

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013616.D
 Acq On : 26 Nov 2019 22:49
 Operator : JC/SP
 Sample : VX1126WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBL02

Quant Time: Nov 27 03:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	685141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1093989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	979928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	449945	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	394999	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	5.49	113	326117	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1309613	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	443119	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

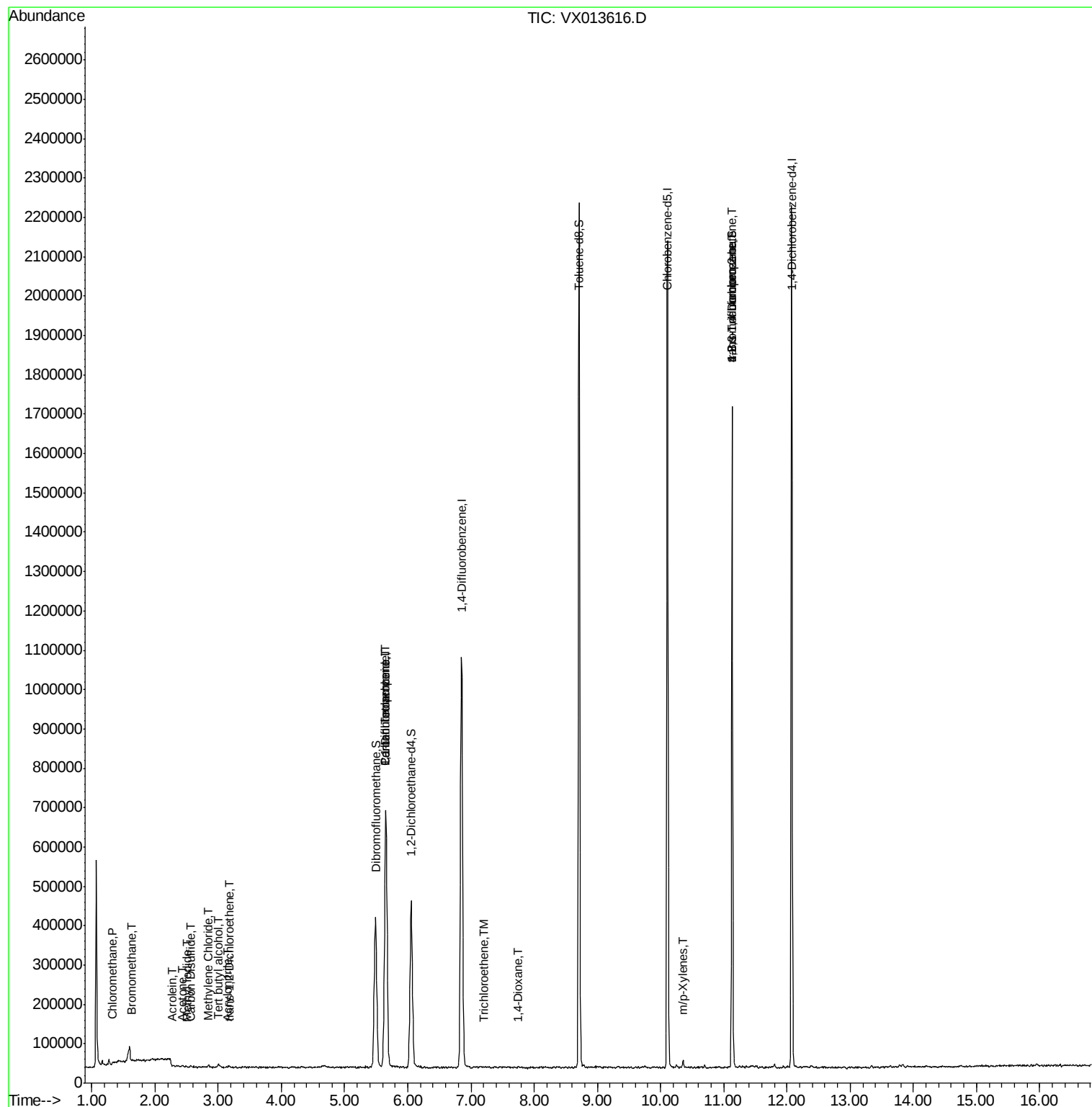
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1862	0.218	ug/l #	43
5) Bromomethane	1.64	94	2096	0.324	ug/l	81
10) Methyl Iodide	2.51	142	2572	0.325	ug/l #	87
11) Tert butyl alcohol	3.01	59	5338	2.719	ug/l	97
13) Acrolein	2.28	56	813	6.608	ug/l #	67
15) Acrylonitrile	3.15	53	1319	0.326	ug/l #	17
16) Acetone	2.43	43	5055	1.287	ug/l	90
17) Carbon Disulfide	2.56	76	4853	0.261	ug/l	100
20) Methylene Chloride	2.84	84	3111	0.412	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	1455	0.205	ug/l #	39
36) 1,1-Dichloropropene	5.65	75	45277	4.559	ug/l #	52
38) Carbon Tetrachloride	5.65	117	62469	6.822	ug/l #	16
44) Trichloroethene	7.20	130	1818	0.219	ug/l	28
49) 1,4-Dioxane	7.74	88	225	1.128	ug/l #	1
68) m/p-Xylenes	10.36	106	6845	0.511	ug/l #	67
76) 1,2,3-Trichloropropane	11.13	75	217025	21.445	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	217025	58.670	ug/l #	11

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampled :

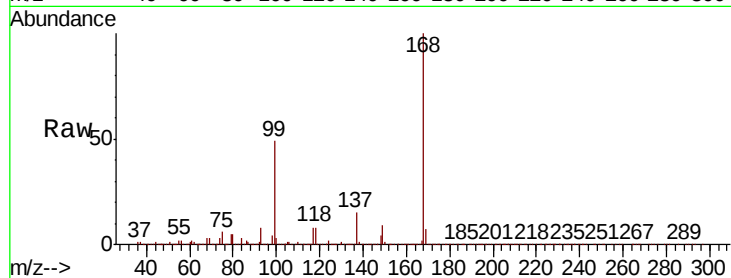
VX1126WBL02

Tot Ion:168 Resp: 685141

Ion Ratio Lower Upper

168 100

99 49.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

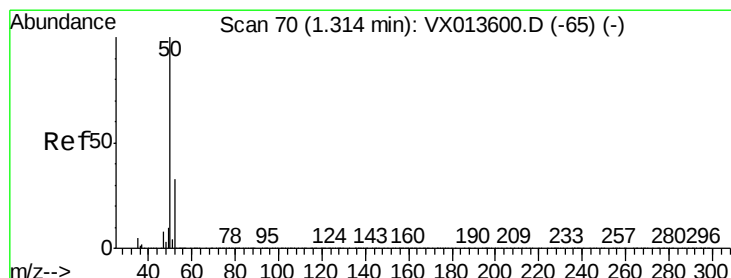
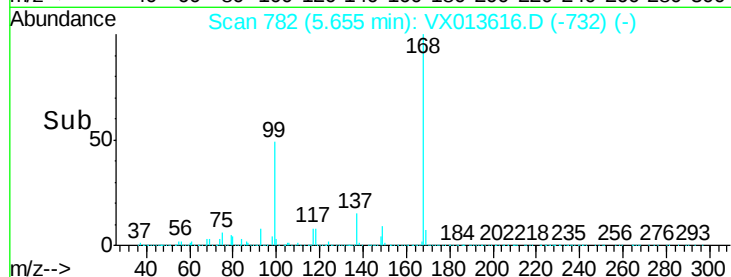
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.218 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013616.D

