

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042420\
 Data File : VY002478.D
 Acq On : 24 Apr 2020 13:17
 Operator : SY/MD
 Sample : VY0424SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 25 05:50:22 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	7.82	168	292982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	458075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	407674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	201142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	144328	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
35) Dibromofluoromethane	7.74	113	136671	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.19	98	528343	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.49	95	169363	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

Target Compounds

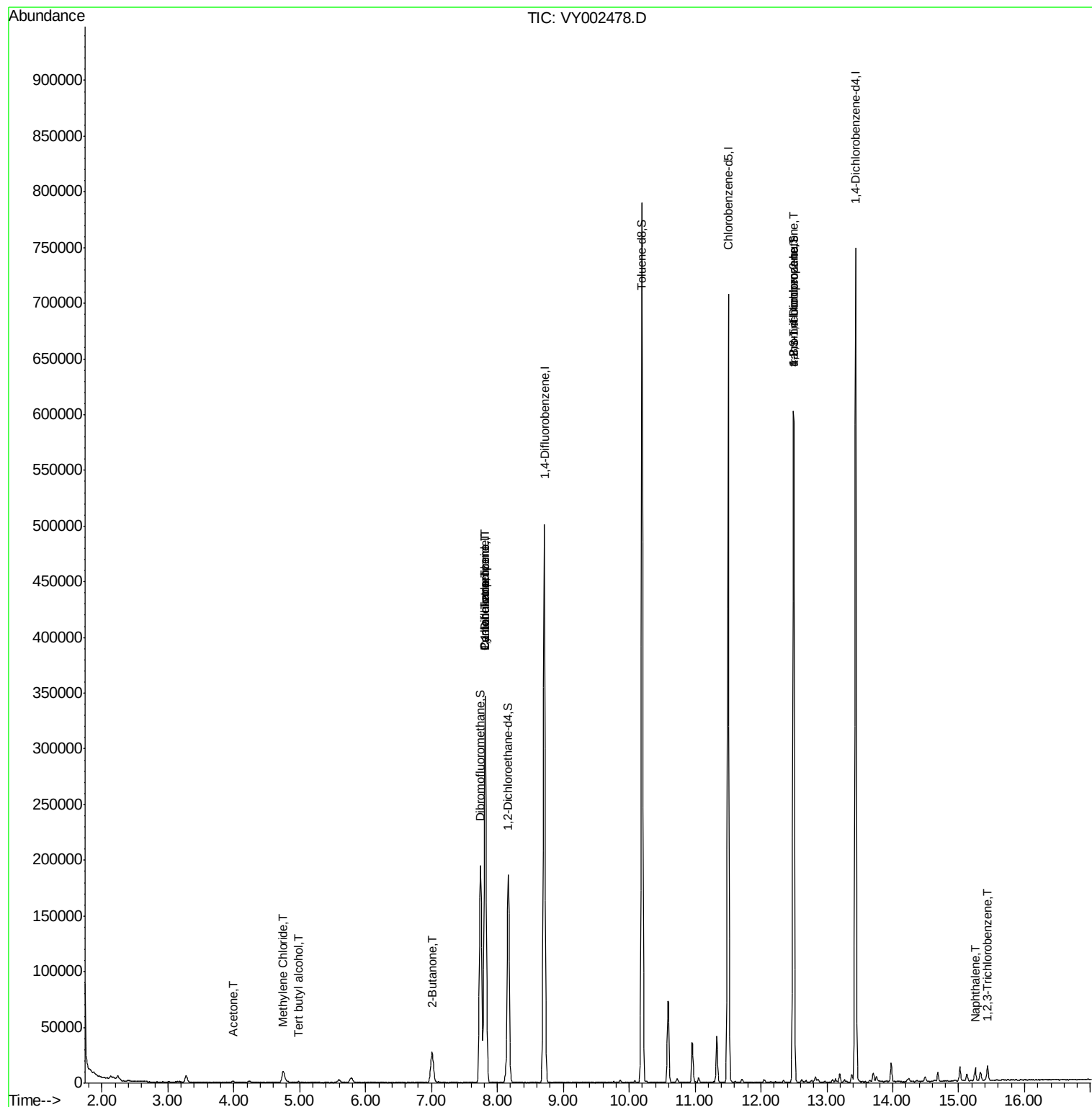
						Qvalue
11) Tert butyl alcohol	4.98	59	1108	4.597	ug/l #	72
16) Acetone	3.99	43	2362	4.414	ug/l	89
20) Methylene Chloride	4.75	84	7459	2.441	ug/l	94
25) 2-Butanone	7.02	43	1615	1.970	ug/l #	68
31) Cyclohexane	7.82	56	4866	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	18915	4.816	ug/l #	49
38) Carbon Tetrachloride	7.82	117	27198	6.022	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	84541	49.590	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	84541	91.766	ug/l #	15
95) Naphthalene	15.25	128	10904	1.387	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	4606	1.281	ug/l	99

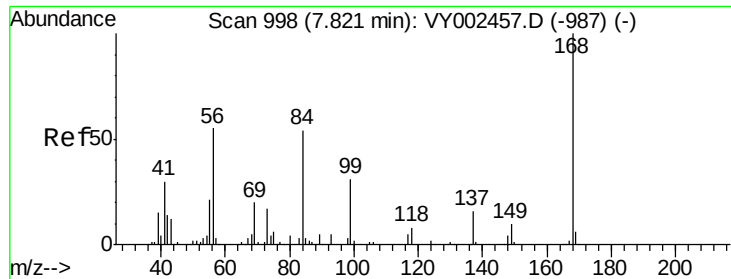
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 25 05:50:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

Instrument :

MSVOA_Y

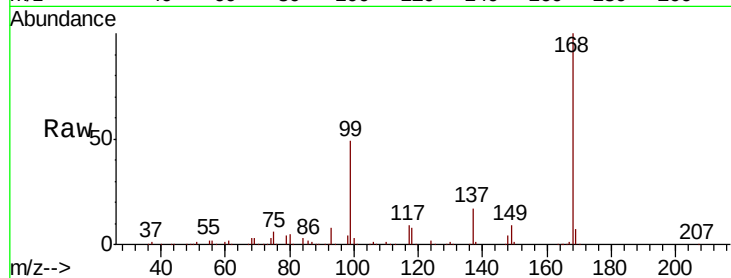
ClientSampleId :

Tot Ion:168 Resp: 292982

Ion Ratio Lower Upper

168 100

99 48.6 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) (-)

