

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002493.D
 Acq On : 28 Apr 2020 14:42
 Operator : SY/MD
 Sample : L2428-06
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 28 15:11:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	13593	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	14068	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	16777	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	5812	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	5607	47.19	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	94.38%	
35) Dibromofluoromethane	7.72	113	4985	62.82	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	125.64%	
50) Toluene-d8	10.18	98	22974	72.03	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	144.06%	
62) 4-Bromofluorobenzene	12.49	95	5447	50.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.80%	

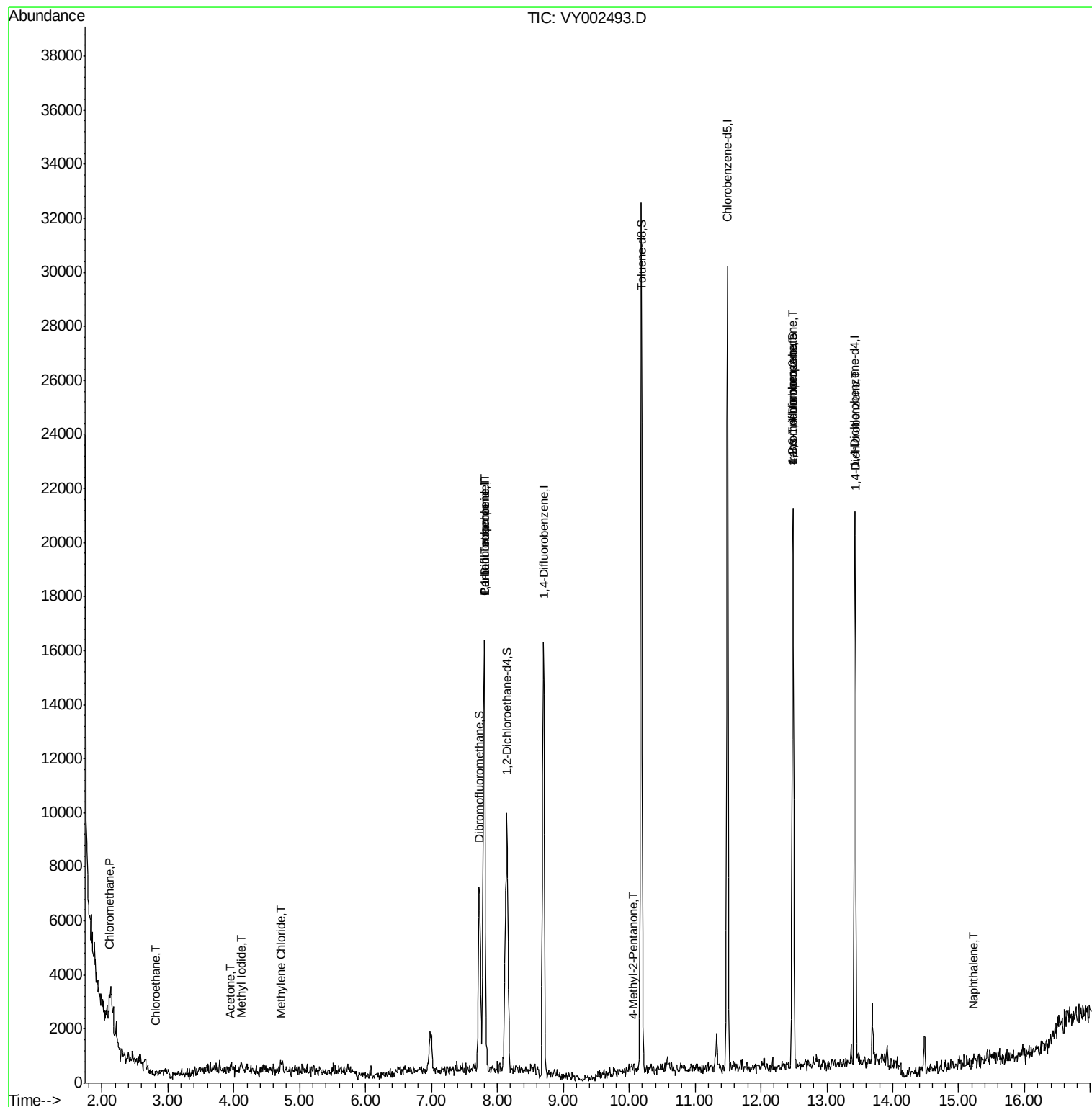
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	321	2.534	ug/l #	43
6) Chloroethane	2.81	64	194	6.680	ug/l #	41
10) Methyl Iodide	4.11	142	407	2.323	ug/l #	89
16) Acetone	3.95	43	252	10.150	ug/l #	42
20) Methylene Chloride	4.72	84	180	1.270	ug/l #	44
36) 1,1-Dichloropropene	7.81	75	814	6.748	ug/l #	42
38) Carbon Tetrachloride	7.80	117	1235	8.903	ug/l #	12
51) 4-Methyl-2-Pentanone	10.06	43	108	1.834	ug/l #	63
76) 1,2,3-Trichloropropane	12.48	75	2981	60.516	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	2981	111.983	ug/l #	15
88) 1,4-Dichlorobenzene	13.44	146	238	1.328	ug/l #	58
95) Naphthalene	15.23	128	270	1.188	ug/l #	69

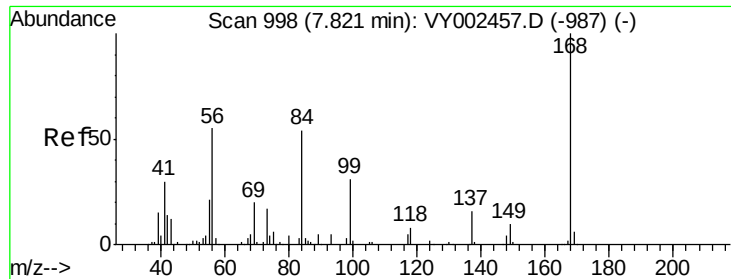
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Instrument :

MSVOA_Y

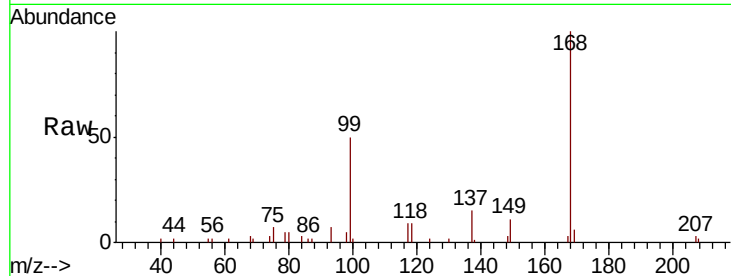
ClientSampleId :

