

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001648.D
 Acq On : 17 Feb 2020 16:01
 Operator : SY/MD
 Sample : L1365-09
 Misc : 8.58G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 17 17:17:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	172022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	264680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	100356	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	98831	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
35) Dibromofluoromethane	7.74	113	89130	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
50) Toluene-d8	10.19	98	365314	53.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.49	95	117030	43.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.92%	

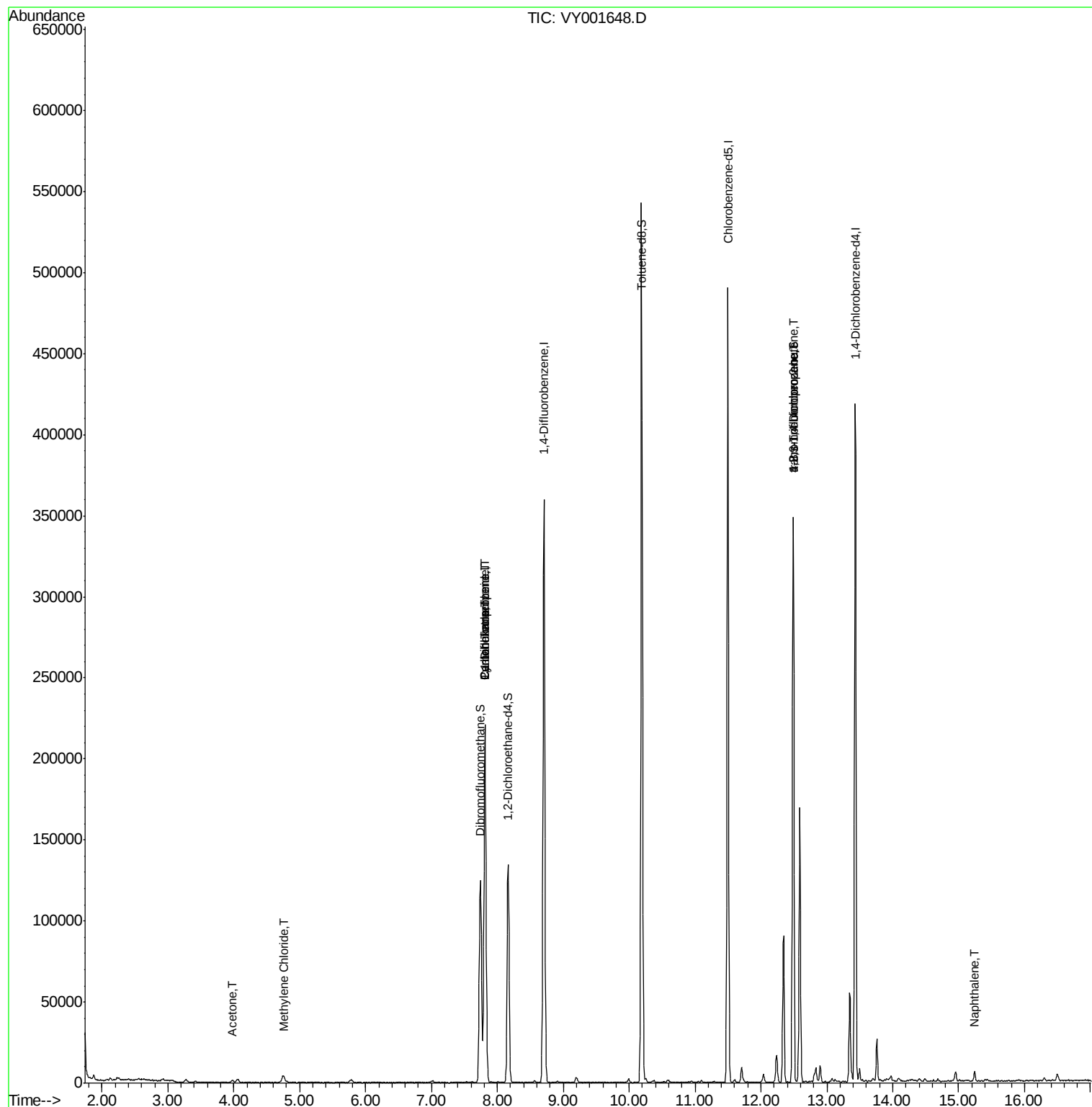
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	171	Below Cal	#	74
16) Acetone	3.99	43	2379	3.716	ug/l	89
20) Methylene Chloride	4.75	84	2827	1.243	ug/l	97
31) Cyclohexane	7.82	56	4454	1.146	ug/l #	14
36) 1,1-Dichloropropene	7.81	75	13821	4.738	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16673	6.508	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	58427	50.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58427	96.286	ug/l #	17
95) Naphthalene	15.24	128	4713	1.040	ug/l	98

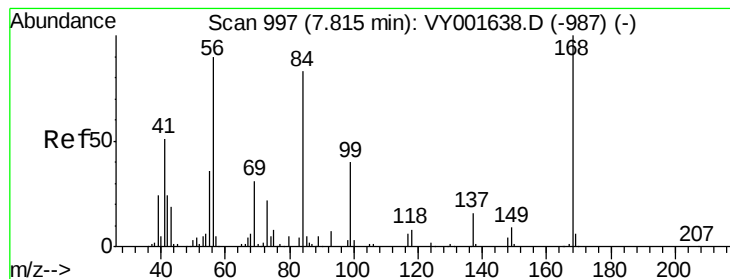
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 17 17:17:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

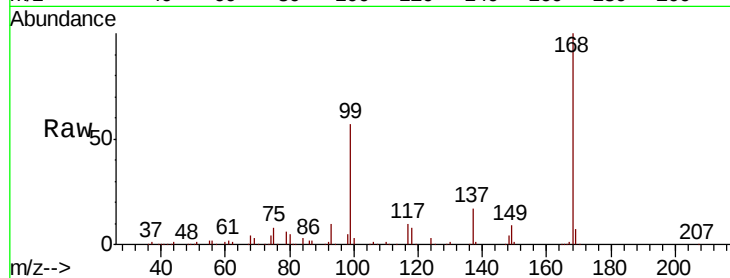
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 172022

