

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000298.D
 Acq On : 14 Oct 2019 14:49
 Operator : SY/MD
 Sample : K5323-05RE
 Misc : 6.99g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:15:14 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	236172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	450190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	393653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176813	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	151982	61.01	ug/l	0.00
Spiked Amount			Recovery	=	122.02%	
35) Dibromofluoromethane	7.73	113	132687	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.18	98	526567	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.48	95	179208	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

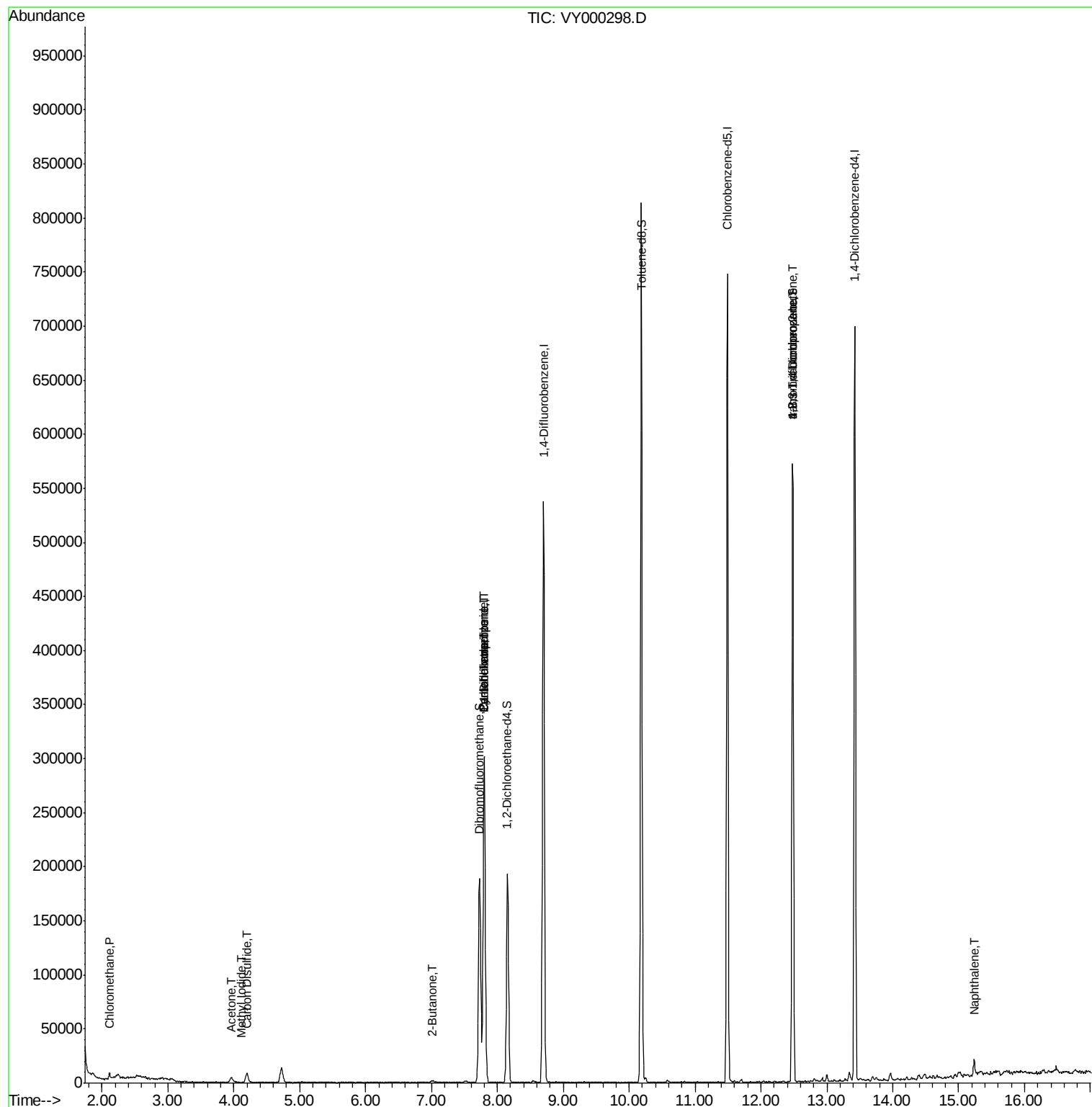
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	35	Below Cal	#	41
3) Chloromethane	2.11	50	3919	1.358	ug/l	98
10) Methyl Iodide	4.12	142	38	1.197	ug/l #	11
16) Acetone	3.96	43	8891	11.020	ug/l	96
17) Carbon Disulfide	4.20	76	17315	2.306	ug/l #	91
20) Methylene Chloride	4.72	84	9767	Below Cal	#	86
25) 2-Butanone	7.01	43	2651	2.333	ug/l	94
31) Cyclohexane	7.80	56	5426	1.138	ug/l #	8
36) 1,1-Dichloropropene	7.80	75	17584	3.989	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21800	5.108	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	93978	43.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93978	94.573	ug/l #	14
95) Naphthalene	15.23	128	10070	1.185	ug/l	98

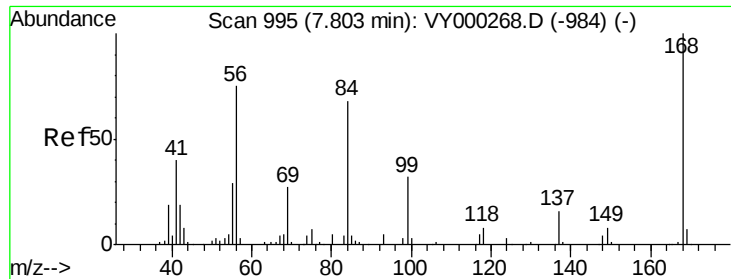
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000298.D

Acq: 14 Oct 2019 14:49

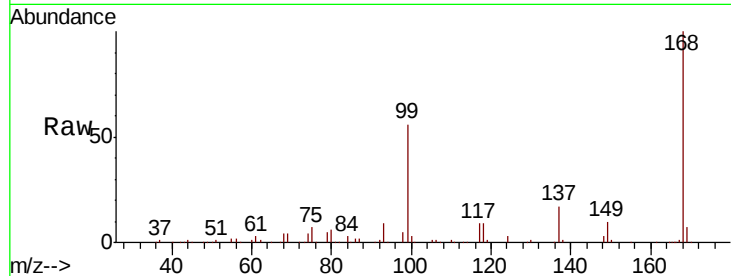
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 236172

Ion Ratio Lower Upper

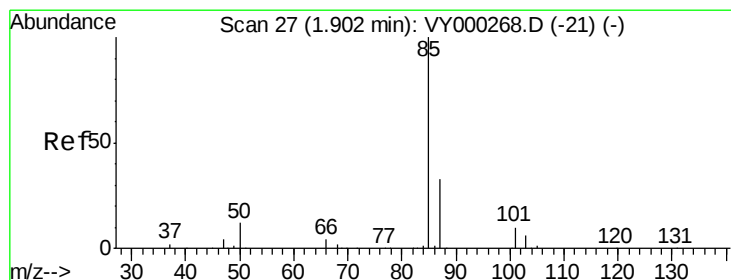
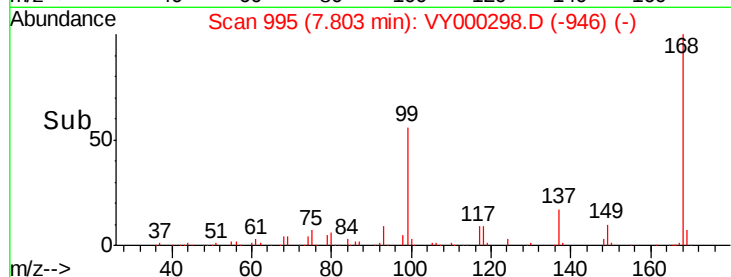
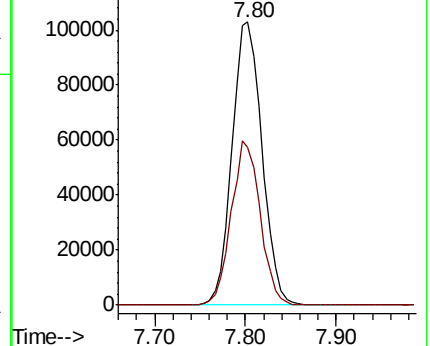
168 100