Tot Ion:168 Resp: 13593

Ion Ratio Lower Upper

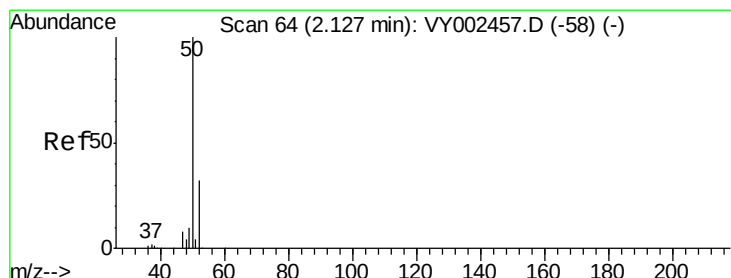
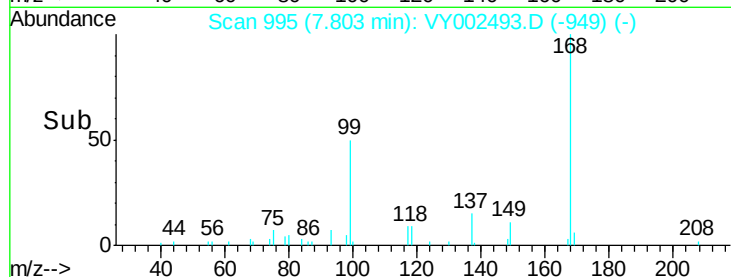
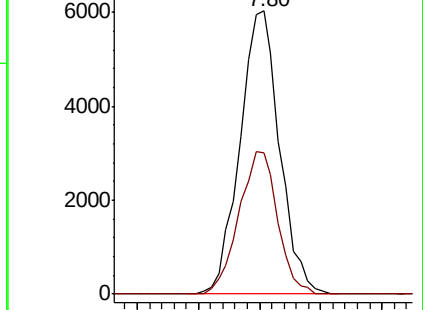
168 100

99 50.1 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)



#3

Chloromethane

Concen: 2.534 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002493.D

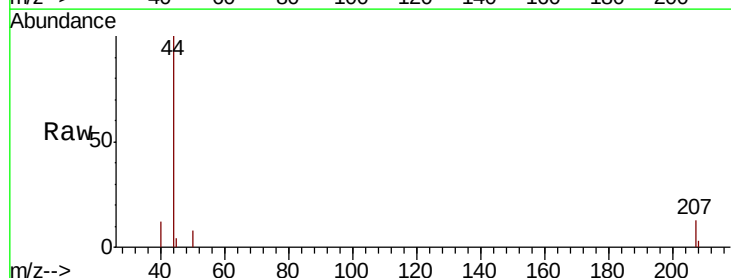
Acq: 28 Apr 2020 14:42

Tgt Ion: 50 Resp: 321

Ion Ratio Lower Upper

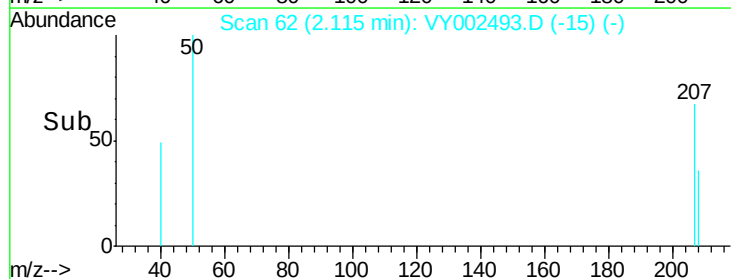
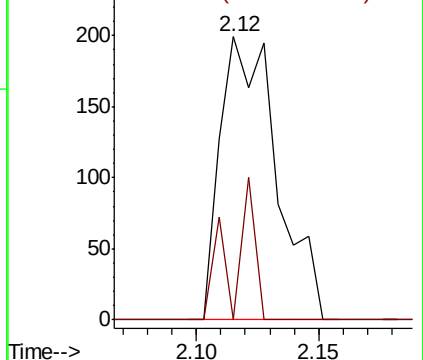
50 100

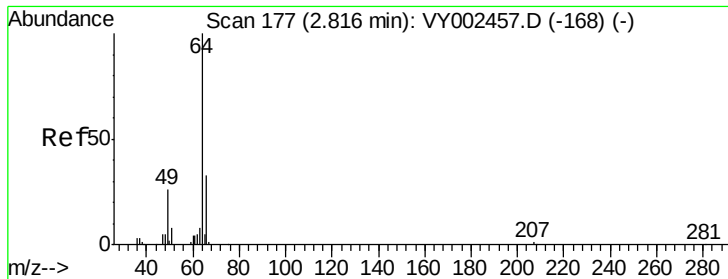
52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY002457.D (-58) (-)

Ion 51.90 (51.60 to 52.60): VY002457.D (-58) (-)





#6

Chloroethane

Concen: 6.680 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Instrument :

MSVOA_Y

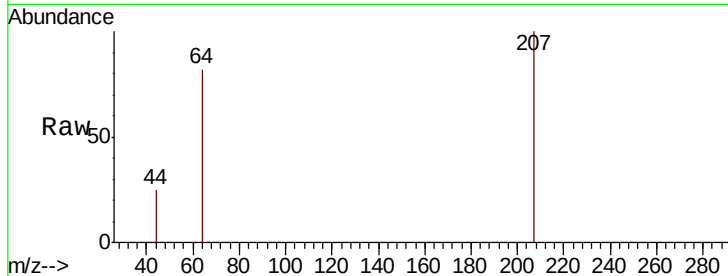
ClientSampleId :

Tot Ion: 64 Resp: 194

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

200

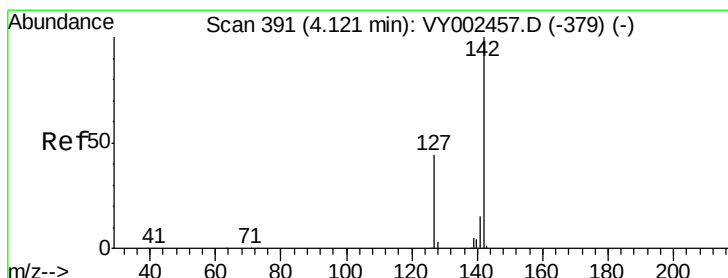
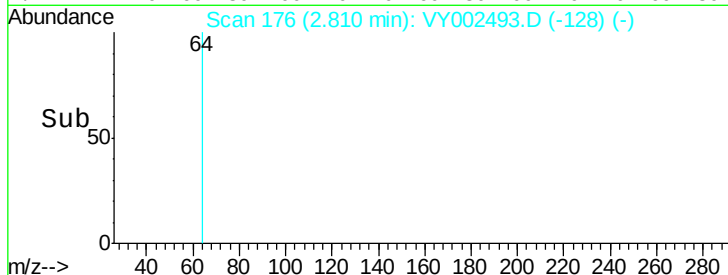
150

