

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000470.D
 Acq On : 29 Oct 2019 13:33
 Operator : SY/MD
 Sample : K5587-05
 Misc : 6.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 07:18:22 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	25539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	40604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	32898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	14766	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	14437	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
35) Dibromofluoromethane	7.73	113	9809	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	
50) Toluene-d8	10.19	98	43248	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.48	95	14166	39.58	ug/l	0.00
Spiked Amount			Recovery	=	79.16%	

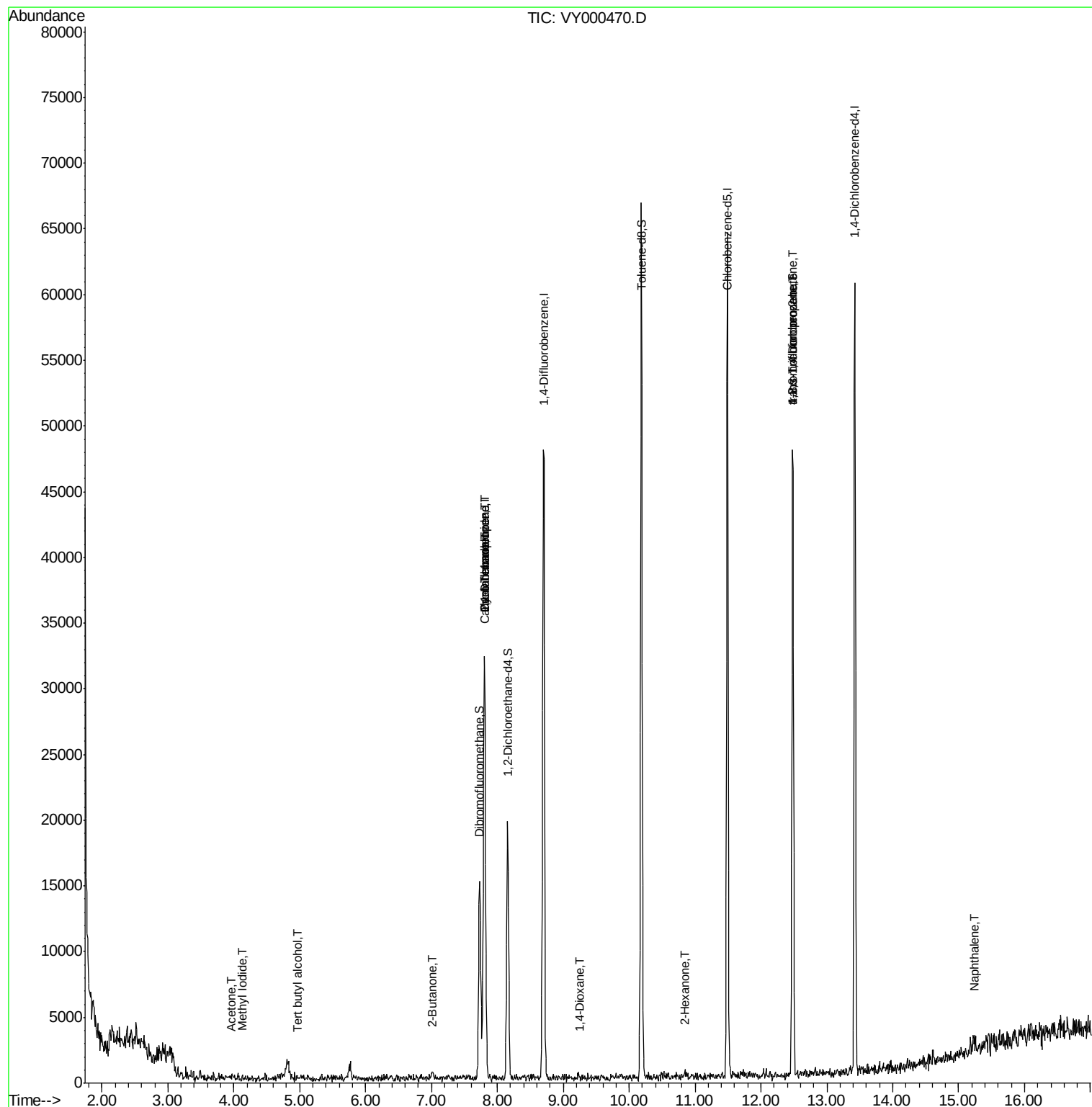
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.13	142	61	1.346	ug/l #	41
11) Tert butyl alcohol	4.97	59	153	5.427	ug/l #	73
16) Acetone	3.96	43	210	2.407	ug/l	92
20) Methylene Chloride	4.71	84	21	Below Cal	#	60
25) 2-Butanone	7.02	43	128	1.042	ug/l #	48
31) Cyclohexane	7.80	56	706	1.370	ug/l #	36
36) 1,1-Dichloropropene	7.80	75	2139	5.381	ug/l #	43
38) Carbon Tetrachloride	7.82	117	2664	6.921	ug/l #	19
49) 1,4-Dioxane	9.25	88	20	8.464	ug/l #	24
59) 2-Hexanone	10.84	43	379	2.339	ug/l #	54
76) 1,2,3-Trichloropropane	12.49	75	8319	45.817	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	8319	100.245	ug/l #	14
95) Naphthalene	15.24	128	861	1.213	ug/l #	76

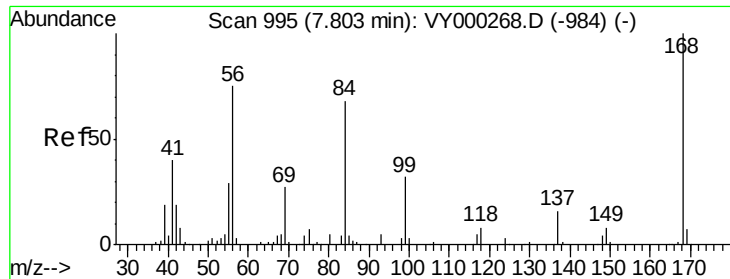
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000470.D

Acq: 29 Oct 2019 13:33

Instrument :

MSVOA_Y

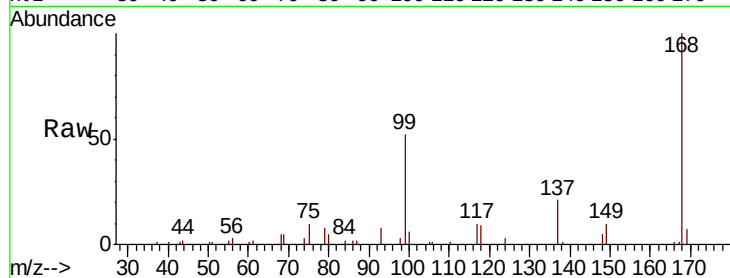
ClientSampled :

Tot Ion:168 Resp: 25539

Ion Ratio Lower Upper

168 100

99 52.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

12000

10000

8000

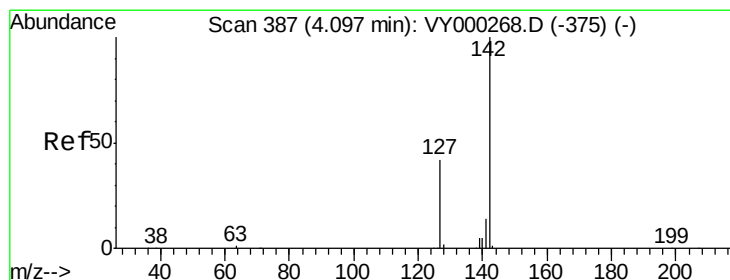
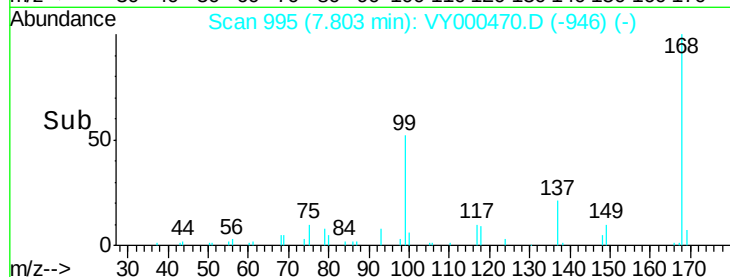
6000

