

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000479.D
 Acq On : 29 Oct 2019 17:01
 Operator : SY/MD
 Sample : K5587-10RE
 Misc : 5.33G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 07:20:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	171688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	294641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	218002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	60129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	100700	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	7.73	113	90972	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.18	98	334799	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.48	95	74449	28.66	ug/l	0.00
Spiked Amount			Recovery	=	57.32%	

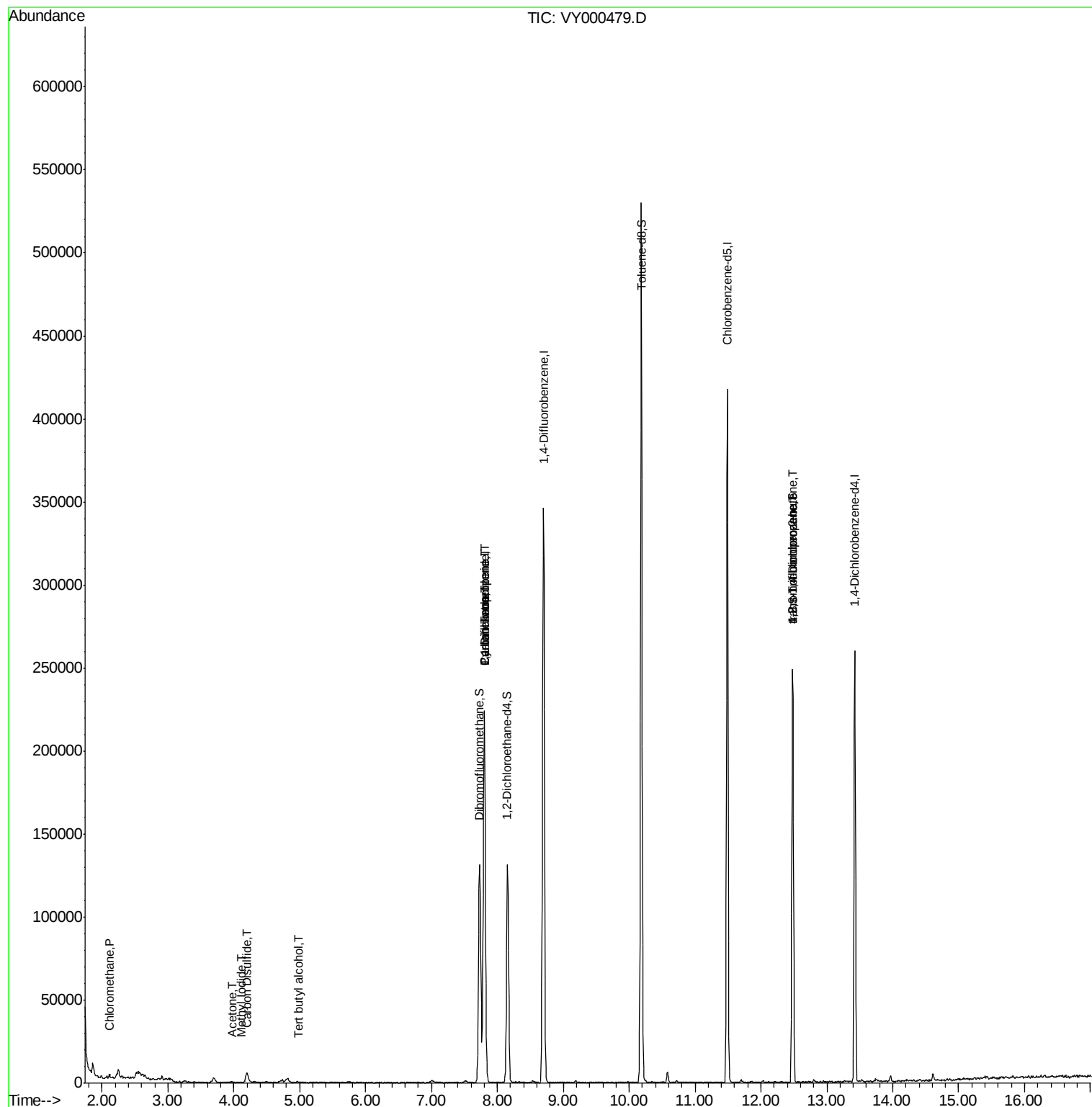
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	2278	1.086	ug/l	98
10) Methyl Iodide	4.10	142	466	1.368	ug/l #	52
11) Tert butyl alcohol	4.99	59	304	1.604	ug/l #	73
16) Acetone	3.97	43	1079	1.840	ug/l	100
17) Carbon Disulfide	4.20	76	11761	2.154	ug/l #	94
20) Methylene Chloride	4.72	84	1367	Below Cal	#	74
31) Cyclohexane	7.80	56	4547	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13802	4.785	ug/l #	49
38) Carbon Tetrachloride	7.80	117	17416	6.235	ug/l #	20
76) 1,2,3-Trichloropropane	12.48	75	39666	53.648	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	39666	117.379	ug/l #	14

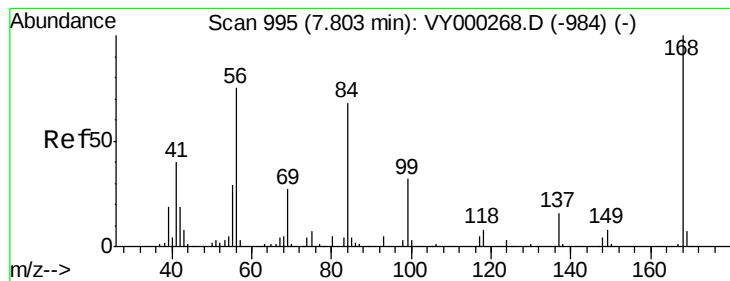
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000479.D

Acq: 29 Oct 2019 17:01

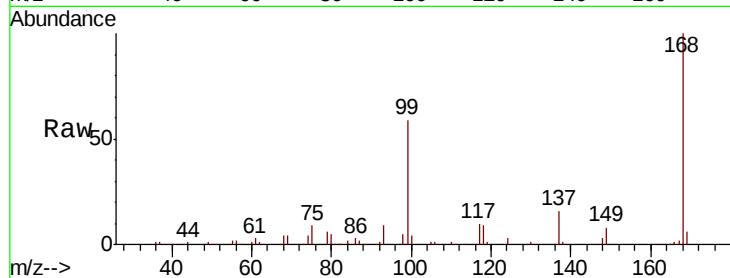
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 171688

