

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000149.D
 Acq On : 26 Sep 2019 13:31
 Operator : SY/MD
 Sample : VY0926SBL01
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 14:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

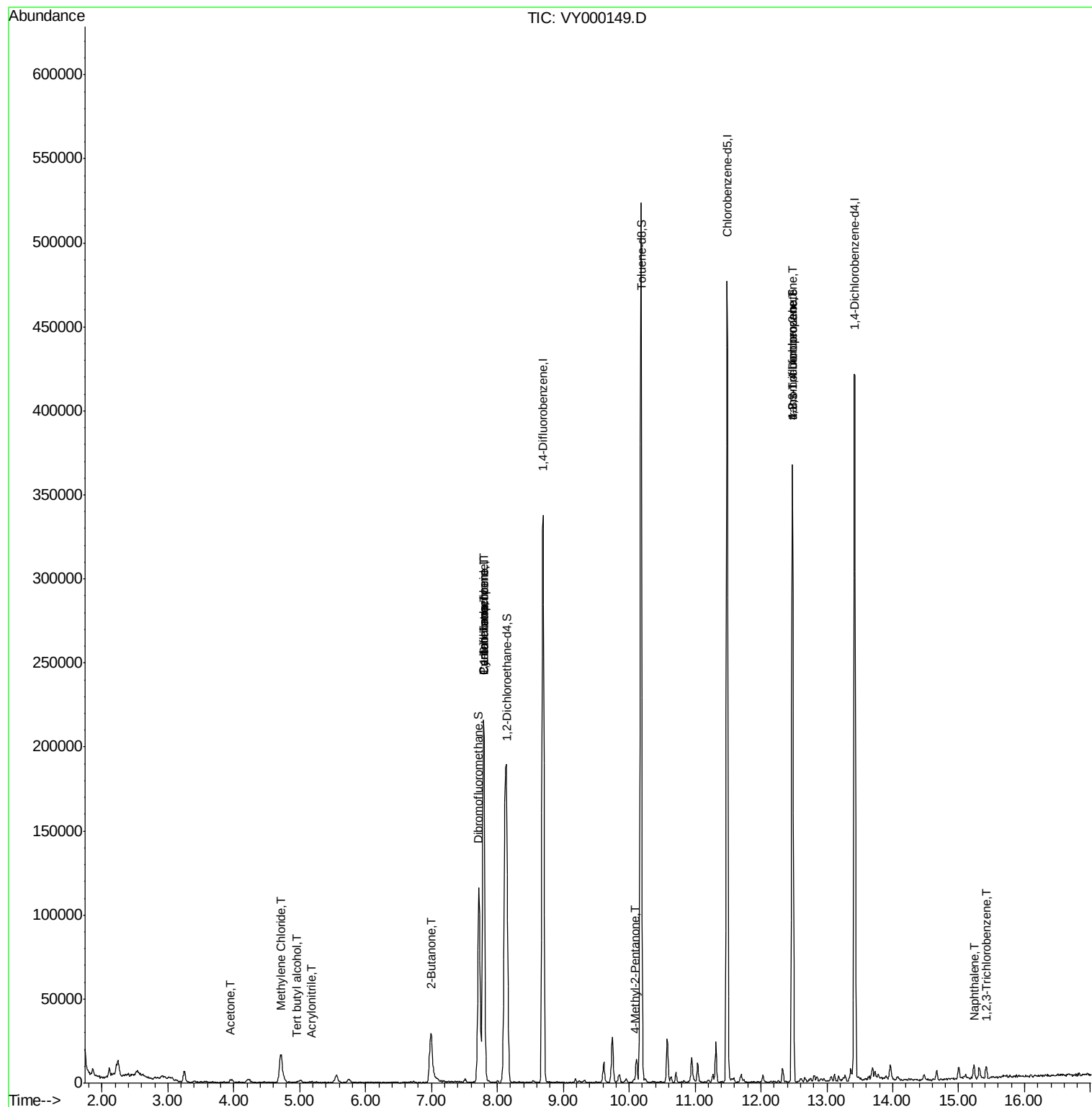
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	182505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	322379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	270460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	114692	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	84068	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.72	113	82729	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	10.18	98	360919	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.48	95	112730	43.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	216	Below Cal	#	39
3) Chloromethane	2.11	50	3108	Below Cal	#	69
11) Tert butyl alcohol	4.94	59	450	2.818	ug/l #	71
15) Acrylonitrile	5.17	53	586	1.179	ug/l #	35
16) Acetone	3.94	43	3205	7.905	ug/l #	80
20) Methylene Chloride	4.72	84	12722	1.666	ug/l #	79
25) 2-Butanone	6.99	43	1355	2.208	ug/l	96
31) Cyclohexane	7.79	56	4086	1.323	ug/l #	29
36) 1,1-Dichloropropene	7.79	75	12278	4.583	ug/l #	44
38) Carbon Tetrachloride	7.79	117	15831	6.053	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1379	1.016	ug/l	96
76) 1,2,3-Trichloropropane	12.48	75	53785	46.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	53785	92.858	ug/l #	18
95) Naphthalene	15.23	128	6391	1.149	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.42	180	2254	1.012	ug/l	94

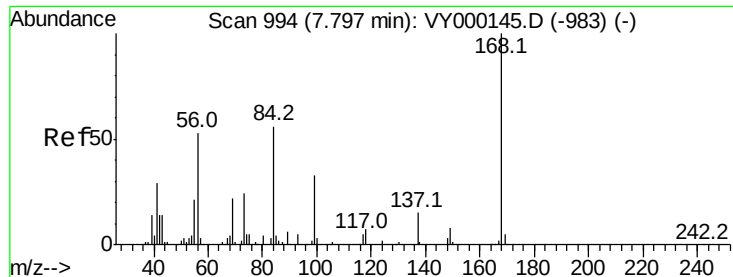
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

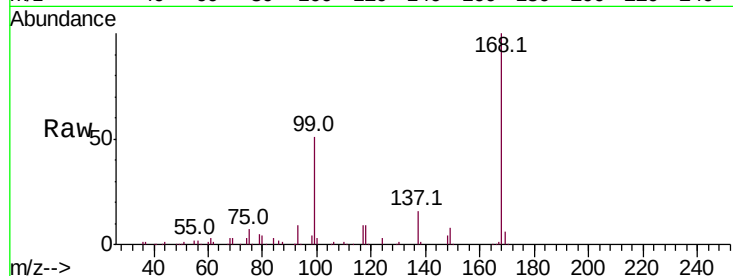
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 182505

Ion Ratio Lower Upper

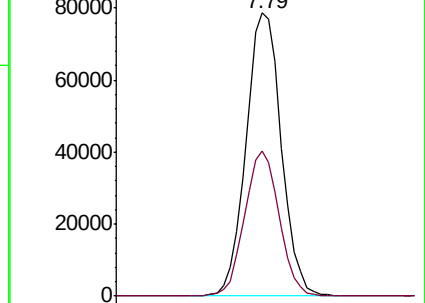
168 100

99 51.2 37.9 56.9

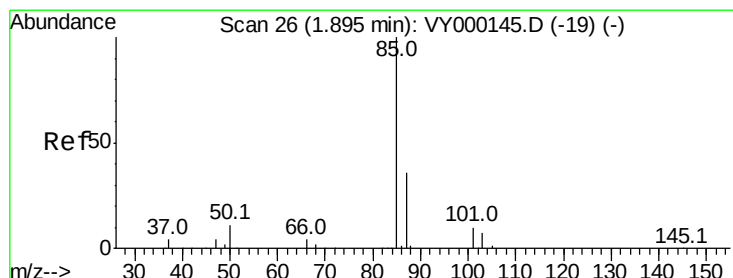
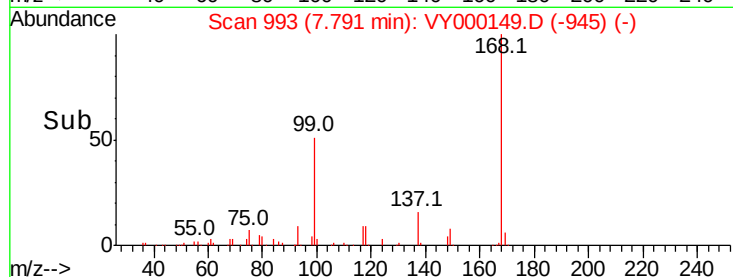


Abundance Ion 167.90 (167.60 to 168.60): VY000145.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000145.D (-983) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000149.D

