

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000358.D
 Acq On : 22 Oct 2019 12:21
 Operator : SY/MD
 Sample : VY1022SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1022SBL01

Quant Time: Oct 23 08:00:53 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	272931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	462814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	398422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	151402	52.59	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.73	113	135343	48.48	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.18	98	523133	48.71	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.49	95	172223	42.21	ug/l	0.00
Spiked Amount						

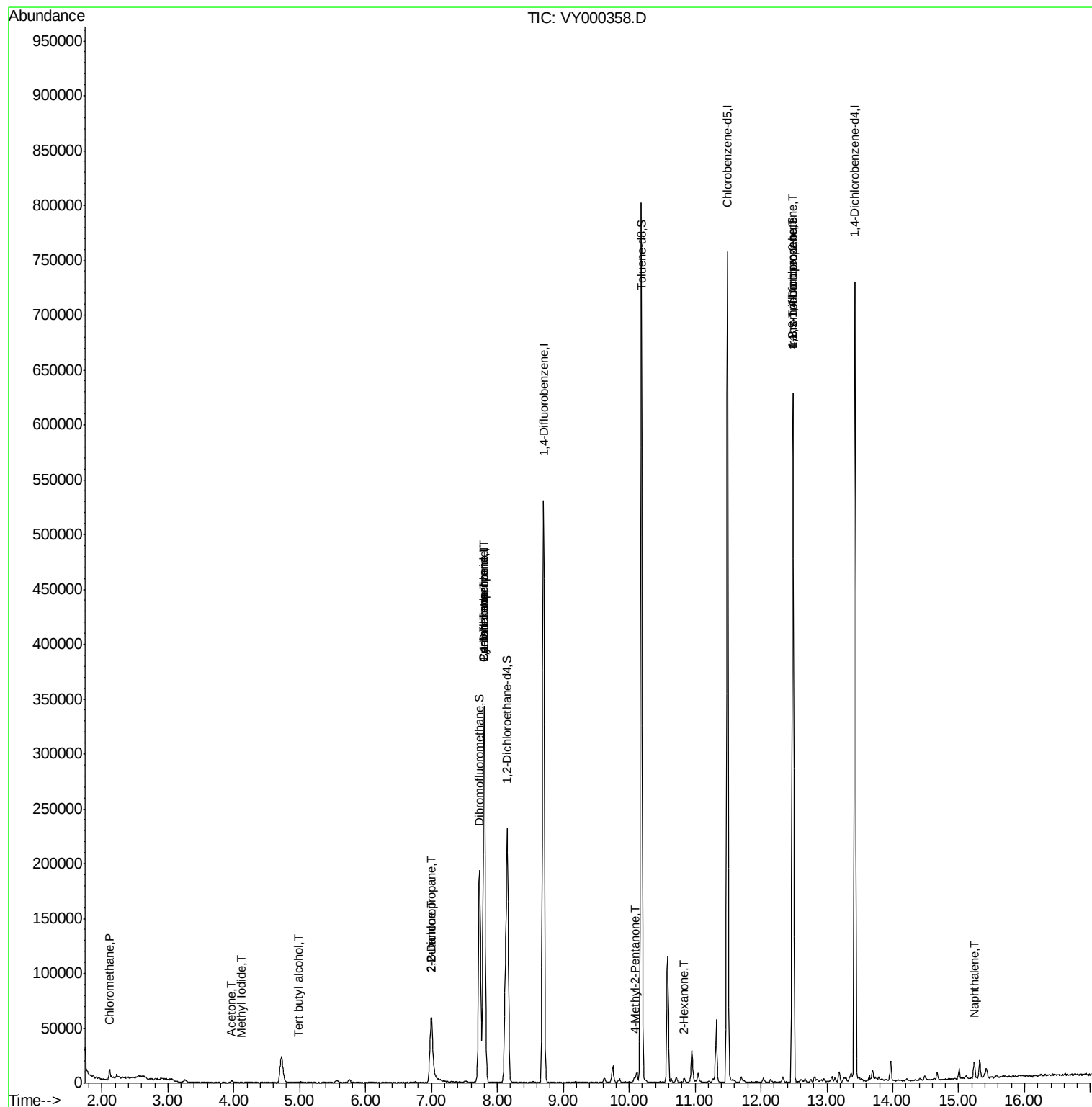
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	197	Below Cal		85
3) Chloromethane	2.12	50	6810	2.042	ug/l	94
10) Methyl Iodide	4.10	142	170	1.228	ug/l #	41
11) Tert butyl alcohol	4.99	59	436	1.447	ug/l #	89
16) Acetone	3.96	43	1339	1.436	ug/l	98
25) 2-Butanone	7.00	43	4276	3.256	ug/l #	77
26) 2,2-Dichloropropane	7.00	77	5413	1.114	ug/l #	52
31) Cyclohexane	7.80	56	6222	1.130	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	20951	4.624	ug/l #	48
38) Carbon Tetrachloride	7.80	117	26060	5.940	ug/l #	18
51) 4-Methyl-2-Pentanone	10.08	43	2983	1.134	ug/l #	74
59) 2-Hexanone	10.84	43	3087	1.671	ug/l	81
76) 1,2,3-Trichloropropane	12.49	75	94382	43.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	94382	94.557	ug/l #	14
95) Naphthalene	15.23	128	11607	1.360	ug/l	98

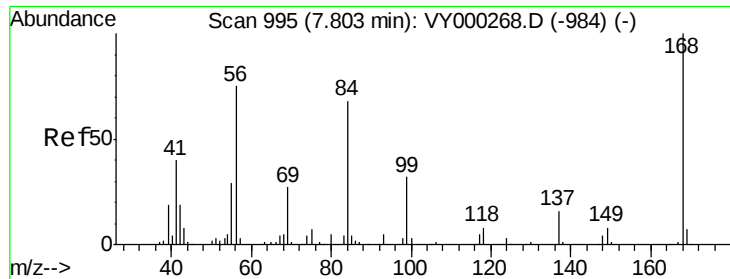
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000358.D

Acq: 22 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

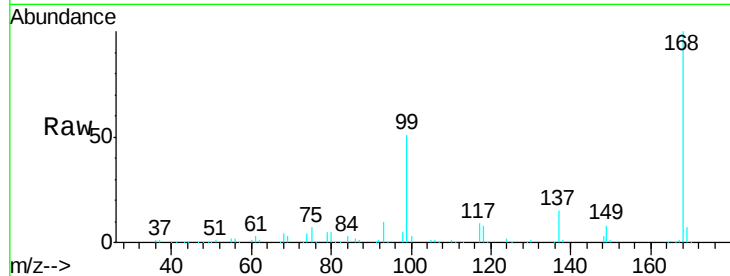
VY1022SBL01

Tgt Ion: 168 Resp: 272931

Ion Ratio Lower Upper

168 100

99 51.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000358.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000358.D (-946) (-)

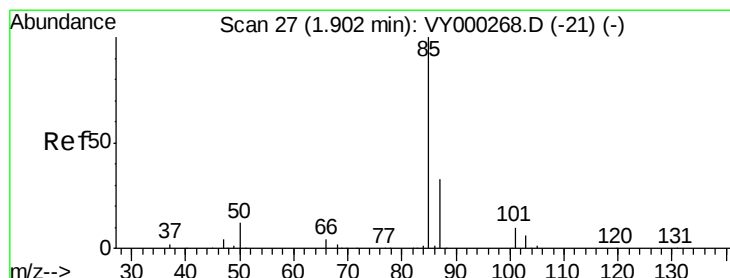
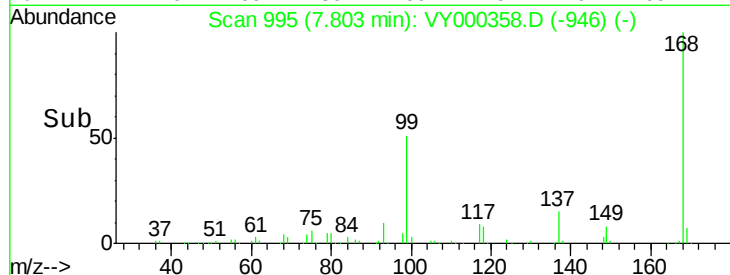
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000358.D

