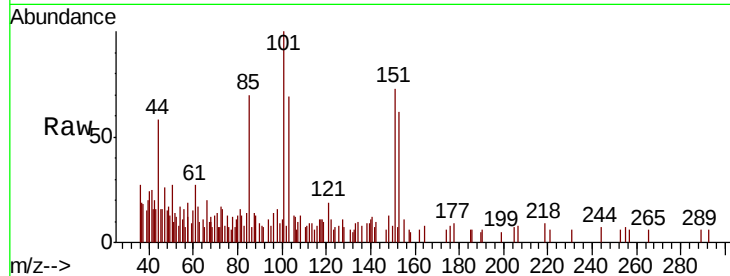
Tot Ion:101 Resp: 2095

Ion Ratio Lower Upper

101 100

85 43.9 33.7 50.5

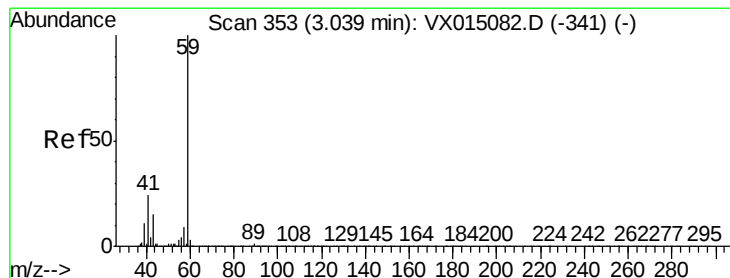
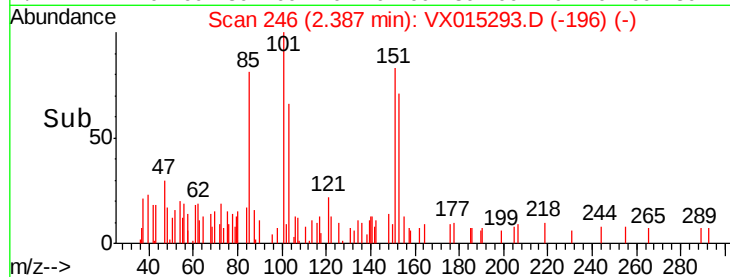
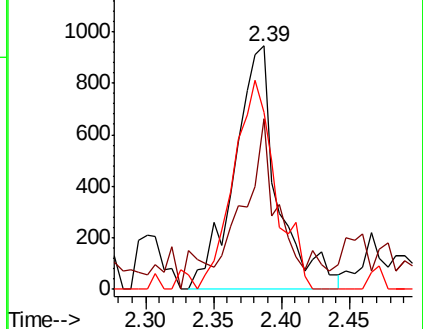
151 83.9 64.0 96.0



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



#11

Tert butyl alcohol

Concen: 1.335 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX015293.D

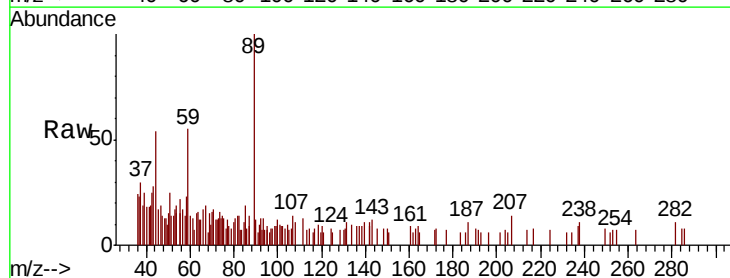
Acq: 16 Mar 2020 14:50

Tgt Ion: 59 Resp: 847

Ion Ratio Lower Upper

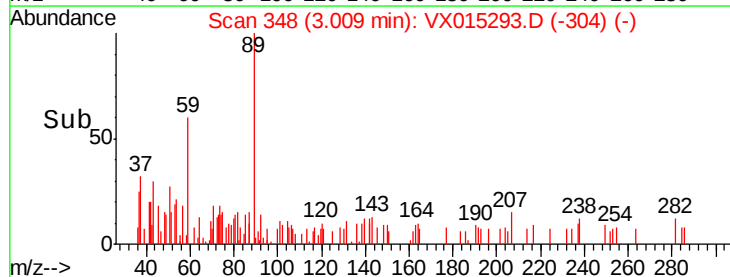
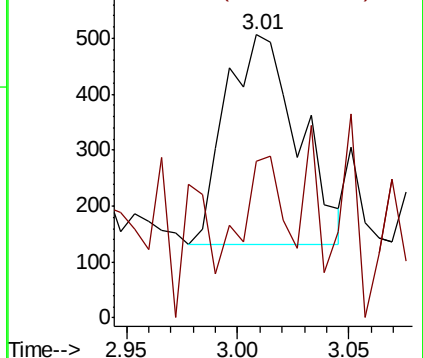
59 100

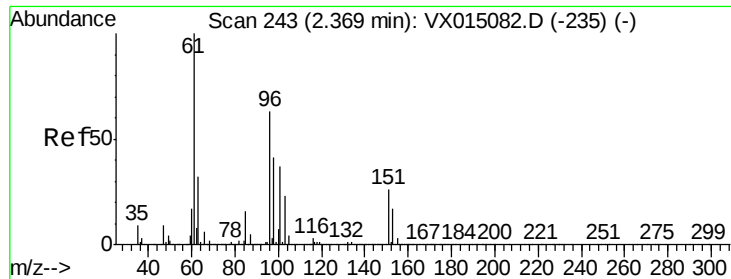
57 30.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.344 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

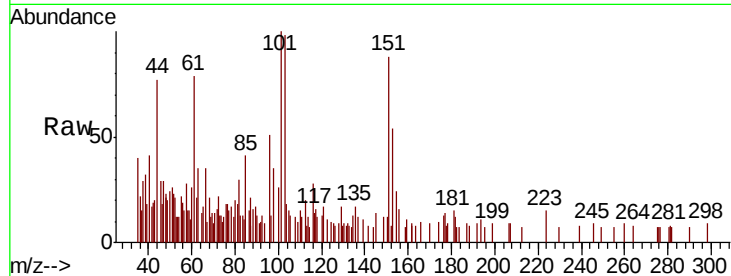
Tot Ion: 96 Resp: 1031

Ion Ratio Lower Upper

96 100

61 154.6 126.2 189.4

98 73.0 51.4 77.0



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

800

600

400

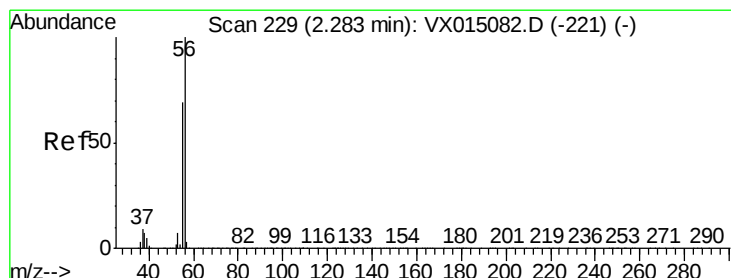
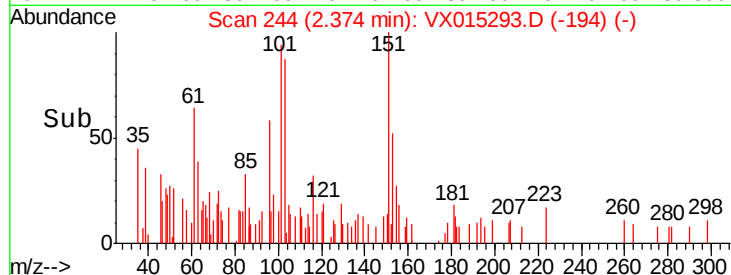
200