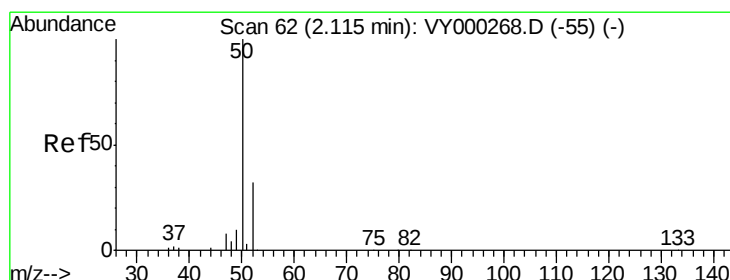
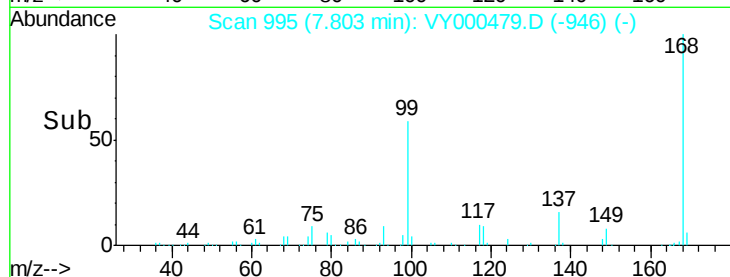
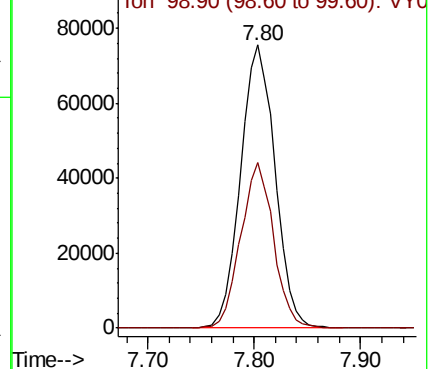
Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000479.D (-946) (-)



#3

Chloromethane

Concen: 1.086 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY000479.D

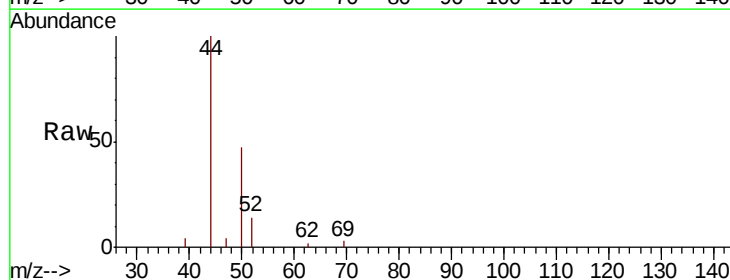
Acq: 29 Oct 2019 17:01

Tgt Ion: 50 Resp: 2278

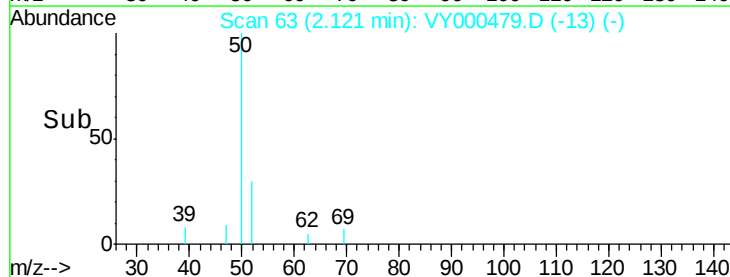
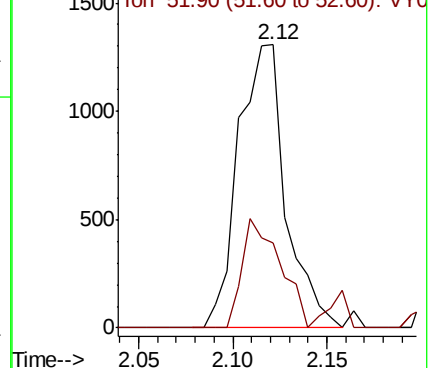
Ion Ratio Lower Upper

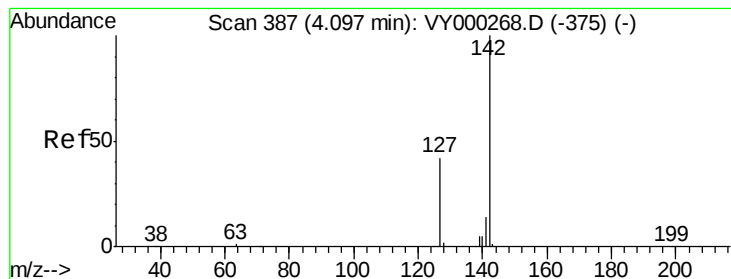
50 100

52 30.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY000479.D (-13) (-)





#10

Methyl Iodide

Concen: 1.368 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000479.D

Acq: 29 Oct 2019 17:01

Instrument :

MSVOA_Y

ClientSampled :

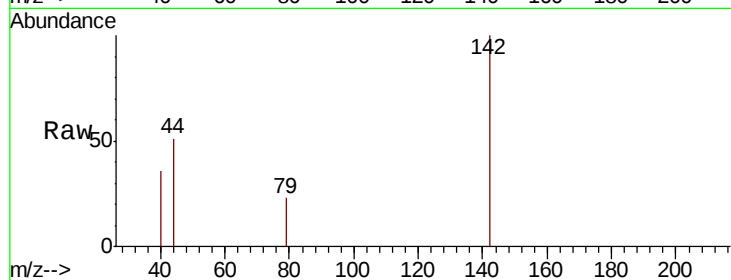
Tot Ion:142 Resp: 466

Ion Ratio Lower Upper

142 100

127 8.8 33.9 50.9#

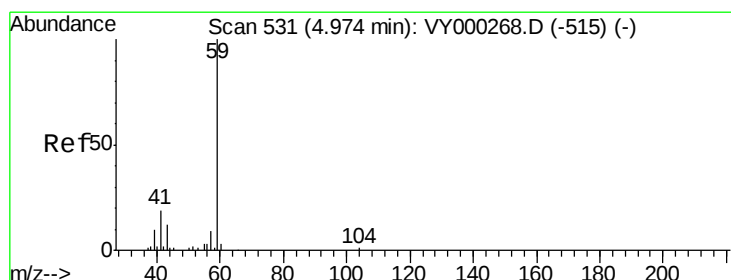
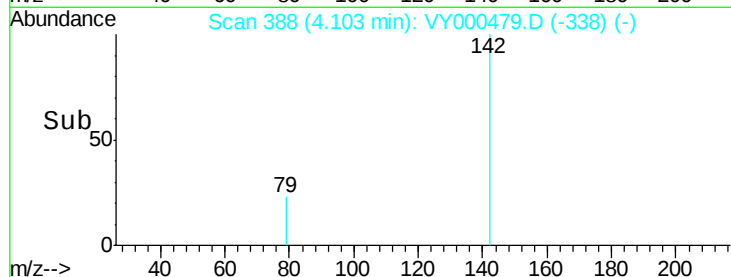
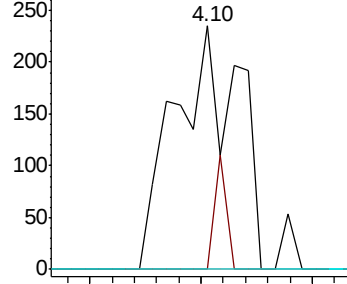
141 0.0 11.2 16.8#