100

50

0

Time--> 2.78 2.80 2.82



#10

Methyl Iodide

Concen: 2.323 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

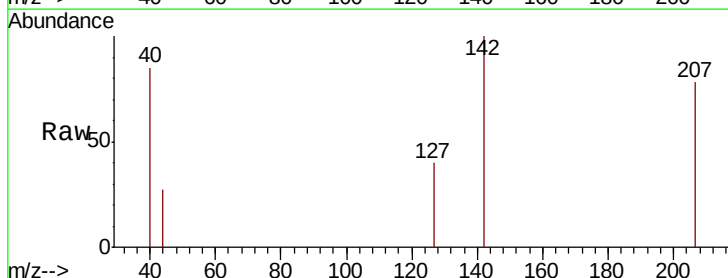
Tgt Ion: 142 Resp: 407

Ion Ratio Lower Upper

142 100

127 46.7 35.8 53.8

141 0.0 11.6 17.4#



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

300

250

200

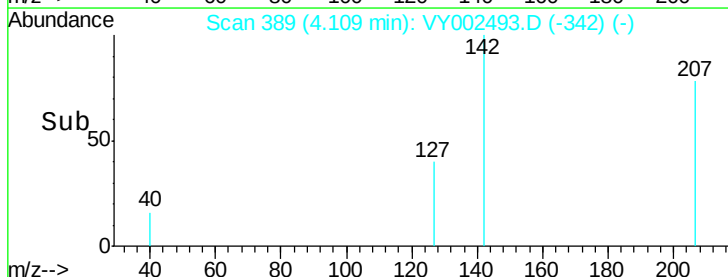
150

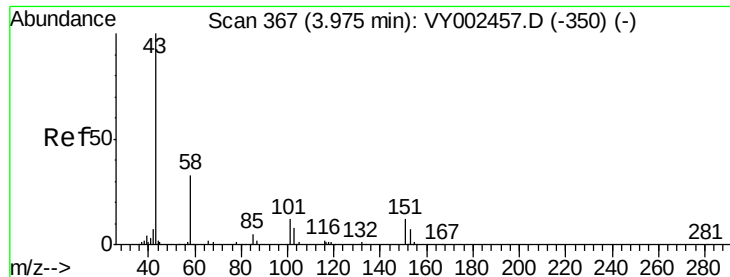
100

50

0

Time--> 4.05 4.10 4.15





#16

Acetone

Concen: 10.150 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Instrument :

MSVOA_Y

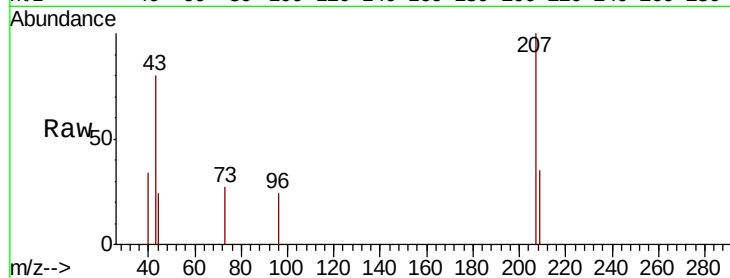
ClientSampleId :

Tot Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

58 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

200

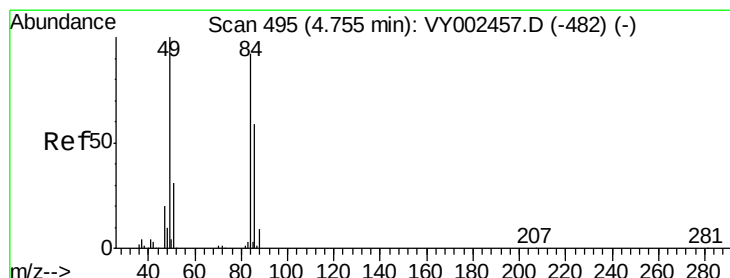
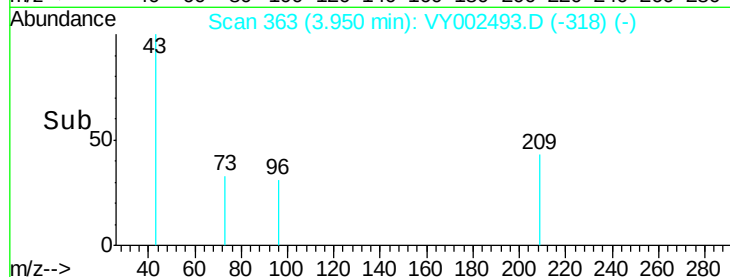
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 1.270 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.04 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Tgt Ion: 84 Resp: 180