0

2.30 2.35 2.40

2.37

Time-->



#13

Acrolein

Concen: 0.369 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015293.D

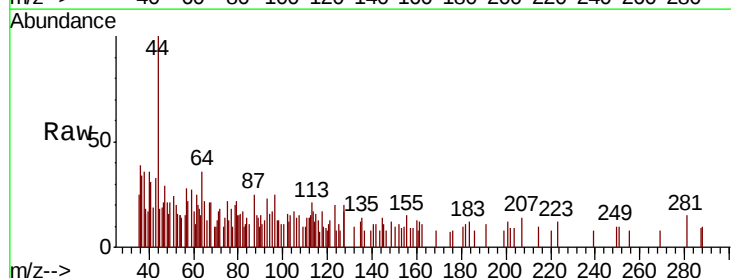
Acq: 16 Mar 2020 14:50

Tgt Ion: 56 Resp: 220

Ion Ratio Lower Upper

56 100

55 80.5 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

300

200

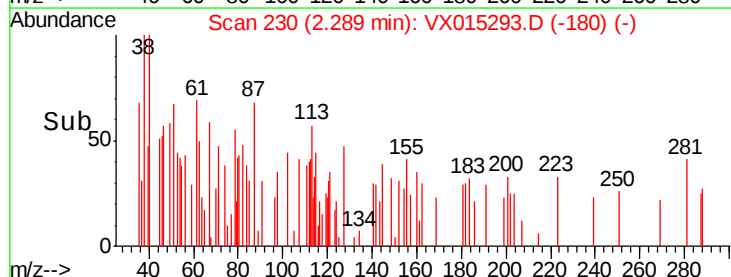
100

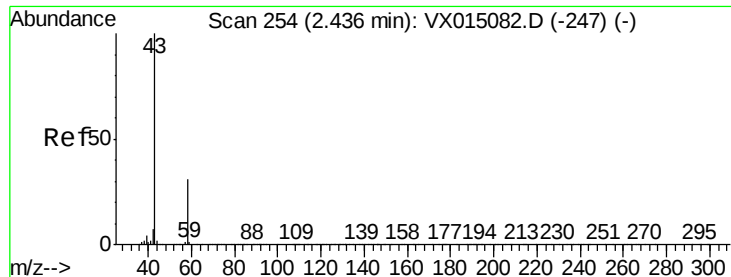
0

2.28 2.29 2.30

2.29

Time-->

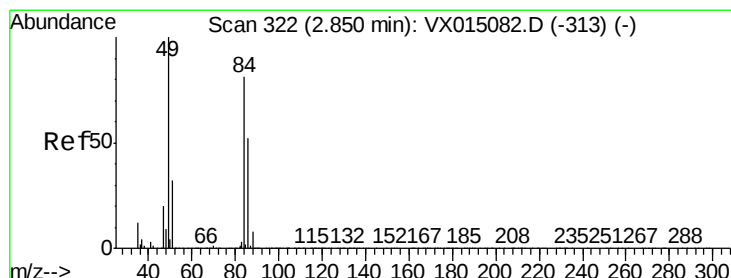
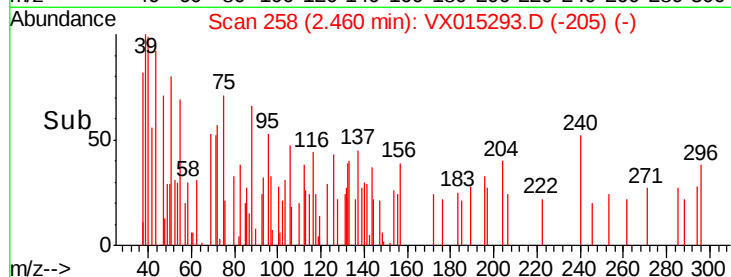
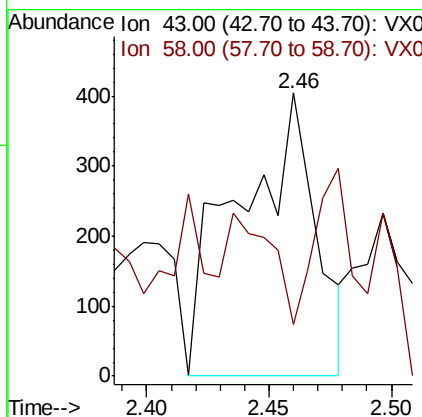
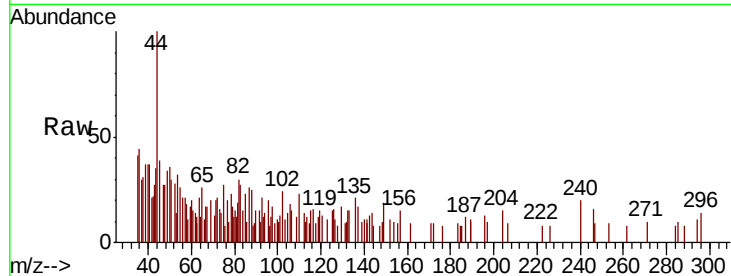




#16
Acetone
Concen: 0.607 ug/l
RT: 2.46 min Scan# 258
Delta R.T. 0.02 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

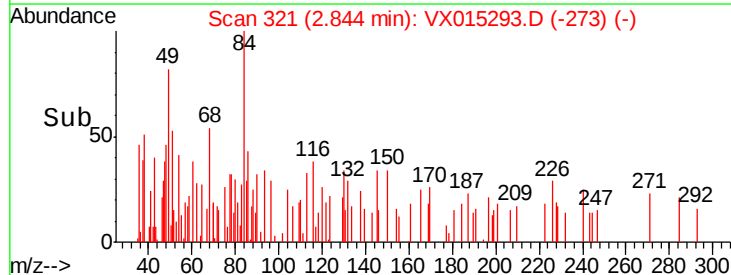
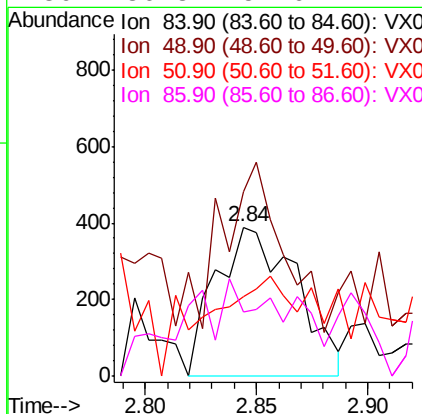
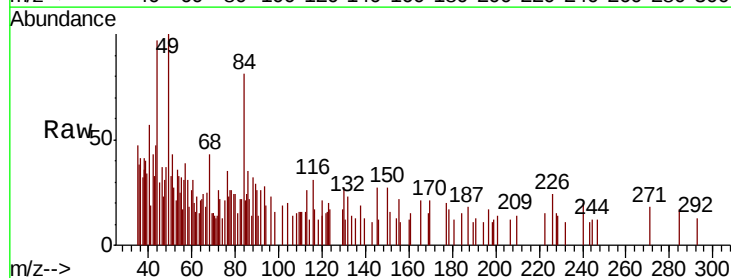
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20200310DL

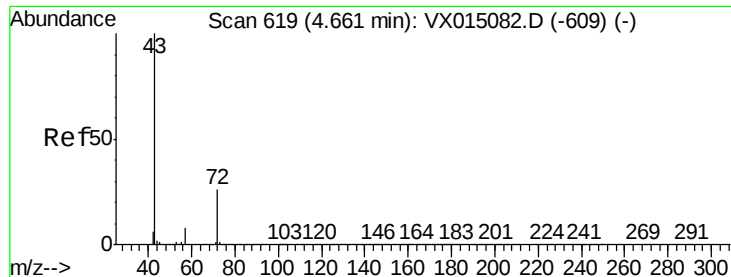
Tot Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

Tgt Ion: 84 Resp: 982
Ion Ratio Lower Upper
84 100
49 81.5 99.4 149.2#
51 26.5 31.5 47.3#
86 36.3 51.6 77.4#





