

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000431.D
 Acq On : 25 Oct 2019 16:05
 Operator : SY/MD
 Sample : K5539-10
 Misc : 6.69G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:45:46 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	110487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	174020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	129384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	42233	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	52701	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
35) Dibromofluoromethane	7.73	113	47736	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	10.18	98	193573	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.48	95	46942	30.60	ug/l	0.00
Spiked Amount			Recovery	=	61.20%	

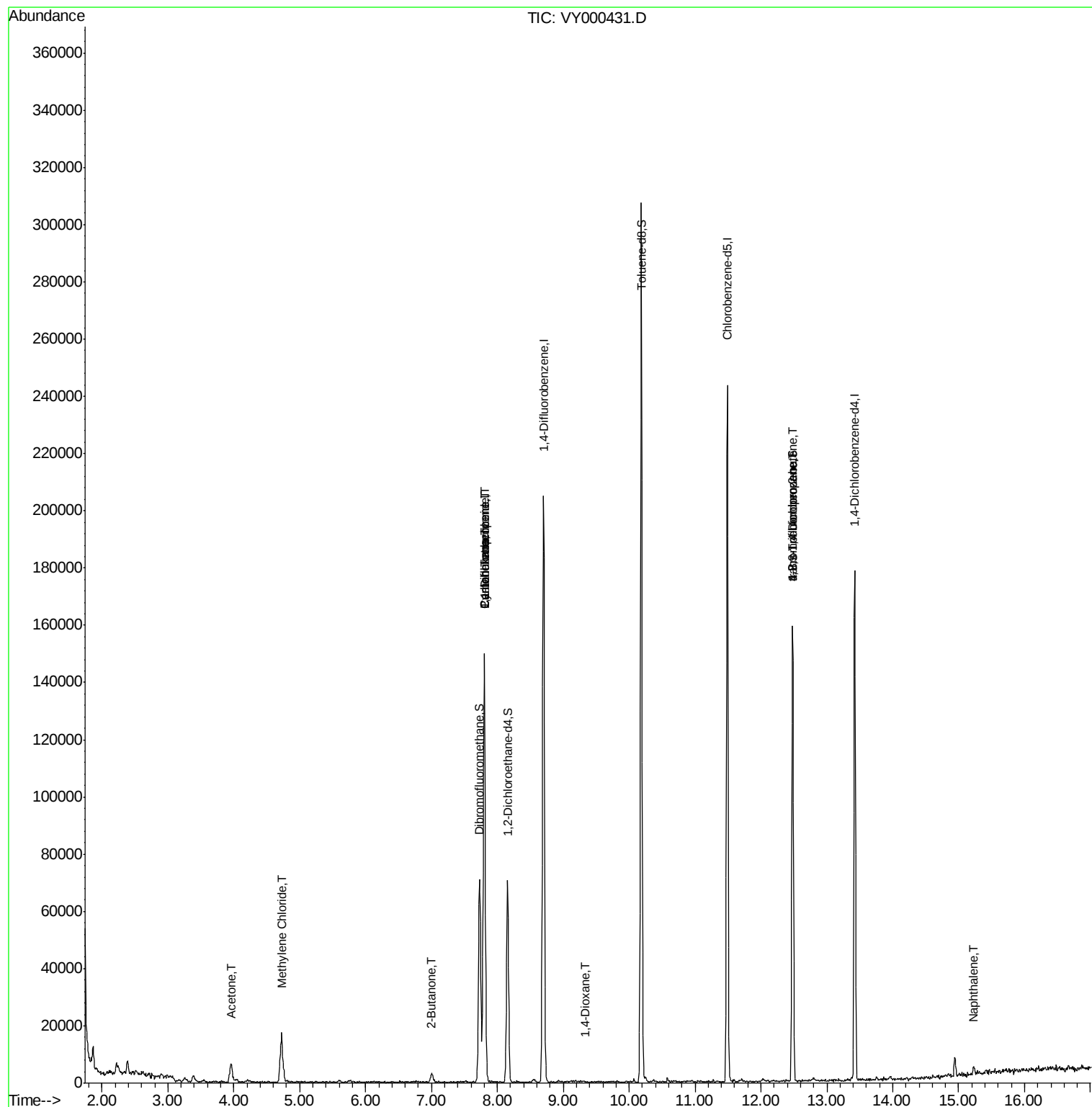
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	34	Below Cal	#	41
16) Acetone	3.95	43	10817	28.660	ug/l #	87
20) Methylene Chloride	4.72	84	11068	3.666	ug/l	90
25) 2-Butanone	7.00	43	4378	8.234	ug/l #	82
31) Cyclohexane	7.80	56	2903	1.302	ug/l #	41
36) 1,1-Dichloropropene	7.80	75	8847	5.193	ug/l #	49
38) Carbon Tetrachloride	7.80	117	10952	6.639	ug/l #	17
49) 1,4-Dioxane	9.33	88	29	2.863	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	25365	48.843	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	25365	106.866	ug/l #	14
95) Naphthalene	15.23	128	2645	1.303	ug/l #	95

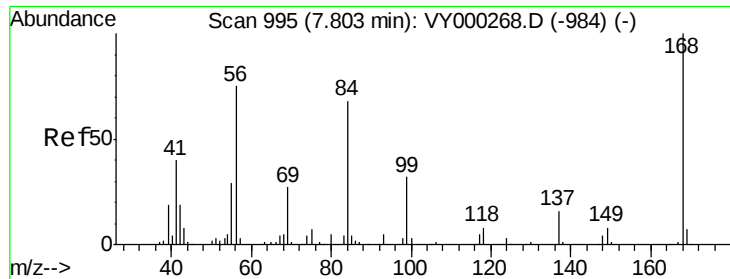
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
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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: VY000431.D

Acq: 25 Oct 2019 16:05

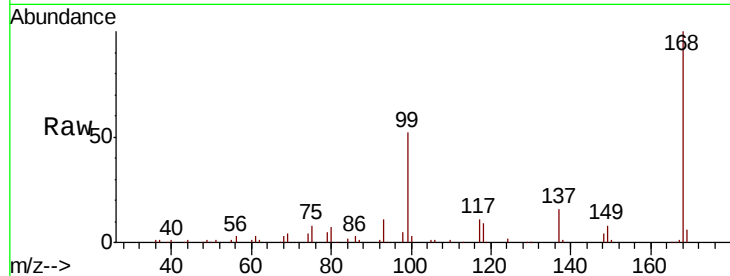
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 110487