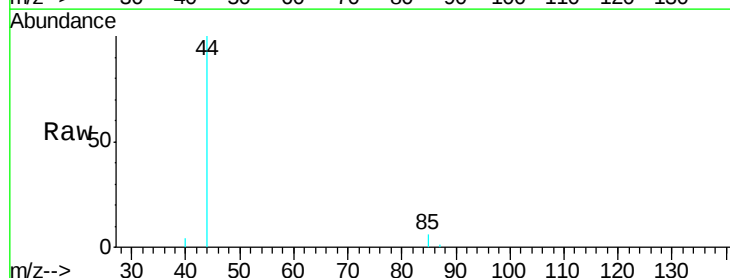
Acq: 22 Oct 2019 12:21

Tgt Ion: 85 Resp: 197

Ion Ratio Lower Upper

85 100

87 24.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000358.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000358.D (-1) (-)

1.91

300

250

200

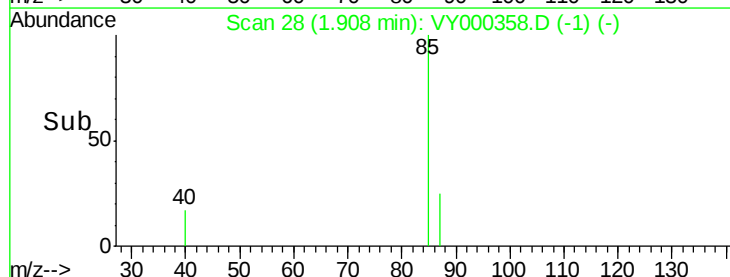
150

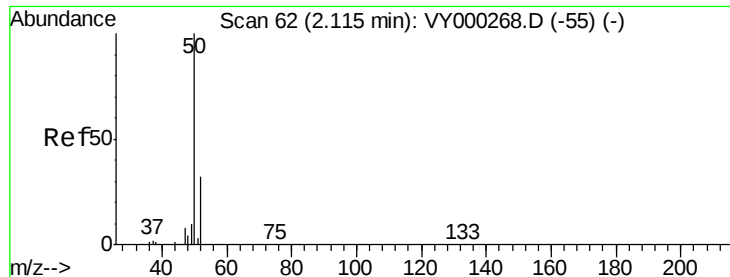
100

50

0

Time-->





#3

Chloromethane

Concen: 2.042 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000358.D

Acq: 22 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

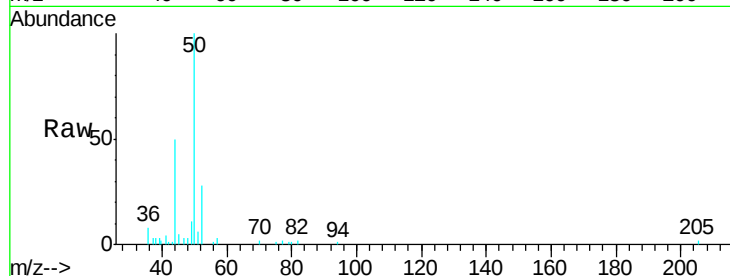
VY1022SBL01

Tgt Ion: 50 Resp: 6810

Ion Ratio Lower Upper

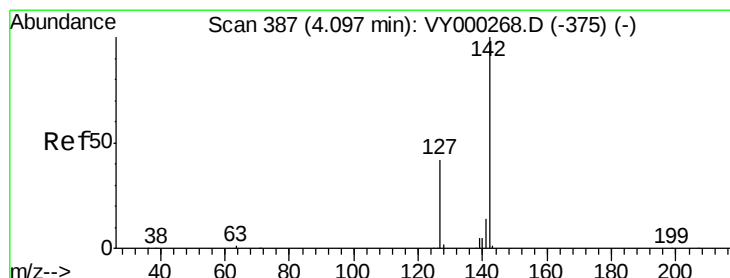
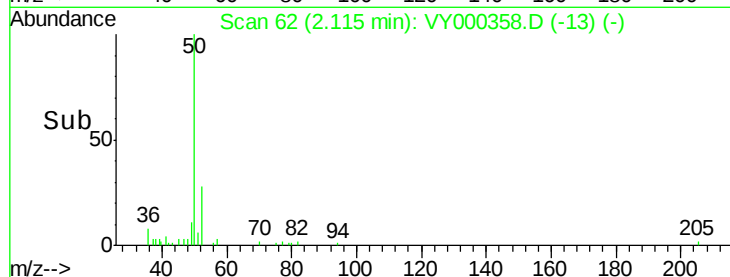
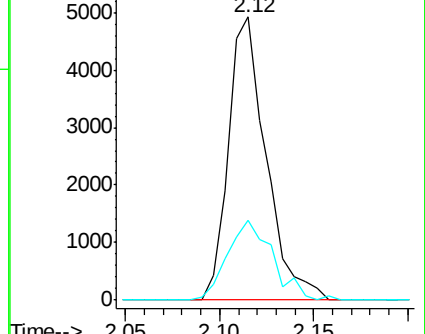
50 100

52 28.1 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.228 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000358.D

Acq: 22 Oct 2019 12:21

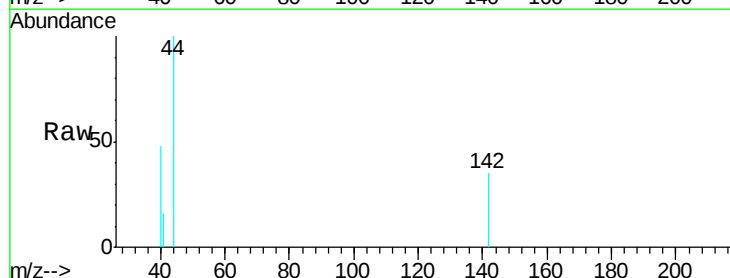
Tgt Ion: 142 Resp: 170

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

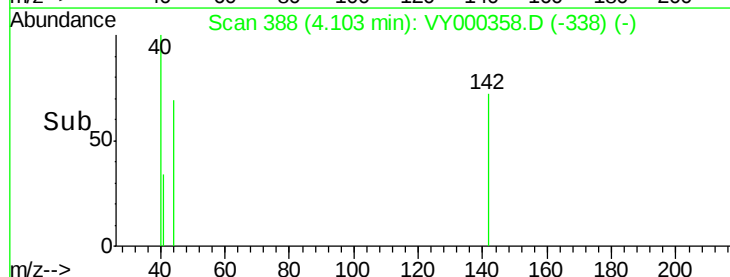
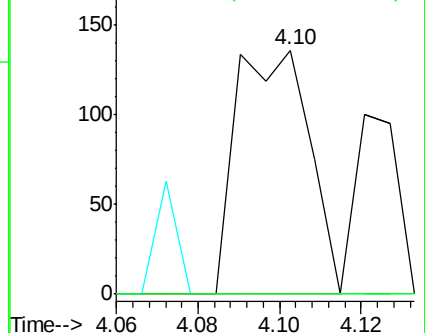
141 0.0 11.2 16.8#