#25

2-Butanone

Concen: 0.226 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.03 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

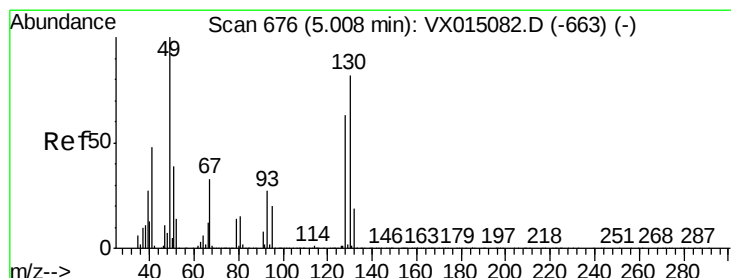
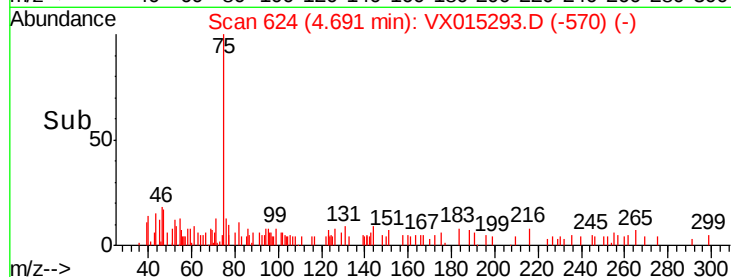
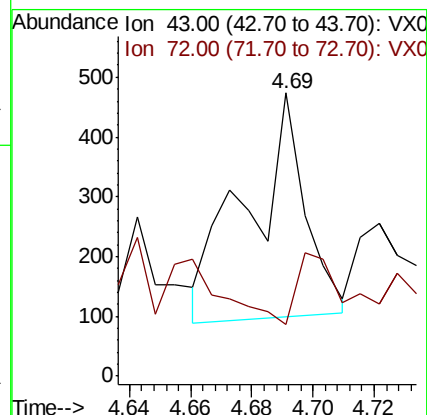
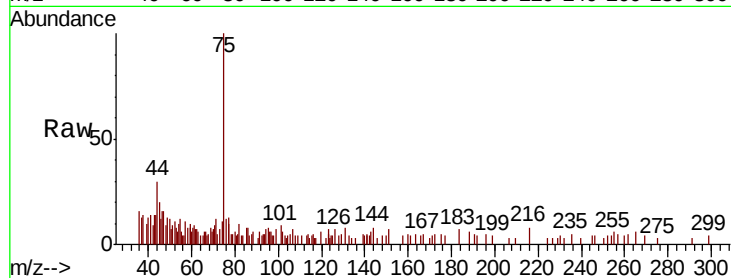
TT101D2-20200310DL

Tot Ion: 43 Resp: 490

Ion Ratio Lower Upper

43 100

72 0.0 20.6 30.8#



#28

Bromochloromethane

Concen: 0.290 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

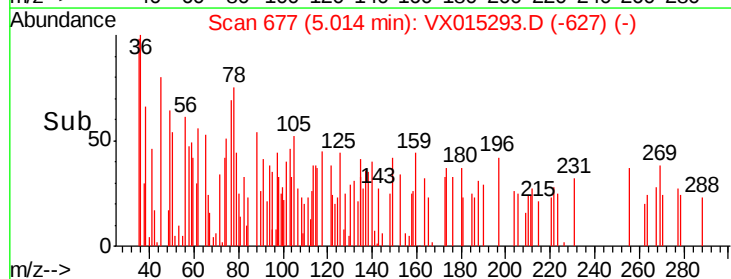
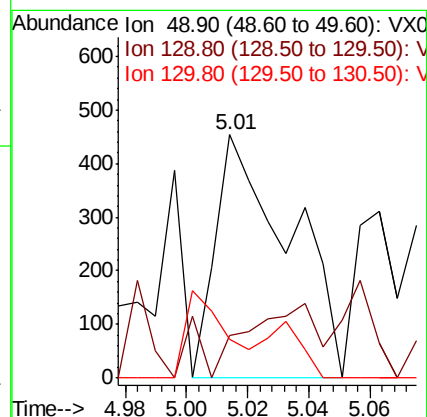
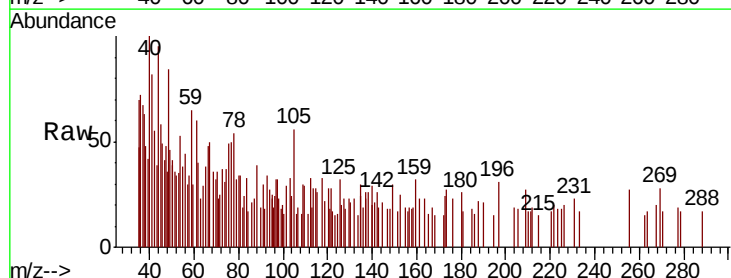
Tgt Ion: 49 Resp: 762

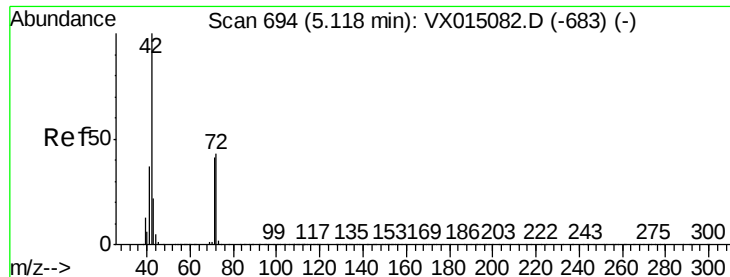
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 65.0 97.6#





#29

Tetrahydrofuran

Concen: 0.412 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

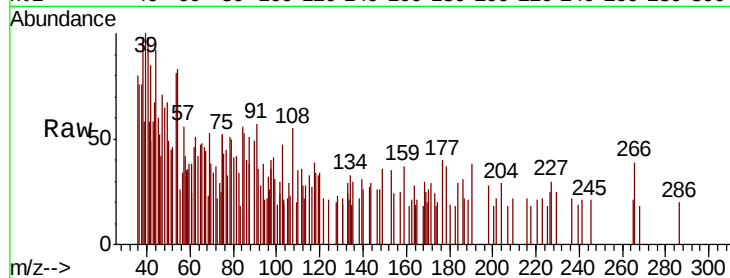
Tot Ion: 42 Resp: 576

Ion Ratio Lower Upper

42 100

72 29.9 36.4 54.6#

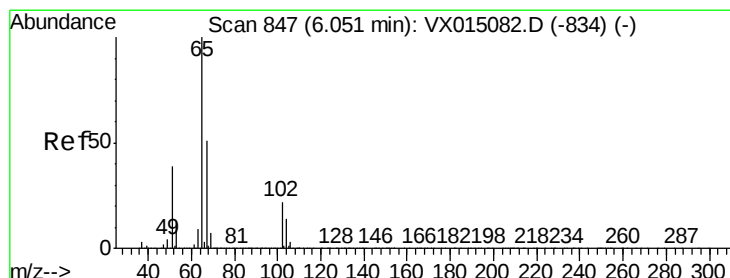
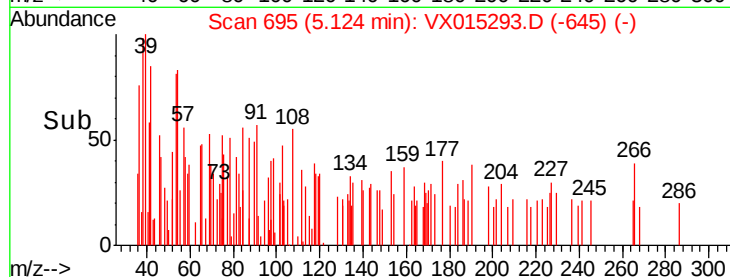
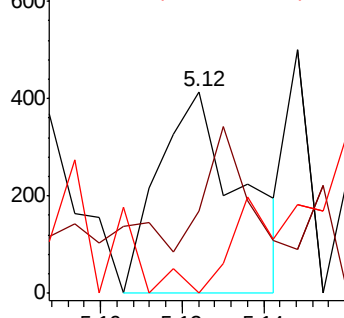
71 0.0 33.3 49.9#



