

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001629.D
 Acq On : 13 Feb 2020 16:29
 Operator : SY/MD
 Sample : L1525-01
 Misc : 7.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 06:25:09 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	73651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	108109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	79551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	33903	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	27012	36.43	ug/l	0.00
Spiked Amount			Recovery	=	72.86%	
35) Dibromofluoromethane	7.74	113	27999	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	
50) Toluene-d8	10.19	98	123496	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.49	95	34605	37.24	ug/l	0.00
Spiked Amount			Recovery	=	74.48%	

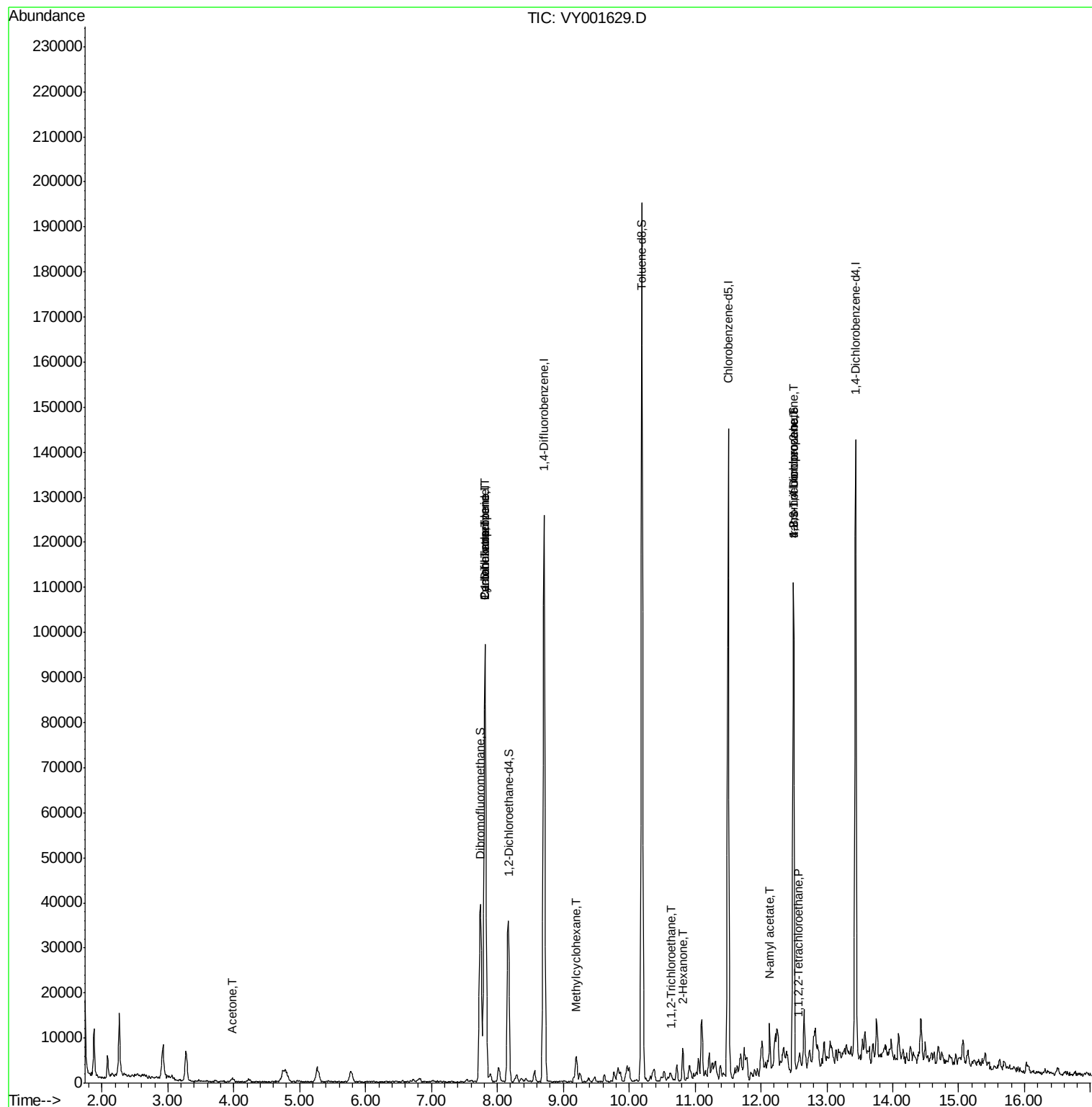
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	161	Below Cal	#	76
16) Acetone	3.98	43	1486	6.928	ug/l	90
20) Methylene Chloride	4.76	84	1597	Below Cal	#	83
31) Cyclohexane	7.82	56	2753	1.907	ug/l #	52
36) 1,1-Dichloropropene	7.82	75	5650	5.713	ug/l #	49
38) Carbon Tetrachloride	7.81	117	7204	7.529	ug/l #	16
39) Methylcyclohexane	9.20	83	2059	1.581	ug/l #	86
55) 1,1,2-Trichloroethane	10.63	97	646	1.177	ug/l #	16
59) 2-Hexanone	10.81	43	3036	8.944	ug/l #	23
74) N-amyl acetate	12.13	43	2568	3.822	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.56	83	596	1.213	ug/l #	60
76) 1,2,3-Trichloropropane	12.49	75	17480	47.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	17480	92.769	ug/l #	16