4000

2000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#10

Methyl Iodide

Concen: 1.346 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.03 min

Lab File: VY000470.D

Acq: 29 Oct 2019 13:33

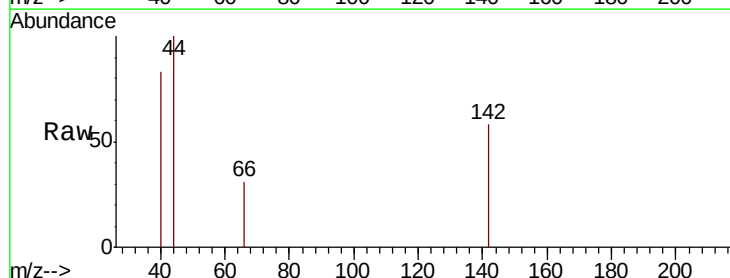
Tgt Ion:142 Resp: 61

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

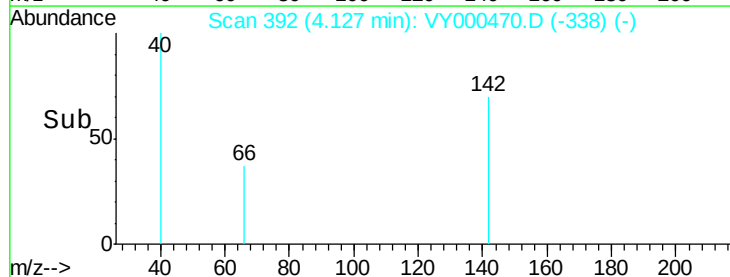
4.13

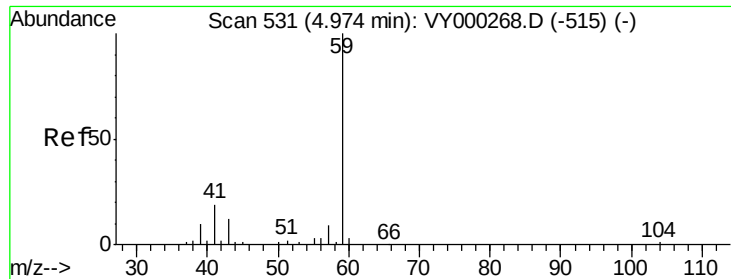
100

50

0

Time--> 4.10 4.12 4.14

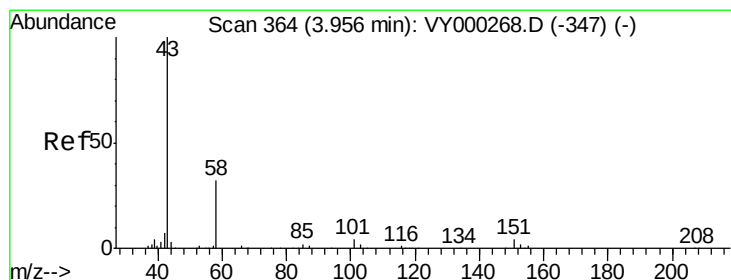
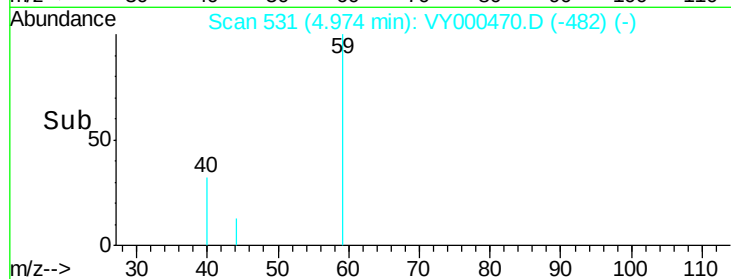
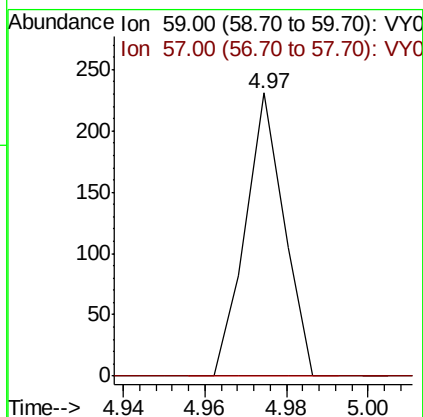
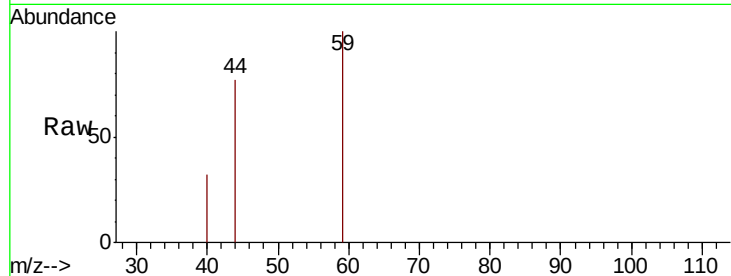




#11
Tert butyl alcohol
Concen: 5.427 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

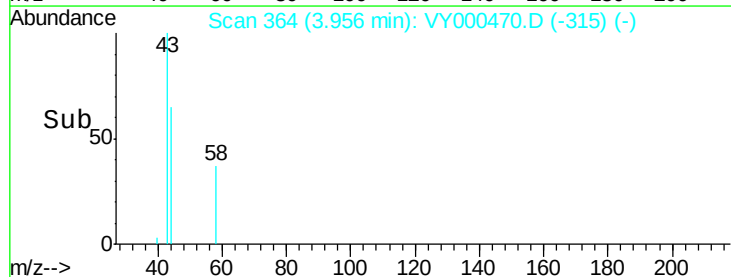
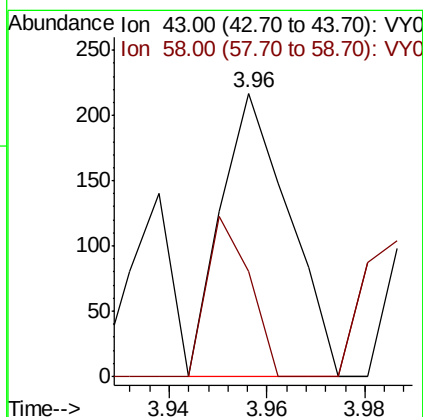
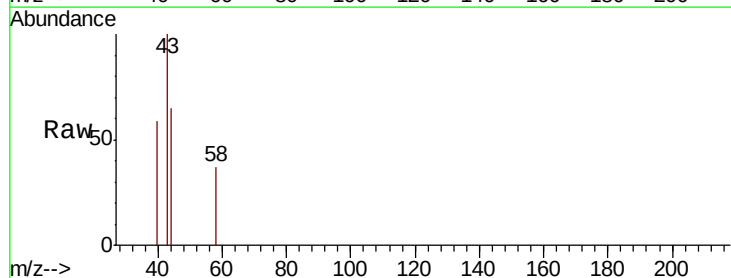
Instrument :
MSVOA_Y
ClientSampled :

