

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000425.D
 Acq On : 25 Oct 2019 13:47
 Operator : SY/MD
 Sample : K5544-02
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:44:40 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	217614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	374038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	327838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	150896	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	123810	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	7.73	113	109621	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	10.19	98	431148	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.49	95	146049	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

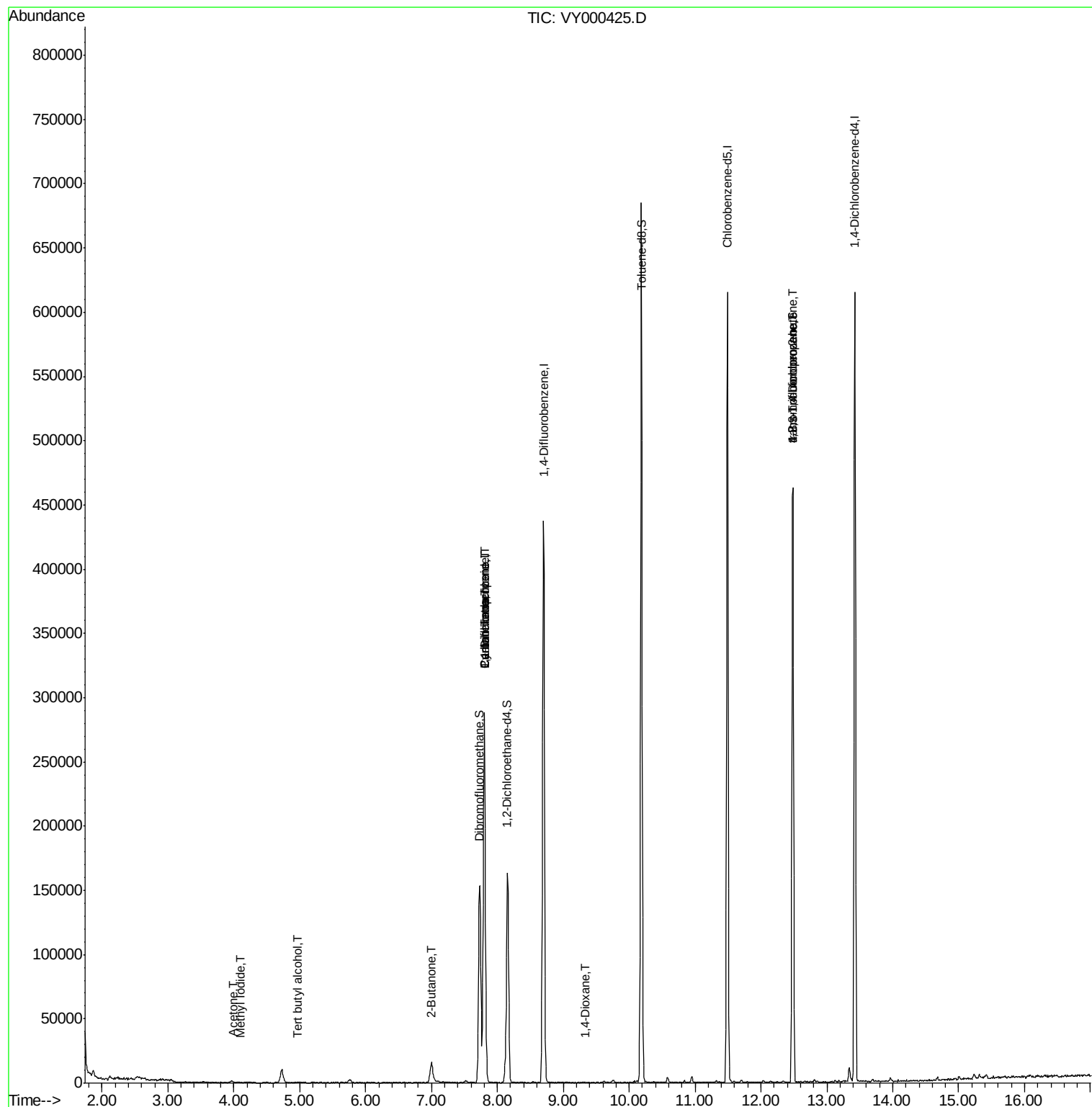
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	130	Below Cal	#	41
10) Methyl Iodide	4.11	142	140	1.229	ug/l #	84
11) Tert butyl alcohol	4.97	59	585	2.435	ug/l #	73
16) Acetone	3.99	43	2803	3.771	ug/l #	80
20) Methylene Chloride	4.72	84	7036	Below Cal	#	82
25) 2-Butanone	7.00	43	1122	1.071	ug/l #	72
31) Cyclohexane	7.80	56	5031	1.146	ug/l #	9
36) 1,1-Dichloropropene	7.80	75	16736	4.570	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21649	6.106	ug/l #	19
49) 1,4-Dioxane	9.34	88	22	1.011	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	75985	40.951	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	75985	89.599	ug/l #	14

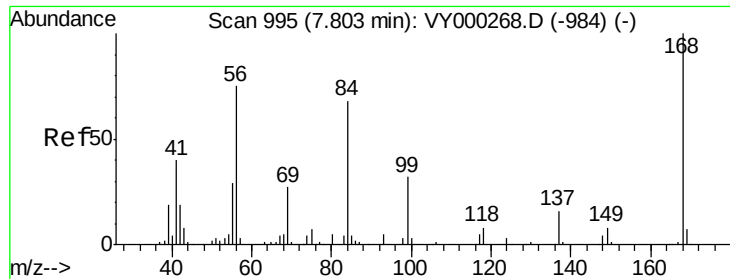
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

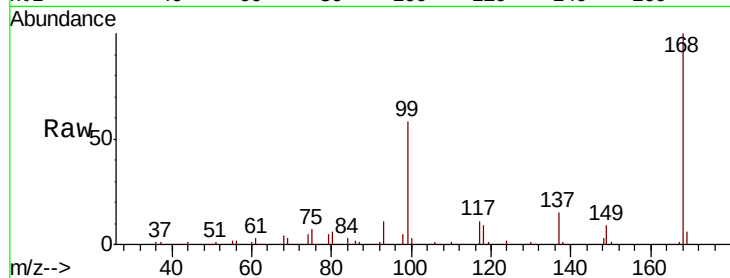
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 217614

Ion Ratio Lower Upper

168 100

99 57.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000425.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000425.D (-946) (-)

