

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000328.D
 Acq On : 16 Oct 2019 14:35
 Operator : SY/MD
 Sample : K5393-23
 Misc : 6.78G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 01:36:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	283684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	466751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	373998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128717	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	154178	51.52	ug/l	0.00
Spiked Amount						
			Recovery	=	103.04%	
35) Dibromofluoromethane	7.73	113	136482	48.48	ug/l	0.00
Spiked Amount						
			Recovery	=	96.96%	
50) Toluene-d8	10.19	98	538506	49.72	ug/l	0.00
Spiked Amount						
			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.48	95	151079	36.72	ug/l	0.00
Spiked Amount						
			Recovery	=	73.44%	

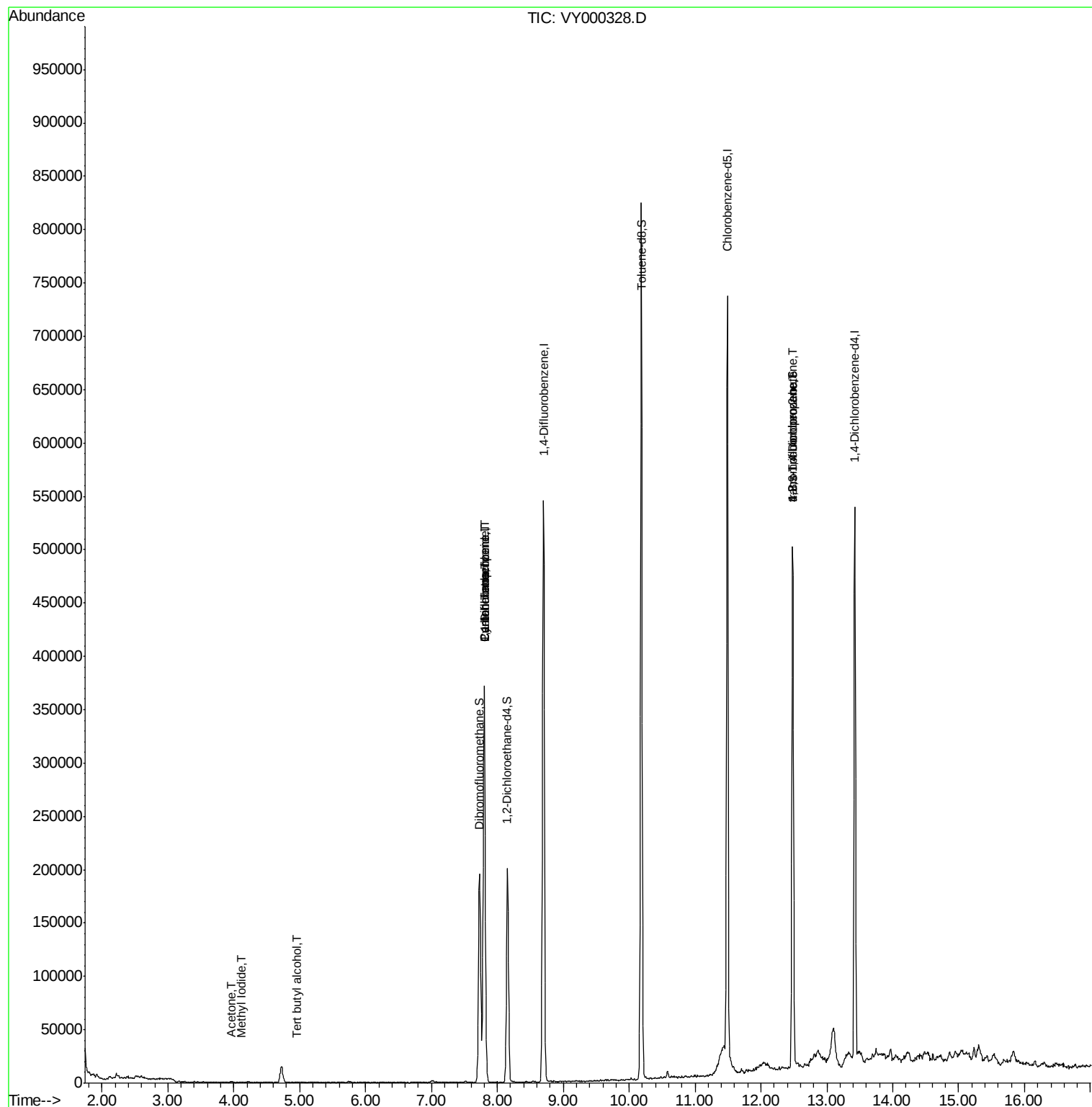
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	192	Below Cal	#	41
10) Methyl Iodide	4.11	142	63	1.201	ug/l #	41
11) Tert butyl alcohol	4.95	59	465	1.485	ug/l #	73
16) Acetone	3.96	43	1006	1.038	ug/l #	59
20) Methylene Chloride	4.72	84	10288	Below Cal		93
31) Cyclohexane	7.80	56	7145	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22093	4.835	ug/l #	49
38) Carbon Tetrachloride	7.80	117	27856	6.296	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	78984	49.902	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78984	109.184	ug/l #	14

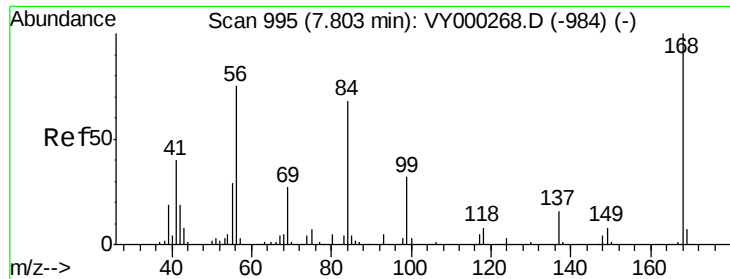
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000328.D

Acq: 16 Oct 2019 14:35

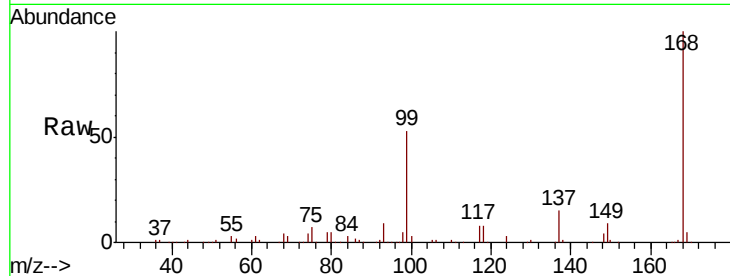
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 283684