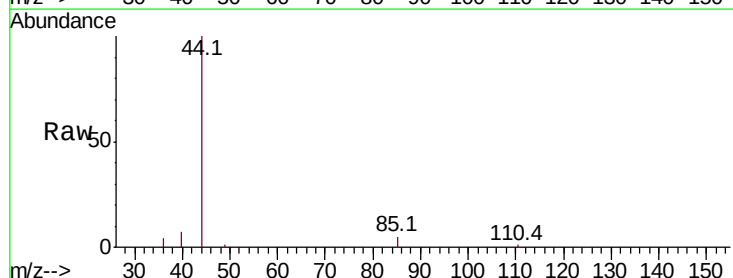
Acq: 26 Sep 2019 13:31

Tgt Ion: 85 Resp: 216

Ion Ratio Lower Upper

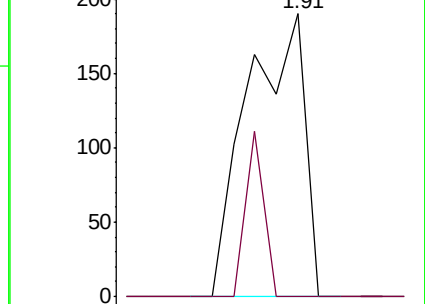
85 100

87 0.0 17.9 53.8#

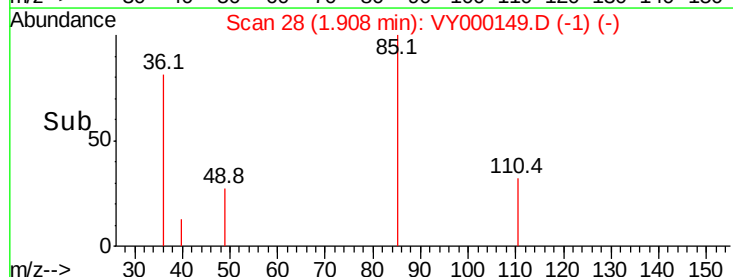


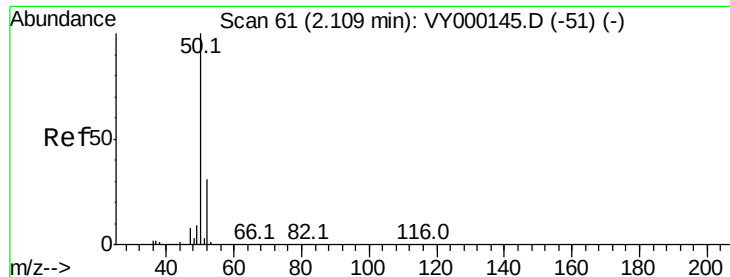
Abundance Ion 84.90 (84.60 to 85.60): VY000145.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY000145.D (-19) (-)



Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :

MSVOA_Y

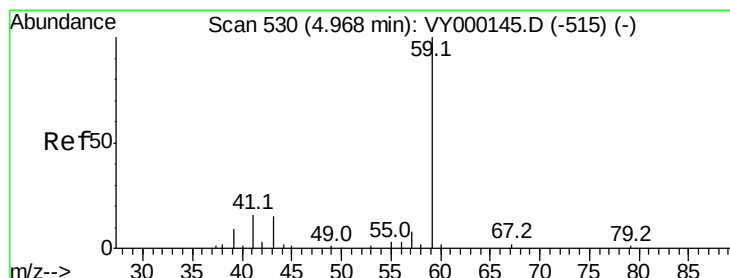
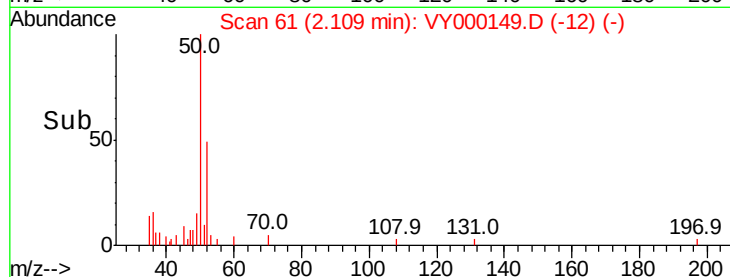
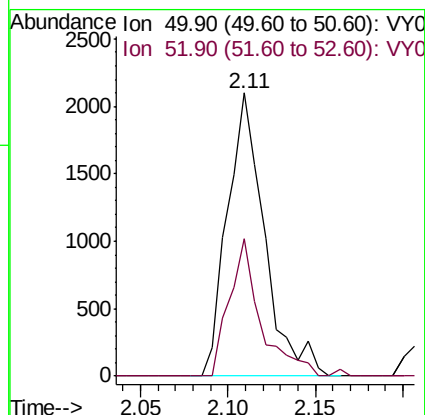
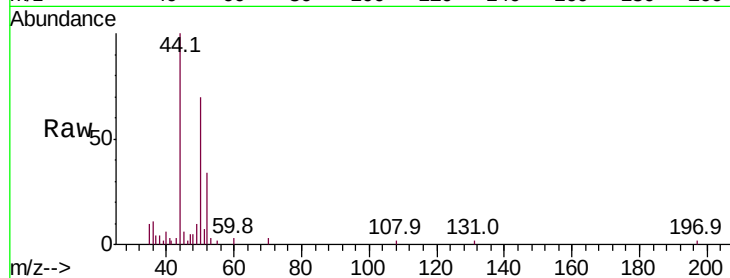
ClientSampleId :

Tot Ion: 50 Resp: 3108

Ion Ratio Lower Upper

50 100

52 48.6 25.0 37.6#



#11

Tert butyl alcohol

Concen: 2.818 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY000149.D

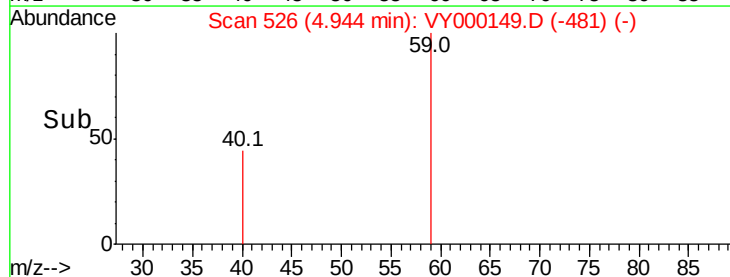
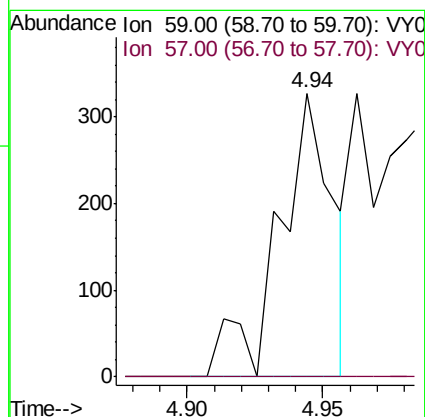
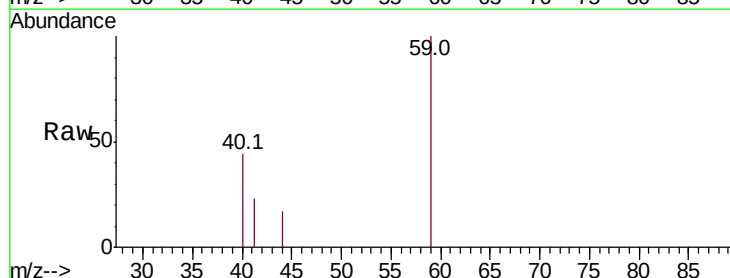
Acq: 26 Sep 2019 13:31

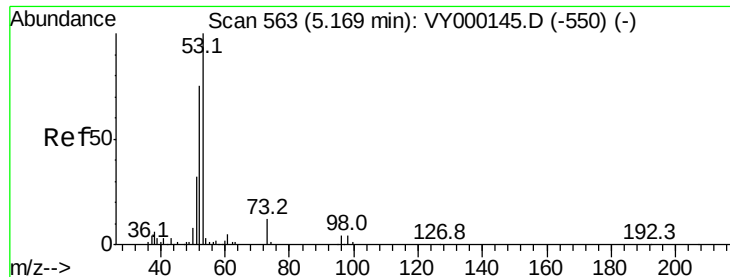
Tgt Ion: 59 Resp: 450

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#





#15

Acrylonitrile

Concen: 1.179 ug/l

RT: 5.17 min Scan# 563

Delta R.T. 0.00 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :
MSVOA_Y
ClientSampled :