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



#33

1,2-Dichloroethane-d4

Concen: 48.907 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015293.D

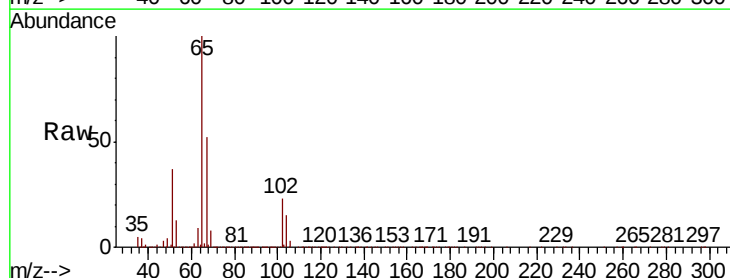
Acq: 16 Mar 2020 14:50

Tgt Ion: 65 Resp: 178807

Ion Ratio Lower Upper

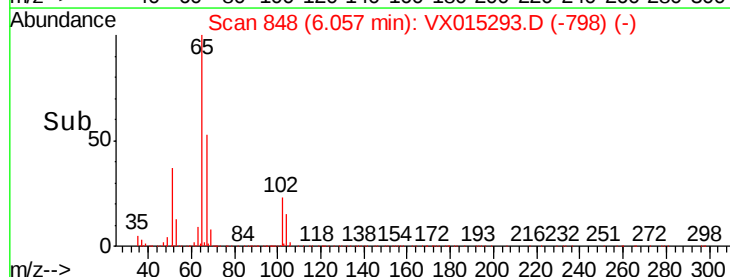
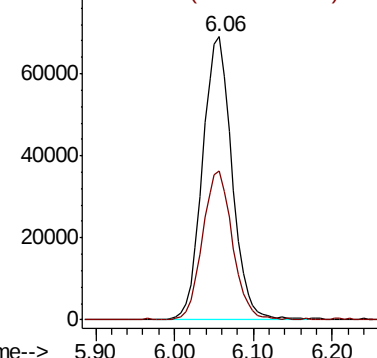
65 100

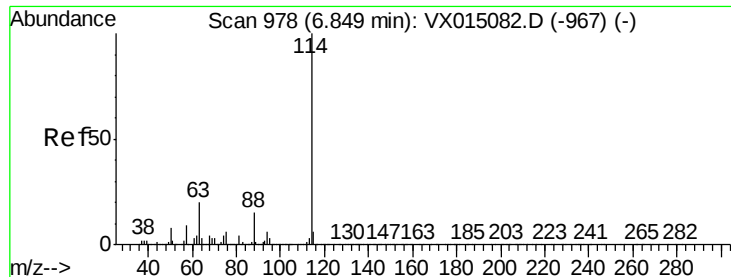
67 53.6 0.0 105.6



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# 978

Delta R.T. -0.00 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

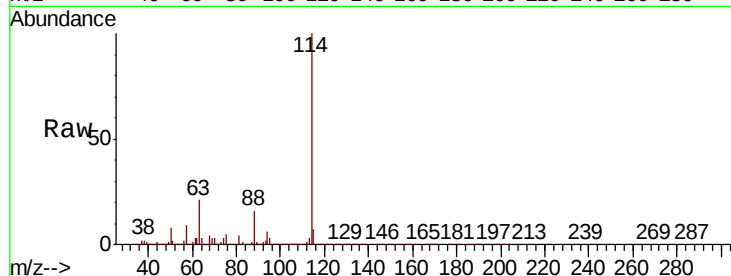
Tot Ion:114 Resp: 508422

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

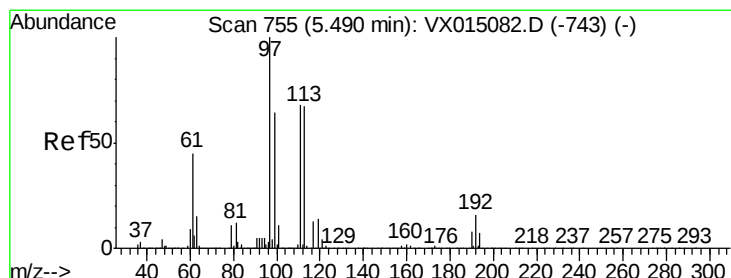
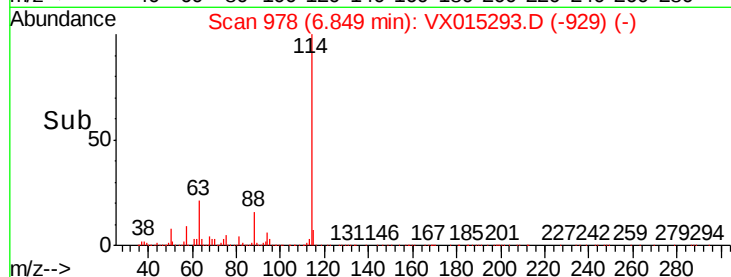
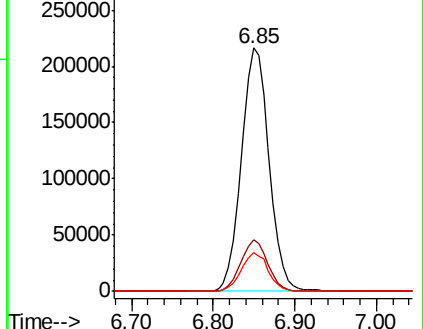
88 15.8 0.0 30.6



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: 47.379 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

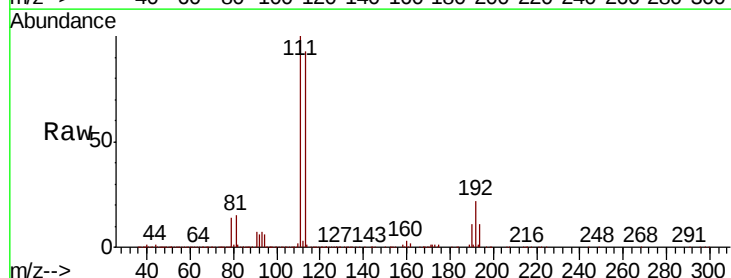
Tgt Ion:113 Resp: 151967

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

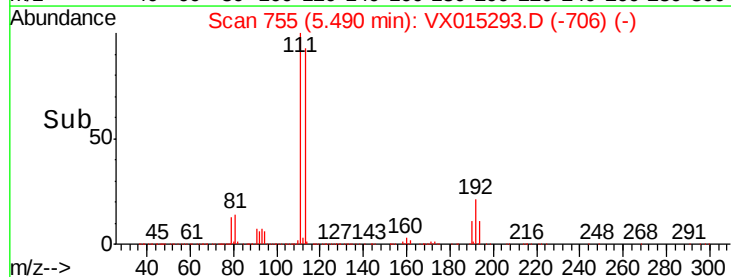
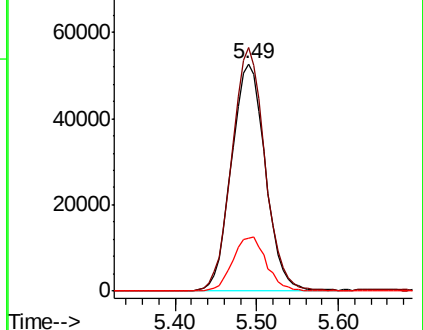
192 23.8 18.6 28.0