Ion Ratio Lower Upper

168 100

99 56.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001648.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001648.D (-948) (-)

7.82

80000

60000

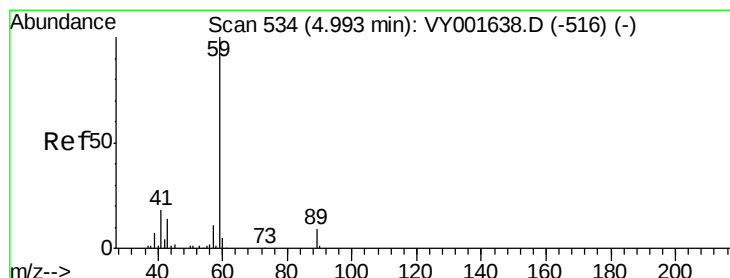
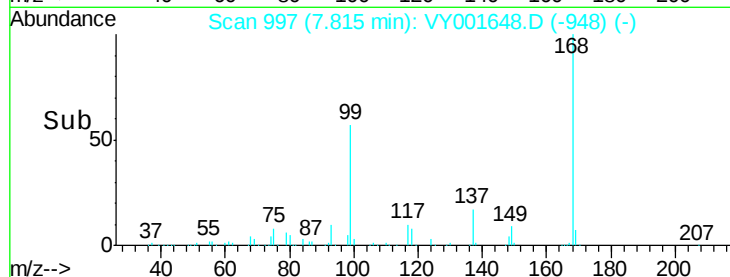
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001648.D

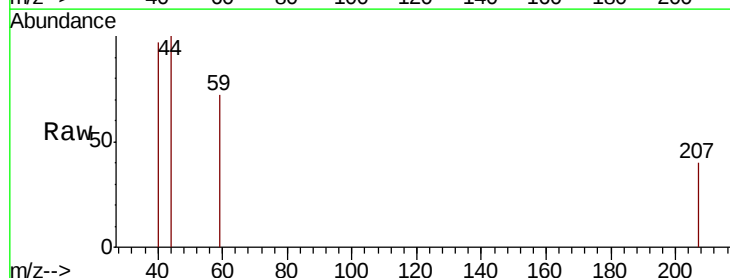
Acq: 17 Feb 2020 16:01

Tgt Ion: 59 Resp: 171

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001648.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001648.D (-485) (-)

4.97

150

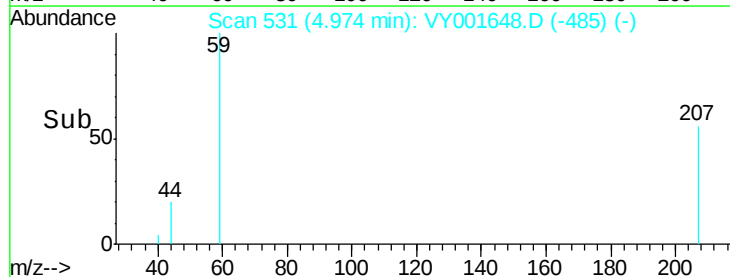
100

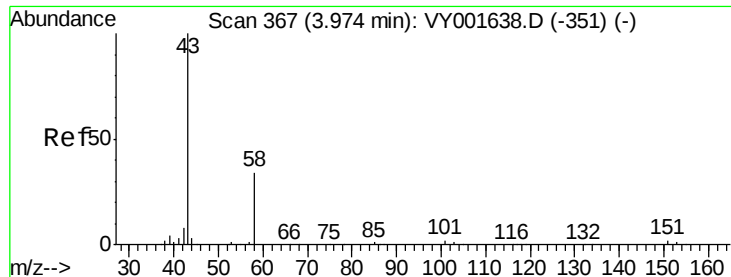
50

0

4.94 4.96 4.98 5.00

Time-->





#16

Acetone

Concen: 3.716 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

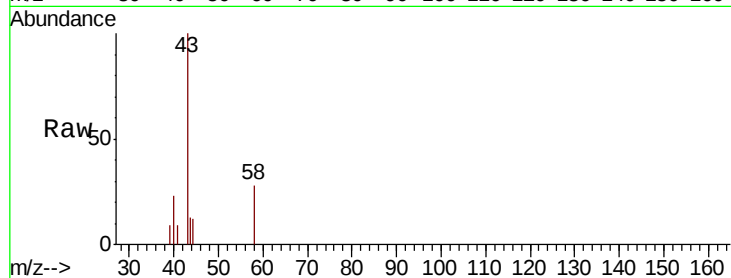
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2379

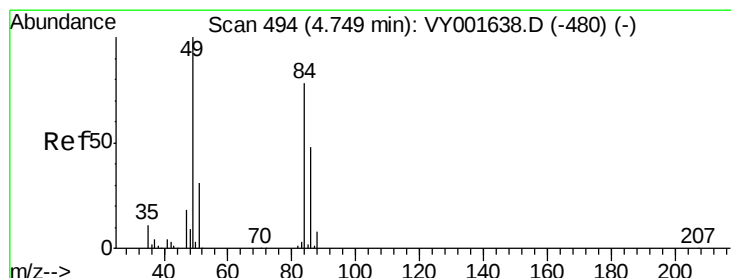
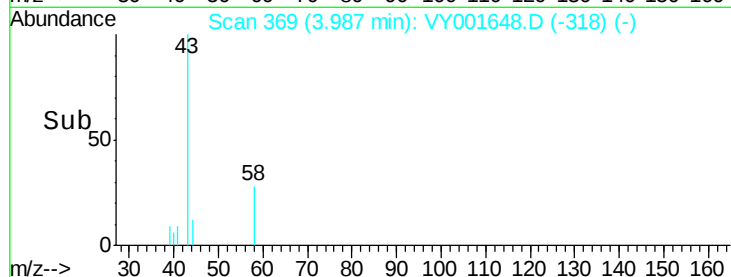
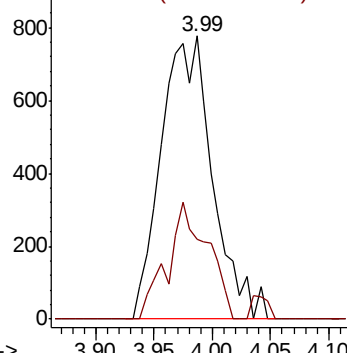
Ion Ratio Lower Upper