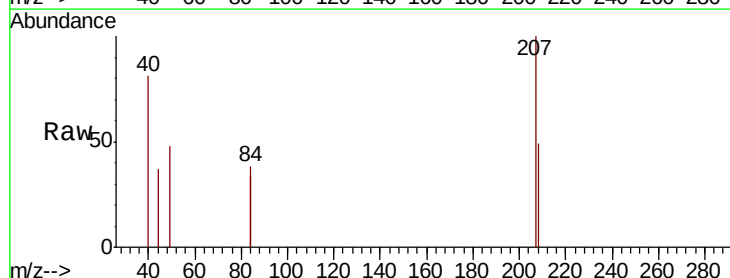
Ion Ratio Lower Upper

84 100

49 66.0 86.9 130.3#

51 0.0 27.3 40.9#

86 0.0 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

4.72

300

250

200

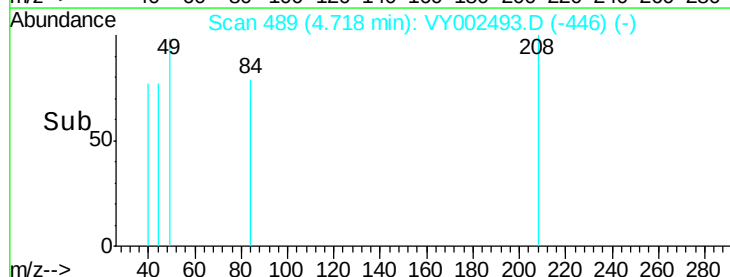
150

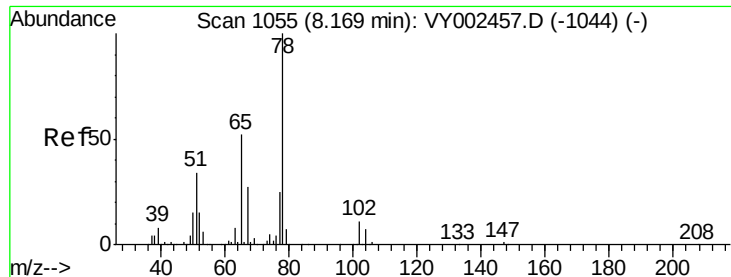
100

50

0

Time-->

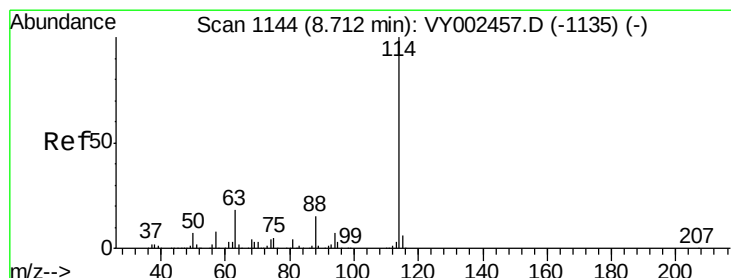
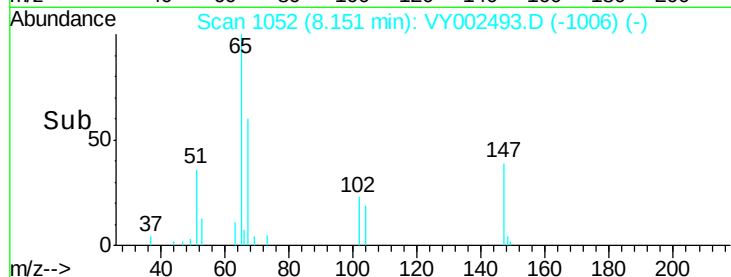
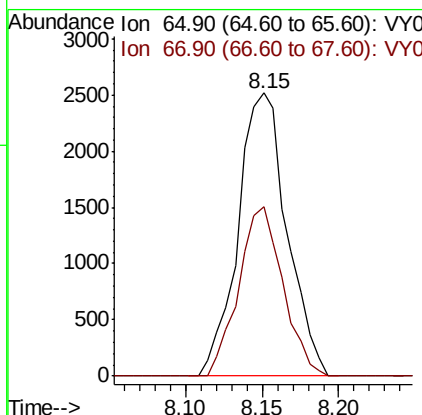
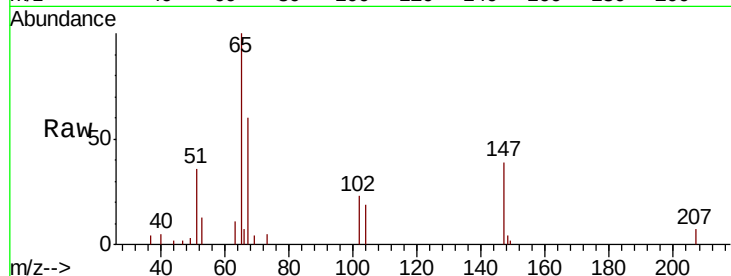




#33
 1,2-Dichloroethane-d4
 Concen: 47.194 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY002493.D
 Acq: 28 Apr 2020 14:42

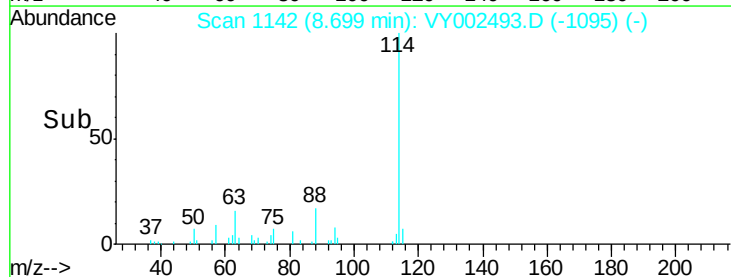
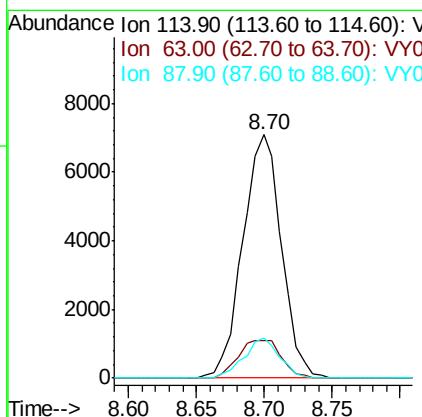
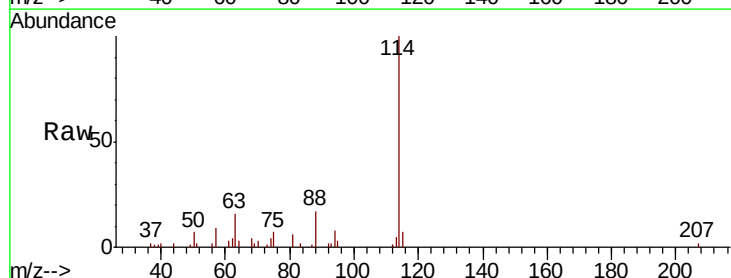
Instrument :
 MSVOA_Y
 ClientSampled :

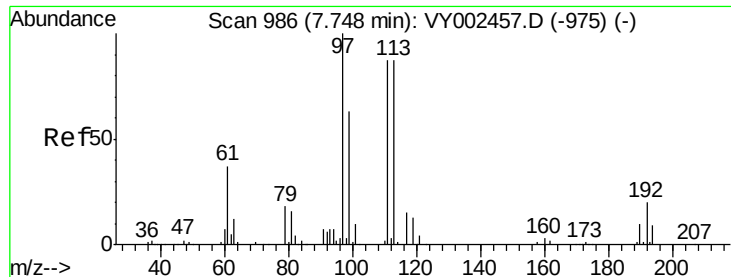
Tot Ion: 65 Resp: 5607
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002493.D
 Acq: 28 Apr 2020 14:42

Tgt Ion: 114 Resp: 14068
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 35.6
 88 16.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 62.822 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.02 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

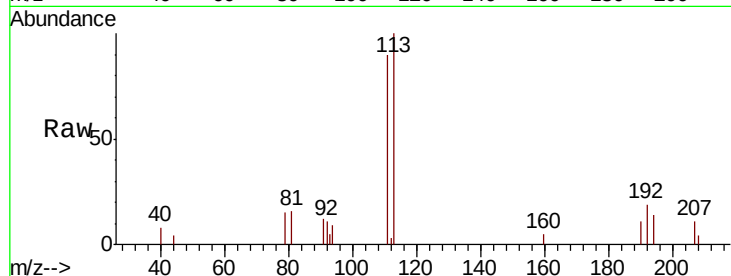
Tot Ion:113 Resp: 4985

Ion Ratio Lower Upper

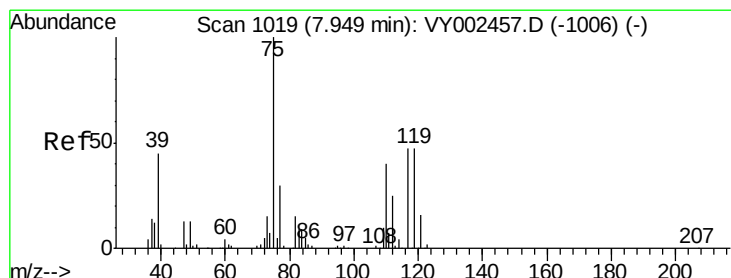
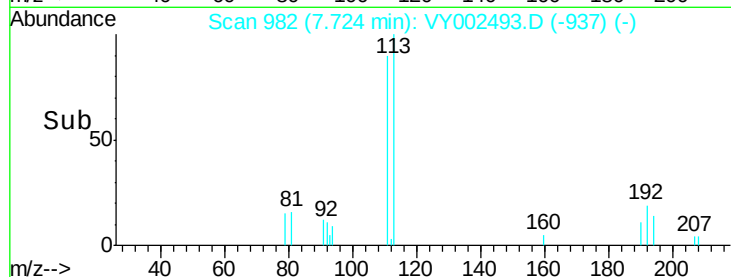
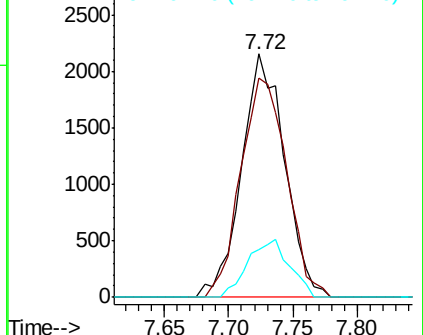
113 100

