

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000297.D
 Acq On : 14 Oct 2019 14:26
 Operator : SY/MD
 Sample : K5323-01RE
 Misc : 7.09g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:15:02 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	239535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	453355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	380309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148967	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	151673	60.03	ug/l	0.00
Spiked Amount			Recovery	=	120.06%	
35) Dibromofluoromethane	7.73	113	137107	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	10.19	98	516991	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.48	95	162441	40.65	ug/l	0.00
Spiked Amount			Recovery	=	81.30%	

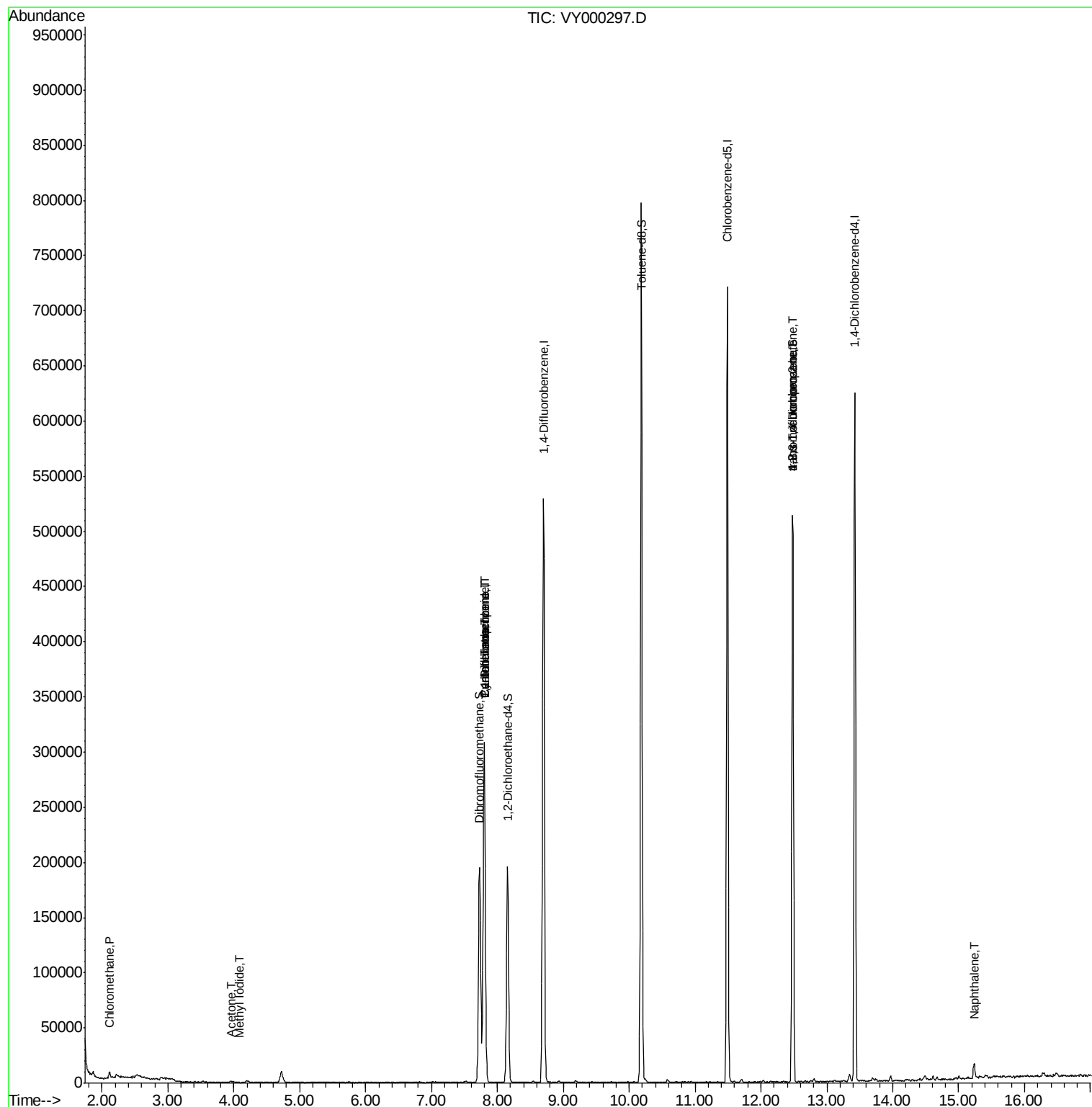
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	50	Below Cal	#	41
3) Chloromethane	2.11	50	5095	1.741	ug/l	95
10) Methyl Iodide	4.09	142	44	1.198	ug/l #	41
16) Acetone	3.96	43	1853	2.265	ug/l	97
20) Methylene Chloride	4.72	84	7052	Below Cal	#	82
31) Cyclohexane	7.80	56	5959	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18526	4.174	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24273	5.648	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	85538	46.697	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85538	102.170	ug/l #	14
95) Naphthalene	15.23	128	10526	1.470	ug/l	96

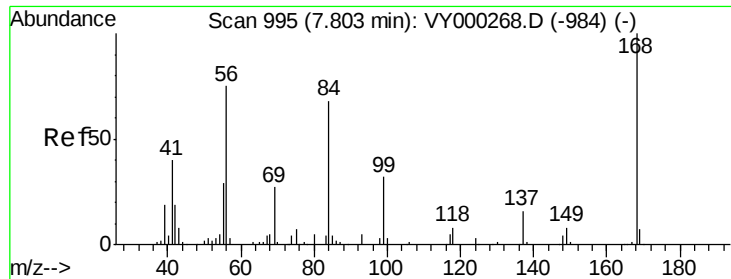
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 14 08:10:23 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: VY000297.D

Acq: 14 Oct 2019 14:26

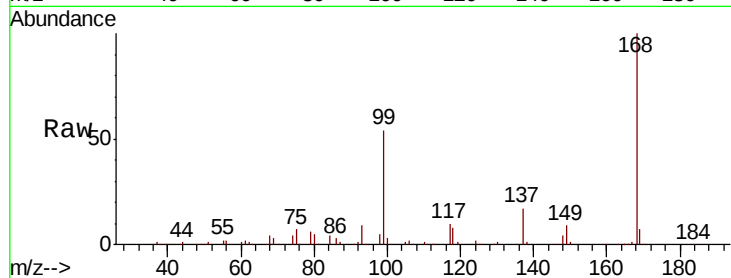
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 239535