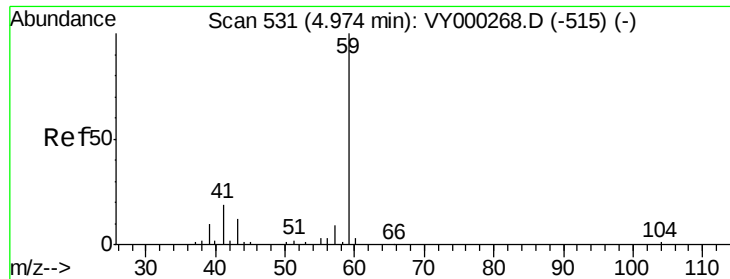


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

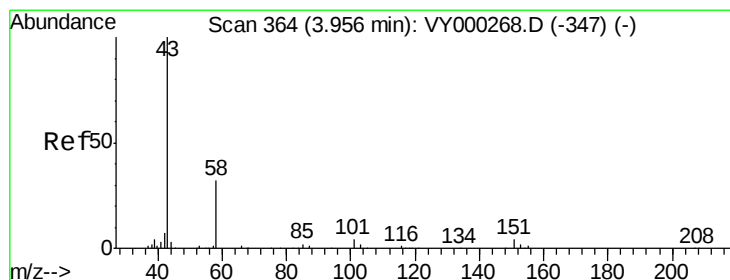
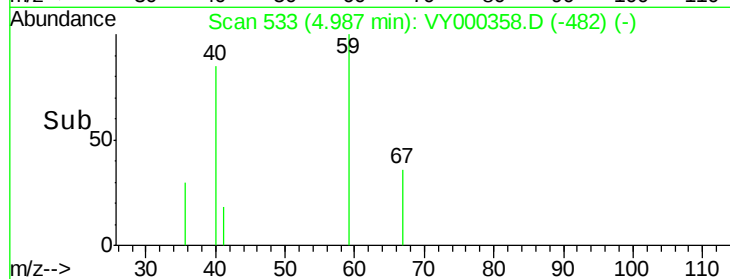
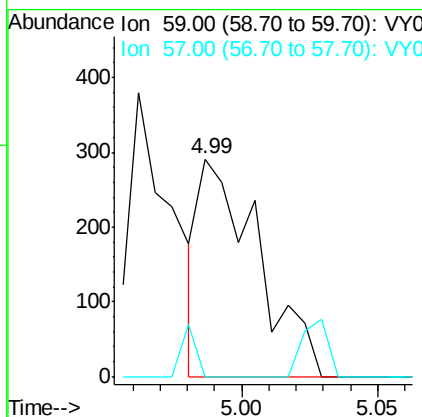
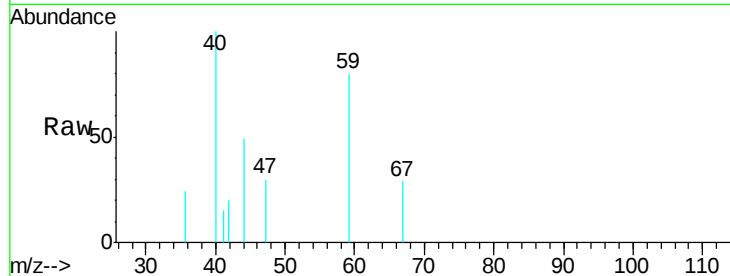




#11
Tert butyl alcohol
Concen: 1.447 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

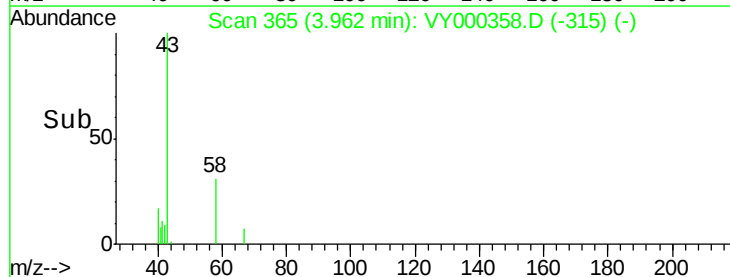
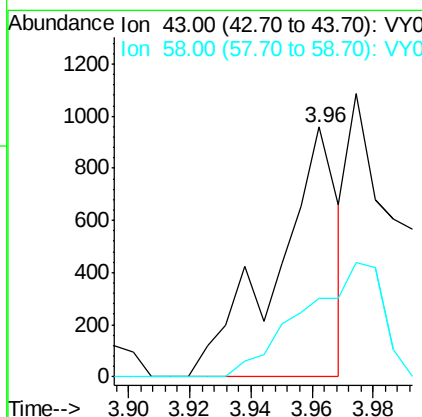
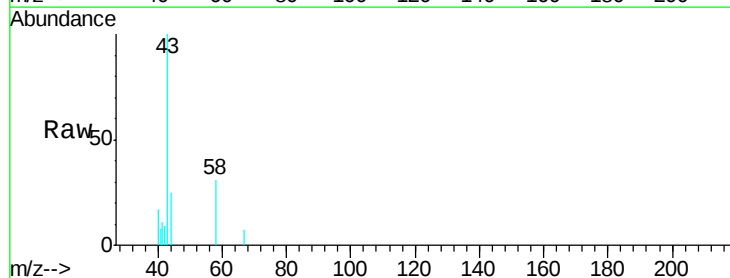
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

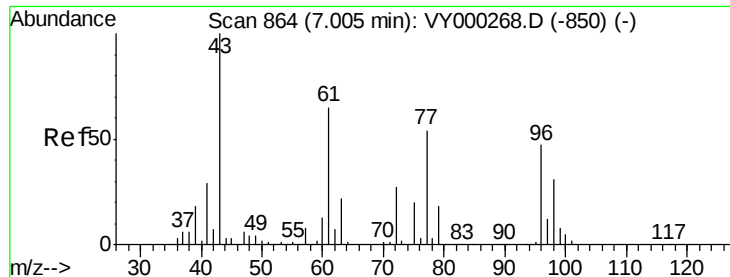
Tgt Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 6.0 8.2 12.2#



#16
Acetone
Concen: 1.436 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 31.2 25.8 38.6





#25

2-Butanone

Concen: 3.256 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000358.D

Acq: 22 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

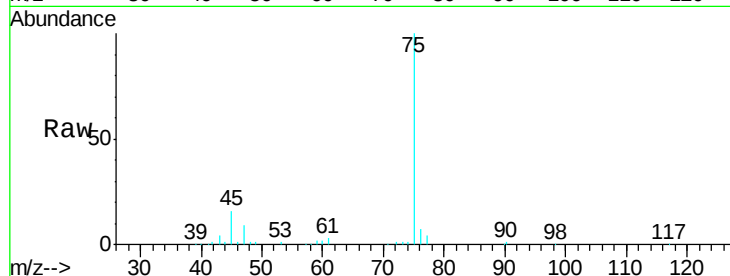
VY1022SBL01

Tgt Ion: 43 Resp: 4276

Ion Ratio Lower Upper

43 100

72 14.9 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

1500

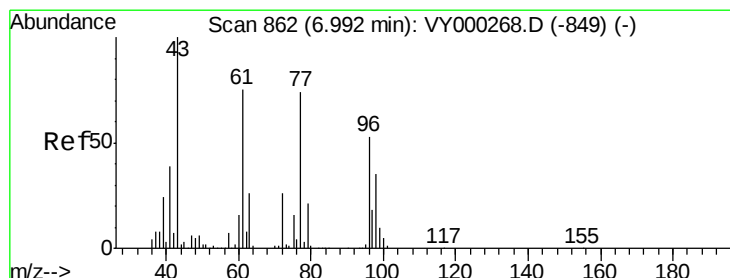
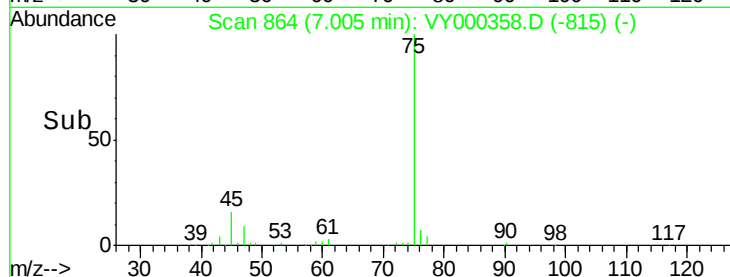
1000

500

0

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 1.114 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000358.D

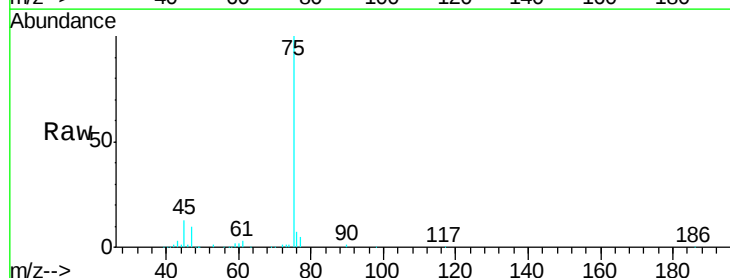
Acq: 22 Oct 2019 12:21

Tgt Ion: 77 Resp: 5413

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.7#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.00