99 55.9 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: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000298.D

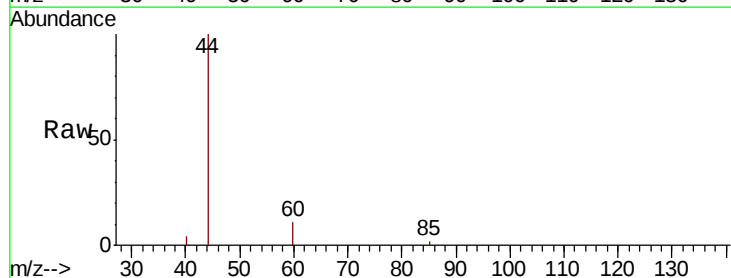
Acq: 14 Oct 2019 14:49

Tgt Ion: 85 Resp: 35

Ion Ratio Lower Upper

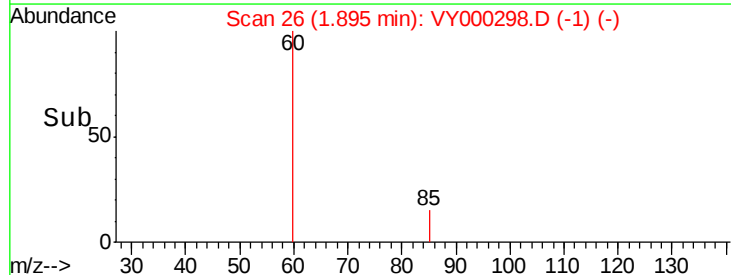
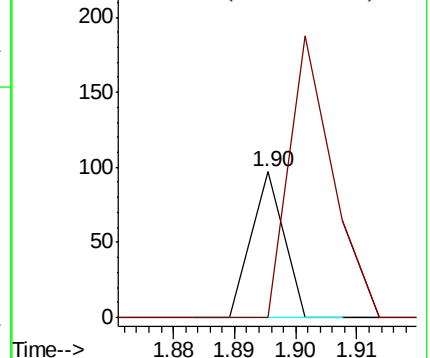
85 100

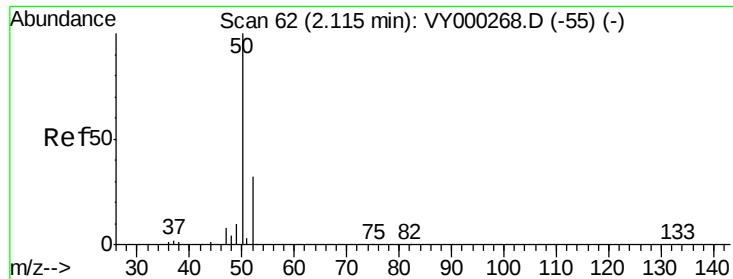
87 0.0 16.6 49.8#



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

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





#3

Chloromethane

Concen: 1.358 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

Instrument :

MSVOA_Y

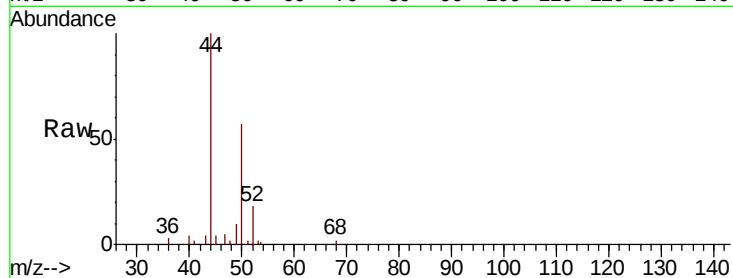
ClientSampled :

Tot Ion: 50 Resp: 3919

Ion Ratio Lower Upper

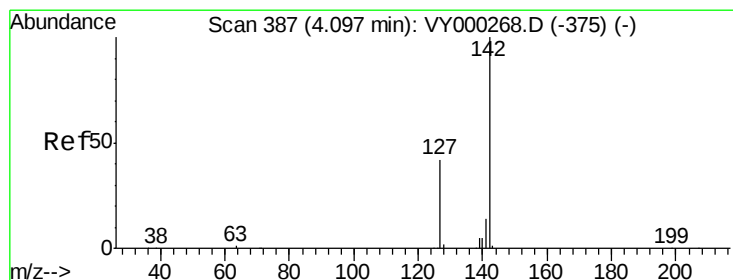
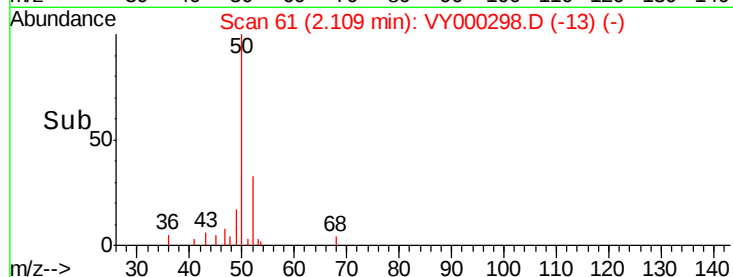
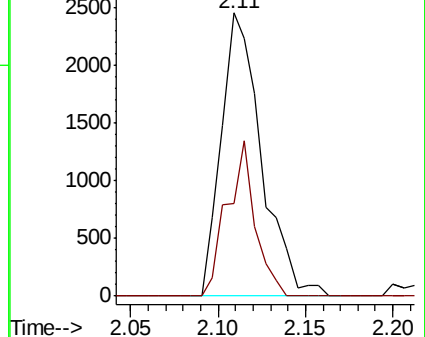
50 100

52 32.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY000298.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000298.D (-55) (-)



#10

Methyl Iodide

Concen: 1.197 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.02 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

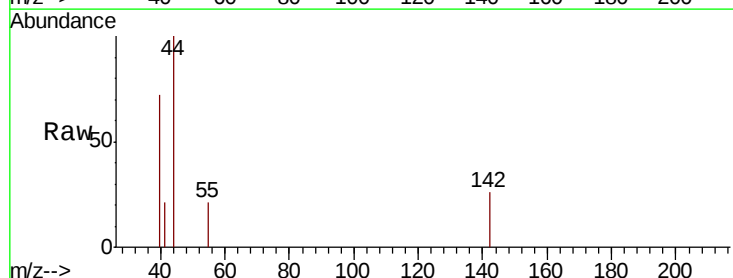
Tgt Ion: 142 Resp: 38

Ion Ratio Lower Upper

142 100

127 110.5 33.9 50.9#

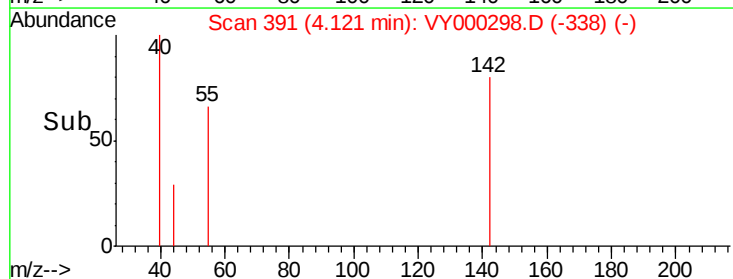
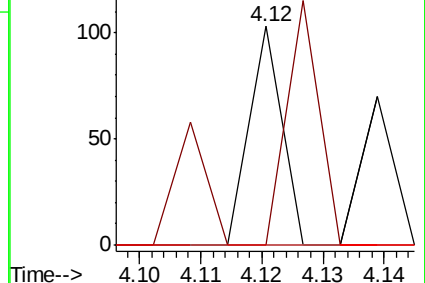
141 0.0 11.2 16.8#