7.82

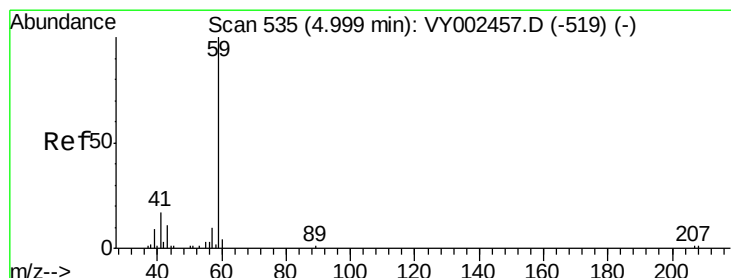
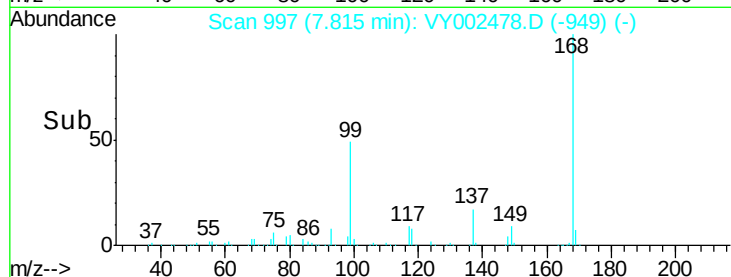
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.597 ug/l

RT: 4.98 min Scan# 532

Delta R.T. -0.02 min

Lab File: VY002478.D

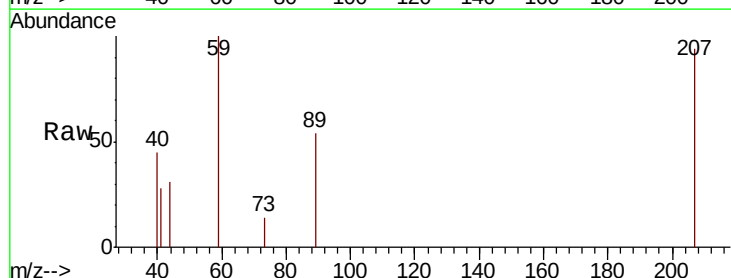
Acq: 24 Apr 2020 13:17

Tgt Ion: 59 Resp: 1108

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002457.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VY002457.D (-519) (-)

4.98

400

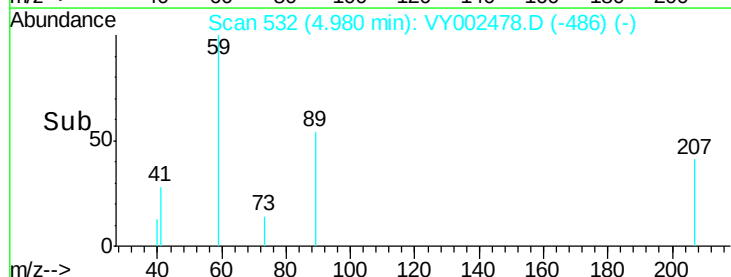
300

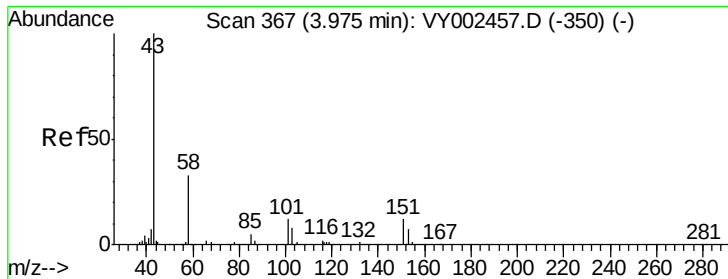
200

100

0

Time-->

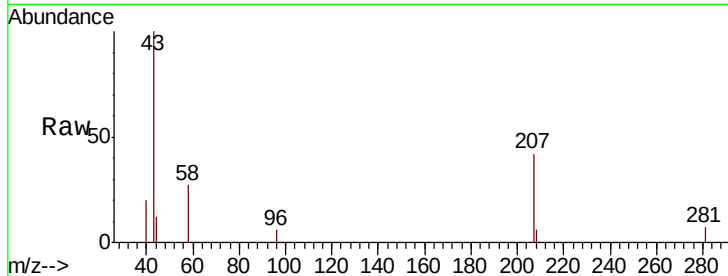




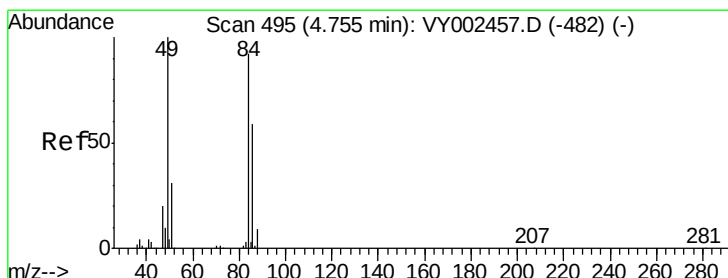
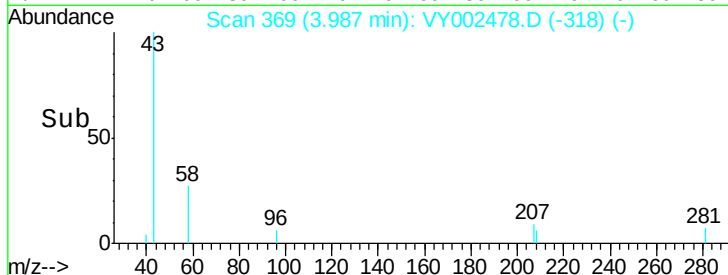
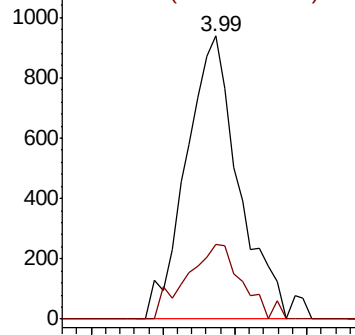
#16
Acetone
Concen: 4.414 ug/l
RT: 3.99 min Scan# 369
Delta R.T. 0.01 min
Lab File: VY002478.D
Acq: 24 Apr 2020 13:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 26.5 26.4 39.6

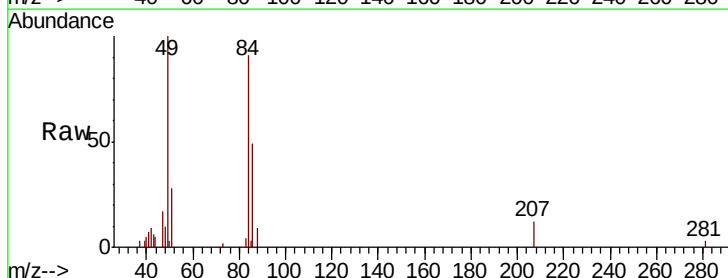


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

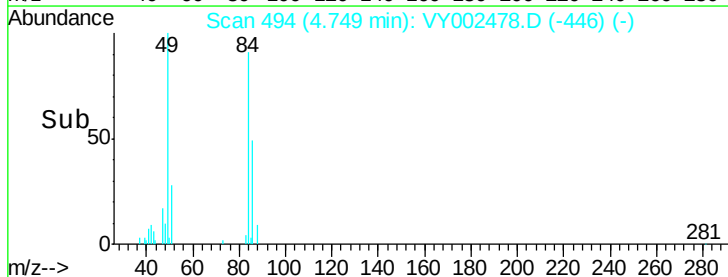
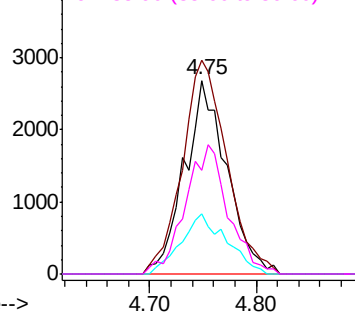


