

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000472.D
 Acq On : 29 Oct 2019 14:19
 Operator : SY/MD
 Sample : K5587-08
 Misc : 5.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 07:18:45 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	190636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	336030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	293752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	123040	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	111804	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	7.73	113	102620	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.18	98	383681	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.48	95	121502	41.02	ug/l	0.00
Spiked Amount			Recovery	=	82.04%	

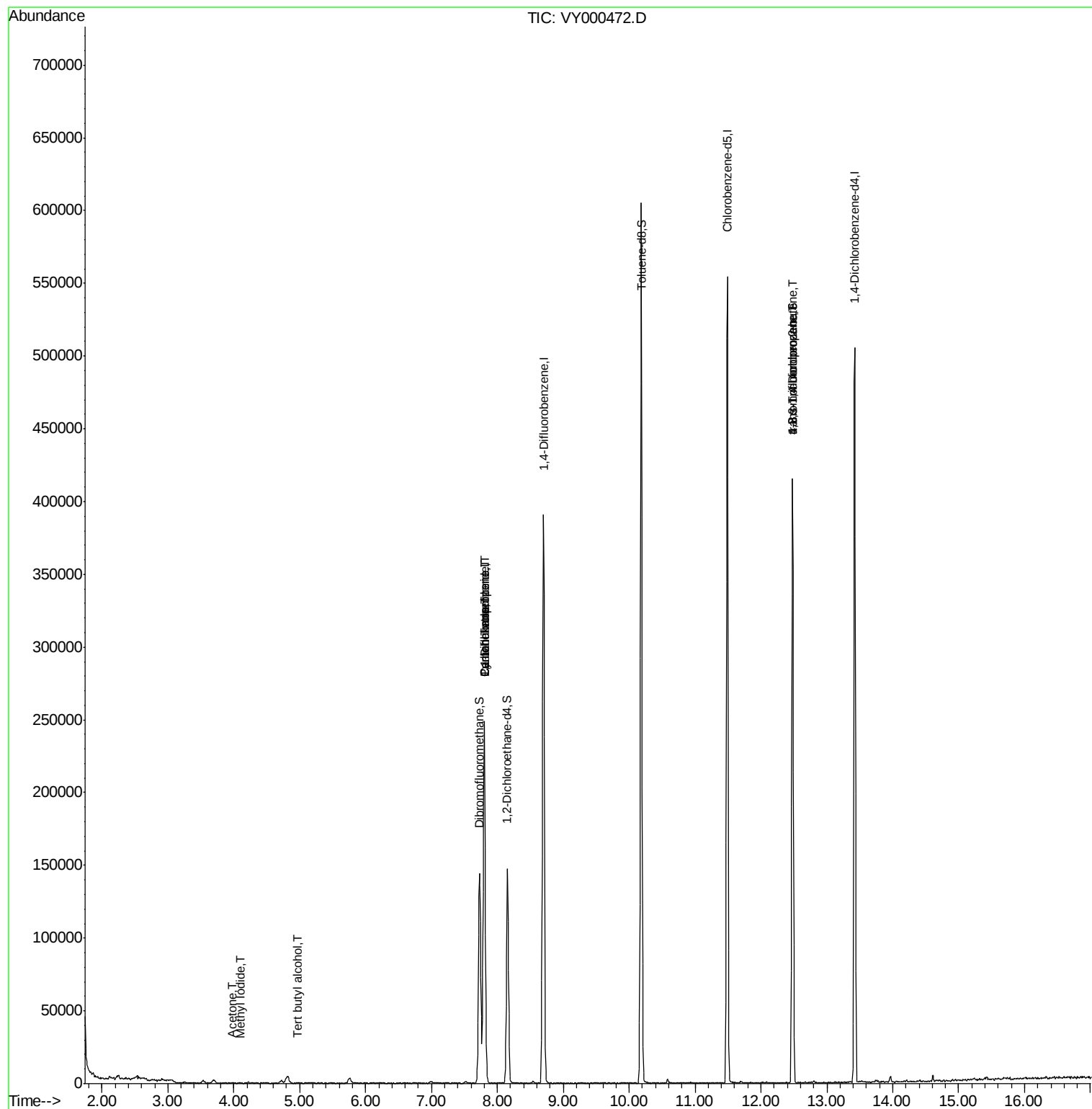
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	53	Below Cal	#	41
10) Methyl Iodide	4.10	142	25	1.195	ug/l #	41
11) Tert butyl alcohol	4.97	59	539	2.561	ug/l	96
16) Acetone	3.97	43	694	1.066	ug/l #	42
20) Methylene Chloride	4.73	84	1216	Below Cal		90
31) Cyclohexane	7.80	56	4193	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14729	4.477	ug/l #	50
38) Carbon Tetrachloride	7.80	117	18296	5.744	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	64544	42.660	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	64544	93.339	ug/l #	14

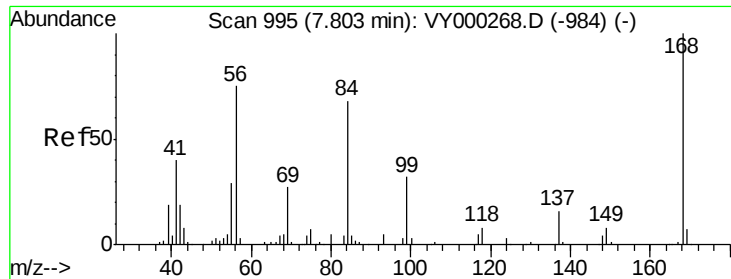
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
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: VY000472.D

Acq: 29 Oct 2019 14:19

Instrument :

MSVOA_Y

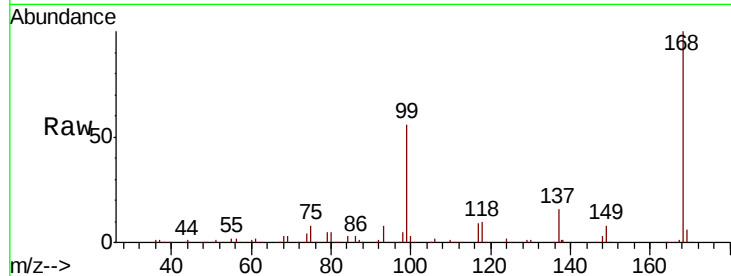
ClientSampleId :