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: 1.604 ug/l

RT: 4.99 min Scan# 533

Delta R.T. 0.01 min

Lab File: VY000479.D

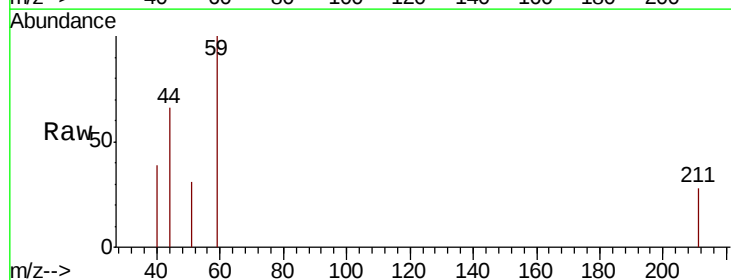
Acq: 29 Oct 2019 17:01

Tgt Ion: 59 Resp: 304

Ion Ratio Lower Upper

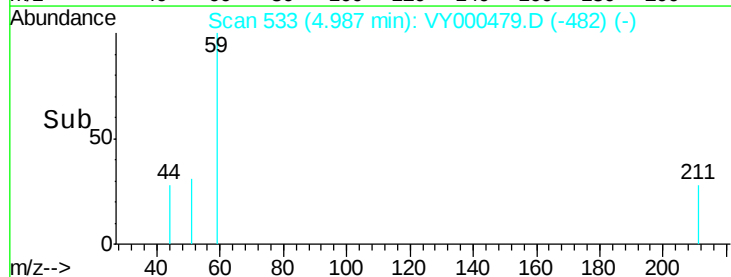
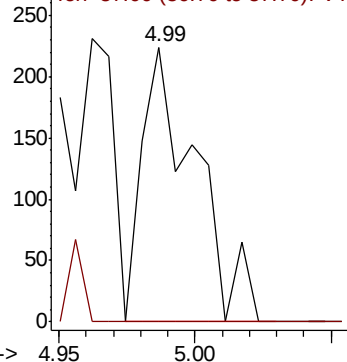
59 100

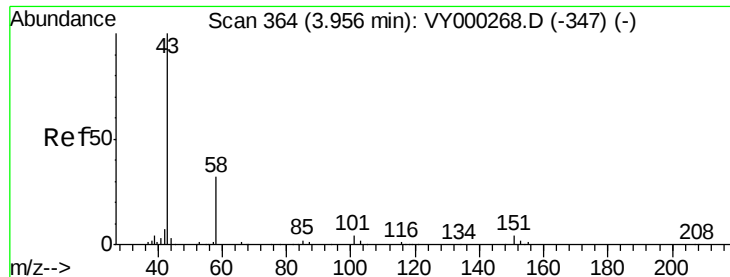
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.840 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000479.D

Acq: 29 Oct 2019 17:01

Instrument :

MSVOA_Y

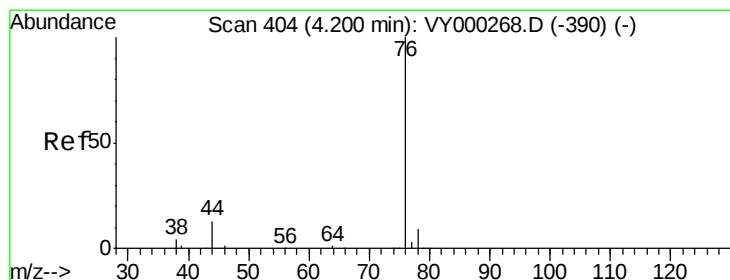
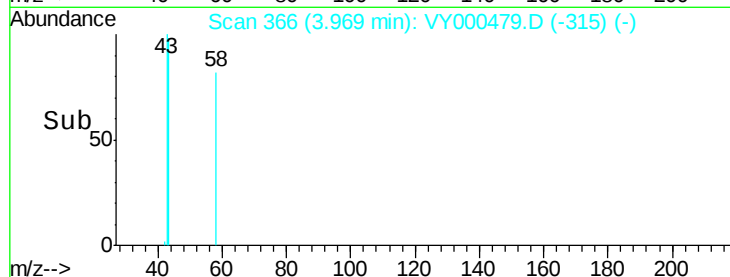
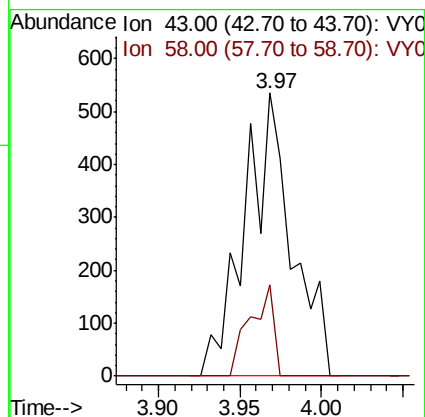
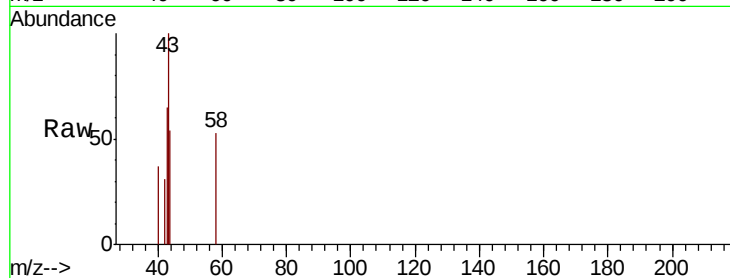
ClientSampled :

Tot Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

58 32.3 25.8 38.6



#17

Carbon Disulfide

Concen: 2.154 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000479.D

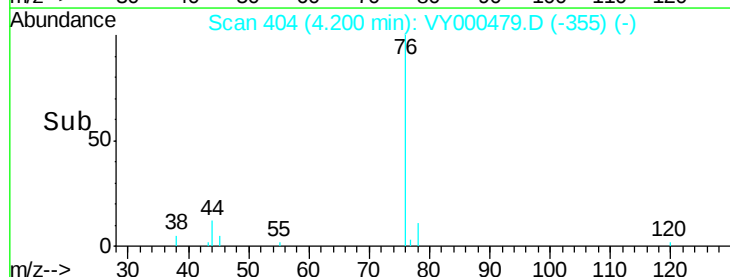
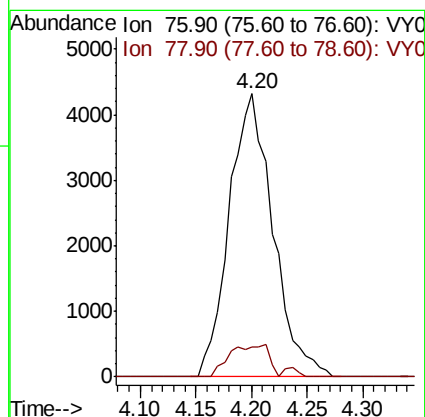
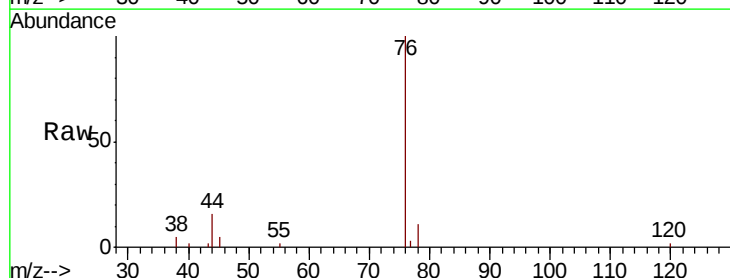
Acq: 29 Oct 2019 17:01