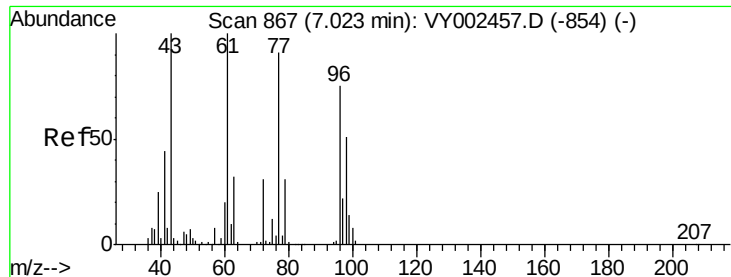
#20
Methylene Chloride
Concen: 2.441 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002478.D
Acq: 24 Apr 2020 13:17

Tgt Ion: 84 Resp: 7459
Ion Ratio Lower Upper
84 100
49 110.5 86.9 130.3
51 31.4 27.3 40.9
86 53.9 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





#25

2-Butanone

Concen: 1.970 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

Instrument :

MSVOA_Y

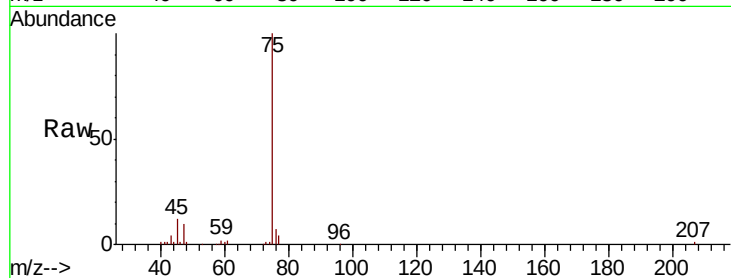
ClientSampleId :

Tot Ion: 43 Resp: 1615

Ion Ratio Lower Upper

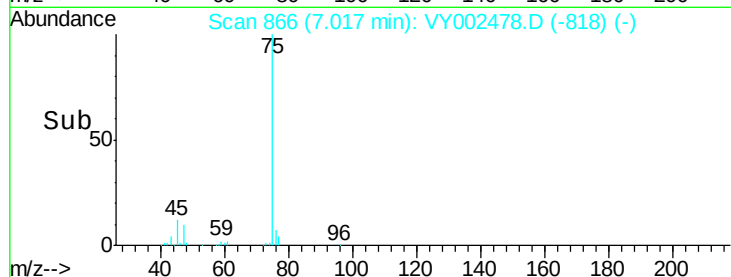
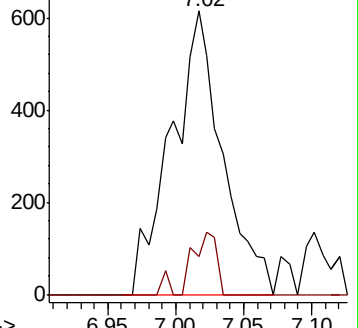
43 100

72 13.5 24.8 37.2#

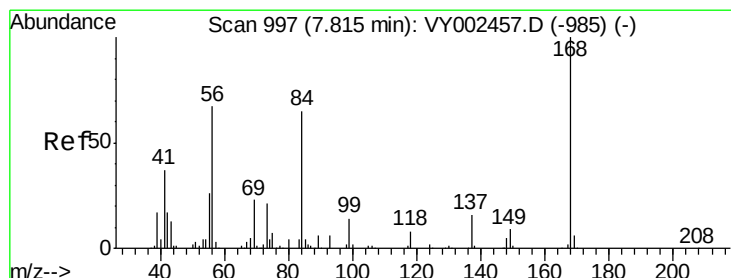


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

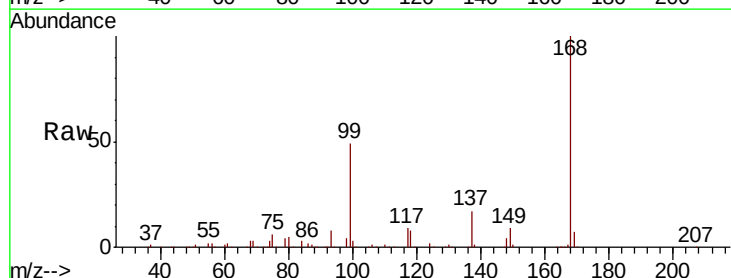
Tgt Ion: 56 Resp: 4866

Ion Ratio Lower Upper

56 100

69 156.1 27.0 40.6#

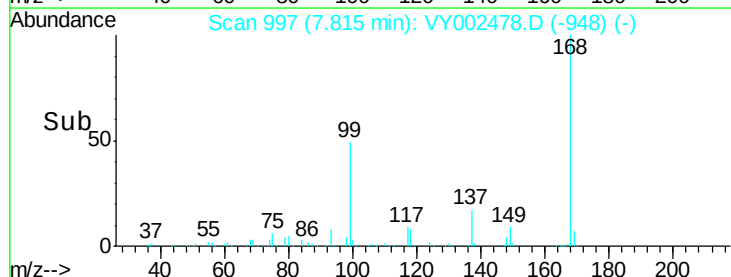
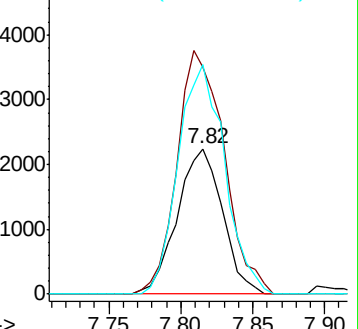
84 157.3 77.4 116.2#



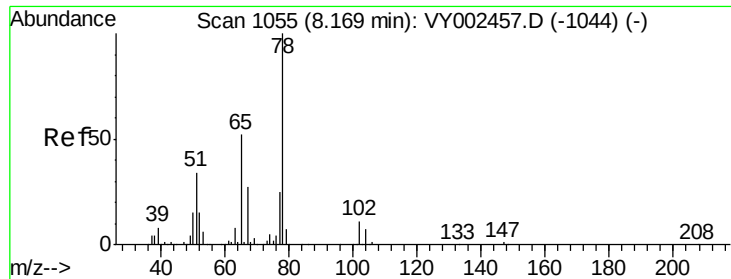
Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