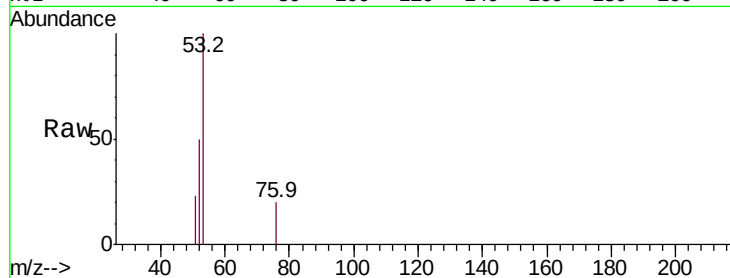
Tot Ion: 53 Resp: 586

Ion Ratio Lower Upper

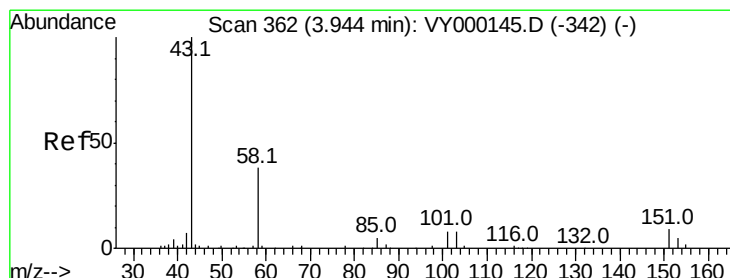
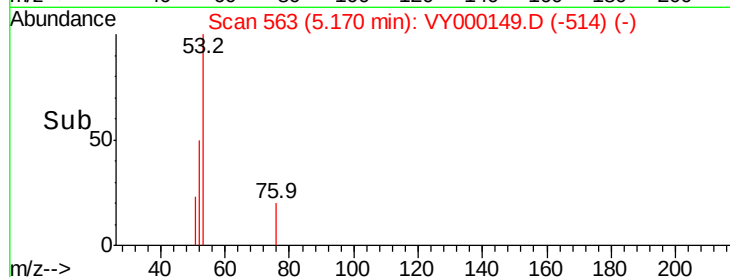
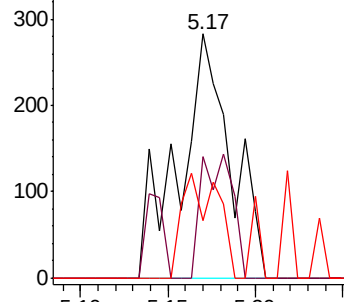
53 100

52 0.0 62.9 94.3#

51 29.4 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 7.905 ug/l

RT: 3.94 min Scan# 362

Delta R.T. 0.00 min

Lab File: VY000149.D

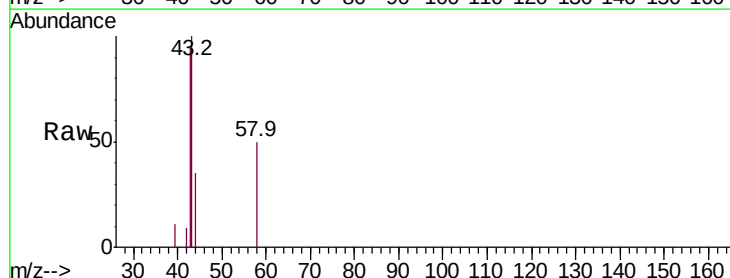
Acq: 26 Sep 2019 13:31

Tgt Ion: 43 Resp: 3205

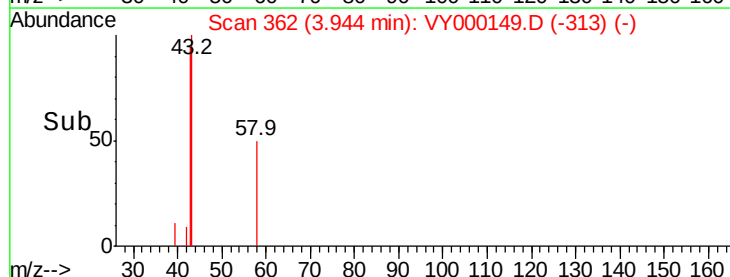
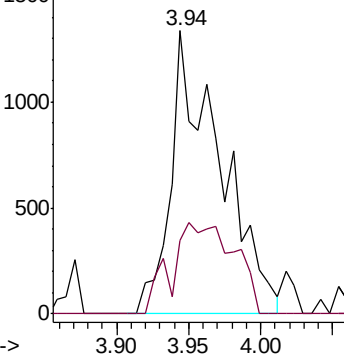
Ion Ratio Lower Upper

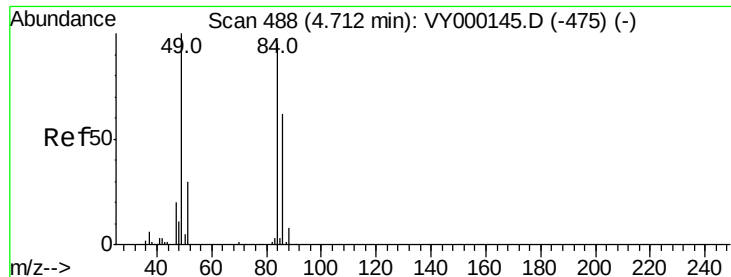
43 100

58 26.0 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

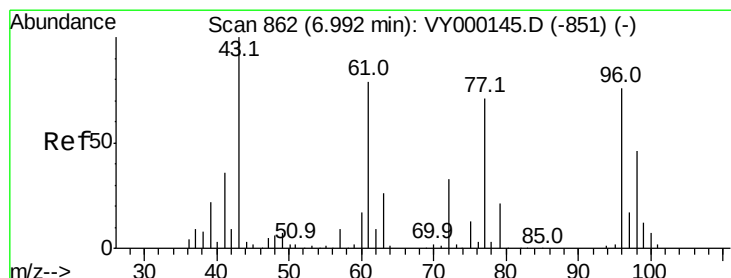
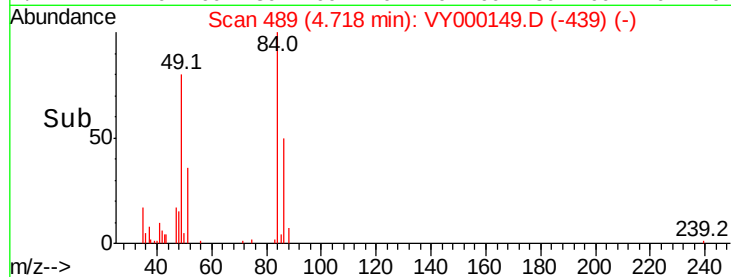
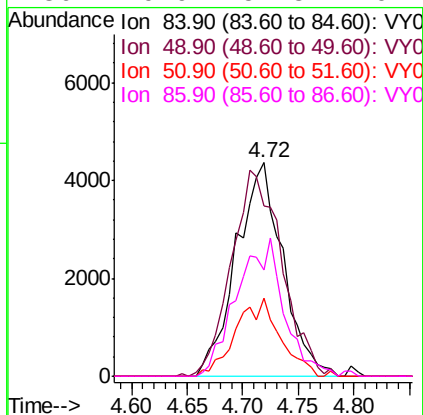
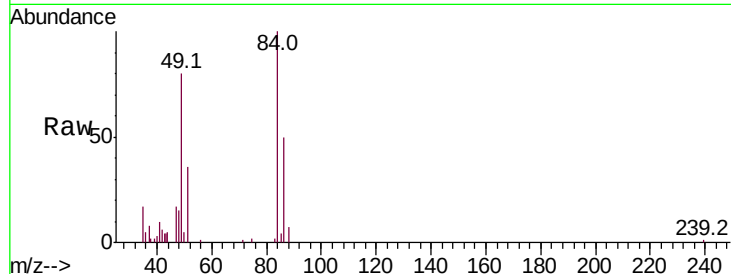




#20
Methylene Chloride
Concen: 1.666 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.01 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