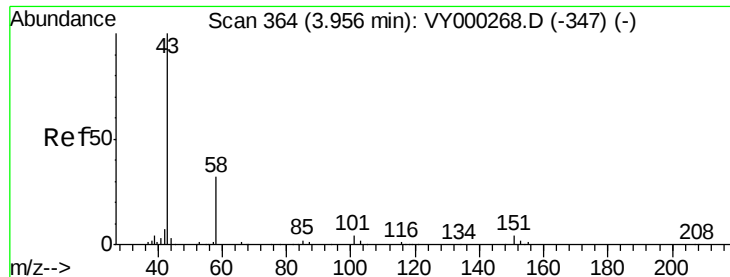


Abundance Ion 141.80 (141.50 to 142.50): VY000298.D (-375) (-)

Ion 126.80 (126.50 to 127.50): VY000298.D (-375) (-)

Ion 140.80 (140.50 to 141.50): VY000298.D (-375) (-)





#16

Acetone

Concen: 11.020 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

Instrument :

MSVOA_Y

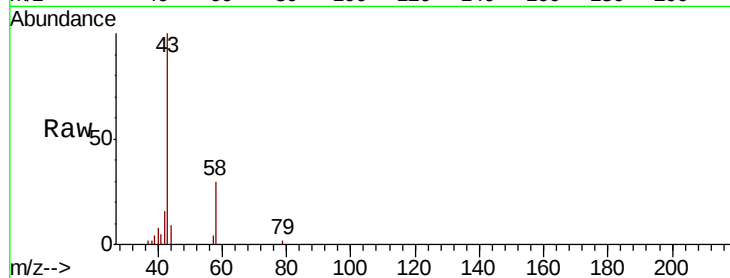
ClientSampleId :

Tot Ion: 43 Resp: 8891

Ion Ratio Lower Upper

43 100

58 30.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

3000

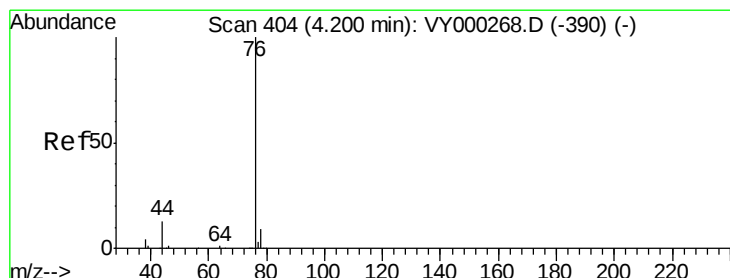
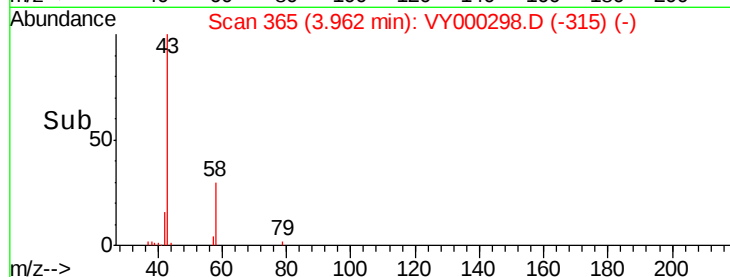
2000

1000

0

Time-->

3.90 4.00 4.10



#17

Carbon Disulfide

Concen: 2.306 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000298.D

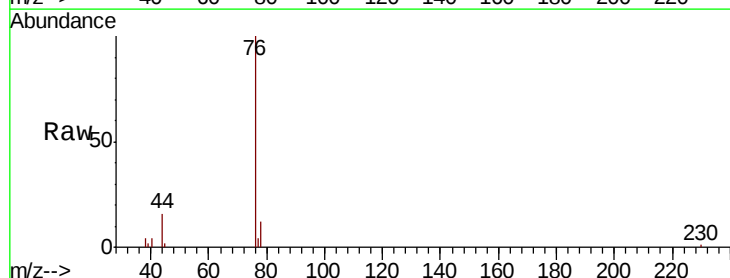
Acq: 14 Oct 2019 14:49

Tgt Ion: 76 Resp: 17315

Ion Ratio Lower Upper

76 100

78 12.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

6000

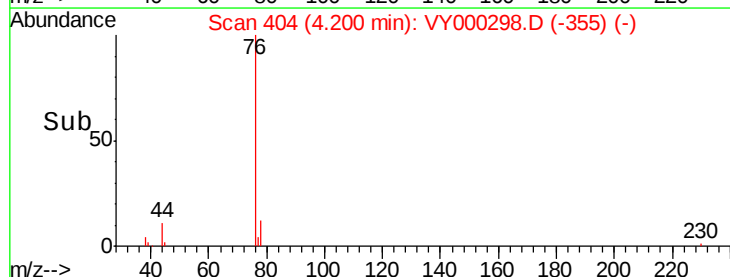
4000

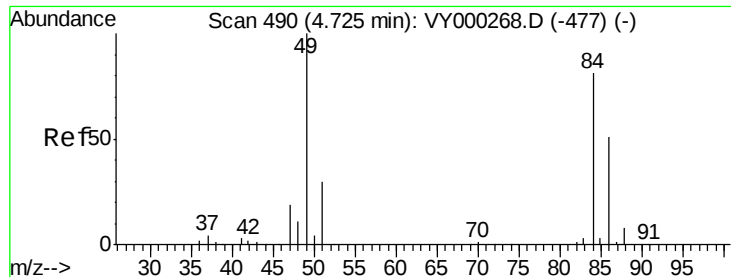
2000

0

Time-->

4.10 4.20 4.30

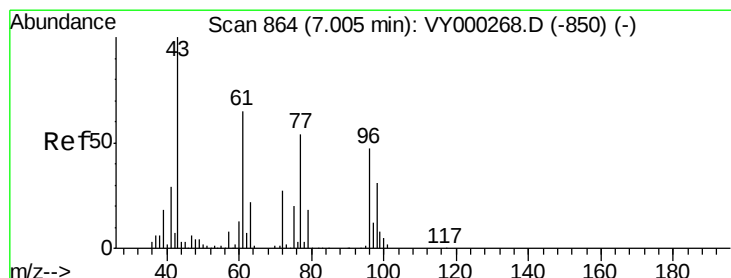
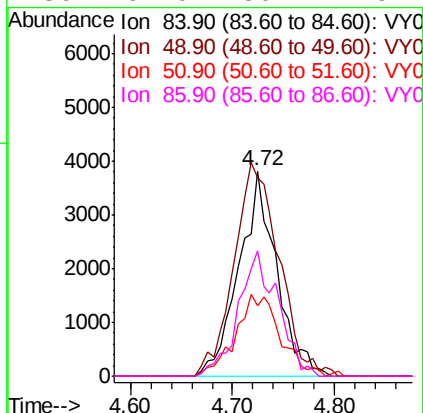
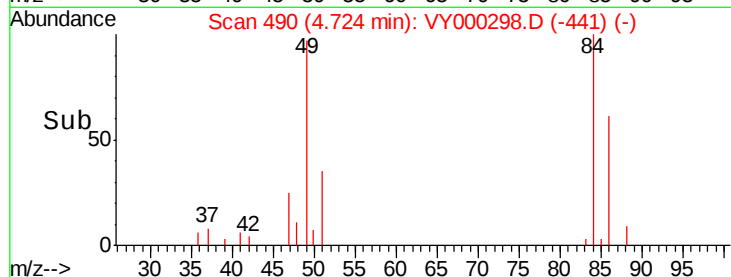
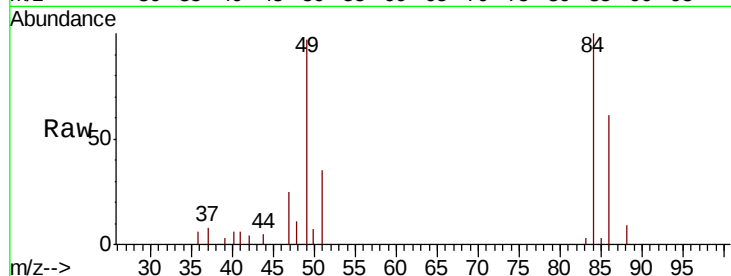