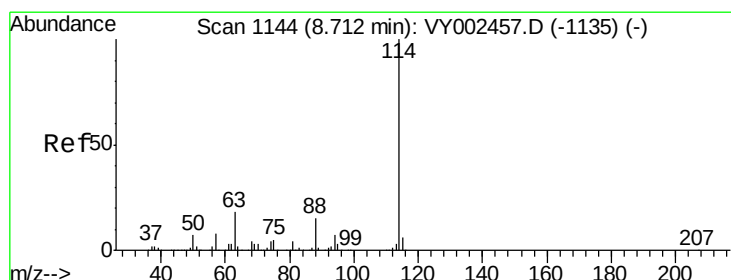
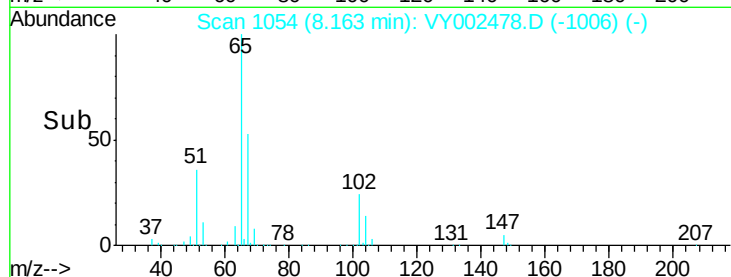
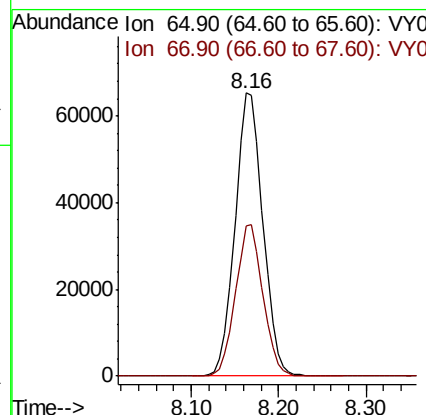
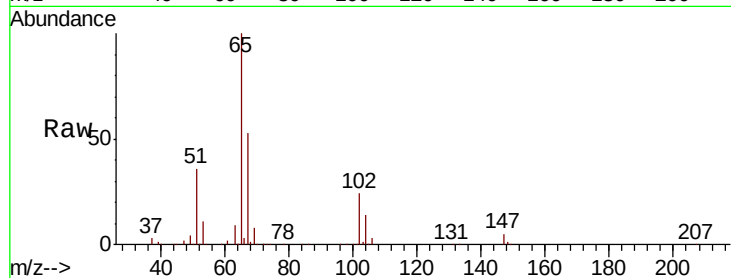
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 56.361 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002478.D
 Acq: 24 Apr 2020 13:17

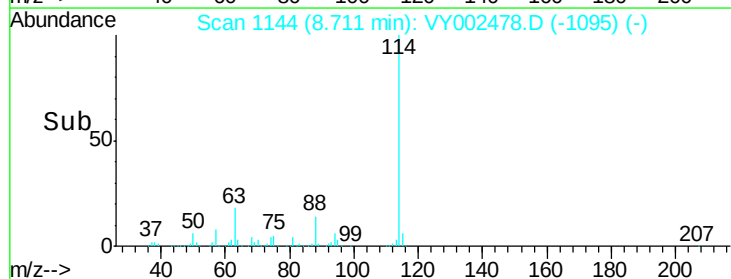
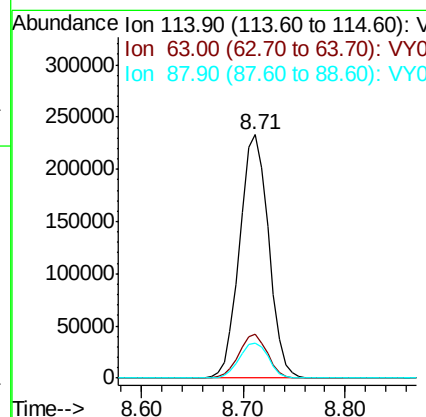
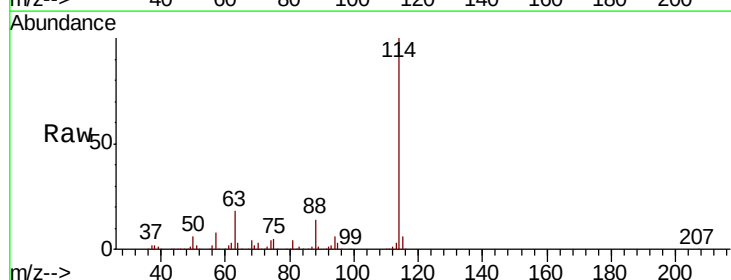
Instrument :
 MSVOA_Y
 ClientSampleId :

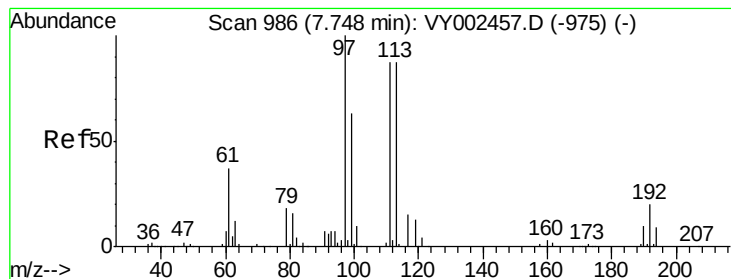
Tot Ion: 65 Resp: 144328
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY002478.D
 Acq: 24 Apr 2020 13:17

Tgt Ion: 114 Resp: 458075
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.896 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