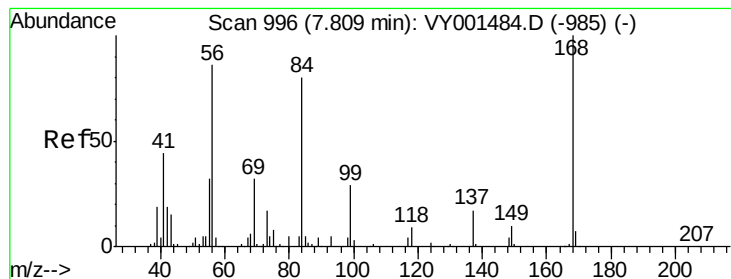
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

Instrument :

MSVOA_Y

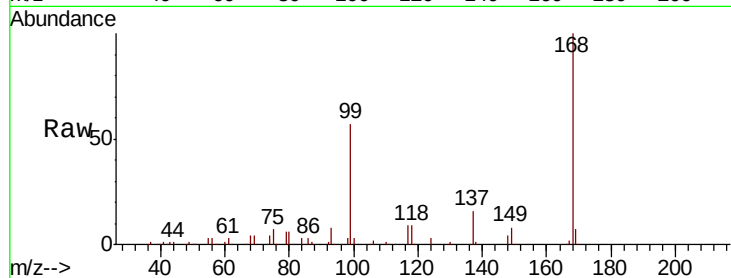
ClientSampled :

Tot Ion:168 Resp: 73651

Ion Ratio Lower Upper

168 100

99 57.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

30000

20000

10000

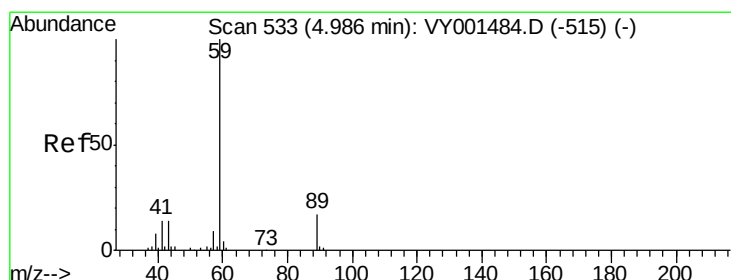
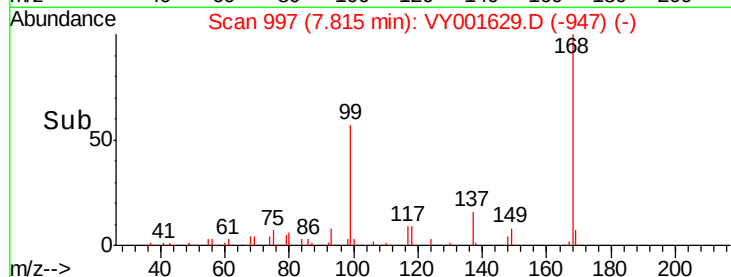
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY001629.D