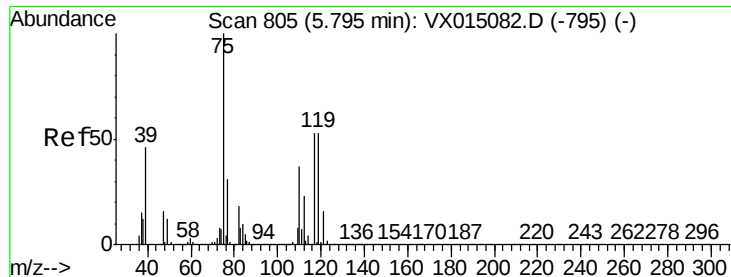


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.570 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

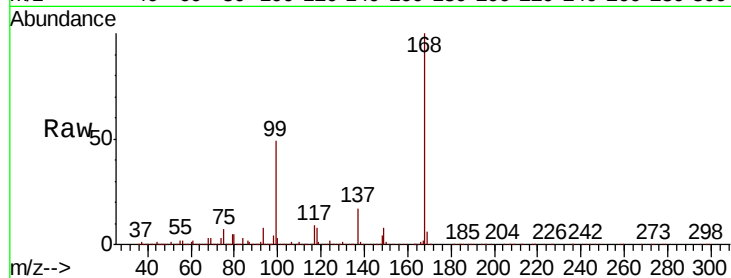
Tot Ion: 75 Resp: 21481

Ion Ratio Lower Upper

75 100

110 10.6 17.9 53.8#

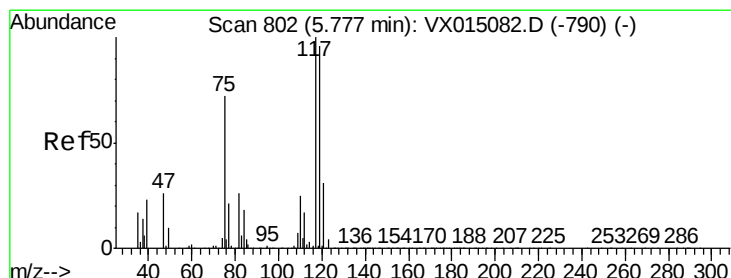
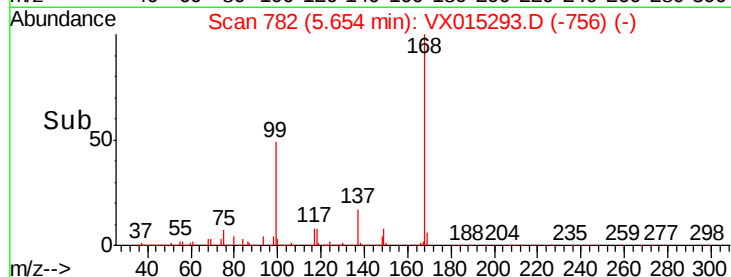
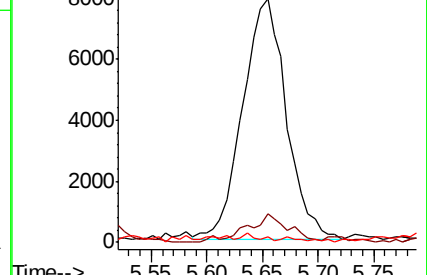
77 0.8 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.103 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

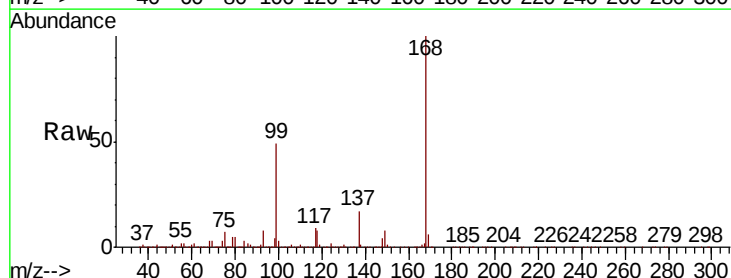
Tgt Ion: 117 Resp: 27076

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

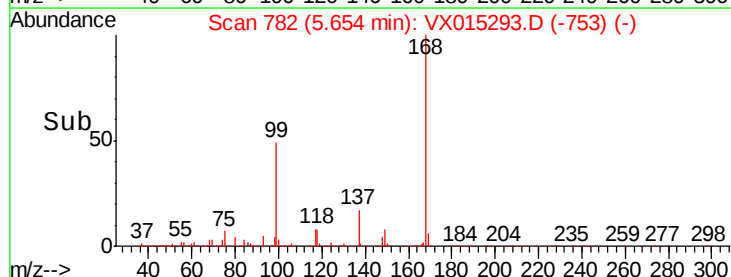
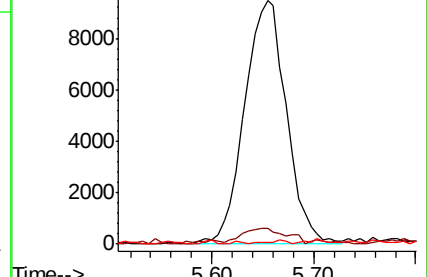
121 0.8 24.6 37.0#

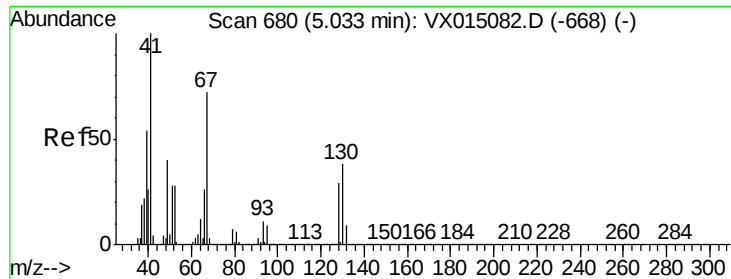


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

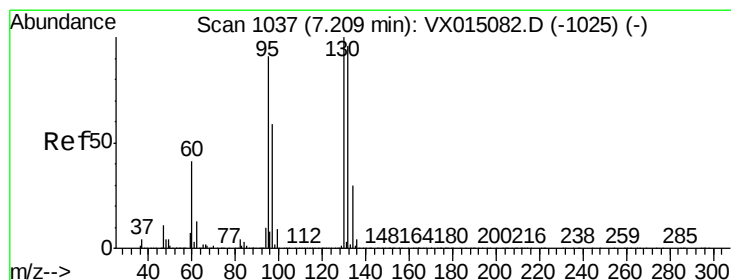
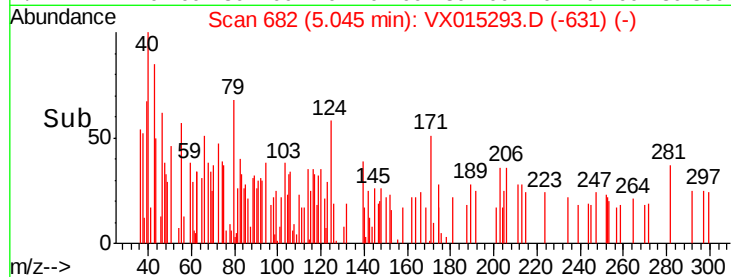
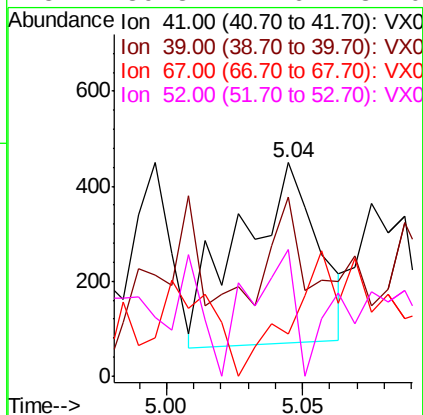
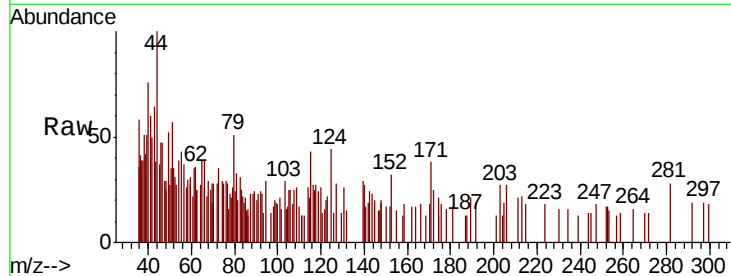