43 100

58 28.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.243 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

Tgt Ion: 84 Resp: 2827

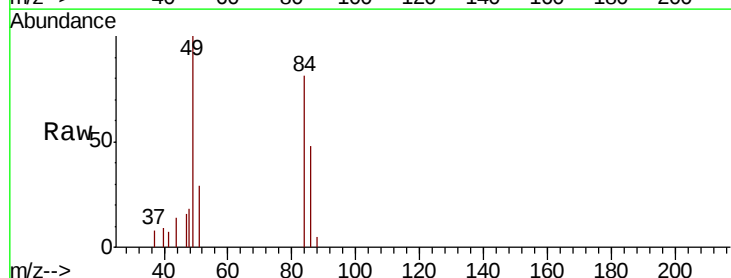
Ion Ratio Lower Upper

84 100

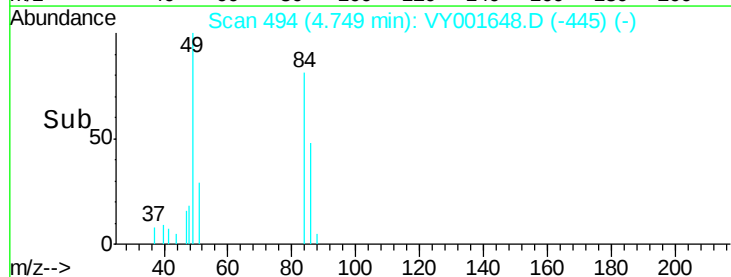
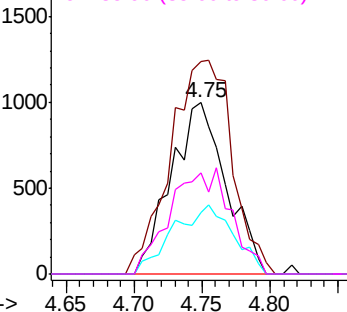
49 123.9 99.2 148.8

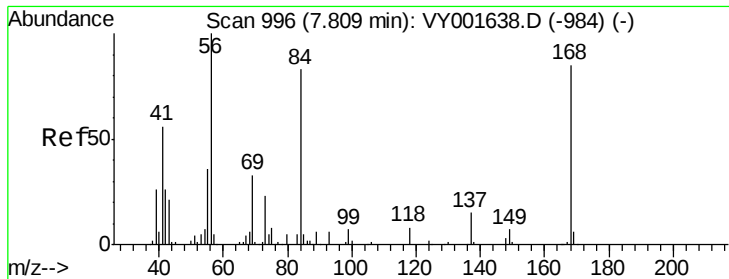
51 36.2 31.5 47.3

86 59.1 51.0 76.6



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

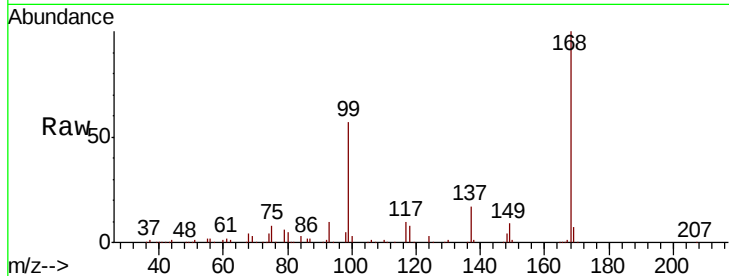




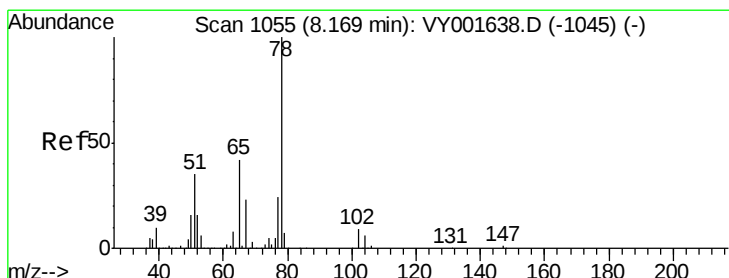
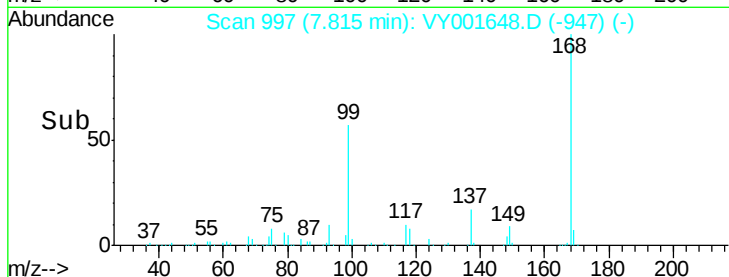
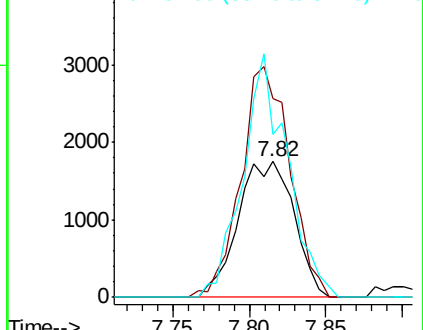
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001648.D
Acq: 17 Feb 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4454
Ion Ratio Lower Upper
56 100
69 146.4 25.1 37.7#
84 120.0 66.9 100.3#