Tot Ion:168 Resp: 190636

Ion Ratio Lower Upper

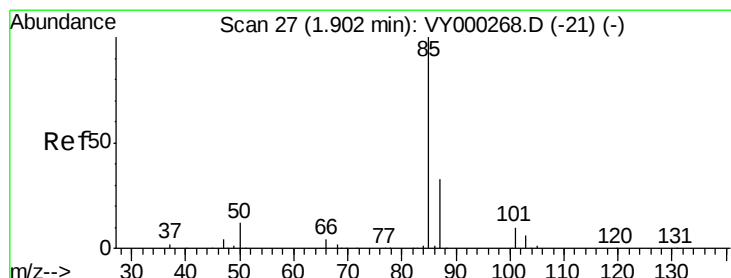
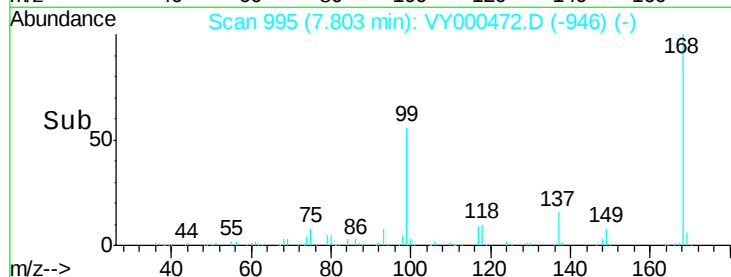
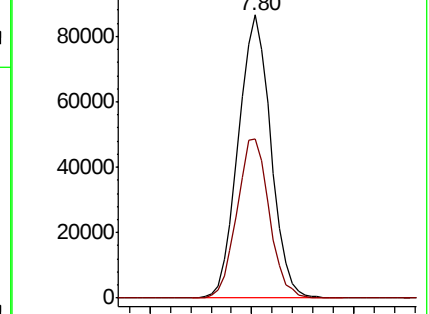
168 100

99 56.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000472.D

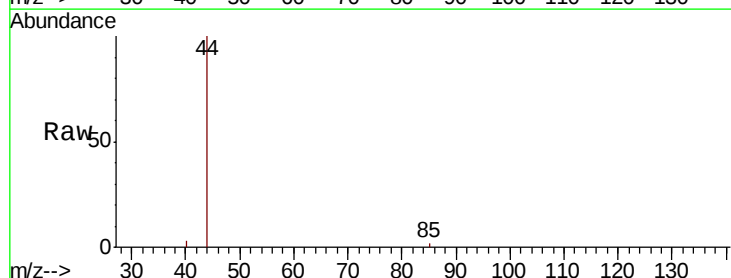
Acq: 29 Oct 2019 14:19

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

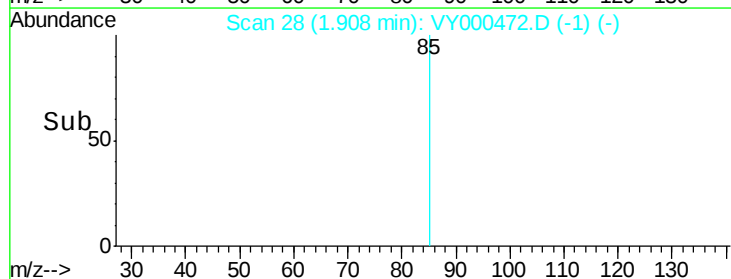
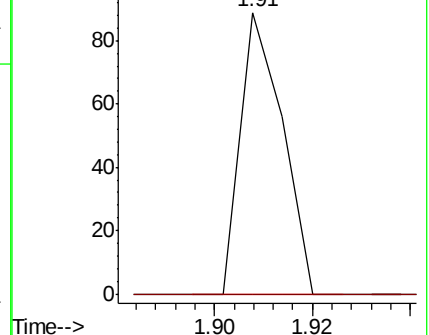
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

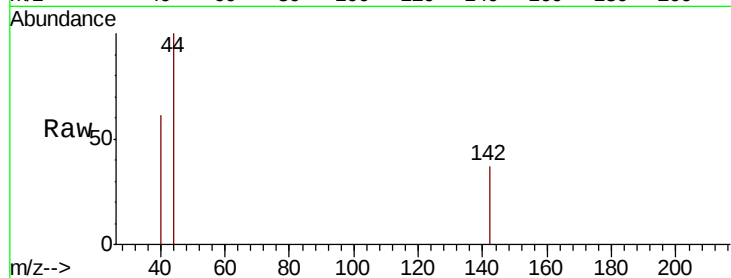




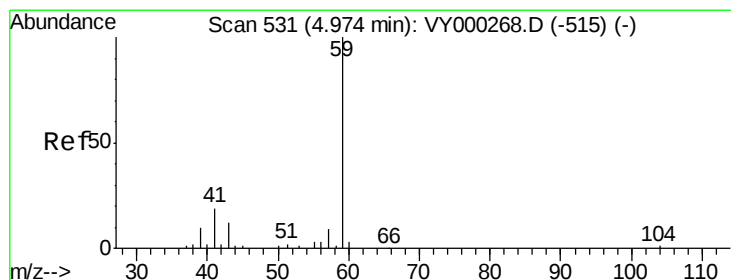
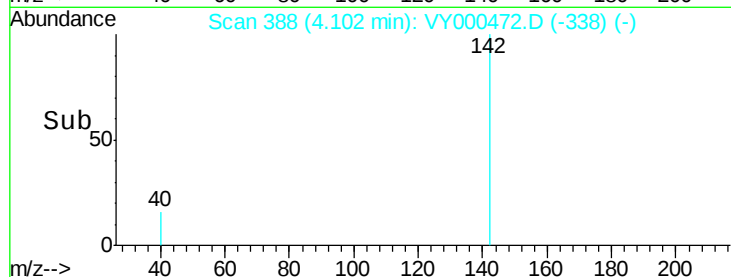
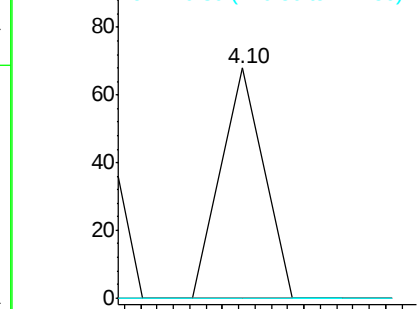
#10
Methvl Iodide
Concen: 1.195 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000472.D
Acq: 29 Oct 2019 14:19