Ion Ratio Lower Upper

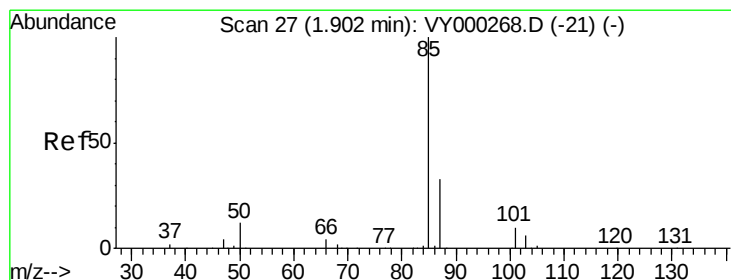
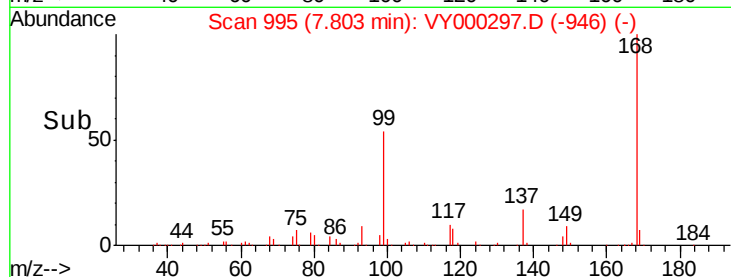
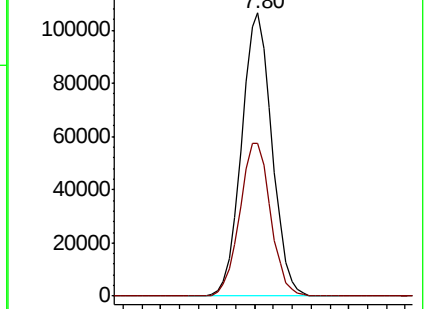
168 100

99 53.8 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: VY000297.D

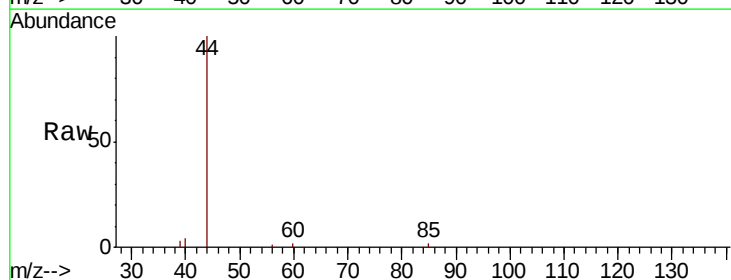
Acq: 14 Oct 2019 14:26

Tgt Ion: 85 Resp: 50

Ion Ratio Lower Upper

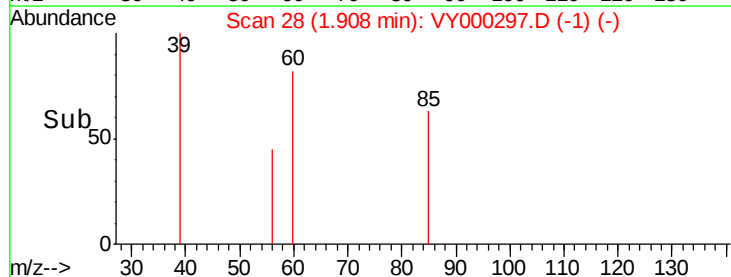
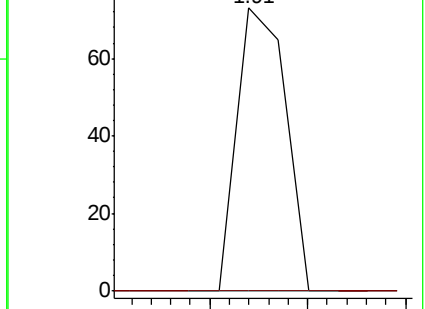
85 100

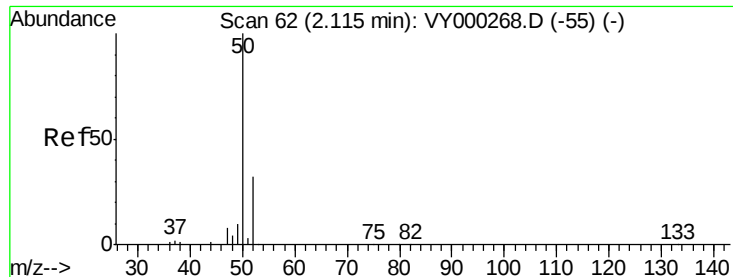
87 0.0 16.6 49.8#



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: 1.741 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

Instrument :

MSVOA_Y

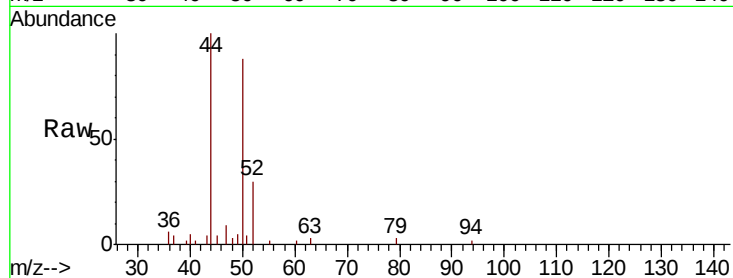
ClientSampleId :

Tot Ion: 50 Resp: 5095

Ion Ratio Lower Upper

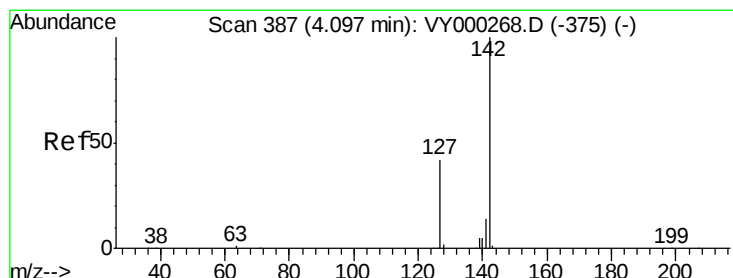
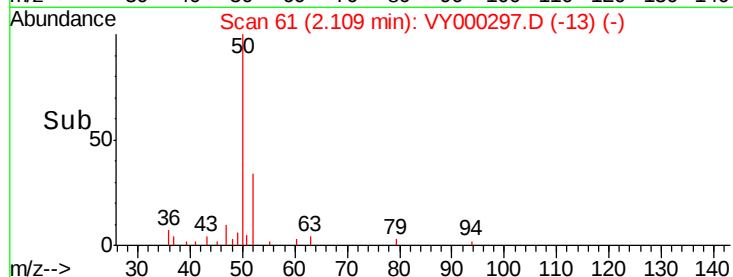
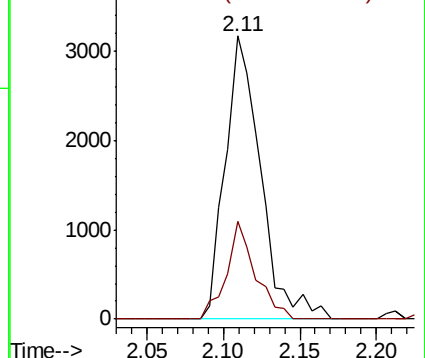
50 100

