

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001528.D
 Acq On : 06 Feb 2020 14:20
 Operator : SY/MD
 Sample : L1360-01RE
 Misc : 10.33G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:06:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

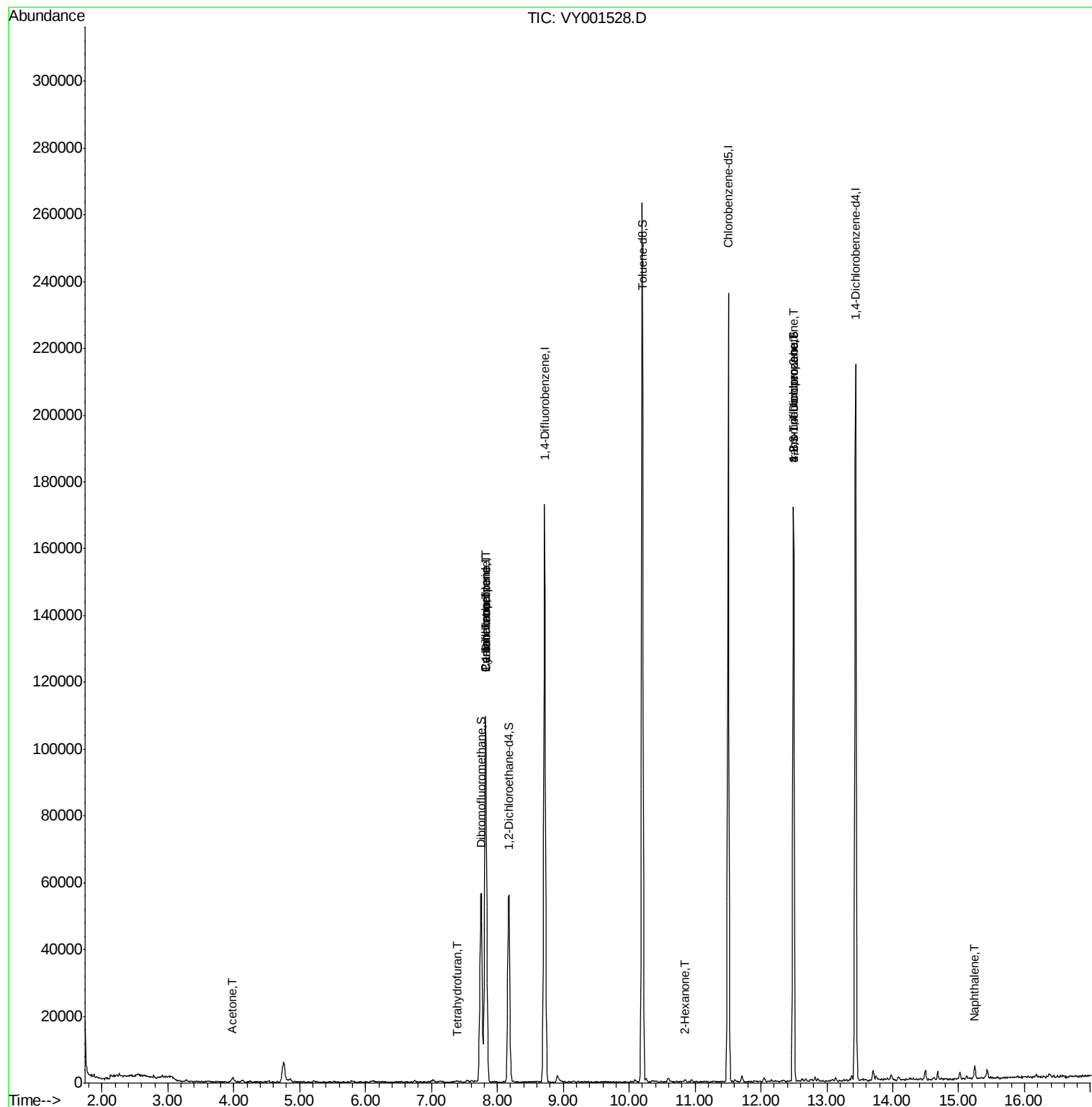
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	83518	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	144474	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	120942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	53102	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	43737	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.75	113	40889	49.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.20	98	169519	53.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.49	95	56360	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.00	59	84	Below Cal	#	76
16) Acetone	3.98	43	2333	9.591	ug/l #	76
20) Methylene Chloride	4.75	84	4465	Below Cal	#	84
29) Tetrahydrofuran	7.39	42	297	1.570	ug/l #	43
31) Cyclohexane	7.82	56	1948	1.190	ug/l #	16
36) 1,1-Dichloropropene	7.82	75	6426	4.862	ug/l #	50
38) Carbon Tetrachloride	7.82	117	8363	6.540	ug/l #	15
59) 2-Hexanone	10.85	43	594	1.310	ug/l	72
76) 1,2,3-Trichloropropane	12.49	75	27318	47.837	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	27318	92.563	ug/l #	16
95) Naphthalene	15.25	128	3330	1.381	ug/l #	95

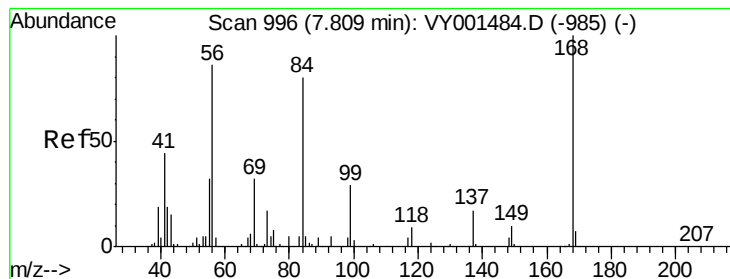
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

Instrument :

MSVOA_Y

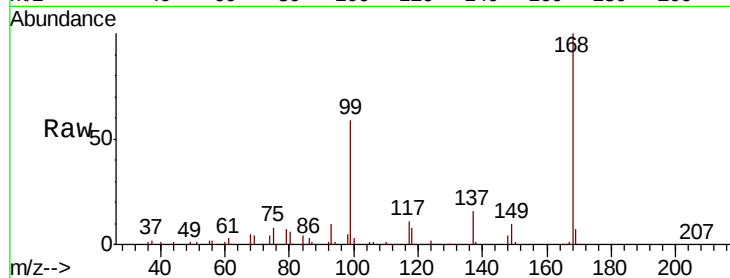
ClientSampleId :

Tot Ion:168 Resp: 83518

Ion Ratio Lower Upper

168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001528.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001528.D (-947) (-)