111 96.1 81.0 121.4

192 22.9 18.6 27.8



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: 6.748 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.14 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

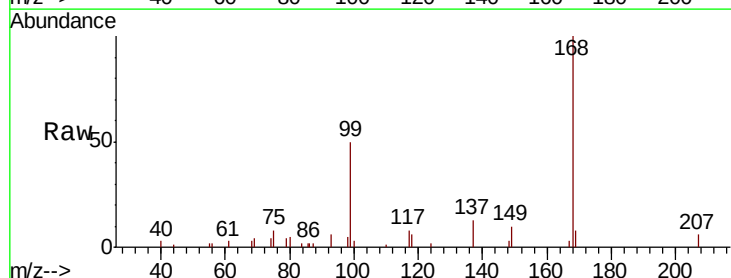
Tgt Ion: 75 Resp: 814

Ion Ratio Lower Upper

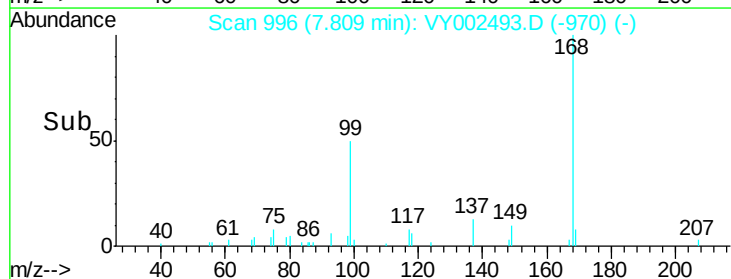
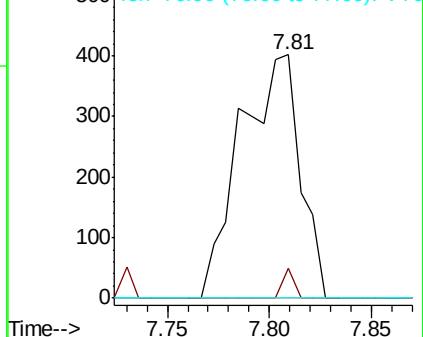
75 100

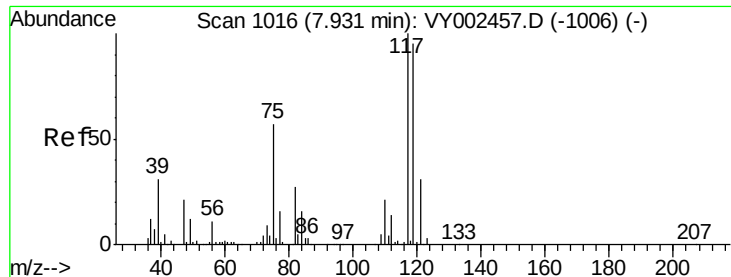
110 2.2 19.4 58.4#

77 0.0 24.7 37.1#



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

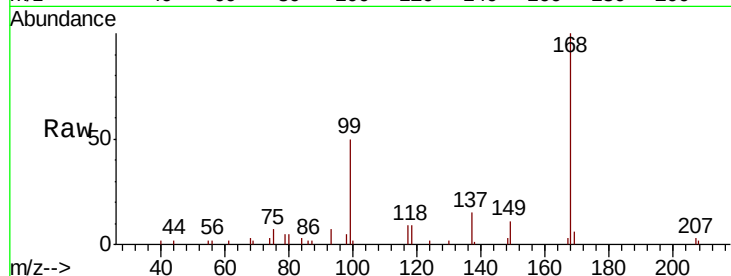




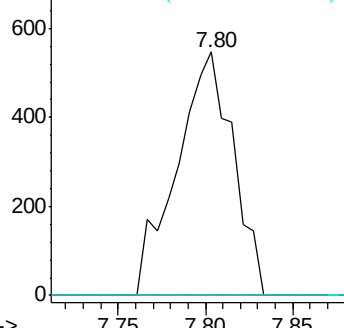
#38
Carbon Tetrachloride
Concen: 8.903 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.13 min
Lab File: VY002493.D
Acq: 28 Apr 2020 14:42

Instrument :
MSVOA_Y
ClientSampled :

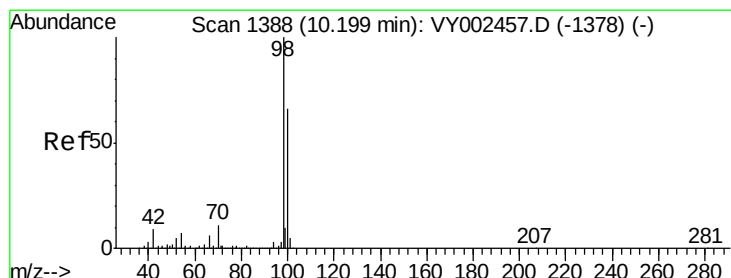
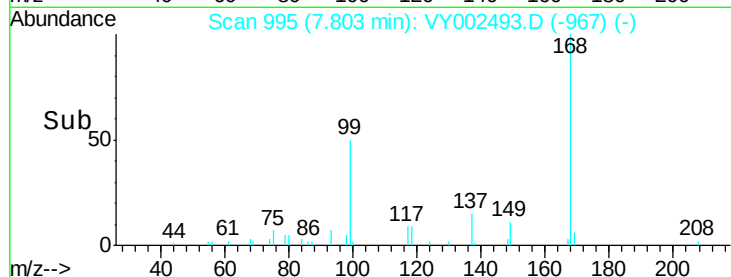
Tot Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.9	113.9#
121	0.0	24.5	36.7#