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000298.D
Acq: 14 Oct 2019 14:49

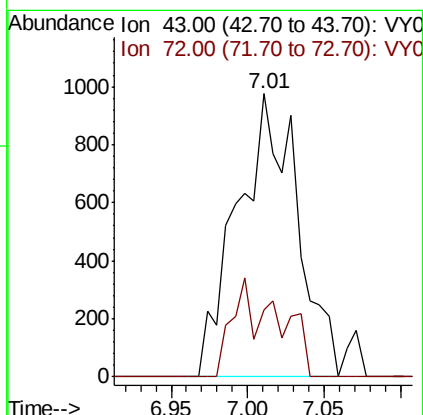
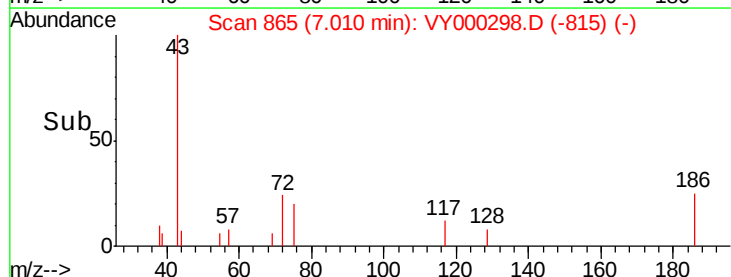
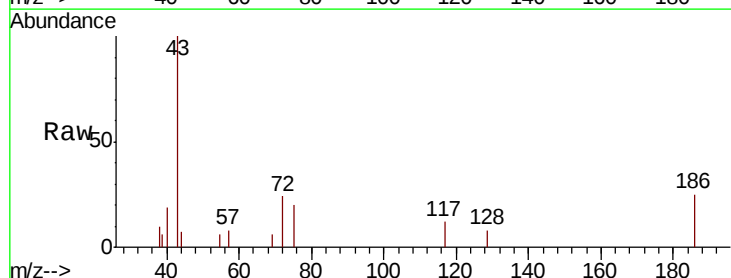
Instrument :
MSVOA_Y
ClientSampled :

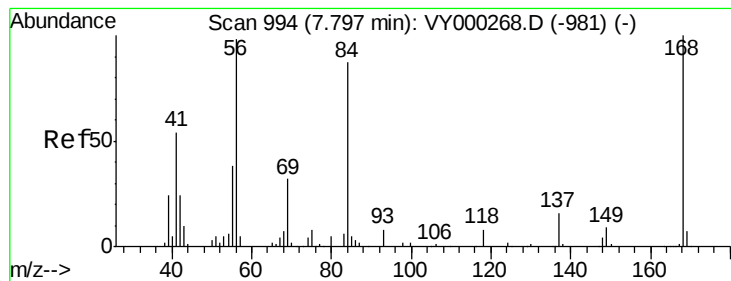
Tot Ion: 84 Resp: 9767
Ion Ratio Lower Upper
84 100
49 96.6 99.0 148.4#
51 34.7 29.3 43.9
86 61.0 50.2 75.4



#25
2-Butanone
Concen: 2.333 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000298.D
Acq: 14 Oct 2019 14:49

Tgt Ion: 43 Resp: 2651
Ion Ratio Lower Upper
43 100
72 23.8 21.4 32.2





#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

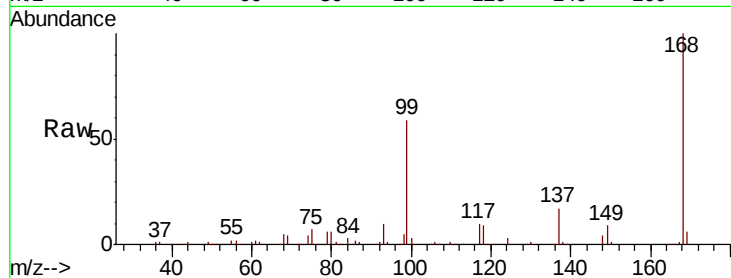
Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

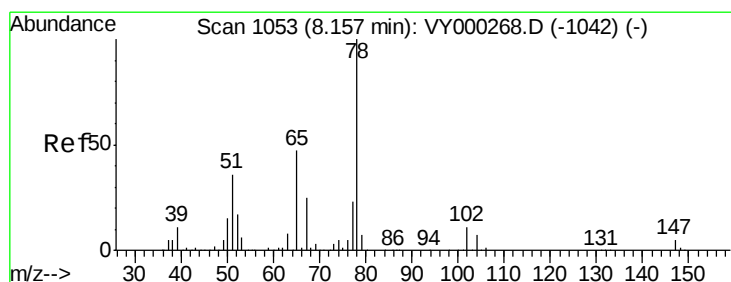
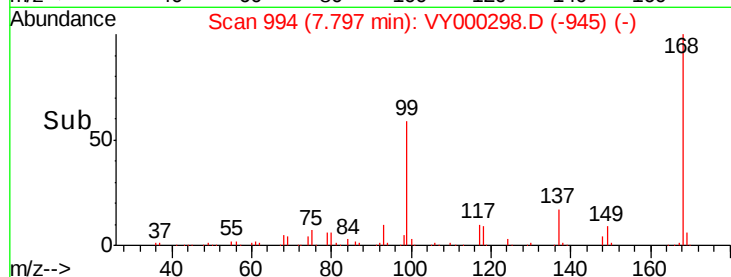
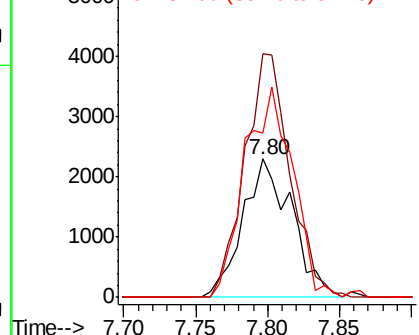
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5426

Ion	Ratio	Lower	Upper
56	100		
69	175.8	26.3	39.5#
84	118.2	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: 61.006 ug/l