2000

1500

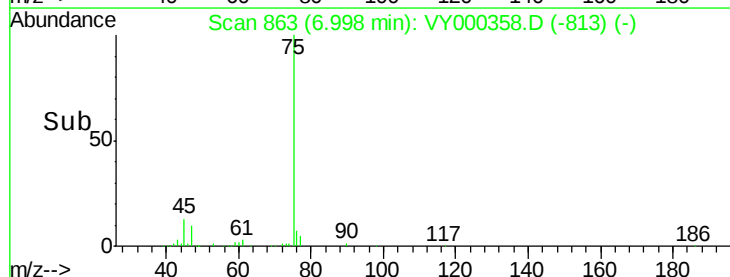
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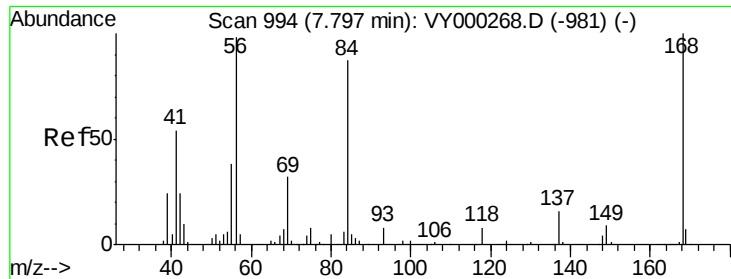
500

0

6.90 6.95 7.00 7.05 7.10

Time-->

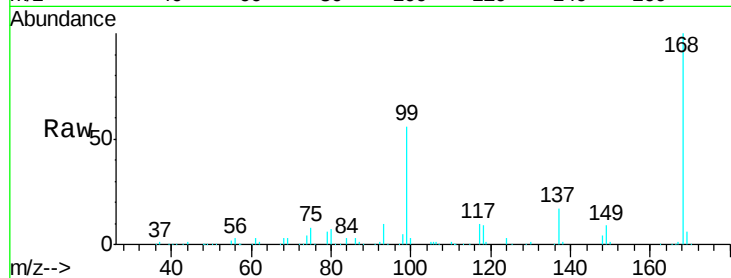




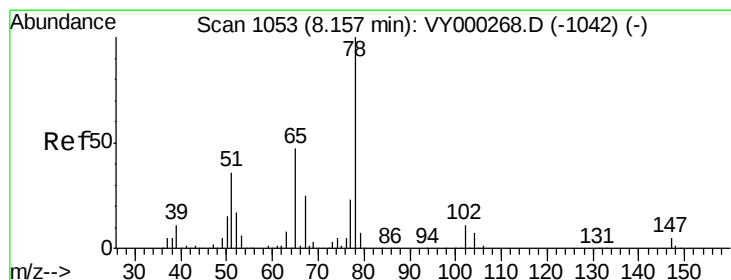
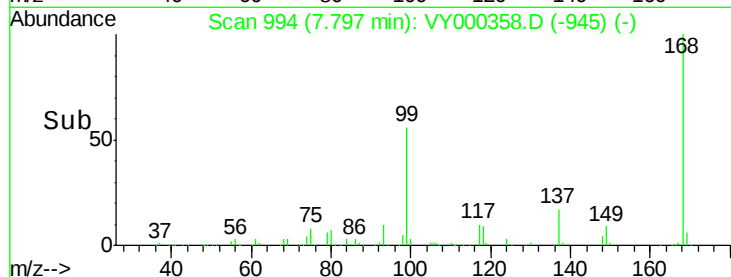
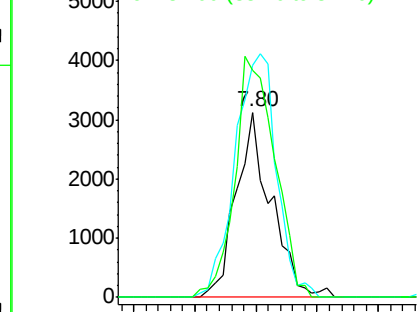
#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion: 56 Resp: 6222
Ion Ratio Lower Upper
56 100
69 125.9 26.3 39.5#
84 122.8 70.8 106.2#

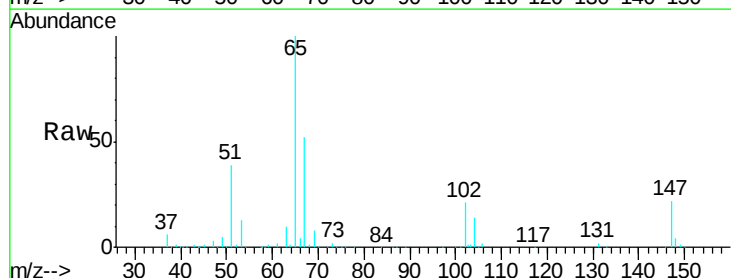


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

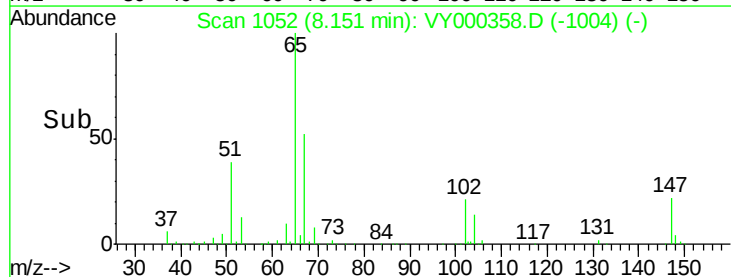
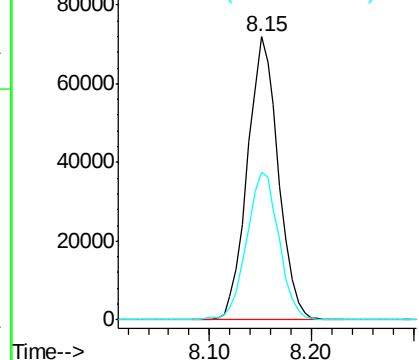


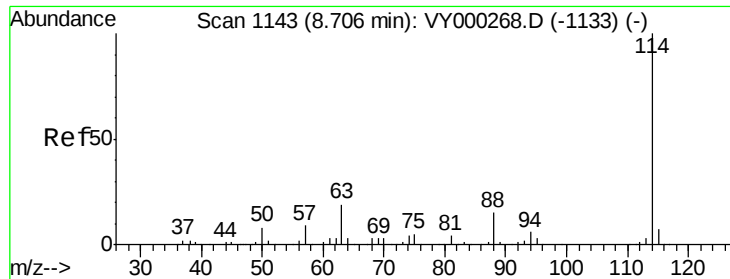
#33
1,2-Dichloroethane-d4
Concen: 52.589 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

Tgt Ion: 65 Resp: 151402
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

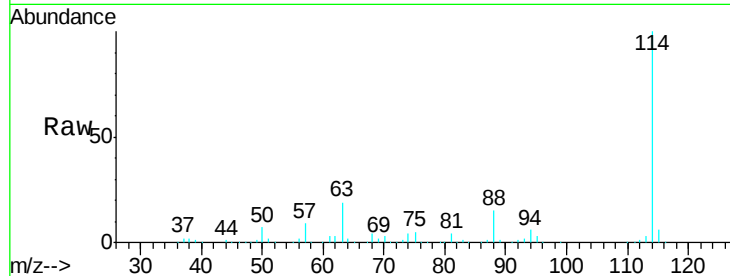




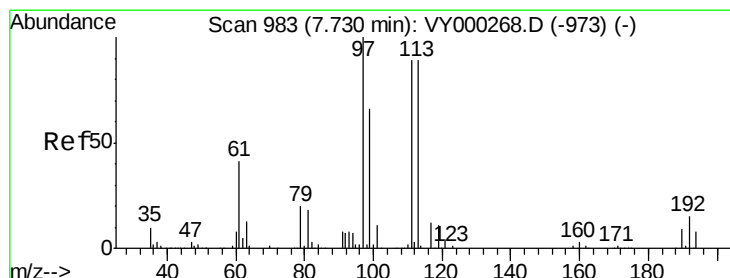
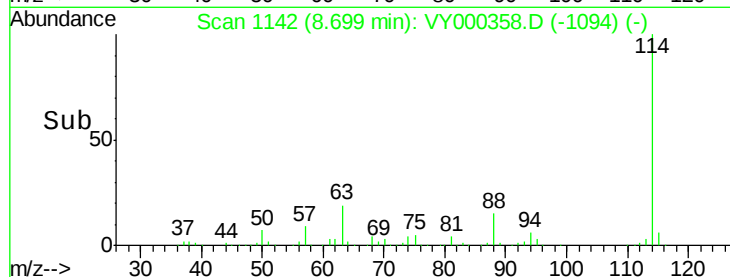
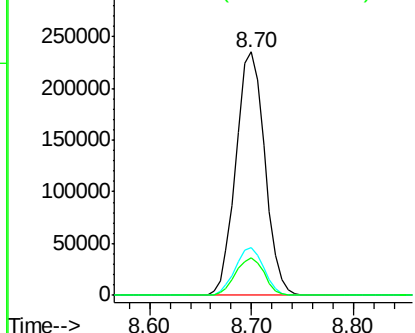
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000358.D
 Acq: 22 Oct 2019 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1022SBL01