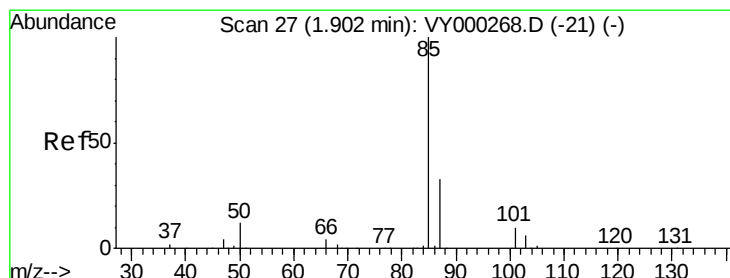
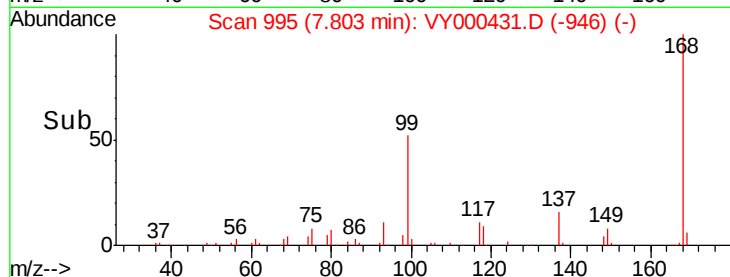
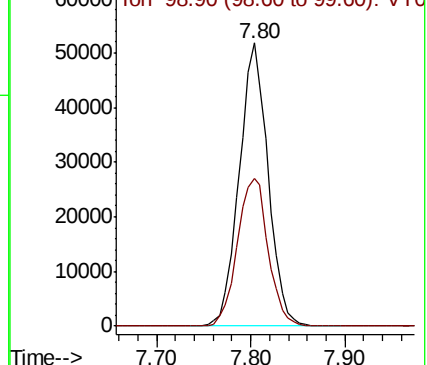
Ion Ratio Lower Upper

168 100

99 52.1 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000431.D

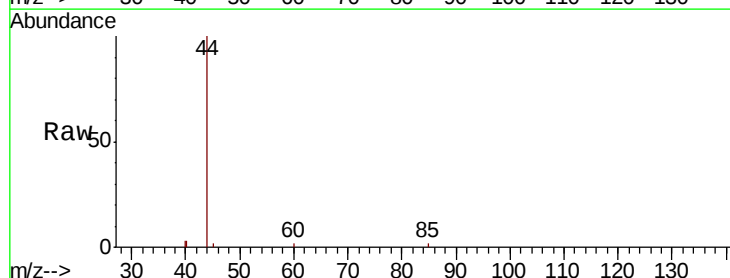
Acq: 25 Oct 2019 16:05

Tgt Ion: 85 Resp: 34

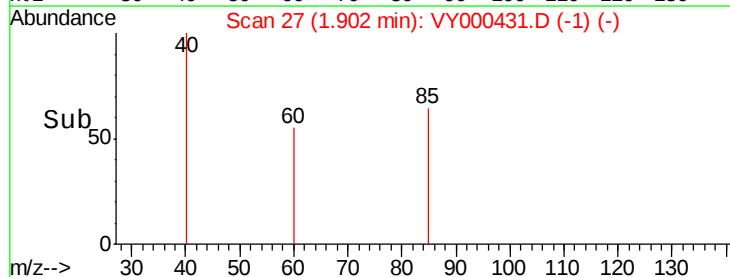
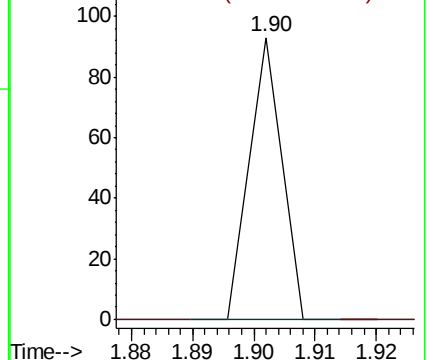
Ion Ratio Lower Upper

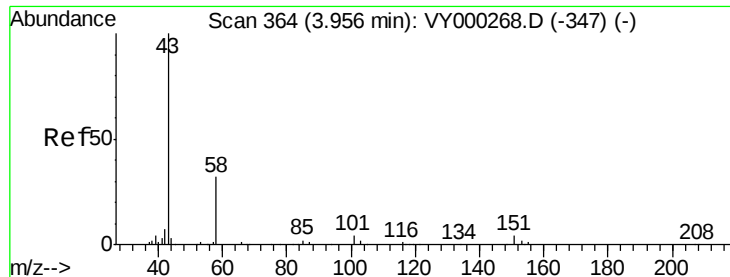
85 100

87 0.0 16.6 49.8#



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





#16

Acetone

Concen: 28.660 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_Y

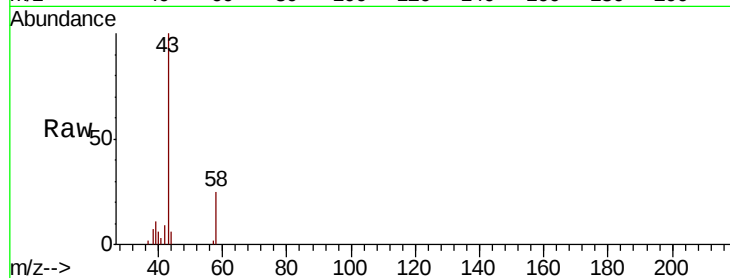
ClientSampleId :

Tot Ion: 43 Resp: 10817

Ion Ratio Lower Upper

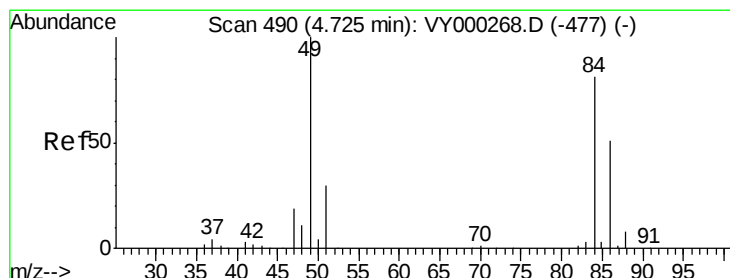
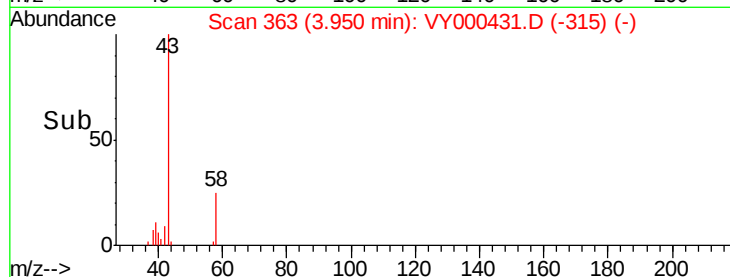
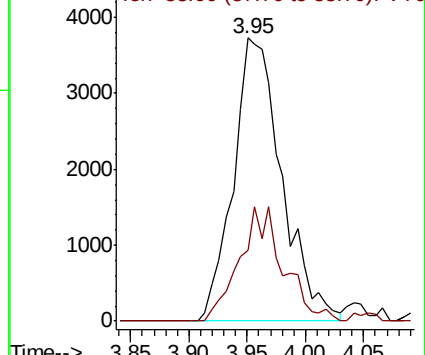
43 100