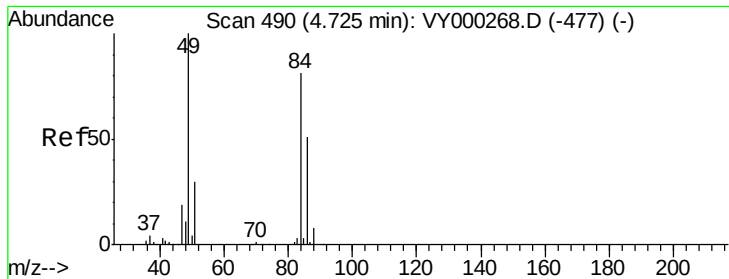
Tot Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 2.407 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 36.9 25.8 38.6

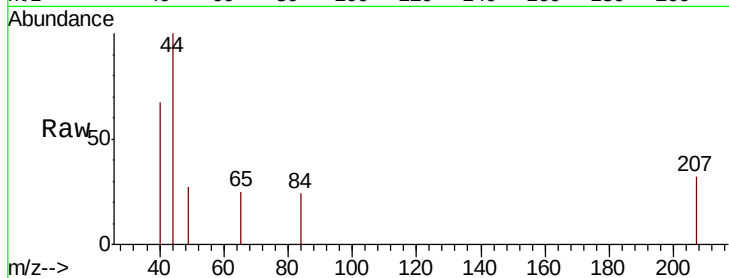




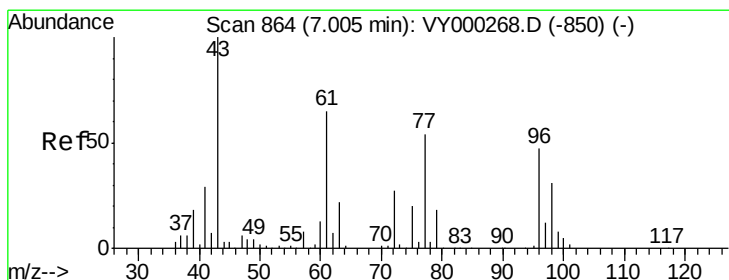
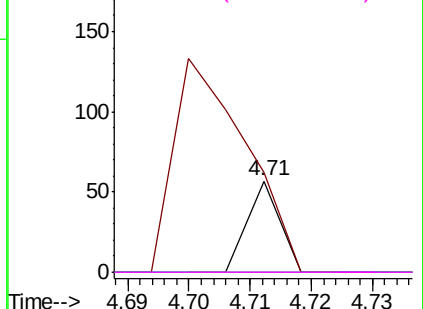
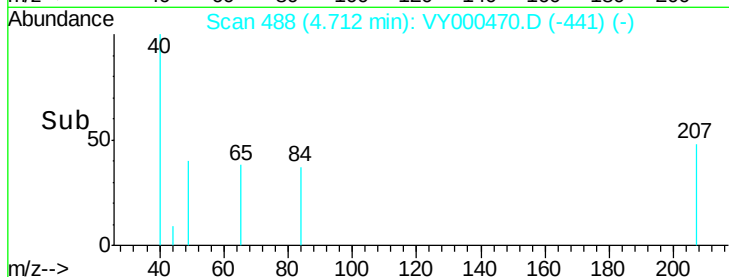
#20
Methylene Chloride
Concen: Below Cal
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 21
Ion Ratio Lower Upper
84 100
49 108.8 99.0 148.4
51 0.0 29.3 43.9#
86 0.0 50.2 75.4#

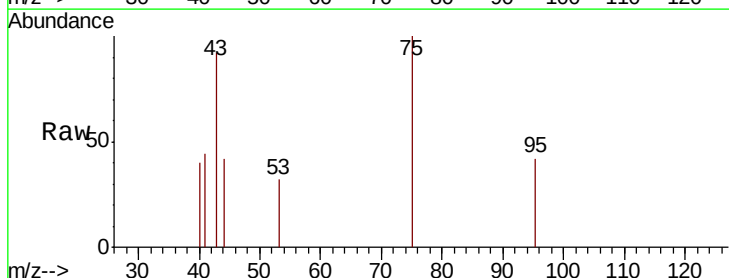


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

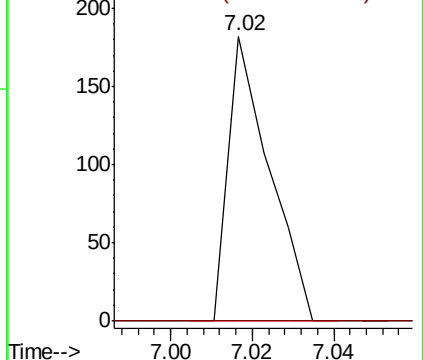
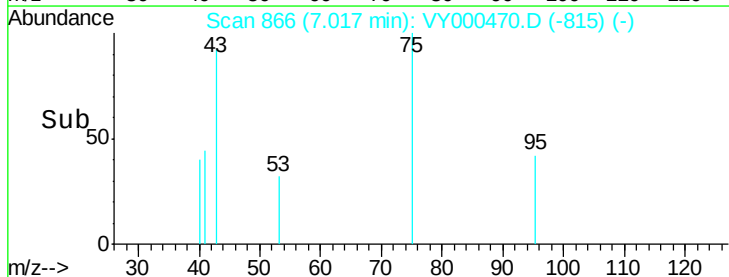


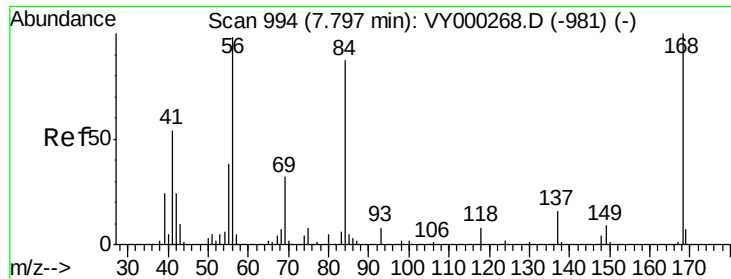
#25
2-Butanone
Concen: 1.042 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