Ion Ratio Lower Upper

168 100

99 52.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000328.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000328.D (-984) (-)

7.80

150000

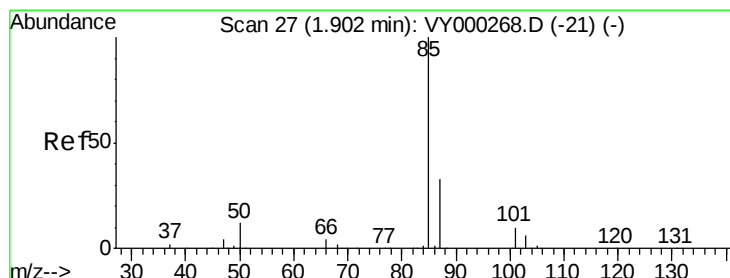
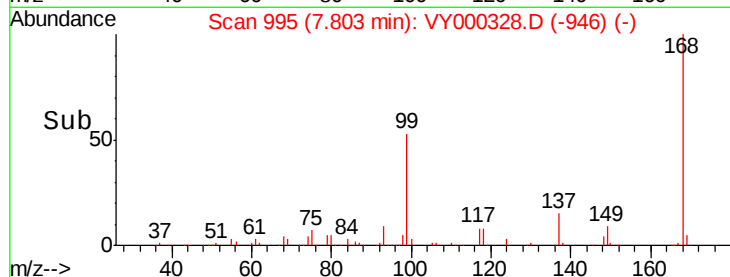
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000328.D

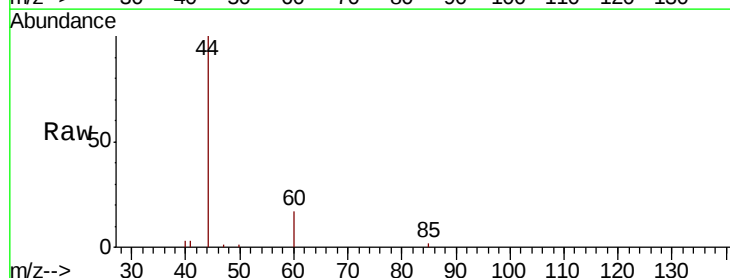
Acq: 16 Oct 2019 14:35

Tgt Ion: 85 Resp: 192

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000328.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000328.D (-1) (-)

1.90

150

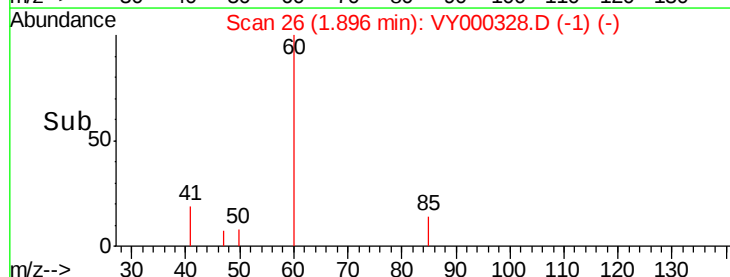
100

50

0

1.86 1.88 1.90 1.92 1.94

Time-->

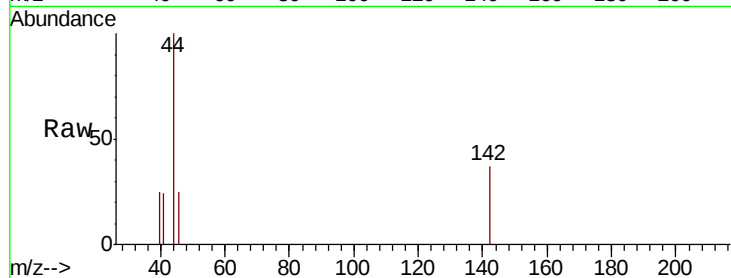




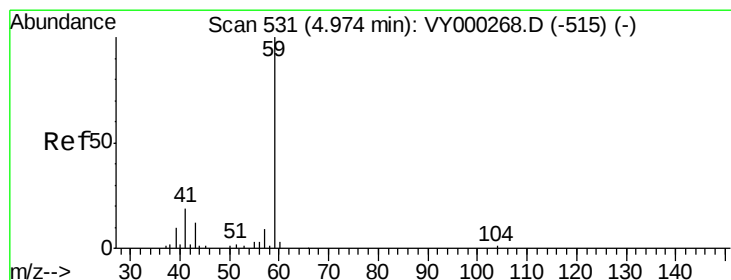
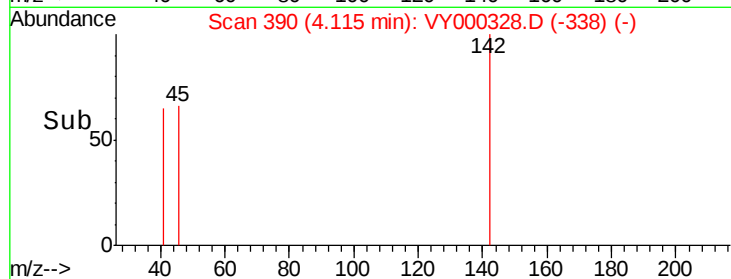
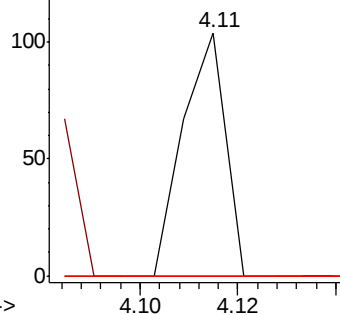
#10
Methyl Iodide
Concen: 1.201 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.02 min
Lab File: VY000328.D
Acq: 16 Oct 2019 14:35