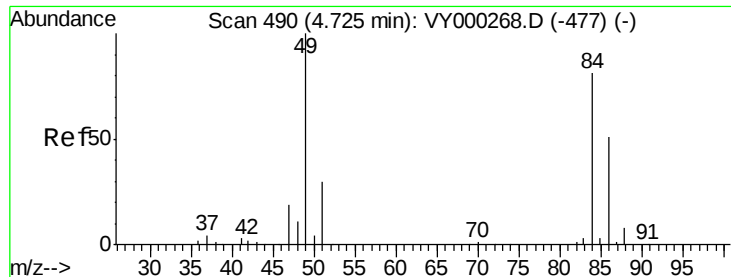
Tgt Ion: 76 Resp: 11761

Ion Ratio Lower Upper

76 100

78 10.8 7.0 10.4#

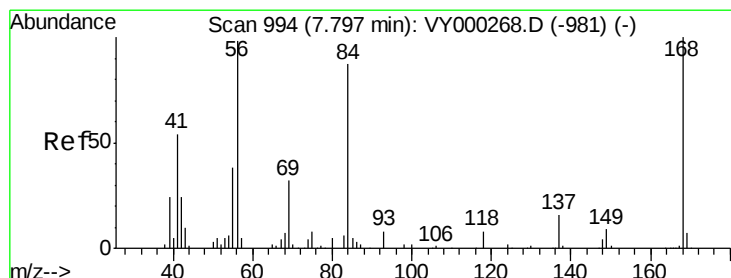
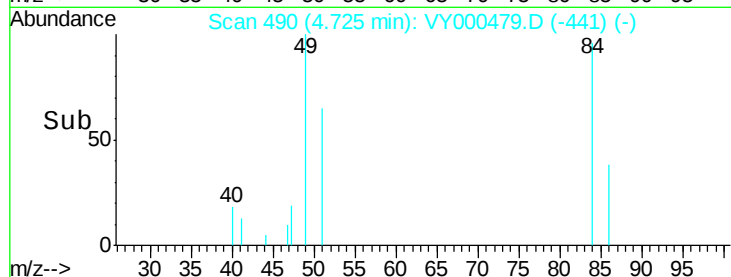
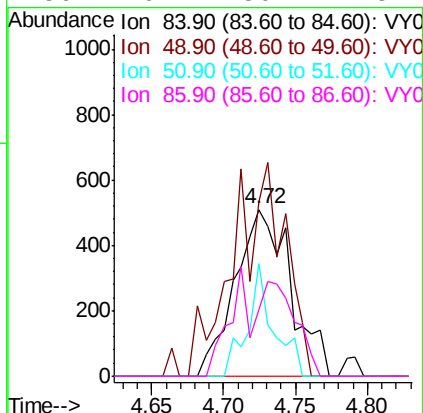
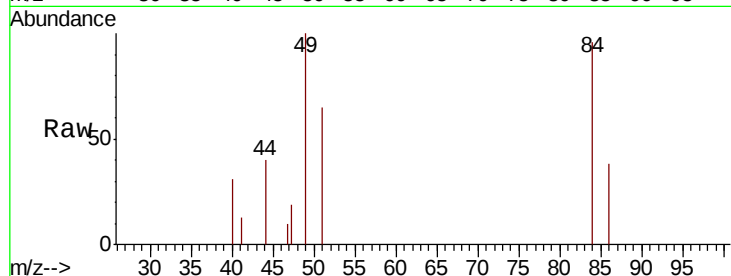




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000479.D
Acq: 29 Oct 2019 17:01

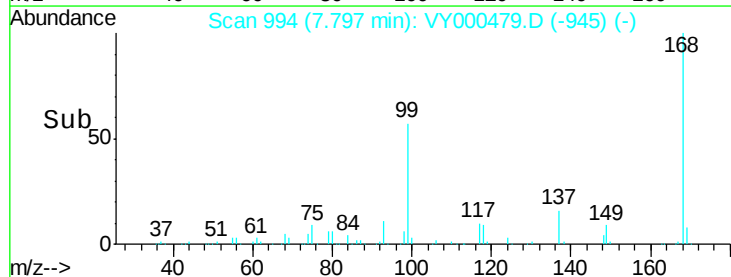
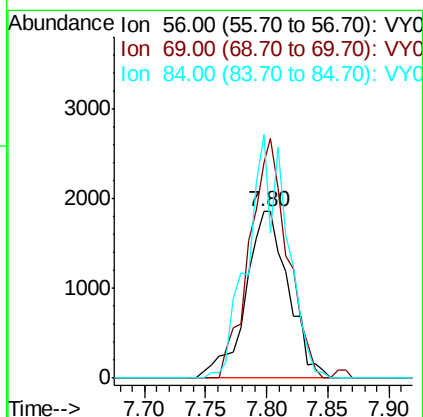
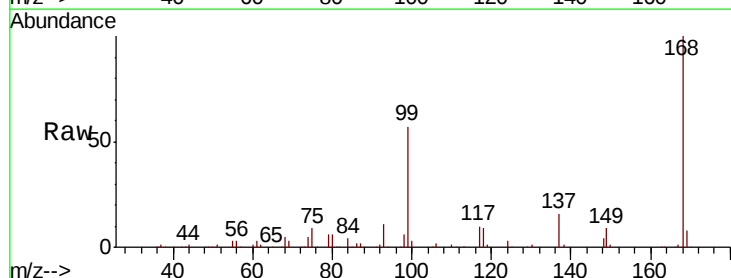
Instrument :
MSVOA_Y
ClientSampleId :

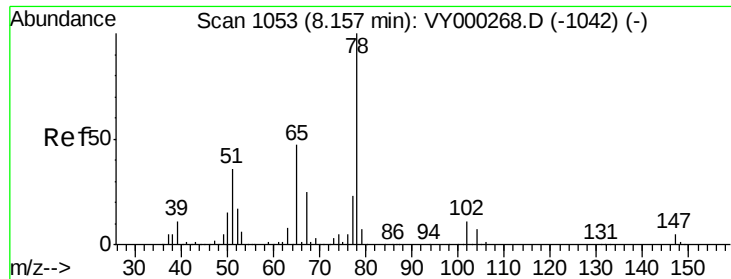
Tot Ion: 84 Resp: 1367
Ion Ratio Lower Upper
84 100
49 104.3 99.0 148.4
51 67.6 29.3 43.9#
86 40.1 50.2 75.4#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY000479.D
Acq: 29 Oct 2019 17:01

Tgt Ion: 56 Resp: 4547
Ion Ratio Lower Upper
56 100
69 129.1 26.3 39.5#
84 155.9 70.8 106.2#