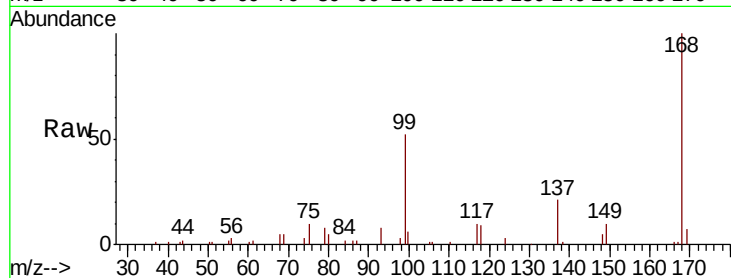




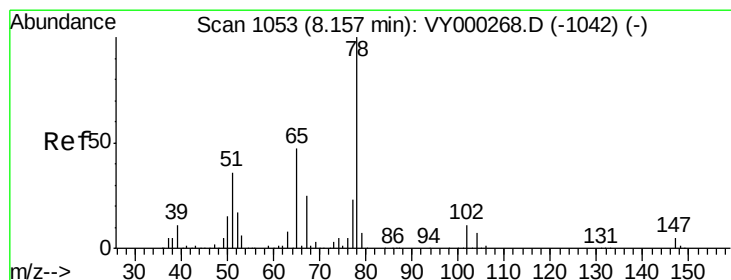
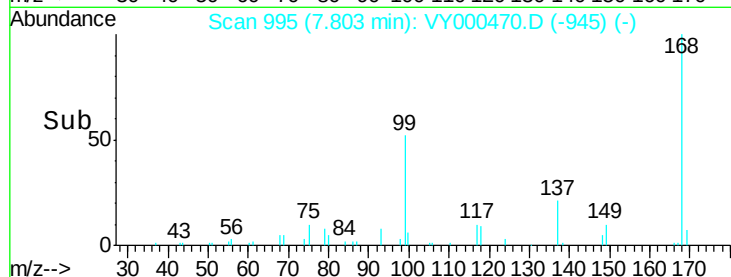
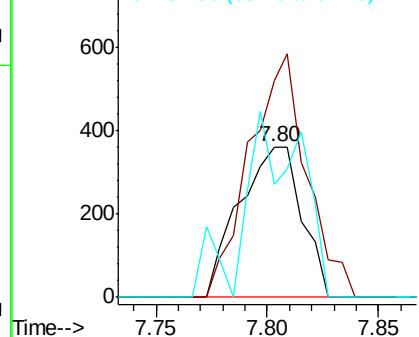
#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 706
Ion Ratio Lower Upper
56 100
69 144.3 26.3 39.5#
84 75.1 70.8 106.2

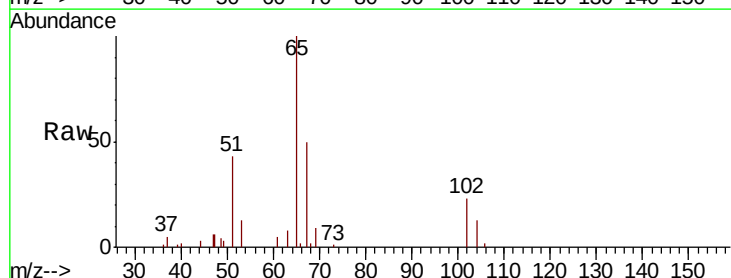


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

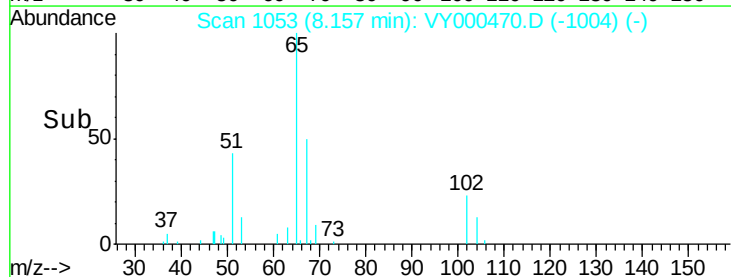
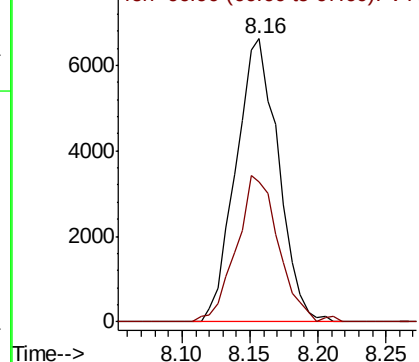


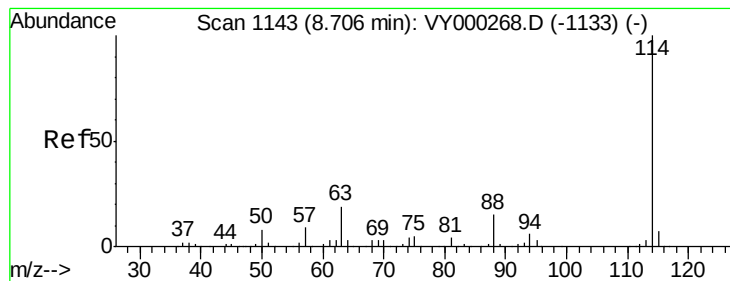
#33
1,2-Dichloroethane-d4
Concen: 53.590 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Tgt Ion: 65 Resp: 14437
Ion Ratio Lower Upper
65 100
67 50.8 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: VY000470.D

Acq: 29 Oct 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

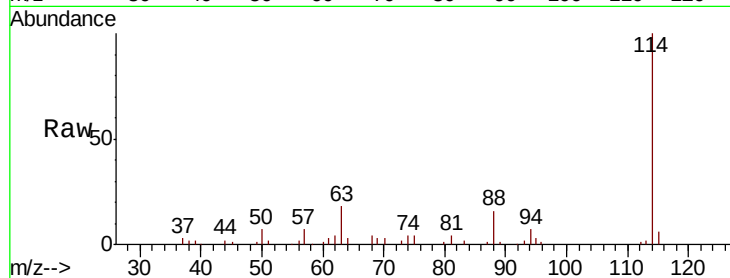
Tot Ion:114 Resp: 40604

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.2

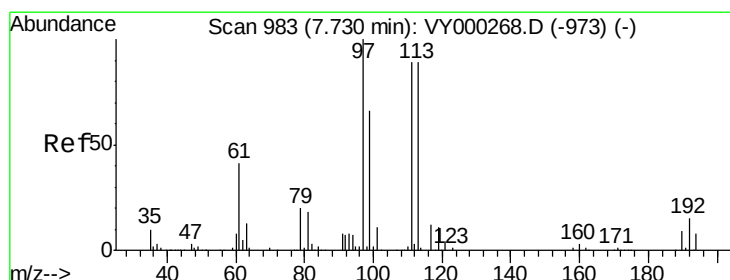
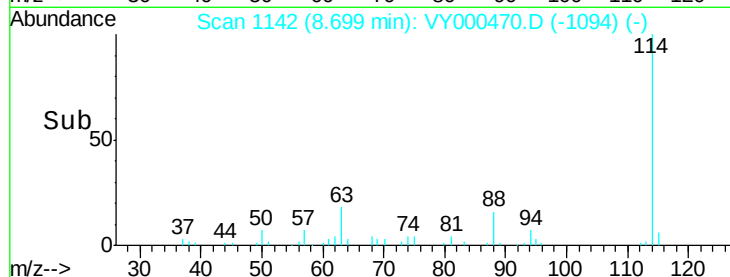
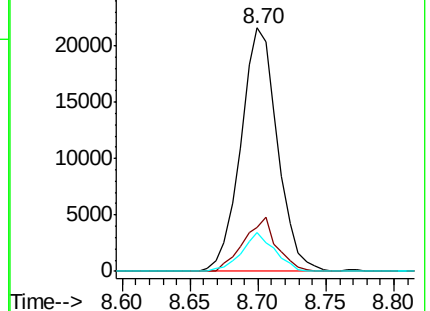
88 16.0 0.0 30.2



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: 40.049 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000470.D