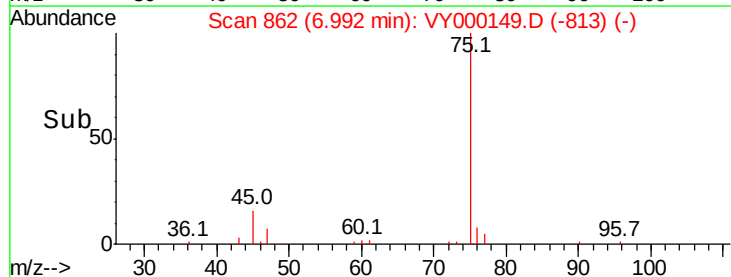
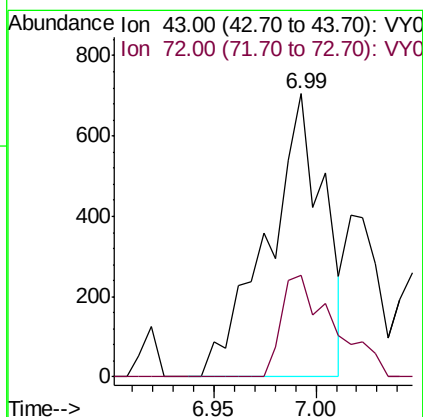
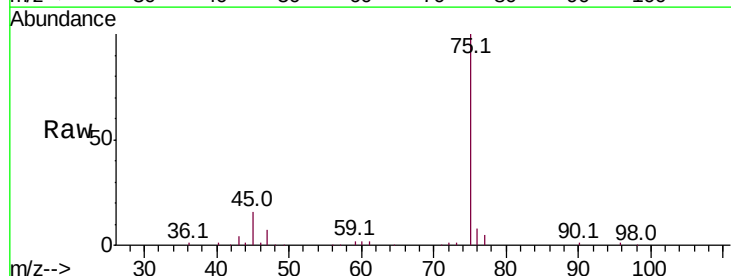
Instrument :
MSVOA_Y
ClientSampleId :

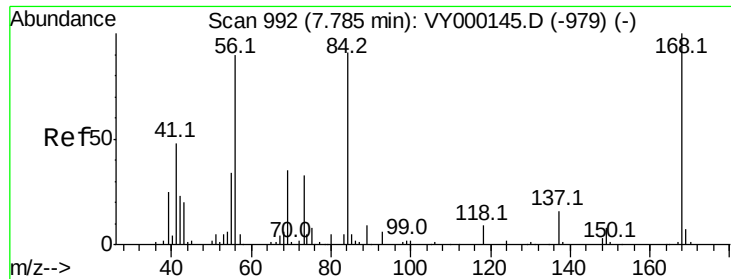
Tot Ion: 84 Resp: 12722
Ion Ratio Lower Upper
84 100
49 79.5 84.6 126.8#
51 36.4 25.4 38.2
86 49.9 52.8 79.2#



#25
2-Butanone
Concen: 2.208 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
72 36.0 26.8 40.2

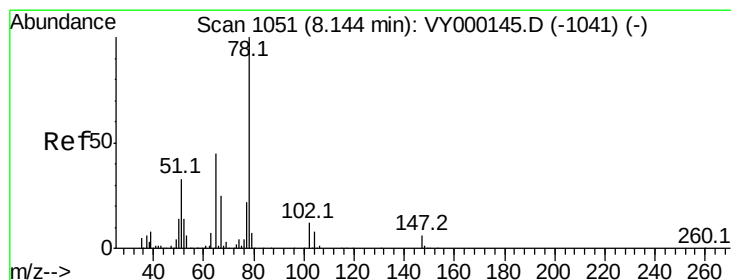
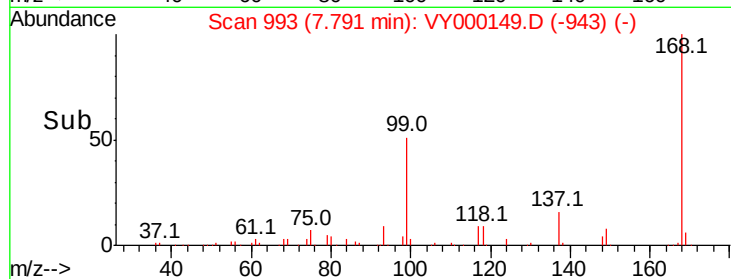
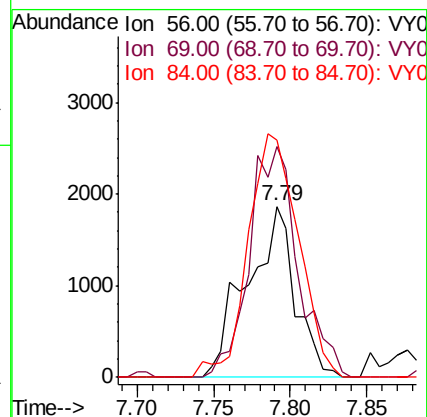
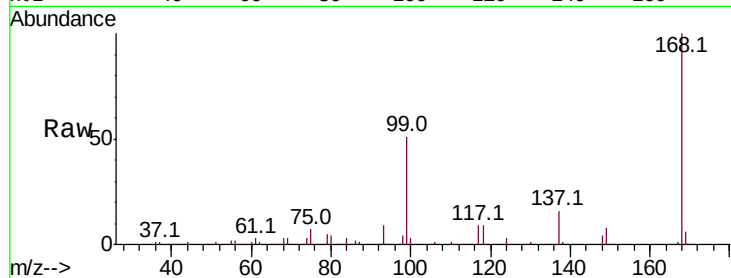




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

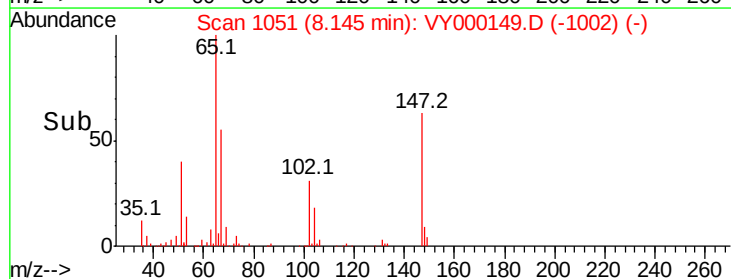
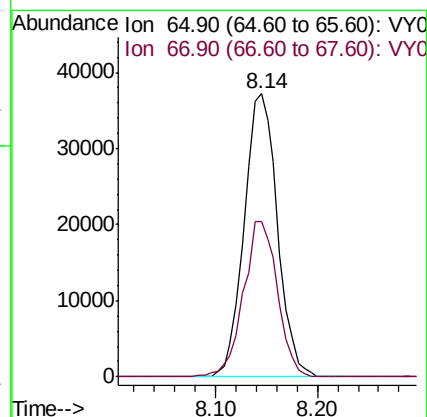
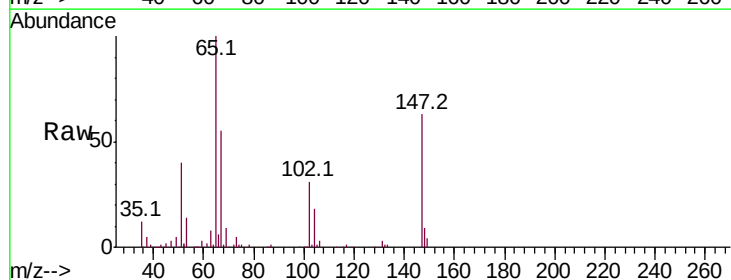
Instrument :
MSVOA_Y
ClientSampleId :

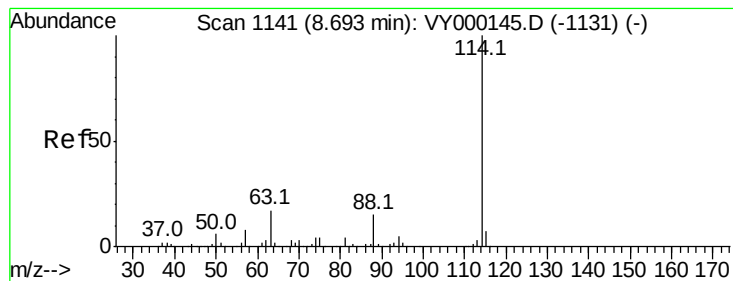
Tot Ion: 56 Resp: 4086
Ion Ratio Lower Upper
56 100
69 134.5 31.1 46.7#
84 138.4 80.5 120.7#



#33
1,2-Dichloroethane-d4
Concen: 52.598 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

Tgt Ion: 65 Resp: 84068
Ion Ratio Lower Upper
65 100
67 56.4 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :
MSVOA_Y
ClientSampleId :