7.80

100000

80000

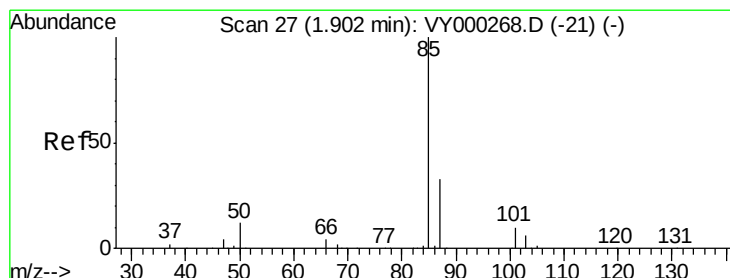
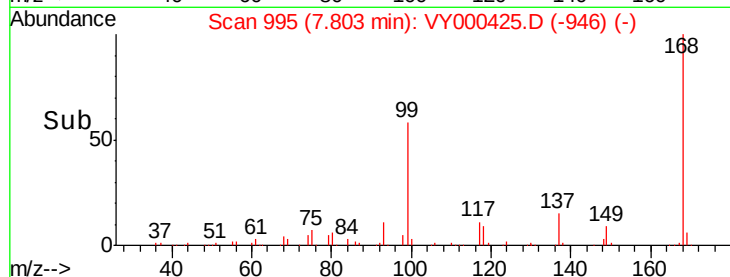
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000425.D

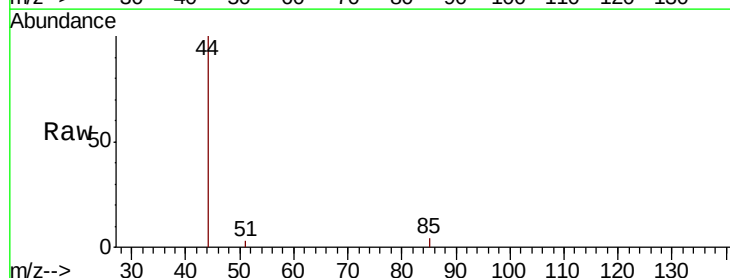
Acq: 25 Oct 2019 13:47

Tgt Ion: 85 Resp: 130

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000425.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000425.D (-1) (-)

1.90

200

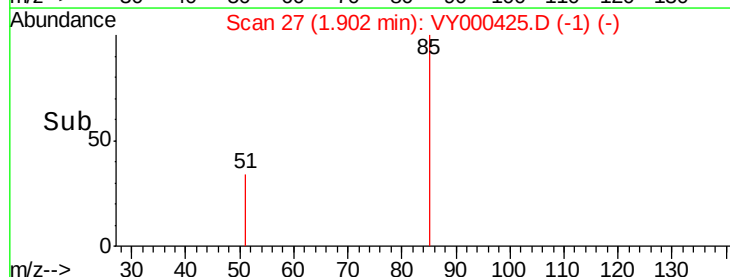
150

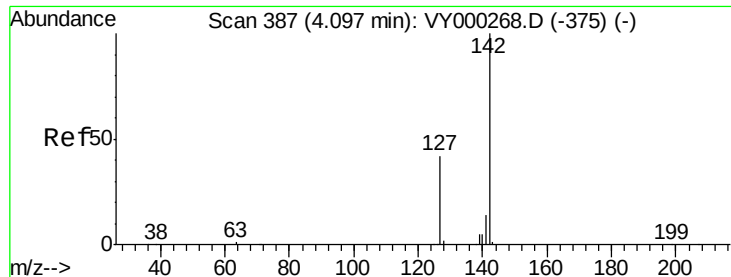
100

50

0

Time-->

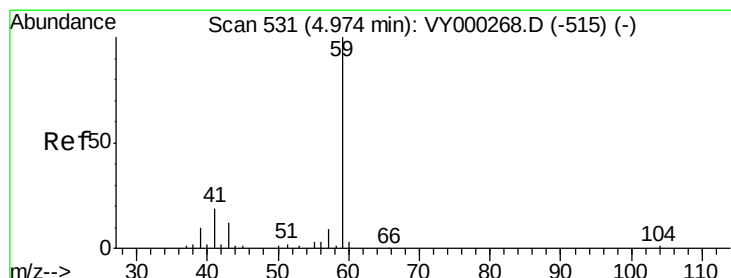
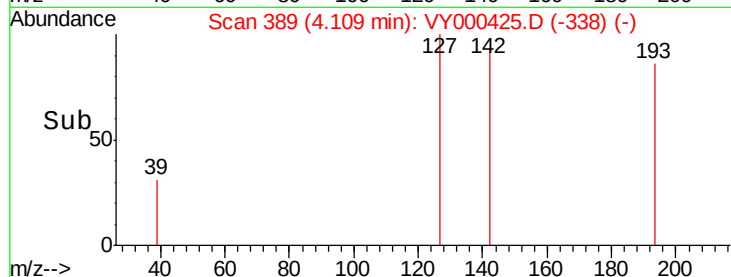
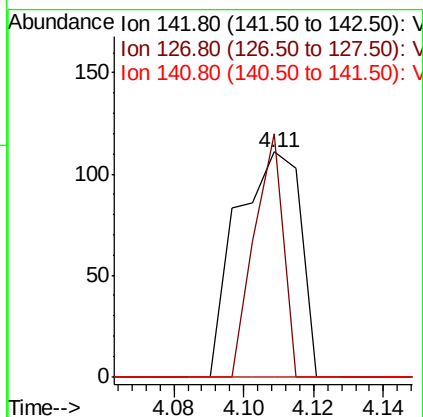
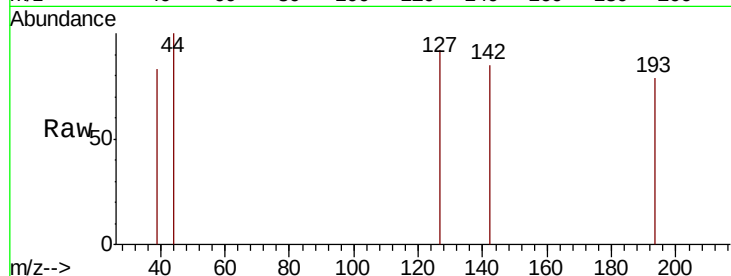




#10
Methyl Iodide
Concen: 1.229 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000425.D
Acq: 25 Oct 2019 13:47

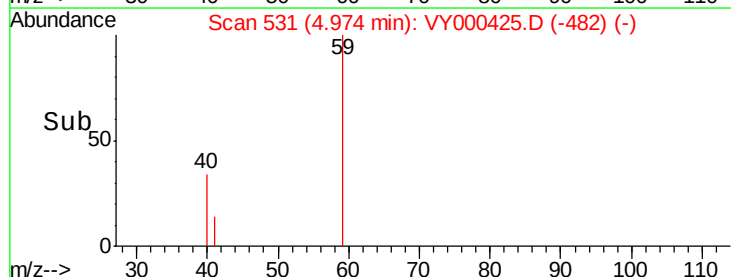
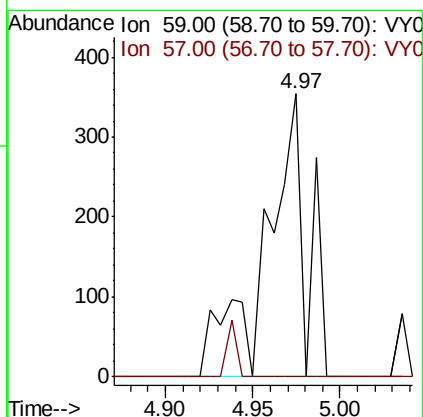
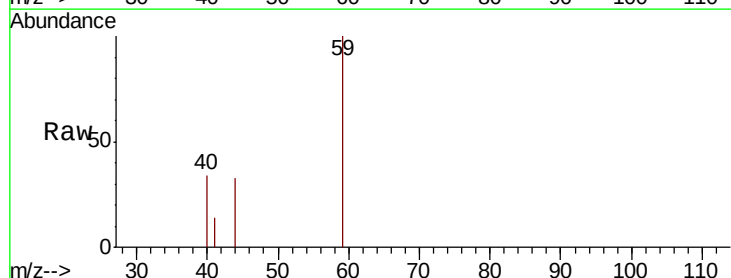
Instrument :
MSVOA_Y
ClientSampled :