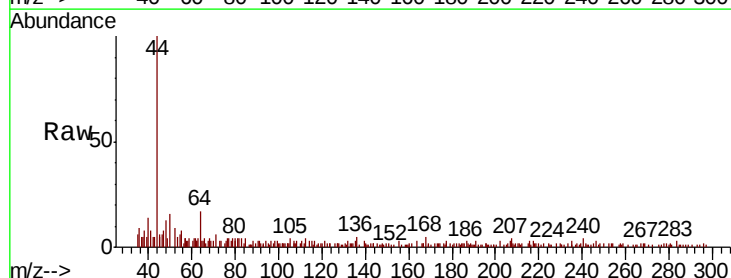
Acq: 26 Nov 2019 22:49

Tgt Ion: 50 Resp: 1862

Ion Ratio Lower Upper

50 100

52 0.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

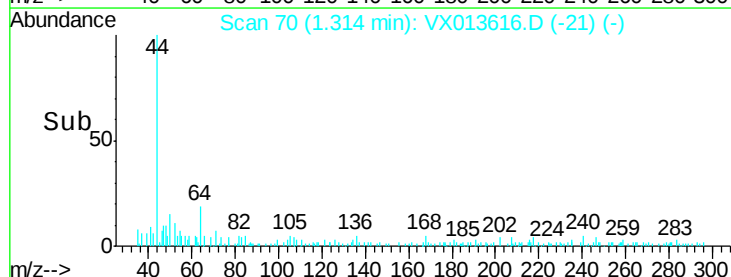
600

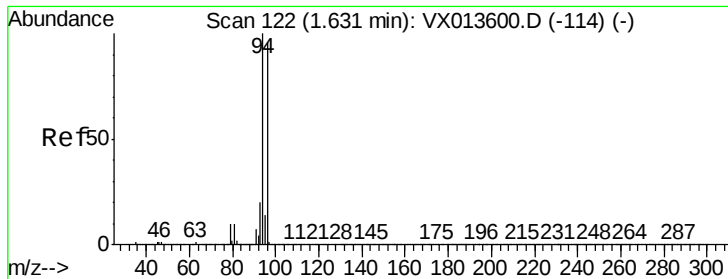
400

200

0

Time-->





#5

Bromomethane

Concen: 0.324 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

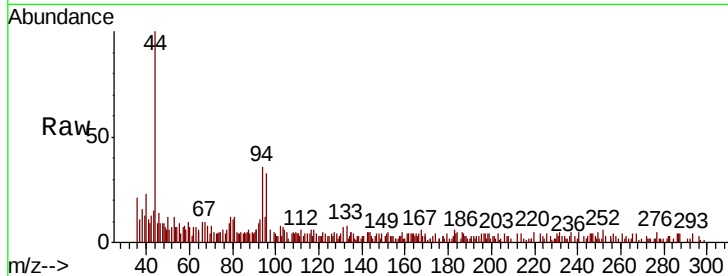
VX1126WBL02

Tot Ion: 94 Resp: 2096

Ion Ratio Lower Upper

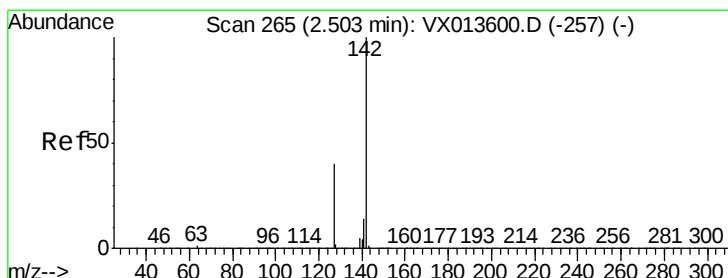
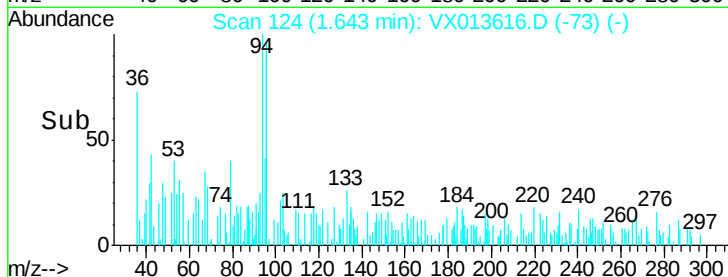
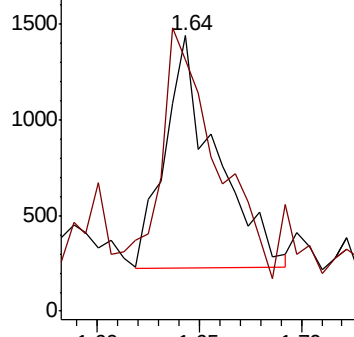
94 100

96 78.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.325 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

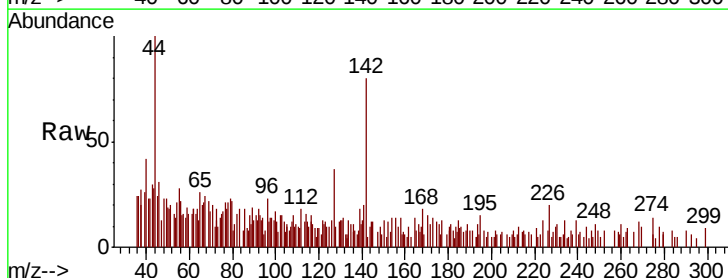
Tgt Ion: 142 Resp: 2572

Ion Ratio Lower Upper

142 100

127 35.9 31.0 46.4

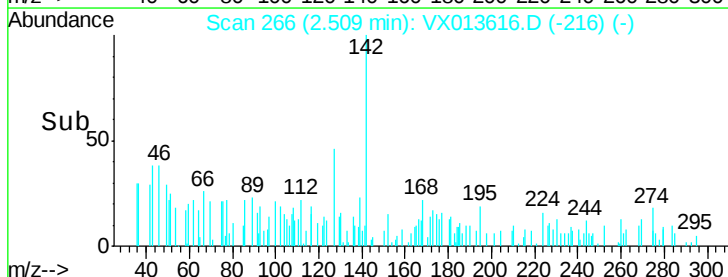
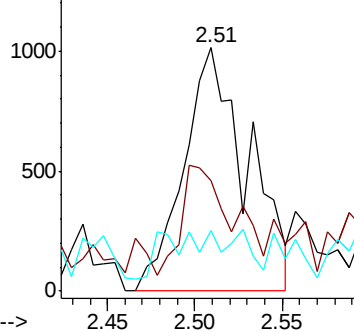
141 0.0 11.6 17.4#

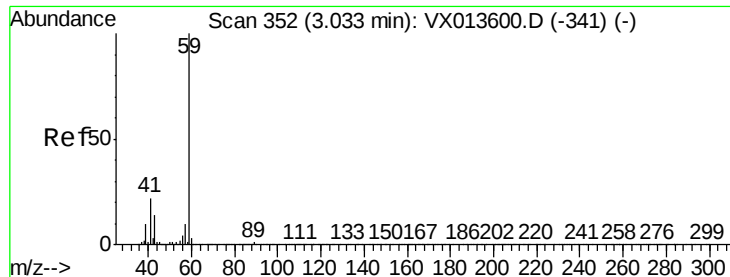


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



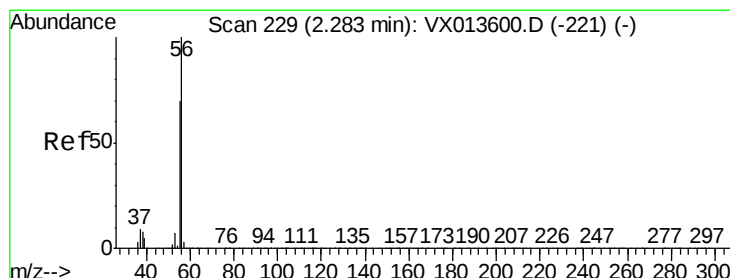
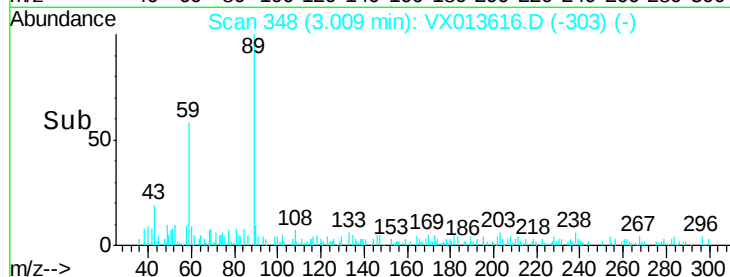
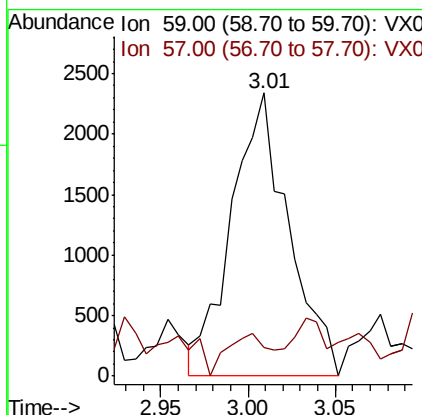
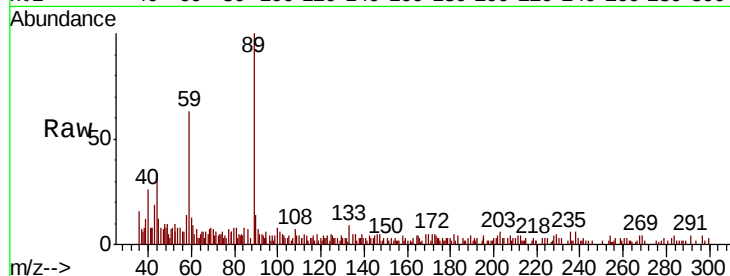