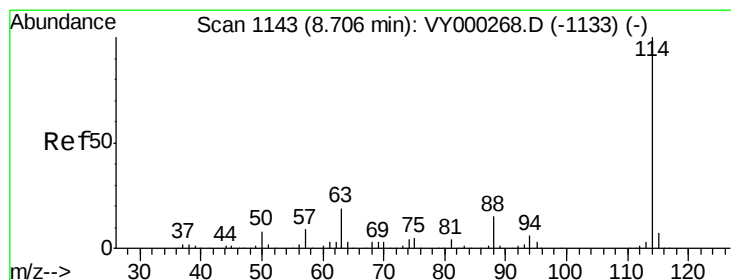
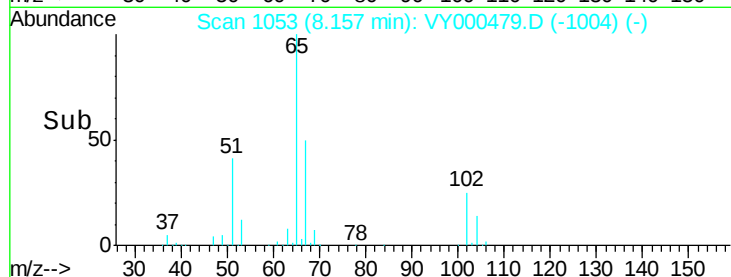
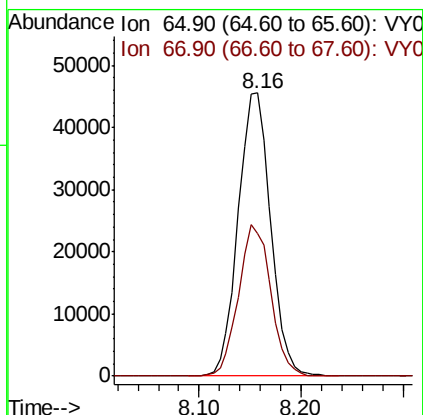
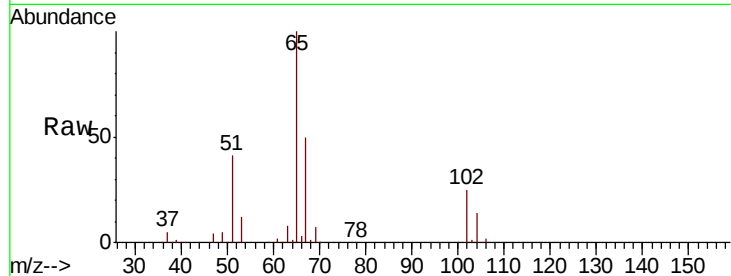




#33
 1,2-Dichloroethane-d4
 Concen: 55.603 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY000479.D
 Acq: 29 Oct 2019 17:01

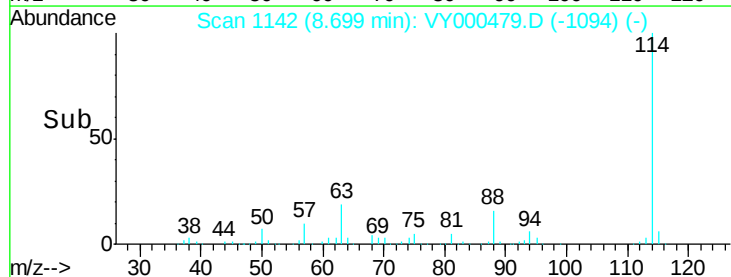
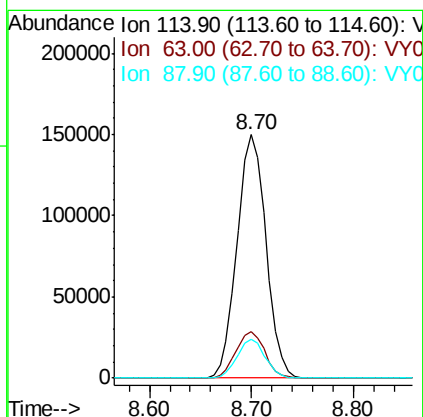
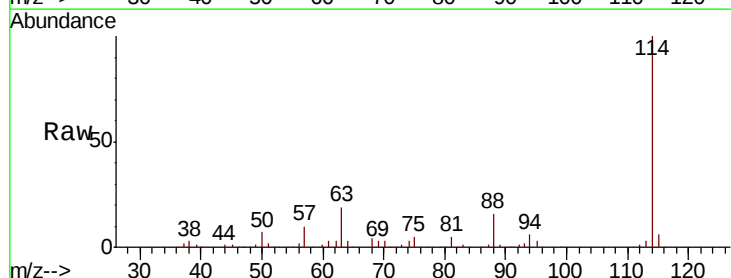
Instrument :
 MSVOA_Y
 ClientSampled :

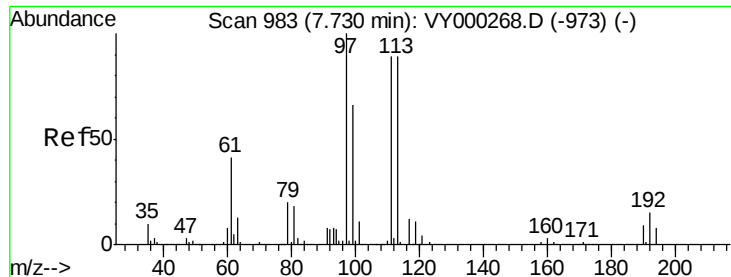
Tot Ion: 65 Resp: 100700
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000479.D
 Acq: 29 Oct 2019 17:01

Tgt Ion: 114 Resp: 294641
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.2
 88 15.7 0.0 30.2

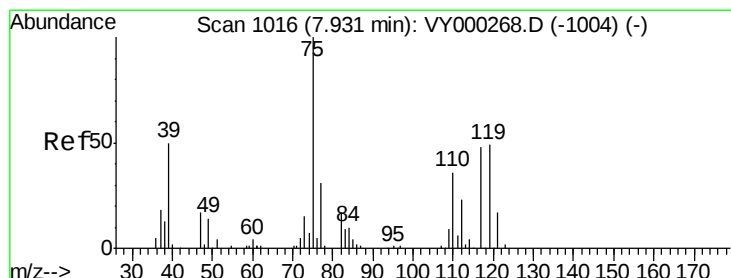
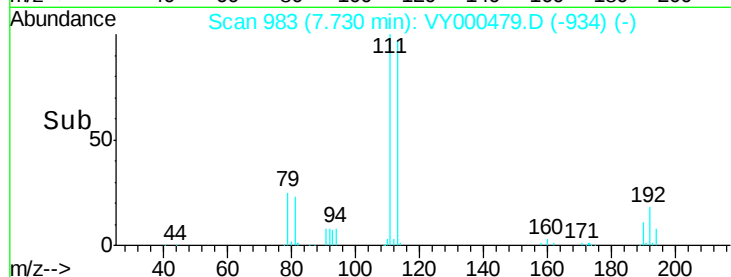
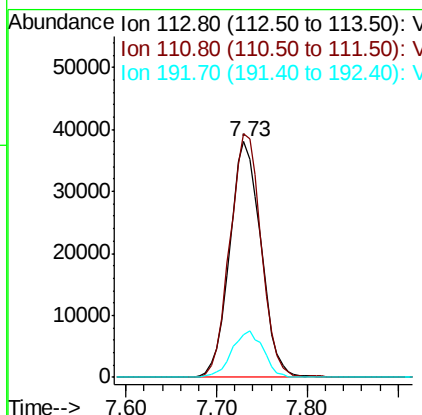
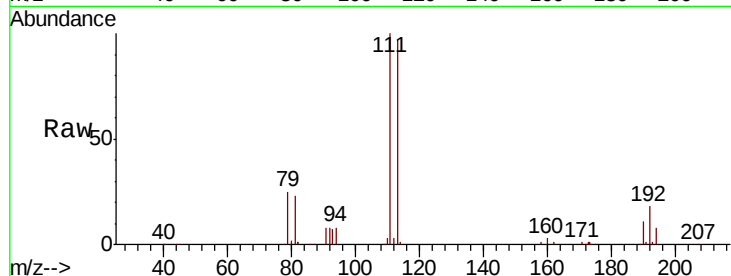