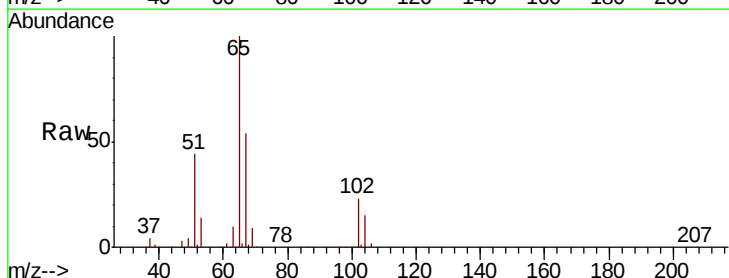


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

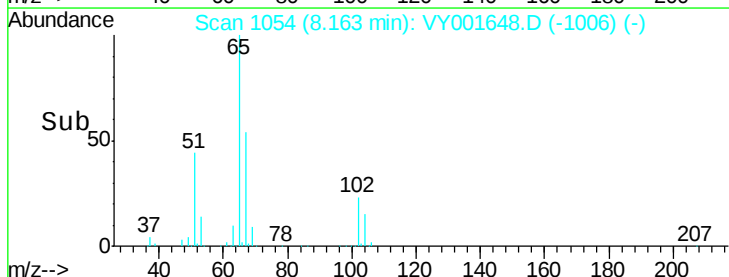
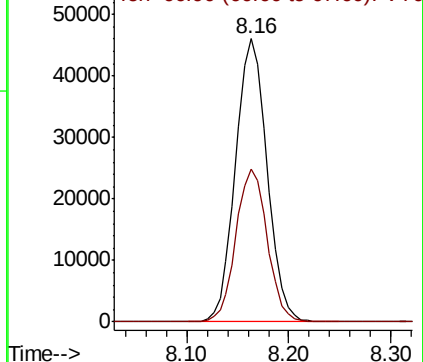


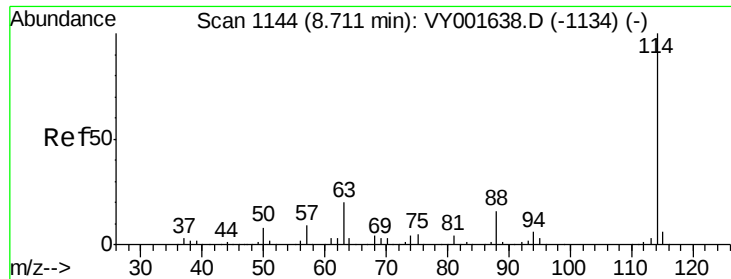
#33
1,2-Dichloroethane-d4
Concen: 53.412 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001648.D
Acq: 17 Feb 2020 16:01

Tgt Ion: 65 Resp: 98831
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.0



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

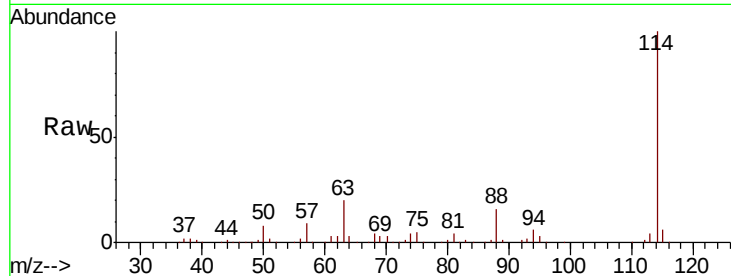




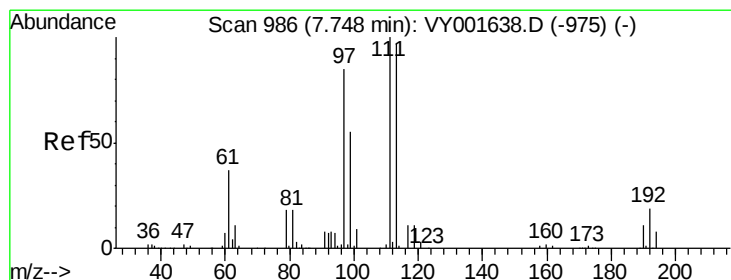
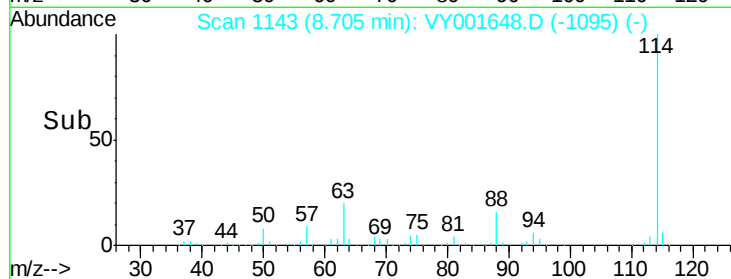
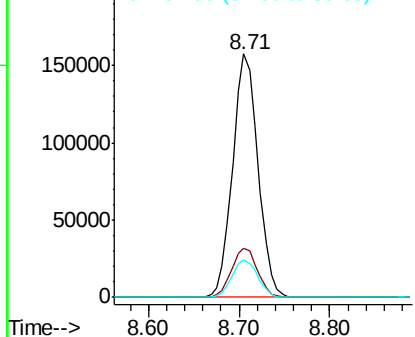
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001648.D
 Acq: 17 Feb 2020 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.4
88	15.6	0.0	32.8