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

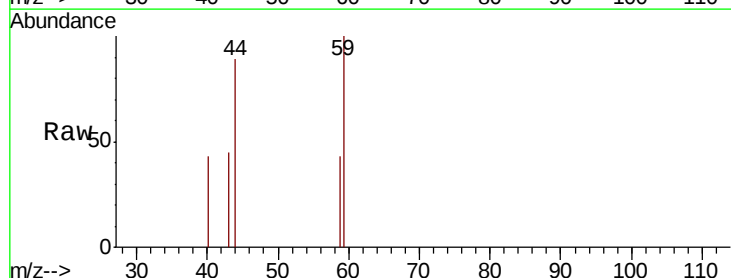


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

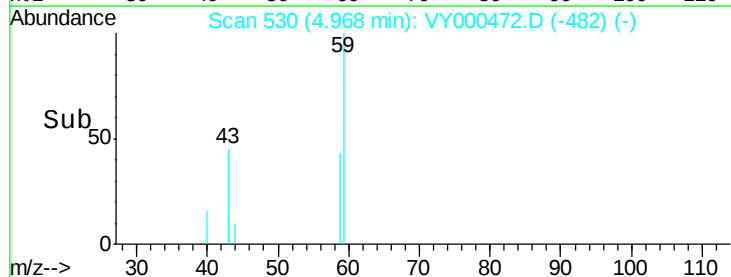
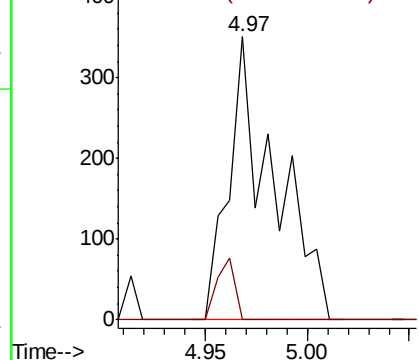


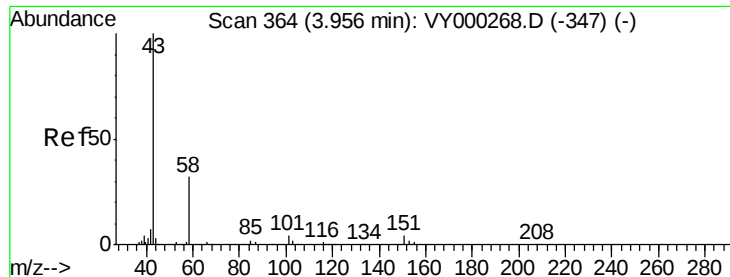
#11
Tert butyl alcohol
Concen: 2.561 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000472.D
Acq: 29 Oct 2019 14:19

Tgt Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 8.7 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: 1.066 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

Instrument :

MSVOA_Y

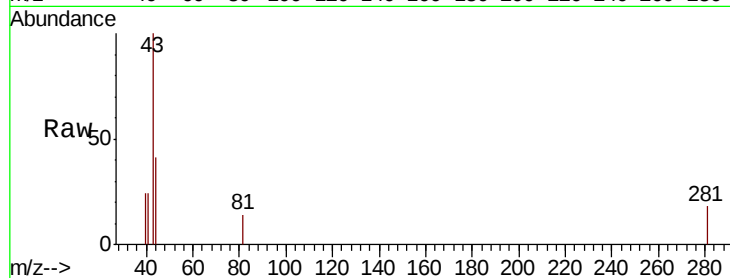
ClientSampleId :

Tot Ion: 43 Resp: 694

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#

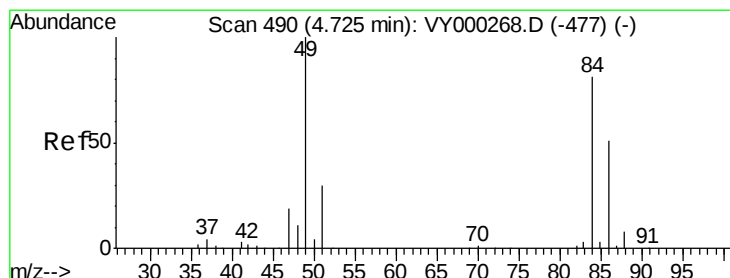
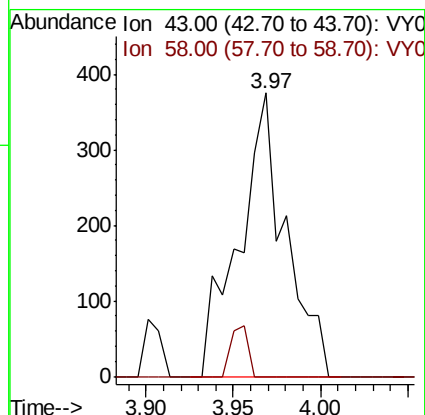
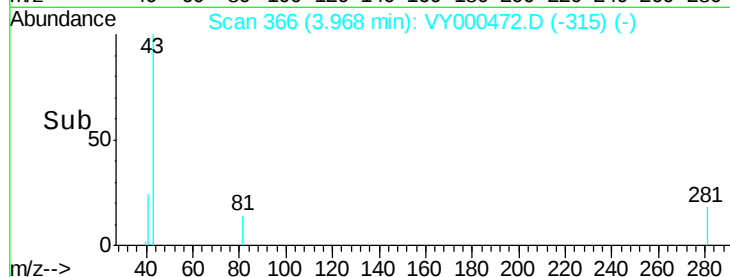