#35
 Dibromofluoromethane
 Concen: 51.185 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000479.D
 Acq: 29 Oct 2019 17:01

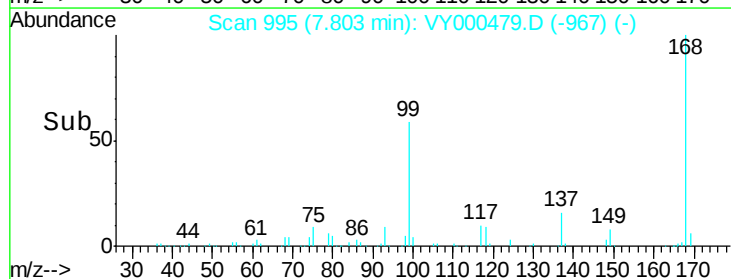
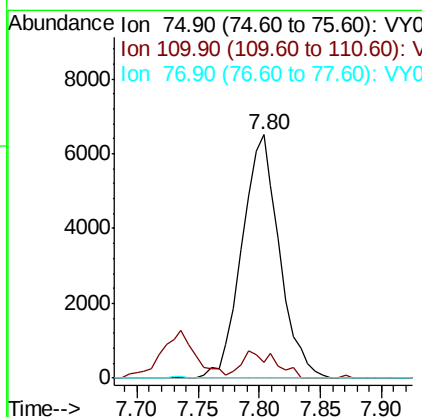
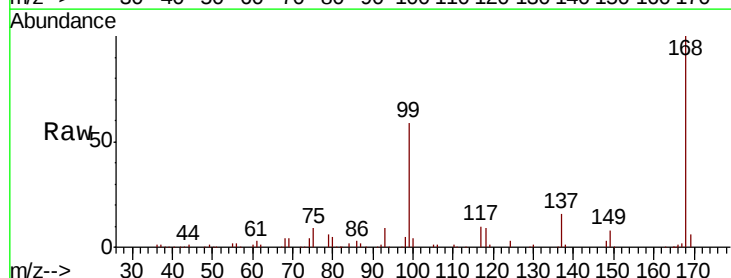
Instrument :
 MSVOA_Y
 ClientSampled :

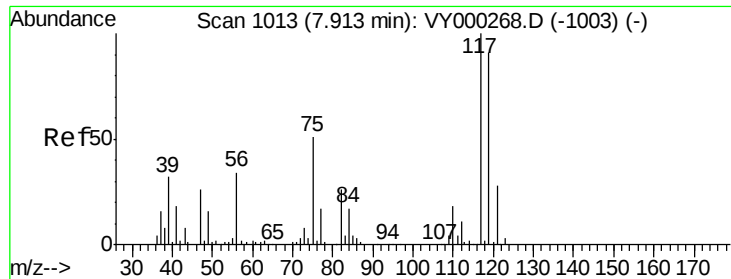
Tot Ion:113 Resp: 90972
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 19.6 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000479.D
 Acq: 29 Oct 2019 17:01

Tgt Ion: 75 Resp: 13802
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.4 55.4#
 77 0.0 25.0 37.6#

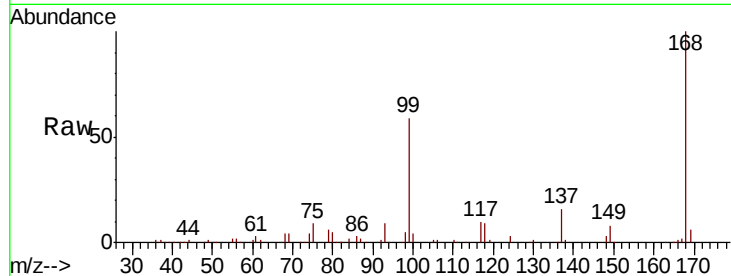




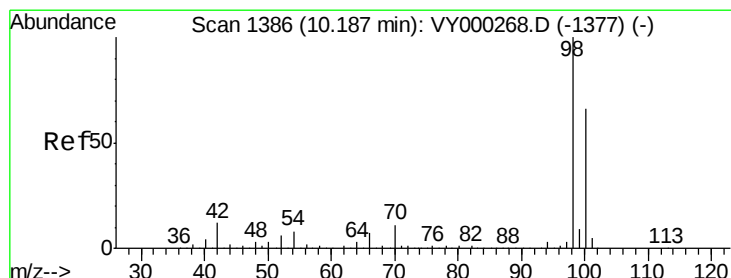
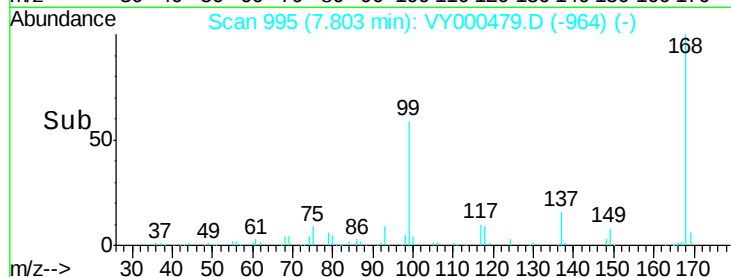
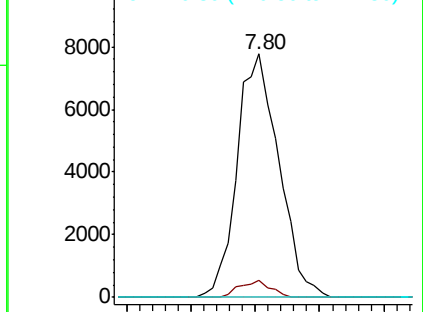
#38
Carbon Tetrachloride
Concen: 6.235 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000479.D
Acq: 29 Oct 2019 17:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 17416
Ion Ratio Lower Upper
117 100
119 7.0 72.8 109.2#
121 0.0 22.2 33.2#