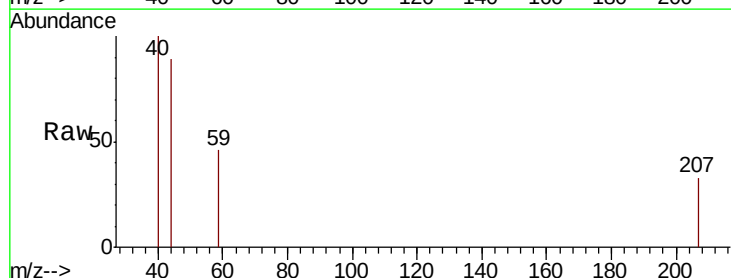
Acq: 13 Feb 2020 16:29

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

4.99

120

100

80

60

40

20

0

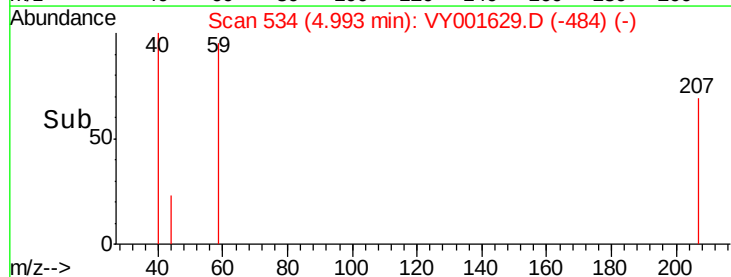
Time-->

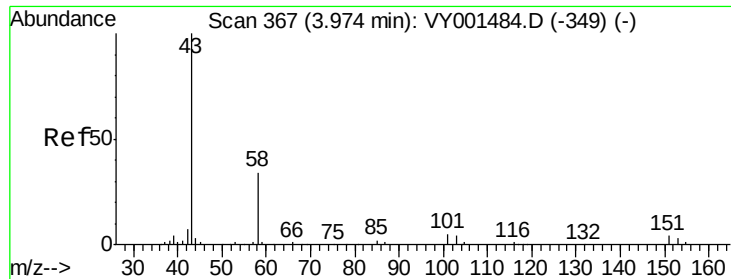
4.96

4.98

5.00

5.02

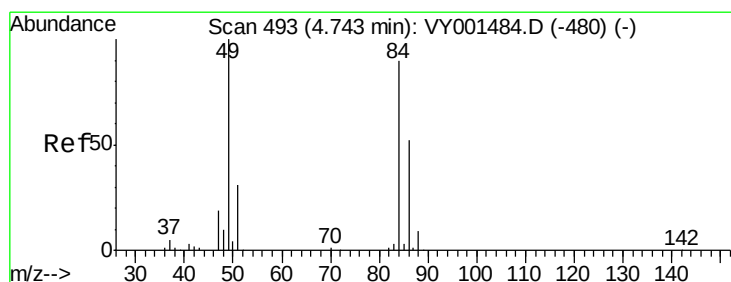
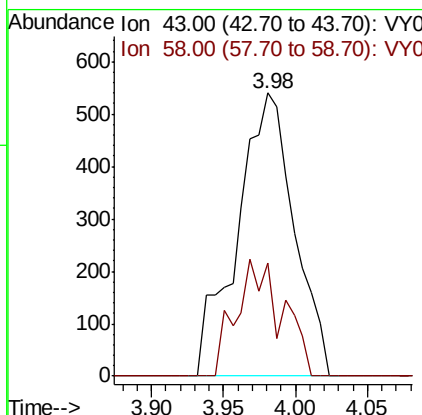
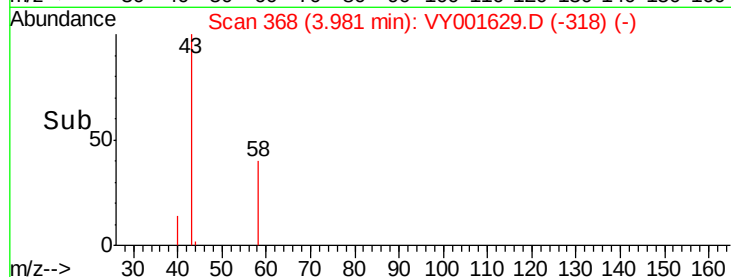
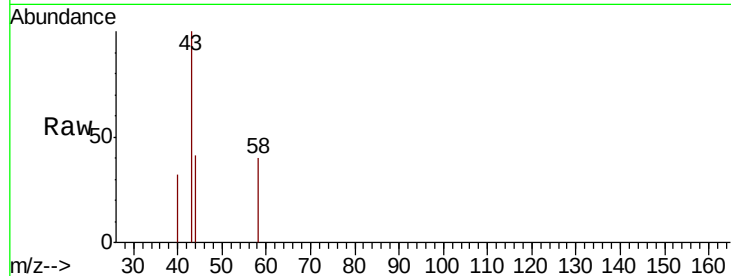