Tgt Ion:114 Resp: 462814
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.2
 88 15.2 0.0 30.2

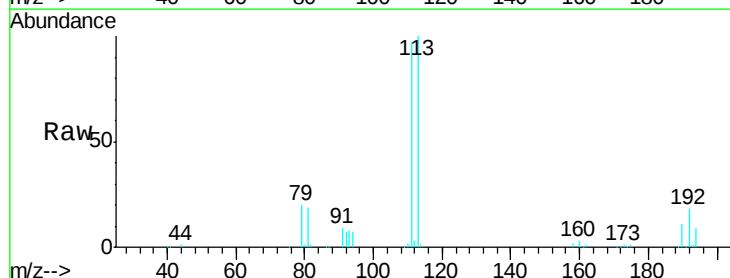


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

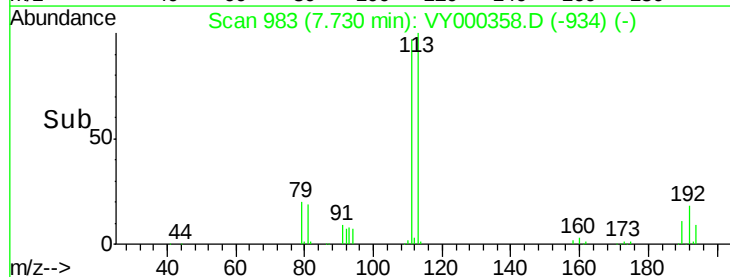
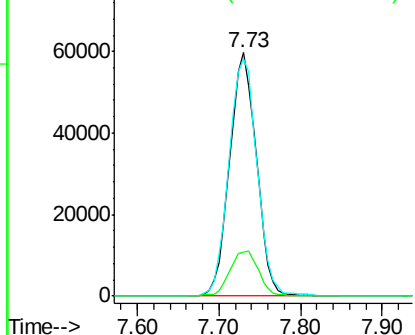


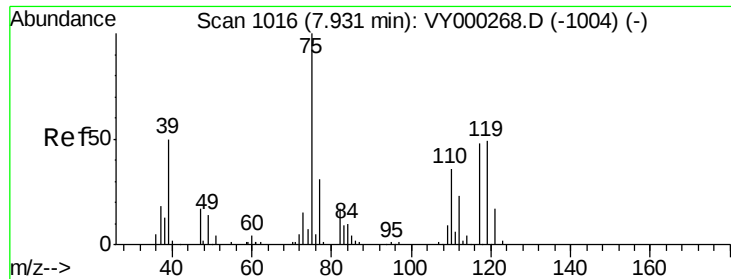
#35
 Dibromofluoromethane
 Concen: 48.480 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000358.D
 Acq: 22 Oct 2019 12:21

Tgt Ion:113 Resp: 135343
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 19.6 15.3 22.9



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

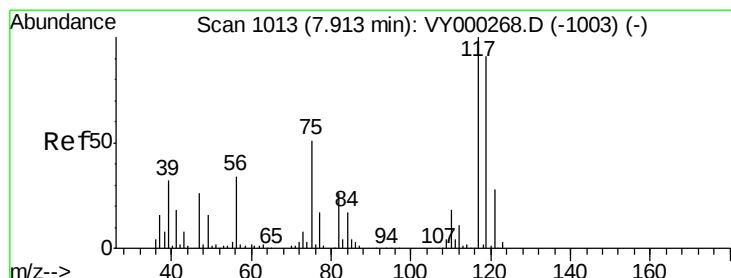
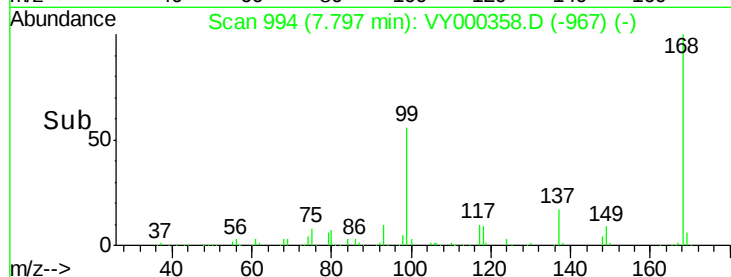
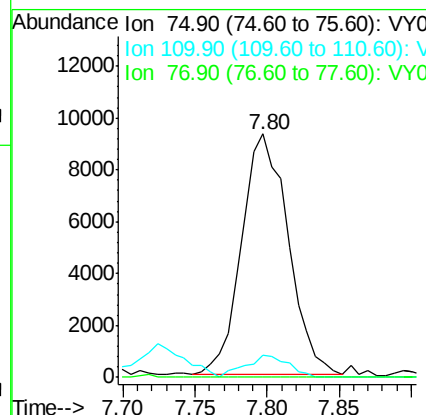
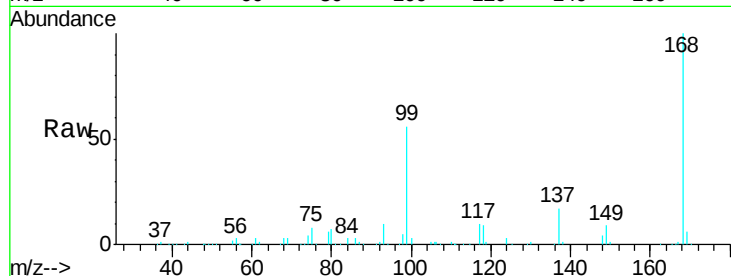




#36
 1,1-Dichloropropene
 Concen: 4.624 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000358.D
 Acq: 22 Oct 2019 12:21

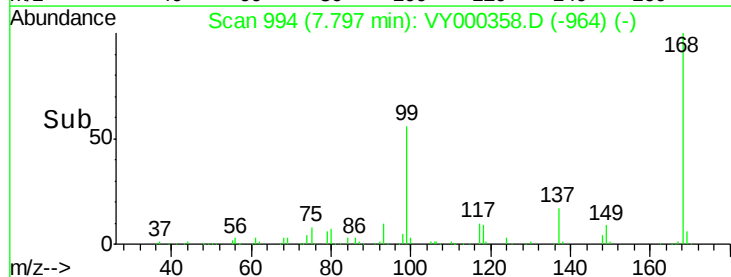
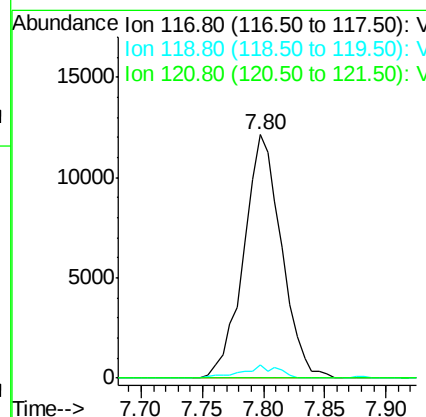
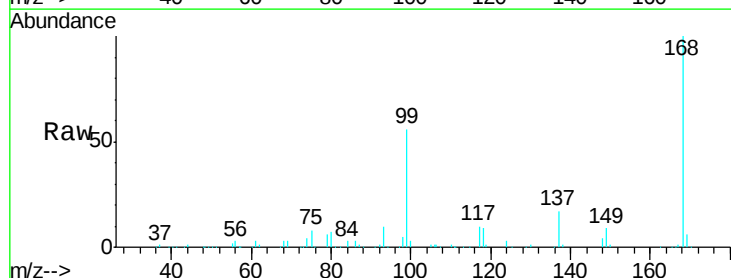
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1022SBL01