58 25.2 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY000431.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY000431.D (-315) (-)



#20

Methylene Chloride

Concen: 3.666 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

Tgt Ion: 84 Resp: 11068

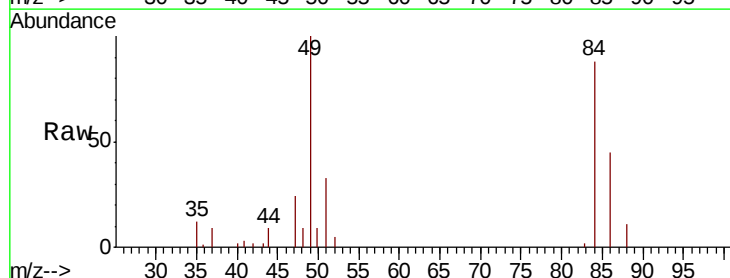
Ion Ratio Lower Upper

84 100

49 113.8 99.0 148.4

51 37.8 29.3 43.9

86 50.9 50.2 75.4

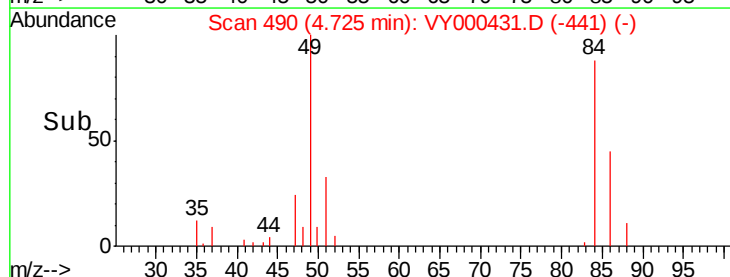
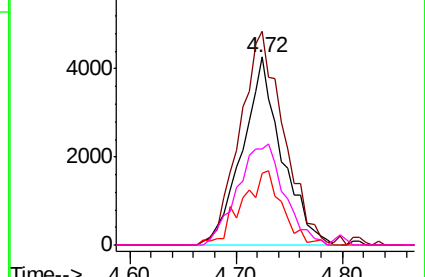


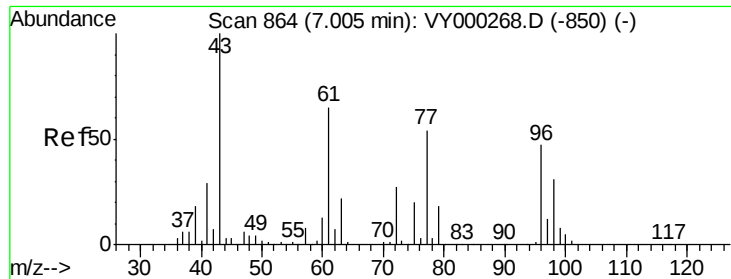
Abundance Ion 83.90 (83.60 to 84.60): VY000431.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY000431.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY000431.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY000431.D (-441) (-)





#25

2-Butanone

Concen: 8.234 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

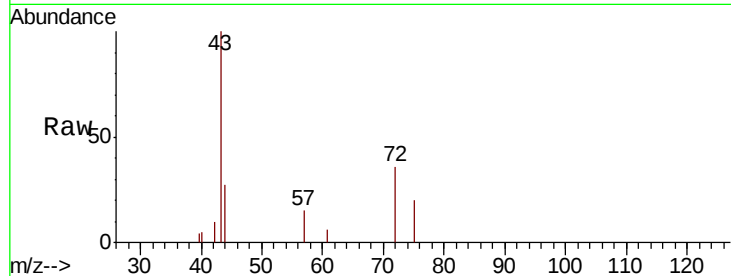
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 4378

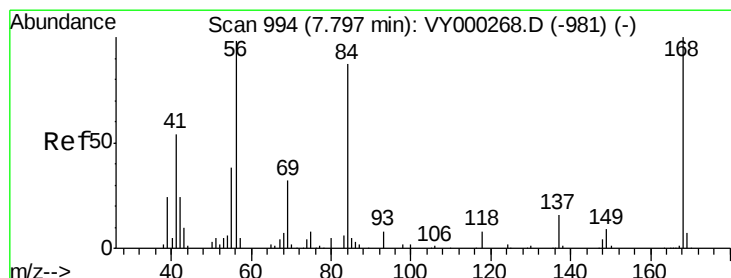
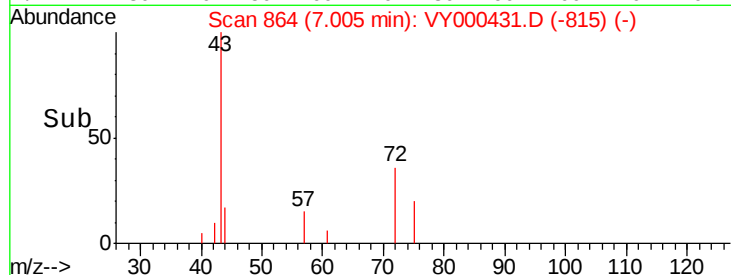
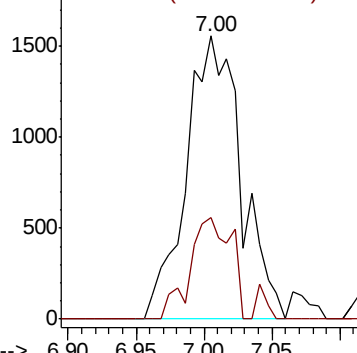
Ion Ratio Lower Upper

43 100

72 35.9 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: 1.302 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

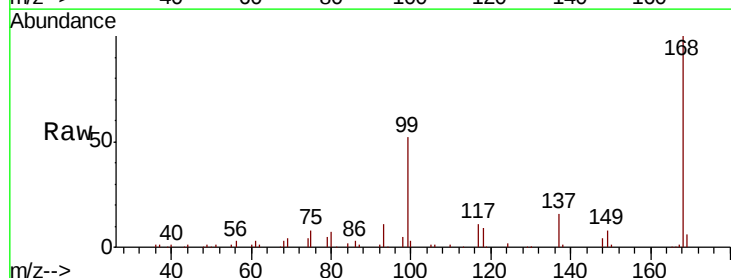
Tgt Ion: 56 Resp: 2903

Ion Ratio Lower Upper

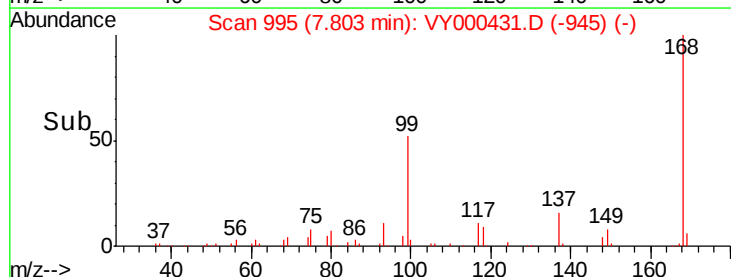
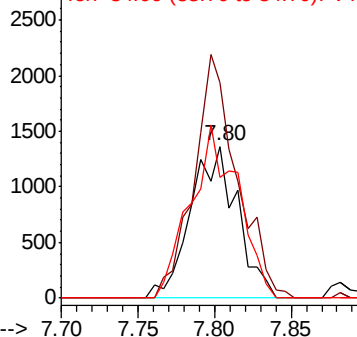
56 100