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

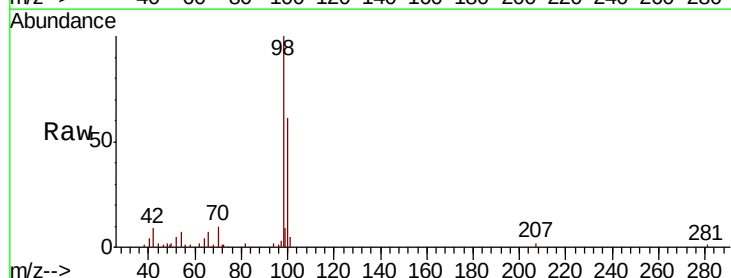


Time-->

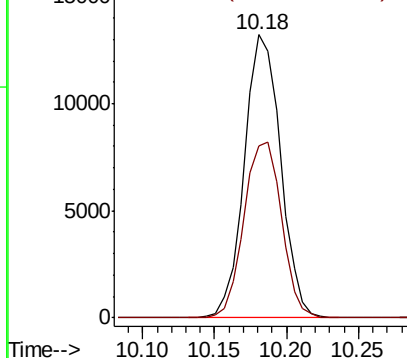


#50
Toluene-d8
Concen: 72.035 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.02 min
Lab File: VY002493.D
Acq: 28 Apr 2020 14:42

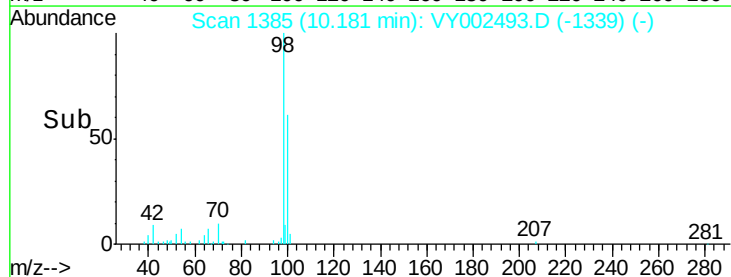
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7

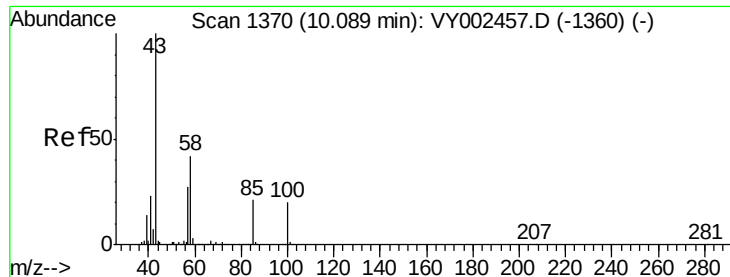


Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY



Time-->

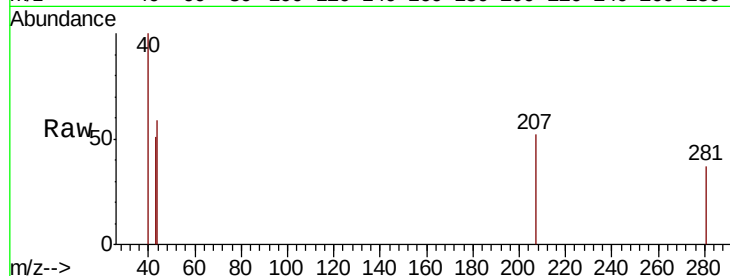




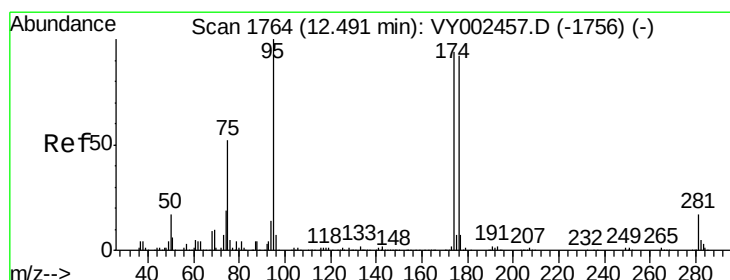
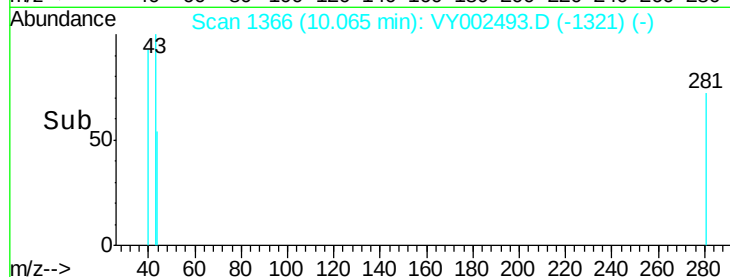
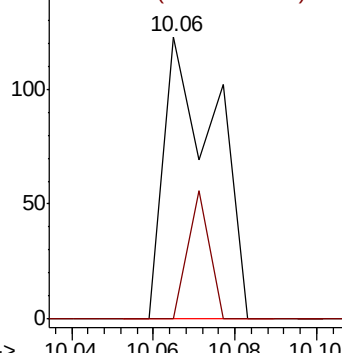
#51
4-Methyl-2-Pentanone
Concen: 1.834 ug/l
RT: 10.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VY002493.D
Acq: 28 Apr 2020 14:42

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
58 18.5 33.2 49.8#

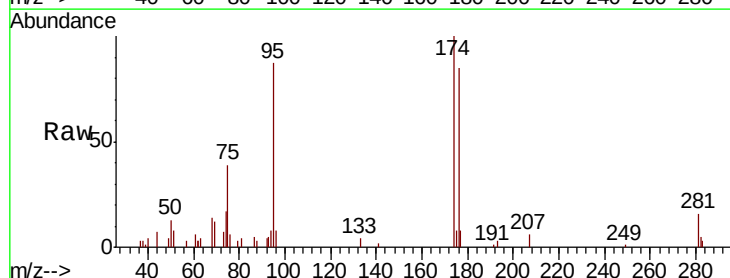


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

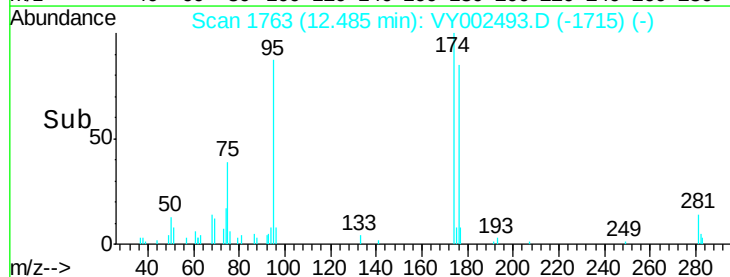
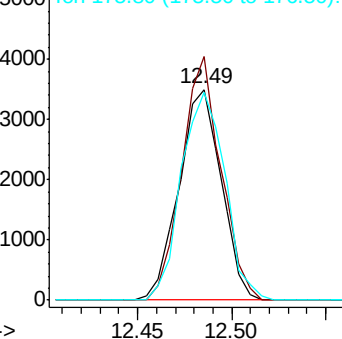


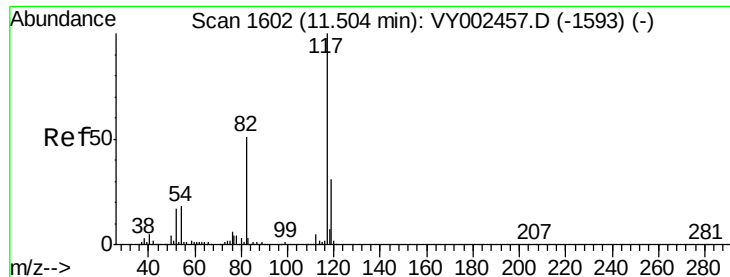
#62
4-Bromofluorobenzene
Concen: 50.900 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002493.D
Acq: 28 Apr 2020 14:42