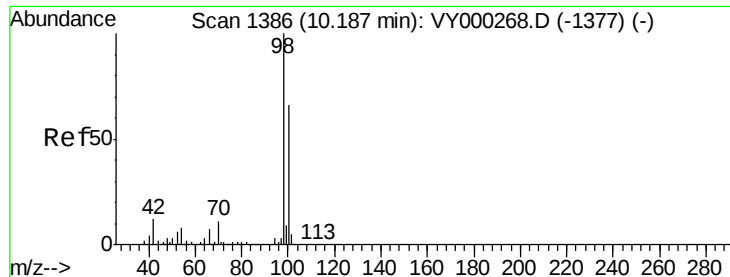
Tgt Ion: 75 Resp: 20951
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.940 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000358.D
 Acq: 22 Oct 2019 12:21

Tgt Ion: 117 Resp: 26060
 Ion Ratio Lower Upper
 117 100
 119 5.4 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 48.713 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000358.D

Acq: 22 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

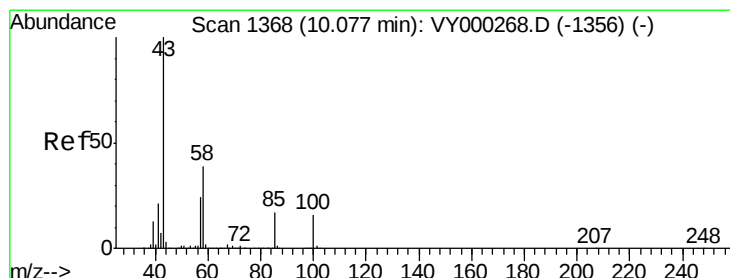
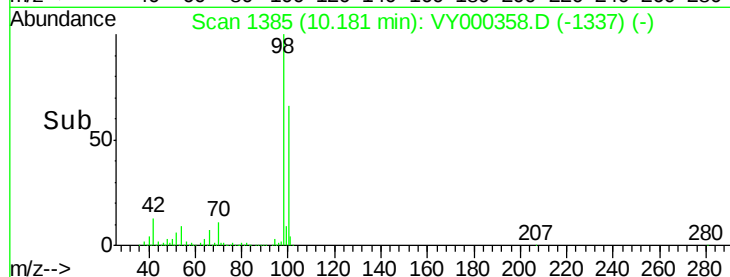
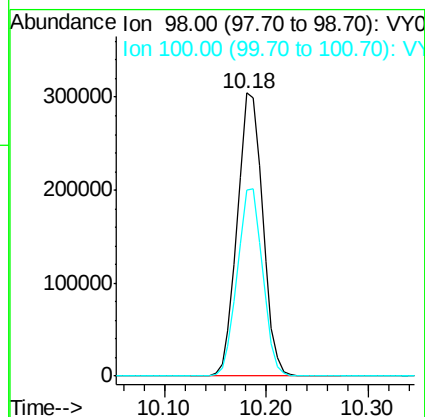
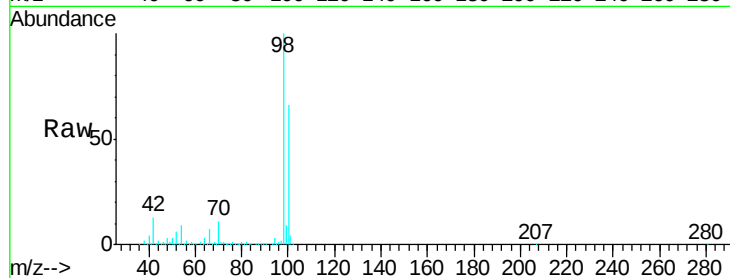
VY1022SBL01

Tgt Ion: 98 Resp: 523133

Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 1.134 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY000358.D

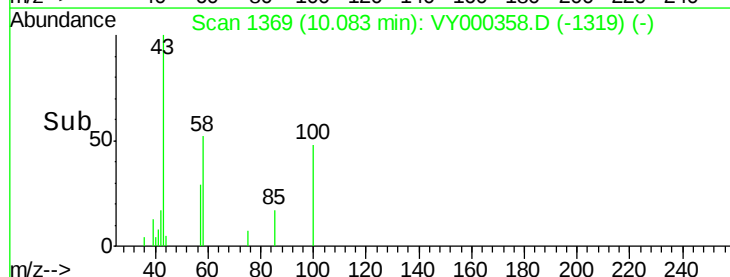
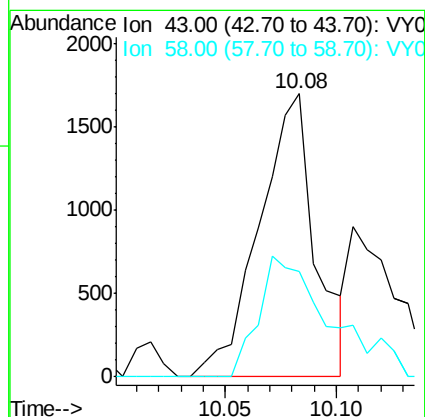
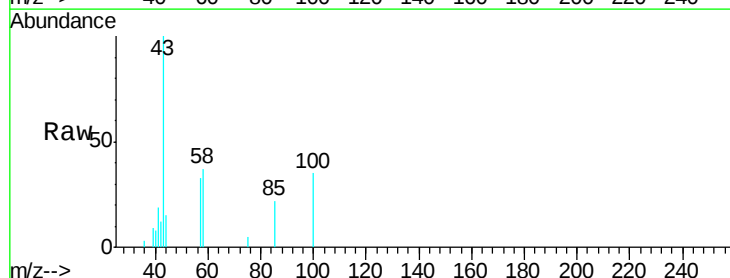
Acq: 22 Oct 2019 12:21

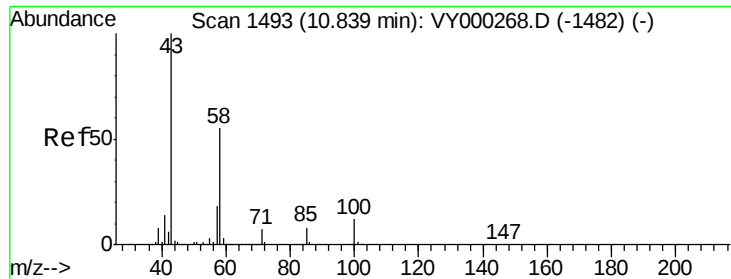
Tgt Ion: 43 Resp: 2983

Ion Ratio Lower Upper

43 100

58 54.5 31.0 46.6#

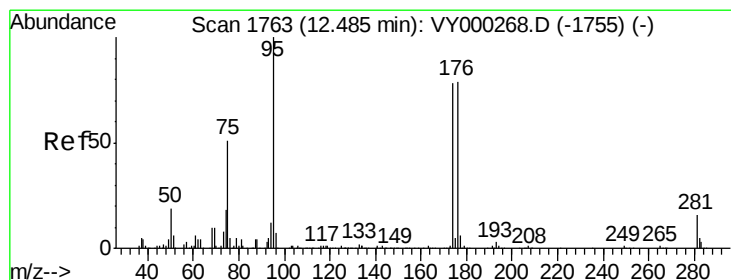
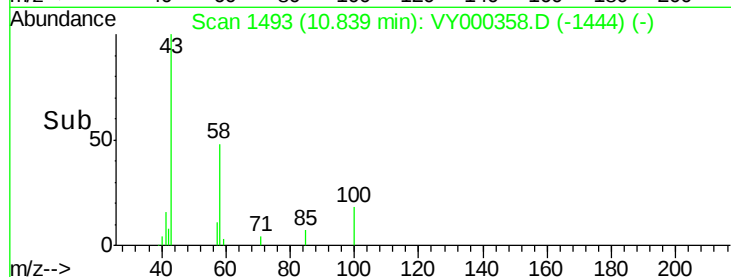
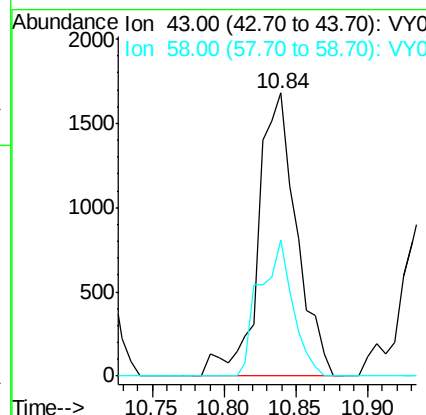
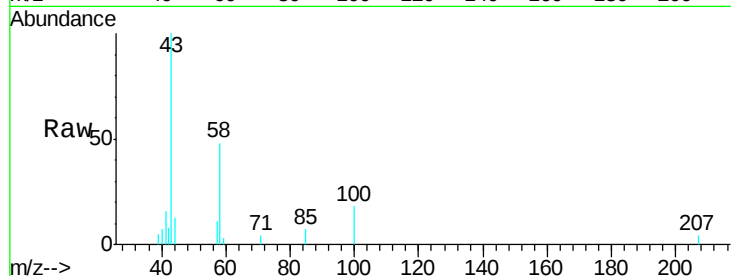