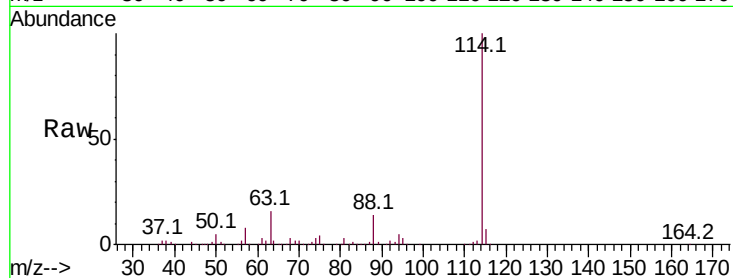
Tot Ion:114 Resp: 322379

Ion Ratio Lower Upper

114 100

63 15.8 0.0 34.6

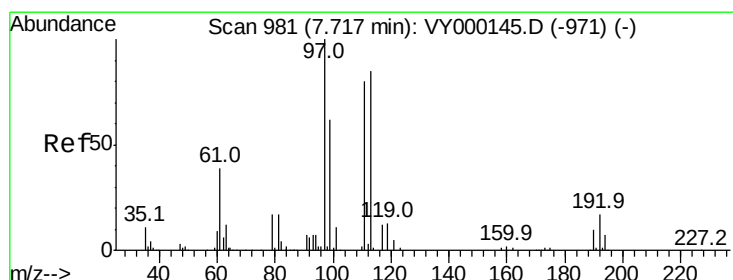
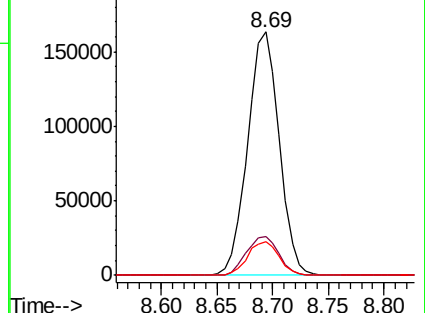
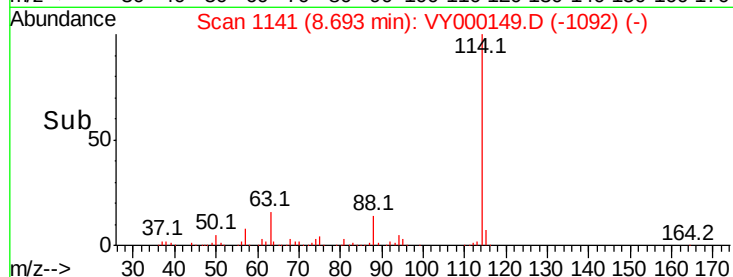
88 14.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 49.002 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.00 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

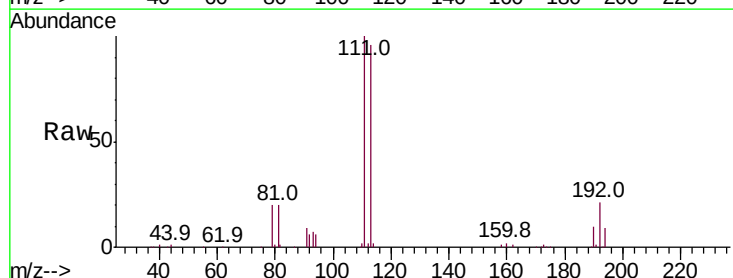
Tgt Ion:113 Resp: 82729

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

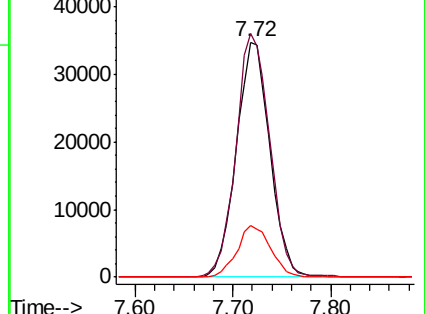
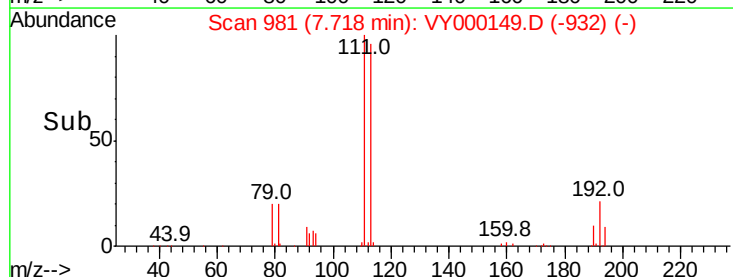
192 22.2 17.3 25.9

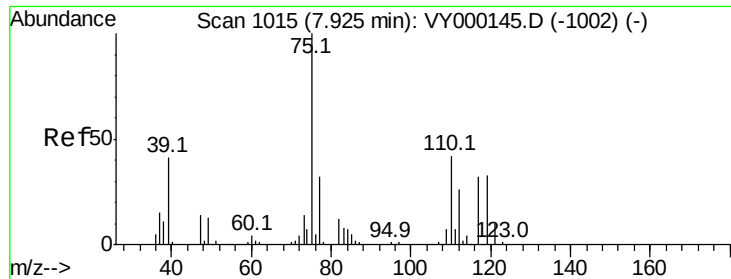


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.583 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :

MSVOA_Y

ClientSampleId :

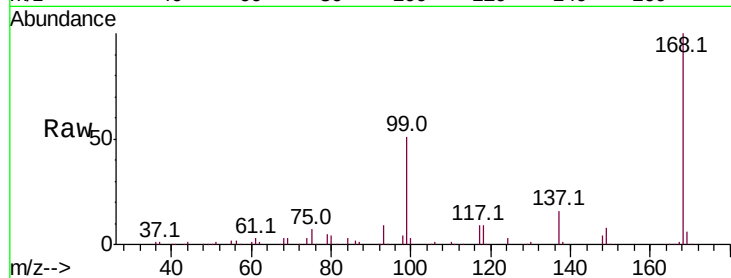
Tot Ion: 75 Resp: 12278

Ion Ratio Lower Upper

75 100

110 7.0 21.1 63.1#

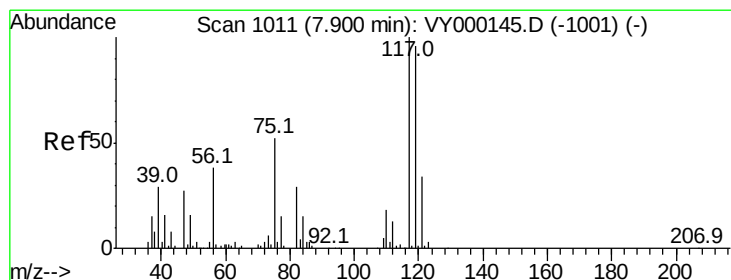
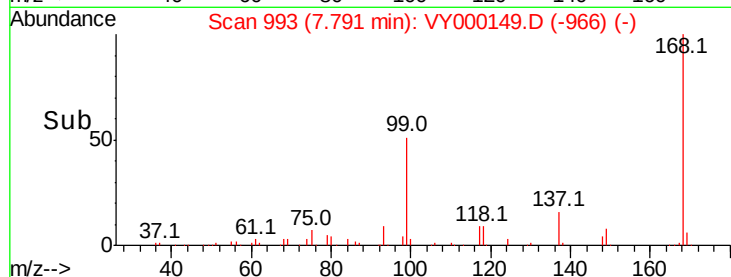
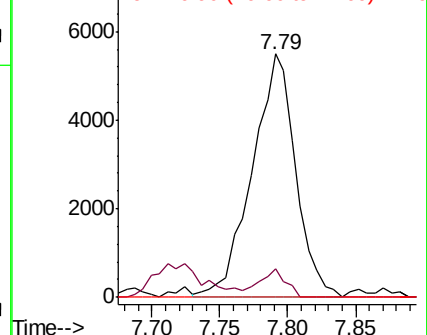
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.11 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