Tgt Ion: 95 Resp: 5447
Ion Ratio Lower Upper
95 100
174 106.9 0.0 193.0
176 101.9 0.0 190.4



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

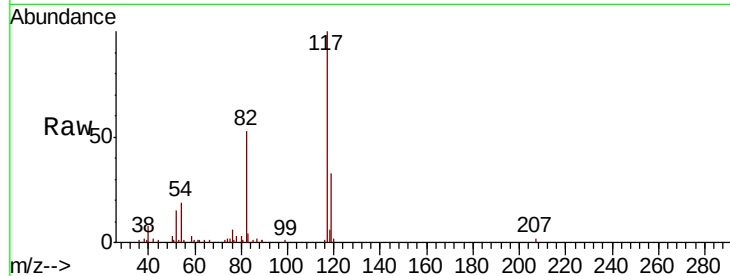




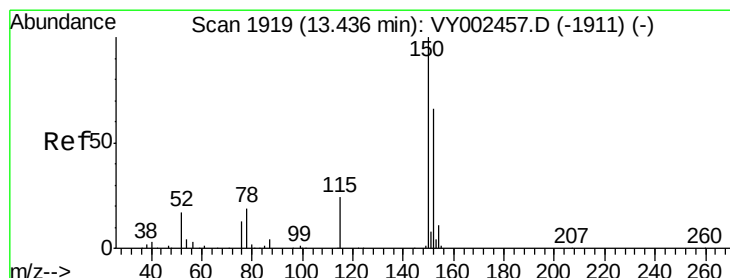
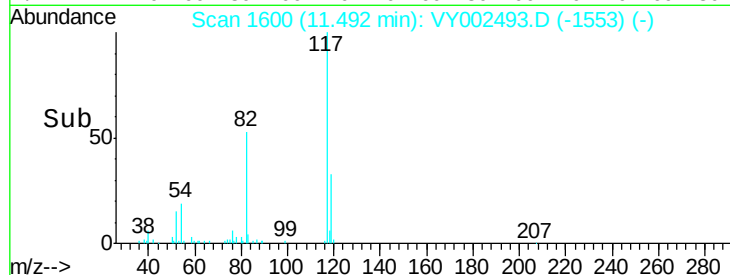
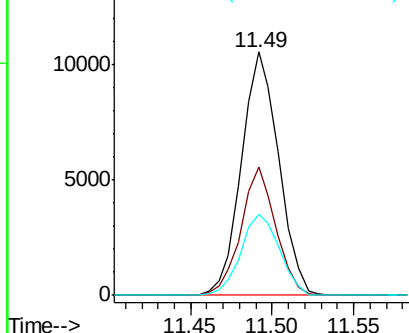
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002493.D
Acq: 28 Apr 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16777
Ion Ratio Lower Upper
117 100
82 52.6 40.8 61.2
119 33.2 25.2 37.8

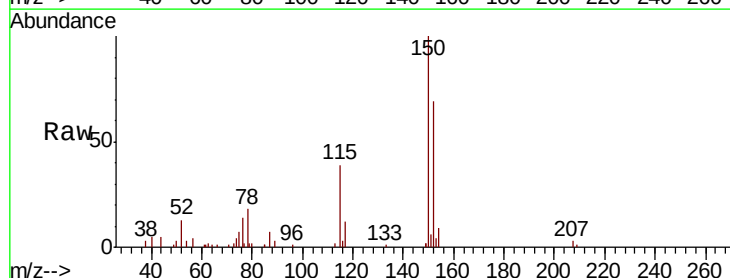


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

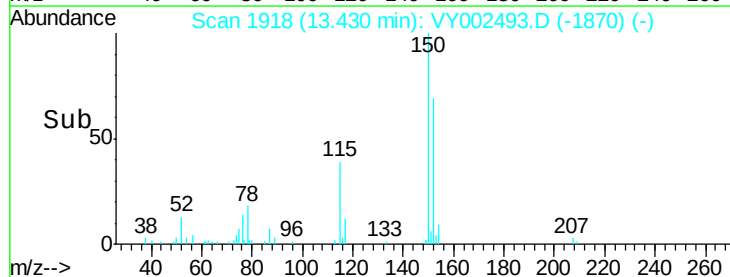
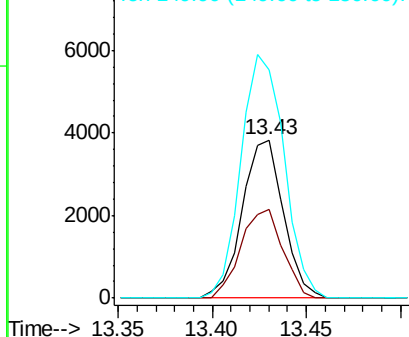


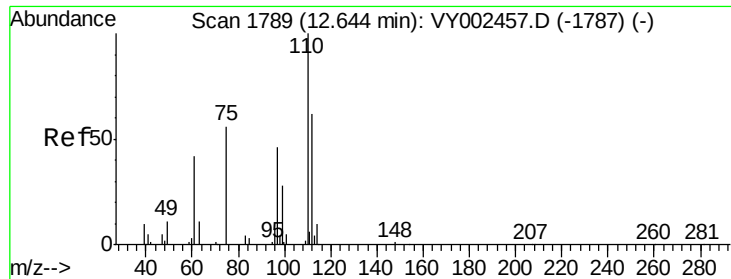
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002493.D
Acq: 28 Apr 2020 14:42

Tgt Ion:152 Resp: 5812
Ion Ratio Lower Upper
152 100
115 56.6 27.3 81.8
150 161.3 0.0 346.8



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: 60.516 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Instrument :

MSVOA_Y

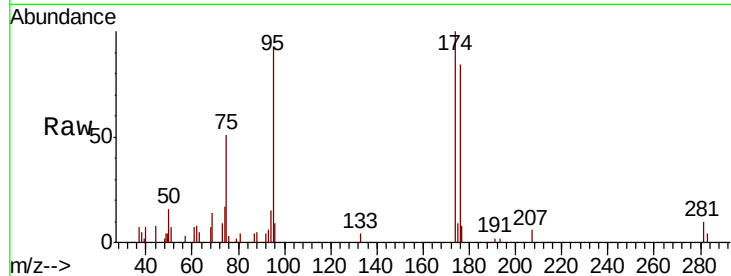
ClientSampleId :