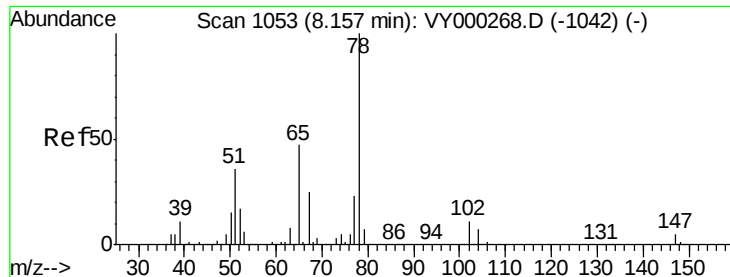
69 142.0 26.3 39.5#

84 79.5 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: 45.219 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_Y

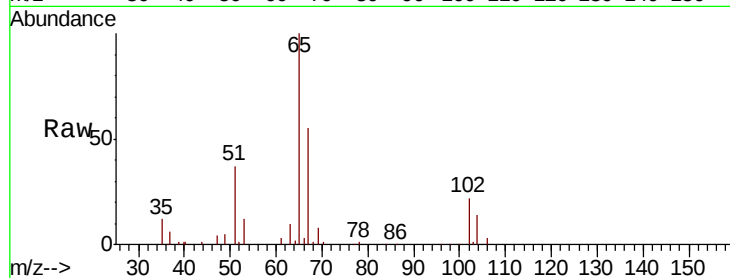
ClientSampled :

Tot Ion: 65 Resp: 52701

Ion Ratio Lower Upper

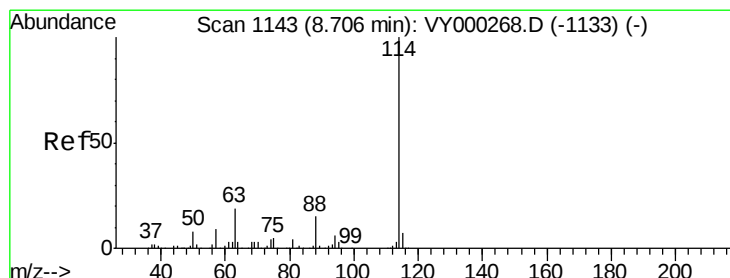
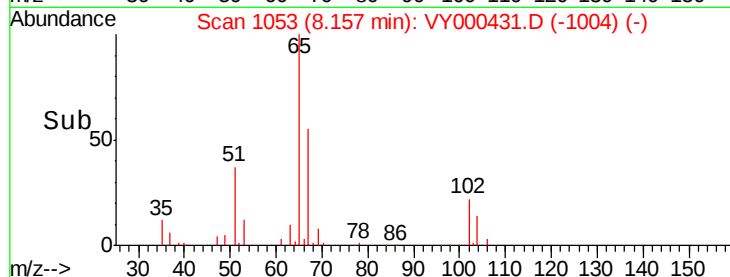
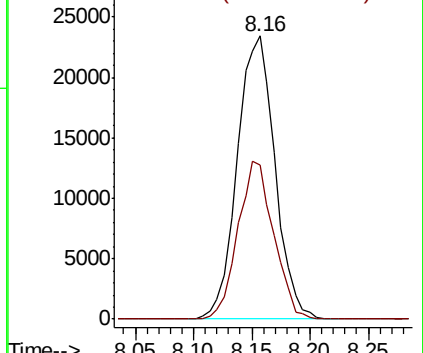
65 100

67 53.2 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: VY000431.D

Acq: 25 Oct 2019 16:05

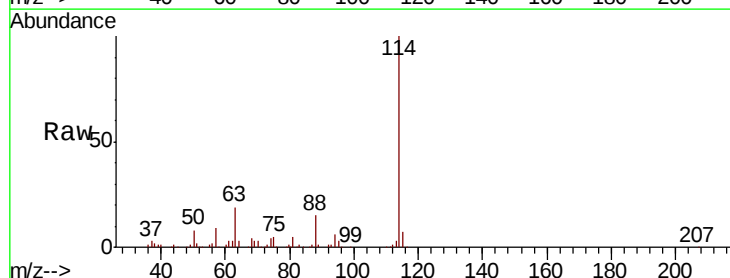
Tgt Ion: 114 Resp: 174020

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.2

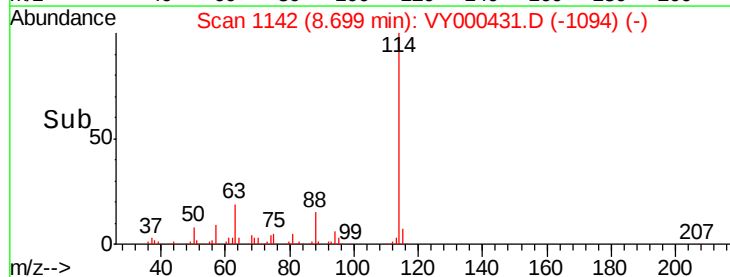
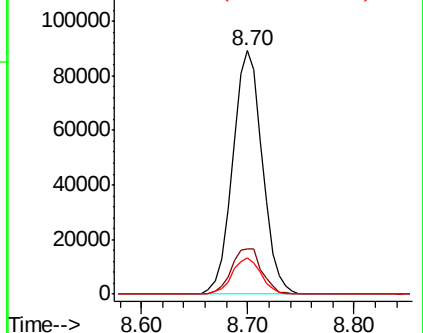
88 14.7 0.0 30.2