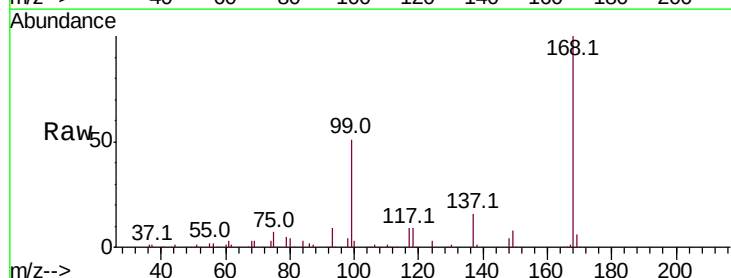
Tgt Ion: 117 Resp: 15831

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

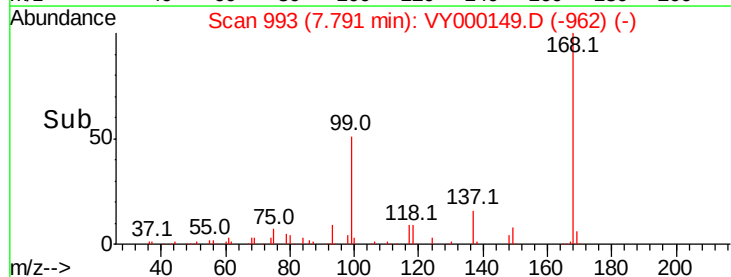
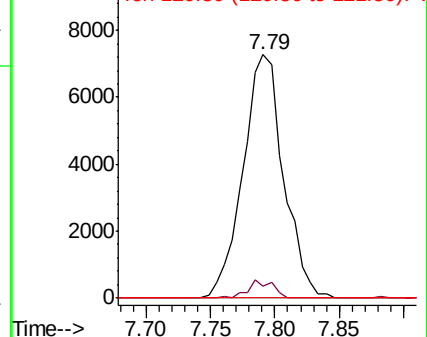
121 0.0 27.4 41.0#

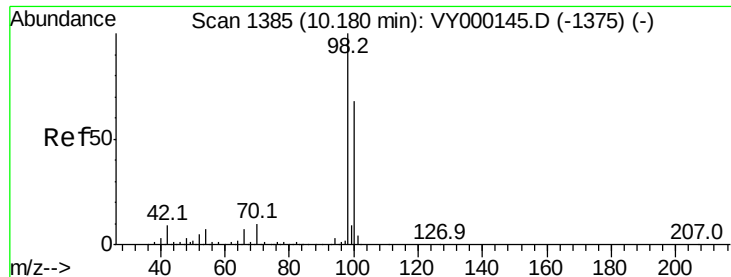


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.519 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :

MSVOA_Y

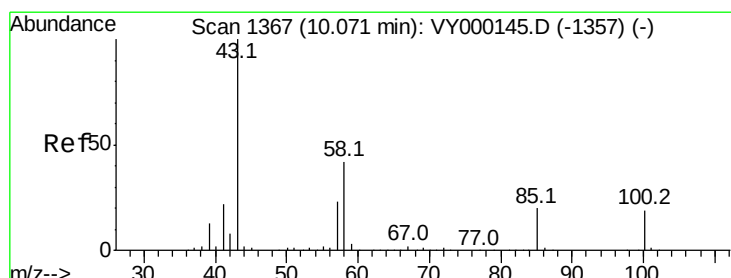
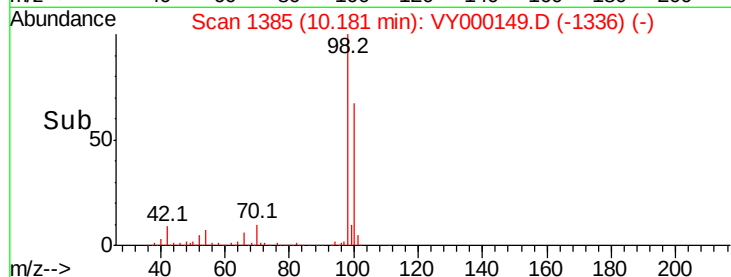
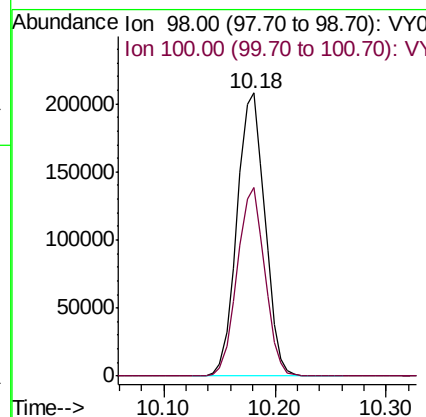
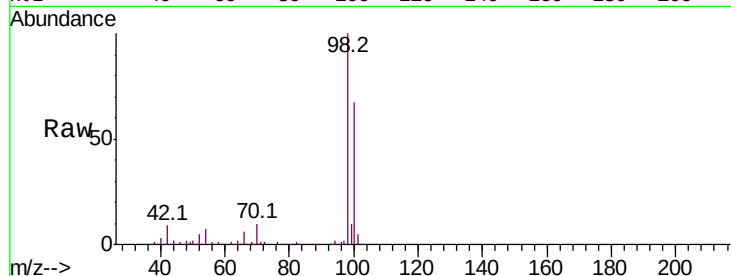
ClientSampled :

Tot Ion: 98 Resp: 360919

Ion Ratio Lower Upper

98 100

100 65.9 54.2 81.2



#51

4-Methyl-2-Pentanone

Concen: 1.016 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY000149.D

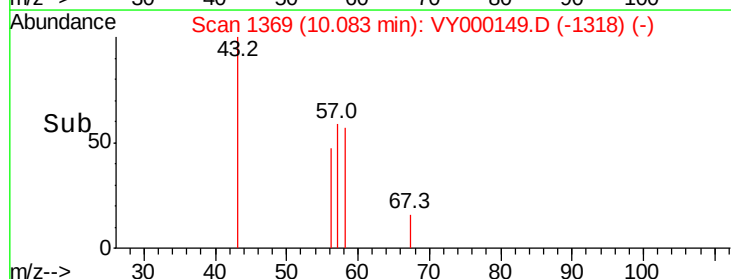
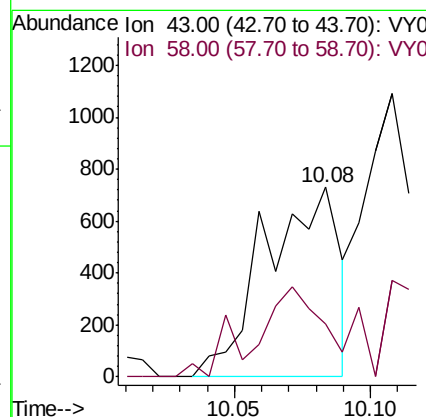
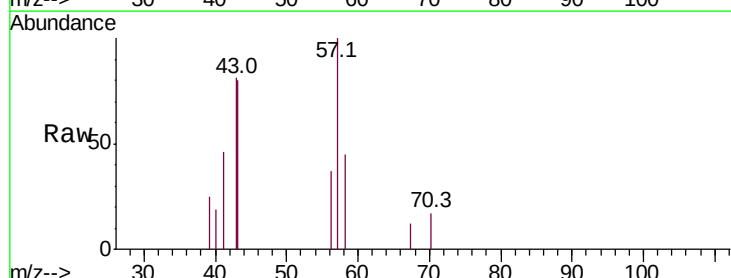
Acq: 26 Sep 2019 13:31

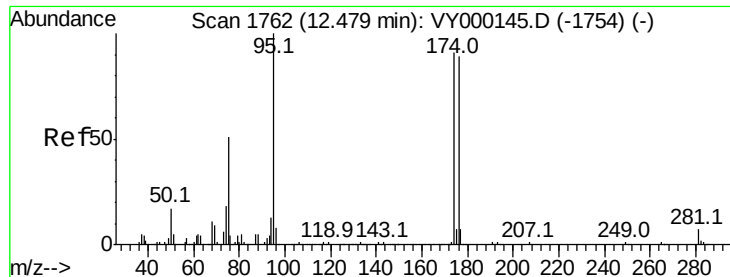
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