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

3.95 4.00



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

Tgt Ion: 84 Resp: 1216

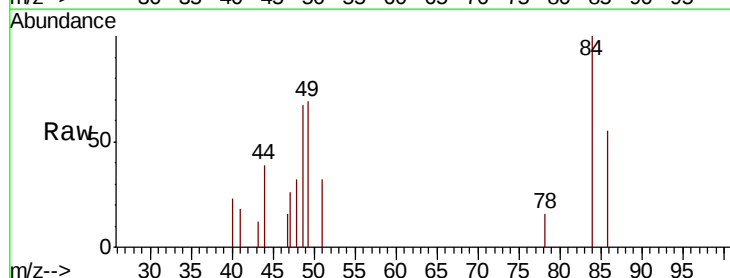
Ion Ratio Lower Upper

84 100

49 136.5 99.0 148.4

51 31.8 29.3 43.9

86 54.8 50.2 75.4



Abundance Ion 83.90 (83.60 to 84.60): VY0

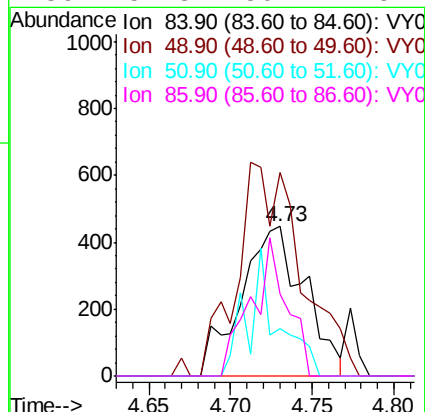
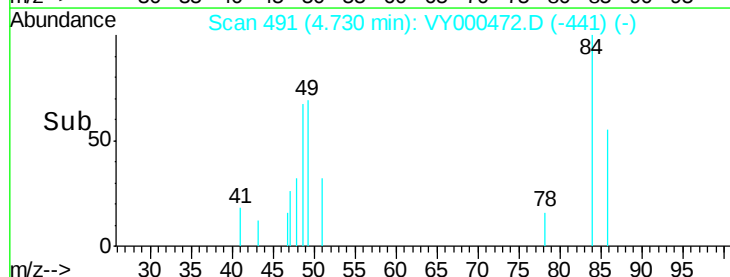
Ion 48.90 (48.60 to 49.60): VY0

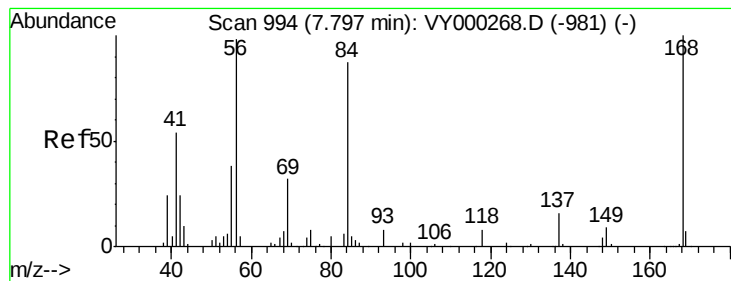
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

4.73

4.65 4.80





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

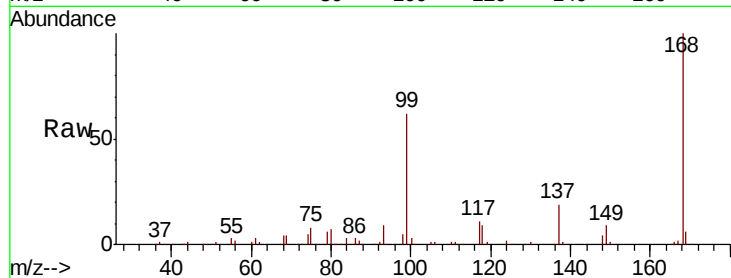
Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

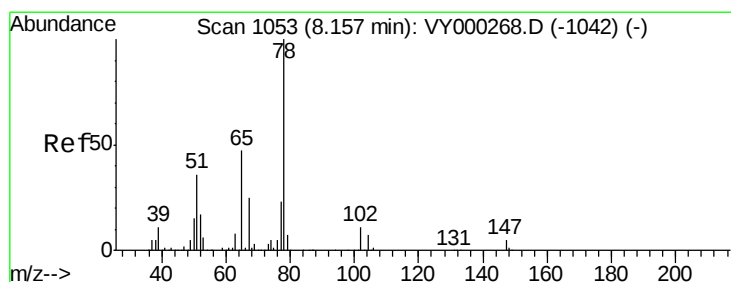
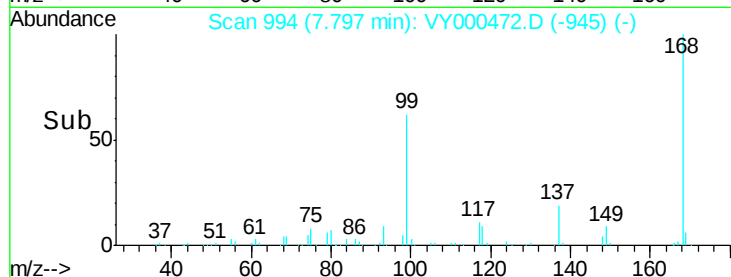
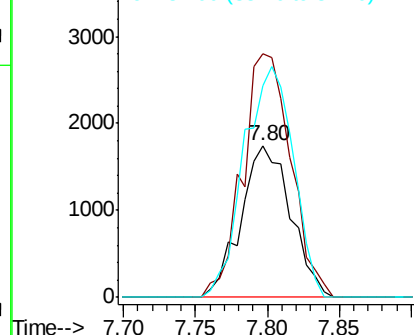
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4193

Ion	Ratio	Lower	Upper
56	100		
69	160.6	26.3	39.5#
84	139.4	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: 55.599 ug/l

RT: 8.15 min Scan# 1052

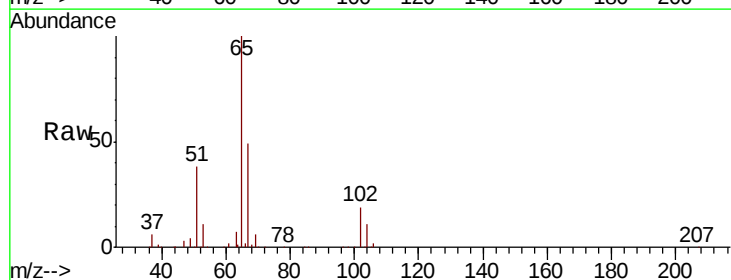
Delta R.T. -0.01 min

Lab File: VY000472.D

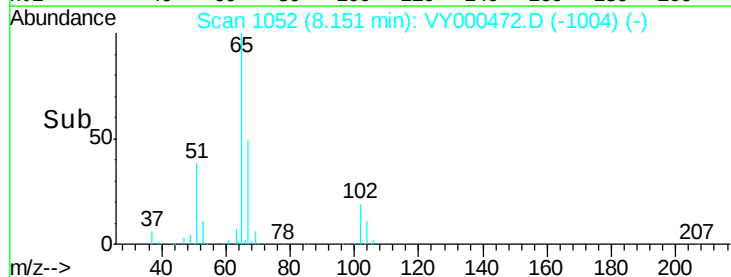
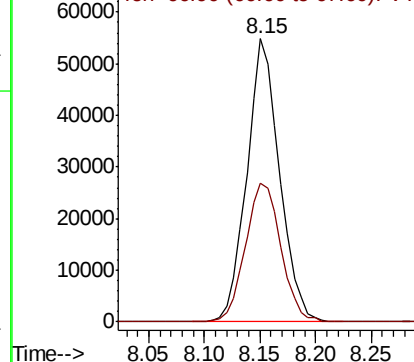
Acq: 29 Oct 2019 14:19