52 34.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.198 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

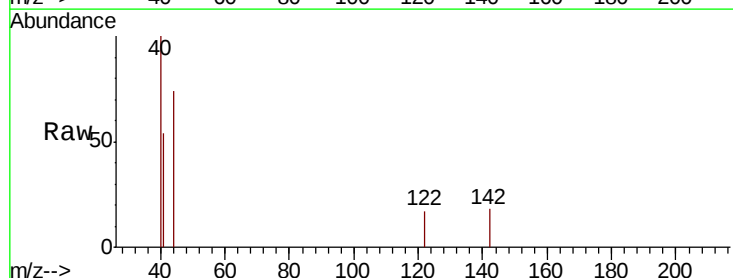
Tgt Ion: 142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

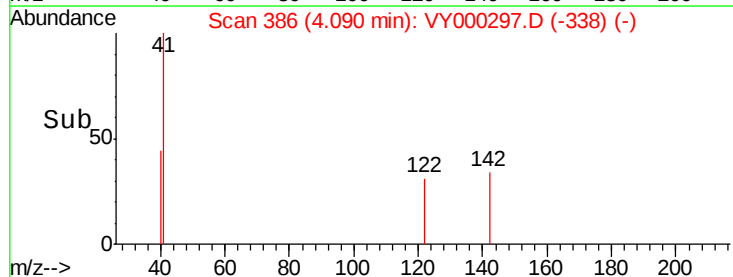
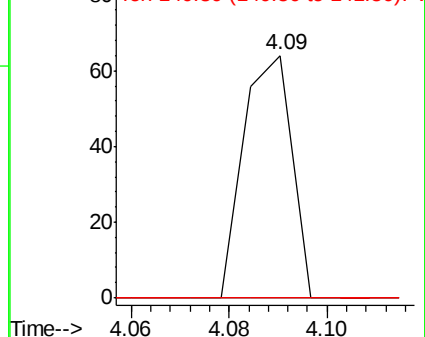
141 0.0 11.2 16.8#

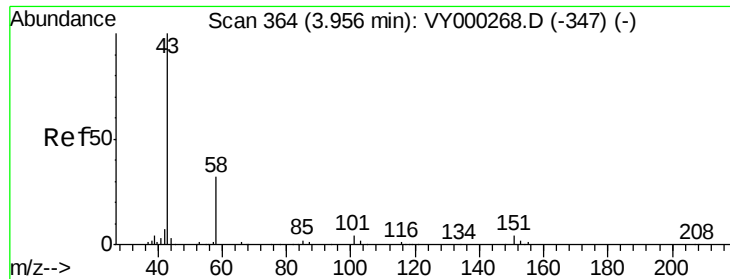


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 2.265 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

Instrument :

MSVOA_Y

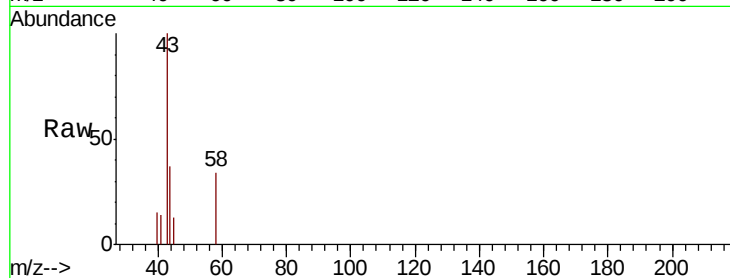
ClientSampleId :

Tot Ion: 43 Resp: 1853

Ion Ratio Lower Upper

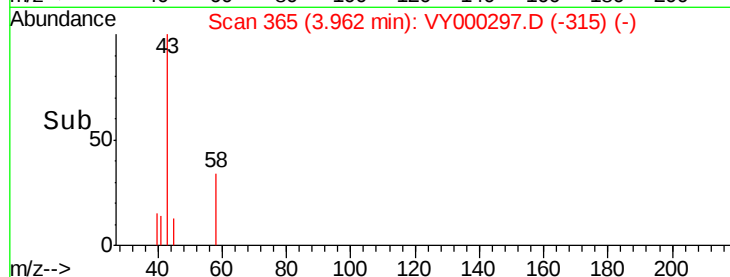
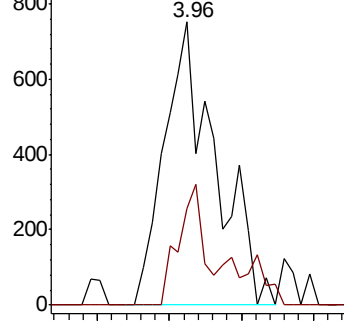
43 100

58 34.0 25.8 38.6

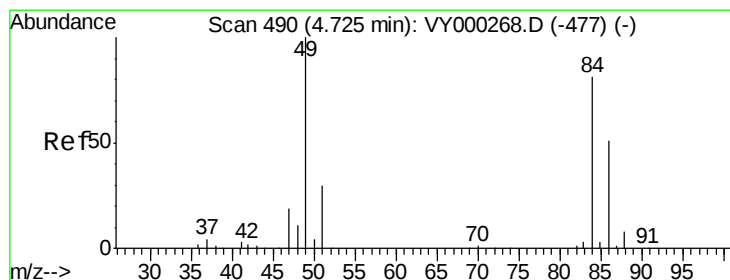


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

Tgt Ion: 84 Resp: 7052

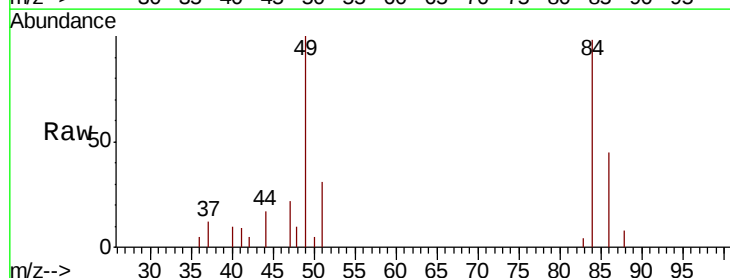
Ion Ratio Lower Upper

84 100

49 101.7 99.0 148.4

51 31.5 29.3 43.9

86 45.7 50.2 75.4#

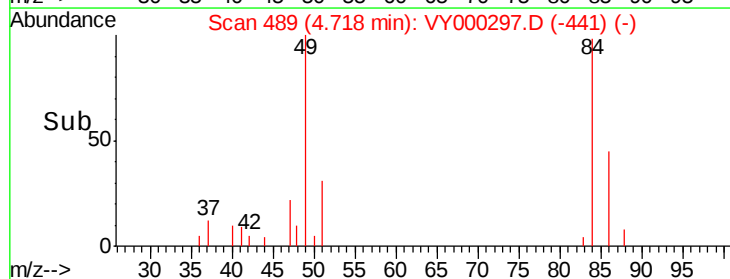
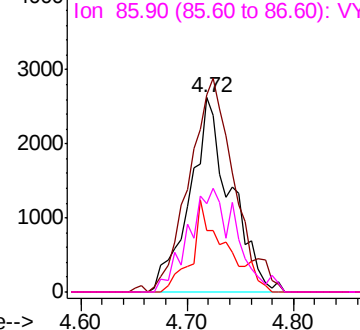