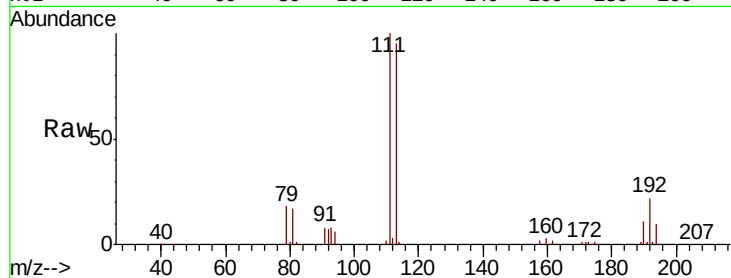
Tot Ion:113 Resp: 136671

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

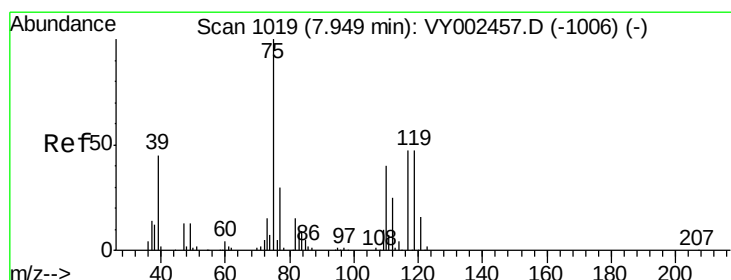
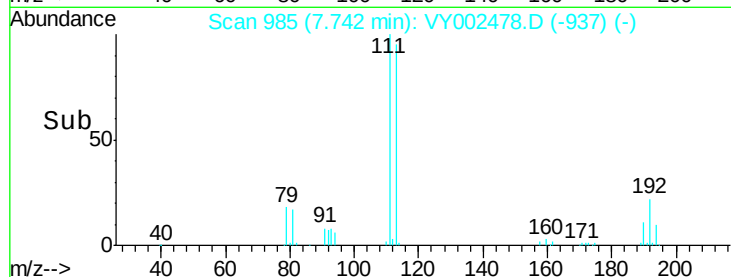
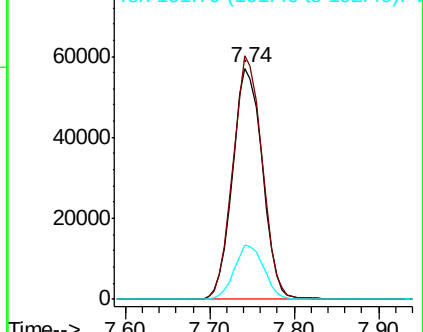
192 23.1 18.6 27.8



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: 4.816 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

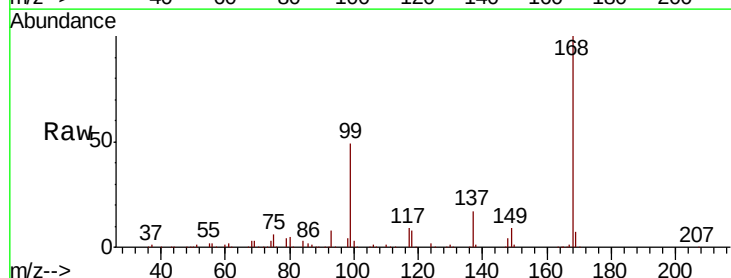
Tgt Ion: 75 Resp: 18915

Ion Ratio Lower Upper

75 100

110 10.0 19.4 58.4#

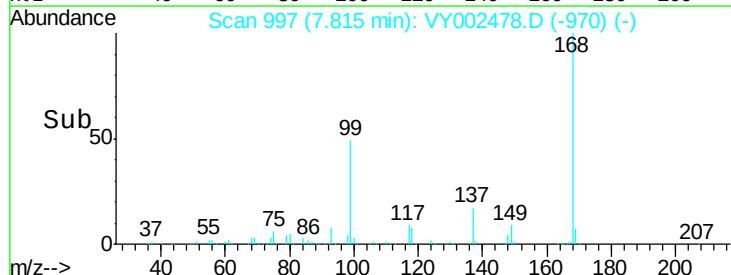
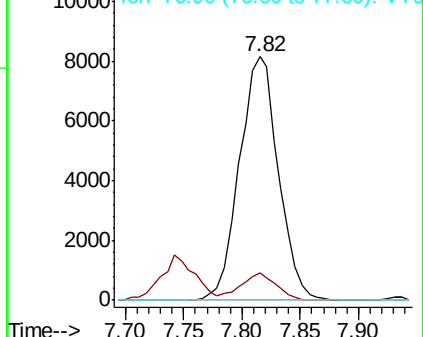
77 0.0 24.7 37.1#

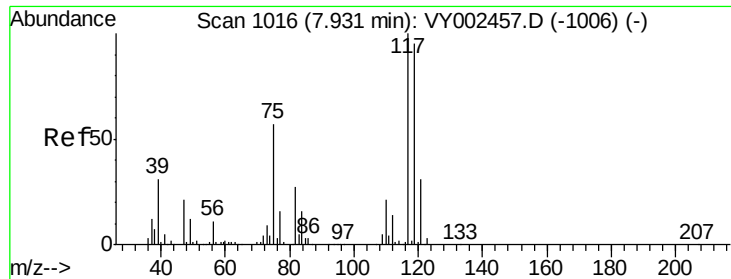


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

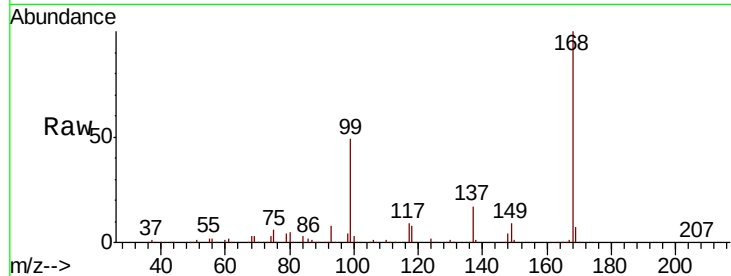




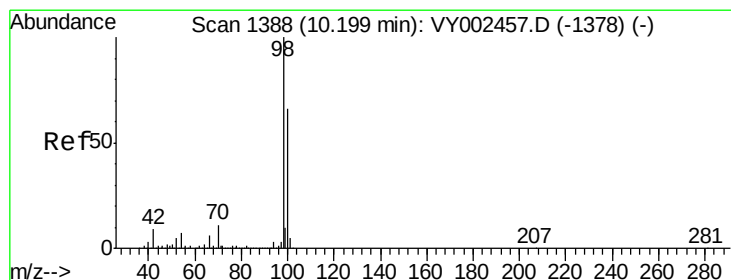
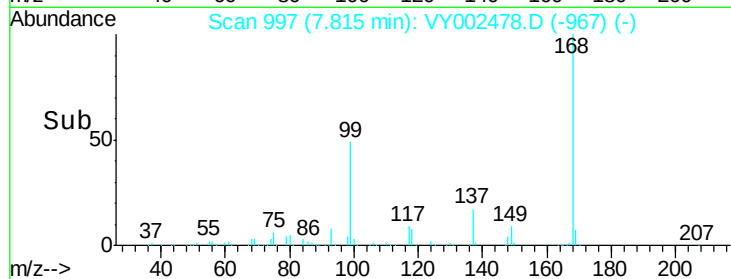
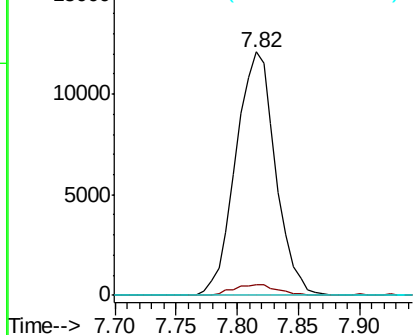
#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.12 min
Lab File: VY002478.D
Acq: 24 Apr 2020 13:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 27198
Ion Ratio Lower Upper
117 100
119 4.5 75.9 113.9#
121 0.0 24.5 36.7#