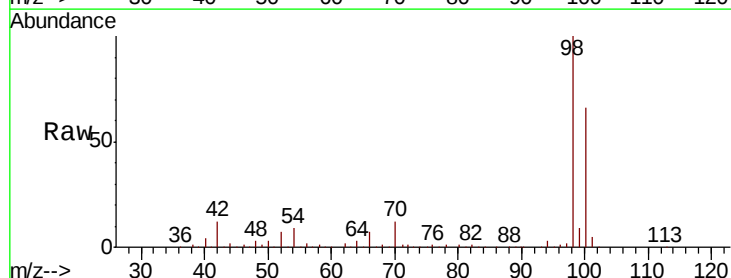


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

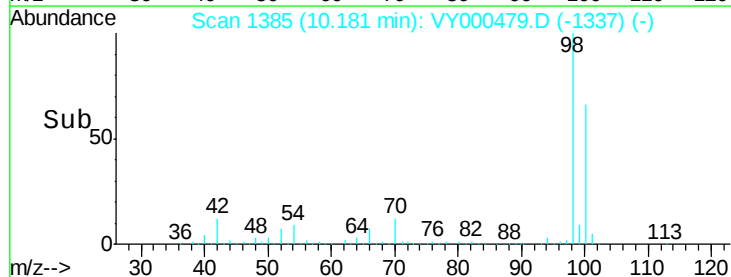
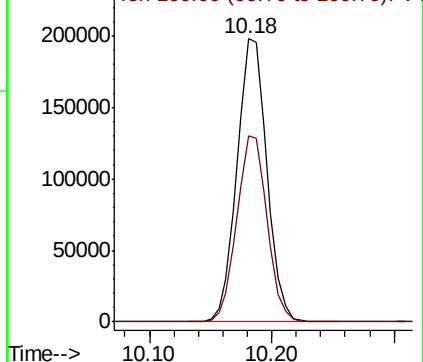


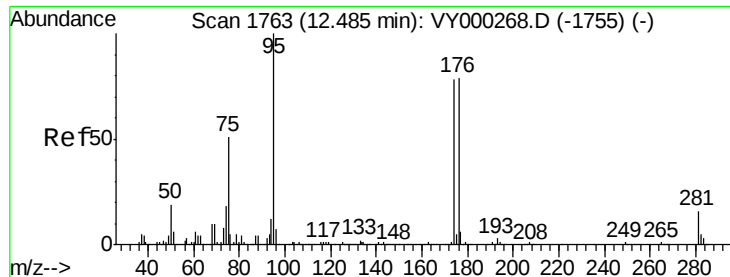
#50
Toluene-d8
Concen: 48.970 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000479.D
Acq: 29 Oct 2019 17:01

Tgt Ion: 98 Resp: 334799
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

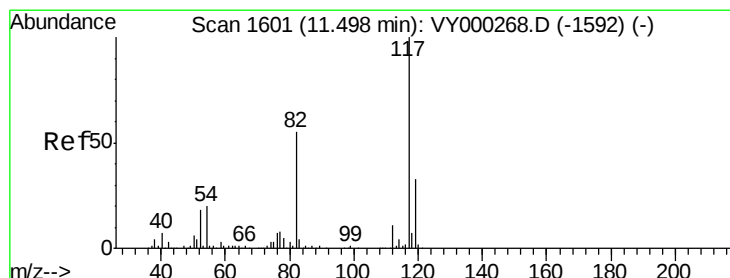
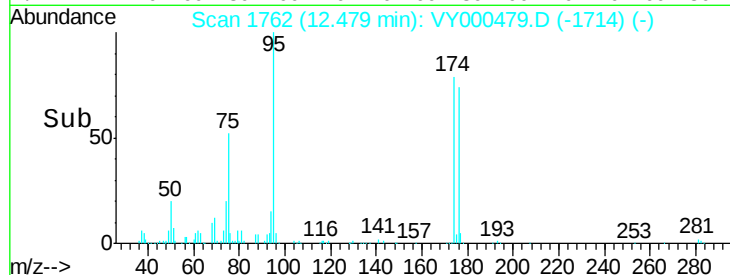
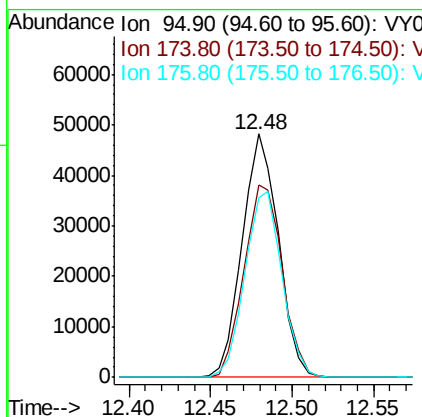
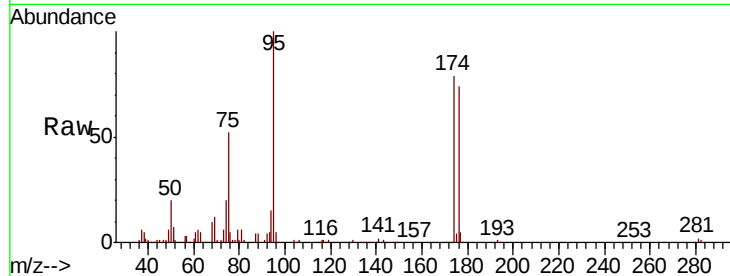




#62
4-Bromofluorobenzene
Concen: 28.663 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000479.D
Acq: 29 Oct 2019 17:01

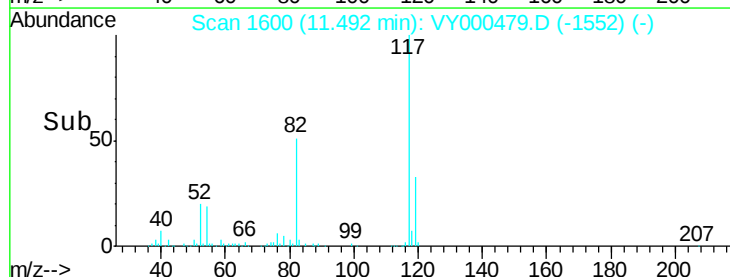
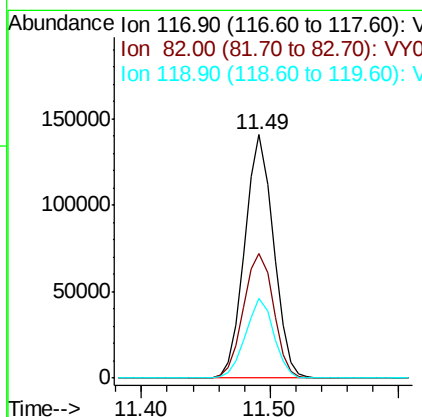
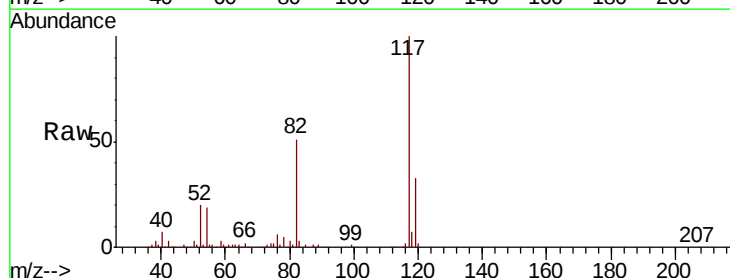
Instrument :
MSVOA_Y
ClientSampleId :