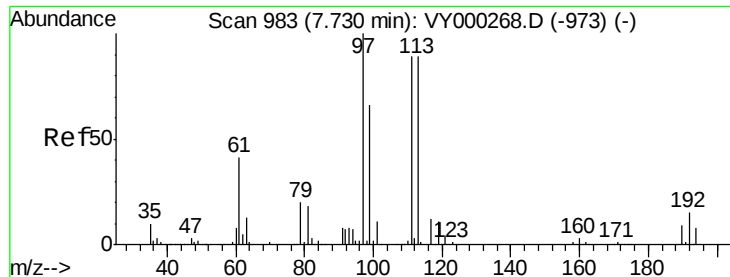


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

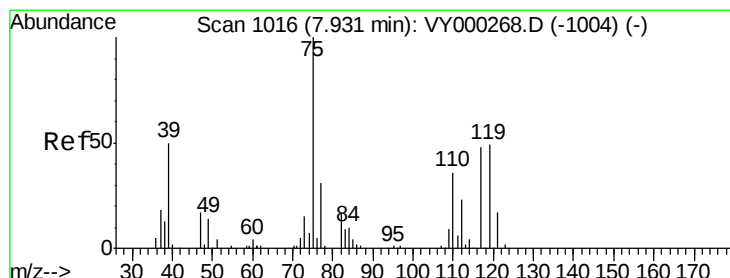
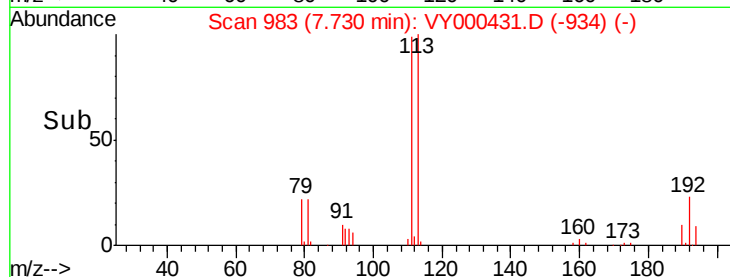
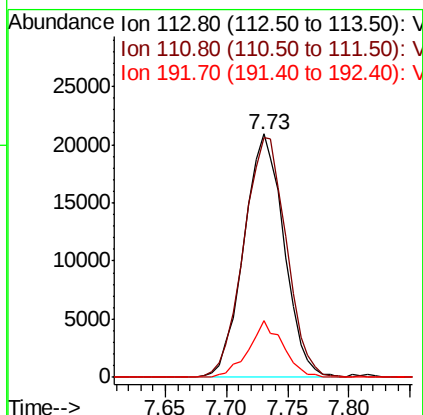
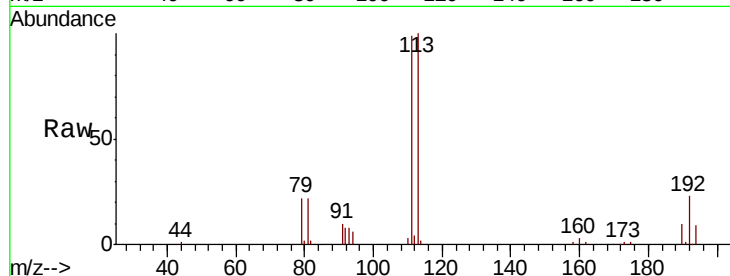




#35
 Dibromofluoromethane
 Concen: 45.476 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000431.D
 Acq: 25 Oct 2019 16:05

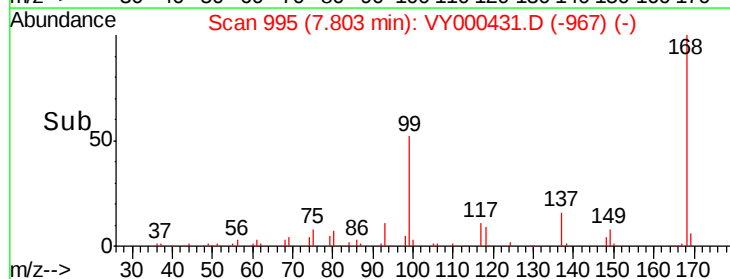
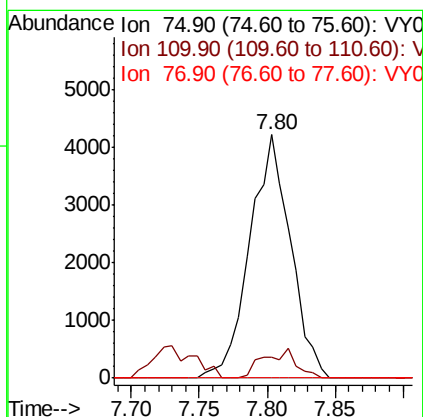
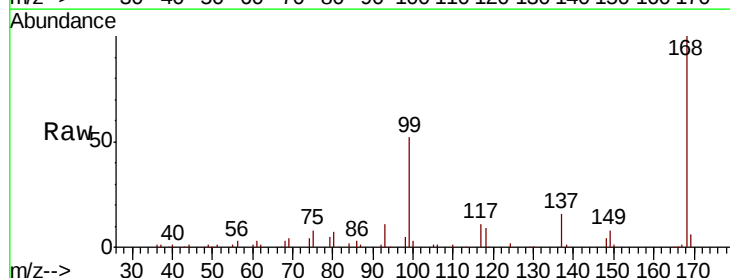
Instrument :
 MSVOA_Y
 ClientSampleId :

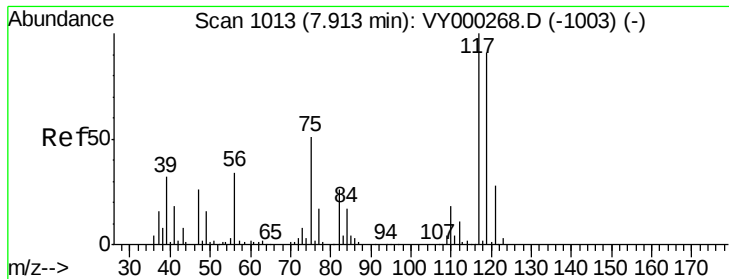
Tot Ion:113 Resp: 47736
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.6 122.4
 192 20.1 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000431.D
 Acq: 25 Oct 2019 16:05

Tgt Ion: 75 Resp: 8847
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.4#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.639 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_Y

ClientSampleId :

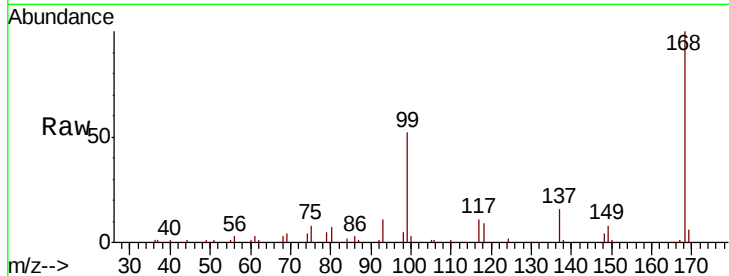
Tot Ion:117 Resp: 10952

Ion Ratio Lower Upper

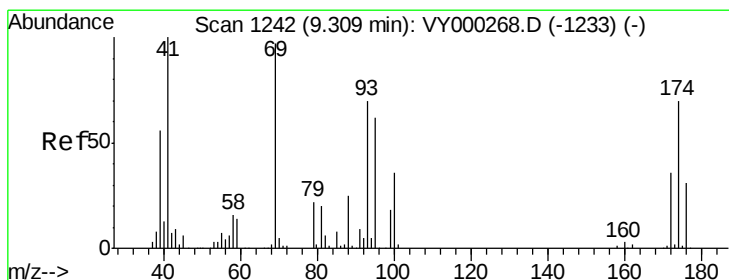
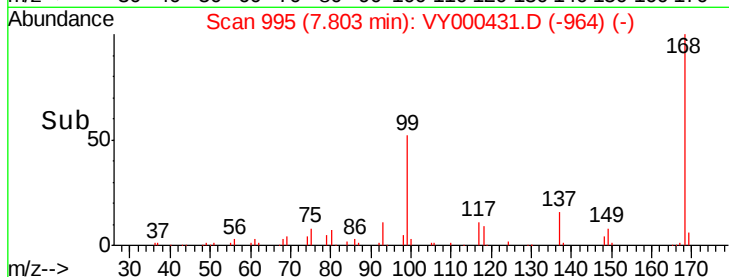
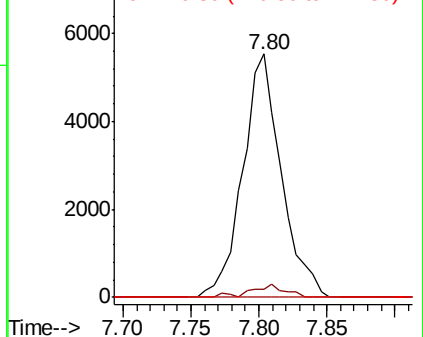
117 100