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

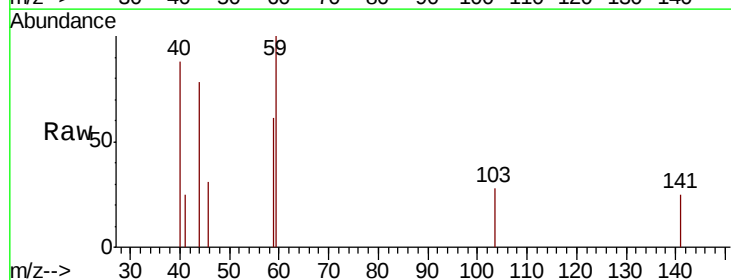


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

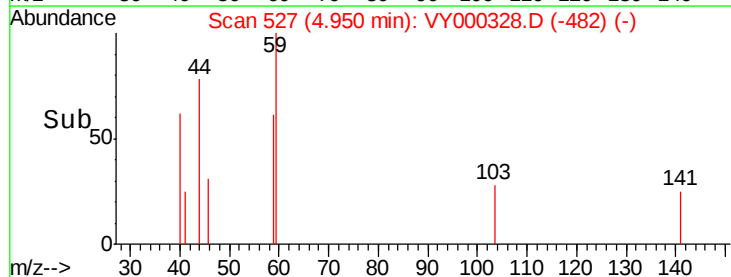
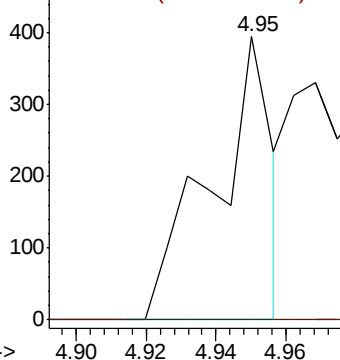


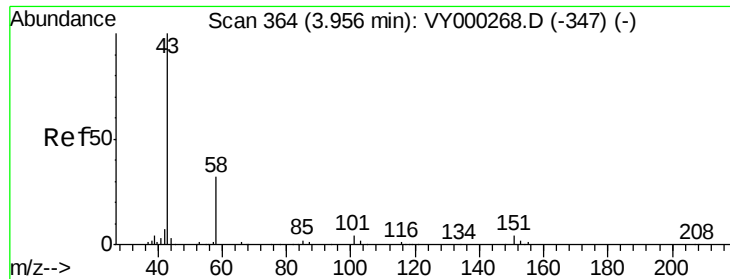
#11
Tert butyl alcohol
Concen: 1.485 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000328.D
Acq: 16 Oct 2019 14:35

Tgt Ion: 59 Resp: 465
Ion Ratio Lower Upper
59 100
57 0.0 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: 1.038 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

Instrument :

MSVOA_Y

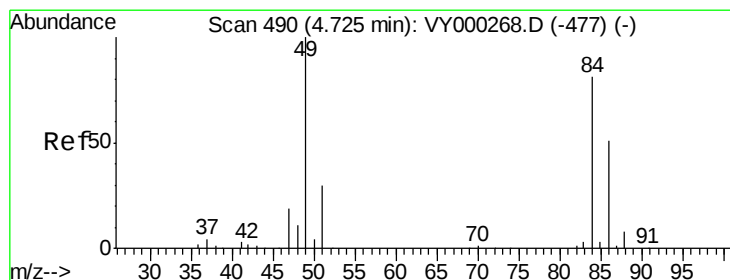
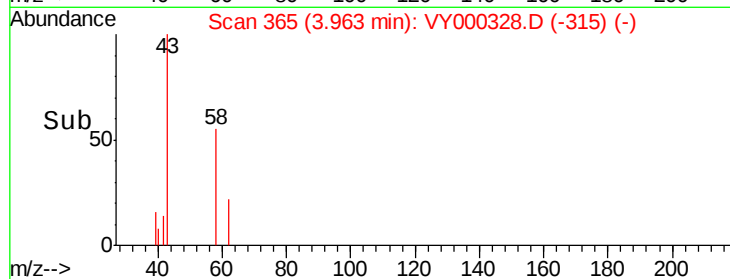
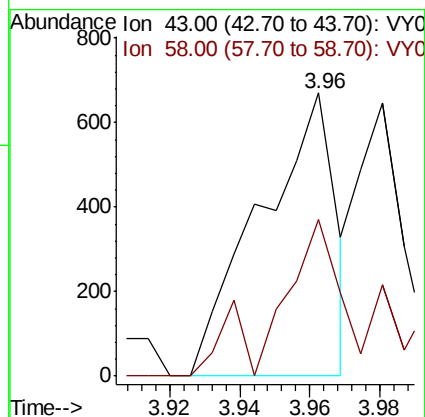
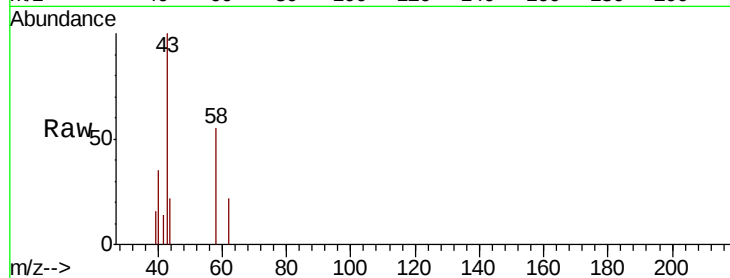
ClientSampleId :

Tot Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

58 55.4 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

Tgt Ion: 84 Resp: 10288

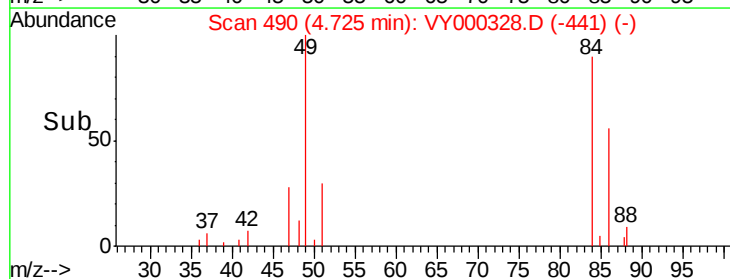
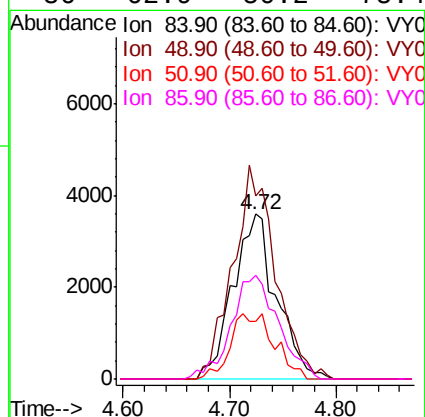
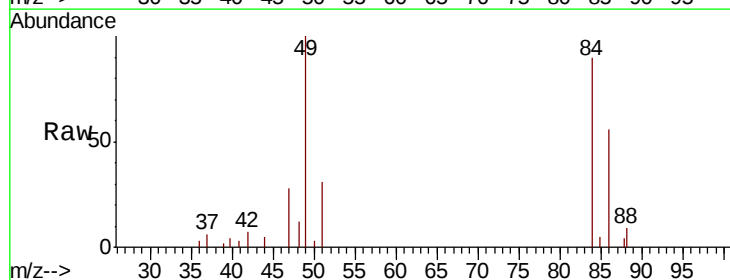
Ion Ratio Lower Upper