#11

Tert butyl alcohol
Concen: 2.719 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013616.D
Acq: 26 Nov 2019 22:49

Instrument :
MSVOA_X
ClientSampled :
VX1126WBL02

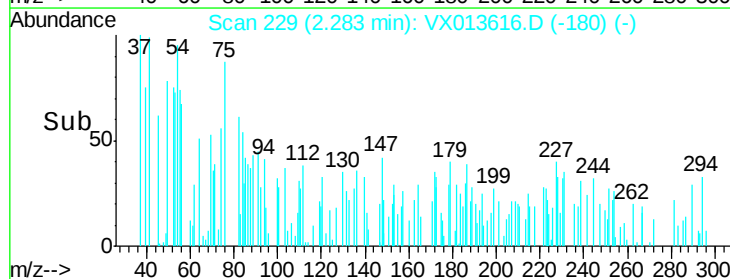
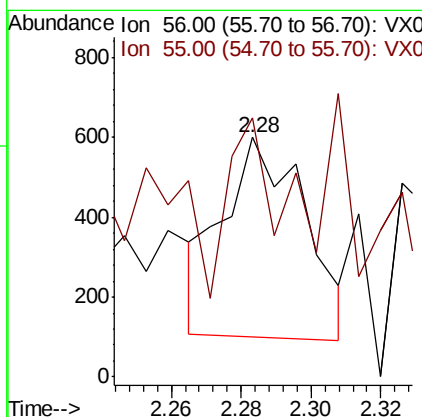
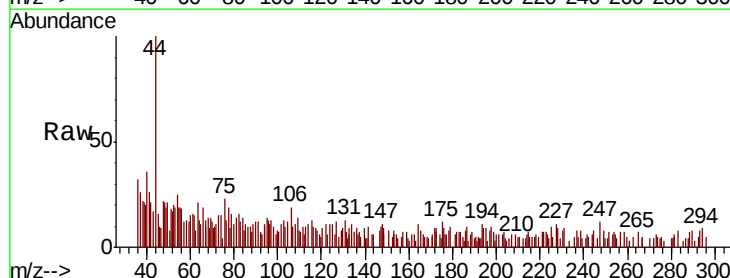
Tot Ion: 59 Resp: 5338
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.6

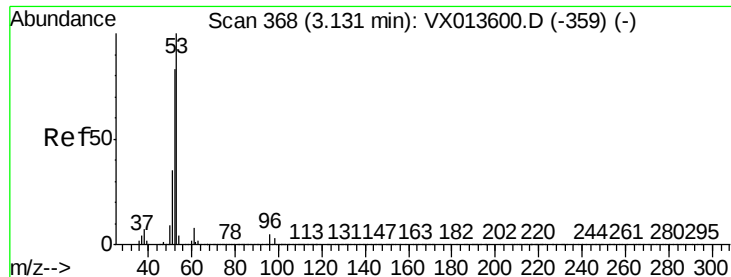


#13

Acrolein
Concen: 6.608 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013616.D
Acq: 26 Nov 2019 22:49

Tgt Ion: 56 Resp: 813
Ion Ratio Lower Upper
56 100
55 43.2 56.2 84.4#





#15

Acrylonitrile

Concen: 0.326 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampled :

VX1126WBL02

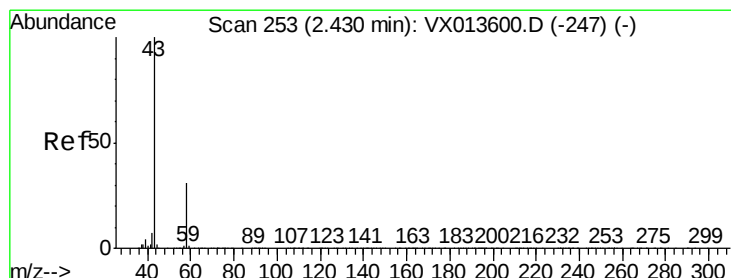
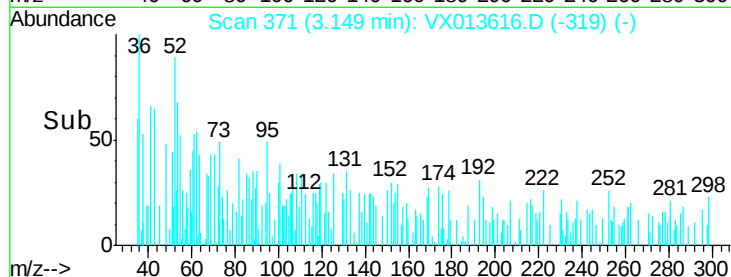
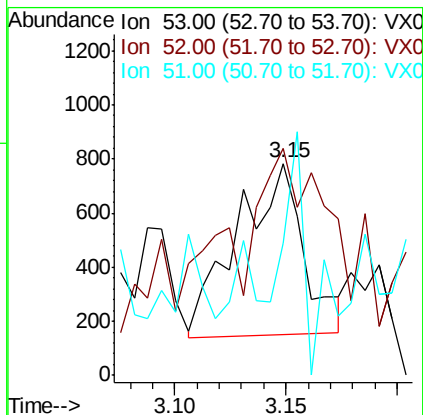
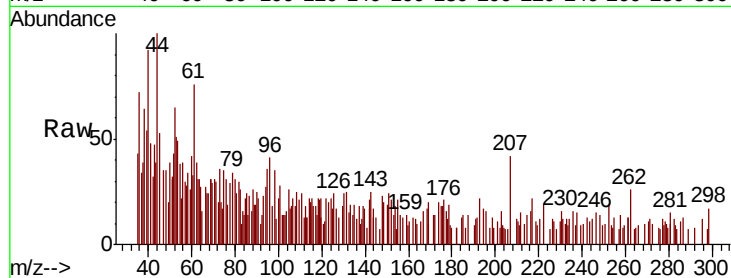
Tot Ion: 53 Resp: 1319

Ion Ratio Lower Upper

53 100

52 183.9 66.2 99.2#

51 27.1 29.0 43.6#



#16

Acetone

Concen: 1.287 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013616.D

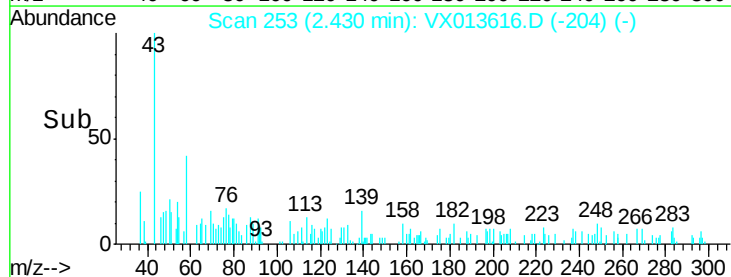
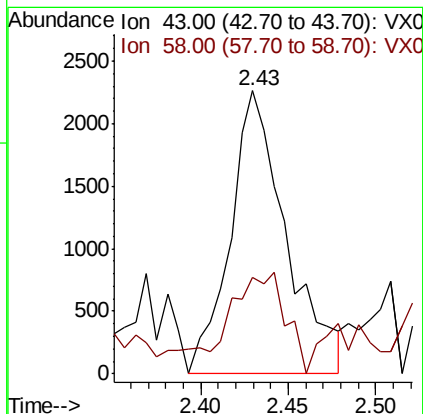
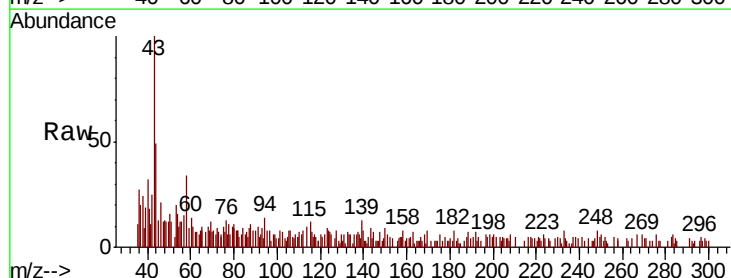
Acq: 26 Nov 2019 22:49