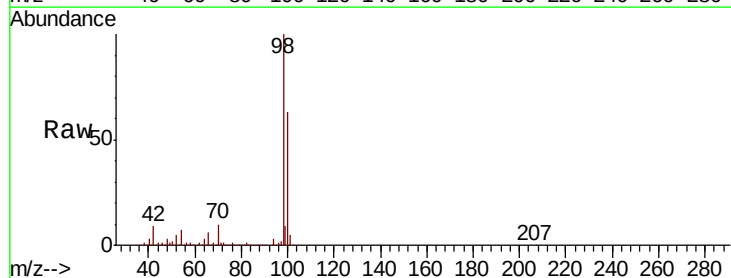


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

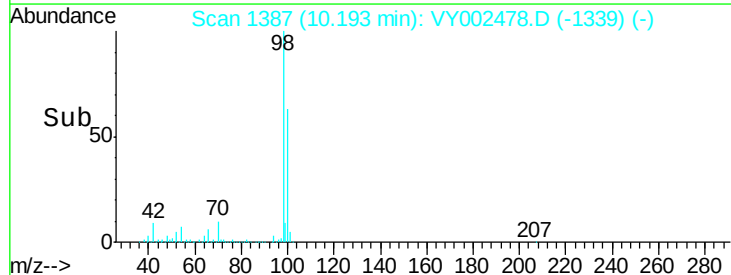
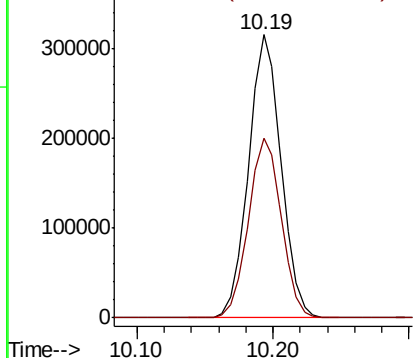


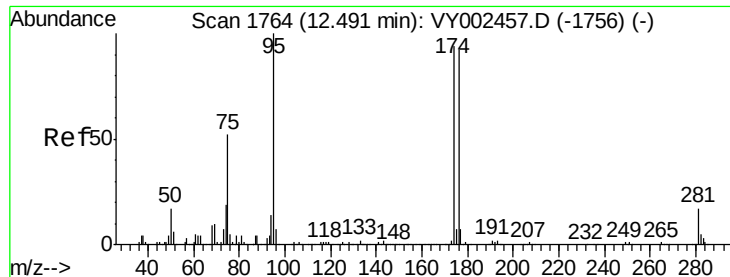
#50
Toluene-d8
Concen: 50.876 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002478.D
Acq: 24 Apr 2020 13:17

Tgt Ion: 98 Resp: 528343
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



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

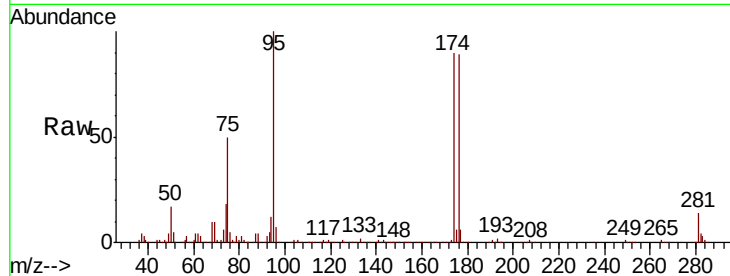




#62
4-Bromofluorobenzene
Concen: 48.604 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002478.D
Acq: 24 Apr 2020 13:17

Instrument :
MSVOA_Y
ClientSampled :

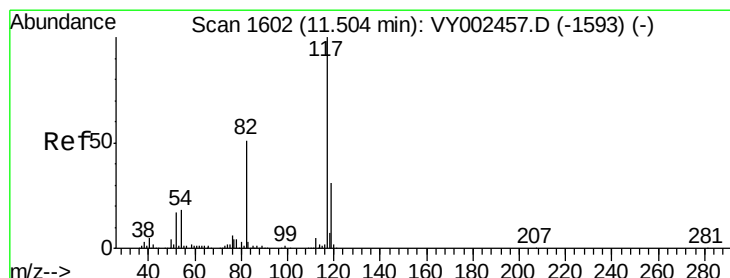
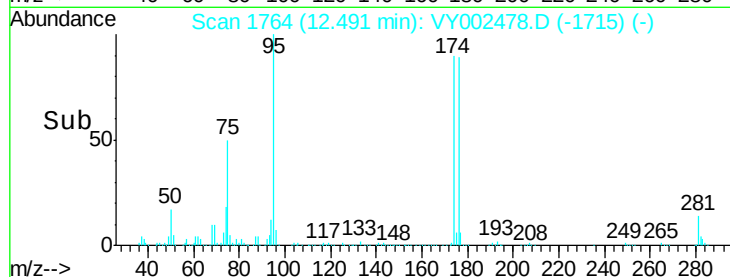
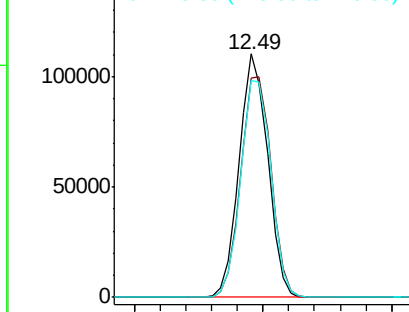
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	193.0
176	93.9	0.0	190.4



Abundance Ion 94.90 (94.60 to 95.60): VY002457.D (-1756) (-)

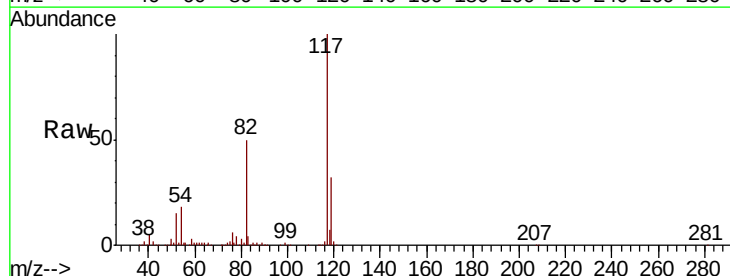
Ion 173.80 (173.50 to 174.50): VY002457.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY002457.D (-1756) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002478.D
Acq: 24 Apr 2020 13:17