#41
Methacrylonitrile
Concen: 0.290 ug/l
RT: 5.04 min Scan# 682
Delta R.T. 0.01 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

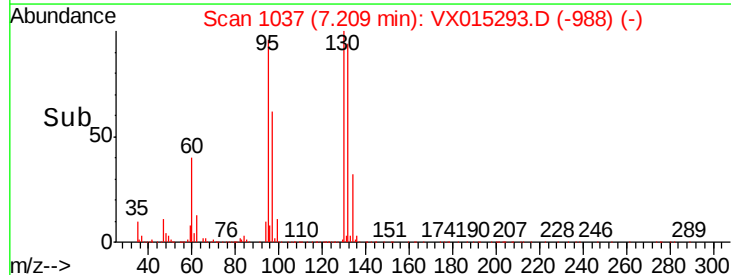
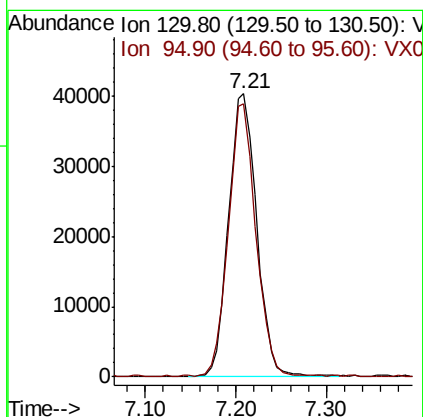
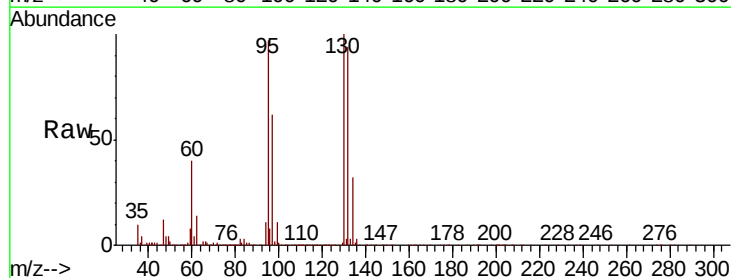
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20200310DL

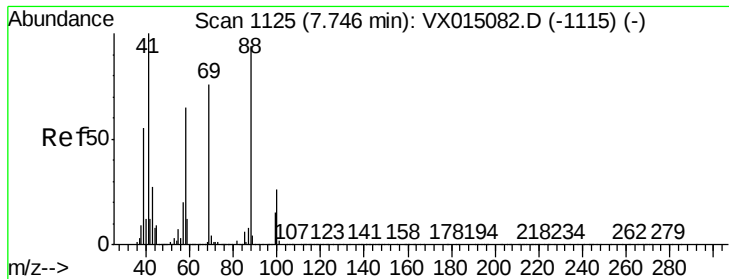
Tot Ion: 41 Resp: 760
Ion Ratio Lower Upper
41 100
39 24.1 43.9 65.9#
67 0.0 57.8 86.8#
52 39.3 22.6 34.0#



#44
Trichloroethene
Concen: 22.437 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

Tgt Ion: 130 Resp: 87134
Ion Ratio Lower Upper
130 100
95 96.2 0.0 181.2

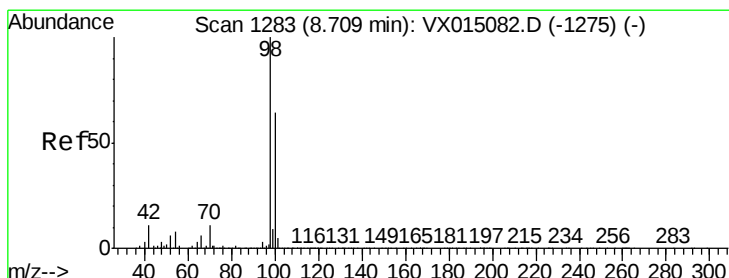
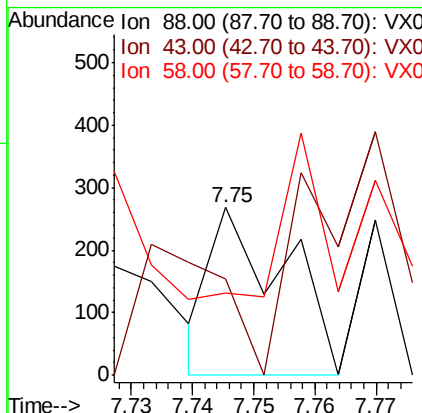
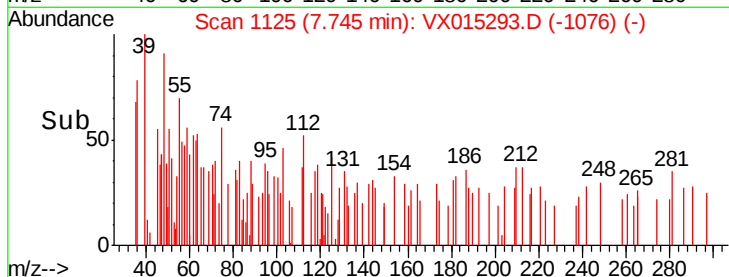
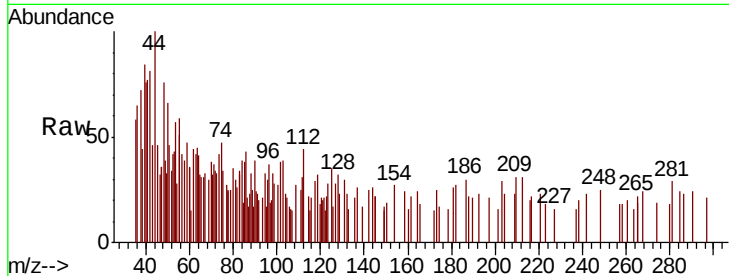




#49
1,4-Dioxane
Concen: 2.666 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

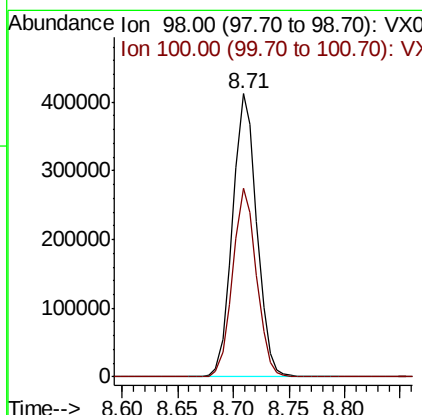
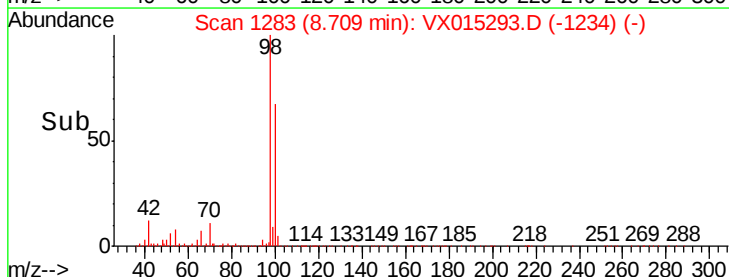
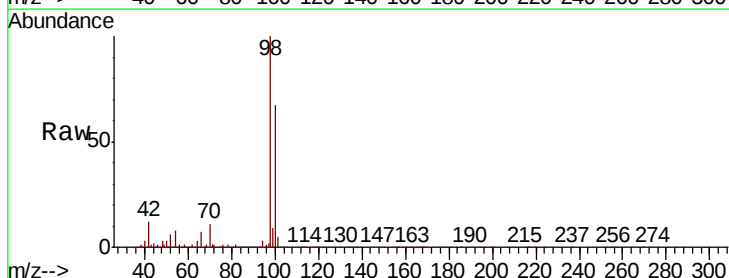
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20200310DL