#59
2-Hexanone
Concen: 1.671 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

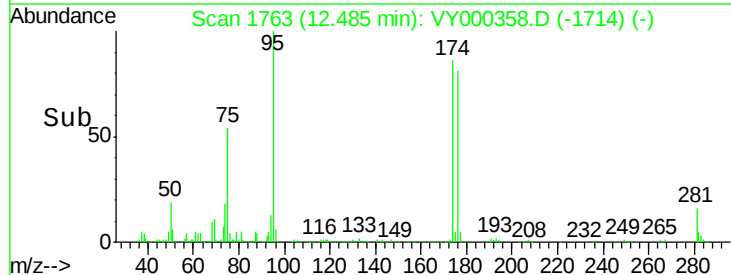
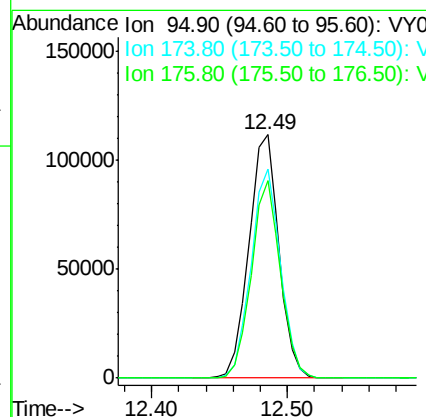
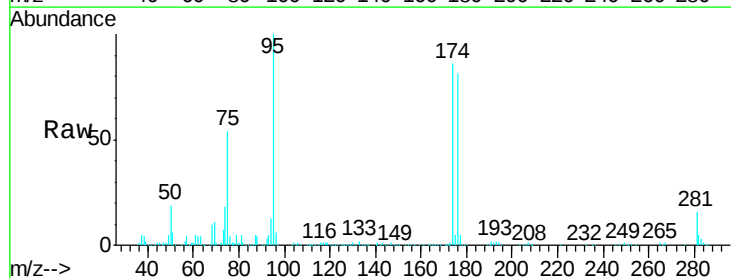
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

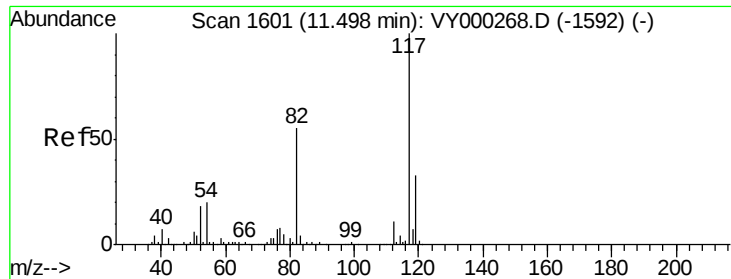
Tgt Ion: 43 Resp: 3087
Ion Ratio Lower Upper
43 100
58 41.9 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 42.213 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

Tgt Ion: 95 Resp: 172223
Ion Ratio Lower Upper
95 100
174 84.8 0.0 159.6
176 79.1 0.0 153.8

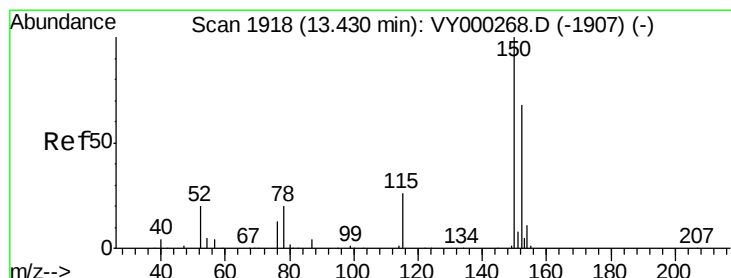
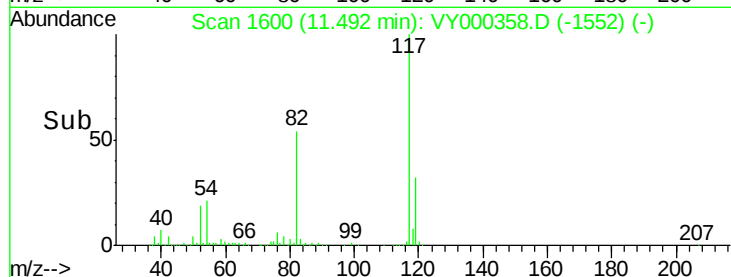
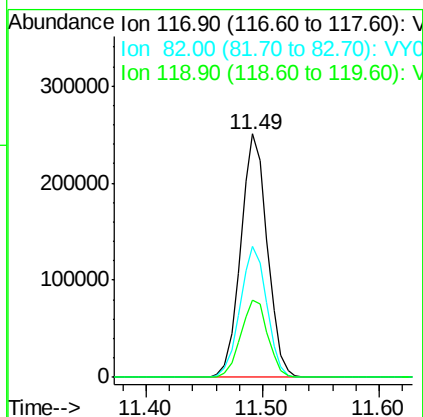
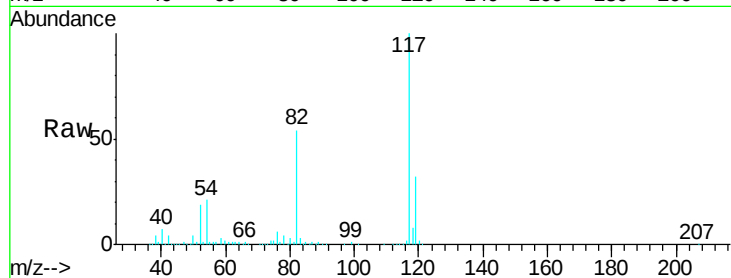




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

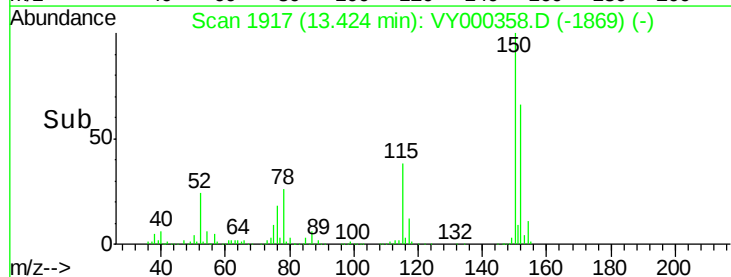
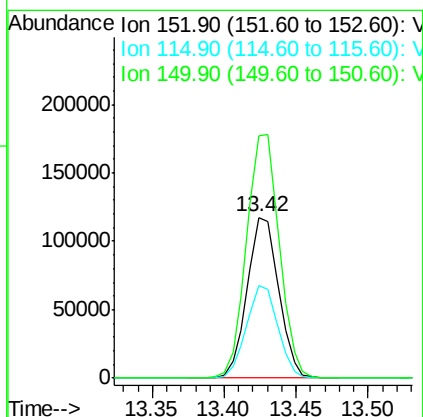
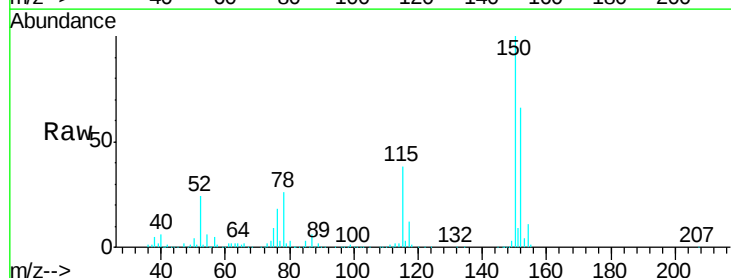
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