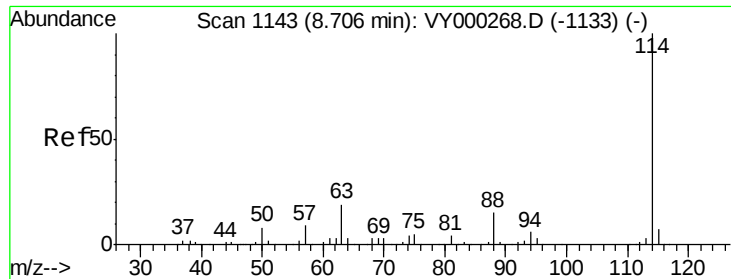
Tgt Ion: 65 Resp: 111804

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	109.4



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

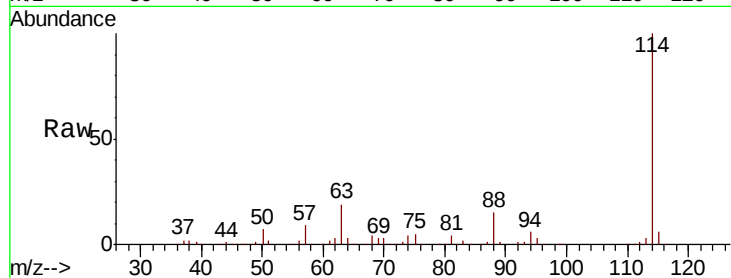




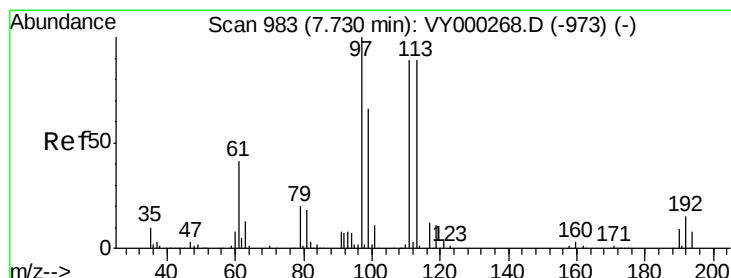
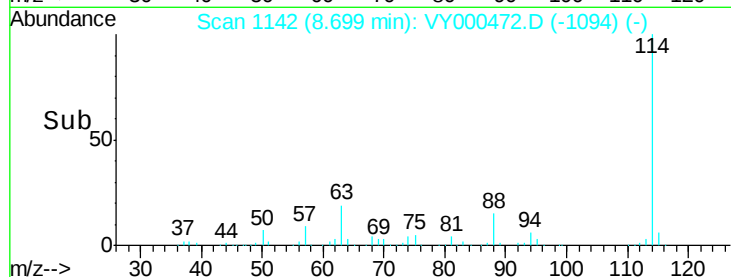
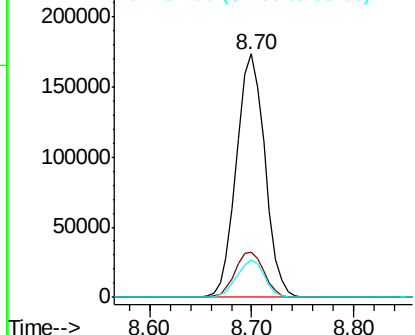
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000472.D
 Acq: 29 Oct 2019 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 336030
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.2
 88 15.2 0.0 30.2

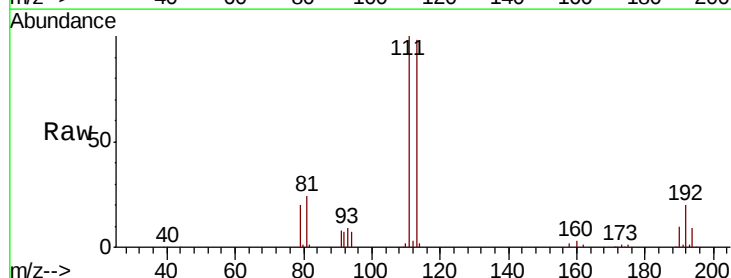


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

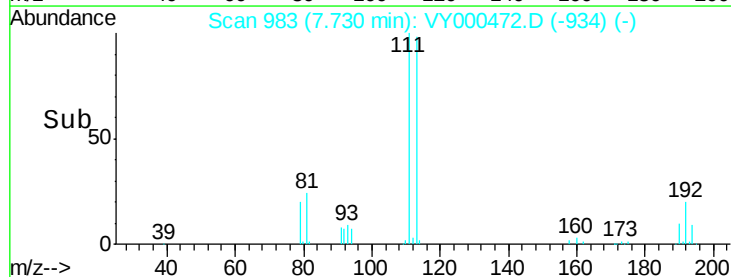
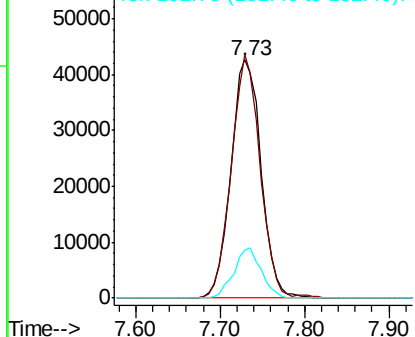


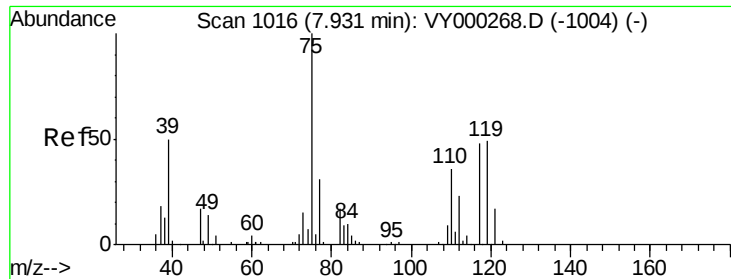
#35
 Dibromofluoromethane
 Concen: 50.627 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000472.D
 Acq: 29 Oct 2019 14:19