#16
Acetone
Concen: 6.928 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001629.D
Acq: 13 Feb 2020 16:29

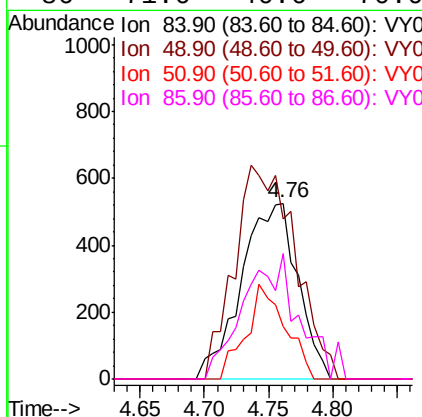
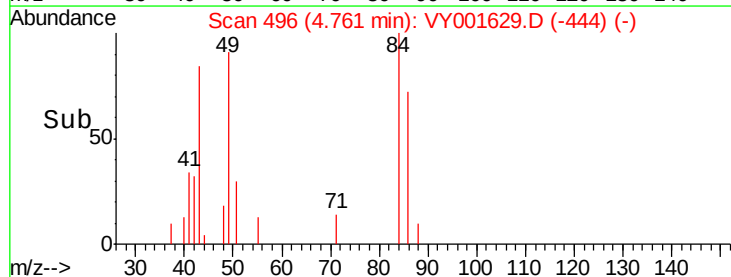
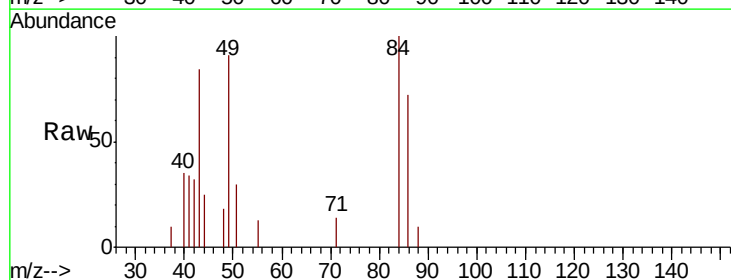
Instrument :
MSVOA_Y
ClientSampleId :

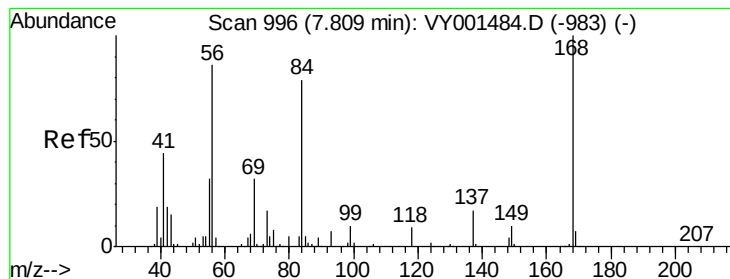
Tot Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
58 40.2 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001629.D
Acq: 13 Feb 2020 16:29

Tgt Ion: 84 Resp: 1597
Ion Ratio Lower Upper
84 100
49 90.9 89.0 133.6
51 29.7 27.4 41.2
86 71.6 46.6 70.0#