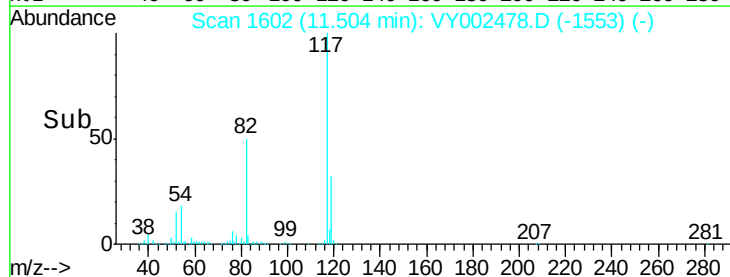
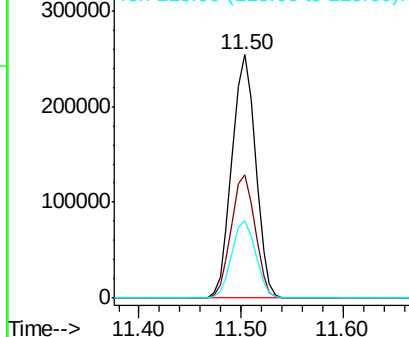
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.8	61.2
119	31.6	25.2	37.8

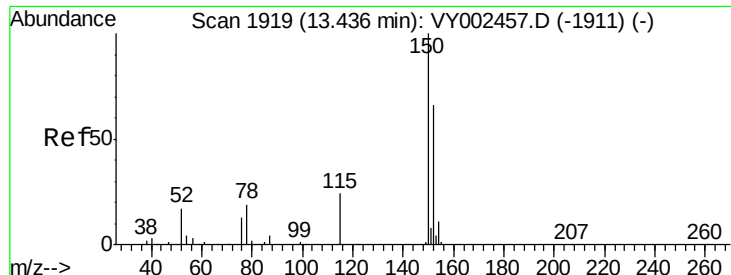


Abundance Ion 116.90 (116.60 to 117.60): VY002457.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY002457.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002457.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

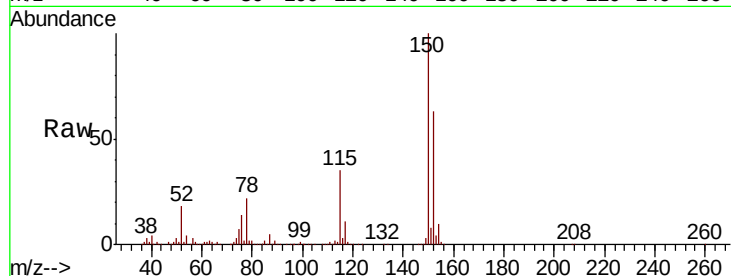
Tot Ion:152 Resp: 201142

Ion Ratio Lower Upper

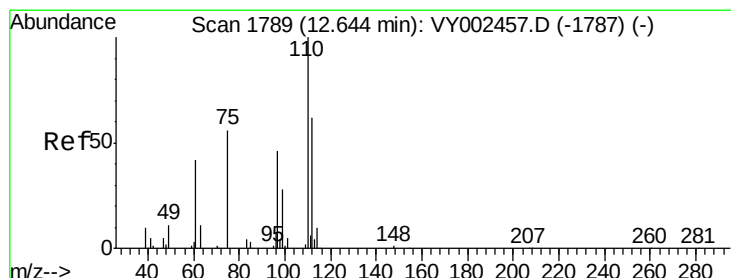
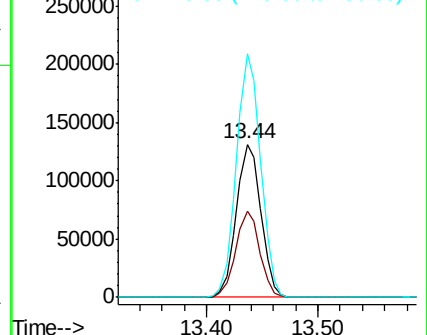
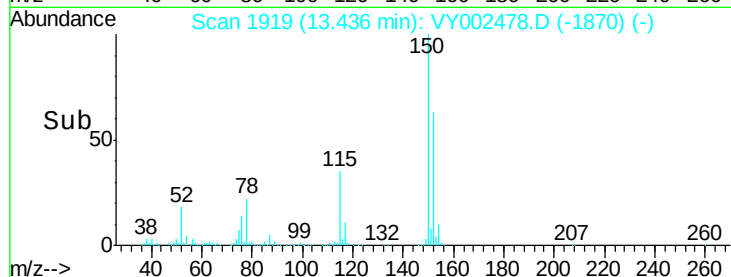
152 100

115 54.8 27.3 81.8

150 156.9 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: 49.590 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002478.D

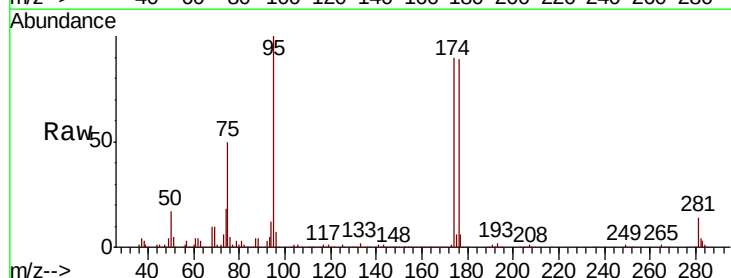
Acq: 24 Apr 2020 13:17

Tgt Ion: 75 Resp: 84541

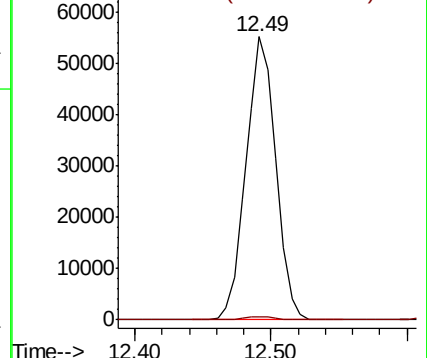
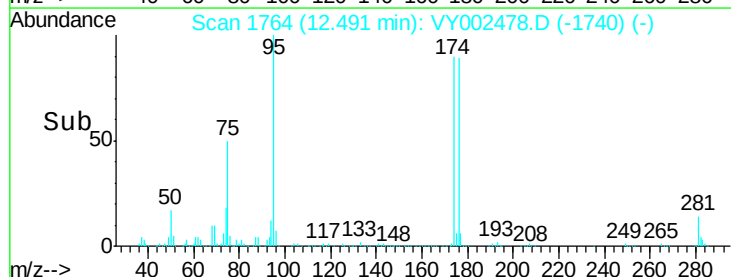
Ion Ratio Lower Upper