Acq: 29 Oct 2019 13:33

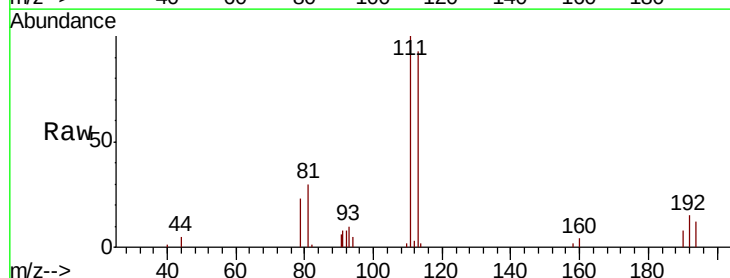
Tgt Ion:113 Resp: 9809

Ion Ratio Lower Upper

113 100

111 108.7 81.6 122.4

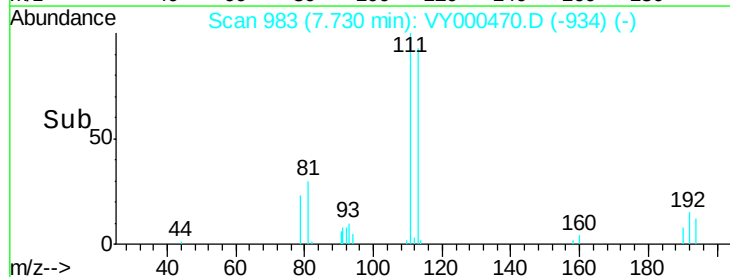
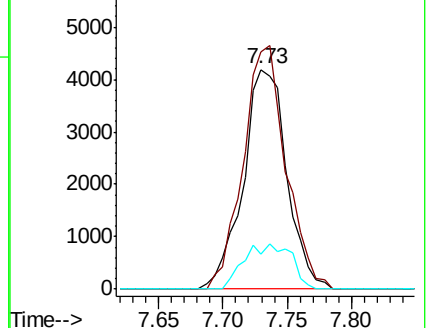
192 22.6 15.3 22.9

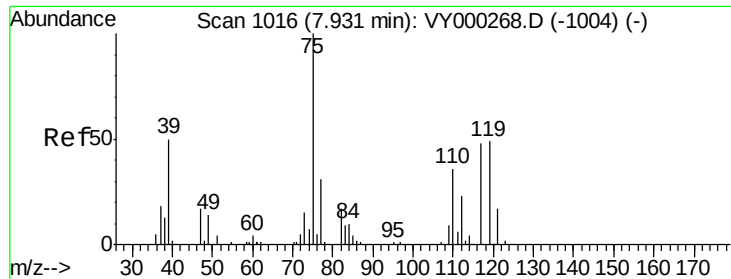


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

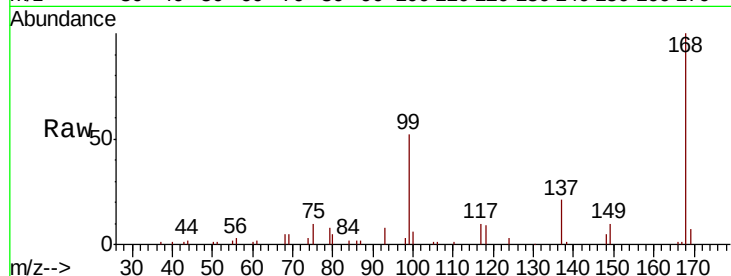




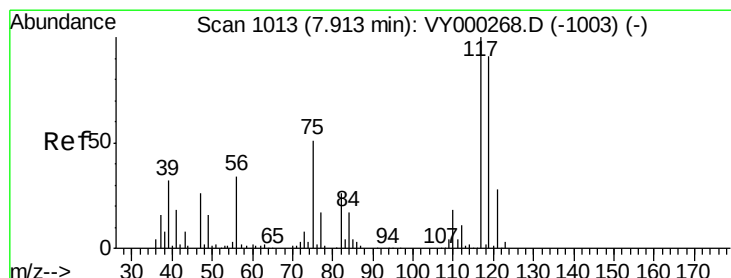
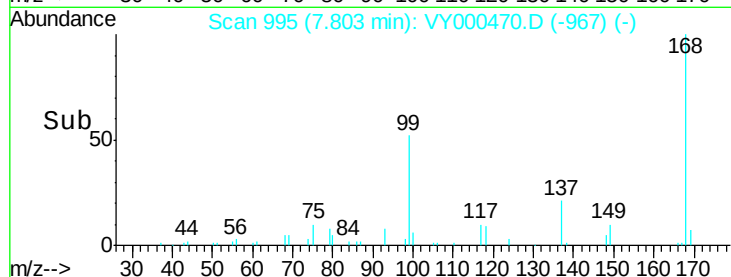
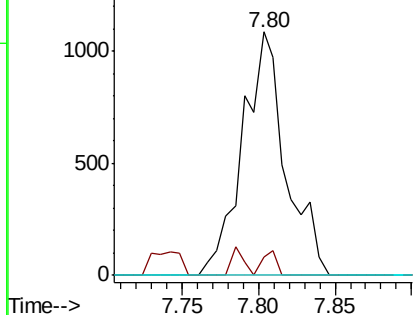
#36
 1,1-Dichloropropene
 Concen: 5.381 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000470.D
 Acq: 29 Oct 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.4	18.4	55.4#
77	0.0	25.0	37.6#

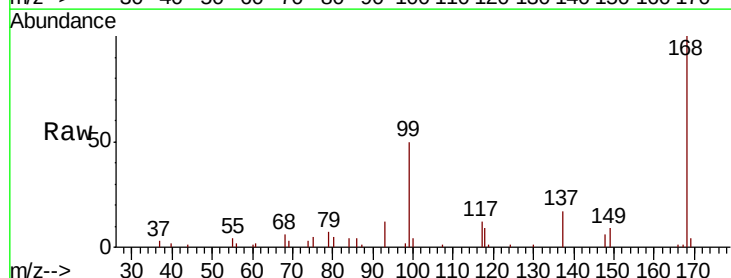


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

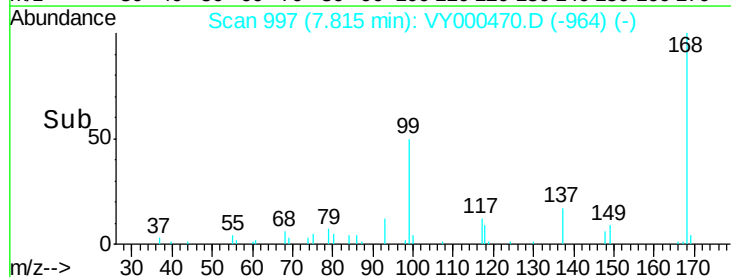
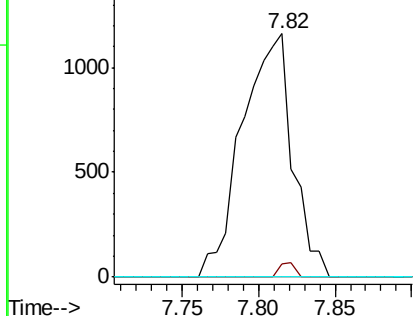


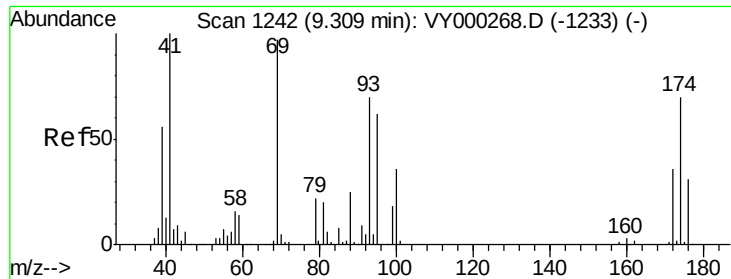
#38
 Carbon Tetrachloride
 Concen: 6.921 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY000470.D
 Acq: 29 Oct 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	72.8	109.2#
121	0.0	22.2	33.2#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0