Tgt Ion:113 Resp: 102620
 Ion Ratio Lower Upper
 113 100
 111 97.0 81.6 122.4
 192 19.2 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

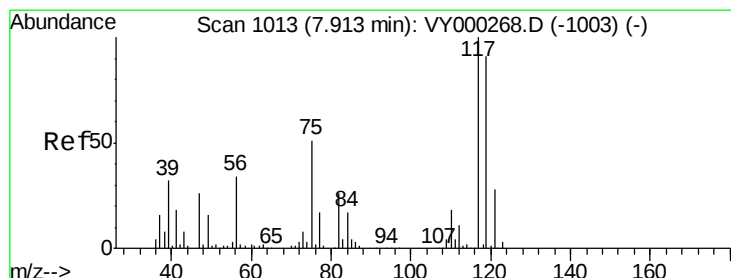
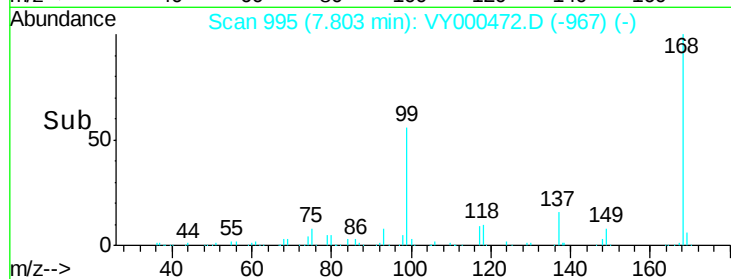
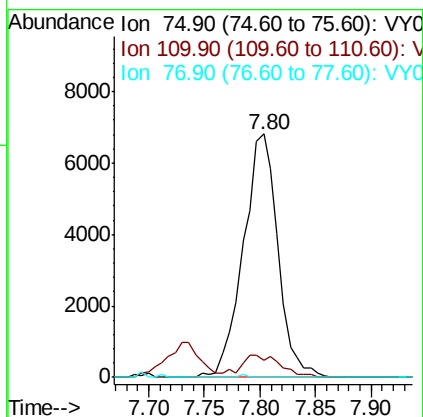
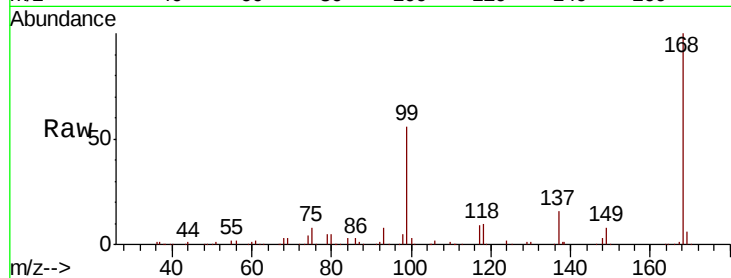




#36
 1,1-Dichloropropene
 Concen: 4.477 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000472.D
 Acq: 29 Oct 2019 14:19

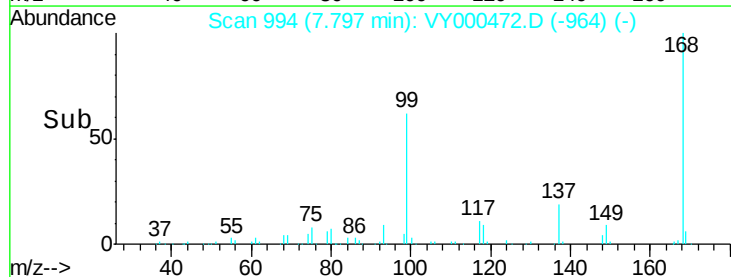
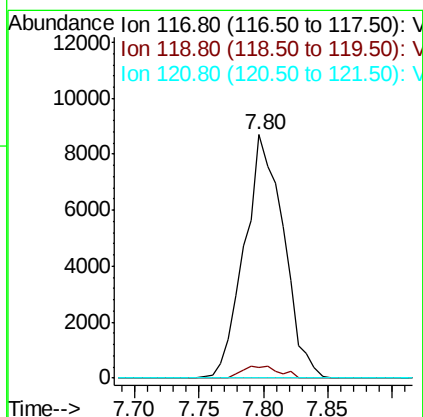
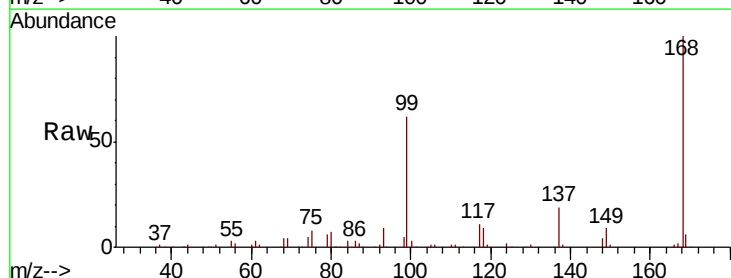
Instrument :
 MSVOA_Y
 ClientSampleId :

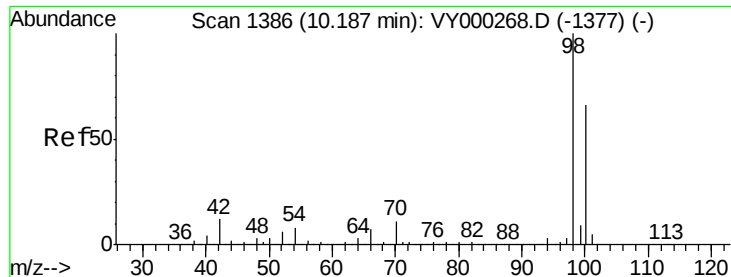
Tot Ion	75	Resp	14729
Ion Ratio	100	Lower	Upper
75	100		
110	10.6	18.4	55.4#
77	0.2	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.744 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000472.D
 Acq: 29 Oct 2019 14:19

Tgt Ion	117	Resp	18296
Ion Ratio	100	Lower	Upper
117	100		
119	4.5	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.208 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

Instrument :