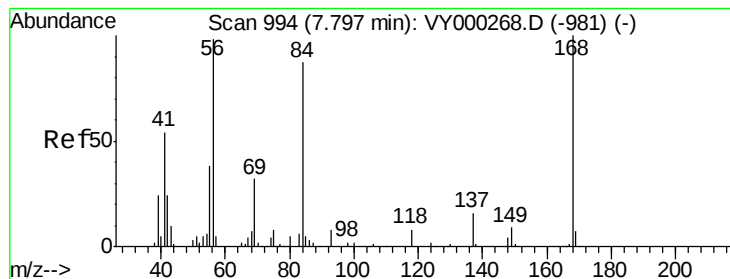
84 100

49 111.5 99.0 148.4

51 34.7 29.3 43.9

86 62.9 50.2 75.4





#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

Instrument :
MSVOA_Y
ClientSampled :

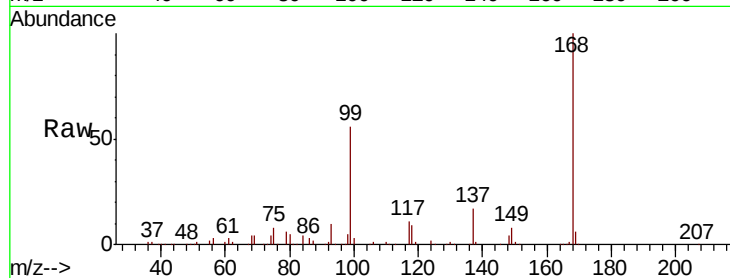
Tot Ion: 56 Resp: 7145

Ion Ratio Lower Upper

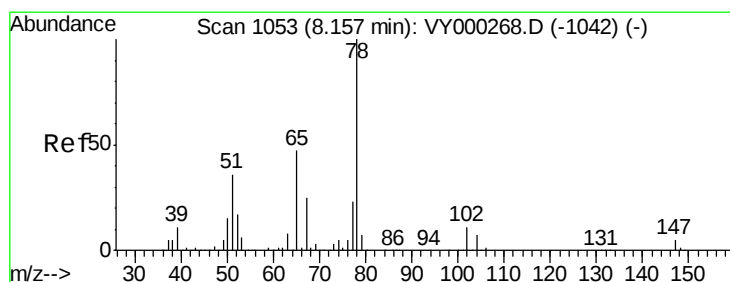
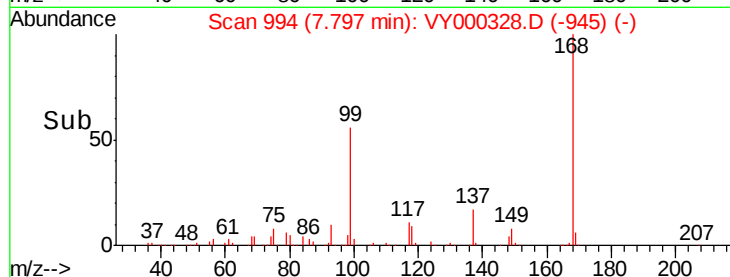
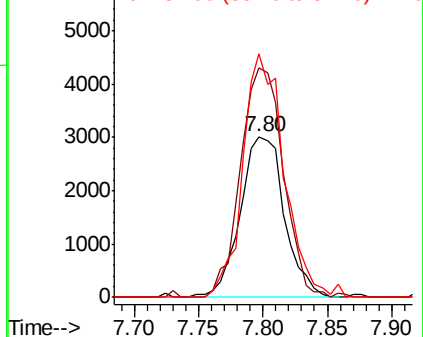
56 100

69 142.7 26.3 39.5#

84 151.3 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: 51.523 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000328.D

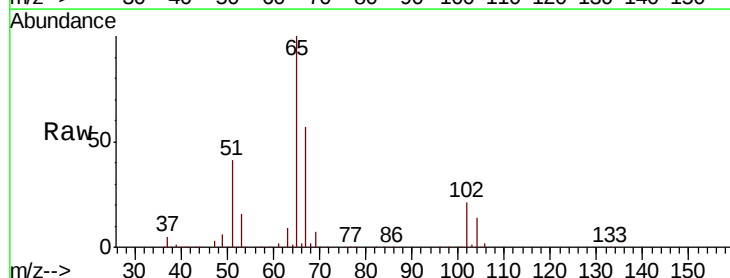
Acq: 16 Oct 2019 14:35

Tgt Ion: 65 Resp: 154178

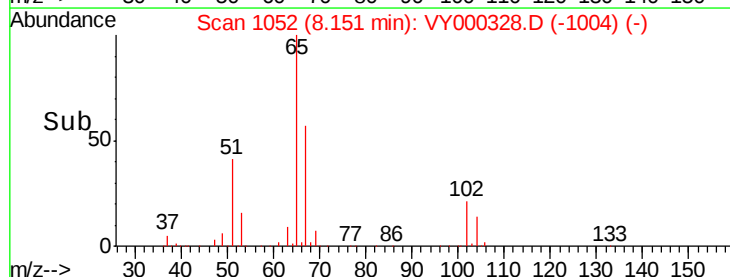
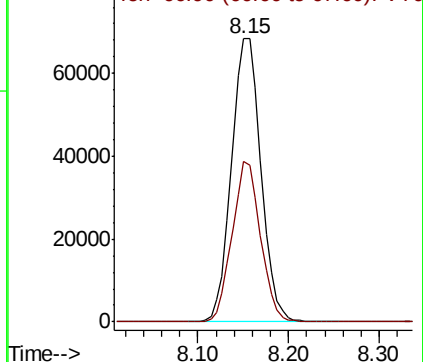
Ion Ratio Lower Upper