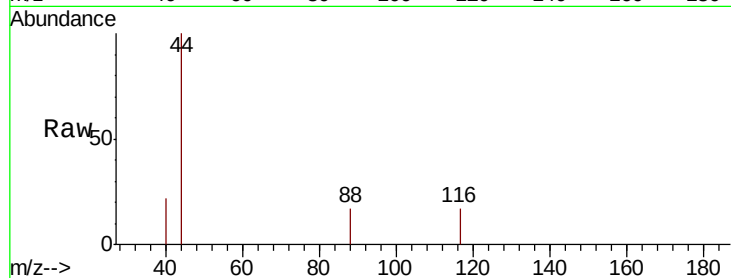




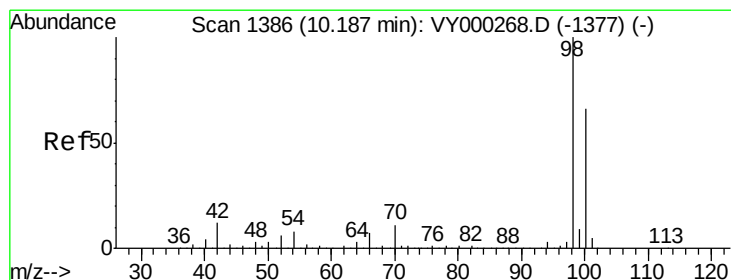
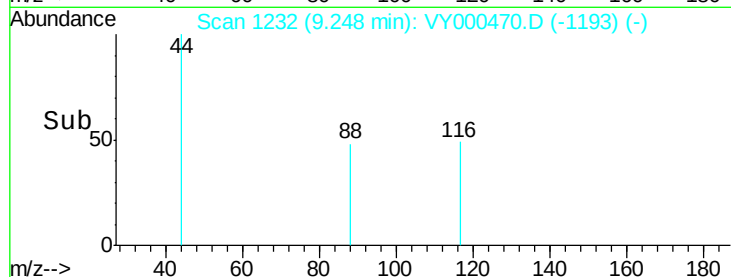
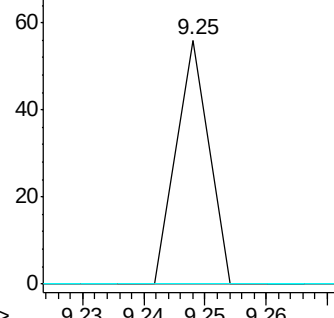
#49
1,4-Dioxane
Concen: 8.464 ug/l
RT: 9.25 min Scan# 1232
Delta R.T. -0.06 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 0.0 54.6 81.8#

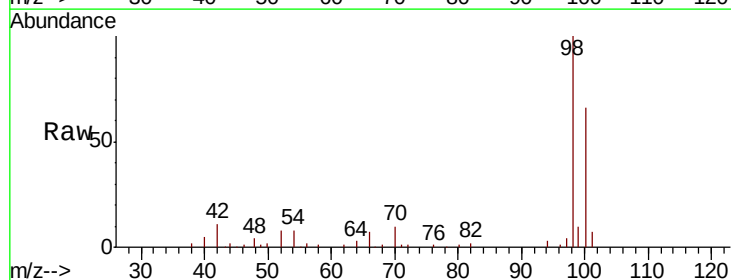


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

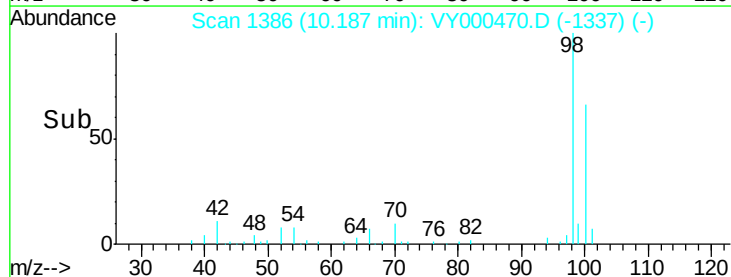
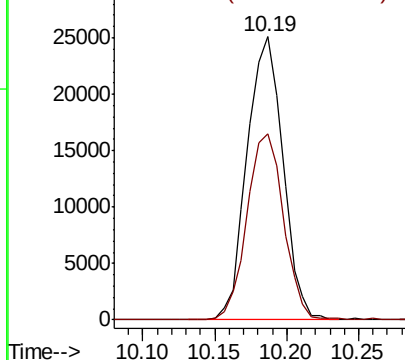


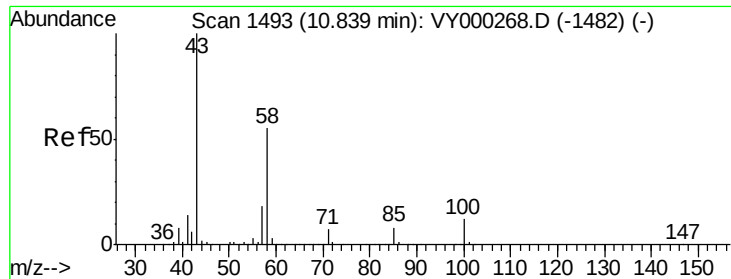
#50
Toluene-d8
Concen: 45.903 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Tgt Ion: 98 Resp: 43248
Ion Ratio Lower Upper
98 100
100 67.2 52.8 79.2



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

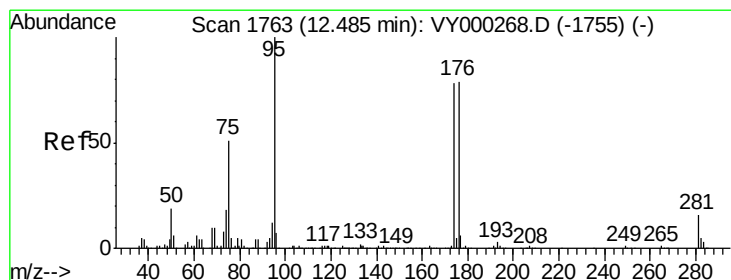
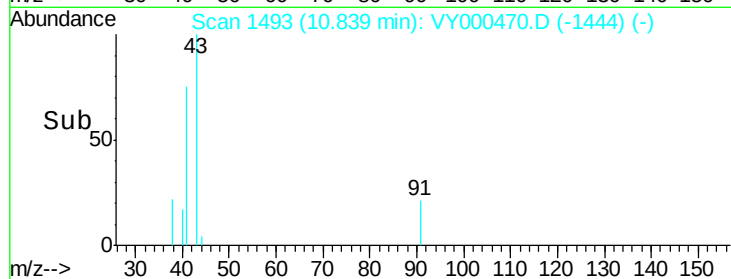
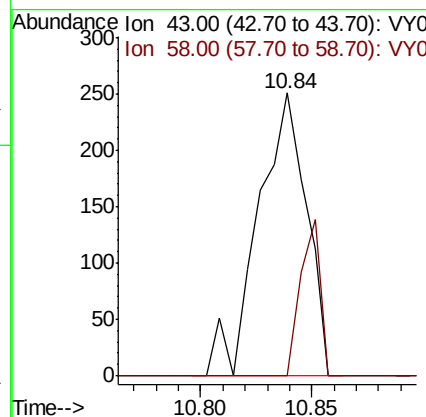
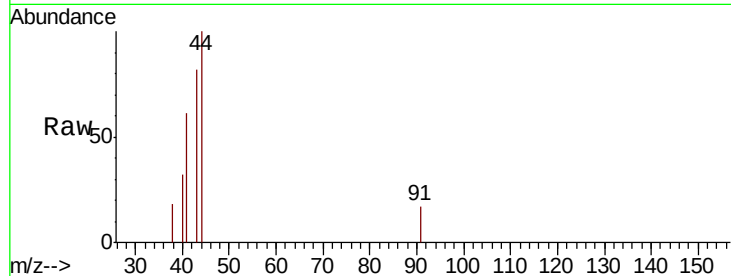