RT: 8.15 min Scan# 1052

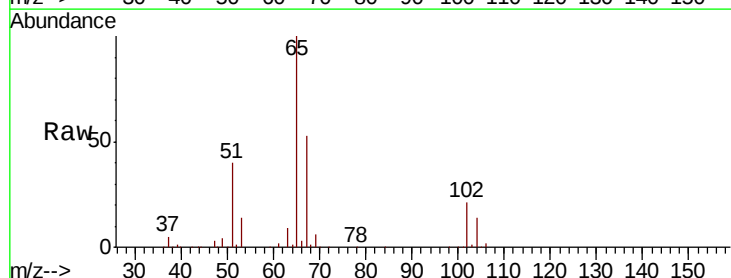
Delta R.T. -0.01 min

Lab File: VY000298.D

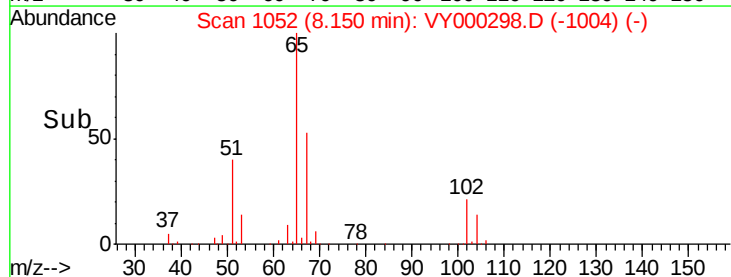
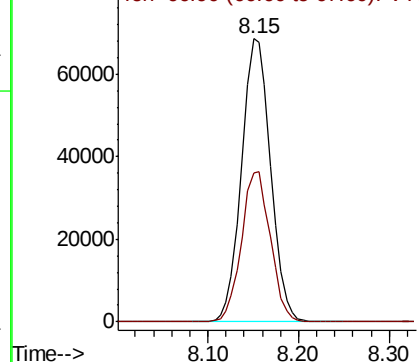
Acq: 14 Oct 2019 14:49

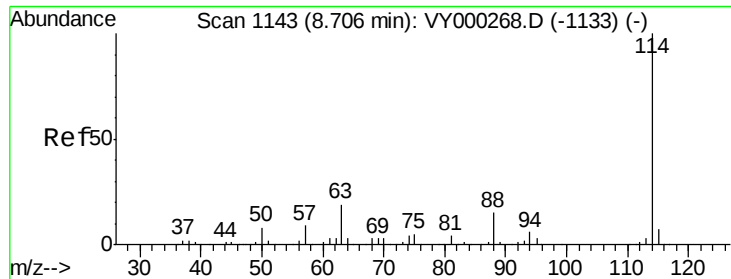
Tgt Ion: 65 Resp: 151982

Ion	Ratio	Lower	Upper
65	100		
67	52.9	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: VY000298.D

Acq: 14 Oct 2019 14:49

Instrument :
MSVOA_Y
ClientSampleId :

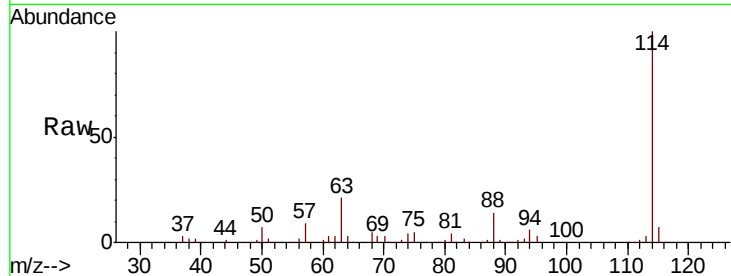
Tot Ion:114 Resp: 450190

Ion Ratio Lower Upper

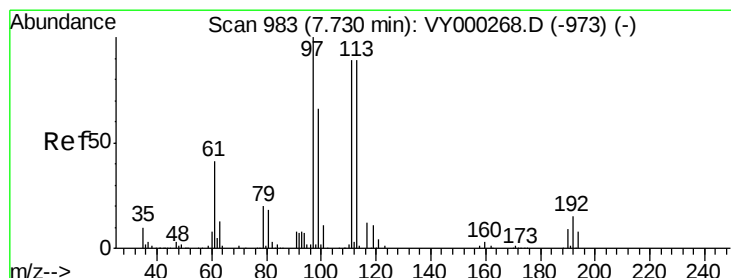
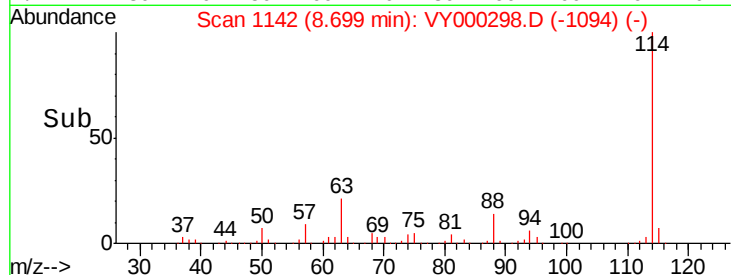
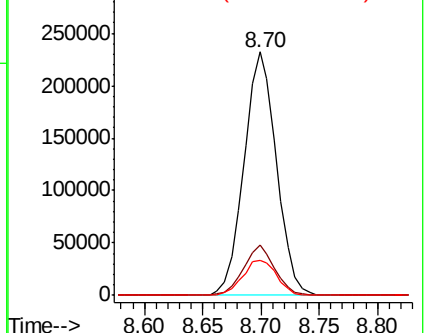
114 100

63 20.9 0.0 37.2

88 14.4 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: 48.861 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

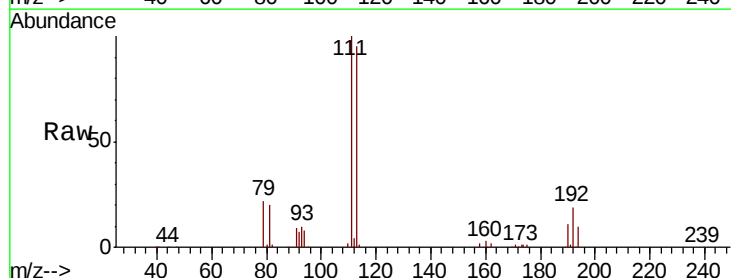
Tgt Ion:113 Resp: 132687

Ion Ratio Lower Upper

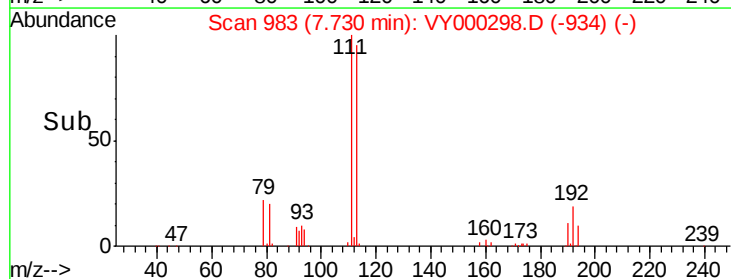
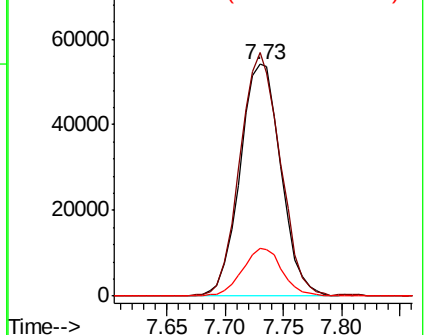
113 100