7.82

40000

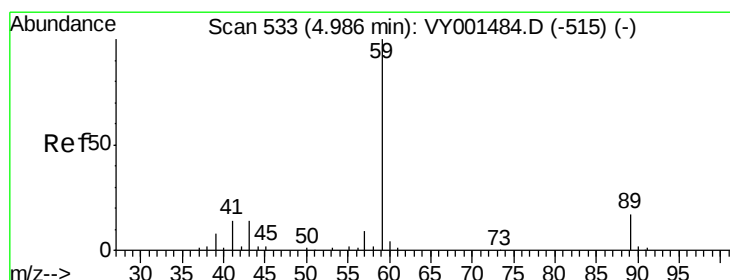
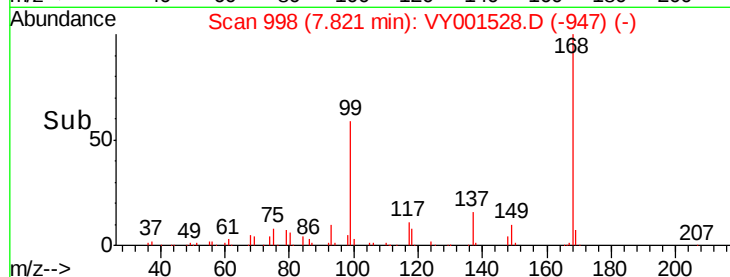
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001528.D

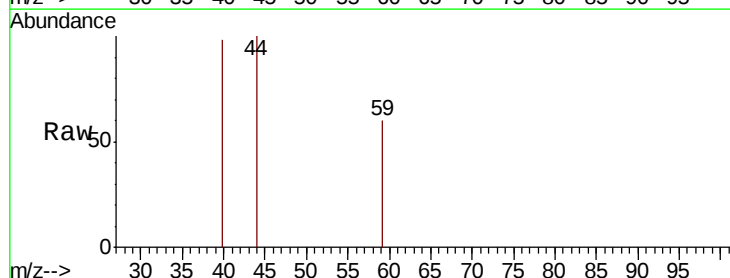
Acq: 06 Feb 2020 14:20

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001528.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001528.D (-484) (-)

5.00

100

80

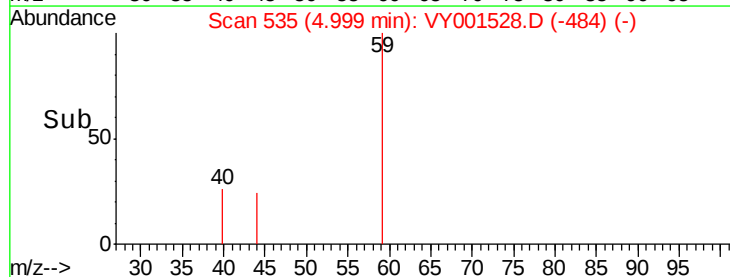
60

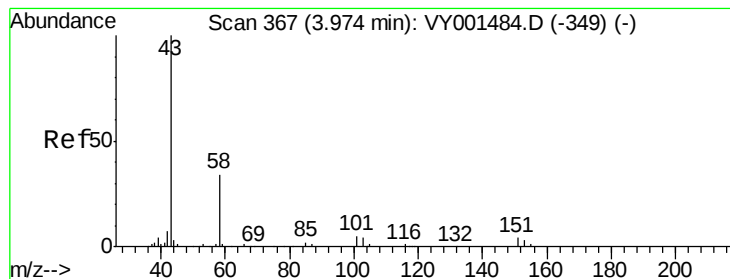
40

20

0

Time-->





#16

Acetone

Concen: 9.591 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

Instrument :

MSVOA_Y

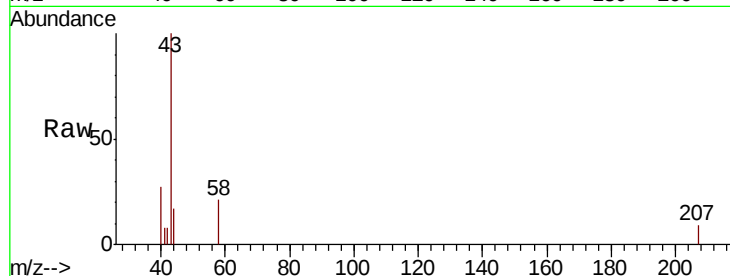
ClientSampleId :

Tot Ion: 43 Resp: 2333

Ion Ratio Lower Upper

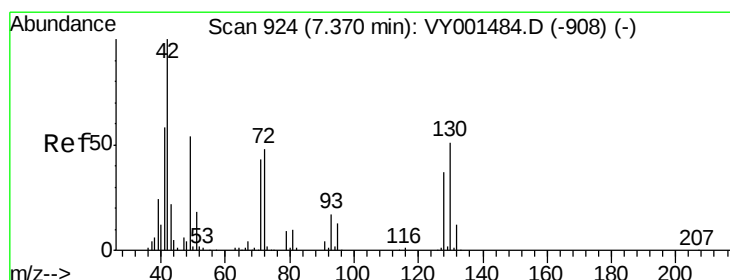
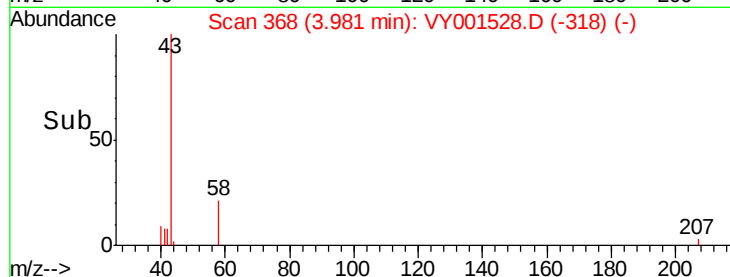
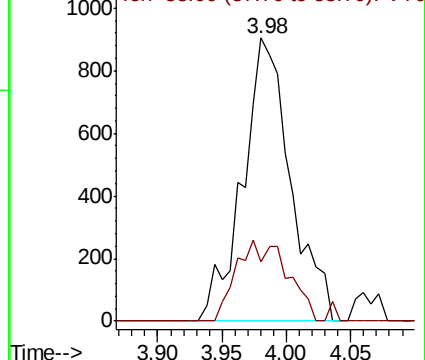
43 100

58 20.8 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY001528.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VY001528.D (-368) (-)



#29

Tetrahydrofuran

Concen: 1.570 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.02 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