119 3.3 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: 2.863 ug/l

RT: 9.33 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

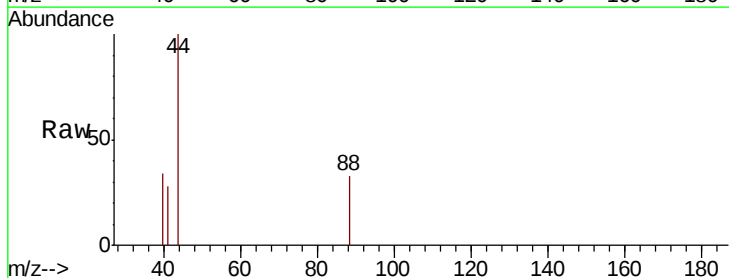
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

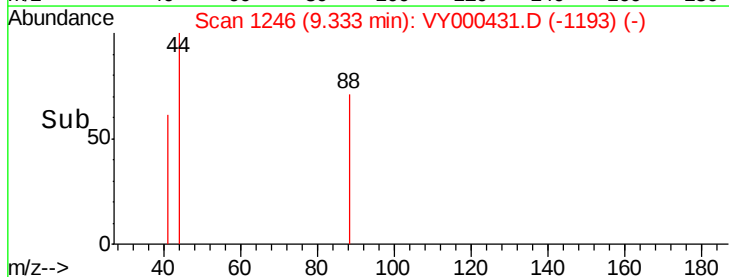
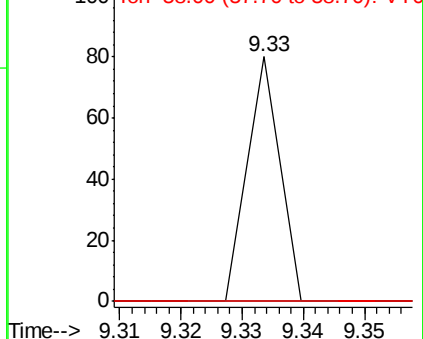
88 100

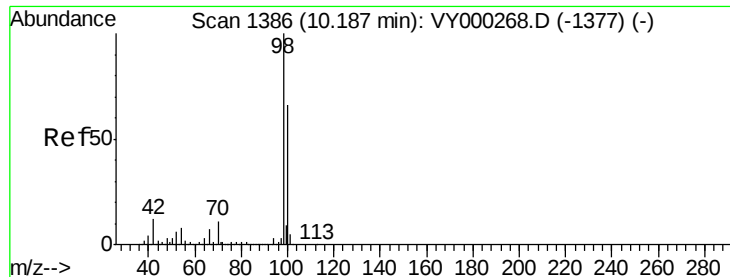
43 0.0 25.6 38.4#

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: 47.939 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_Y

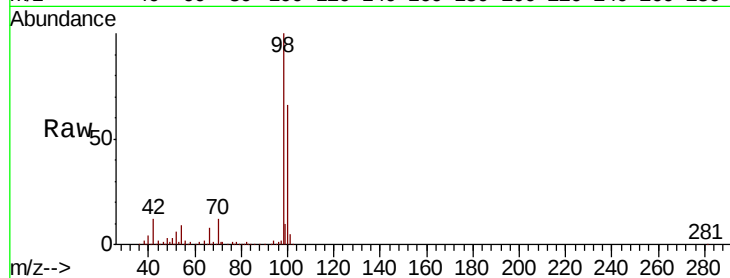
ClientSampled :

Tot Ion: 98 Resp: 193573

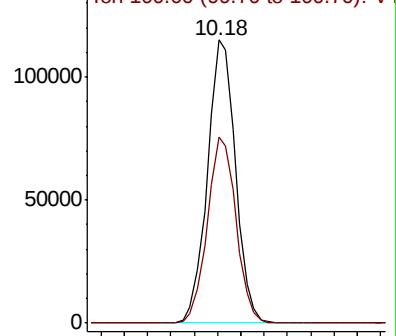
Ion Ratio Lower Upper

98 100

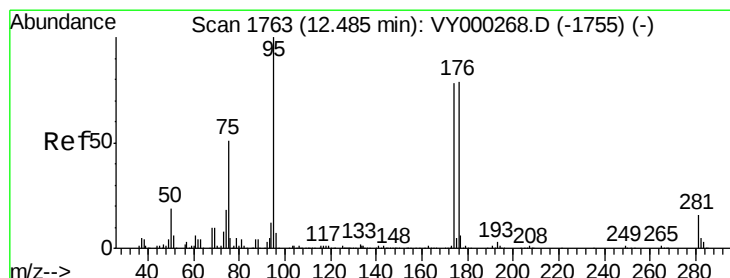
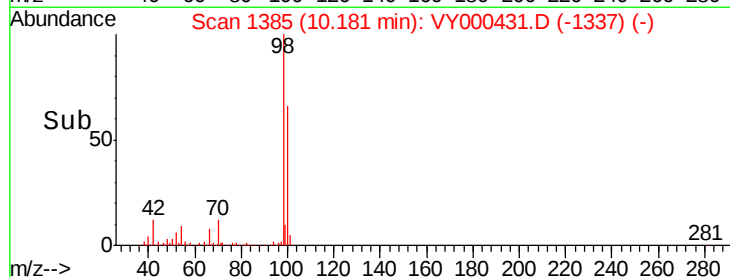
100 67.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000268.D (-1377) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 30.600 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