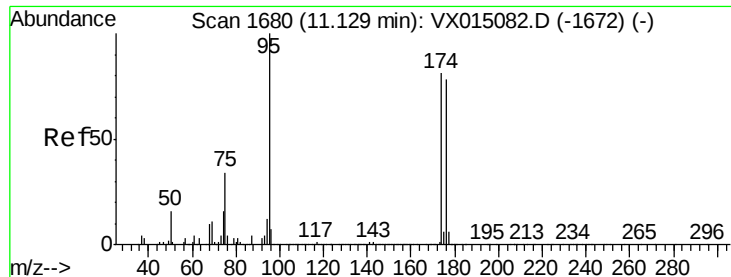
Tot Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 94.2 55.6 83.4#



#50
Toluene-d8
Concen: 50.914 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

Tgt Ion: 98 Resp: 621192
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 52.580 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

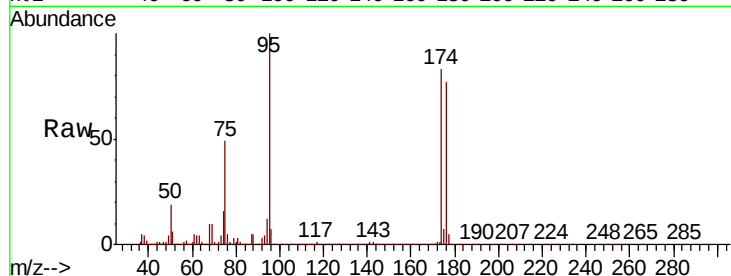
Tot Ion: 95 Resp: 228822

Ion Ratio Lower Upper

95 100

174 87.6 0.0 177.6

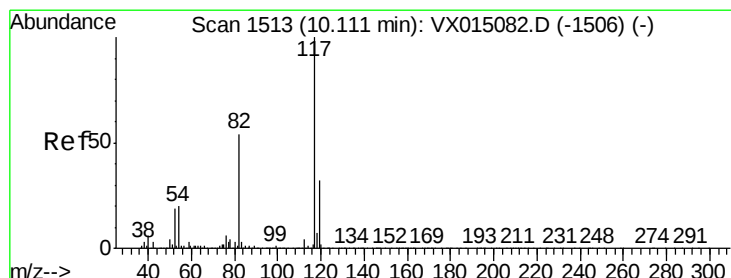
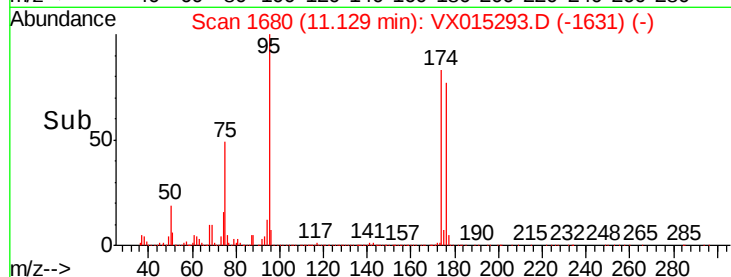
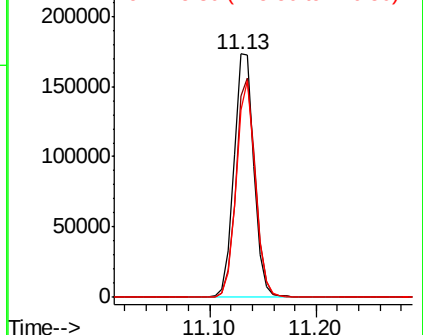
176 84.8 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

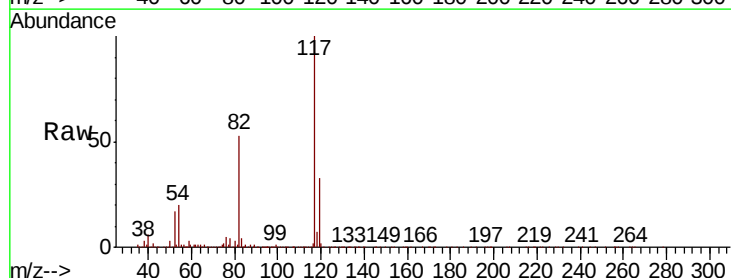
Tgt Ion: 117 Resp: 486138

Ion Ratio Lower Upper

117 100

82 53.1 43.3 64.9

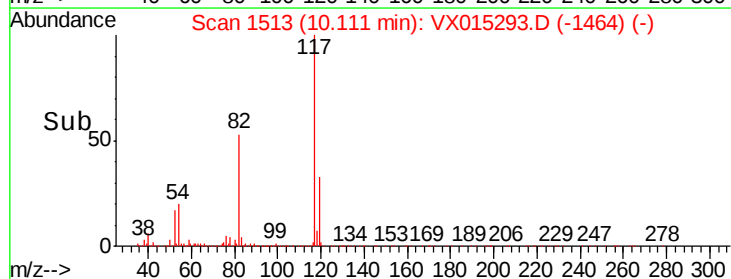
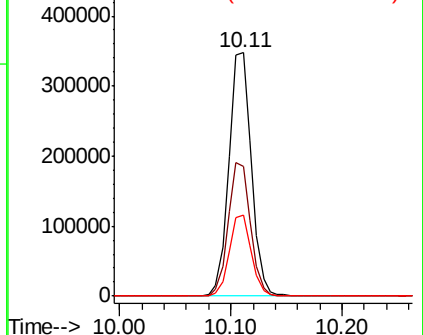
119 33.1 25.8 38.8