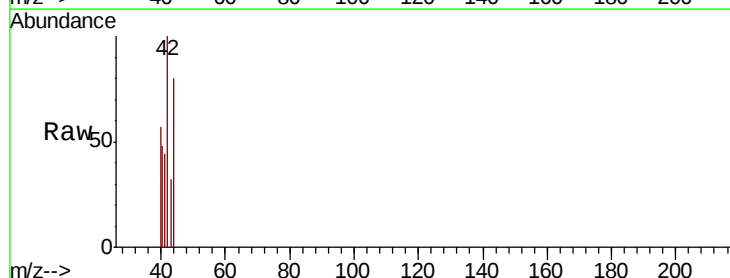
Tgt Ion: 42 Resp: 297

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

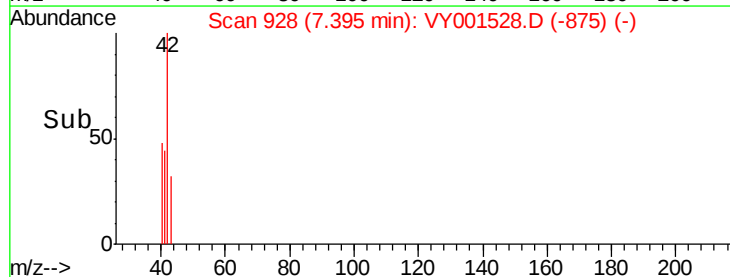
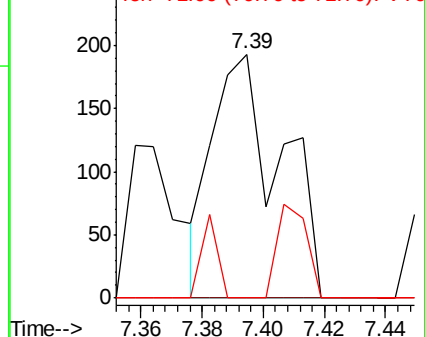
71 16.8 34.8 52.2#

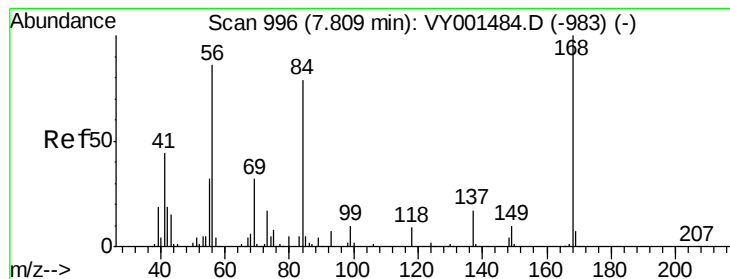


Abundance Ion 42.00 (41.70 to 42.70): VY001528.D (-928) (-)

Ion 72.00 (71.70 to 72.70): VY001528.D (-928) (-)

Ion 71.00 (70.70 to 71.70): VY001528.D (-928) (-)





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :

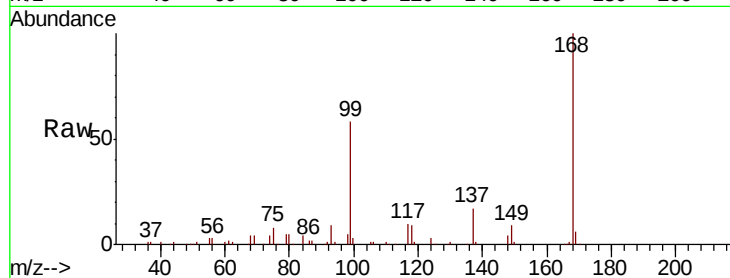
Tot Ion: 56 Resp: 1948

Ion Ratio Lower Upper

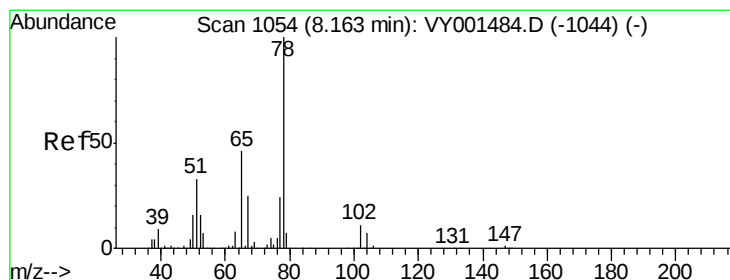
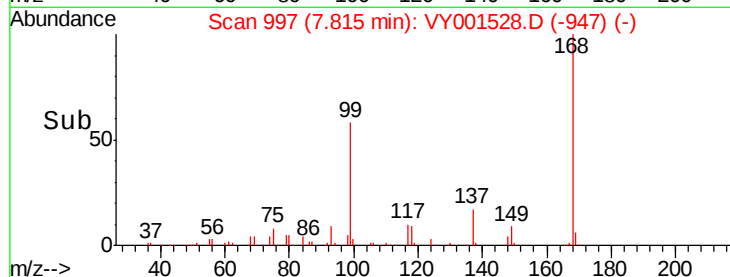
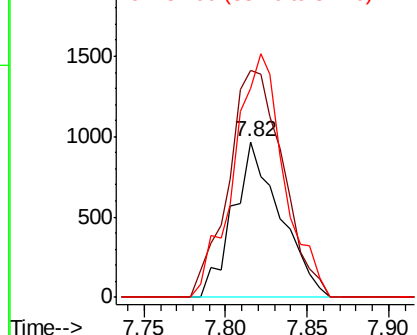
56 100

69 146.0 29.6 44.4#

84 133.8 73.6 110.4#



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: 52.012 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001528.D