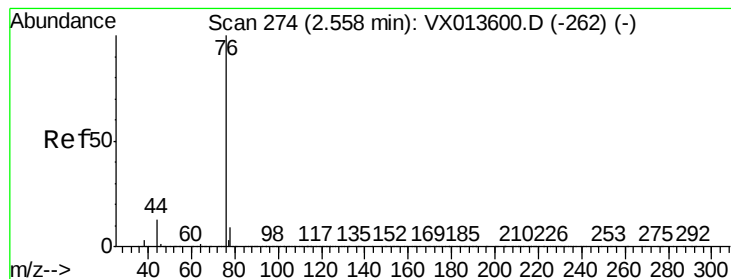
Tgt Ion: 43 Resp: 5055

Ion Ratio Lower Upper

43 100

58 25.3 24.6 36.8





#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

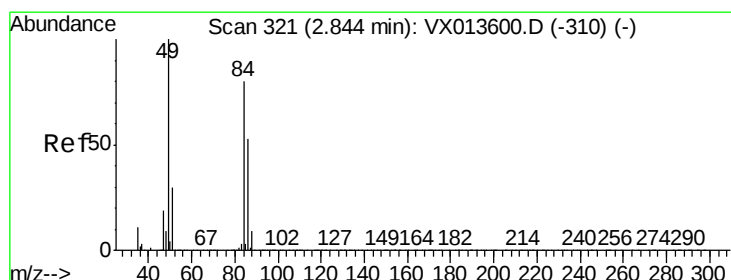
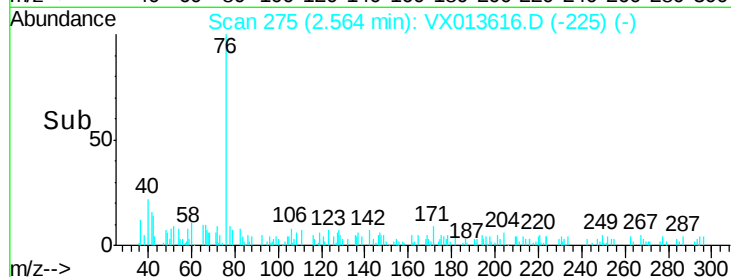
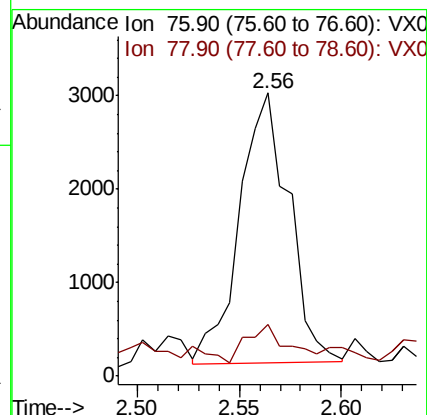
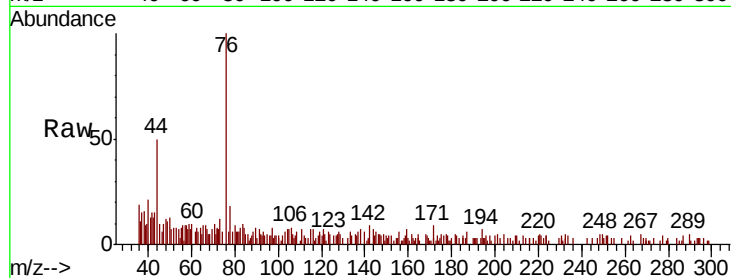
VX1126WBL02

Tot Ion: 76 Resp: 4853

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#20

Methylene Chloride

Concen: 0.412 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Tgt Ion: 84 Resp: 3111

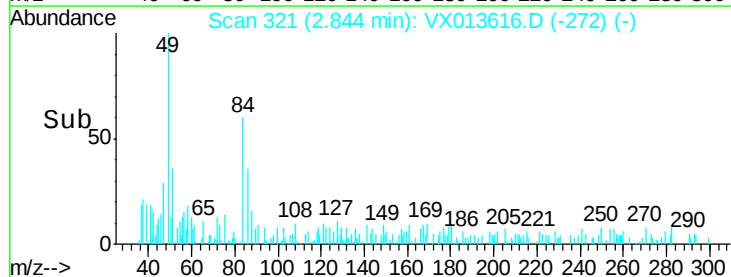
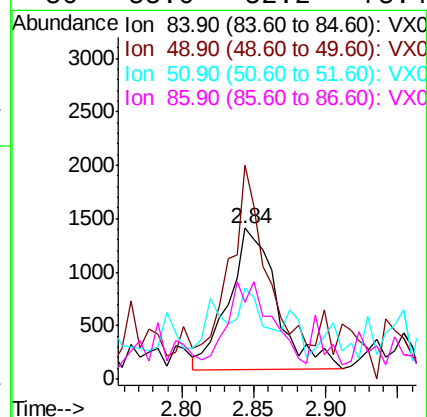
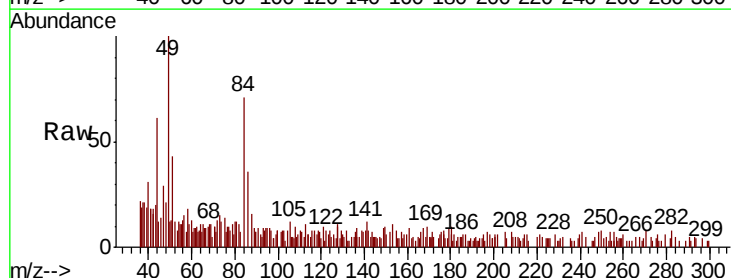
Ion Ratio Lower Upper

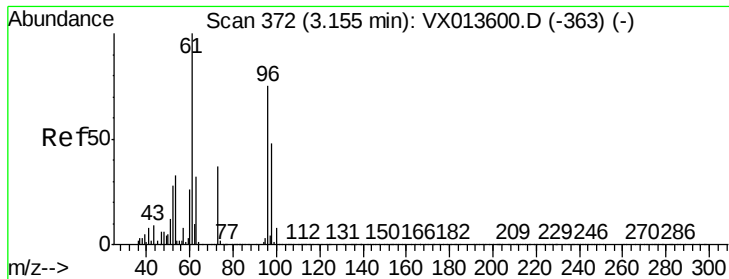
84 100

49 159.6 99.7 149.5#

51 32.8 29.9 44.9

86 55.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL02

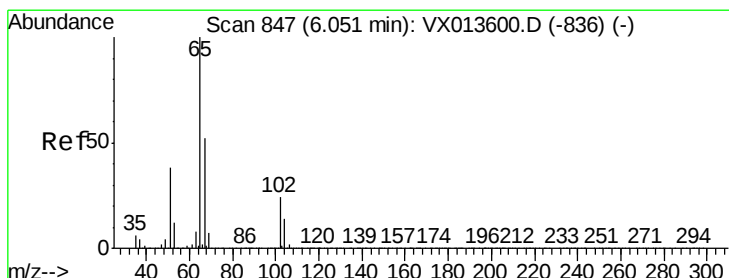
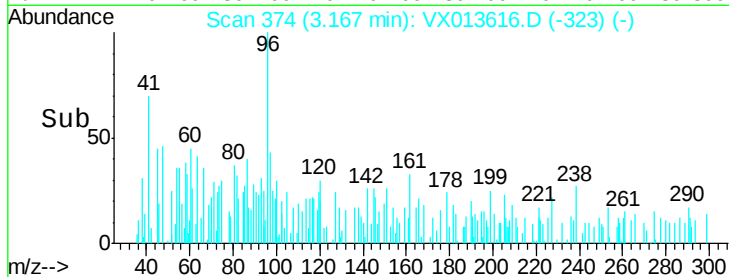
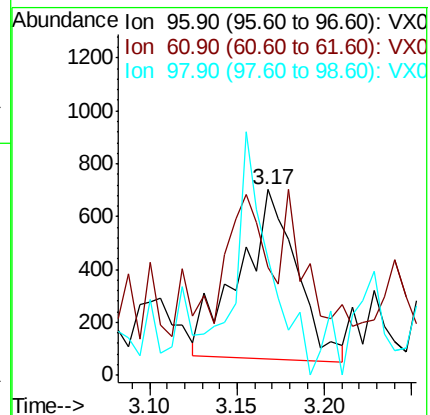
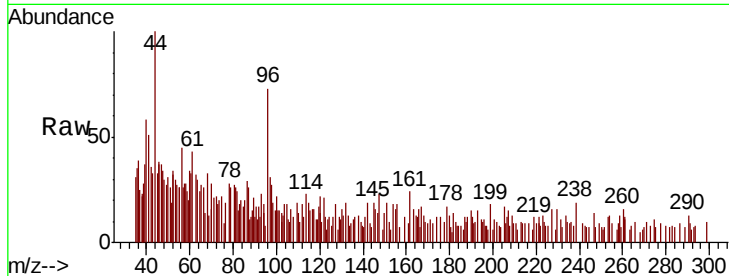
Tot Ion: 96 Resp: 1455