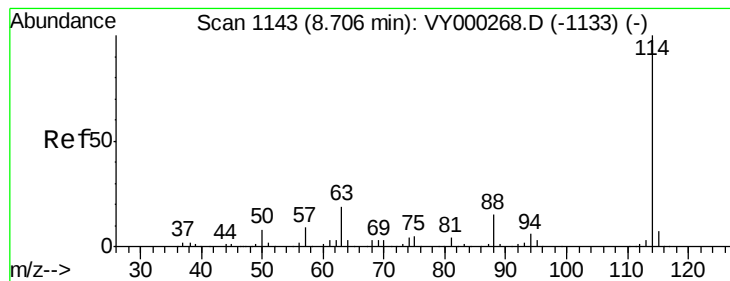
65 100

67 54.4 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: VY000328.D

Acq: 16 Oct 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

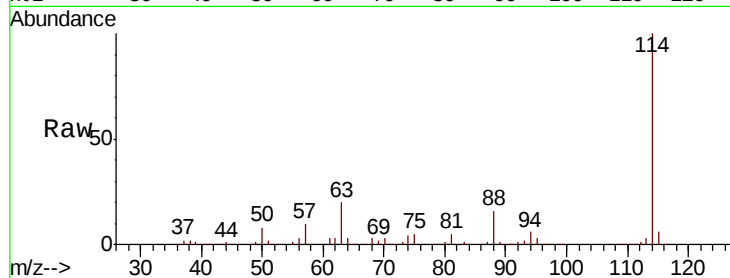
Tot Ion:114 Resp: 466751

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.2

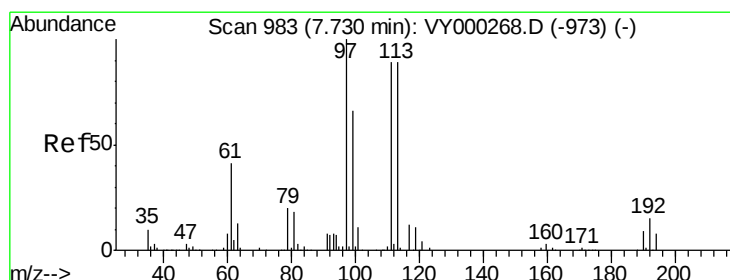
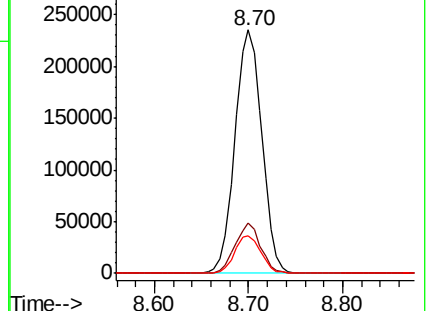
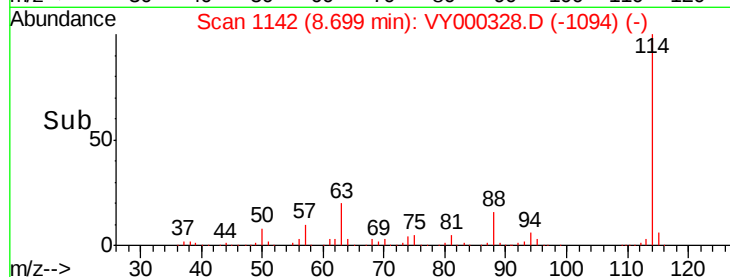
88 15.7 0.0 30.2



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: 48.475 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

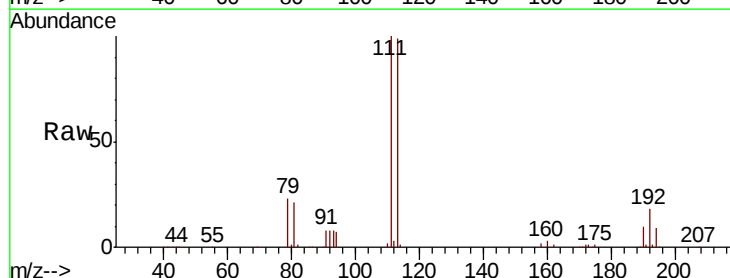
Tgt Ion:113 Resp: 136482

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

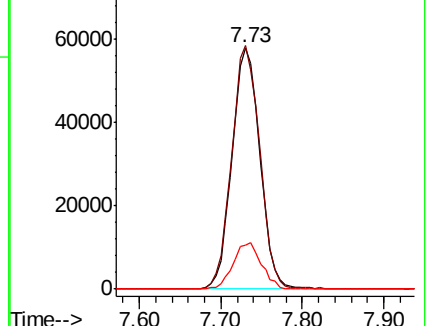
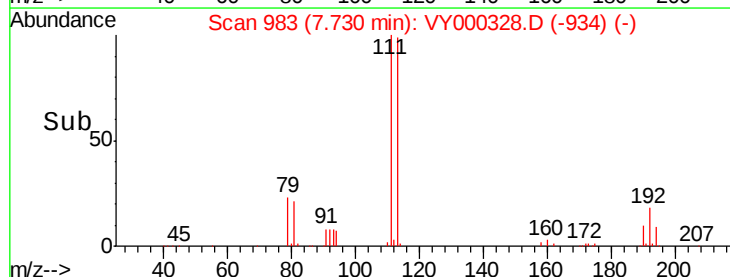
192 19.5 15.3 22.9