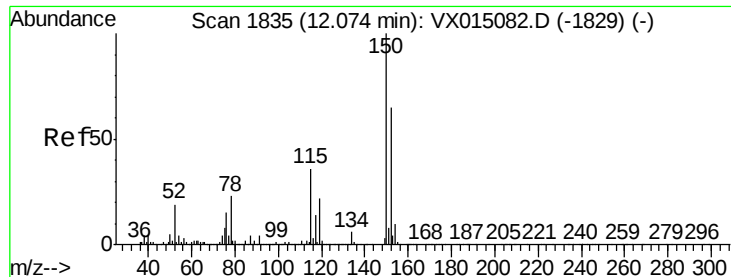


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015293.D

Acq: 16 Mar 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20200310DL

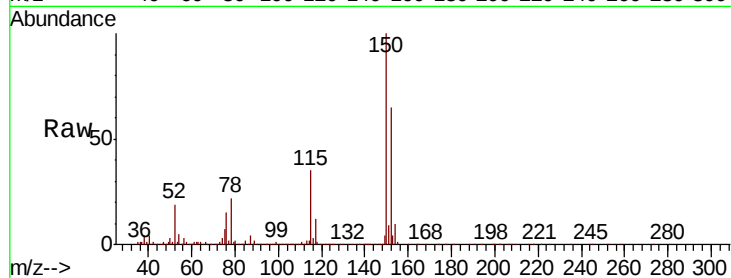
Tot Ion:152 Resp: 249224

Ion Ratio Lower Upper

152 100

115 56.4 38.2 114.6

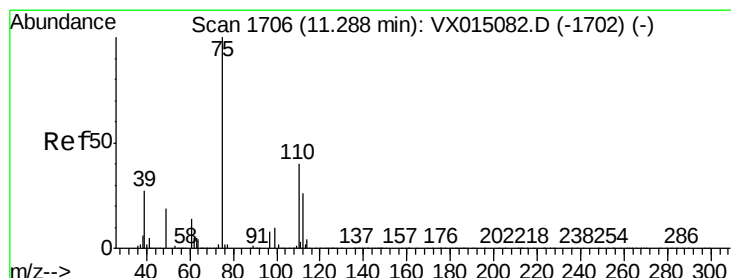
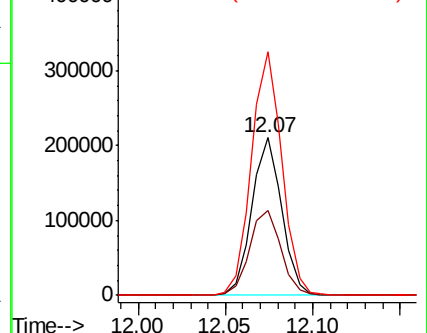
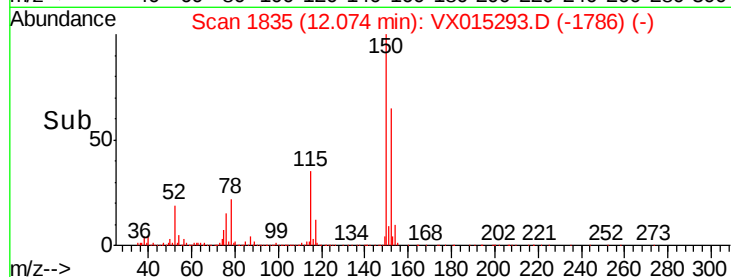
150 157.7 0.0 343.8



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: 22.030 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015293.D

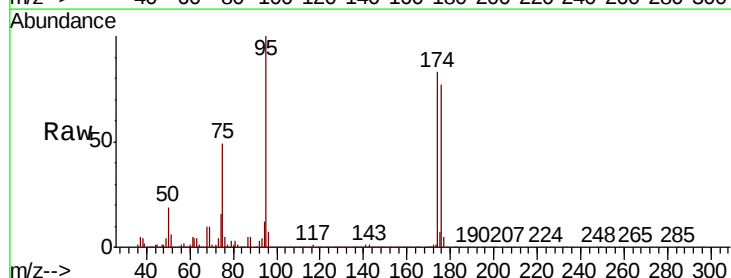
Acq: 16 Mar 2020 14:50

Tgt Ion: 75 Resp: 109515

Ion Ratio Lower Upper

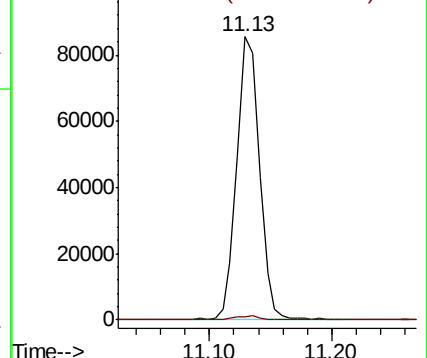
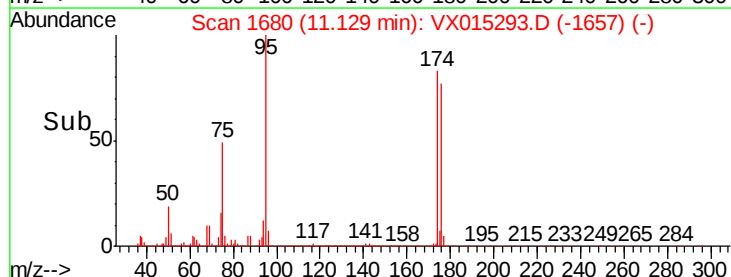
75 100

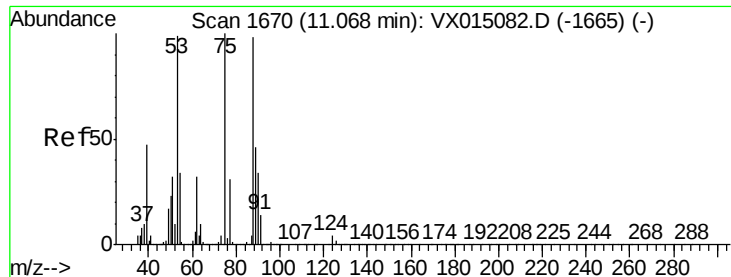
77 1.6 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

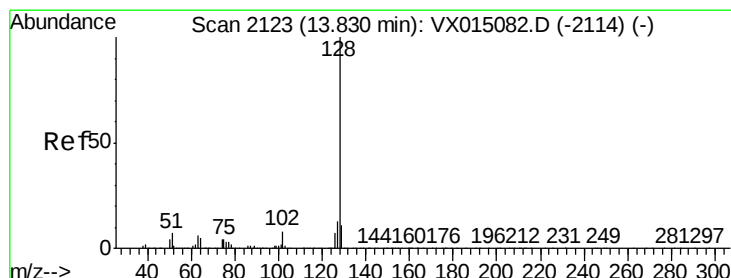
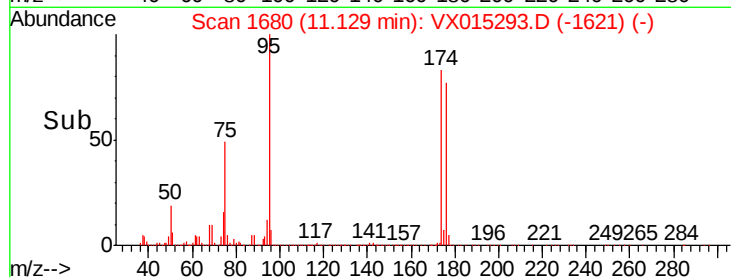
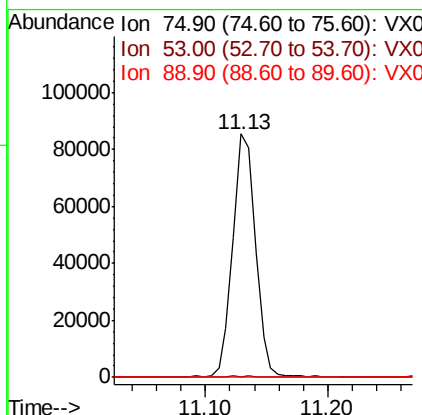
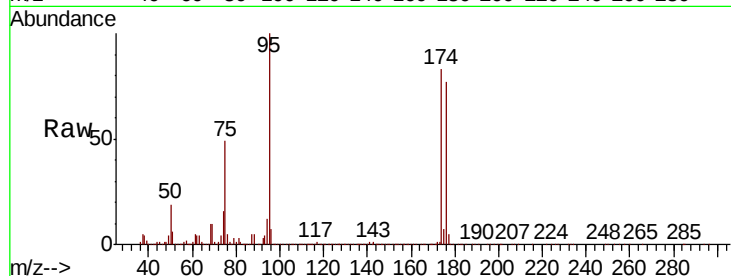




#81
trans-1,4-Dichloro-2-butene
Concen: 62.520 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20200310DL

Tot Ion: 75 Resp: 109515
Ion Ratio Lower Upper
75 100
53 0.6 77.9 116.9#
89 0.0 36.2 54.2#



#95
Naphthalene
Concen: 1.469 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015293.D
Acq: 16 Mar 2020 14:50

Tgt Ion: 128 Resp: 829
Ion Ratio Lower Upper
128 100
127 22.2 10.3 15.5#
129 0.0 8.6 13.0#