#59
2-Hexanone
Concen: 2.339 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

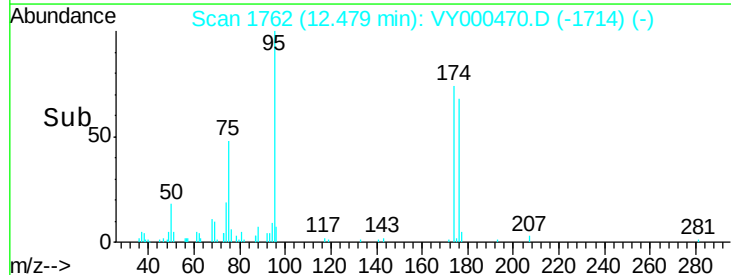
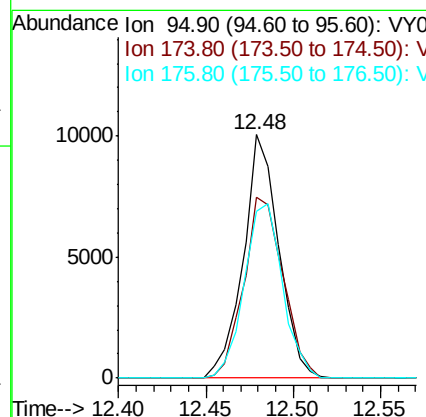
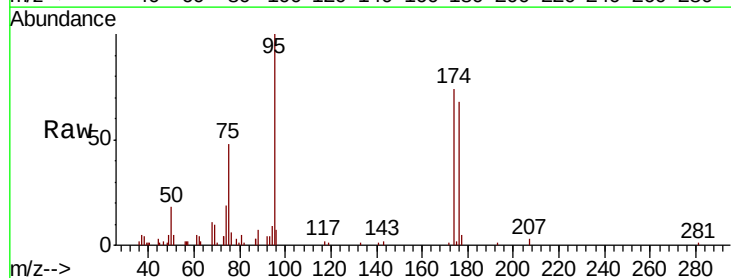
Instrument :
MSVOA_Y
ClientSampleId :

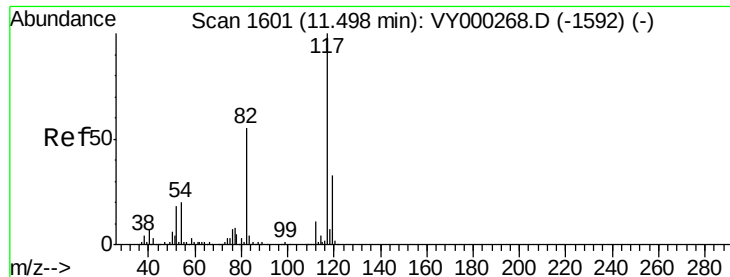
Tot Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
58 22.2 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 39.576 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Tgt Ion: 95 Resp: 14166
Ion Ratio Lower Upper
95 100
174 82.4 0.0 159.6
176 77.3 0.0 153.8

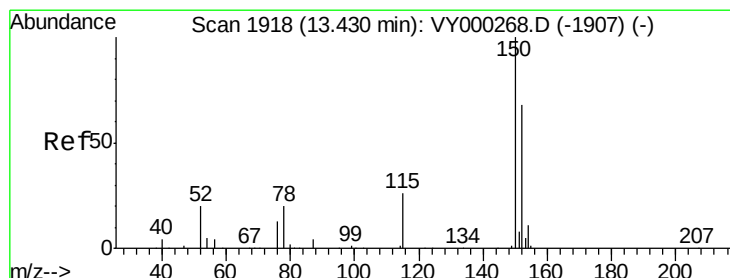
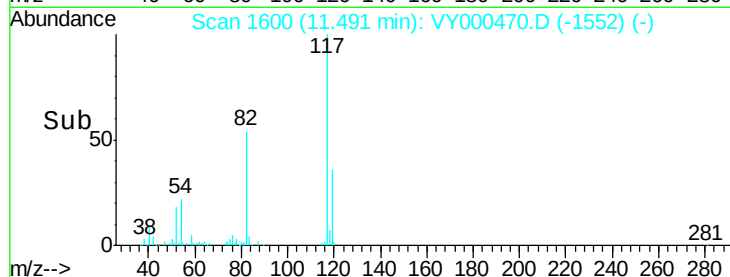
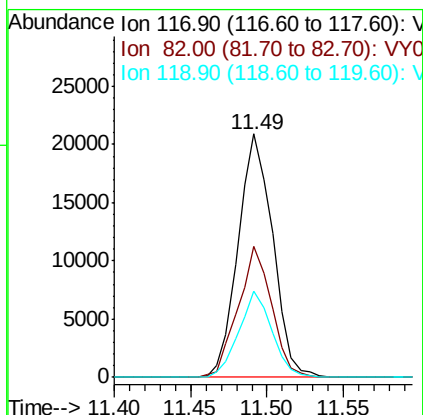
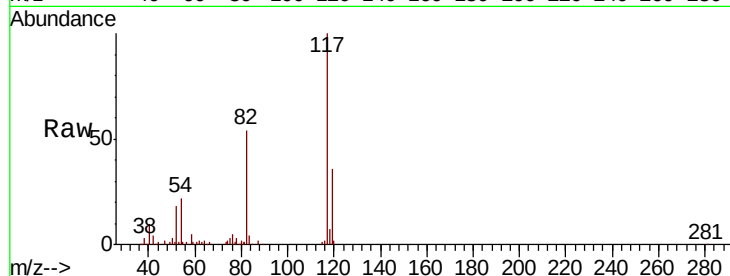




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

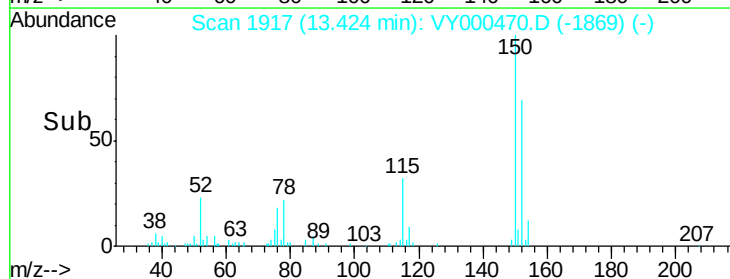
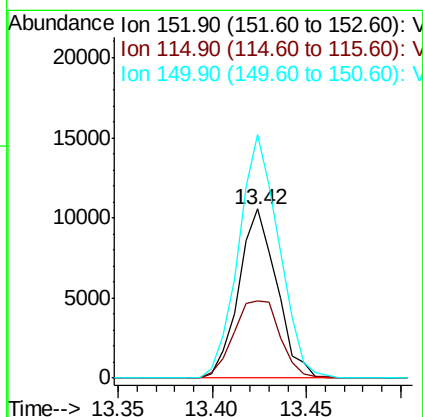
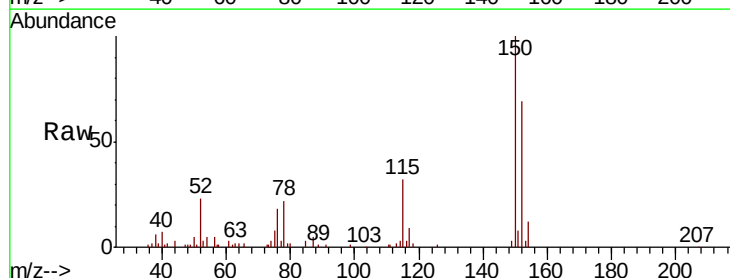
Instrument :
MSVOA_Y
ClientSampleId :