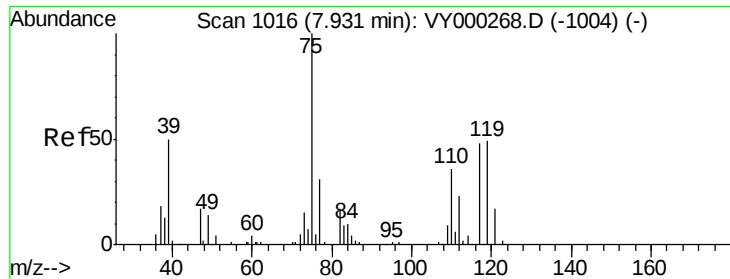
111 103.3 81.6 122.4

192 19.9 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

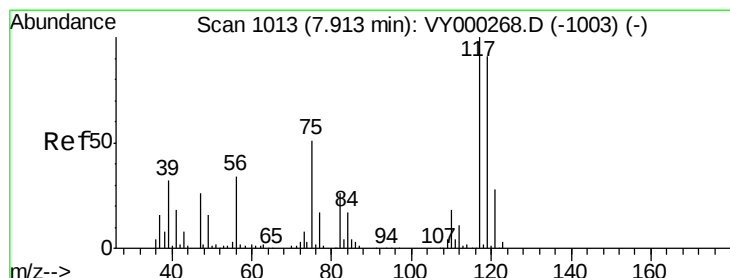
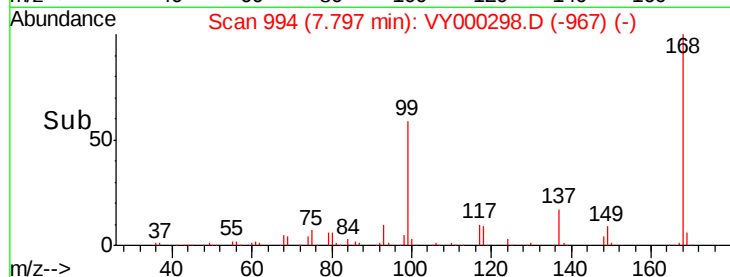
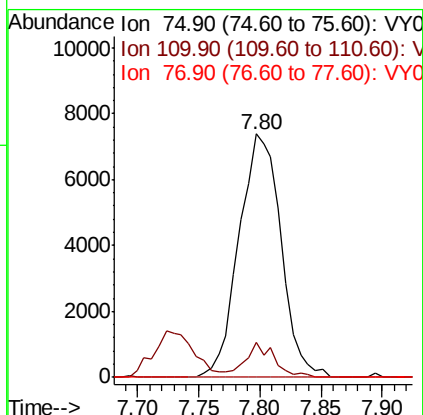
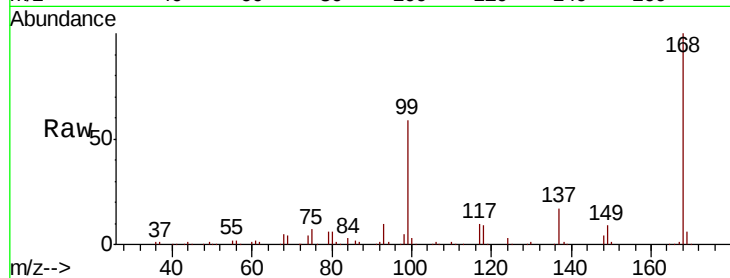




#36
 1,1-Dichloropropene
 Concen: 3.989 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000298.D
 Acq: 14 Oct 2019 14:49

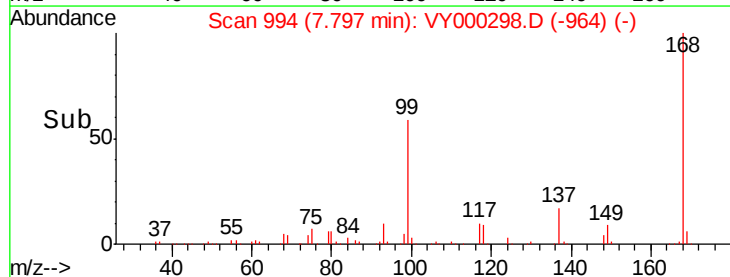
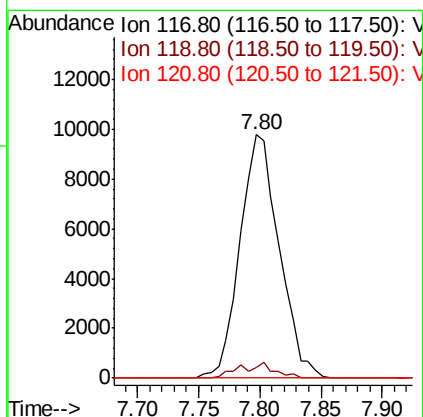
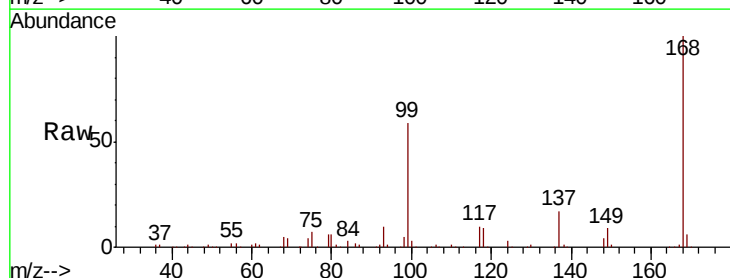
Instrument :
 MSVOA_Y
 ClientSampleId :

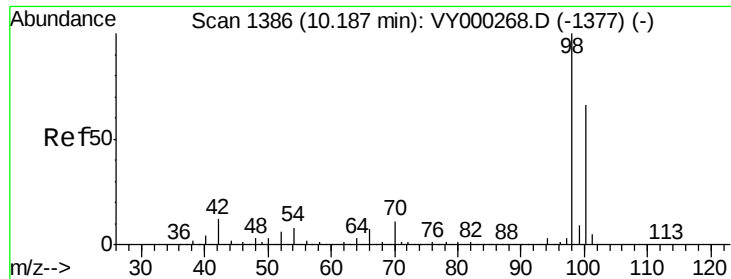
Tot Ion: 75 Resp: 17584
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.108 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000298.D
 Acq: 14 Oct 2019 14:49

Tgt Ion: 117 Resp: 21800
 Ion Ratio Lower Upper
 117 100
 119 4.3 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 50.408 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

Instrument :

MSVOA_Y

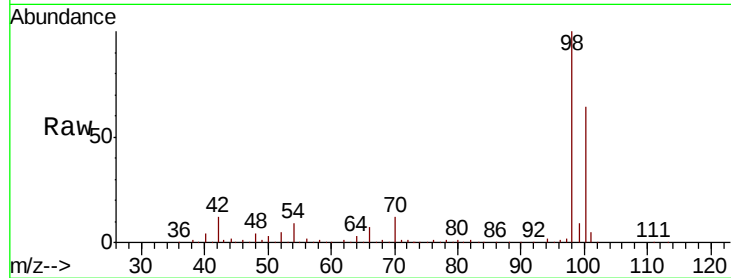
ClientSampleId :

Tot Ion: 98 Resp: 526567

Ion Ratio Lower Upper

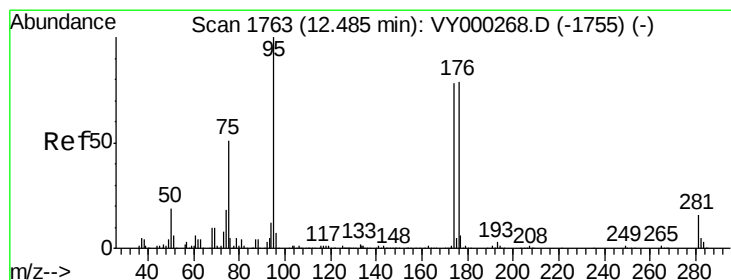
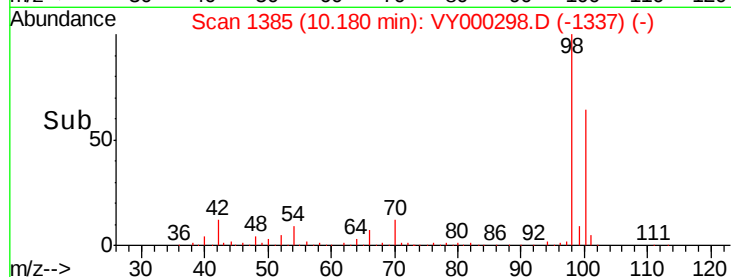
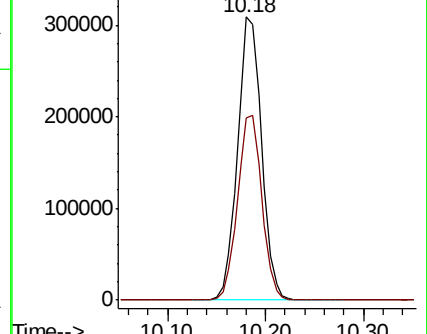
98 100