MSVOA_Y

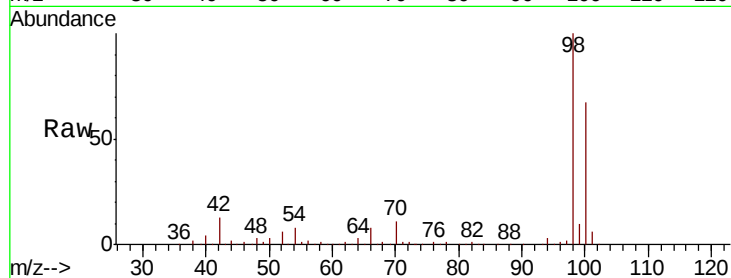
ClientSampled :

Tot Ion: 98 Resp: 383681

Ion Ratio Lower Upper

98 100

100 66.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

200000

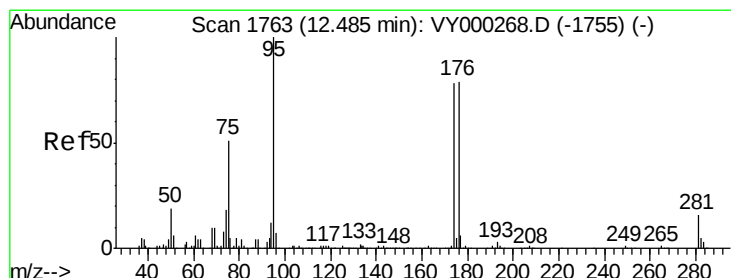
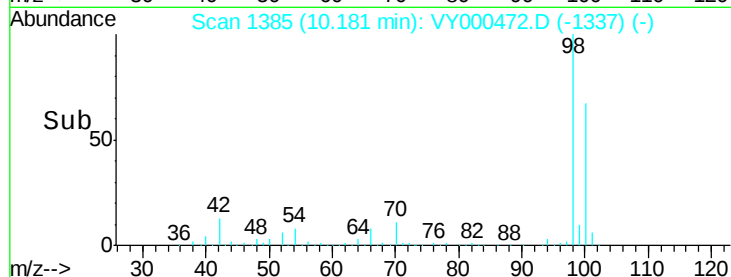
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.017 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

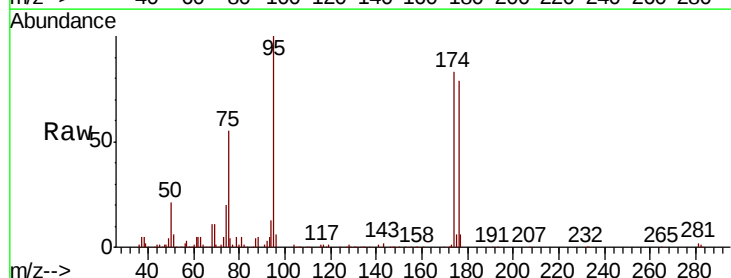
Tgt Ion: 95 Resp: 121502

Ion Ratio Lower Upper

95 100

174 83.2 0.0 159.6

176 79.0 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

100000

80000

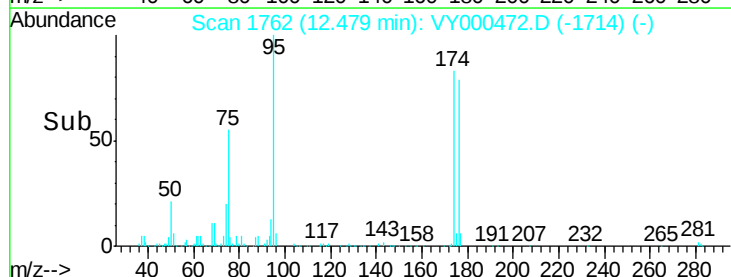
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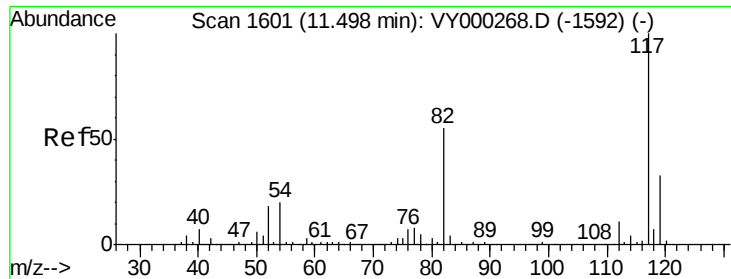
40000

20000

0

Time-->

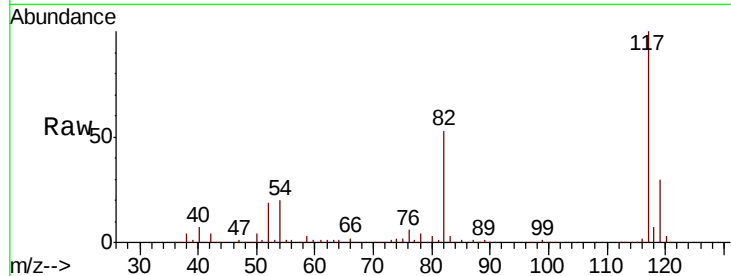




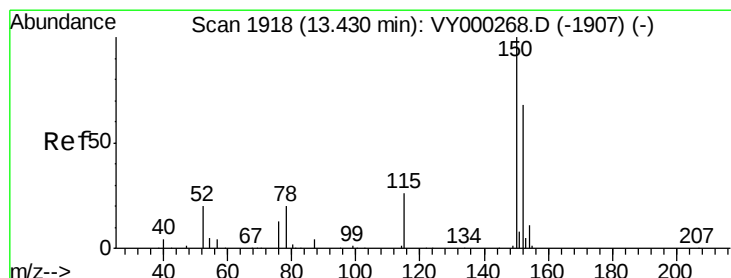
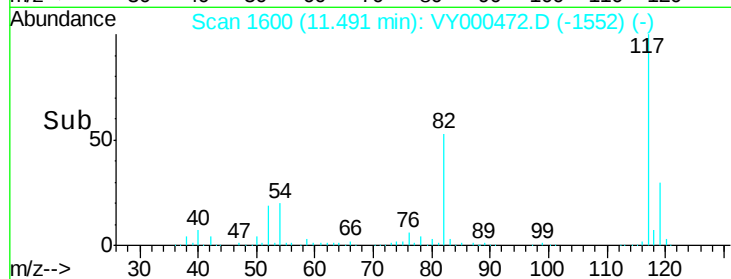
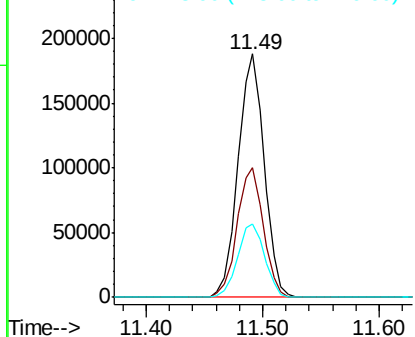
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000472.D
Acq: 29 Oct 2019 14:19