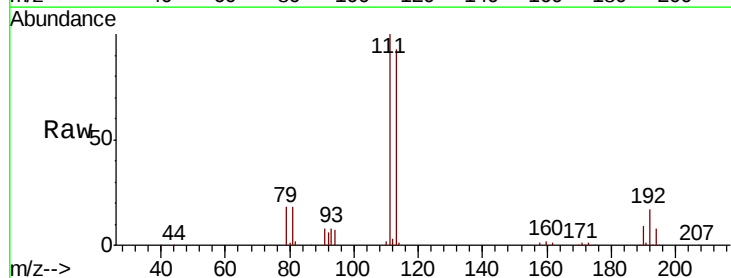


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

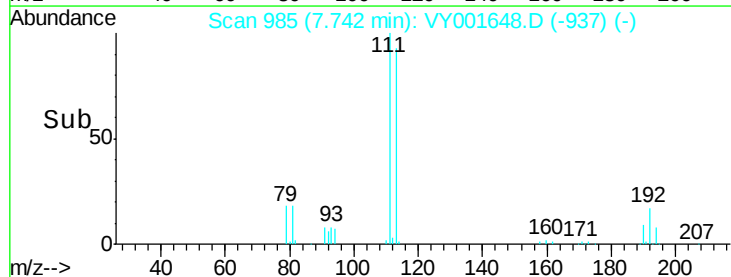
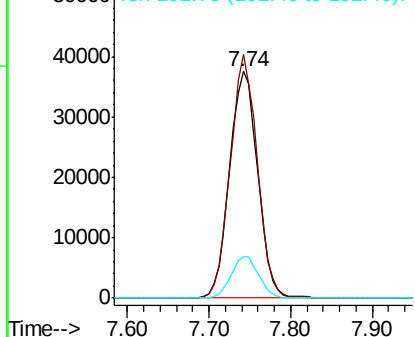


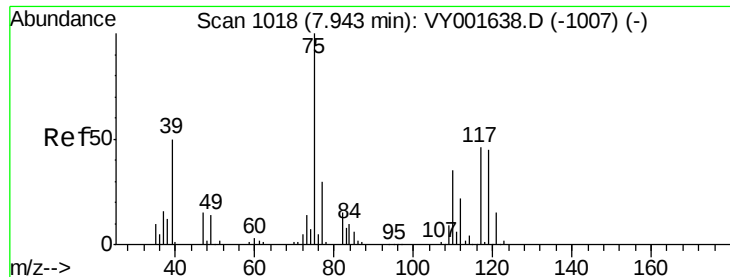
#35
 Dibromofluoromethane
 Concen: 50.962 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001648.D
 Acq: 17 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	18.1	14.3	21.5



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

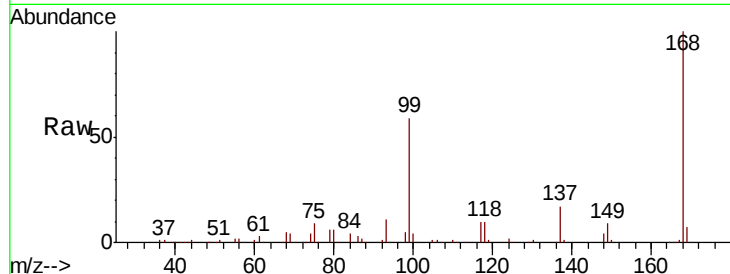




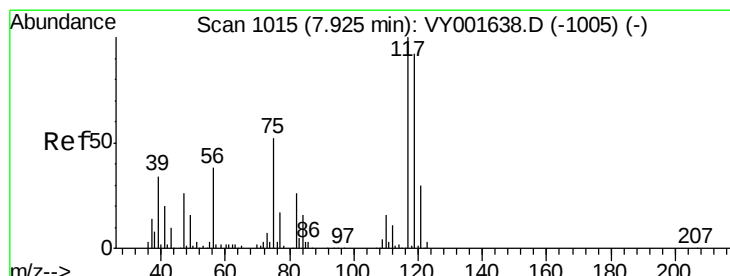
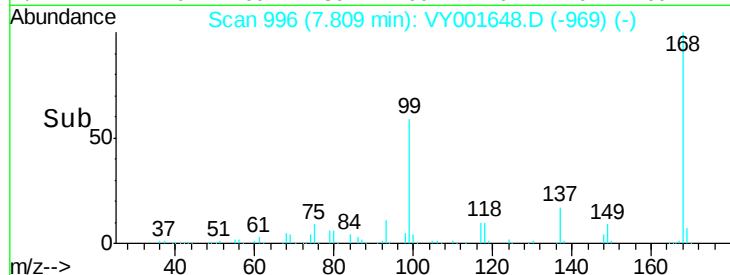
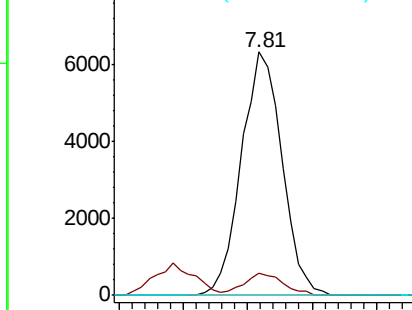
#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001648.D
 Acq: 17 Feb 2020 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.2	51.6#
77	0.0	24.8	37.2#