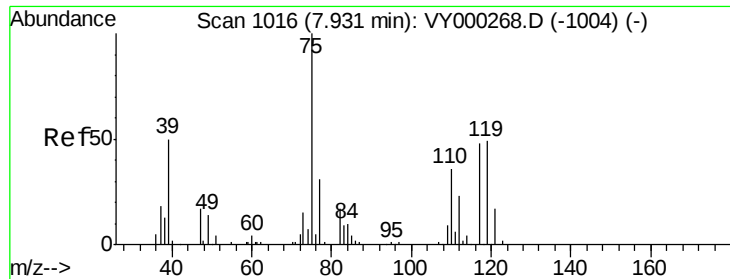


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

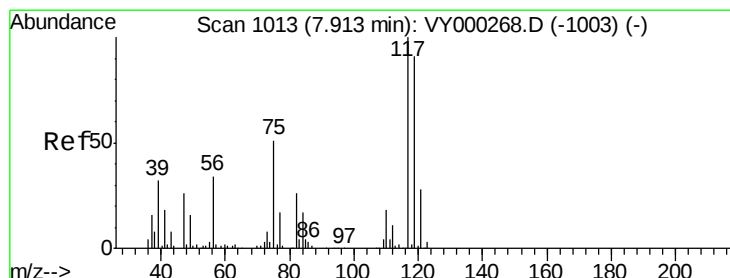
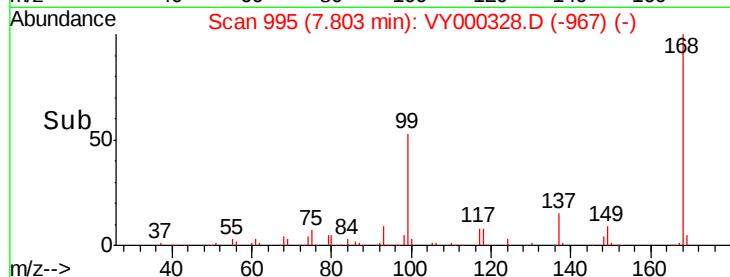
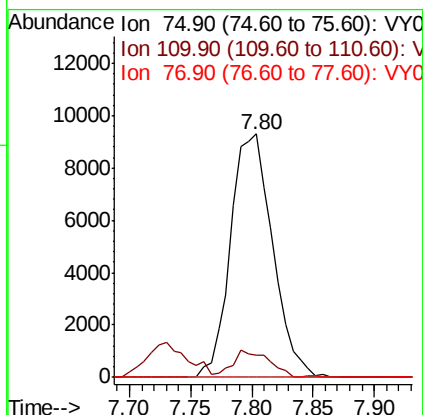
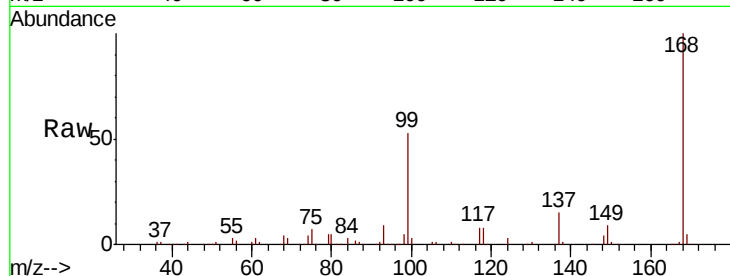




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000328.D
 Acq: 16 Oct 2019 14:35

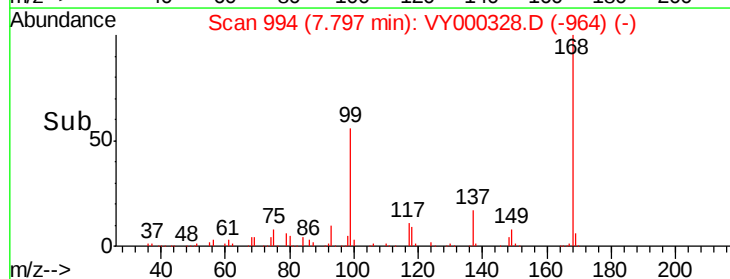
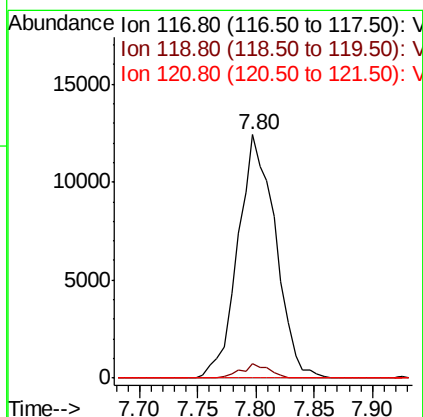
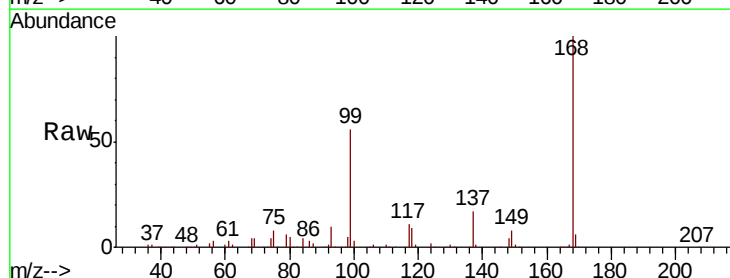
Instrument :
 MSVOA_Y
 ClientSampleId :

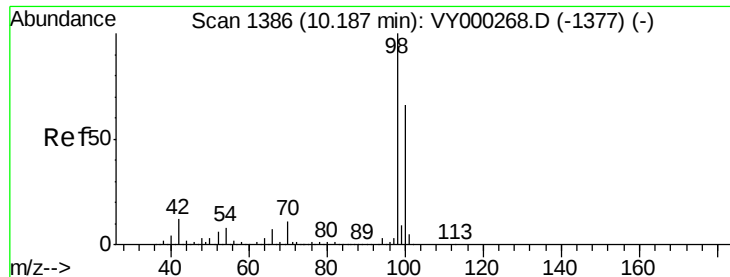
Tot Ion	75	Resp	22093
Ion Ratio	Lower	Upper	
75	100		
110	9.4	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.296 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000328.D
 Acq: 16 Oct 2019 14:35

Tgt Ion	117	Resp	27856
Ion Ratio	Lower	Upper	
117	100		
119	6.0	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.722 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

Instrument :

MSVOA_Y

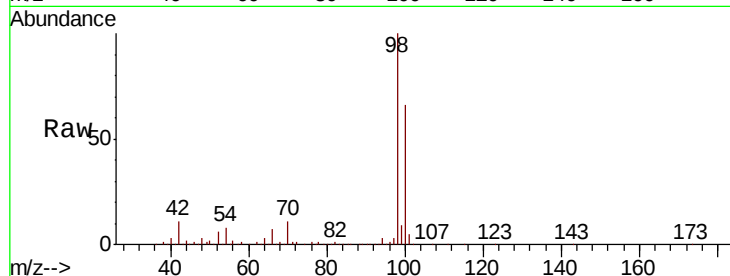
ClientSampleId :