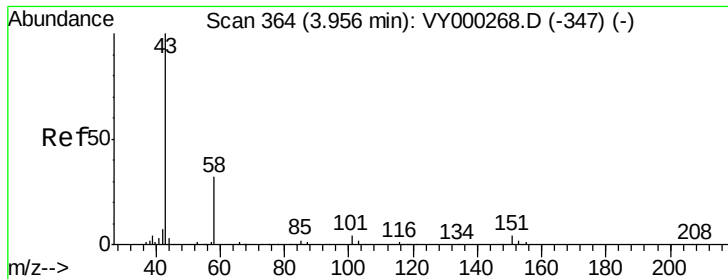
Tot Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 48.6 33.9 50.9
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 2.435 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000425.D
Acq: 25 Oct 2019 13:47

Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 3.771 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.03 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_Y

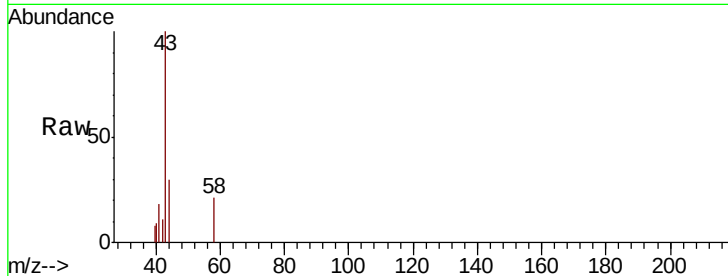
ClientSampleId :

Tot Ion: 43 Resp: 2803

Ion Ratio Lower Upper

43 100

58 21.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

1000

800

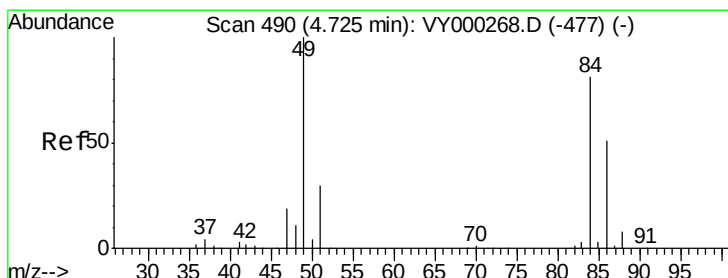
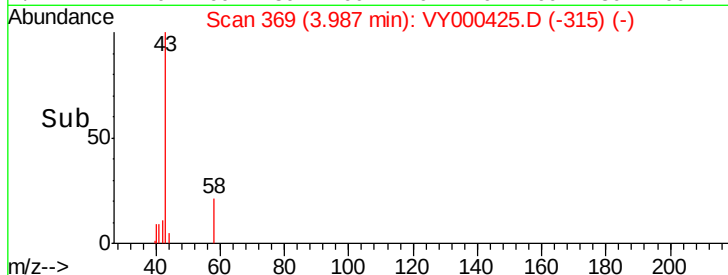
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

Tgt Ion: 84 Resp: 7036

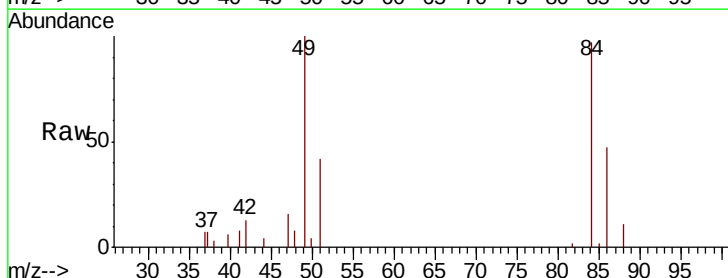
Ion Ratio Lower Upper

84 100

49 100.8 99.0 148.4

51 43.0 29.3 43.9

86 48.2 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

5000

4000

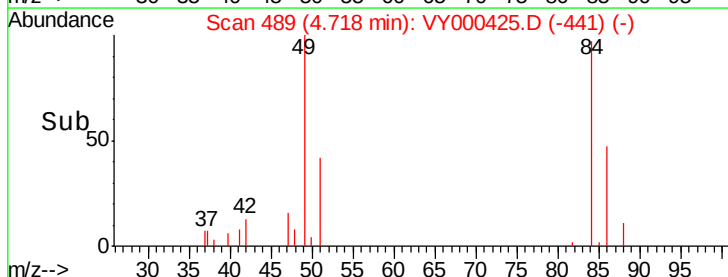
3000

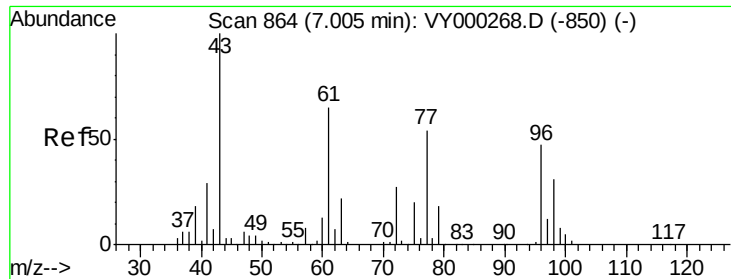
2000

1000

0

Time-->





#25

2-Butanone

Concen: 1.071 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

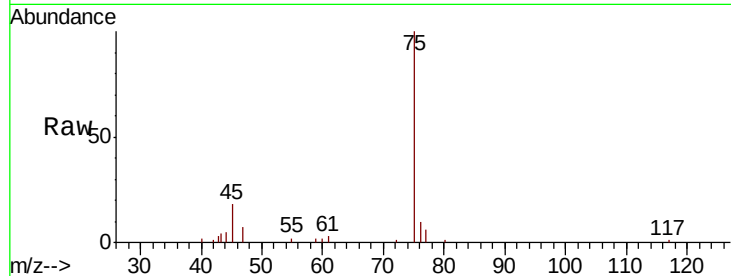
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1122