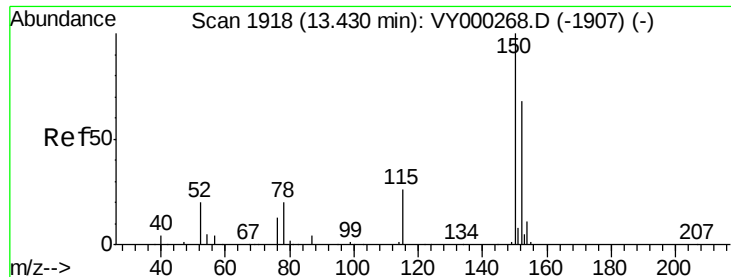
Tot Ion: 95 Resp: 74449
Ion Ratio Lower Upper
95 100
174 83.5 0.0 159.6
176 78.3 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000479.D
Acq: 29 Oct 2019 17:01

Tgt Ion: 117 Resp: 218002
Ion Ratio Lower Upper
117 100
82 51.0 43.7 65.5
119 32.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000479.D

Acq: 29 Oct 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

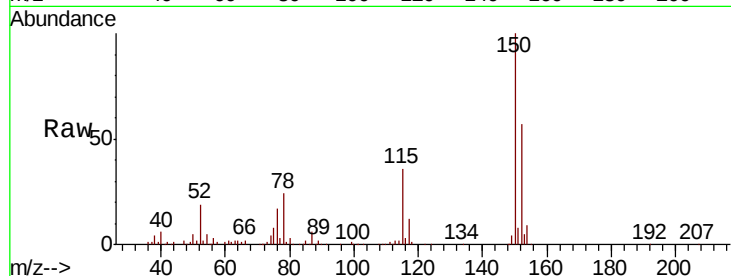
Tot Ion:152 Resp: 60129

Ion Ratio Lower Upper

152 100

115 60.5 29.3 88.0

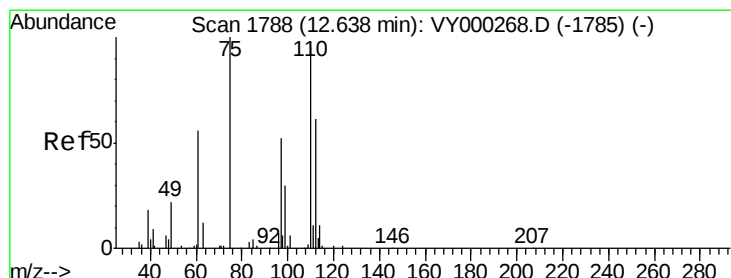
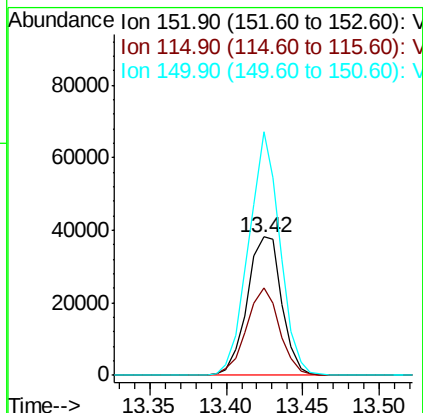
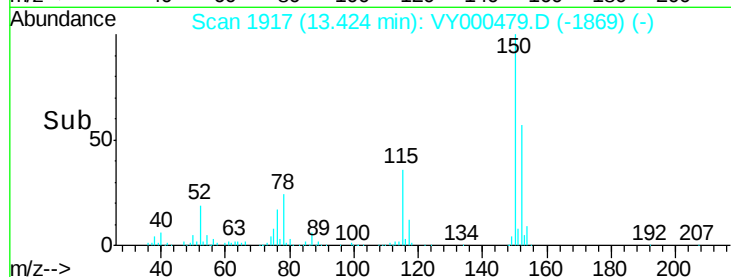
150 159.1 0.0 348.4



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



#76

1,2,3-Trichloropropane

Concen: 53.648 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000479.D

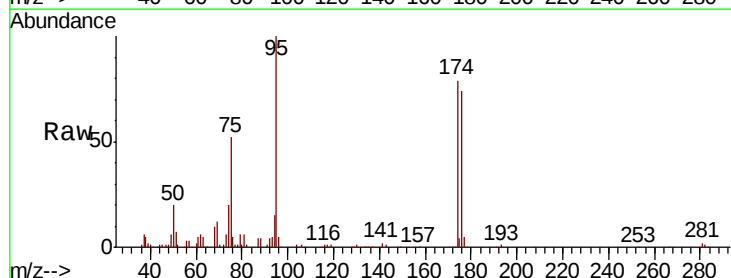
Acq: 29 Oct 2019 17:01

Tgt Ion: 75 Resp: 39666

Ion Ratio Lower Upper

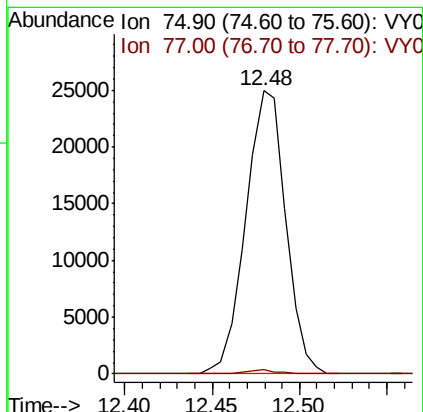
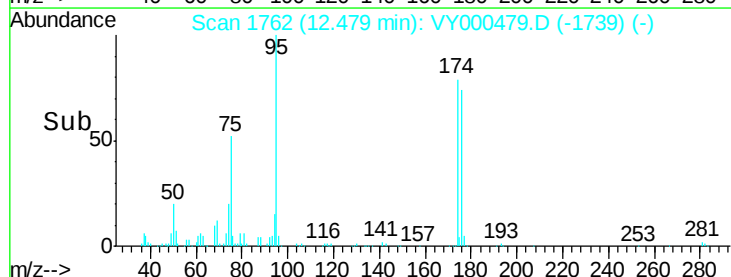
75 100

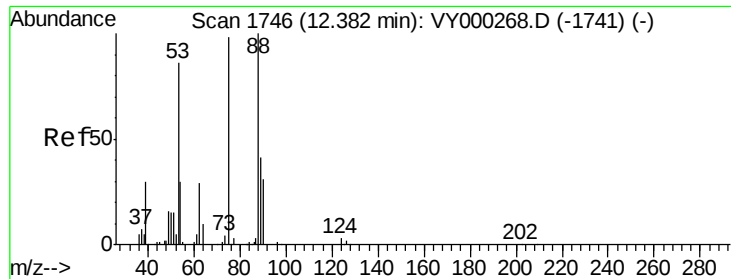
77 1.1 0.0 0.0#



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: 117.379 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000479.D

Acq: 29 Oct 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

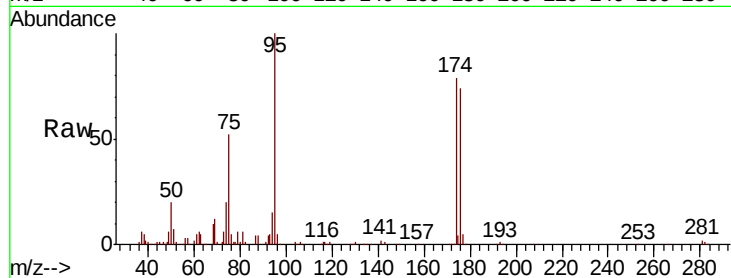
Tot Ion: 75 Resp: 39666

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#



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