Tot Ion: 98 Resp: 538506

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000328.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY000328.D (-1377) (-)

10.19

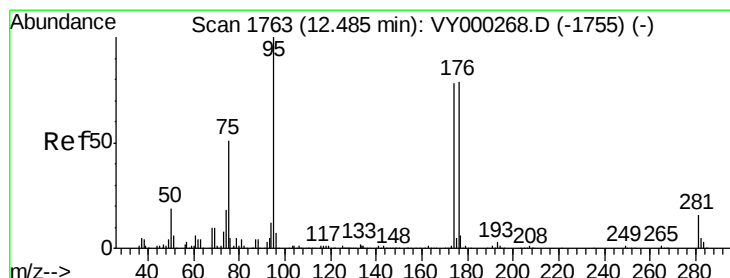
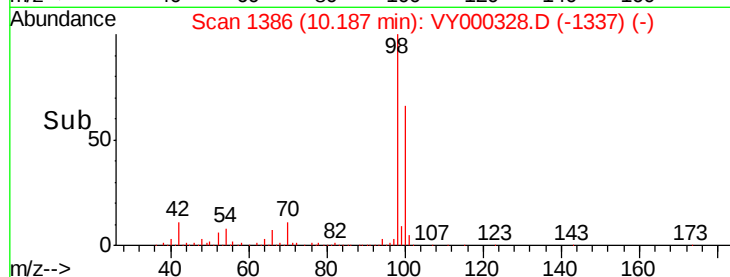
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 36.718 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

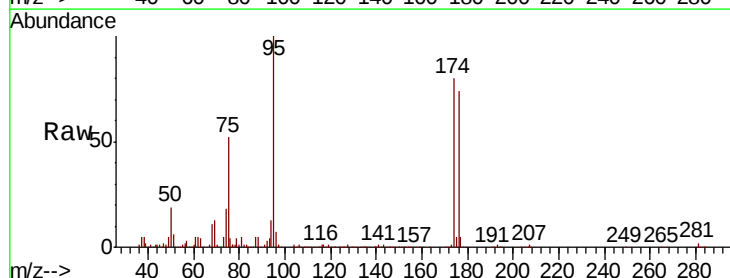
Tgt Ion: 95 Resp: 151079

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.6

176 76.5 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000328.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY000328.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY000328.D (-1714) (-)

12.48

120000

100000

80000

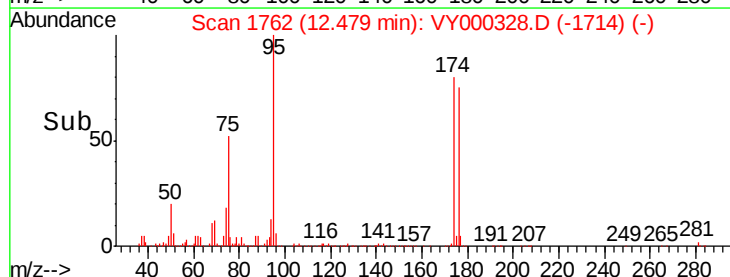
60000

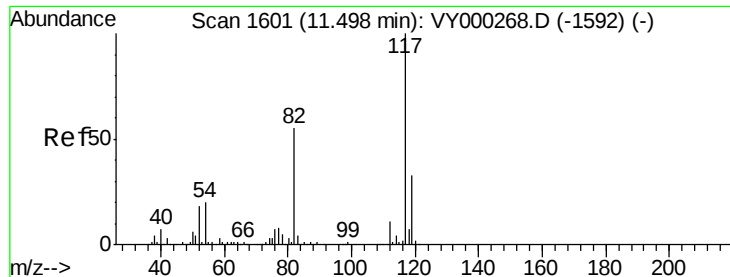
40000

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: VY000328.D

Acq: 16 Oct 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

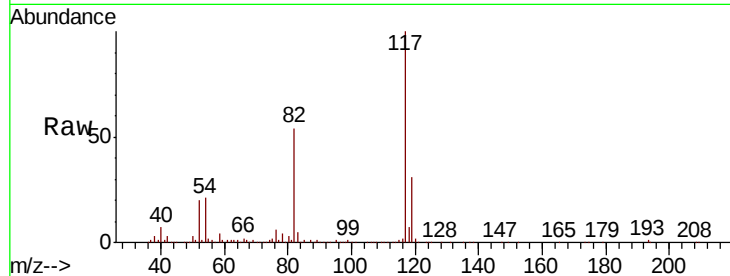
Tot Ion:117 Resp: 373998

Ion Ratio Lower Upper

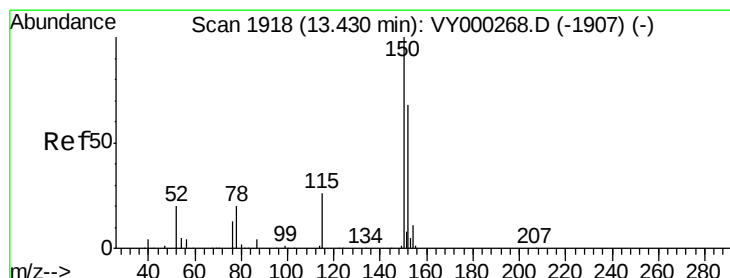
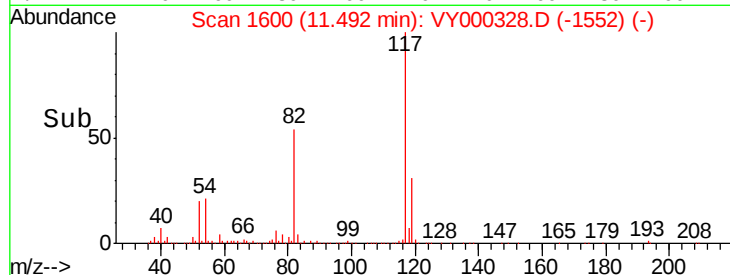
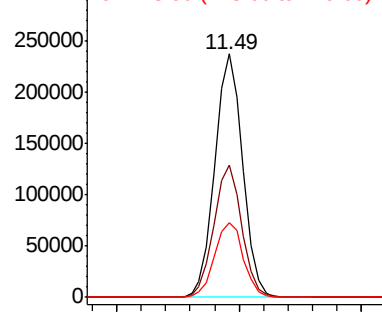
117 100