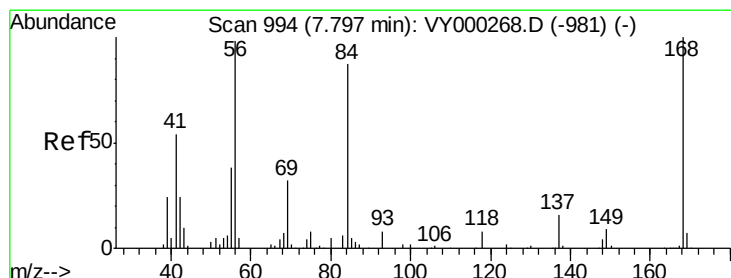
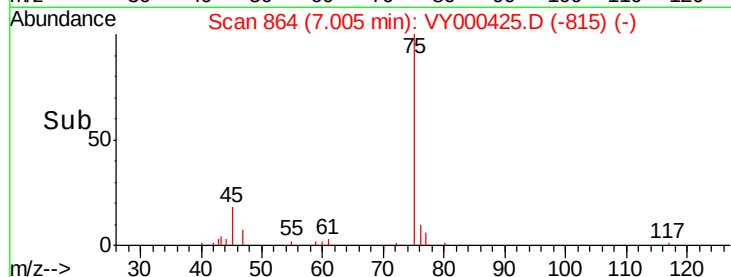
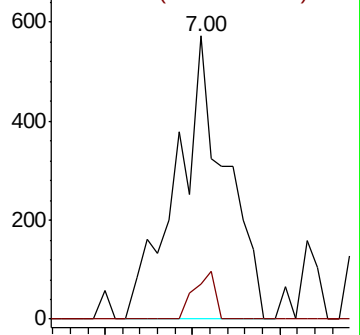
Ion Ratio Lower Upper

43 100

72 12.6 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: 1.146 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

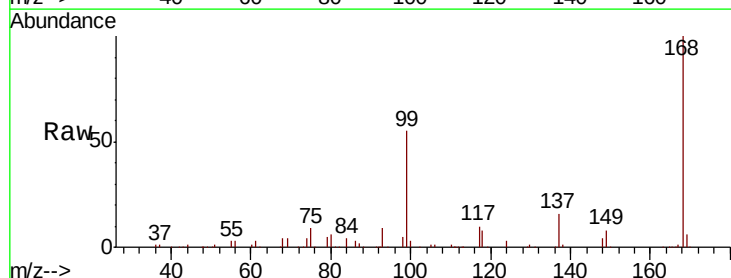
Tgt Ion: 56 Resp: 5031

Ion Ratio Lower Upper

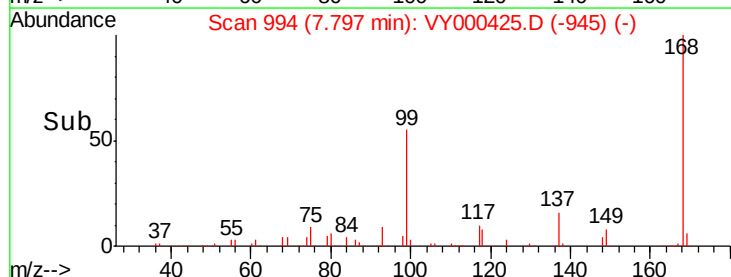
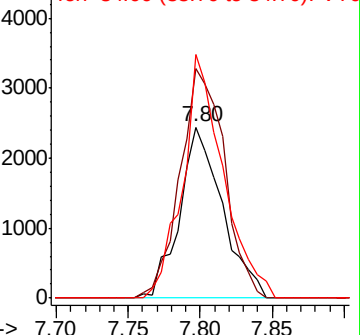
56 100

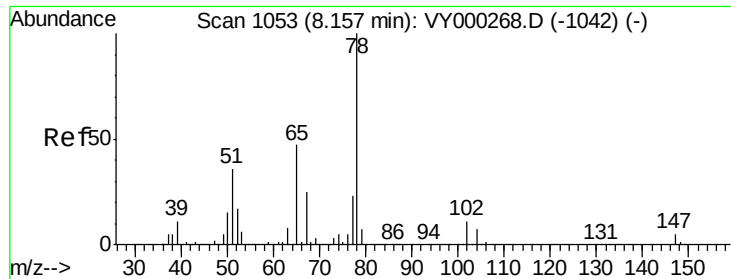
69 133.9 26.3 39.5#

84 142.3 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

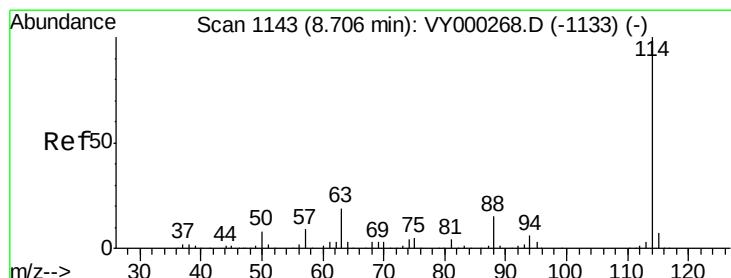
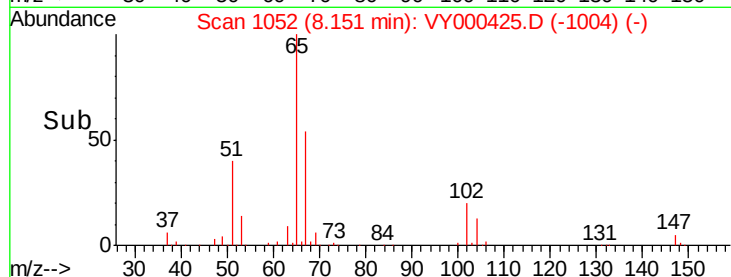
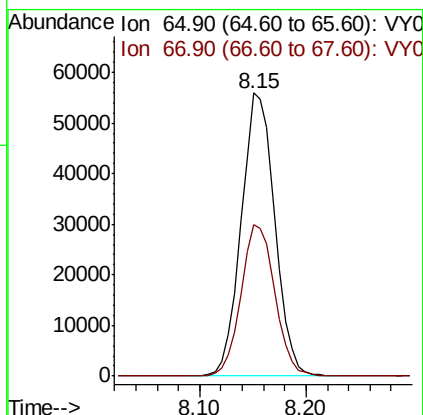
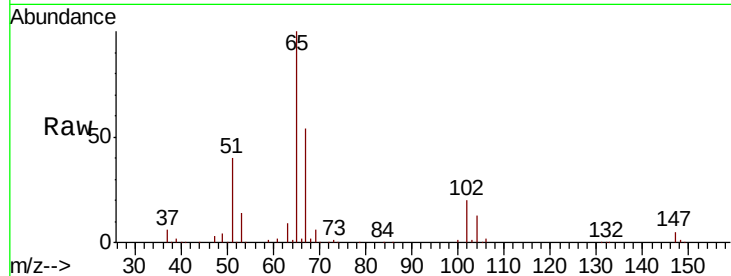




#33
 1,2-Dichloroethane-d4
 Concen: 53.936 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000425.D
 Acq: 25 Oct 2019 13:47