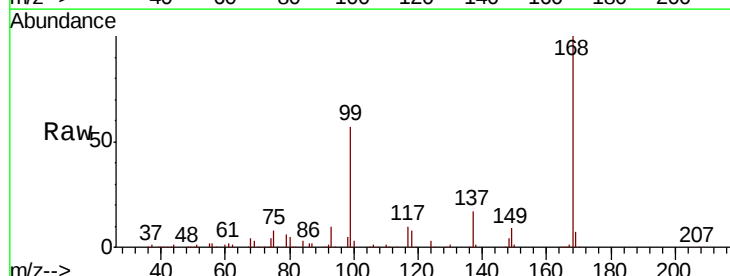


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

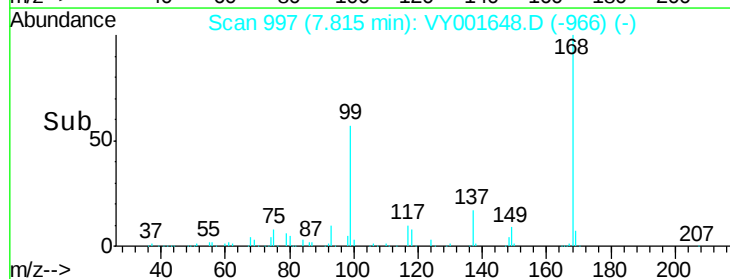
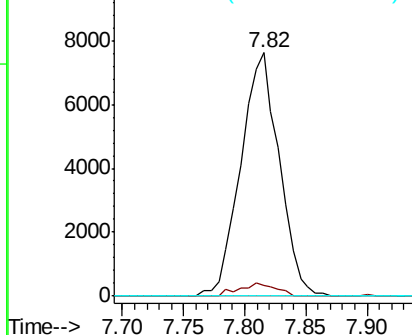


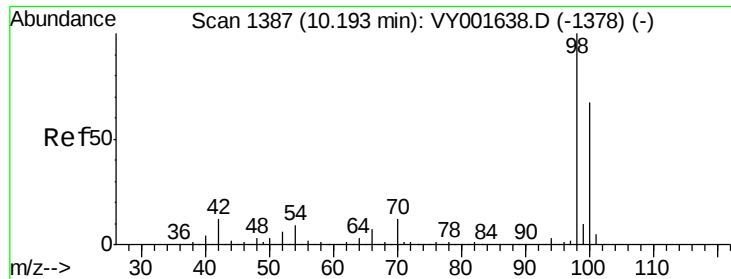
#38
 Carbon Tetrachloride
 Concen: 6.508 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001648.D
 Acq: 17 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 53.316 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

Instrument :

MSVOA_Y

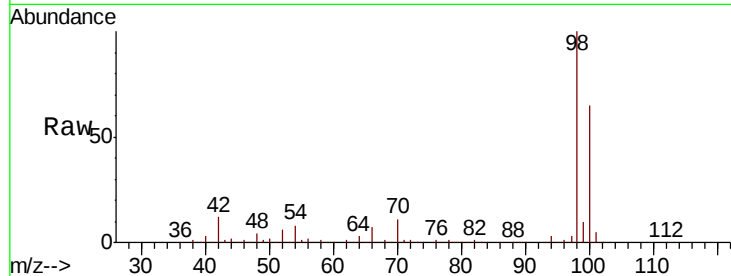
ClientSampleId :

Tot Ion: 98 Resp: 365314

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001648.D (-1338) (-)

Ion 100.00 (99.70 to 100.70): VY001648.D (-1338) (-)

10.19

200000

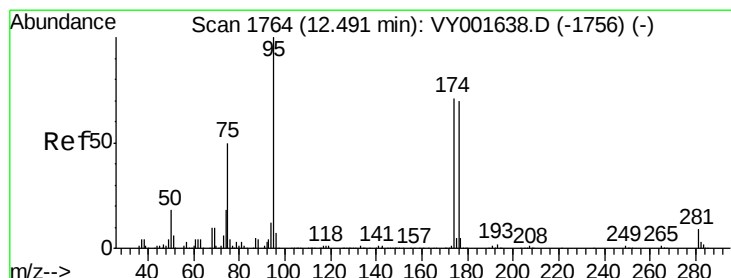
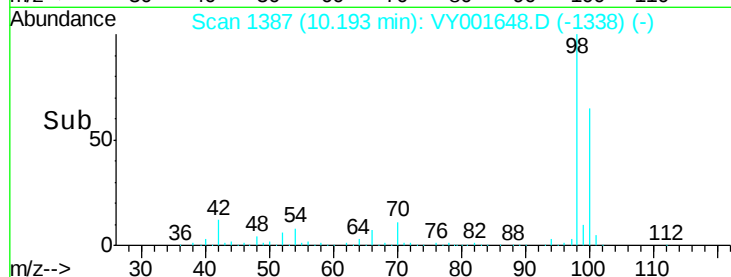
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.965 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

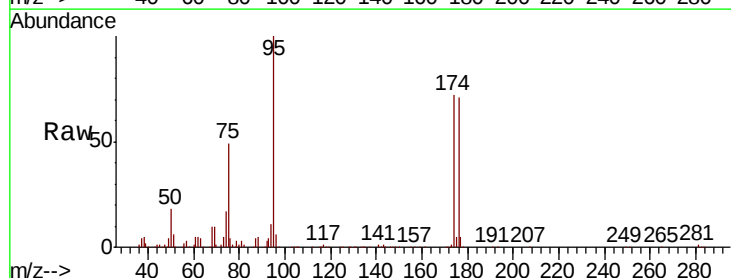
Tgt Ion: 95 Resp: 117030

Ion Ratio Lower Upper

95 100

174 73.4 0.0 138.4

176 69.8 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001648.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001648.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001648.D (-1715) (-)