Ion Ratio Lower Upper

96 100

61 31.0 107.2 160.8#

98 58.7 51.4 77.0



#33

1,2-Dichloroethane-d4

Concen: 49.667 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013616.D

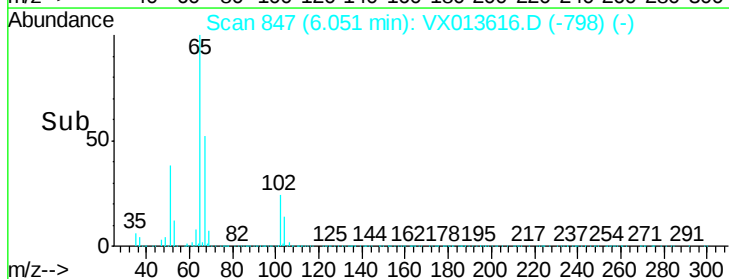
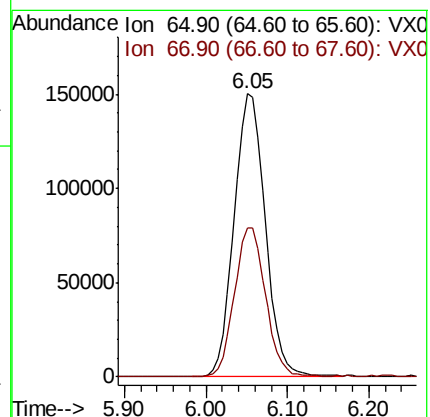
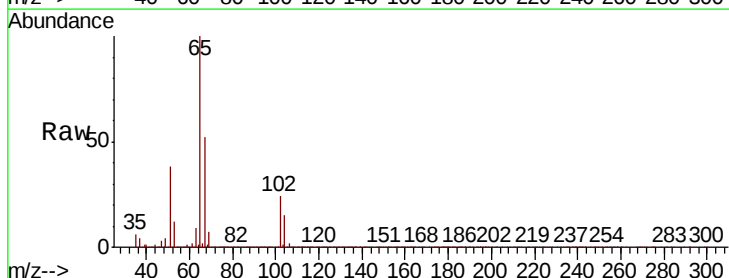
Acq: 26 Nov 2019 22:49

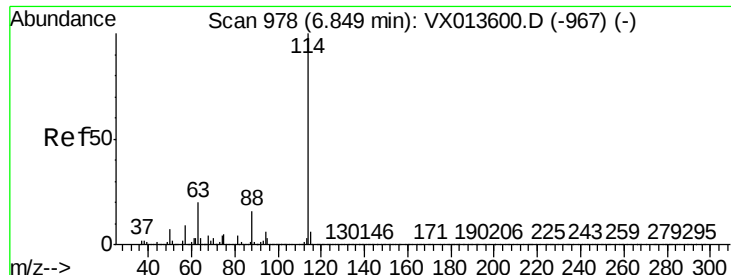
Tgt Ion: 65 Resp: 394999

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL02

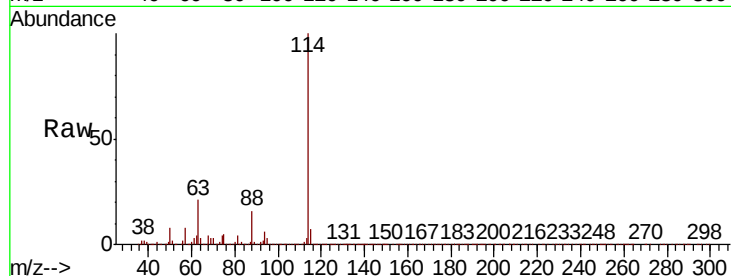
Tot Ion:114 Resp: 1093989

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.6

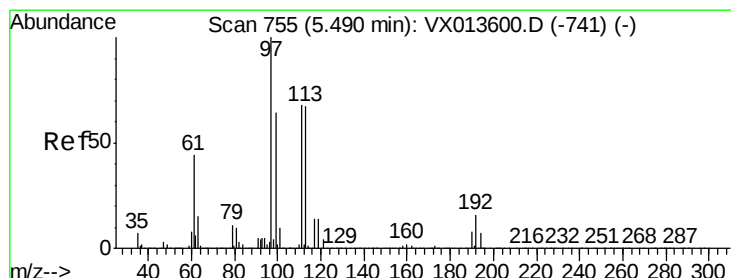
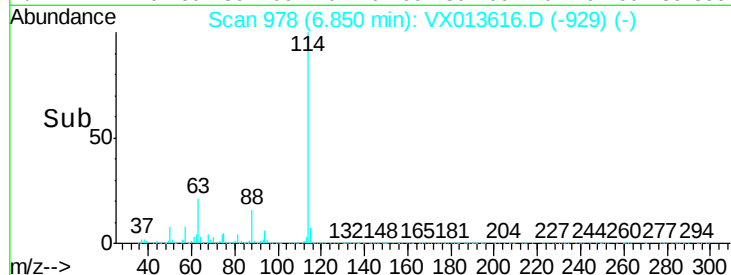
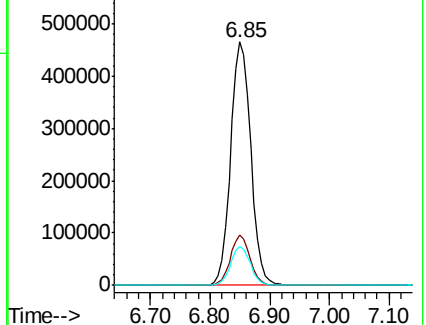
88 15.7 0.0 31.4



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: 48.220 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

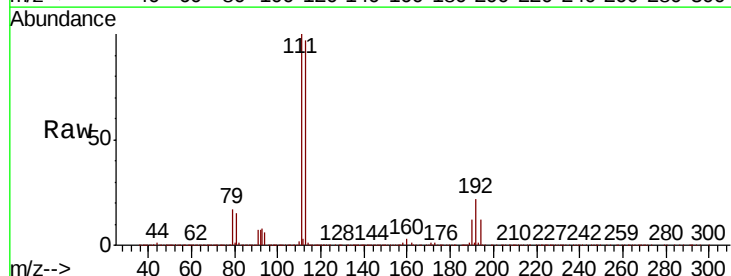
Tgt Ion:113 Resp: 326117

Ion Ratio Lower Upper

113 100

111 103.2 83.6 125.4

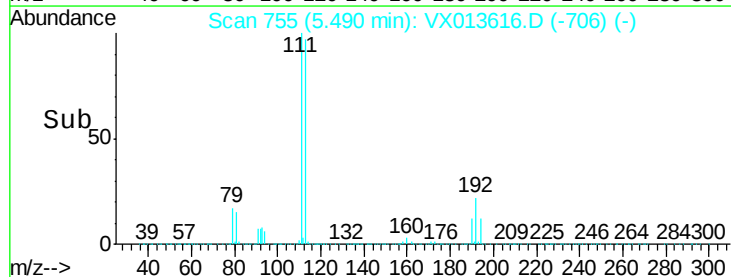
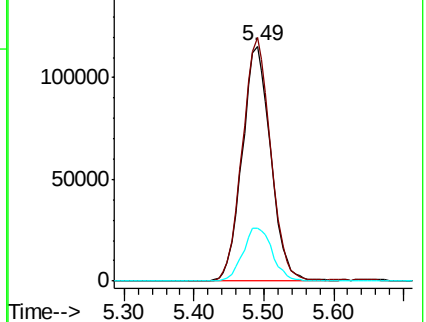
192 23.7 19.2 28.8