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 293752
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 30.1 26.6 39.8

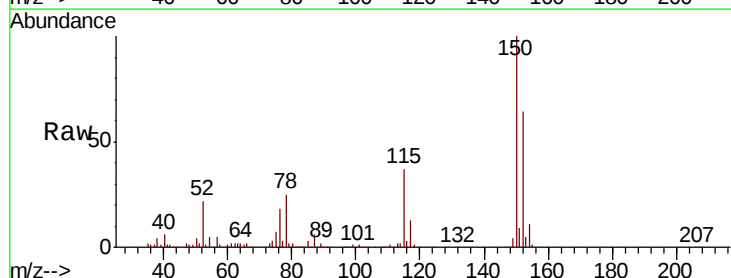


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

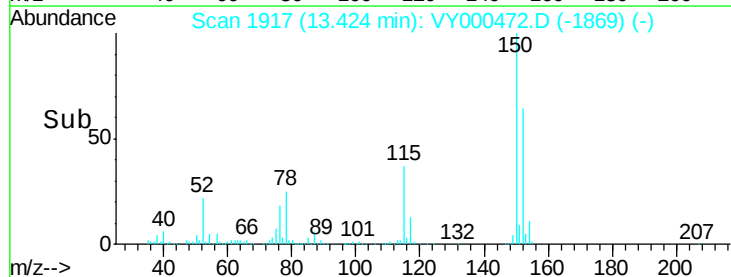
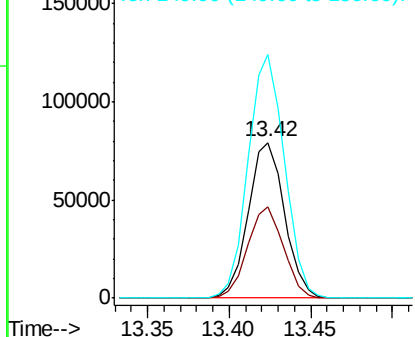


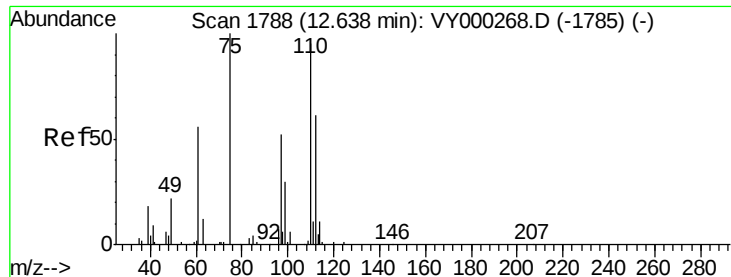
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000472.D
Acq: 29 Oct 2019 14:19

Tgt Ion:152 Resp: 123040
Ion Ratio Lower Upper
152 100
115 57.6 29.3 88.0
150 156.1 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: 42.660 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

Instrument :

MSVOA_Y

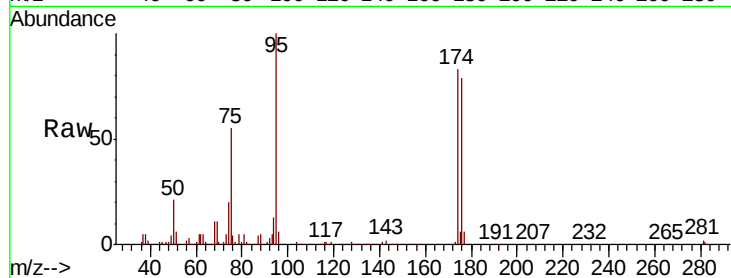
ClientSampleId :

Tot Ion: 75 Resp: 64544

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

12.48

50000

40000

30000

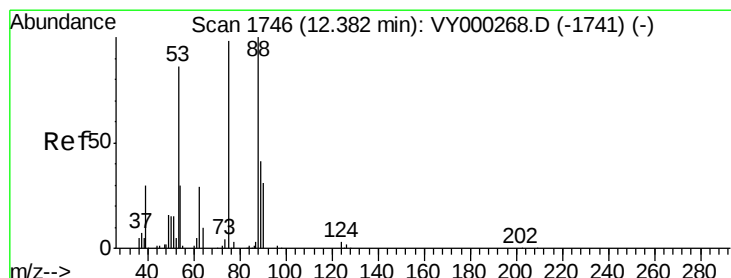
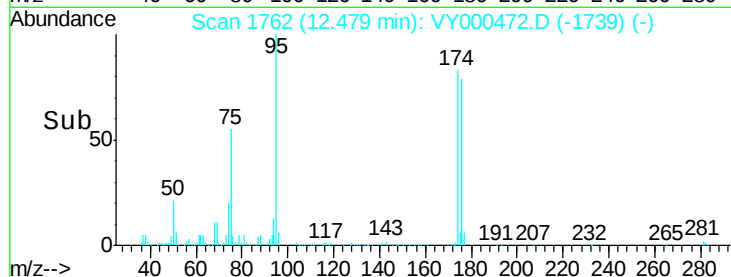
20000

10000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 93.339 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000472.D

Acq: 29 Oct 2019 14:19

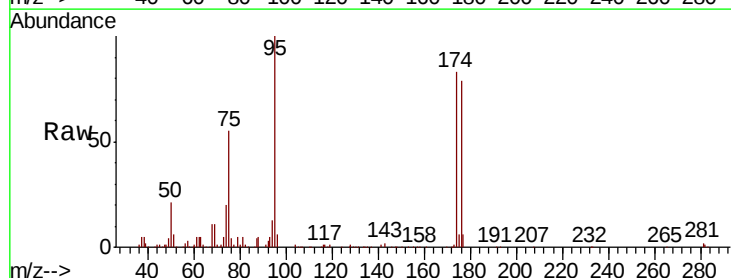
Tgt Ion: 75 Resp: 64544

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

60000

50000

40000

30000

20000

10000

0

Time-->

12.40 12.45 12.50 12.55