100000

80000

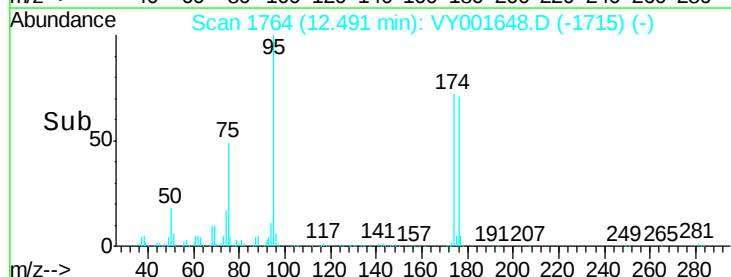
60000

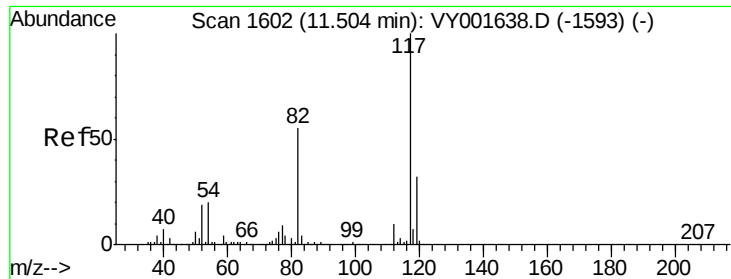
40000

20000

0

Time-->

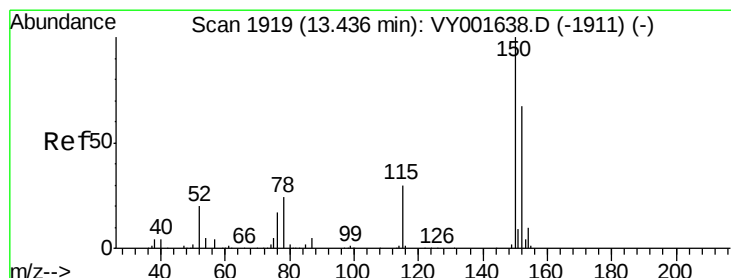
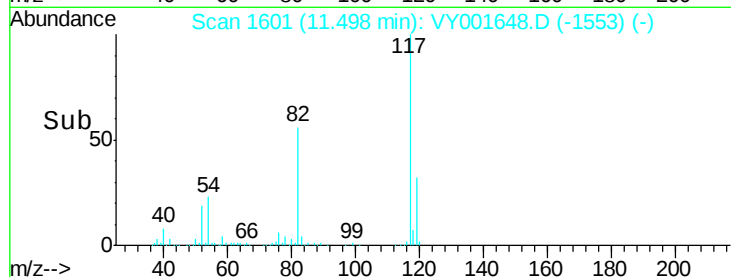
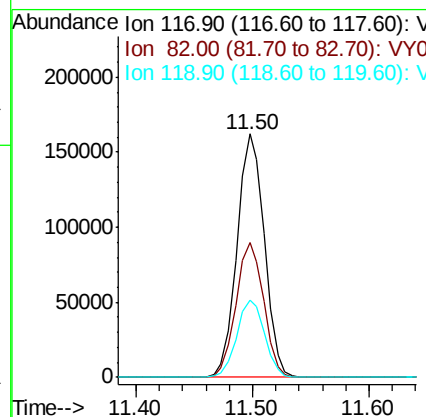
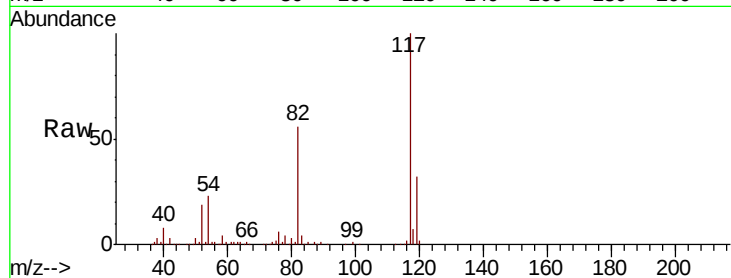




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001648.D
Acq: 17 Feb 2020 16:01

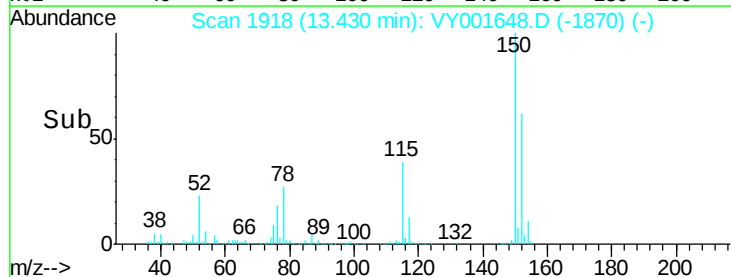
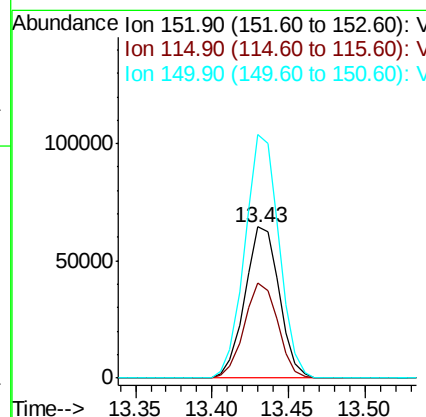
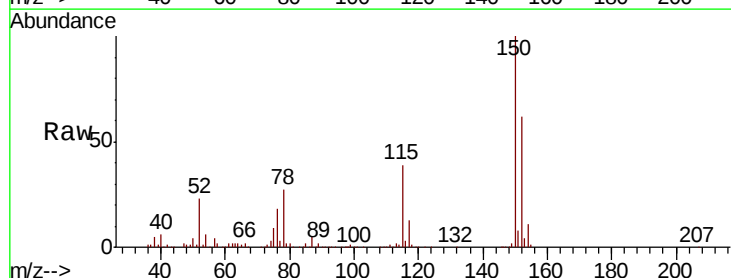
Instrument :
MSVOA_Y
ClientSampleId :