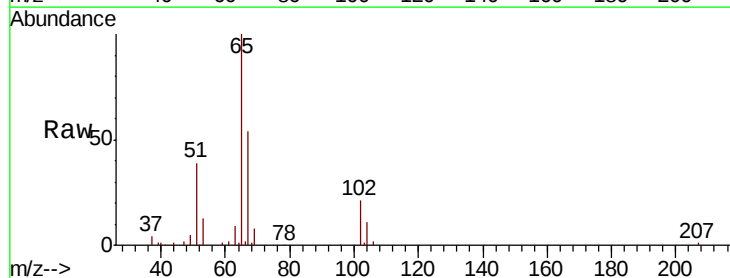
Acq: 06 Feb 2020 14:20

Tgt Ion: 65 Resp: 43737

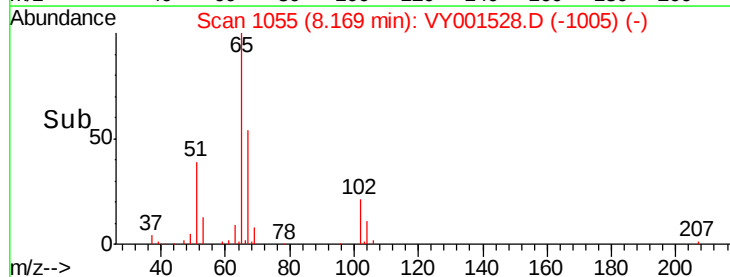
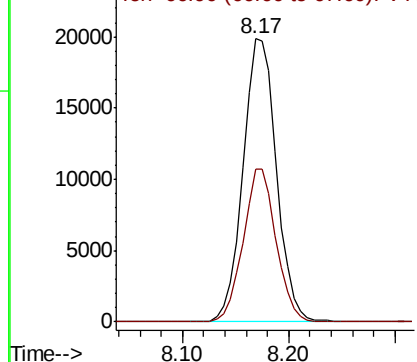
Ion Ratio Lower Upper

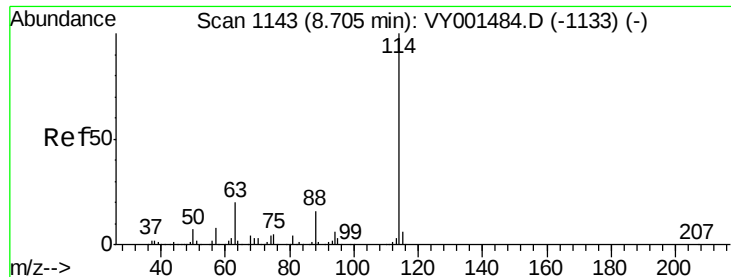
65 100

67 53.0 0.0 108.6



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

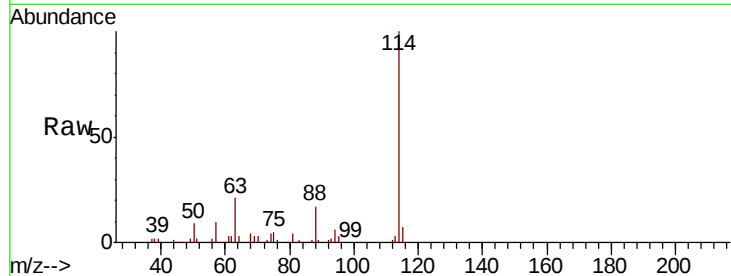




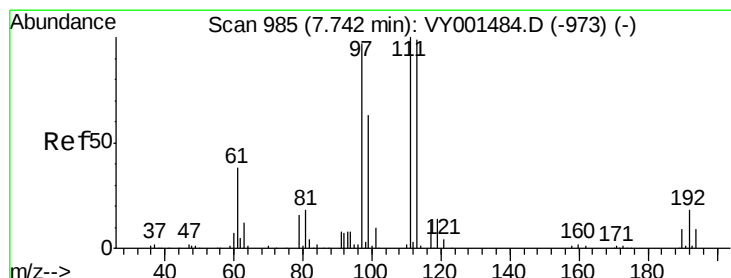
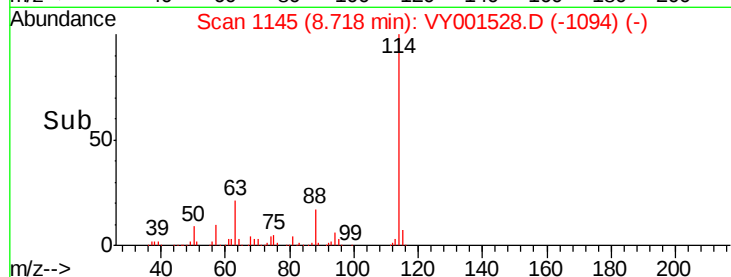
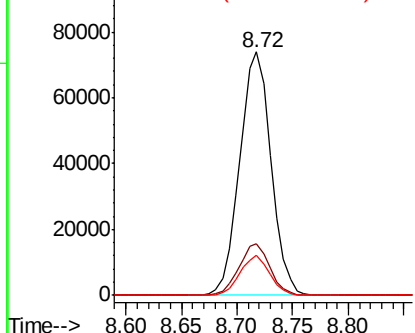
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001528.D
 Acq: 06 Feb 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	39.8
88	16.6	0.0	32.6

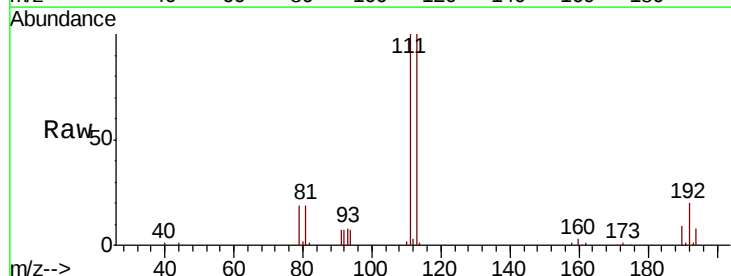


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

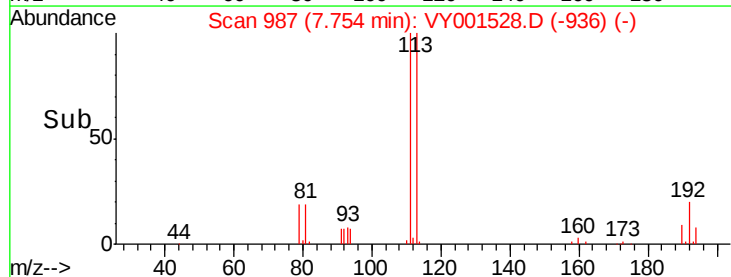
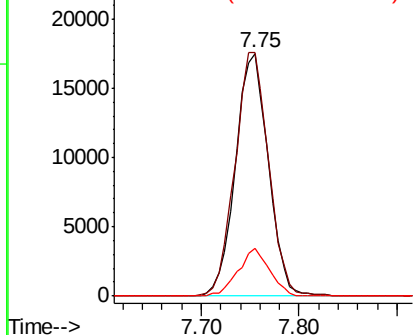