#31

Cyclohexane

Concen: 1.907 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

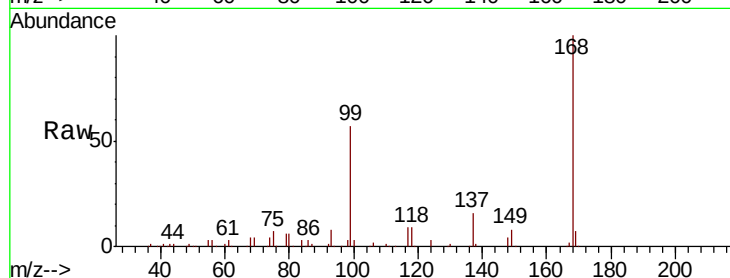
Tot Ion: 56 Resp: 2753

Ion Ratio Lower Upper

56 100

69 129.8 29.6 44.4#

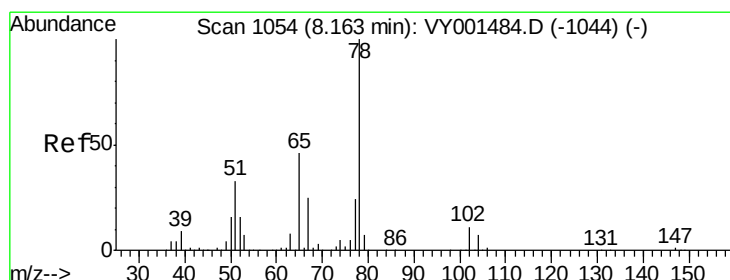
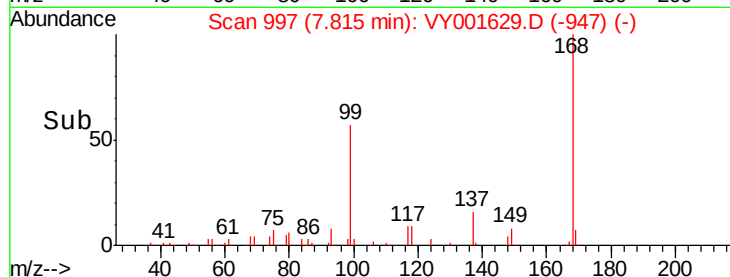
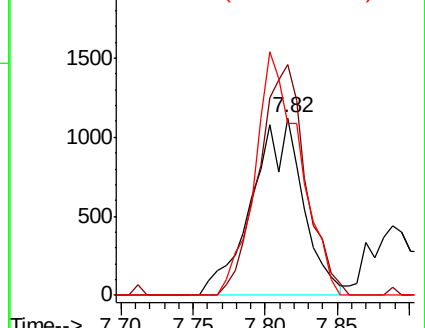
84 96.6 73.6 110.4



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: 36.426 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001629.D

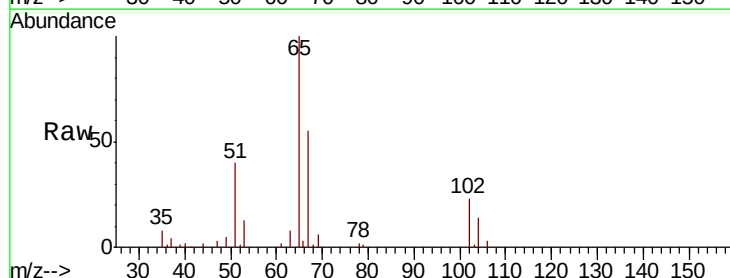
Acq: 13 Feb 2020 16:29

Tgt Ion: 65 Resp: 27012

Ion Ratio Lower Upper

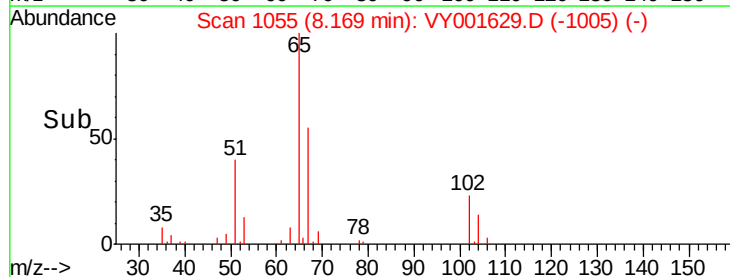
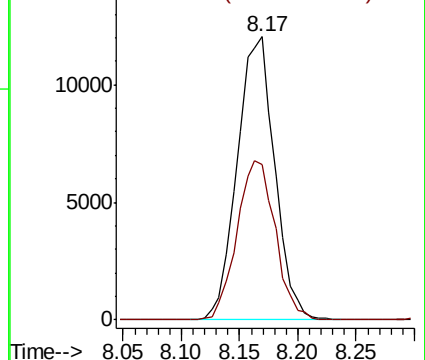
65 100