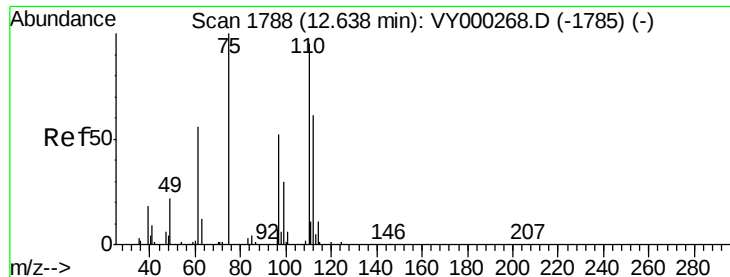
Tgt Ion:117 Resp: 398422
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000358.D
Acq: 22 Oct 2019 12:21

Tgt Ion:152 Resp: 177604
Ion Ratio Lower Upper
152 100
115 57.9 29.3 88.0
150 157.1 0.0 348.4

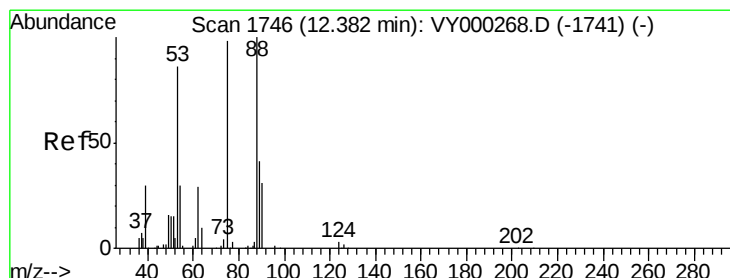
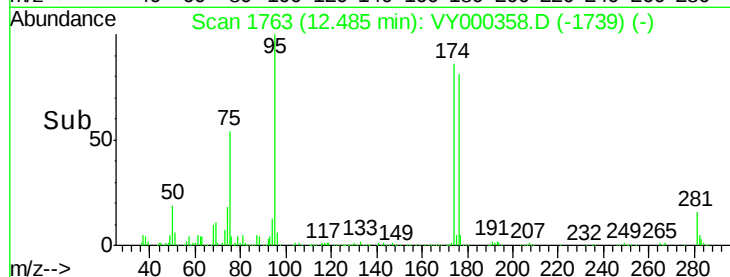
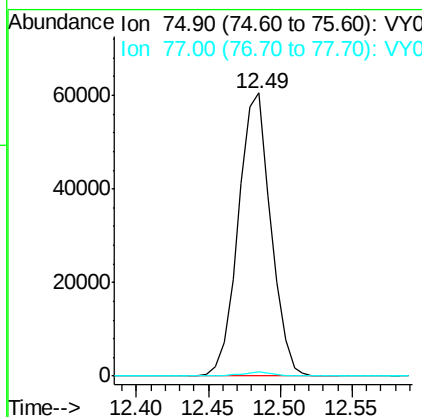
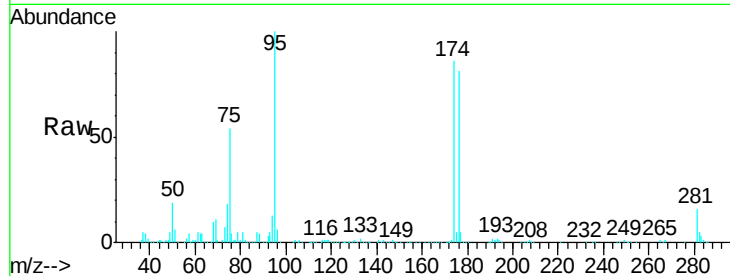




#76
 1,2,3-Trichloropropane
 Concen: 43.217 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY000358.D
 Acq: 22 Oct 2019 12:21

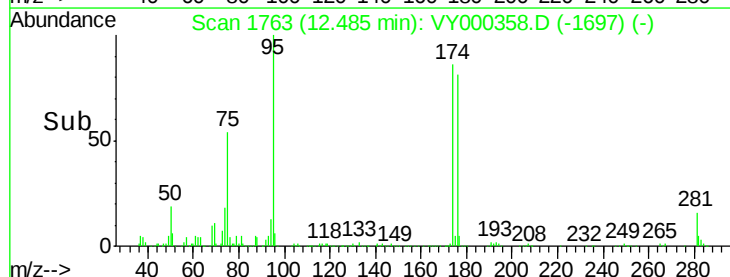
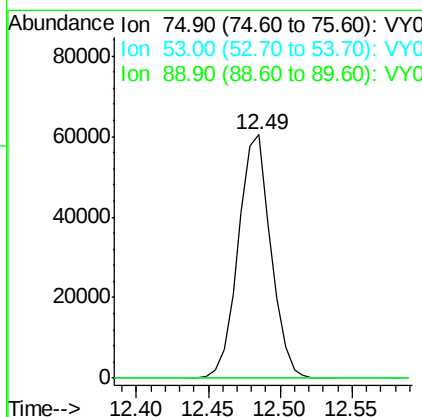
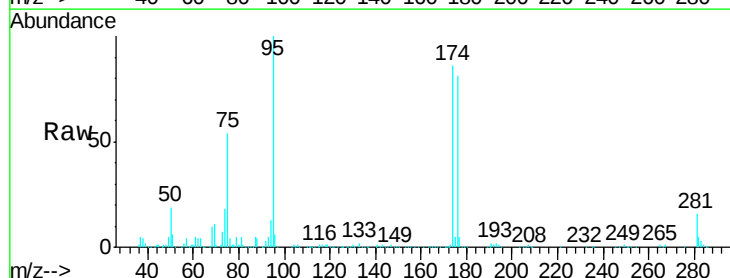
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1022SBL01

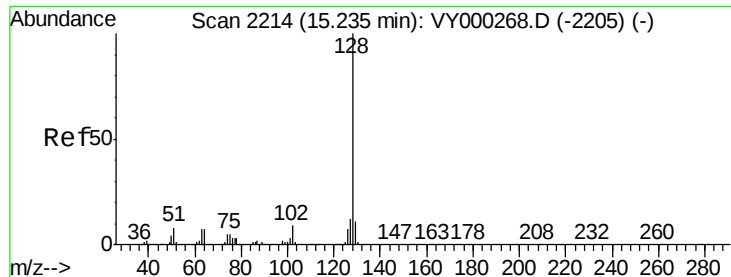
Tgt Ion: 75 Resp: 94382
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.557 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY000358.D
 Acq: 22 Oct 2019 12:21

Tgt Ion: 75 Resp: 94382
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.1 35.1 52.7#





#95

Naphthalene

Concen: 1.360 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000358.D

Acq: 22 Oct 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1022SBL01

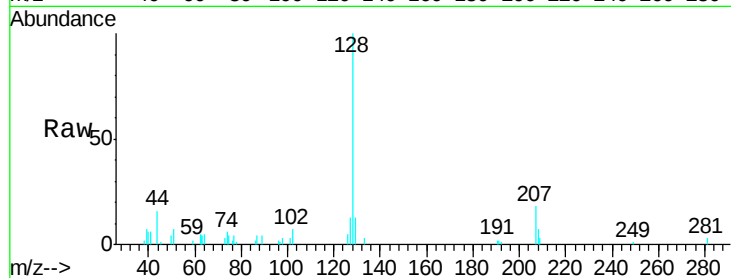
Tgt Ion:128 Resp: 11607

Ion Ratio Lower Upper

128 100

127 11.1 9.6 14.4

129 11.8 8.7 13.1



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