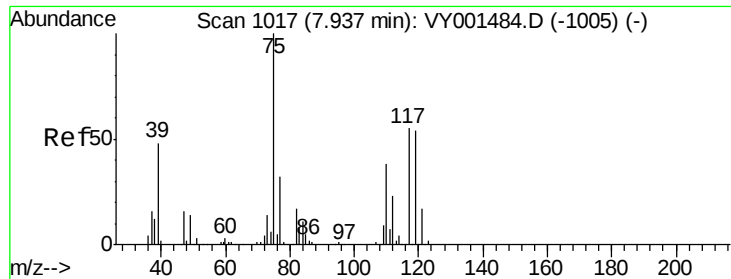
#35
 Dibromofluoromethane
 Concen: 49.080 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001528.D
 Acq: 06 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	18.8	14.6	22.0



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

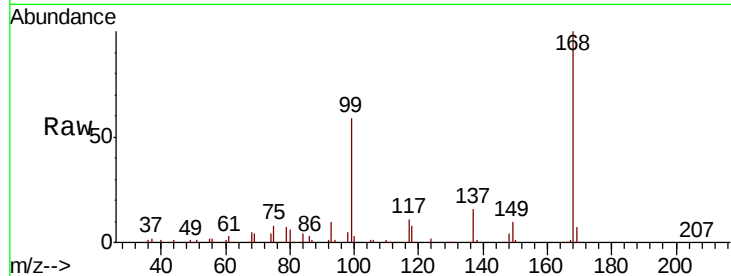




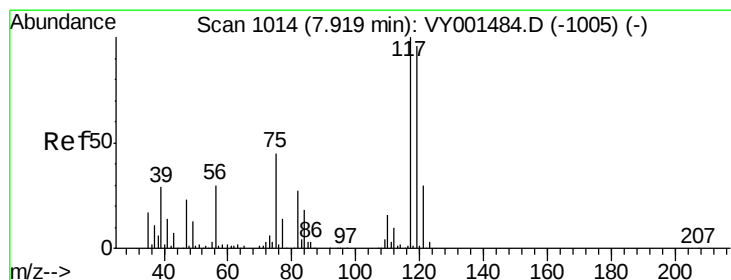
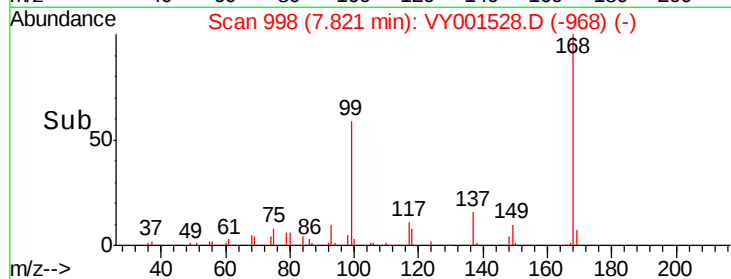
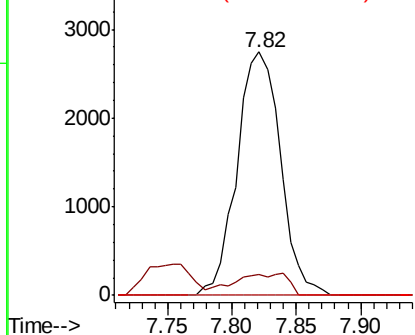
#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001528.D
 Acq: 06 Feb 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.2	54.6#
77	0.0	25.0	37.4#

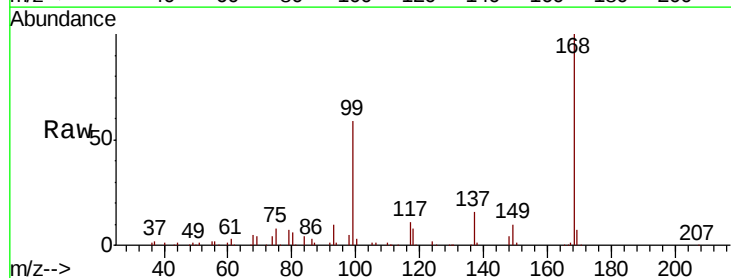


Abundance Ion 74.90 (74.60 to 75.60): VY001528.D (-968) (-)
 Ion 109.90 (109.60 to 110.60): VY001528.D (-968) (-)
 Ion 76.90 (76.60 to 77.60): VY001528.D (-968) (-)

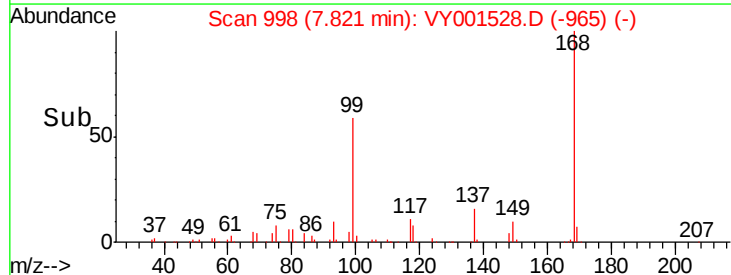
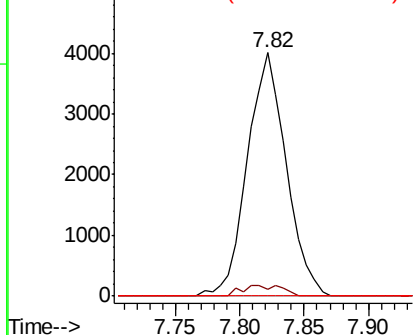


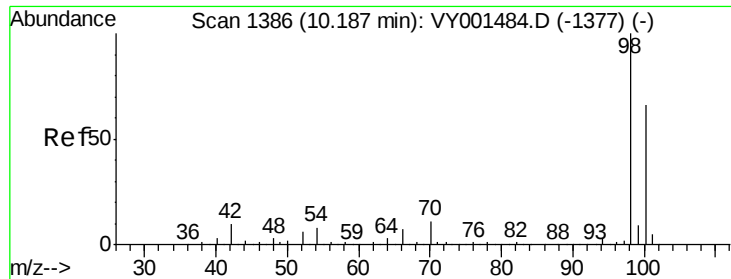
#38
 Carbon Tetrachloride
 Concen: 6.540 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001528.D
 Acq: 06 Feb 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.0	76.4	114.6#
121	0.0	24.2	36.4#



Abundance Ion 116.80 (116.50 to 117.50): VY001528.D (-965) (-)
 Ion 118.80 (118.50 to 119.50): VY001528.D (-965) (-)
 Ion 120.80 (120.50 to 121.50): VY001528.D (-965) (-)





#50

Toluene-d8

Concen: 53.781 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

Instrument :