Abundance Ion 83.90 (83.60 to 84.60): VY0

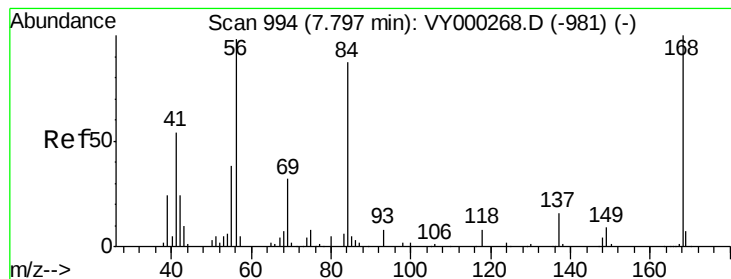
Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

Instrument :
MSVOA_Y
ClientSampled :

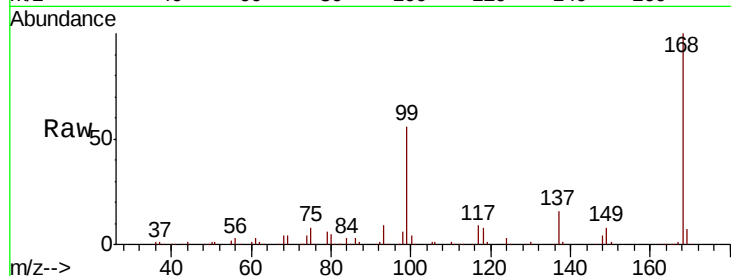
Tot Ion: 56 Resp: 5959

Ion Ratio Lower Upper

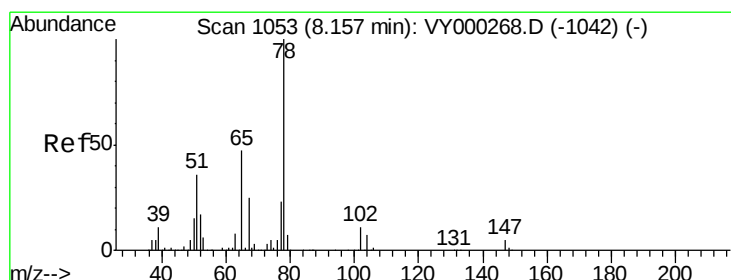
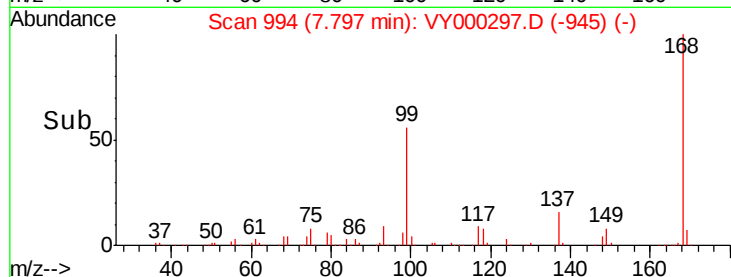
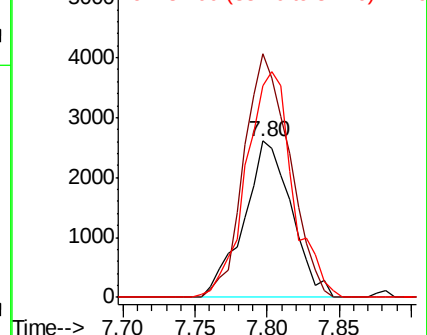
56 100

69 155.9 26.3 39.5#

84 140.0 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: 60.028 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000297.D

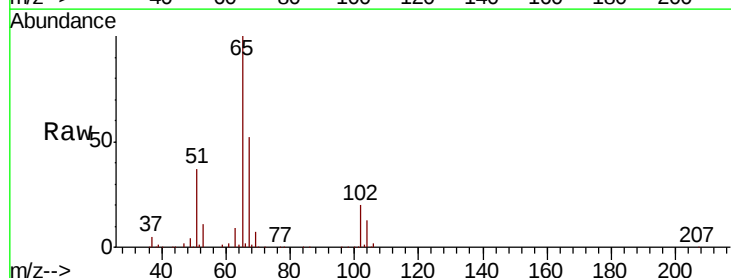
Acq: 14 Oct 2019 14:26

Tgt Ion: 65 Resp: 151673

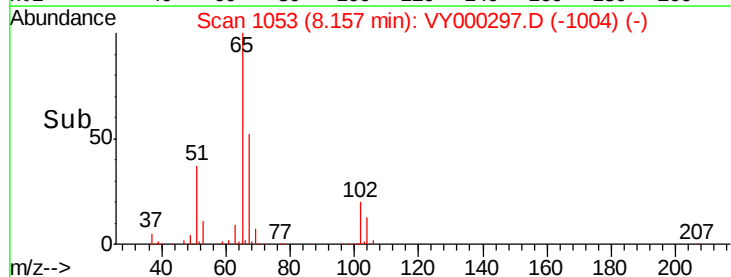
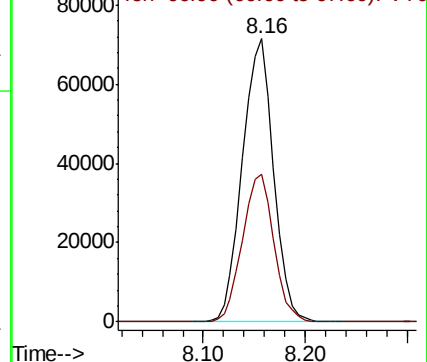
Ion Ratio Lower Upper