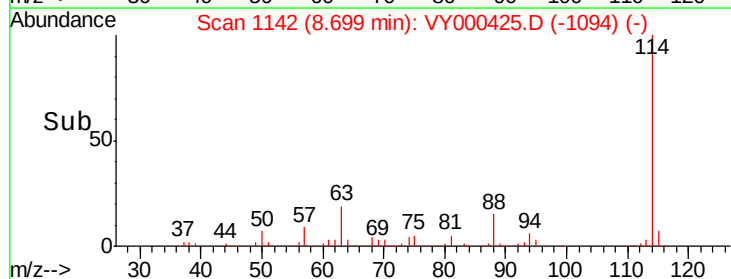
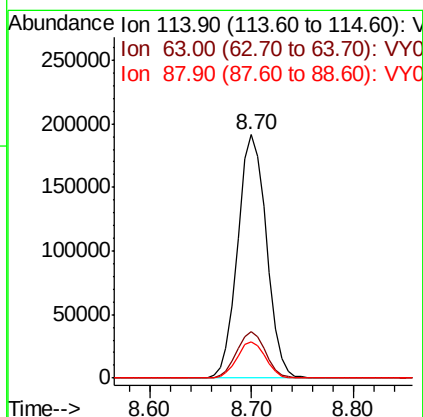
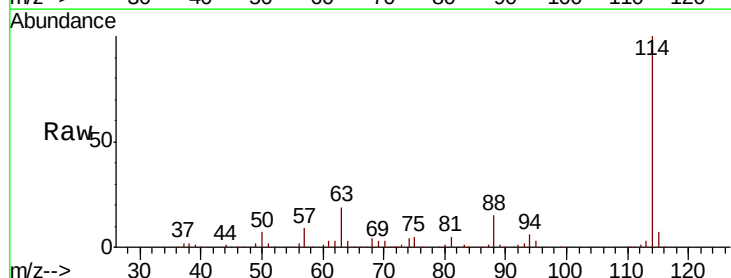
Instrument :
 MSVOA_Y
 ClientSampleId :

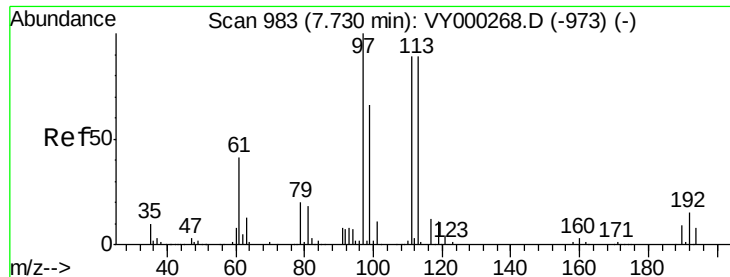
Tot Ion: 65 Resp: 123810
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000425.D
 Acq: 25 Oct 2019 13:47

Tgt Ion: 114 Resp: 374038
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.2
 88 14.8 0.0 30.2

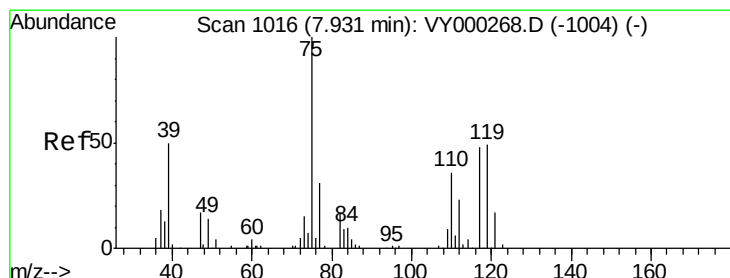
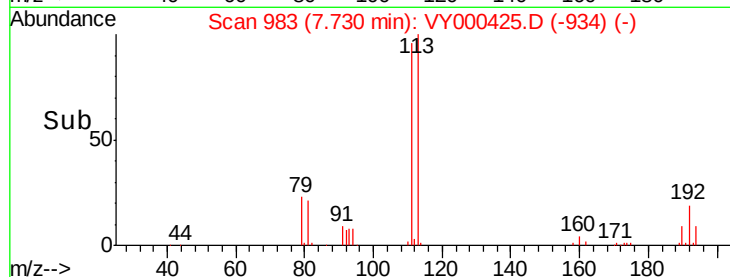
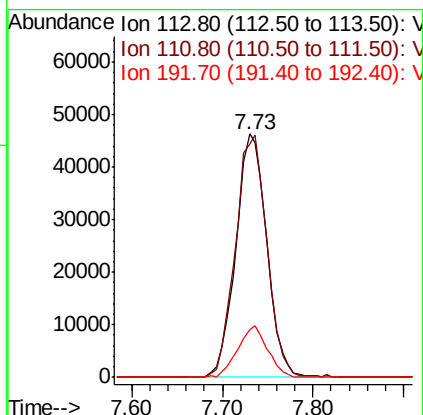
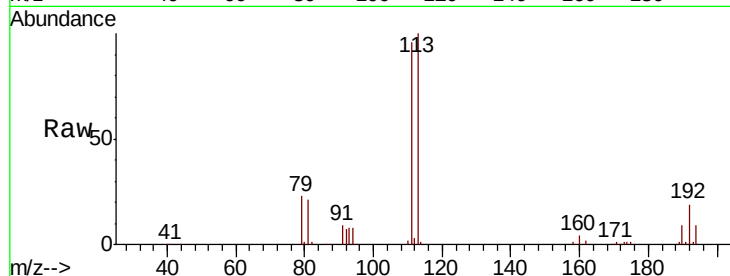




#35
 Dibromofluoromethane
 Concen: 48.586 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000425.D
 Acq: 25 Oct 2019 13:47

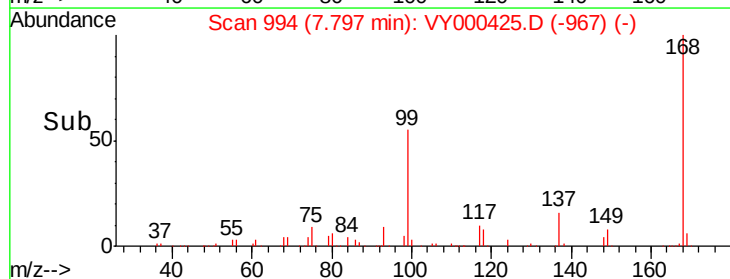
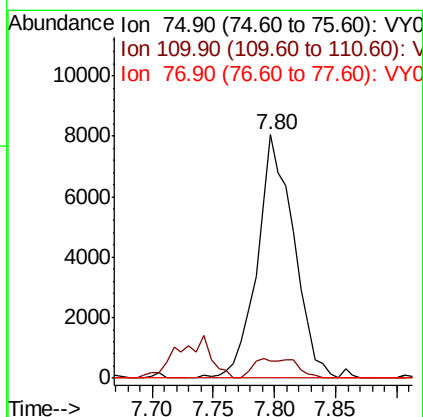
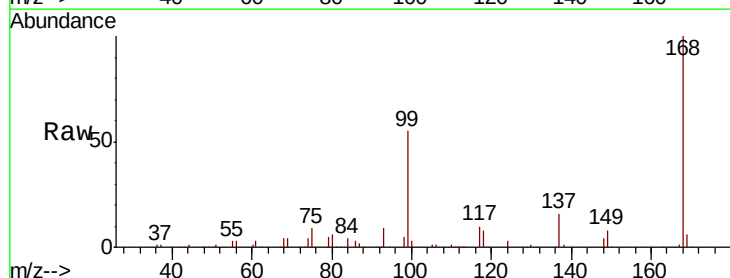
Instrument :
 MSVOA_Y
 ClientSampleId :