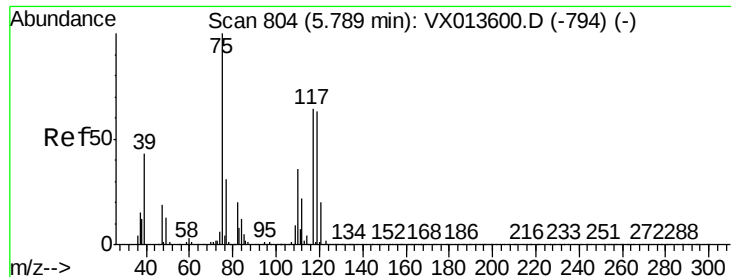


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

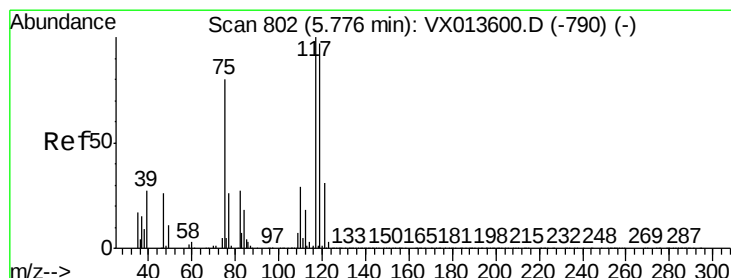
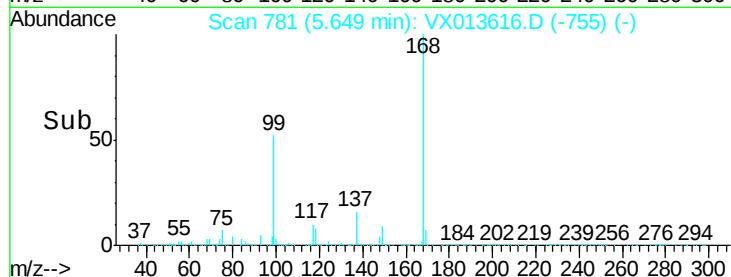
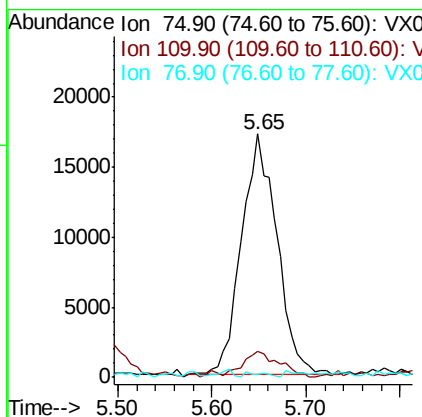
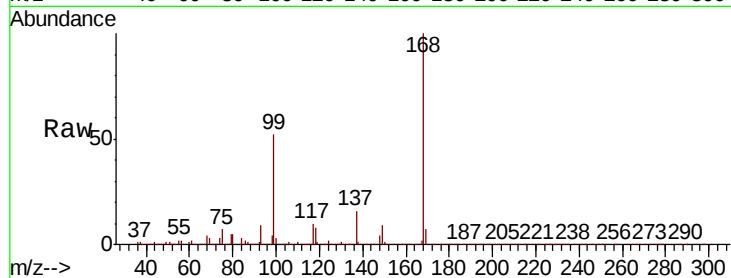




#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013616.D
 Acq: 26 Nov 2019 22:49

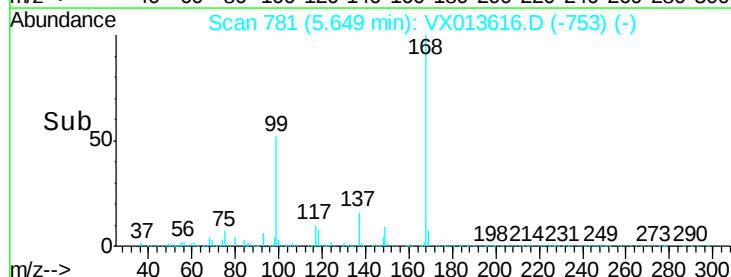
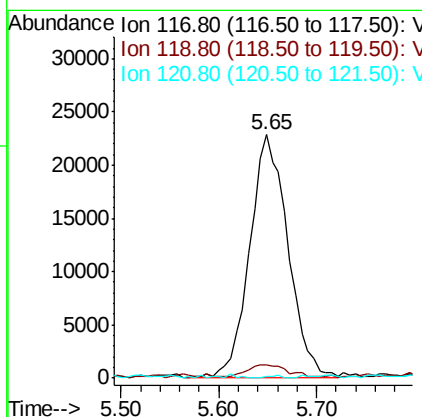
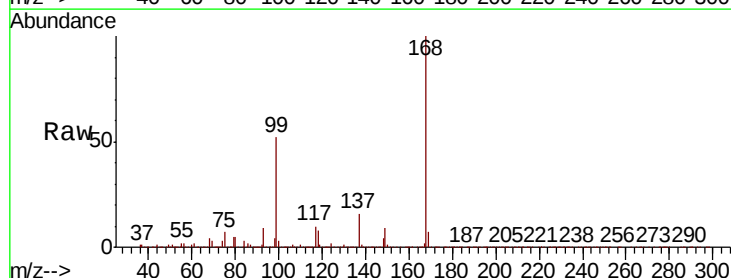
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBL02

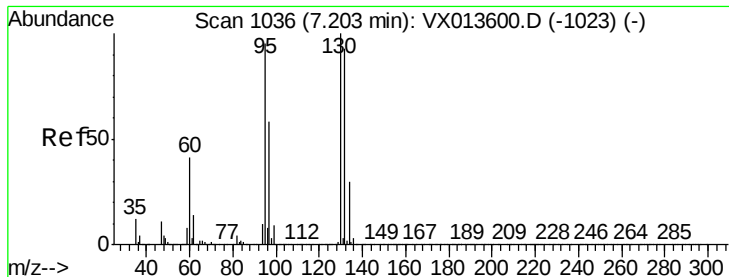
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.1	54.1#
77	0.7	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.822 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013616.D
 Acq: 26 Nov 2019 22:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.5	116.3#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 0.219 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampled :

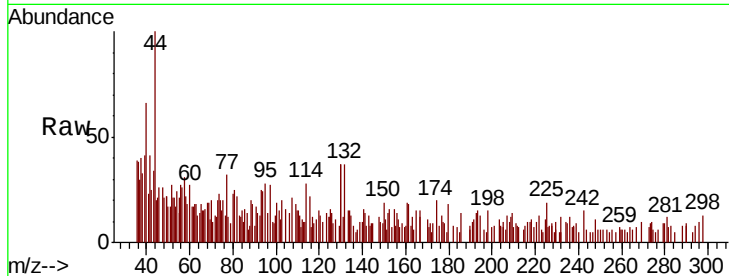
VX1126WBL02

Tot Ion:130 Resp: 1818

Ion Ratio Lower Upper

130 100

95 25.0 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

800

600

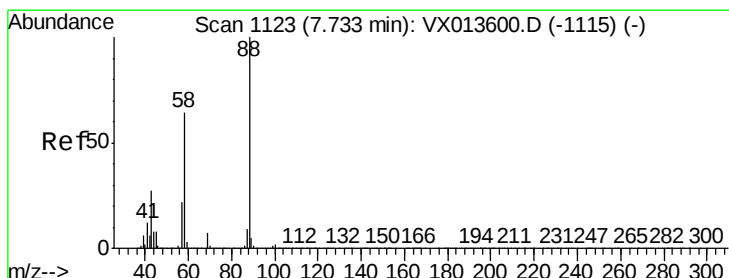
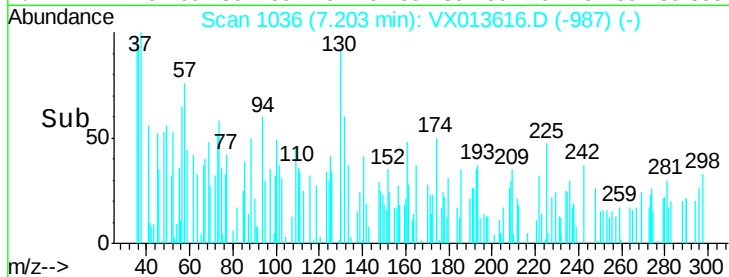
400

200

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 1.128 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

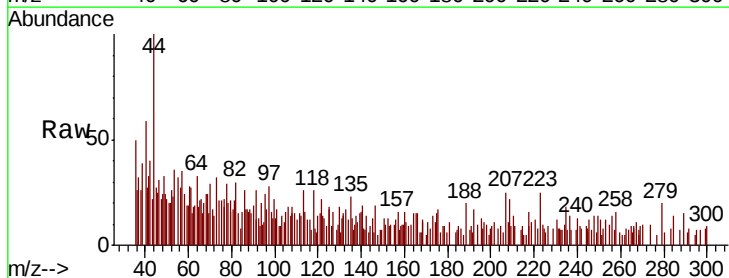
Tgt Ion: 88 Resp: 225

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 206.2 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600