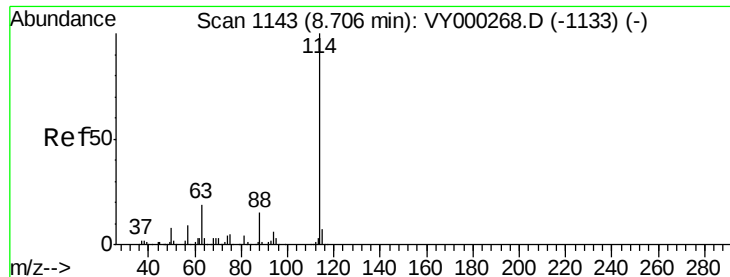
65 100

67 52.5 0.0 109.4



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

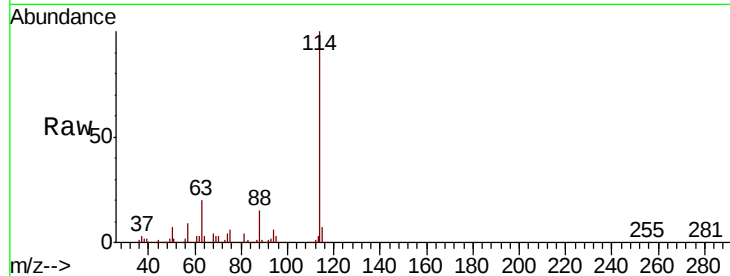




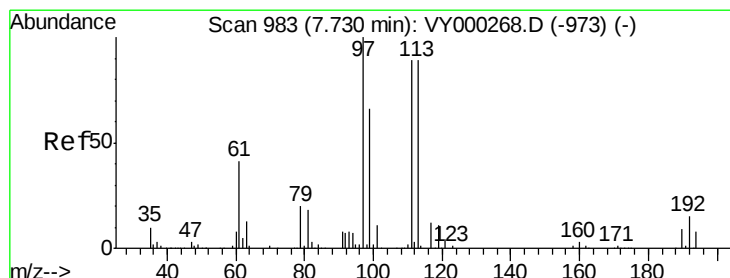
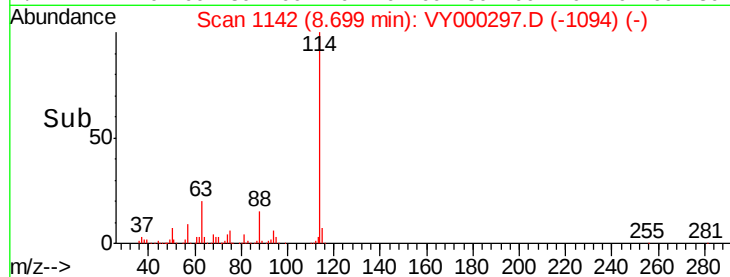
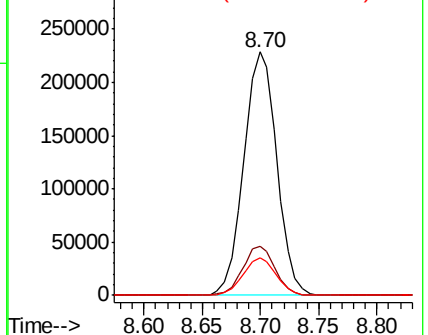
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000297.D
 Acq: 14 Oct 2019 14:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 453355
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.2
 88 15.4 0.0 30.2

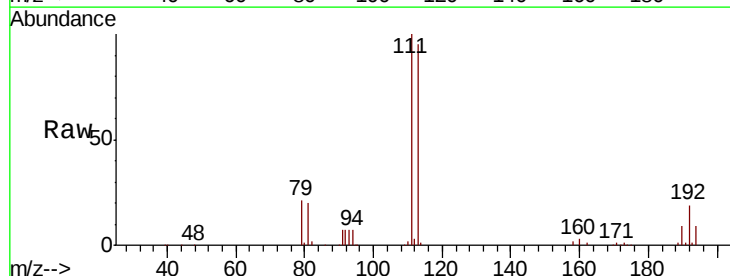


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

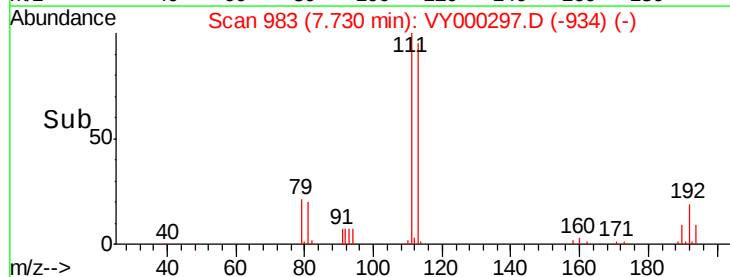
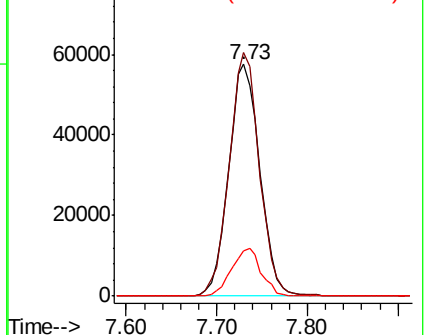


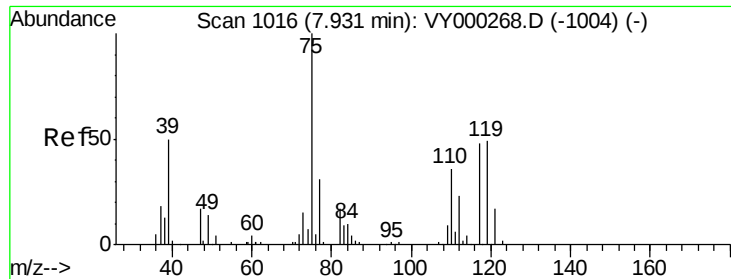
#35
 Dibromofluoromethane
 Concen: 50.136 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000297.D
 Acq: 14 Oct 2019 14:26

Tgt Ion:113 Resp: 137107
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.6 122.4
 192 19.7 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