58 44.2 33.6 50.4

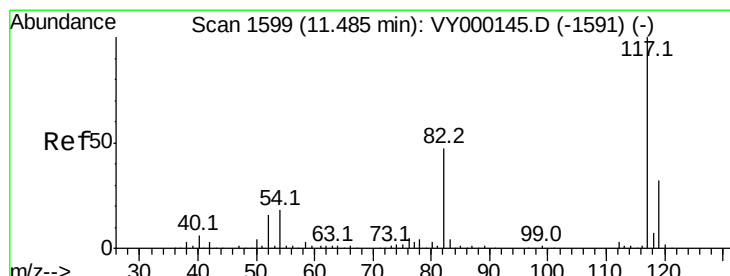
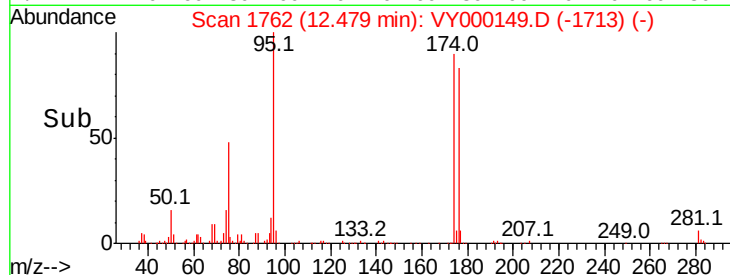
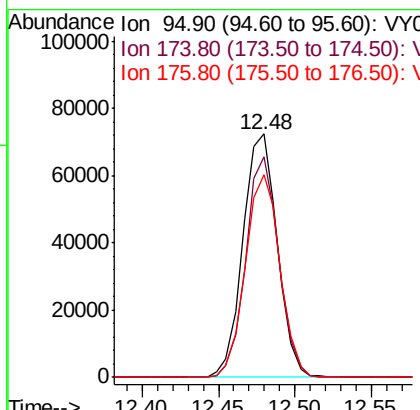
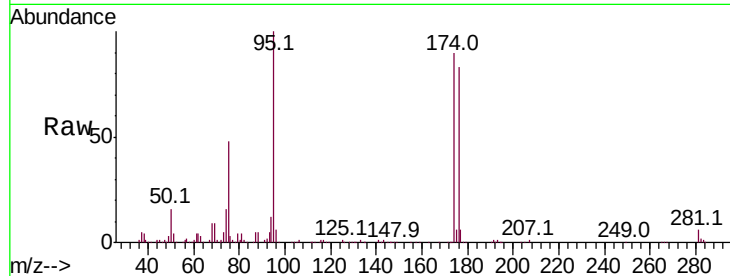




#62
4-Bromofluorobenzene
Concen: 43.291 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

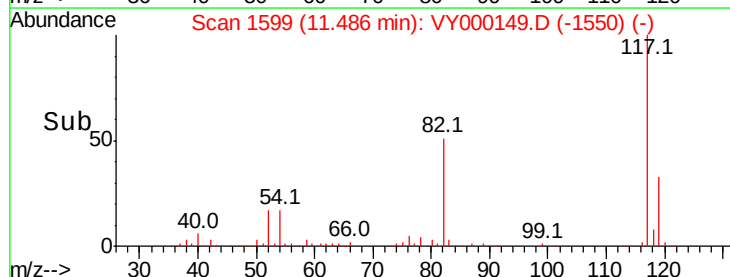
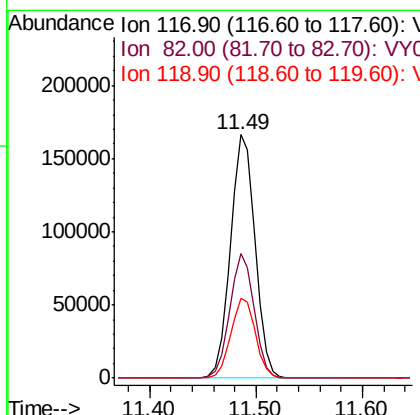
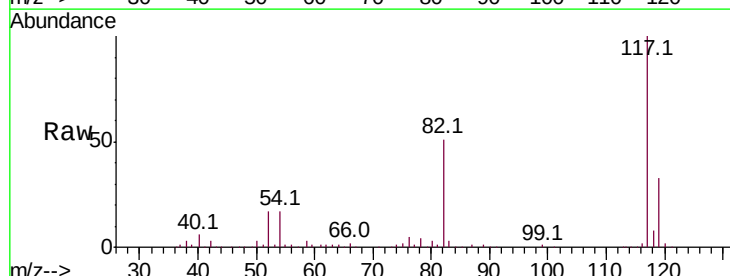
Instrument :
MSVOA_Y
ClientSampleId :

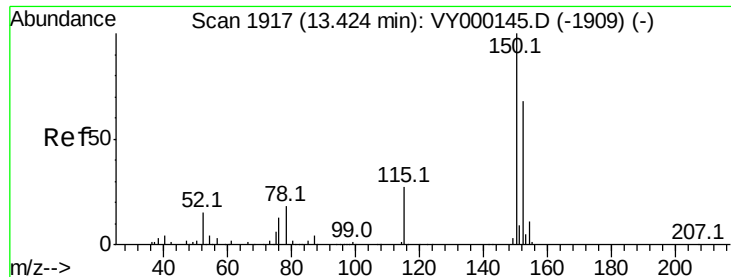
Tot Ion: 95 Resp: 112730
Ion Ratio Lower Upper
95 100
174 86.7 0.0 180.6
176 83.6 0.0 171.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

Tgt Ion: 117 Resp: 270460
Ion Ratio Lower Upper
117 100
82 51.2 37.7 56.5
119 32.6 25.4 38.2



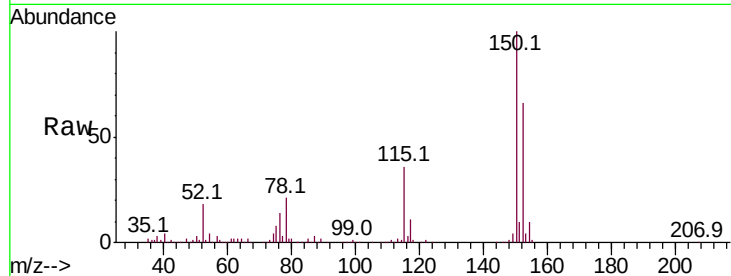


#72

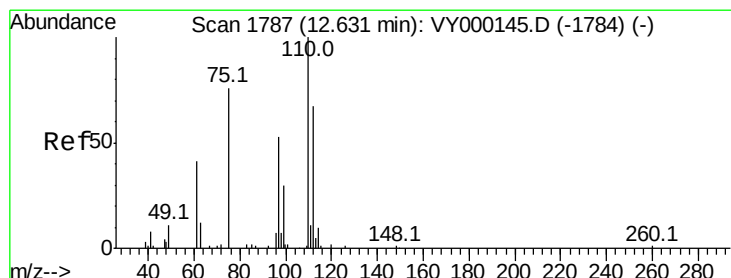
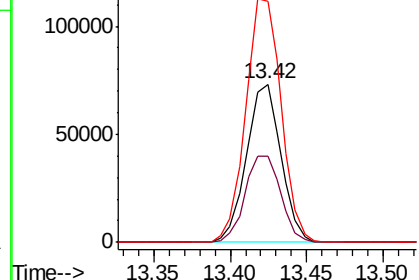
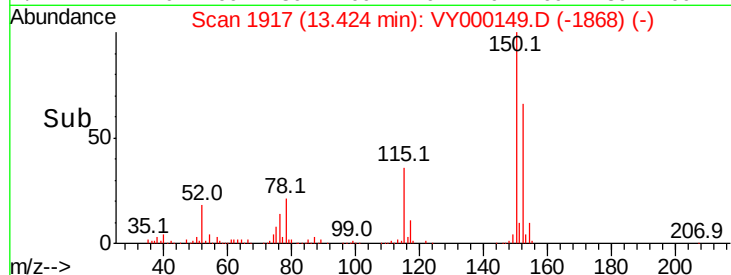
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 114692
Ion Ratio Lower Upper
152 100
115 56.6 26.8 80.4
150 157.8 0.0 347.8



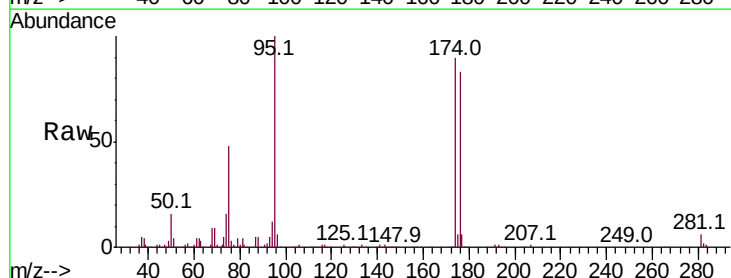
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



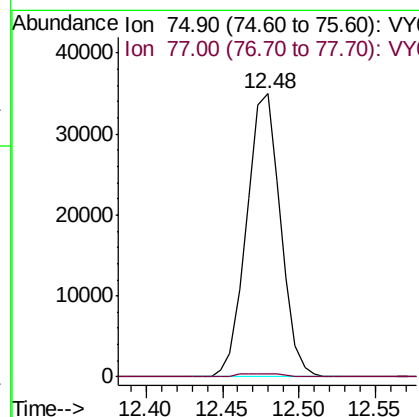
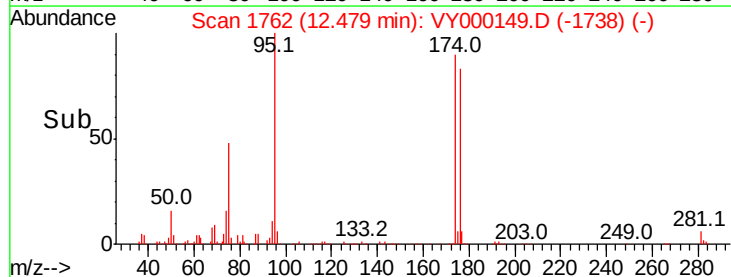
#76