100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 45.156 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

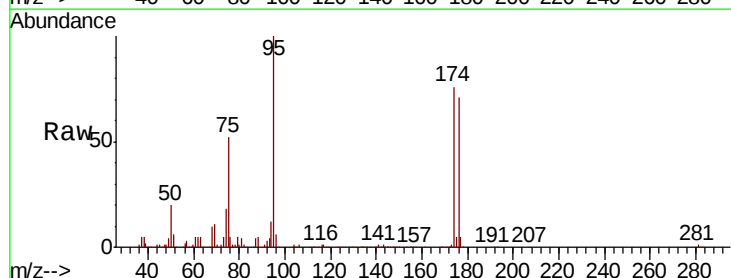
Tgt Ion: 95 Resp: 179208

Ion Ratio Lower Upper

95 100

174 78.3 0.0 159.6

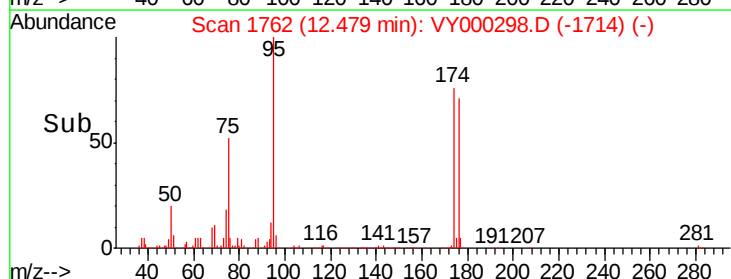
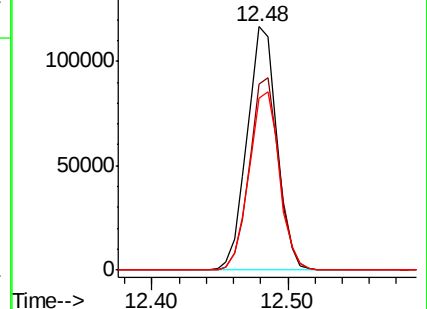
176 74.8 0.0 153.8

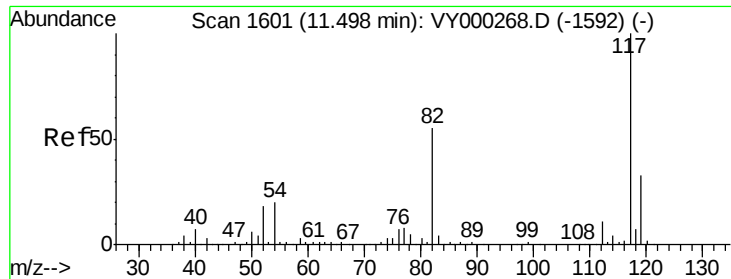


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

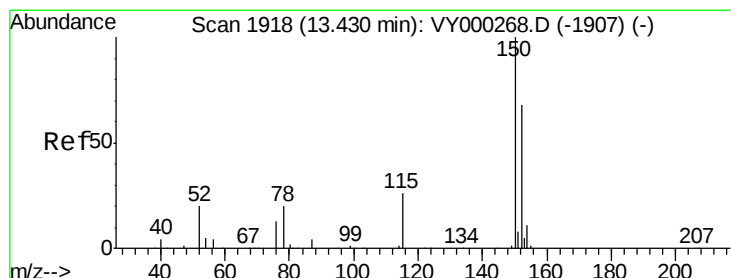
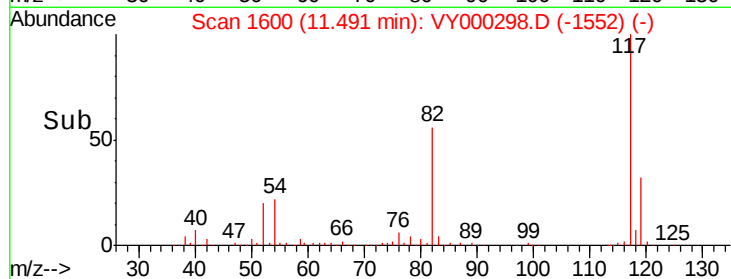
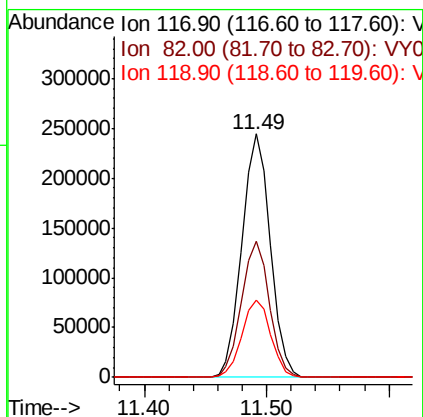
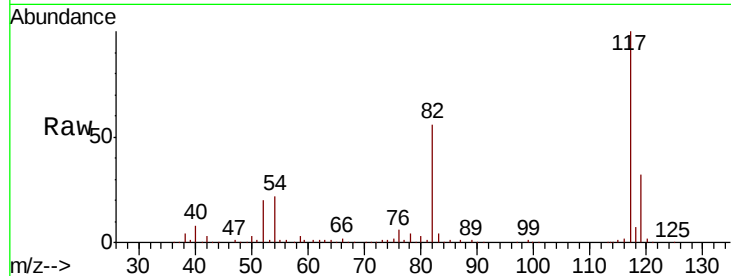




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000298.D
Acq: 14 Oct 2019 14:49

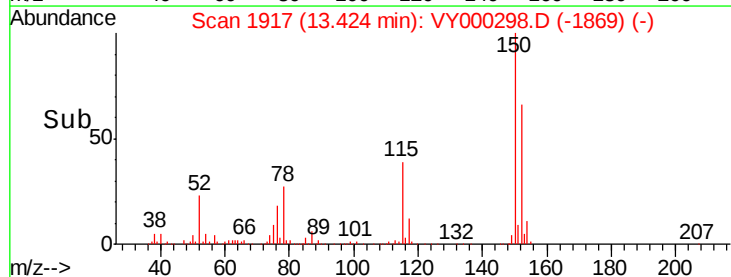
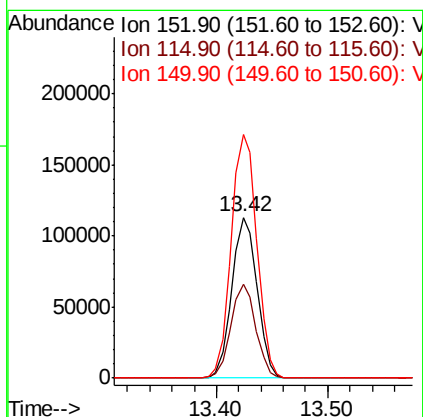
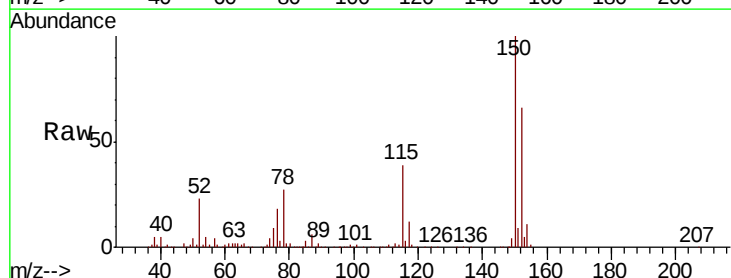
Instrument :
MSVOA_Y
ClientSampled :