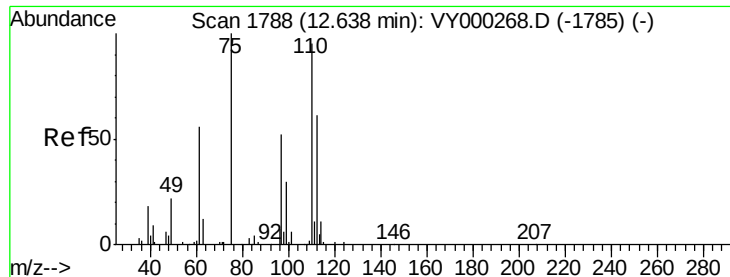
Tot Ion:117 Resp: 32898
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 35.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000470.D
Acq: 29 Oct 2019 13:33

Tgt Ion:152 Resp: 14766
Ion Ratio Lower Upper
152 100
115 55.9 29.3 88.0
150 153.0 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 45.817 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY000470.D

Acq: 29 Oct 2019 13:33

Instrument :

MSVOA_Y

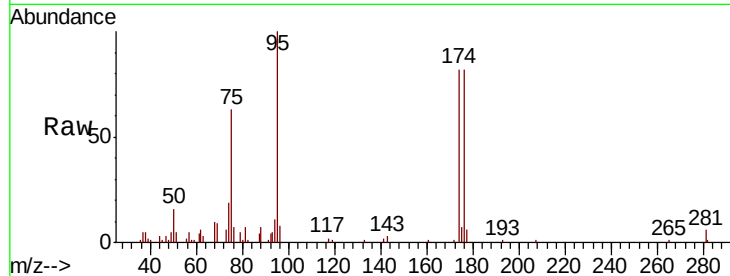
ClientSampleId :

Tot Ion: 75 Resp: 8319

Ion Ratio Lower Upper

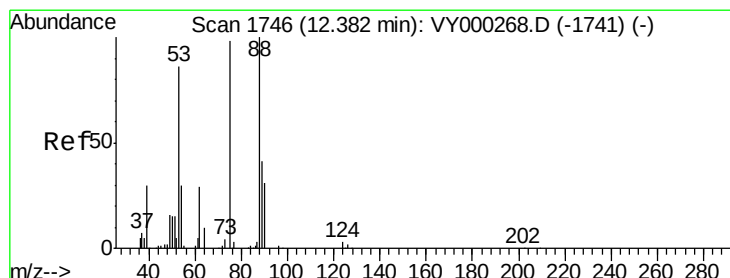
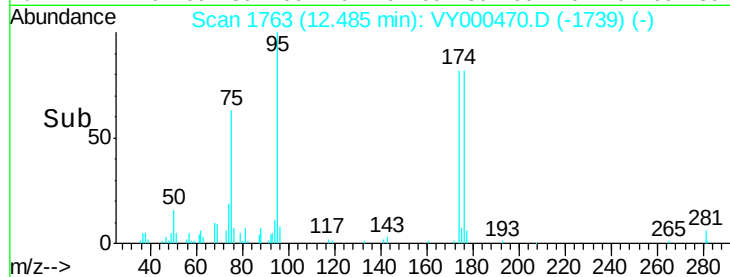
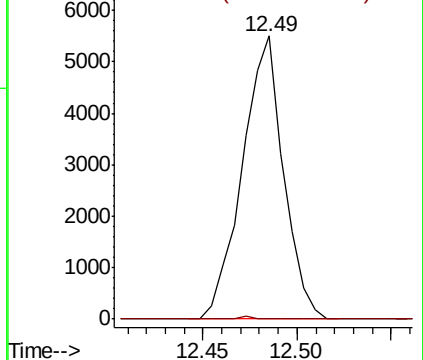
75 100

77 0.3 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: 100.245 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY000470.D

Acq: 29 Oct 2019 13:33

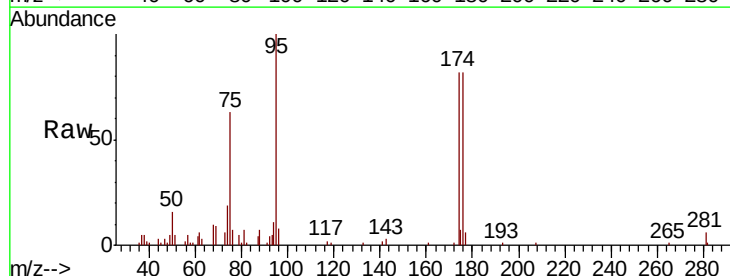
Tgt Ion: 75 Resp: 8319

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

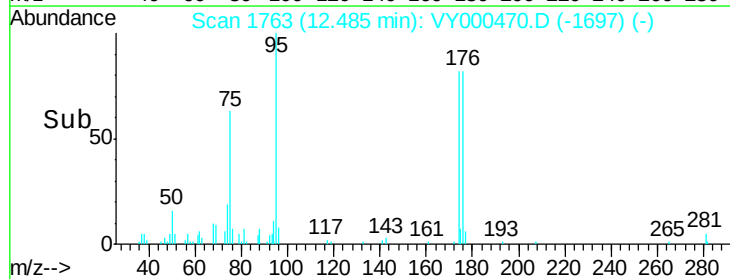
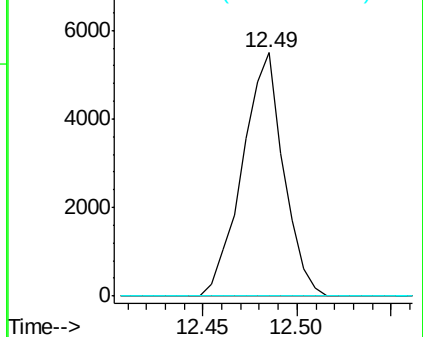
89 0.0 35.1 52.7#

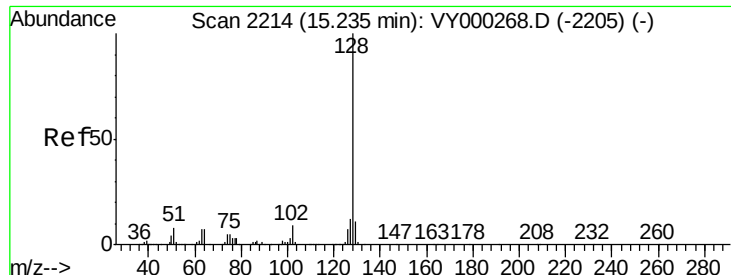


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.213 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY000470.D

Acq: 29 Oct 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

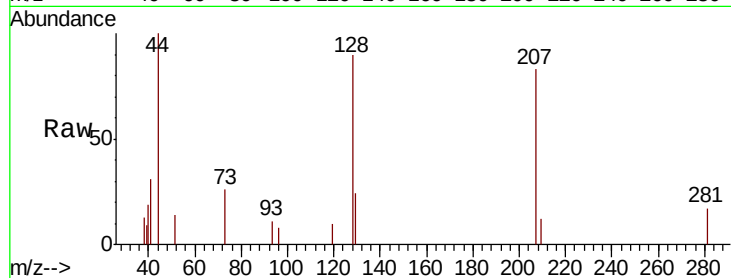
Tot Ion:128 Resp: 861

Ion Ratio Lower Upper

128 100

127 0.0 9.6 14.4#

129 17.1 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