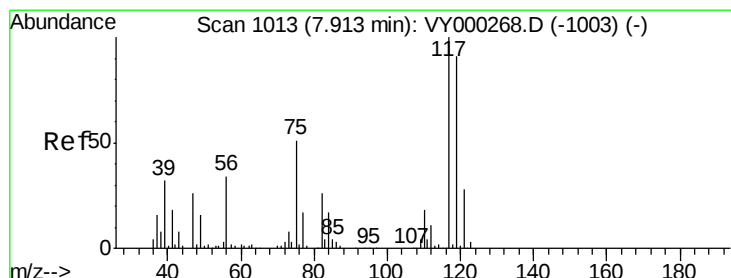
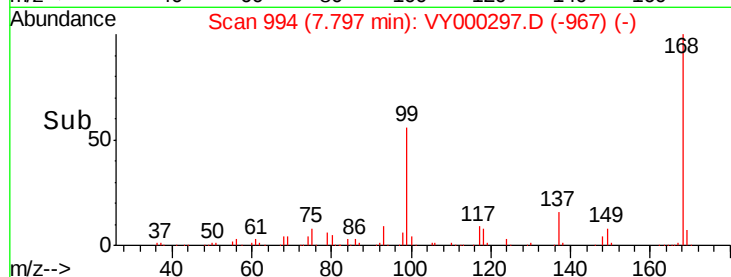
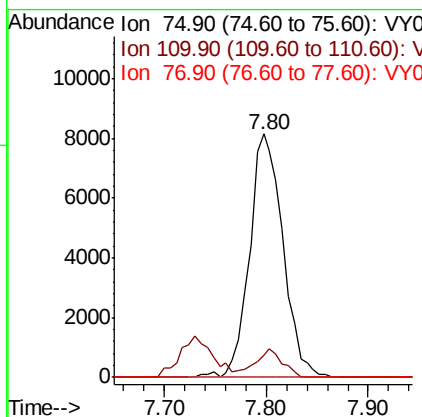
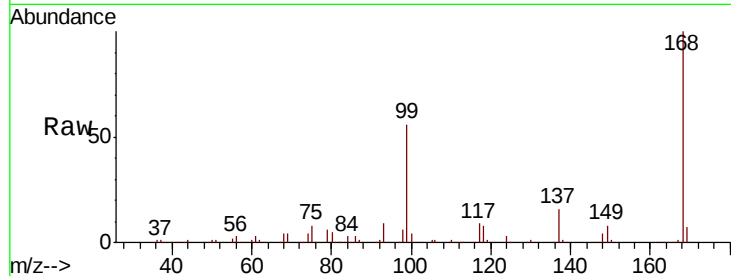




#36
 1,1-Dichloropropene
 Concen: 4.174 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000297.D
 Acq: 14 Oct 2019 14:26

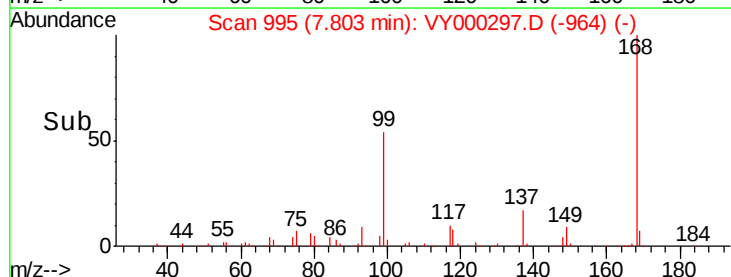
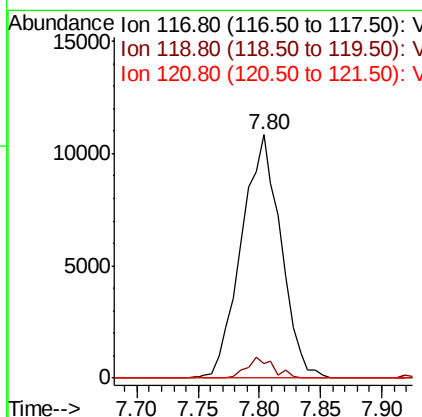
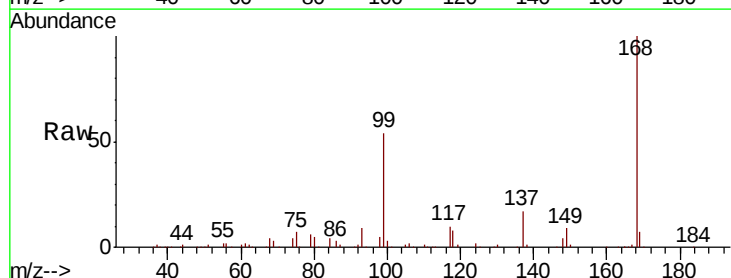
Instrument :
 MSVOA_Y
 ClientSampled :

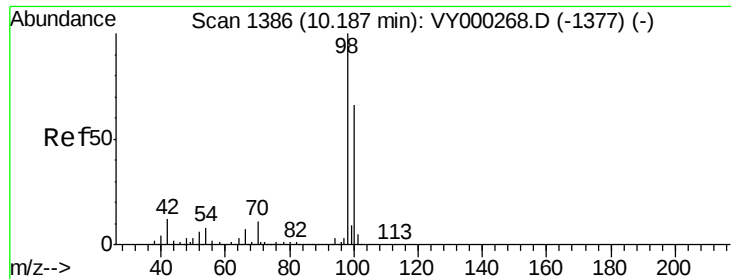
Tot Ion	75	Resp	18526
Ion Ratio	Lower	Upper	
75	100		
110	9.3	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.648 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000297.D
 Acq: 14 Oct 2019 14:26

Tgt Ion	117	Resp	24273
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	6.2	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.146 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

Instrument :

MSVOA_Y

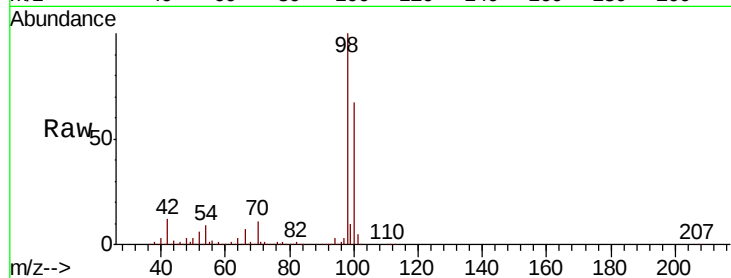
ClientSampleId :

Tot Ion: 98 Resp: 516991

Ion Ratio Lower Upper

98 100

100 66.5 52.8 79.2



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

Ion 100.00 (99.70 to 100.70): VY000297.D (-1377) (-)

10.19

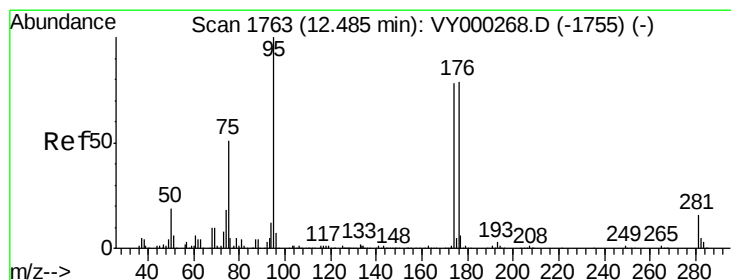
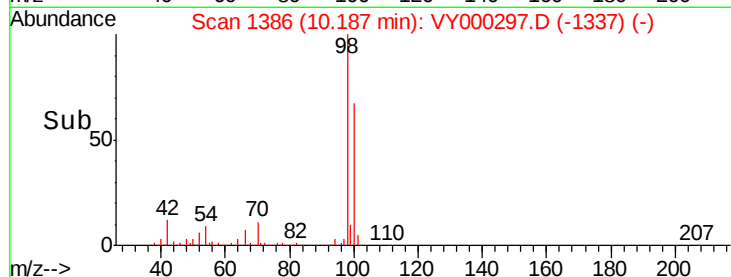
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.646 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