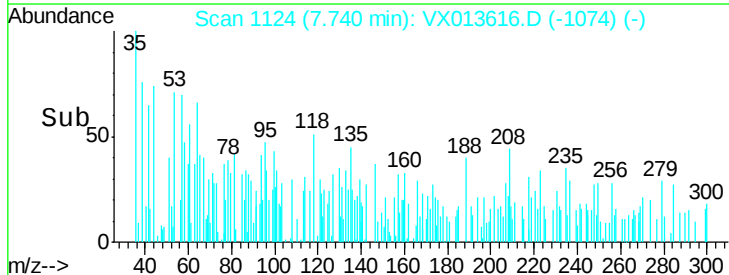
400

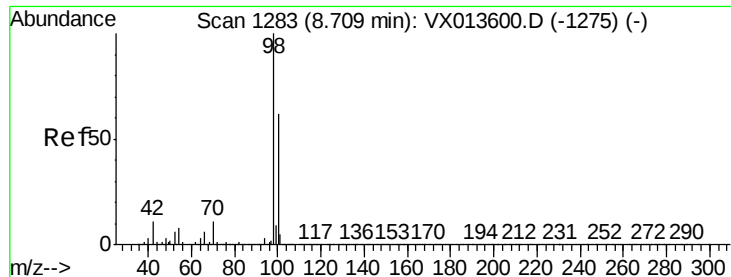
200

0

7.73 7.74 7.75 7.76

Time-->





#50

Toluene-d8

Concen: 49.700 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

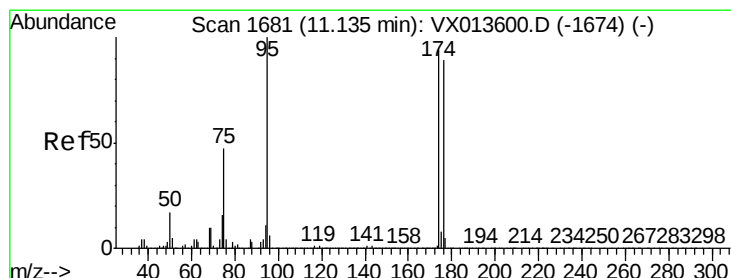
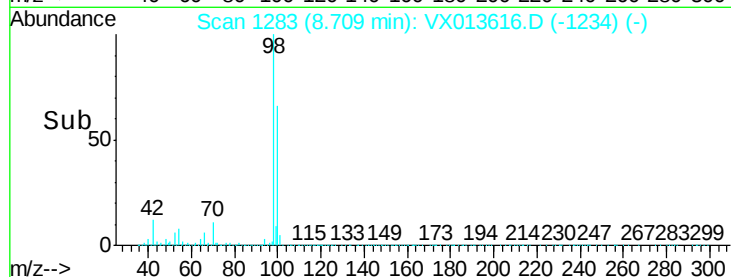
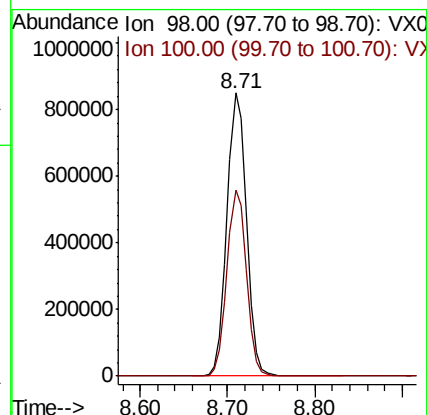
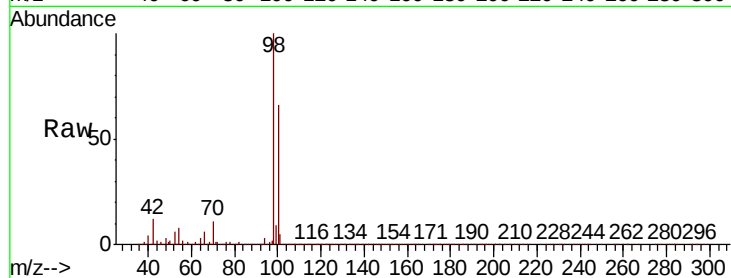
VX1126WBL02

Tot Ion: 98 Resp: 1309613

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.635 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

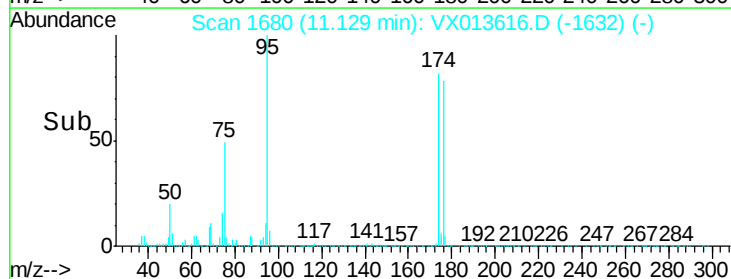
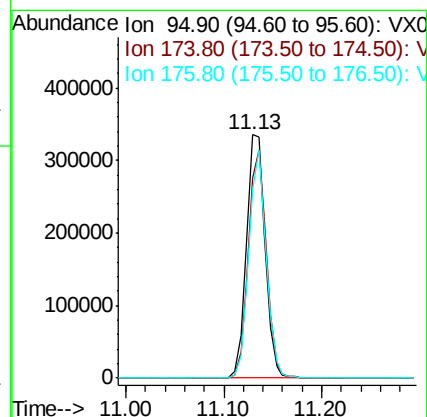
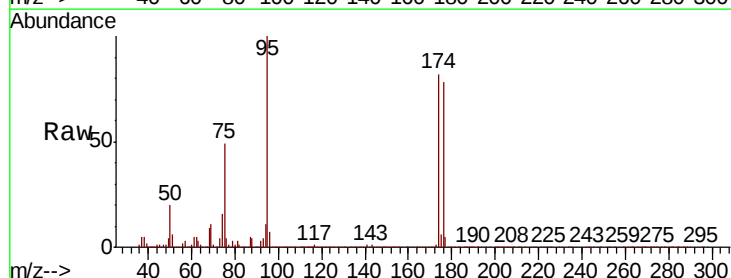
Tgt Ion: 95 Resp: 443119

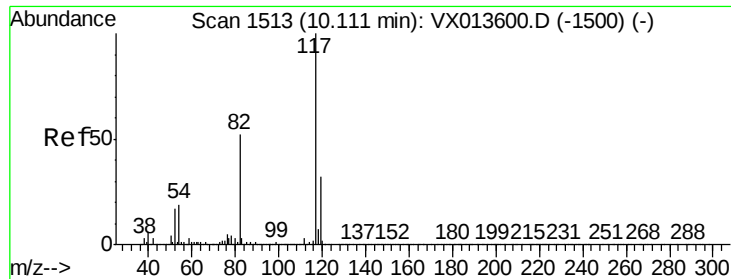
Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.0

176 87.7 0.0 173.6

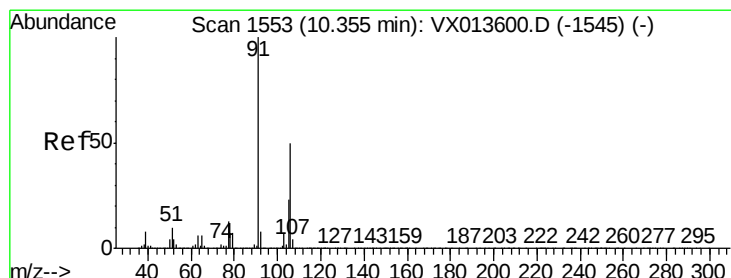
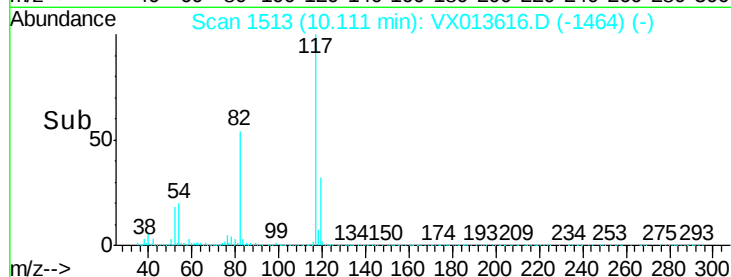
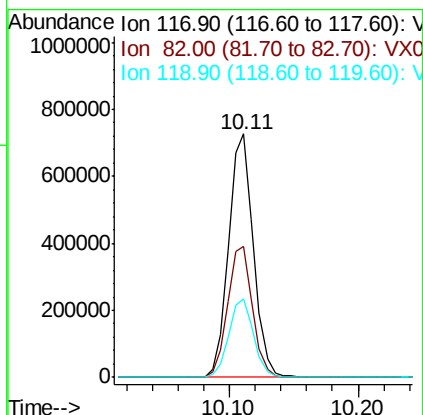
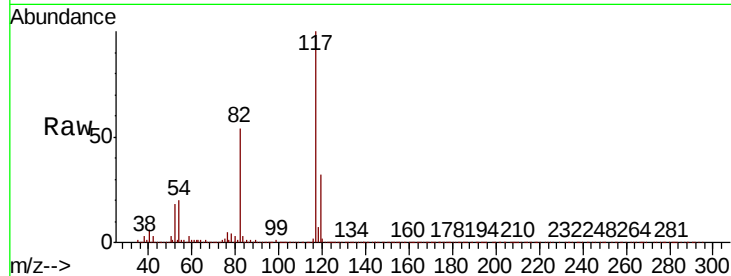




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013616.D
Acq: 26 Nov 2019 22:49