82 54.3 43.7 65.5

119 30.8 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: VY000328.D

Acq: 16 Oct 2019 14:35

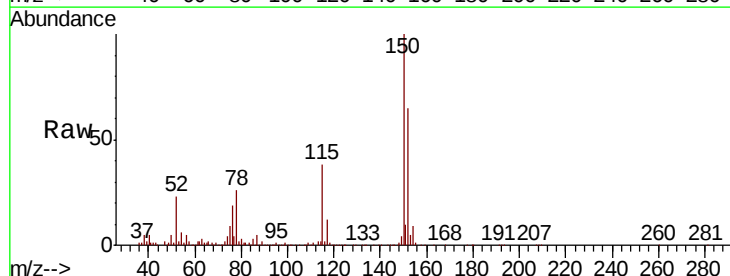
Tgt Ion:152 Resp: 128717

Ion Ratio Lower Upper

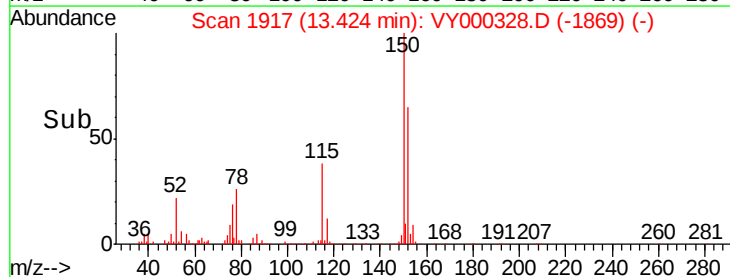
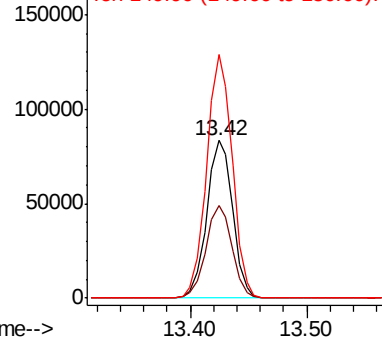
152 100

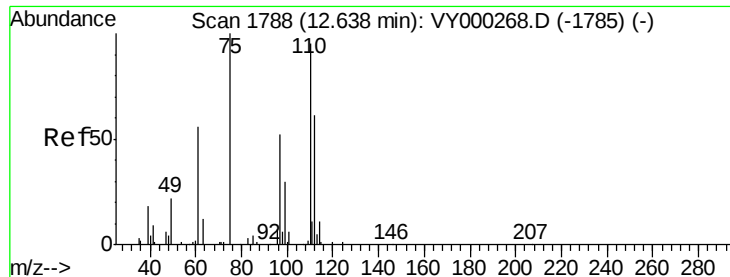
115 58.5 29.3 88.0

150 153.4 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: 49.902 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

Instrument :

MSVOA_Y

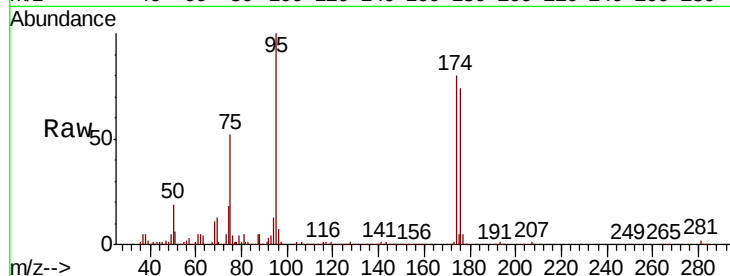
ClientSampled :

Tot Ion: 75 Resp: 78984

Ion Ratio Lower Upper

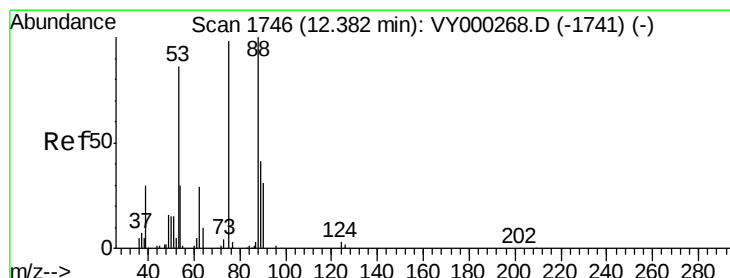
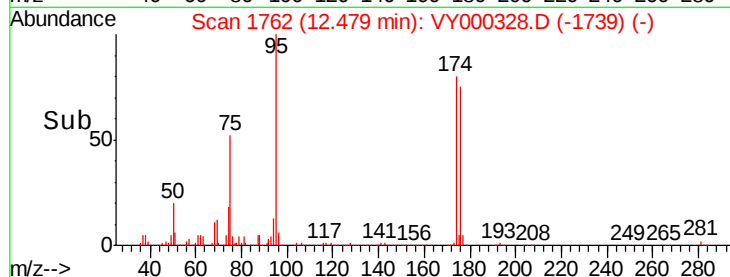
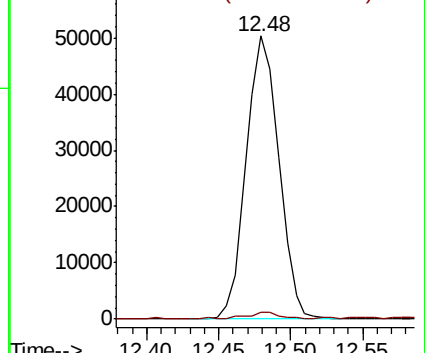
75 100

77 1.8 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: 109.184 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000328.D

Acq: 16 Oct 2019 14:35

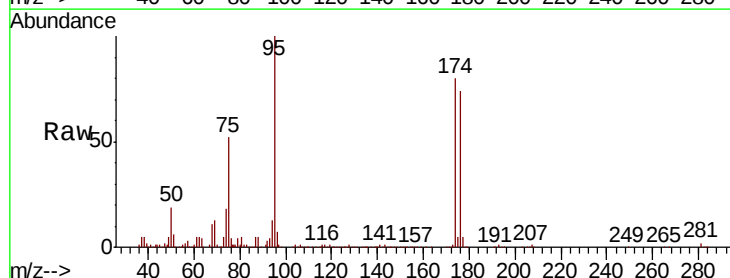
Tgt Ion: 75 Resp: 78984

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.3 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