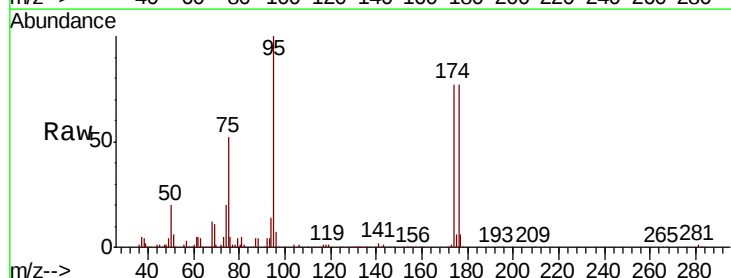
Tgt Ion: 95 Resp: 162441

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.6

176 78.0 0.0 153.8



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

Ion 173.80 (173.50 to 174.50): VY000297.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY000297.D (-1714) (-)

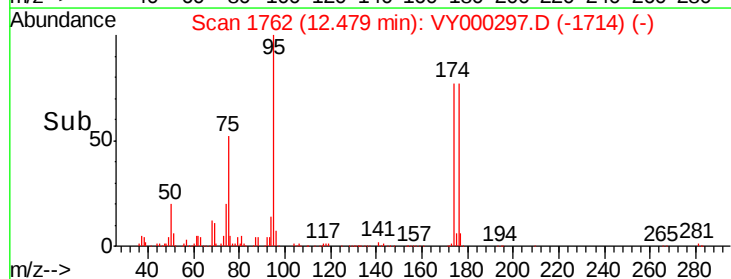
12.48

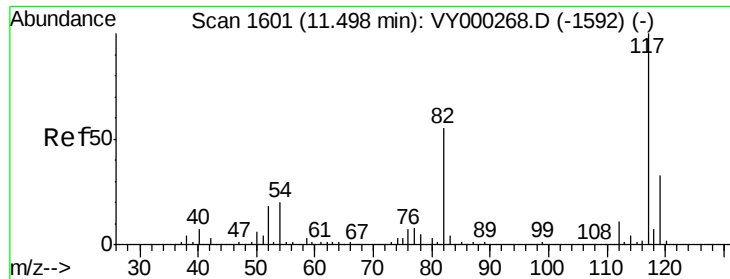
100000

50000

0

Time-->

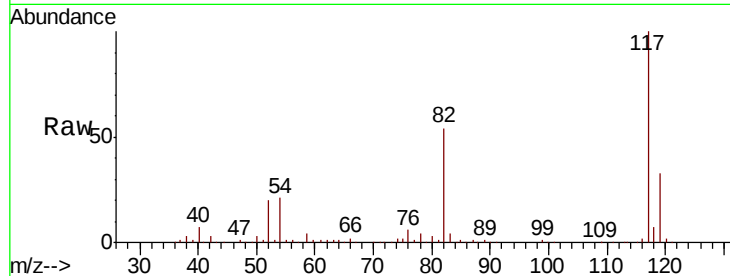




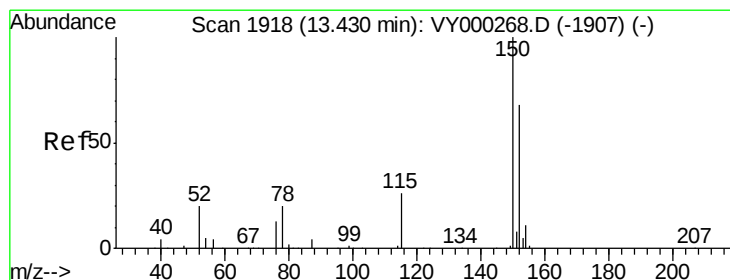
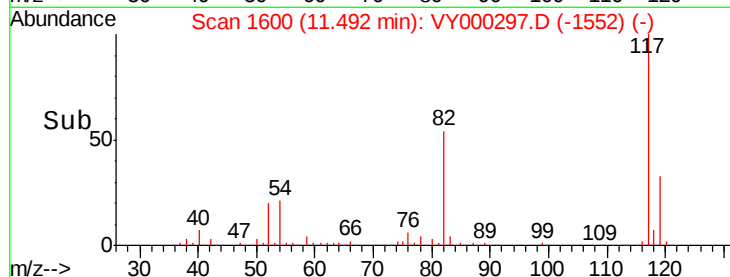
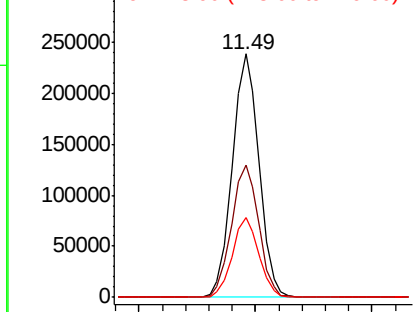
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000297.D
Acq: 14 Oct 2019 14:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 380309
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.6 26.6 39.8

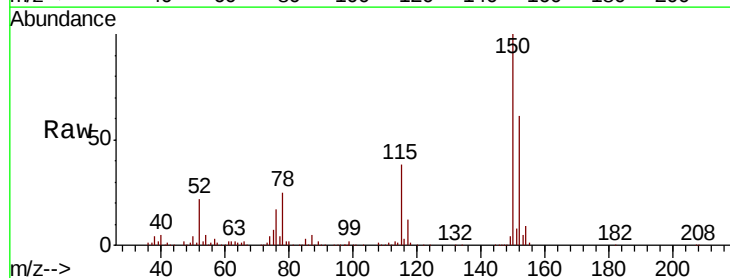


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

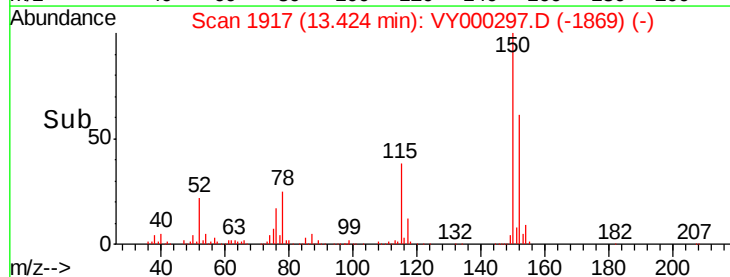
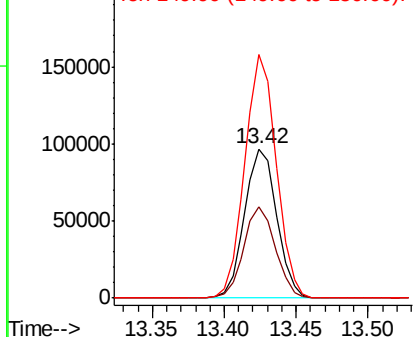