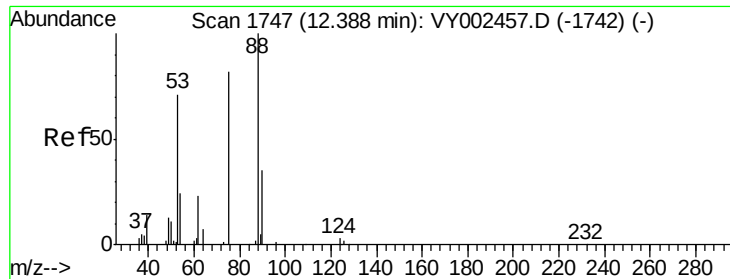
75 100

77 1.2 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: 91.766 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

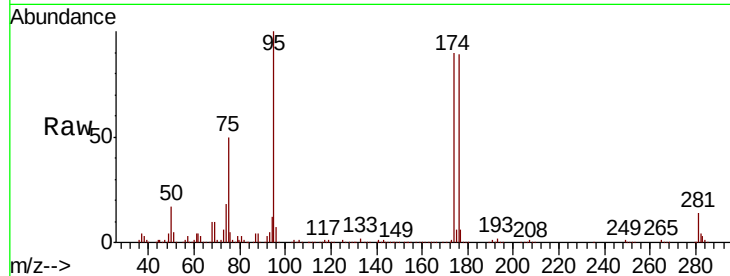
Tot Ion: 75 Resp: 84541

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

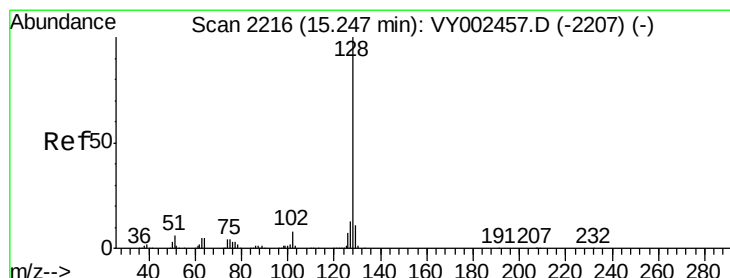
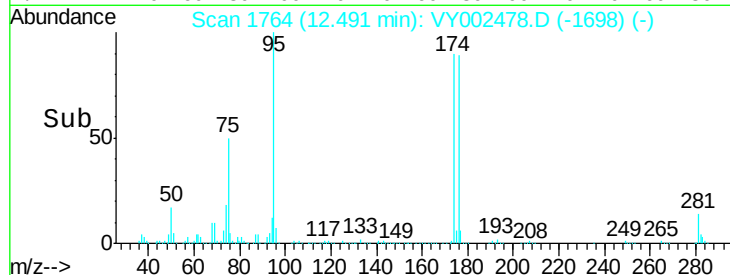
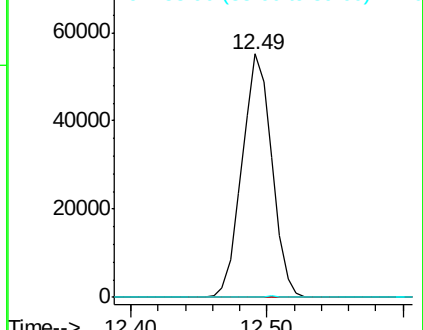
89 0.2 34.9 52.3#



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



#95

Naphthalene

Concen: 1.387 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY002478.D

Acq: 24 Apr 2020 13:17

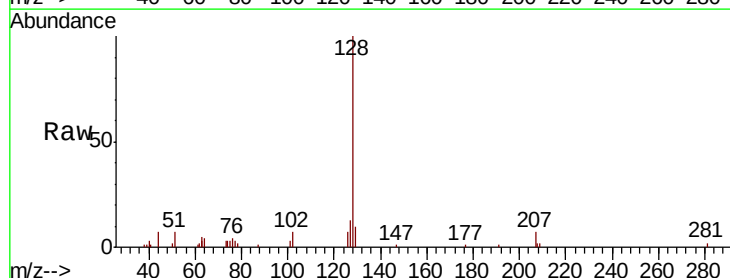
Tgt Ion: 128 Resp: 10904

Ion Ratio Lower Upper

128 100

127 12.1 10.5 15.7

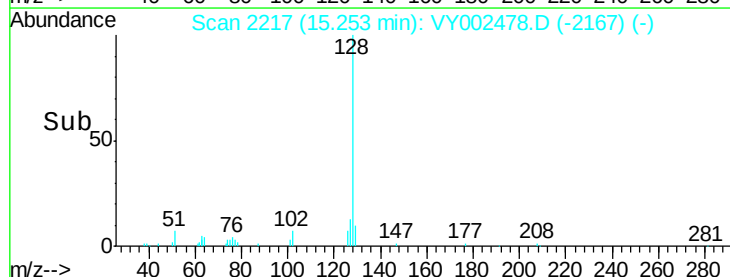
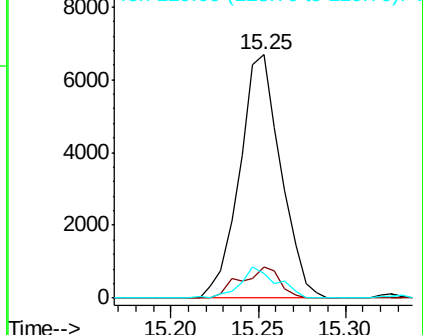
129 11.5 8.8 13.2

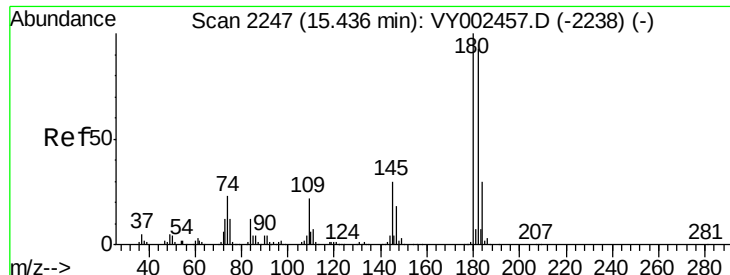


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

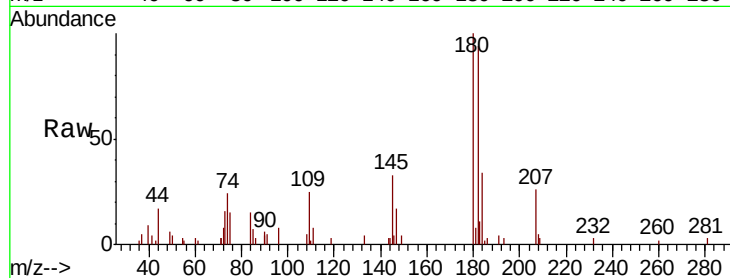




#96
 1,2,3-Trichlorobenzene
 Concen: 1.281 ug/l
 RT: 15.44 min Scan# 2247
 Delta R.T. -0.00 min
 Lab File: VY002478.D
 Acq: 24 Apr 2020 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	32.9	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