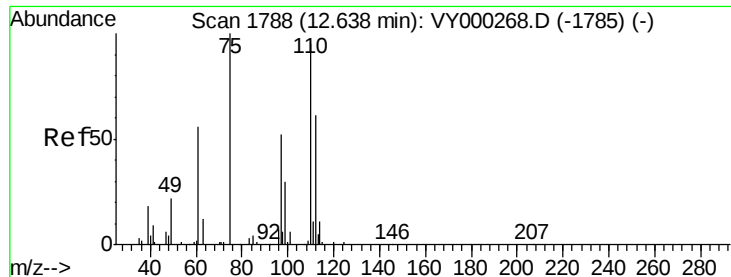
Tot Ion:117 Resp: 393653
Ion Ratio Lower Upper
117 100
82 55.9 43.7 65.5
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000298.D
Acq: 14 Oct 2019 14:49

Tgt Ion:152 Resp: 176813
Ion Ratio Lower Upper
152 100
115 57.8 29.3 88.0
150 154.2 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 43.224 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

Instrument :

MSVOA_Y

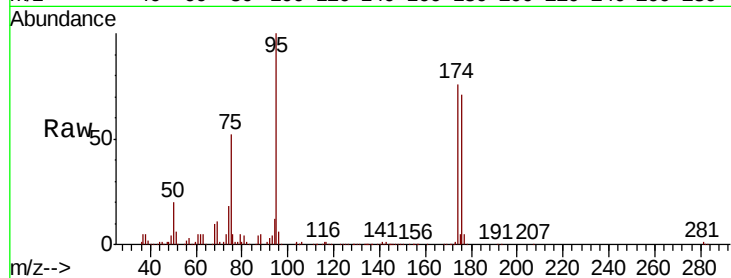
ClientSampleId :

Tot Ion: 75 Resp: 93978

Ion Ratio Lower Upper

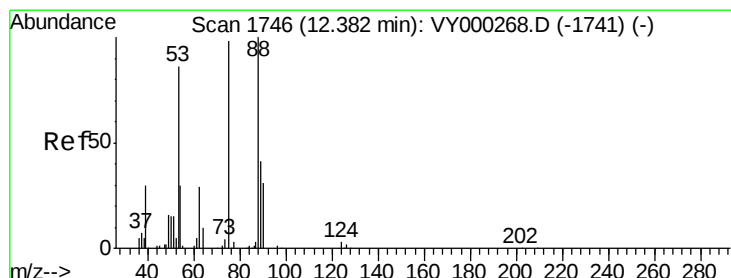
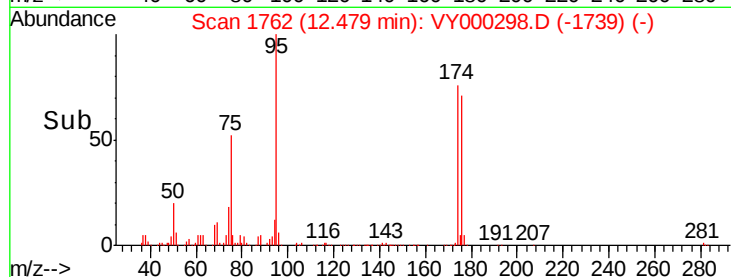
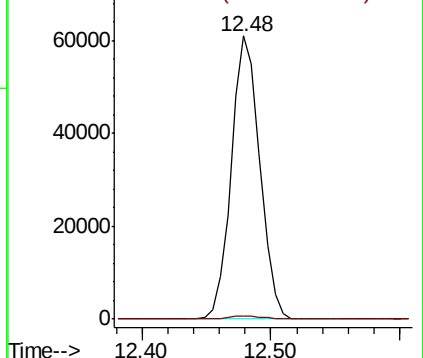
75 100

77 1.4 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: 94.573 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000298.D

Acq: 14 Oct 2019 14:49

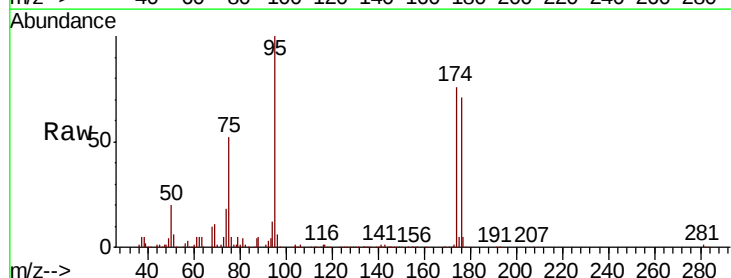
Tgt Ion: 75 Resp: 93978

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

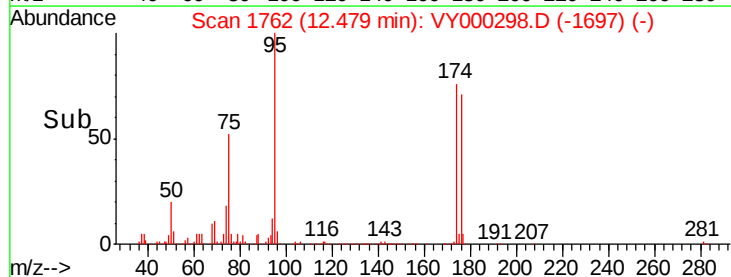
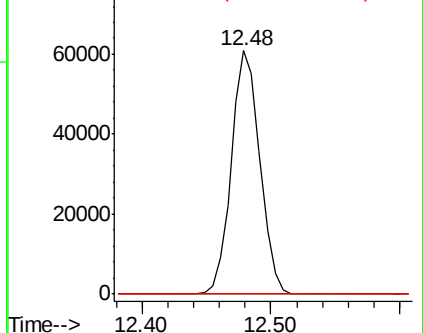
89 0.0 35.1 52.7#

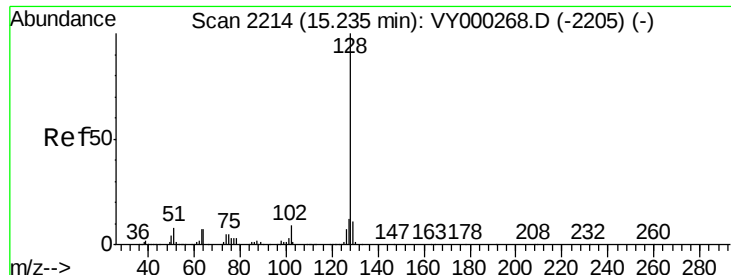


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

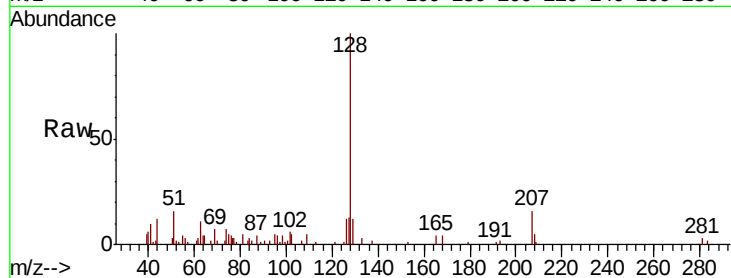




#95
Naphthalene
Concen: 1.185 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000298.D
Acq: 14 Oct 2019 14:49

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.6	14.4
129	11.4	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