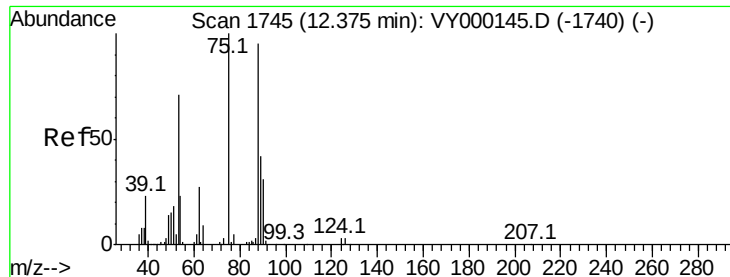
1,2,3-Trichloropropane
Concen: 46.596 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000149.D
Acq: 26 Sep 2019 13:31

Tgt Ion: 75 Resp: 53785
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.858 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :

MSVOA_Y

ClientSampleId :

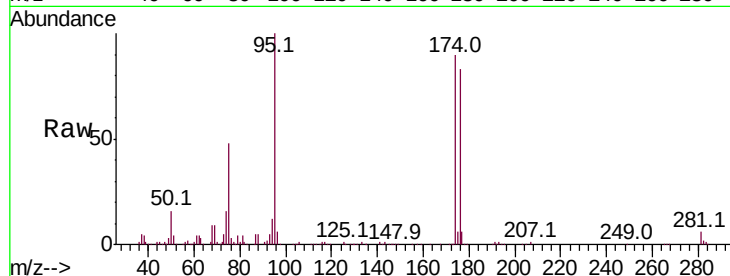
Tot Ion: 75 Resp: 53785

Ion Ratio Lower Upper

75 100

53 0.0 61.8 92.8#

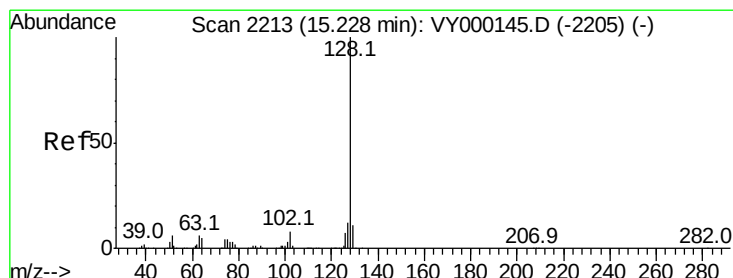
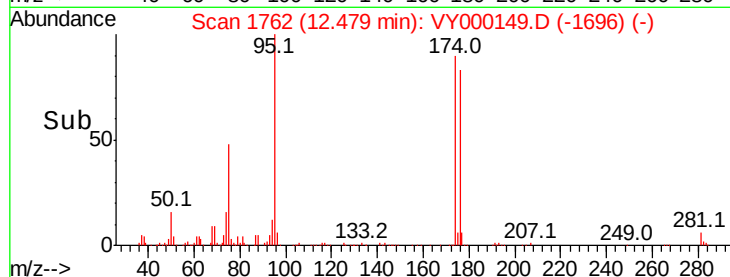
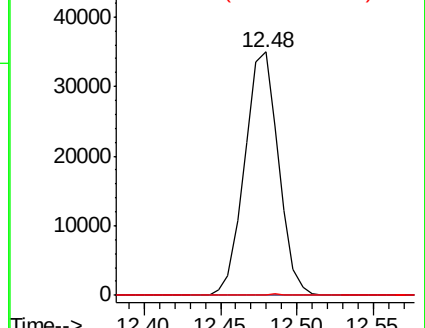
89 0.2 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#95

Naphthalene

Concen: 1.149 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

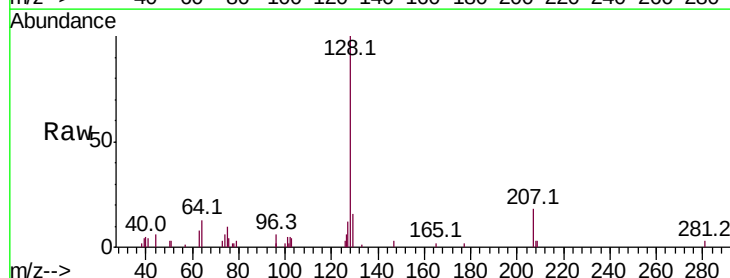
Tgt Ion: 128 Resp: 6391

Ion Ratio Lower Upper

128 100

127 13.8 9.5 14.3

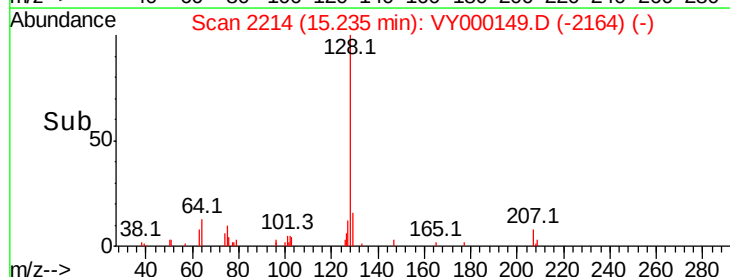
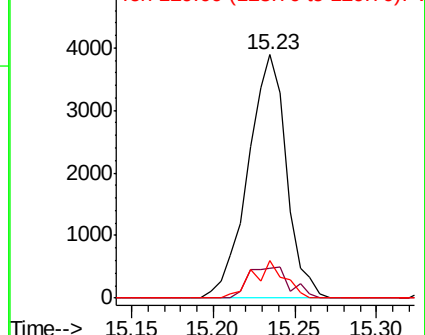
129 12.9 8.6 12.8#

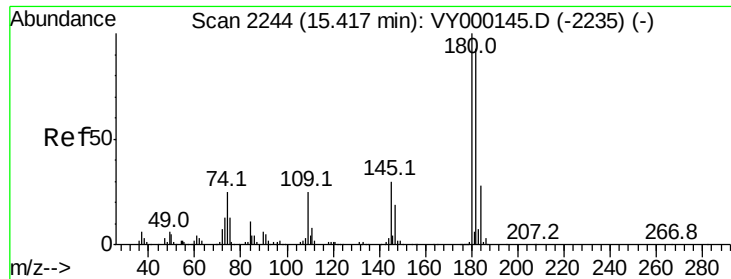


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.012 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

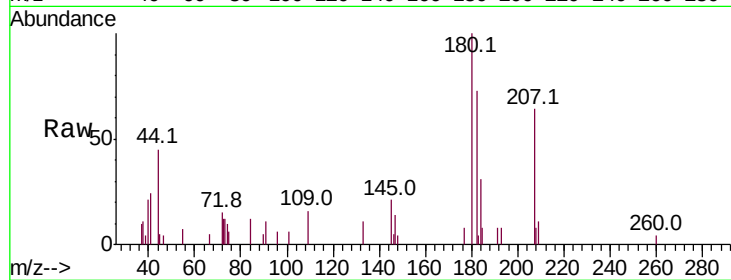
Lab File: VY000149.D

Acq: 26 Sep 2019 13:31

Instrument :

MSVOA_Y

ClientSampleId :



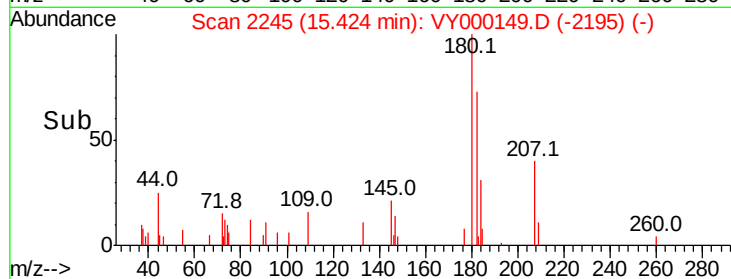
Tot Ion:180 Resp: 2254

Ion Ratio Lower Upper

180 100

182 97.3 46.6 139.7

145 37.1 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