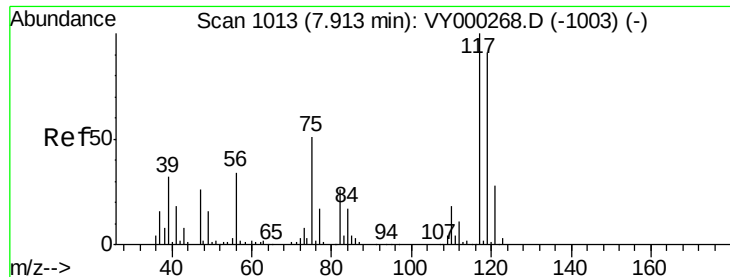
Tot Ion:113 Resp: 109621
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.6 122.4
 192 20.1 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.570 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000425.D
 Acq: 25 Oct 2019 13:47

Tgt Ion: 75 Resp: 16736
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.4#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.106 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_Y

ClientSampled :

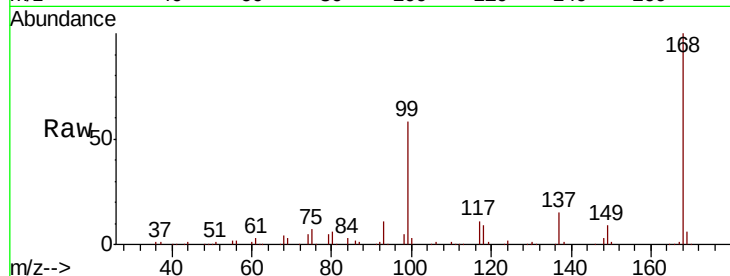
Tot Ion: 117 Resp: 21649

Ion Ratio Lower Upper

117 100

119 6.7 72.8 109.2#

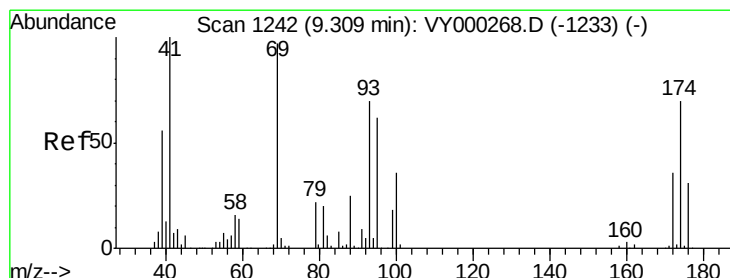
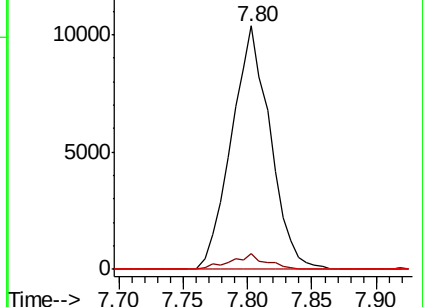
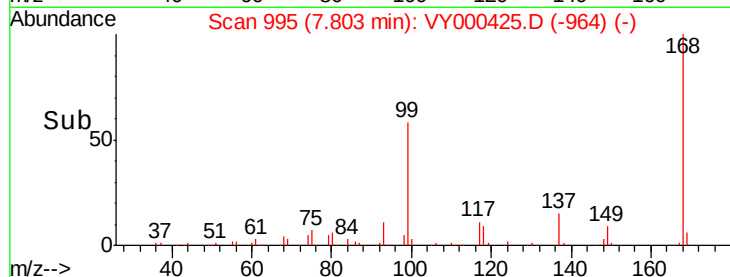
121 0.0 22.2 33.2#



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



#49

1,4-Dioxane

Concen: 1.011 ug/l

RT: 9.34 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

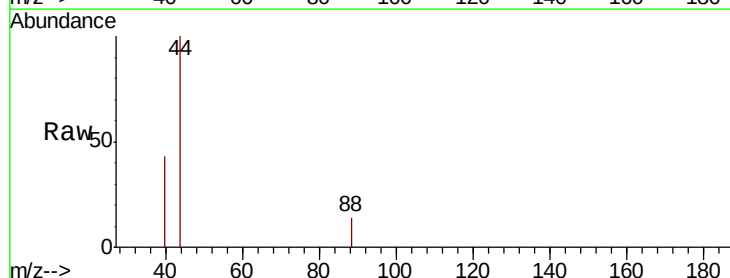
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

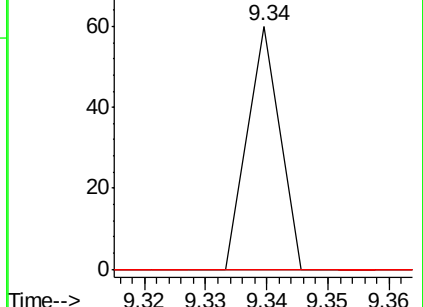
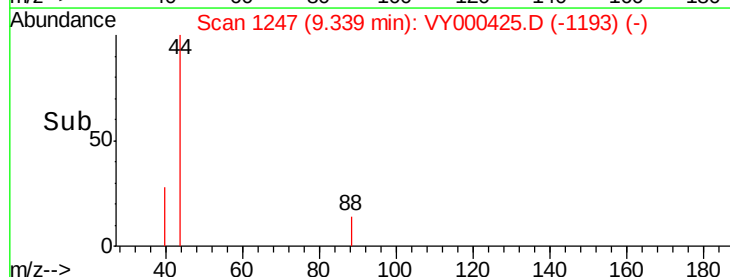
58 0.0 54.6 81.8#