MSVOA_Y

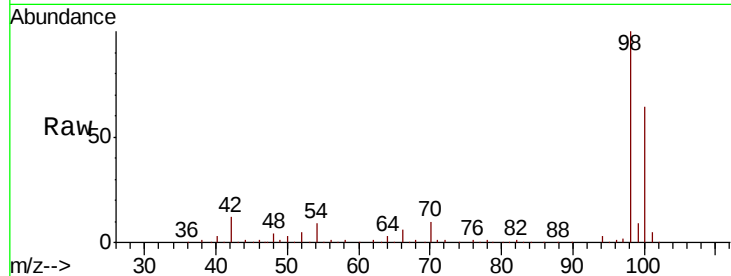
ClientSampleId :

Tot Ion: 98 Resp: 169519

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001528.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001528.D (-1377) (-)

120000

100000

80000

60000

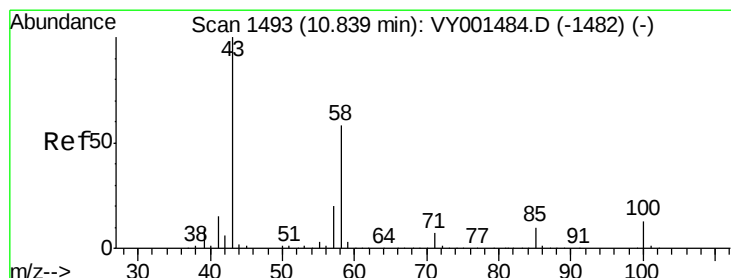
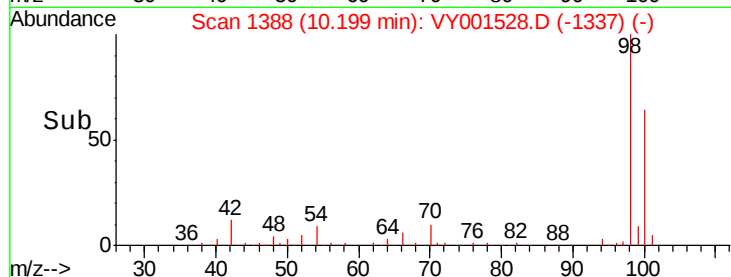
40000

20000

0

10.10 10.20 10.30

Time-->



#59

2-Hexanone

Concen: 1.310 ug/l

RT: 10.85 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VY001528.D

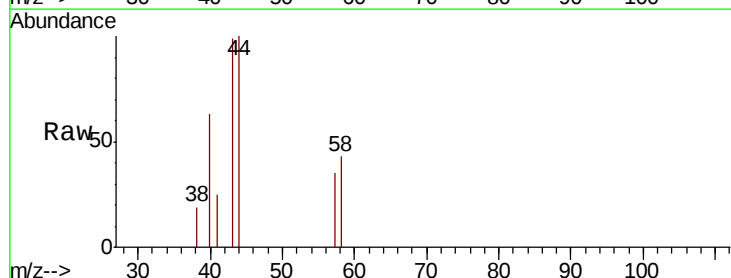
Acq: 06 Feb 2020 14:20

Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

58 37.4 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VY001528.D (-1444) (-)

Ion 58.00 (57.70 to 58.70): VY001528.D (-1444) (-)

300

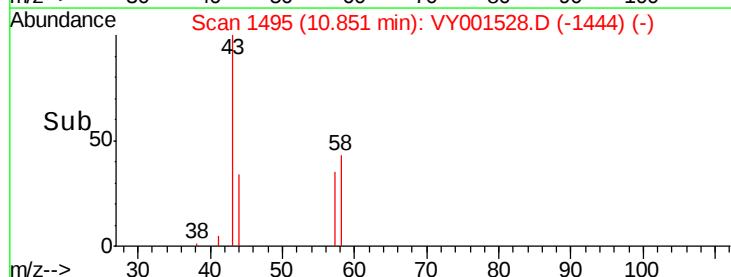
200

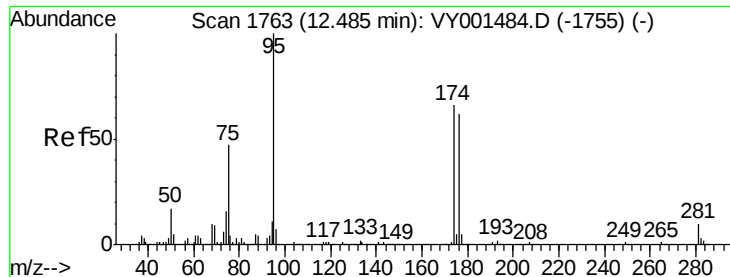
100

0

10.80 10.85 10.90

Time-->

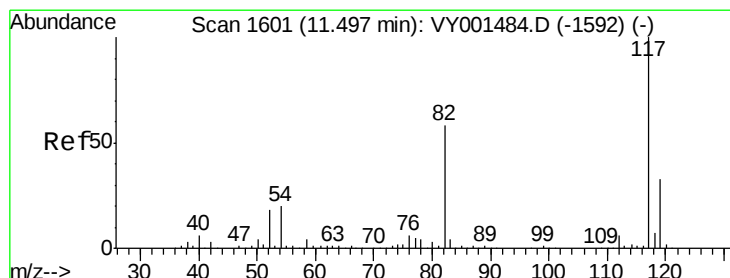
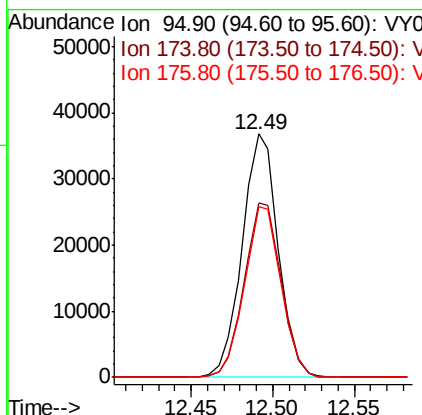
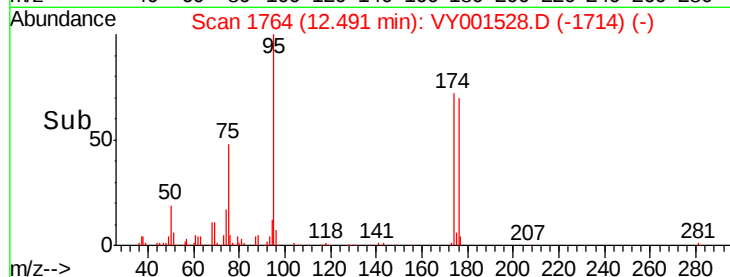
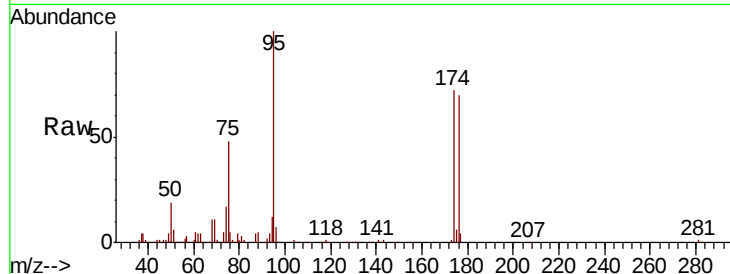