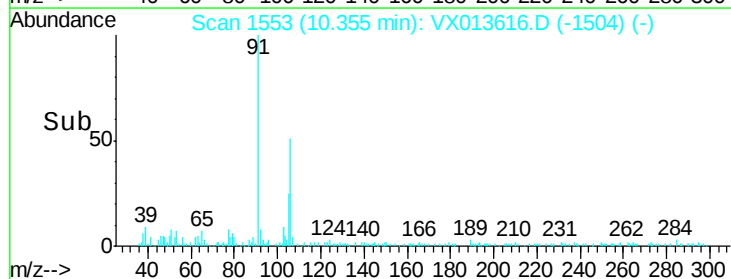
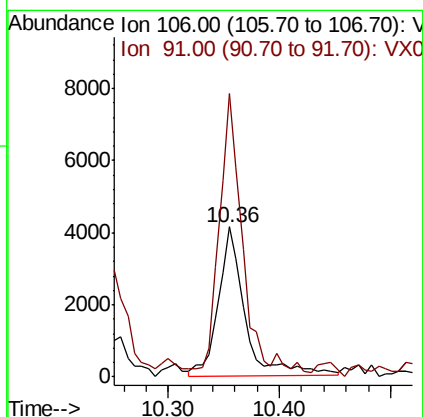
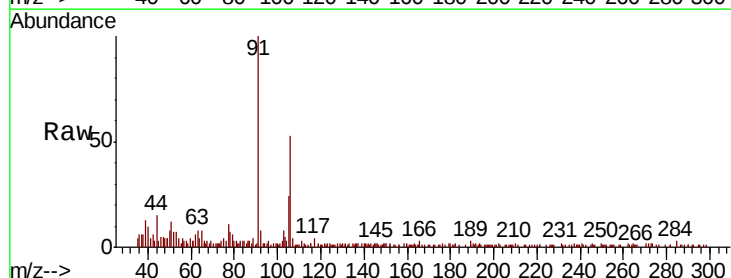
Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL02

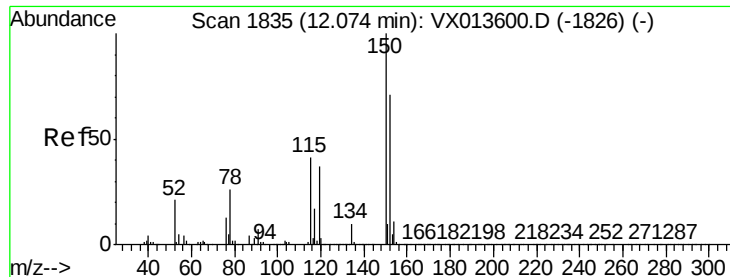
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.8	62.8
119	32.2	25.8	38.8



#68
m/p-Xylenes
Concen: 0.511 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013616.D
Acq: 26 Nov 2019 22:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	148.4	159.0	238.4#



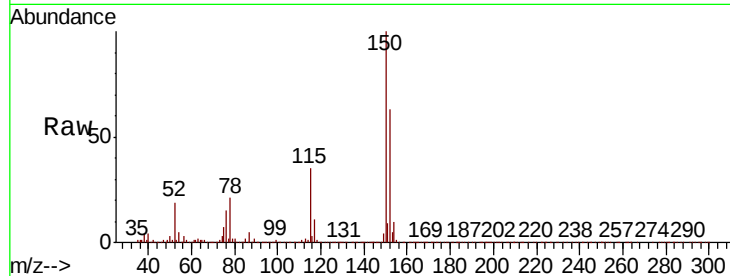


#72

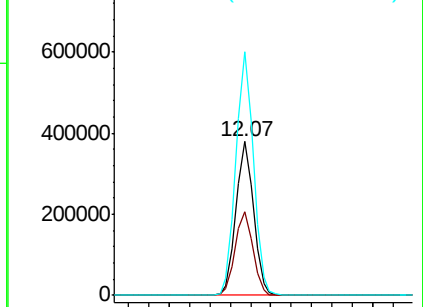
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013616.D
Acq: 26 Nov 2019 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL02

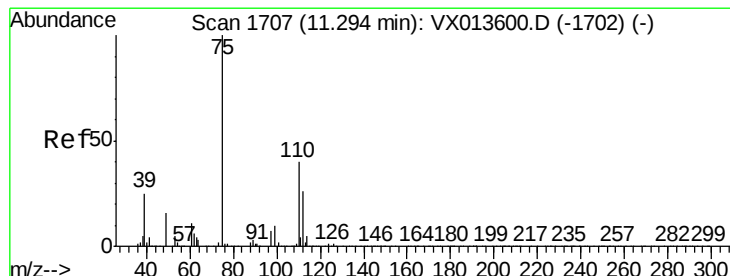
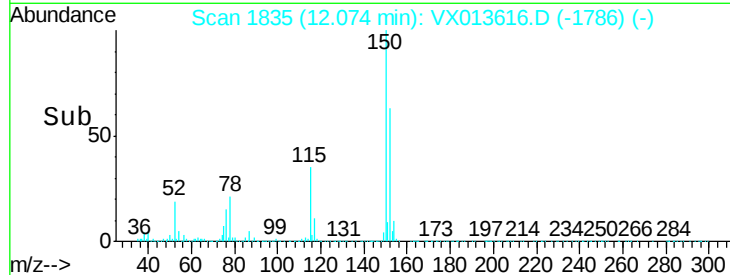
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.4	115.1
150	158.0	0.0	346.8



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



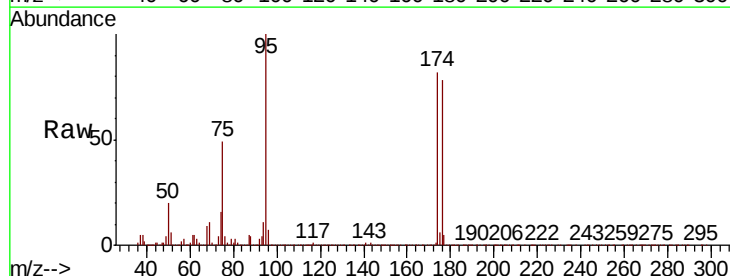
Time-->



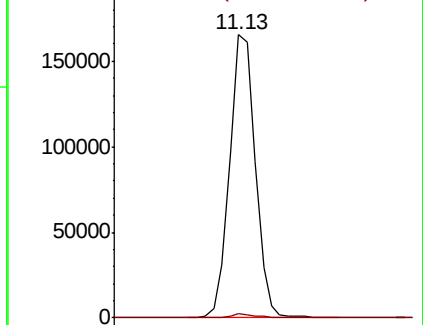
#76

1,2,3-Trichloropropane
Concen: 21.445 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013616.D
Acq: 26 Nov 2019 22:49

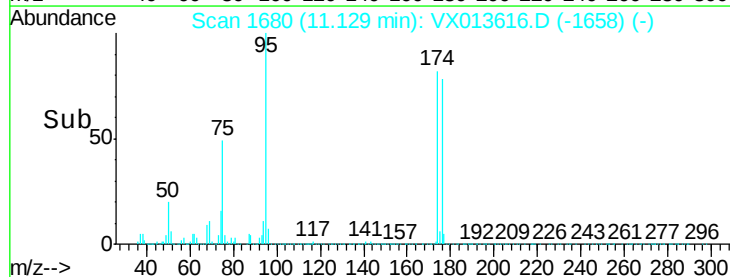
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.1	57.5#

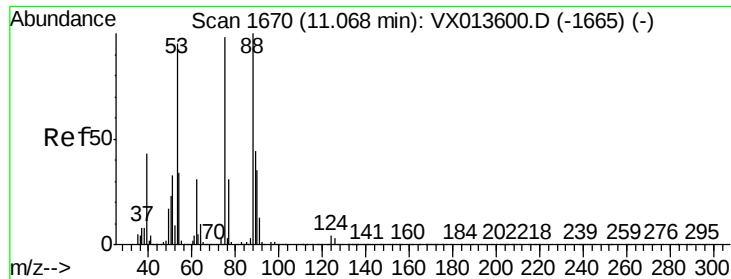


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 58.670 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL02

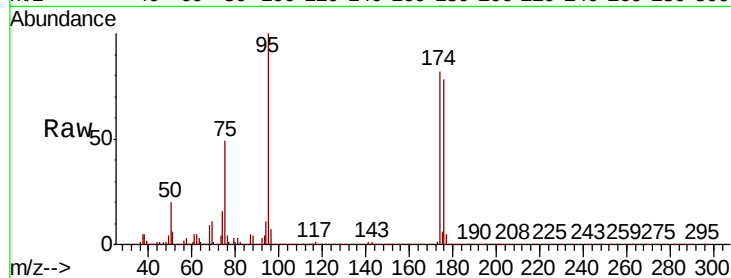
Tot Ion: 75 Resp: 217025

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.0 35.4 53.2#



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