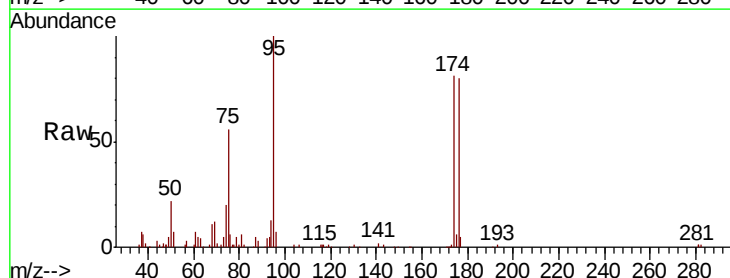
Tgt Ion: 95 Resp: 46942

Ion Ratio Lower Upper

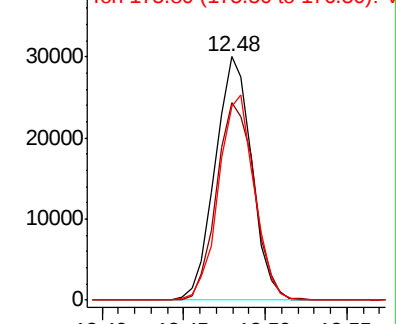
95 100

174 84.0 0.0 159.6

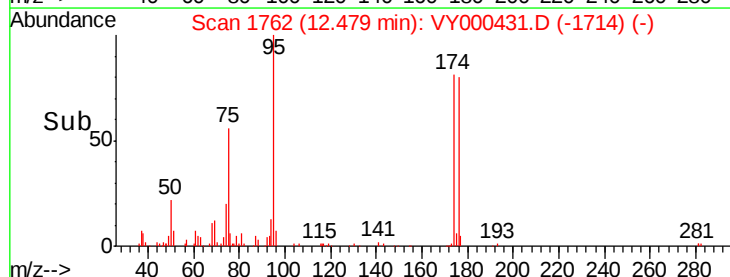
176 82.1 0.0 153.8

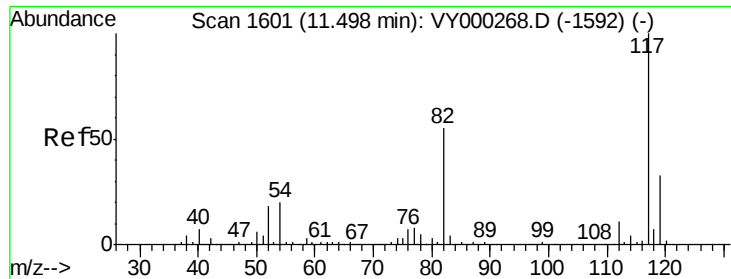


Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)



Time-->

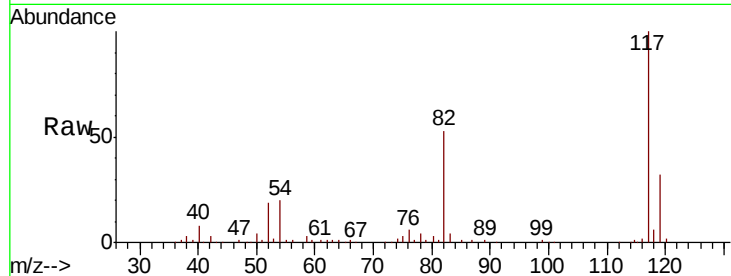




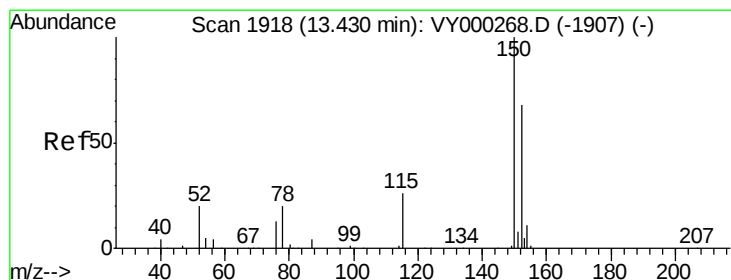
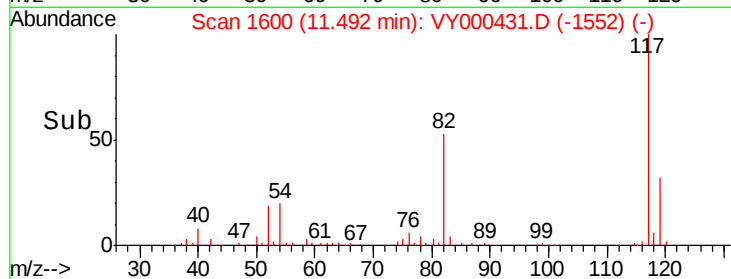
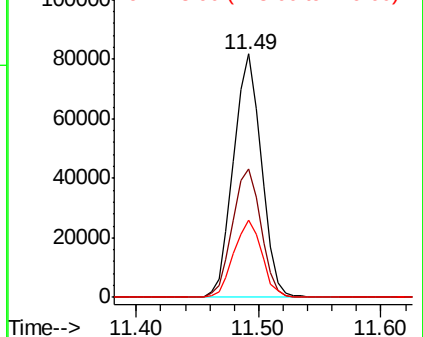
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000431.D
Acq: 25 Oct 2019 16:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 129384
Ion Ratio Lower Upper
117 100
82 52.7 43.7 65.5
119 31.9 26.6 39.8

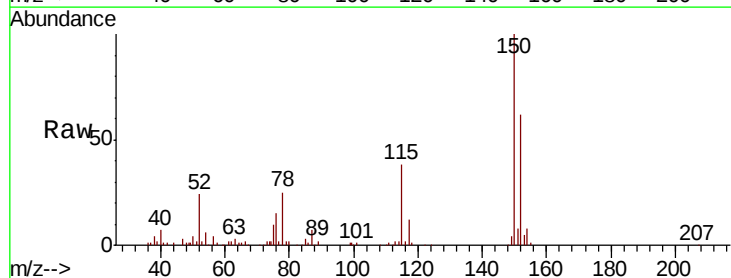


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

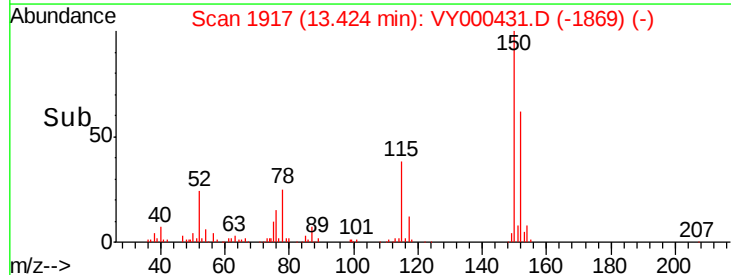
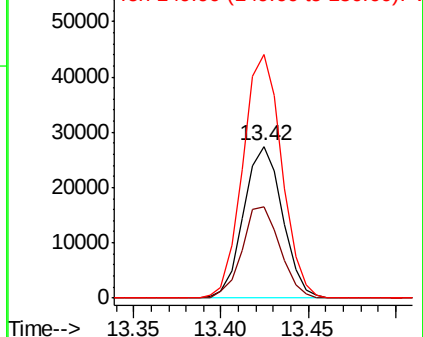