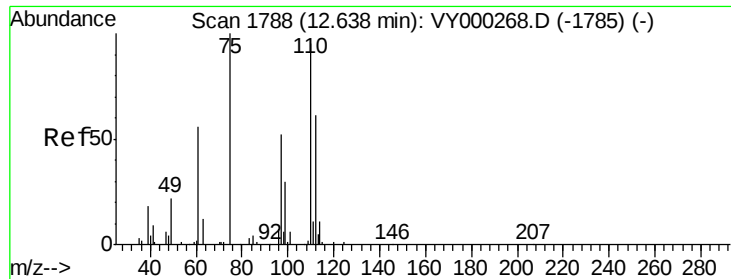
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000297.D
Acq: 14 Oct 2019 14:26

Tgt Ion:152 Resp: 148967
Ion Ratio Lower Upper
152 100
115 60.5 29.3 88.0
150 159.7 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: 46.697 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

Instrument :

MSVOA_Y

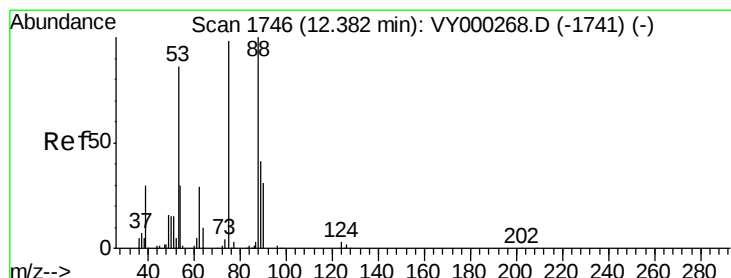
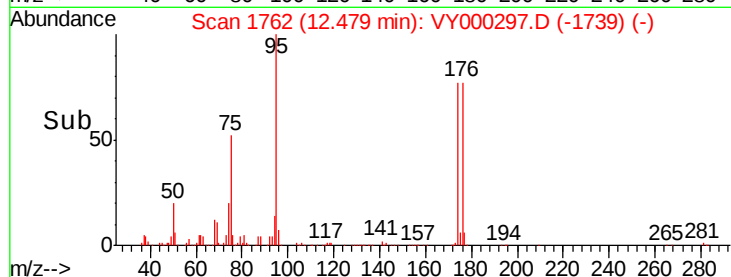
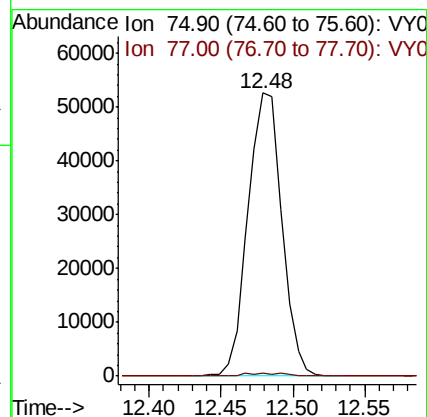
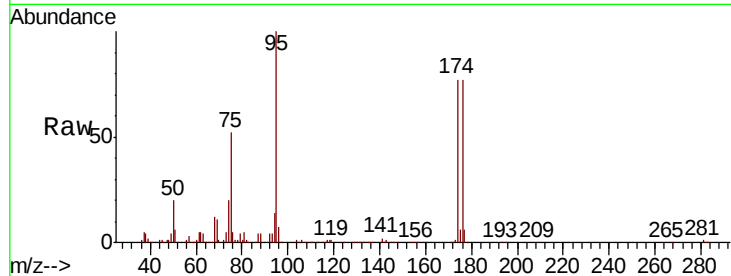
ClientSampleId :

Tot Ion: 75 Resp: 85538

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.170 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000297.D

Acq: 14 Oct 2019 14:26

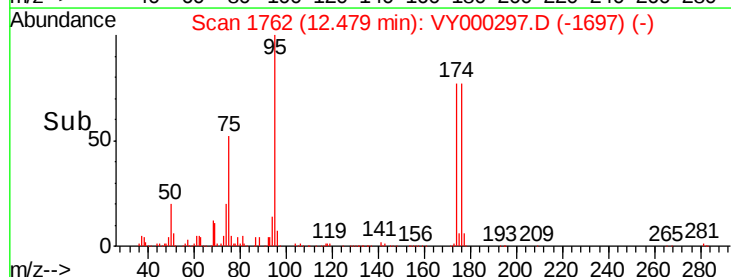
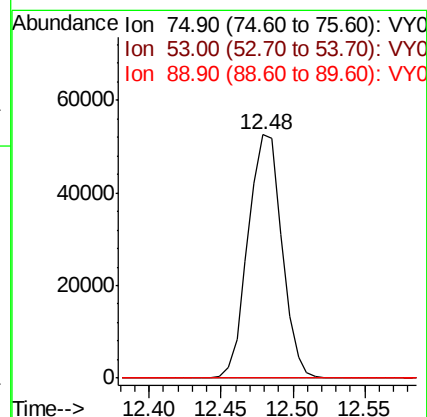
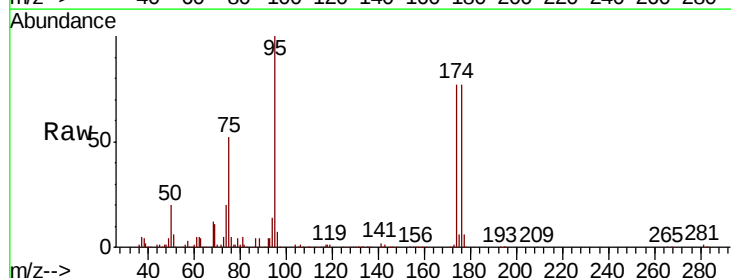
Tgt Ion: 75 Resp: 85538

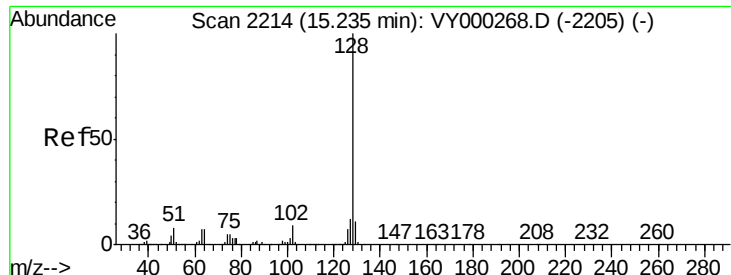
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 1.470 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000297.D
Acq: 14 Oct 2019 14:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.6	14.4
129	12.9	8.7	13.1