#62
4-Bromofluorobenzene
Concen: 45.389 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001528.D
Acq: 06 Feb 2020 14:20

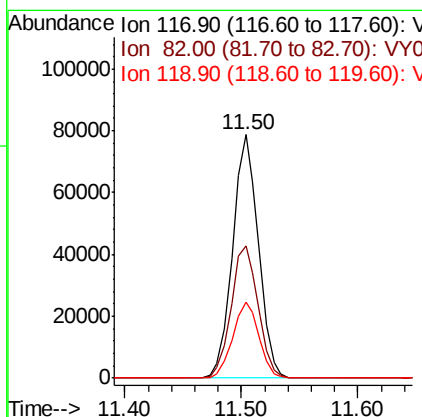
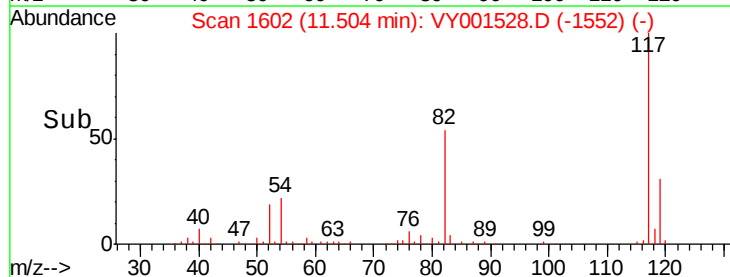
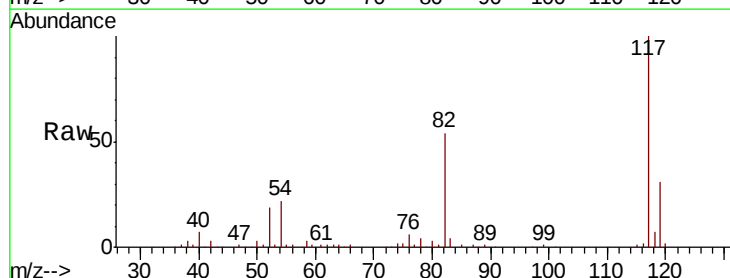
Instrument :
MSVOA_Y
ClientSampled :

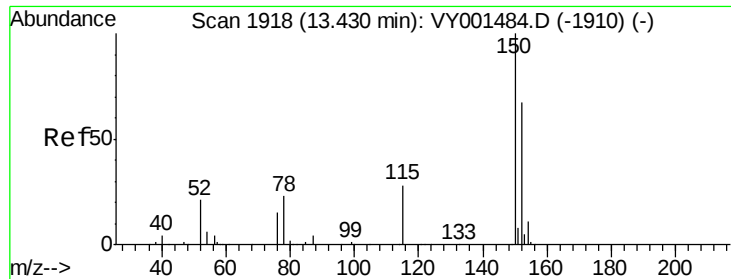
Tot Ion: 95 Resp: 56360
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.4
176 71.6 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001528.D
Acq: 06 Feb 2020 14:20

Tgt Ion: 117 Resp: 120942
Ion Ratio Lower Upper
117 100
82 54.5 46.1 69.1
119 31.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

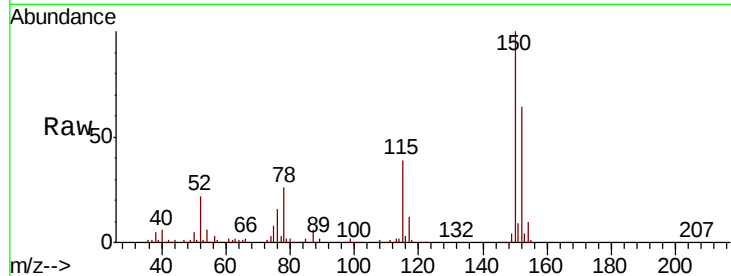
Tot Ion:152 Resp: 53102

Ion Ratio Lower Upper

152 100

115 60.0 31.4 94.3

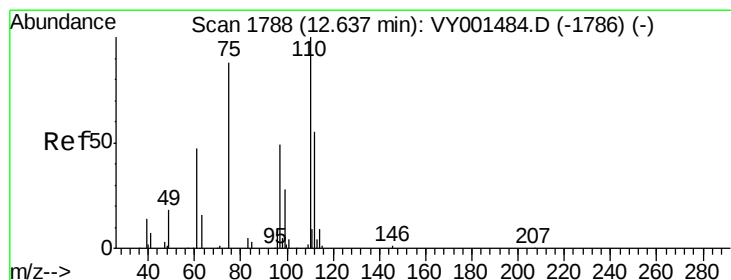
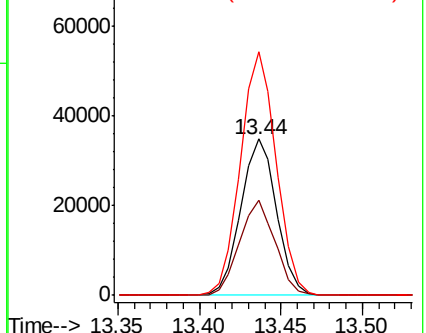
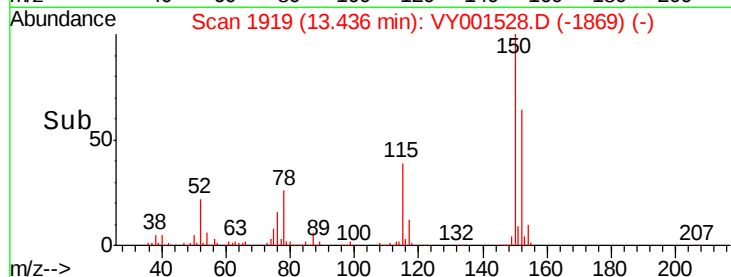
150 155.5 0.0 346.8



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: 47.837 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001528.D