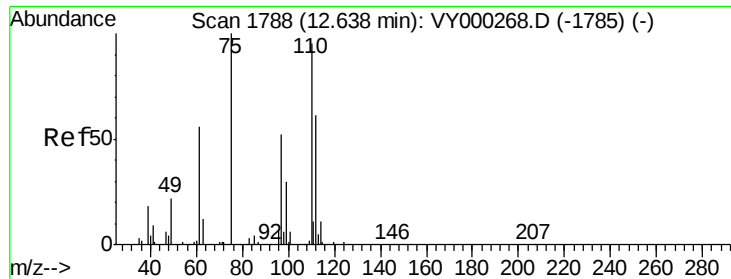
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000431.D
Acq: 25 Oct 2019 16:05

Tgt Ion:152 Resp: 42233
Ion Ratio Lower Upper
152 100
115 59.0 29.3 88.0
150 161.5 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: 48.843 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

Instrument :

MSVOA_Y

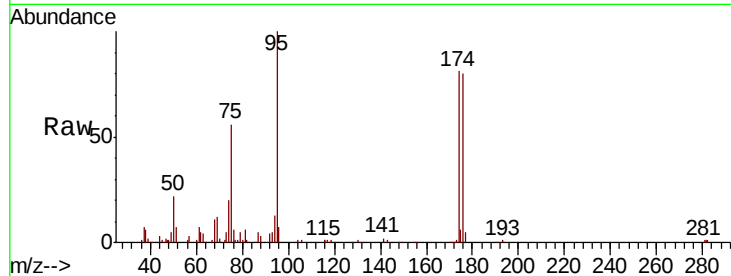
ClientSampleId :

Tot Ion: 75 Resp: 25365

Ion Ratio Lower Upper

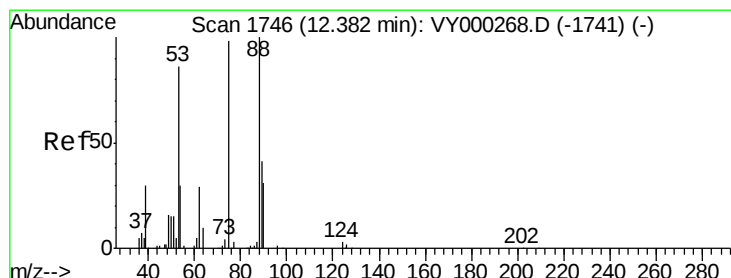
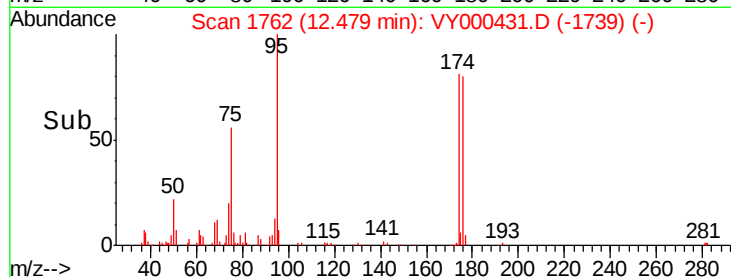
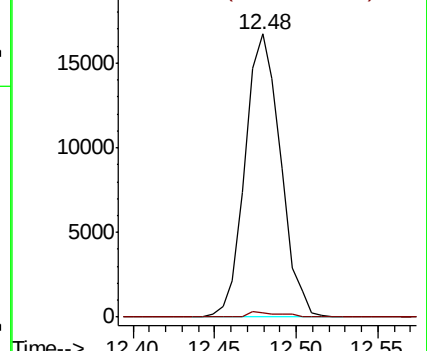
75 100

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: 106.866 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000431.D

Acq: 25 Oct 2019 16:05

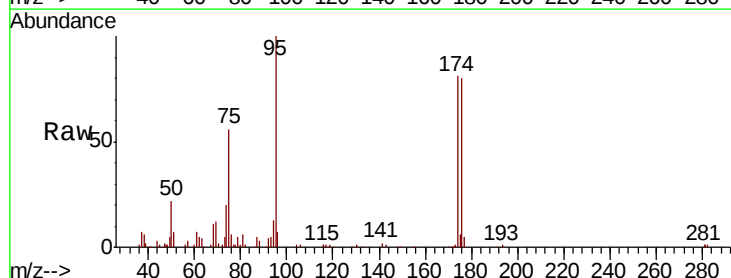
Tgt Ion: 75 Resp: 25365

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

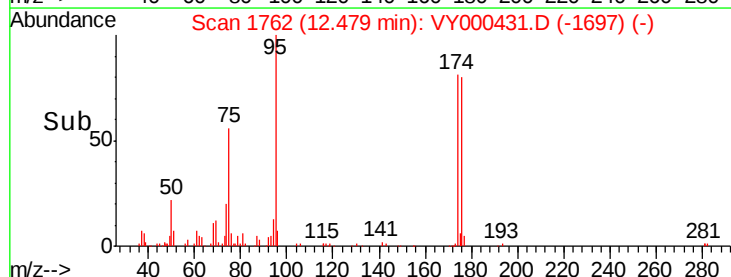
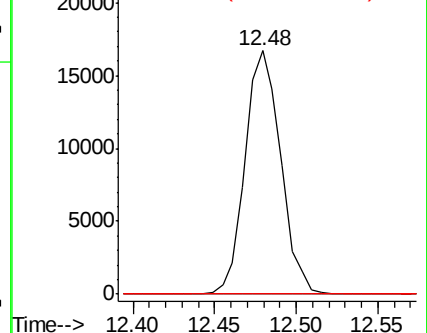
89 0.0 35.1 52.7#

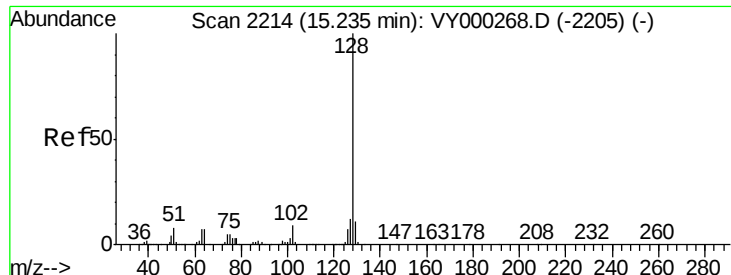


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

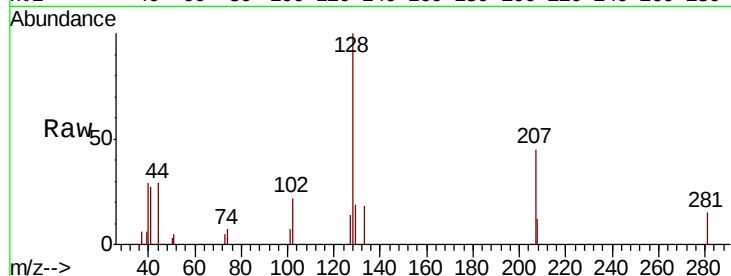




#95
Naphthalene
Concen: 1.303 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000431.D
Acq: 25 Oct 2019 16:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 2645
Ion Ratio Lower Upper
128 100
127 13.0 9.6 14.4
129 13.8 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