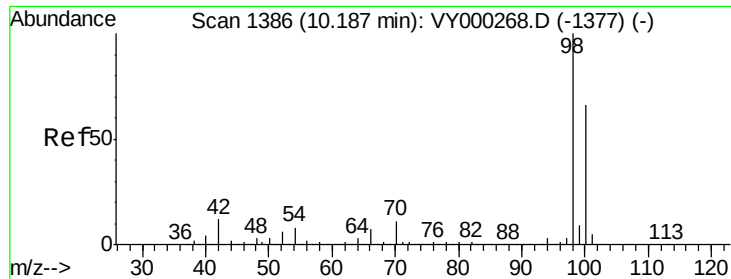


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

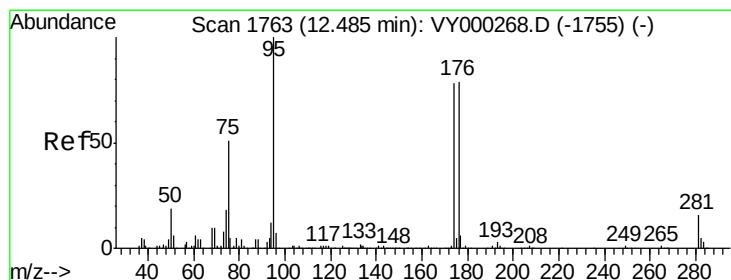
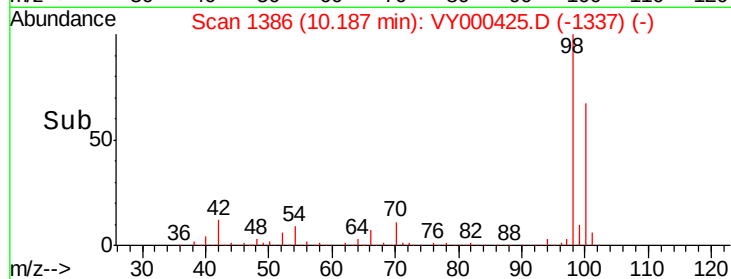
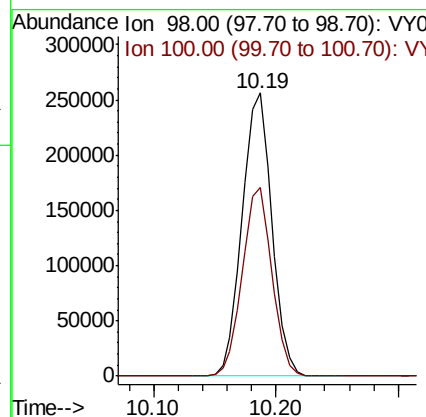
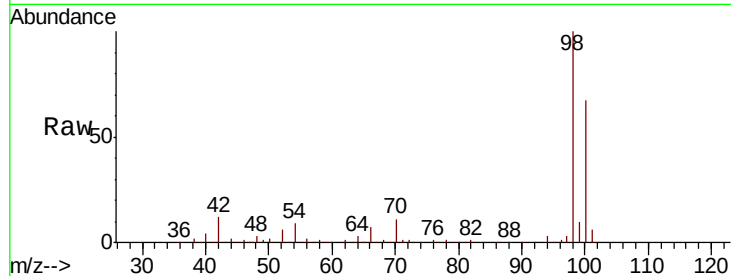




#50
Toluene-d8
Concen: 49.676 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000425.D
Acq: 25 Oct 2019 13:47

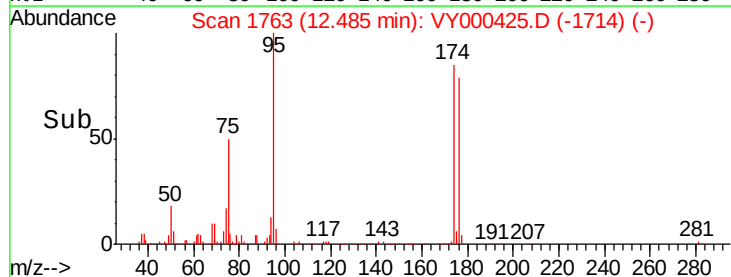
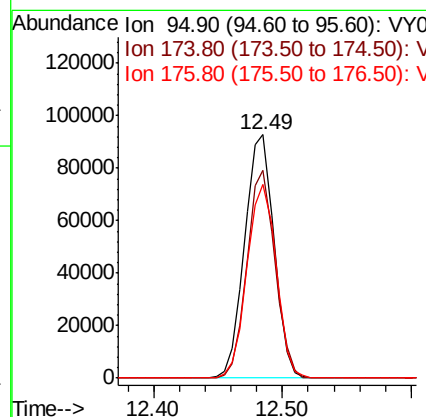
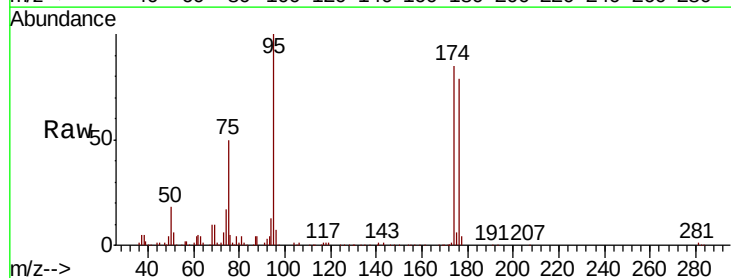
Instrument :
MSVOA_Y
ClientSampled :

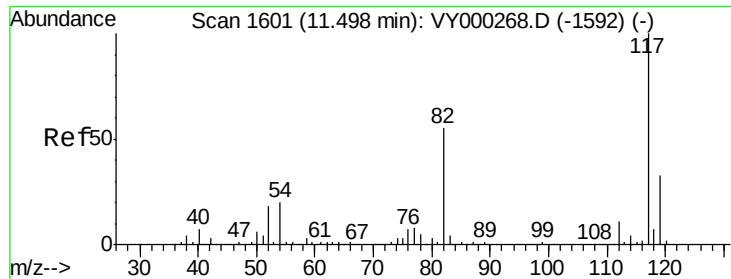
Tot Ion: 98 Resp: 431148
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.294 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000425.D
Acq: 25 Oct 2019 13:47

Tgt Ion: 95 Resp: 146049
Ion Ratio Lower Upper
95 100
174 81.5 0.0 159.6
176 79.0 0.0 153.8

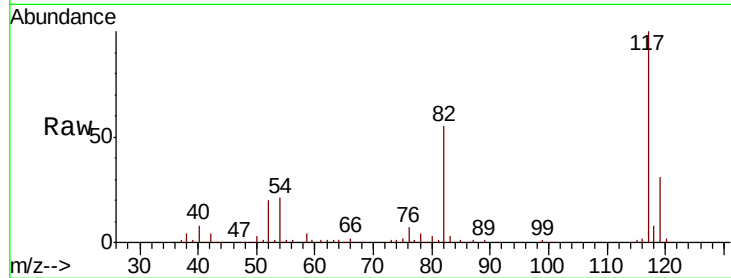




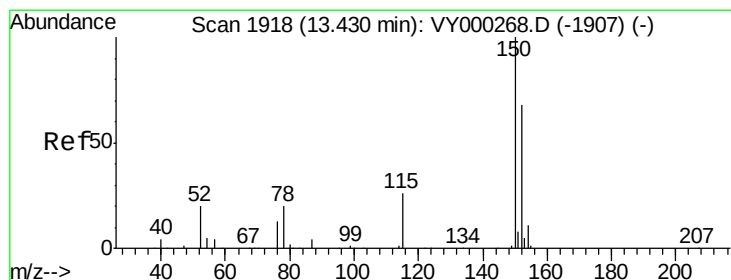
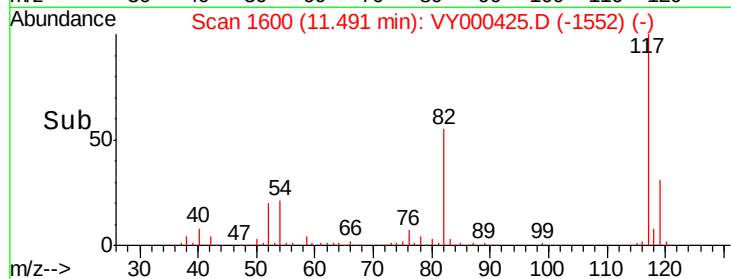
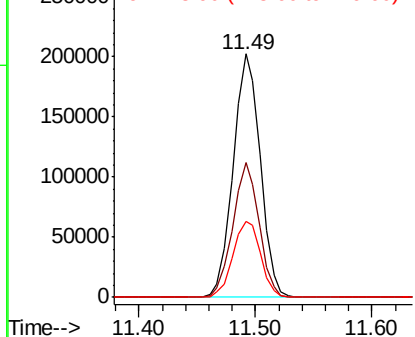
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000425.D
Acq: 25 Oct 2019 13:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 327838
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 31.1 26.6 39.8