Tot Ion: 75 Resp: 2981

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

1500

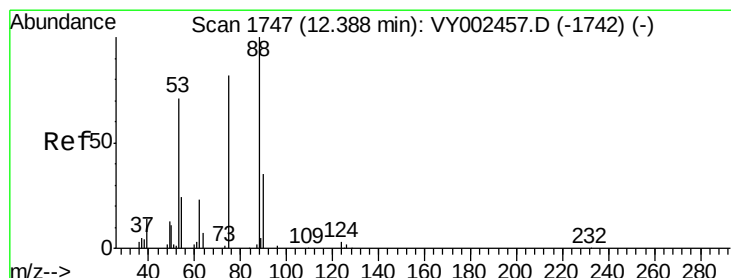
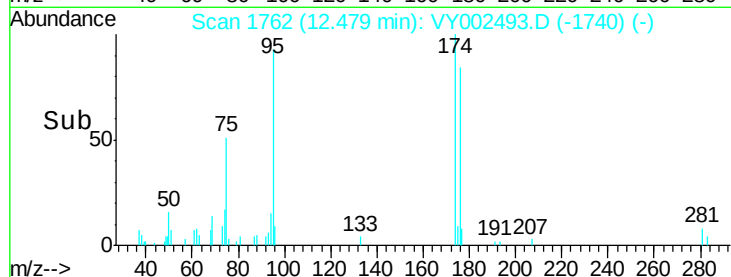
1000

500

0

12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.983 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

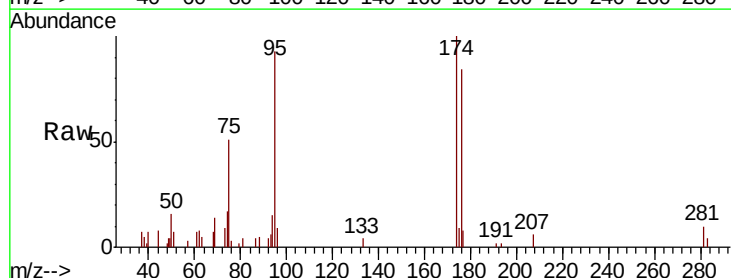
Tgt Ion: 75 Resp: 2981

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.0 34.9 52.3#



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

12.48

1500

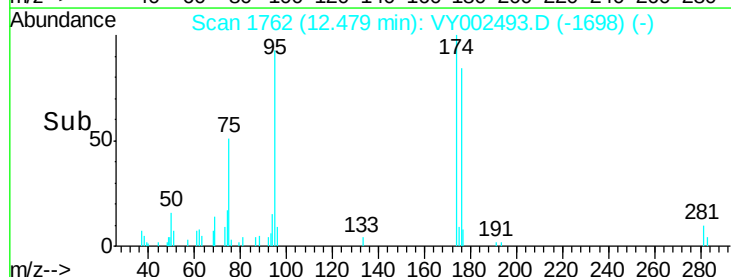
1000

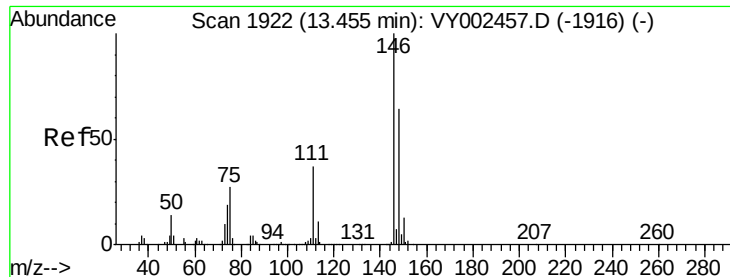
500

0

12.45 12.50

Time-->





#88

1,4-Dichlorobenzene

Concen: 1.328 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.02 min

Lab File: VY002493.D

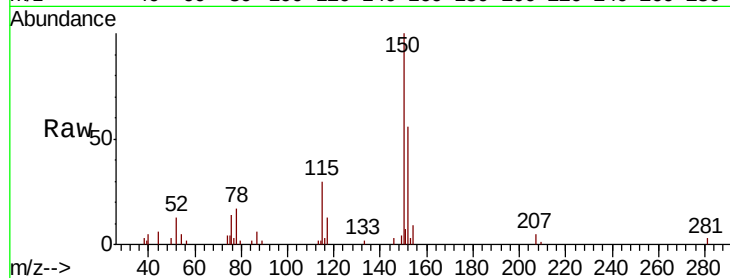
Acq: 28 Apr 2020 14:42

Instrument :

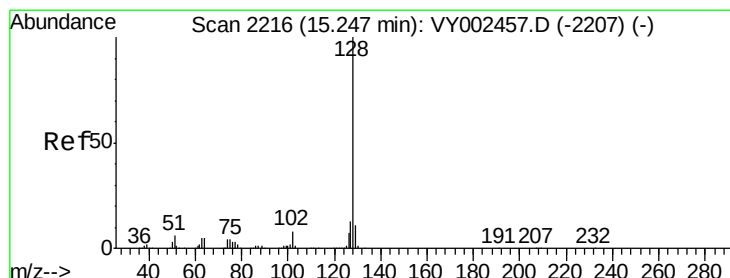
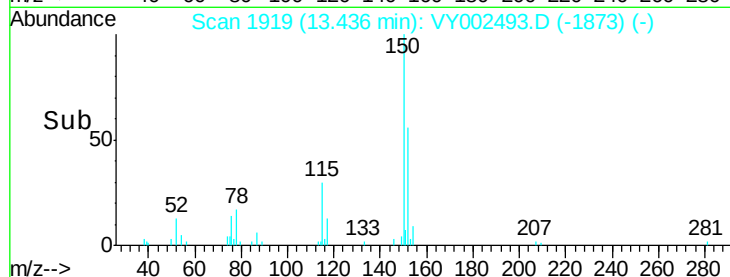
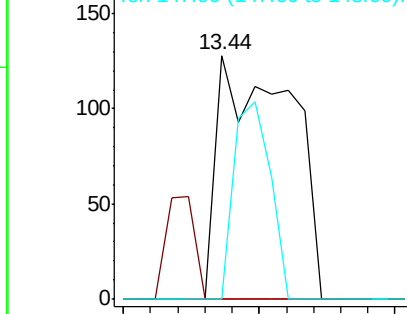
MSVOA_Y

ClientSampleId :

Tot Ion:	146	Resp:	238
Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.1	54.1#
148	40.3	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 1.188 ug/l

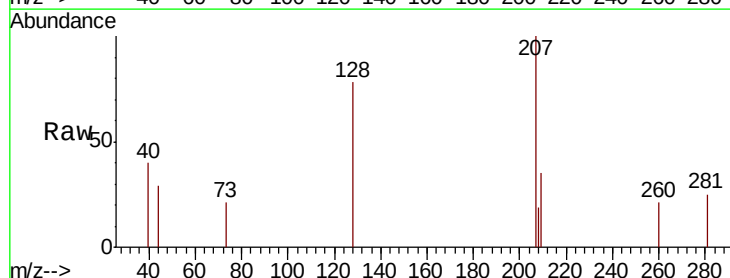
RT: 15.23 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VY002493.D

Acq: 28 Apr 2020 14:42

Tgt Ion:	128	Resp:	270
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#



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