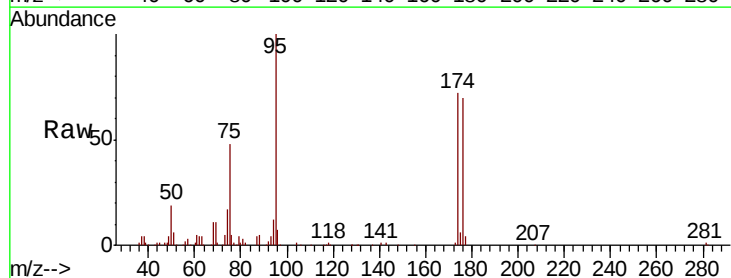
Acq: 06 Feb 2020 14:20

Tgt Ion: 75 Resp: 27318

Ion Ratio Lower Upper

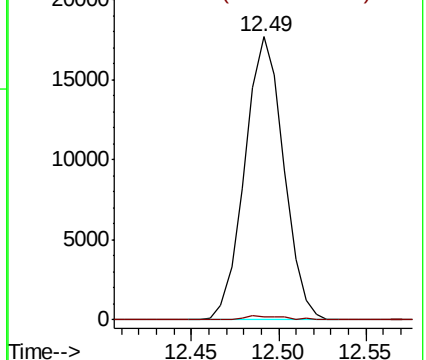
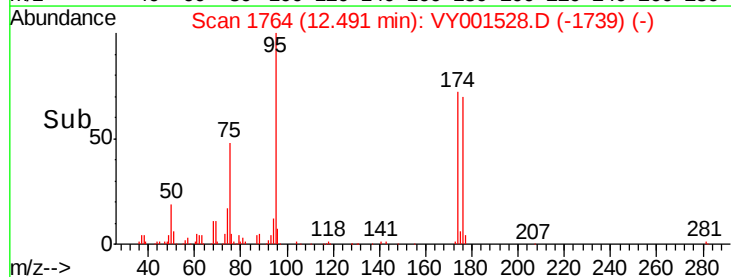
75 100

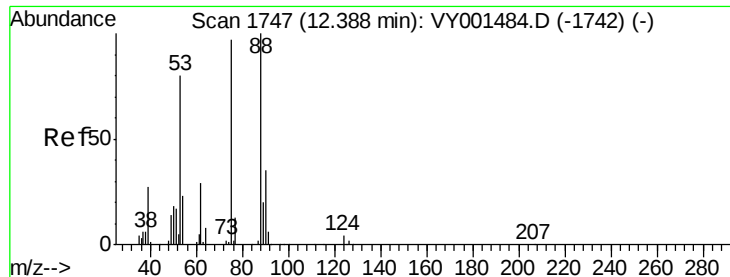
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.563 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

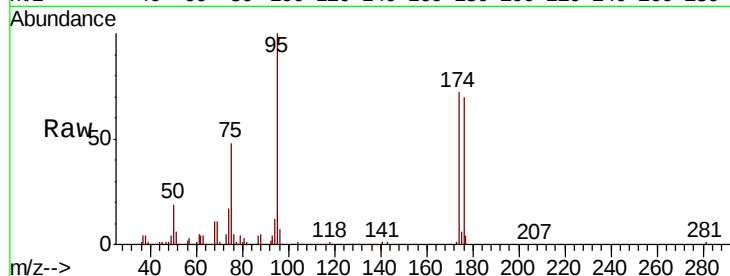
Tot Ion: 75 Resp: 27318

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

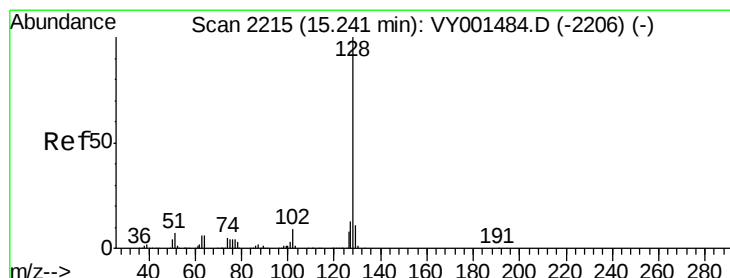
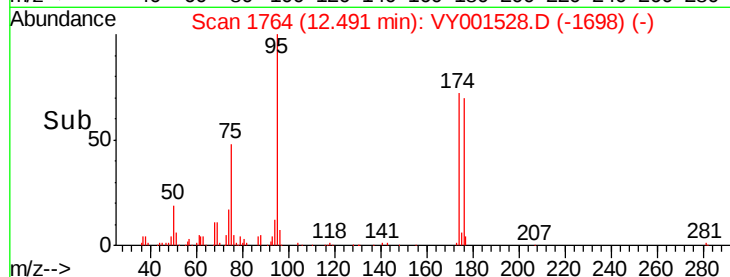
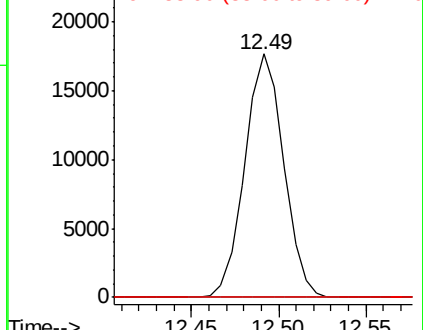
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001528.D (-1698) (-)

Ion 53.00 (52.70 to 53.70): VY001528.D (-1698) (-)

Ion 88.90 (88.60 to 89.60): VY001528.D (-1698) (-)



#95

Naphthalene

Concen: 1.381 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001528.D

Acq: 06 Feb 2020 14:20

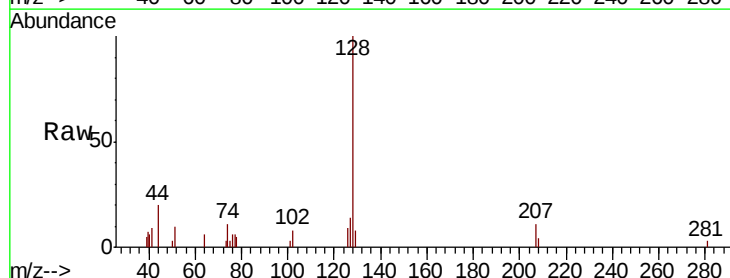
Tgt Ion: 128 Resp: 3330

Ion Ratio Lower Upper

128 100

127 15.8 10.1 15.1#

129 11.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VY001528.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VY001528.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VY001528.D (-2166) (-)