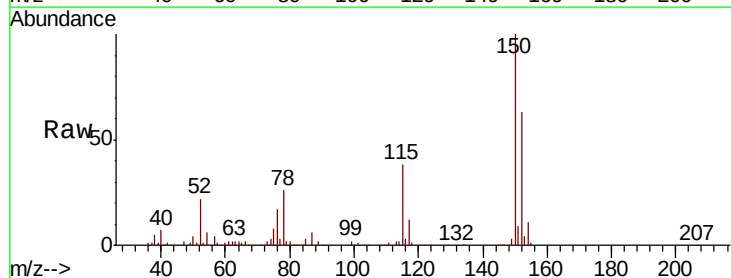


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

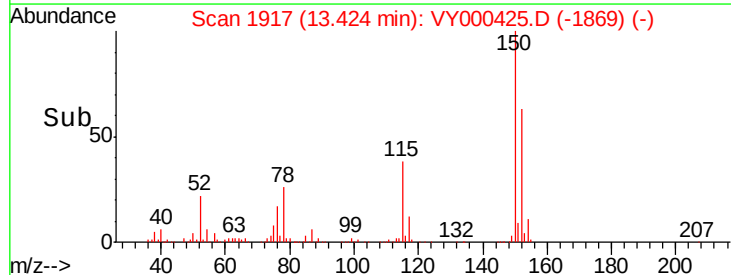
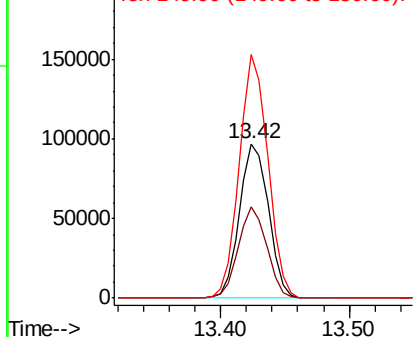


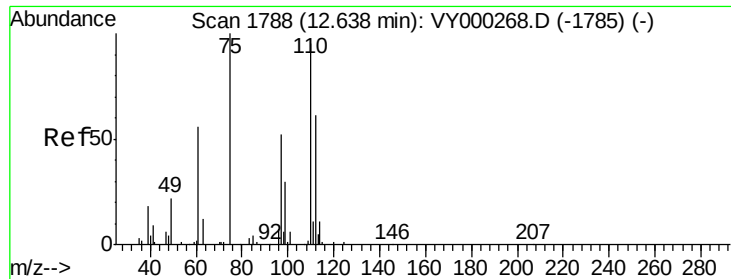
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000425.D
Acq: 25 Oct 2019 13:47

Tgt Ion:152 Resp: 150896
Ion Ratio Lower Upper
152 100
115 57.8 29.3 88.0
150 155.5 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: 40.951 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_Y

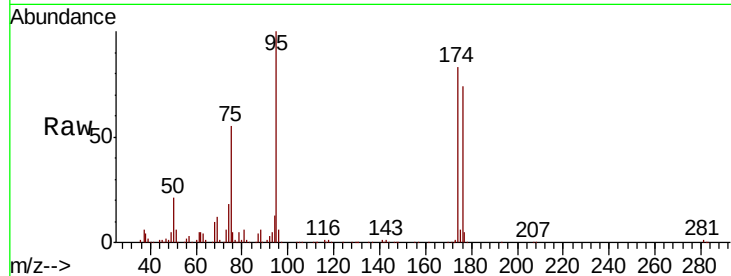
ClientSampled :

Tot Ion: 75 Resp: 75985

Ion Ratio Lower Upper

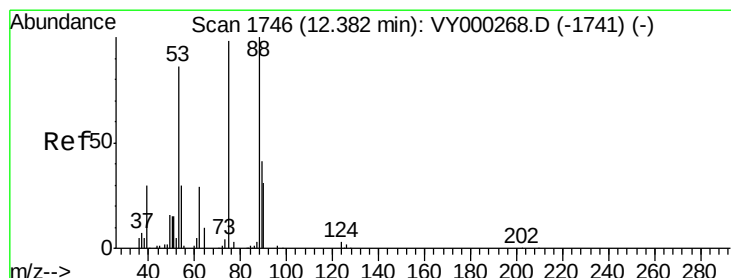
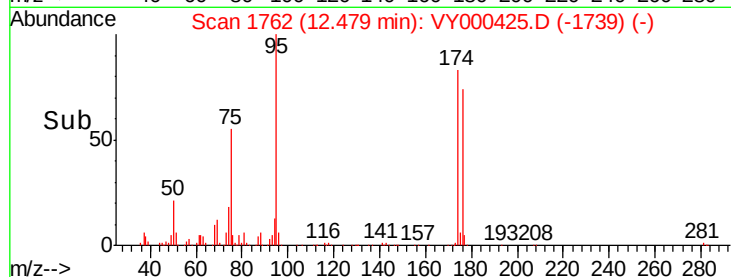
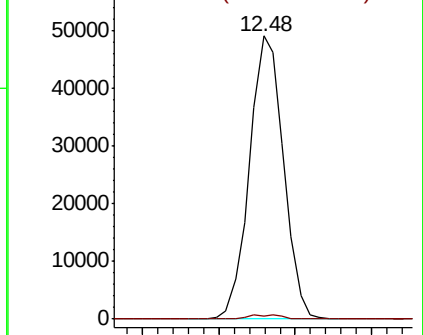
75 100

77 1.6 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: 89.599 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000425.D

Acq: 25 Oct 2019 13:47

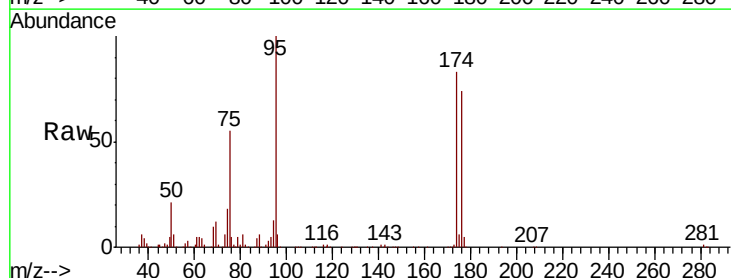
Tgt Ion: 75 Resp: 75985

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 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