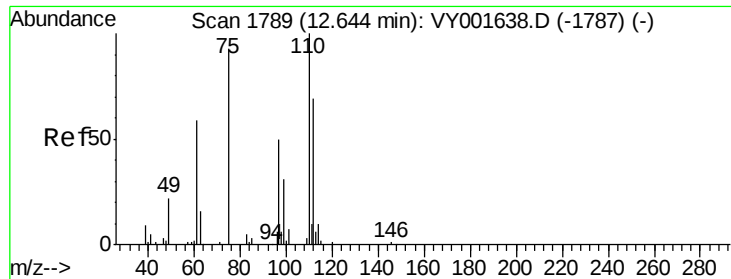
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.5	68.3
119	31.7	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001648.D
Acq: 17 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.4	94.2
150	160.3	0.0	407.2





#76

1,2,3-Trichloropropane

Concen: 50.752 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

Instrument :

MSVOA_Y

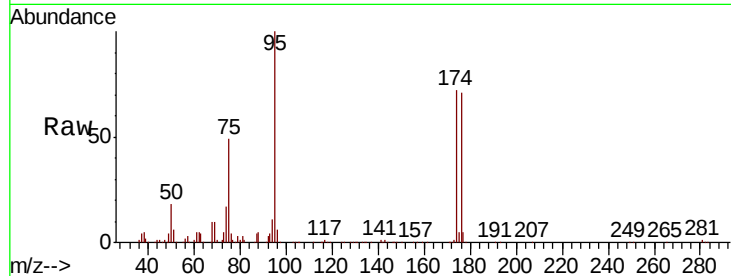
ClientSampleId :

Tot Ion: 75 Resp: 58427

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.49

40000

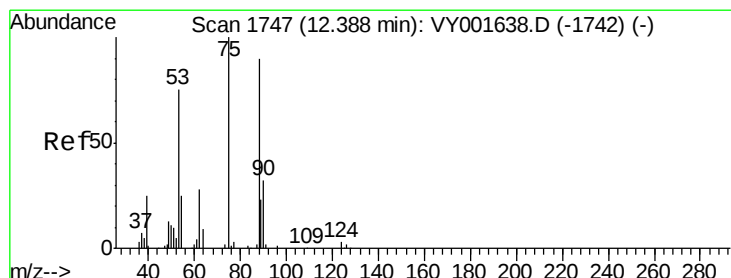
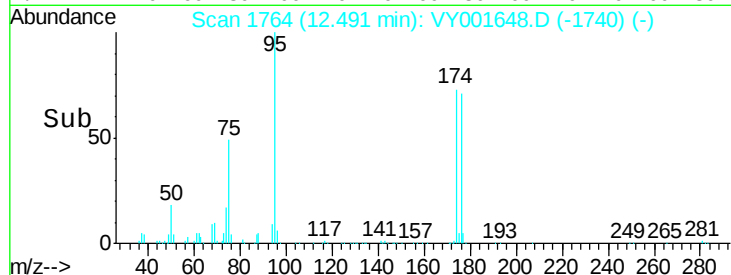
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 96.286 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001648.D

Acq: 17 Feb 2020 16:01

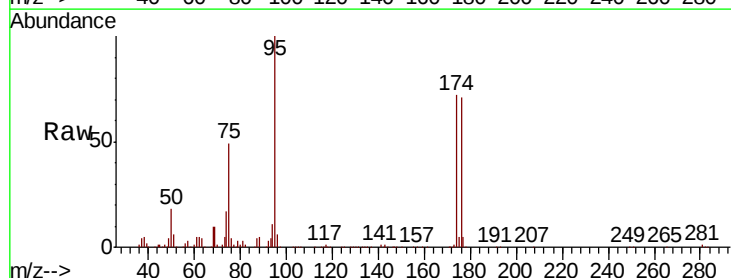
Tgt Ion: 75 Resp: 58427

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

50000

40000

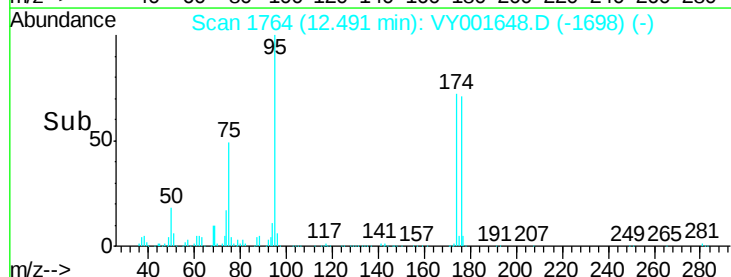
30000

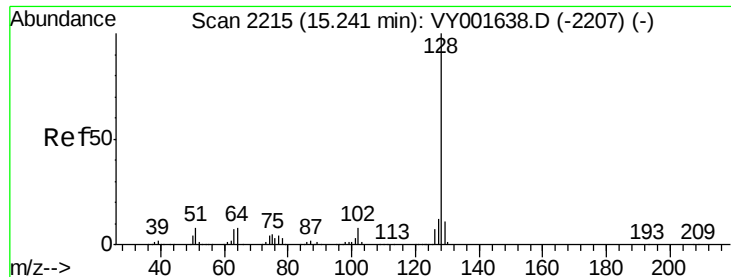
20000

10000

0

Time--> 12.40 12.45 12.50 12.55

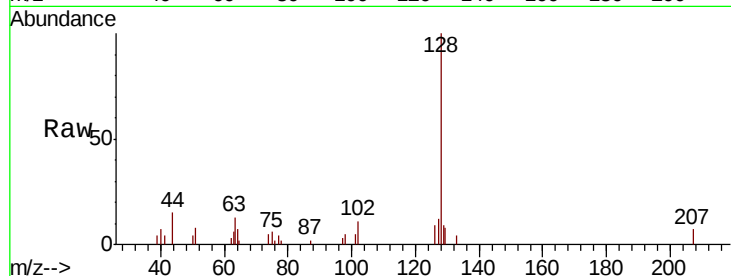




#95
 Naphthalene
 Concen: 1.040 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VY001648.D
 Acq: 17 Feb 2020 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	11.6	8.6	13.0



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