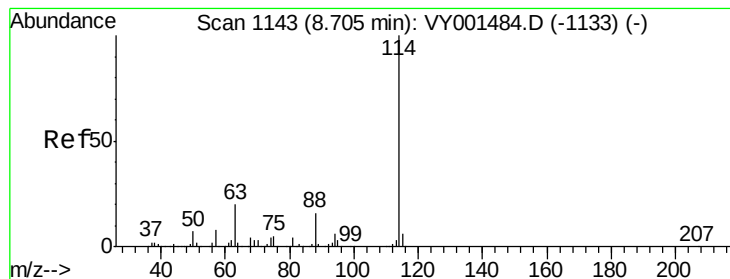
67 57.3 0.0 108.6



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: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

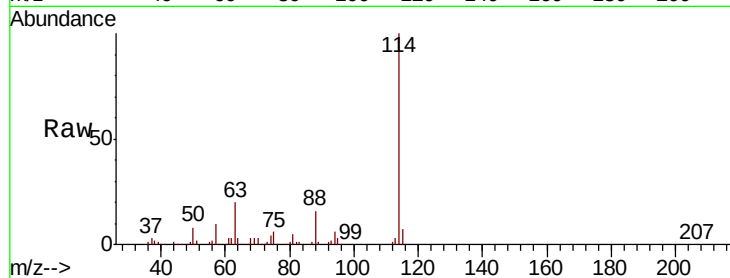
Tot Ion:114 Resp: 108109

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

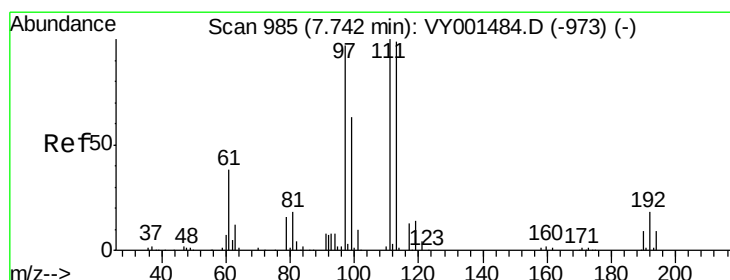
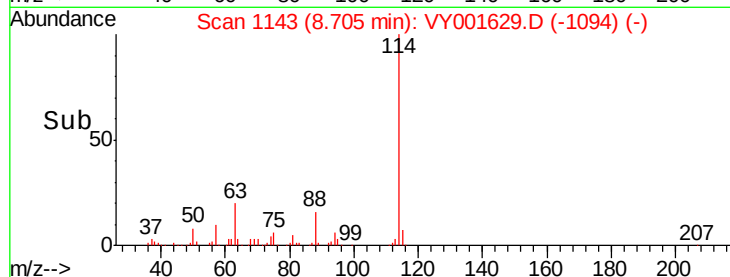
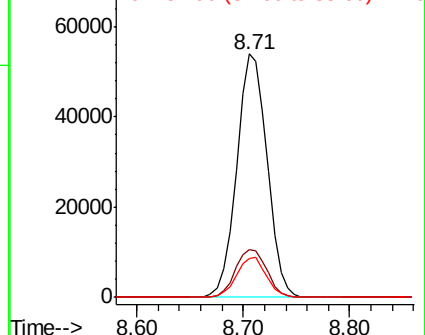
88 15.9 0.0 32.6



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: 44.913 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

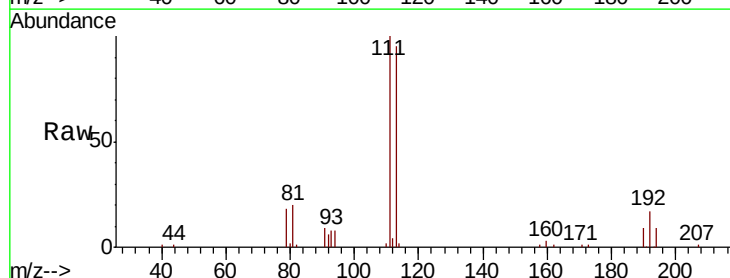
Tgt Ion:113 Resp: 27999

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

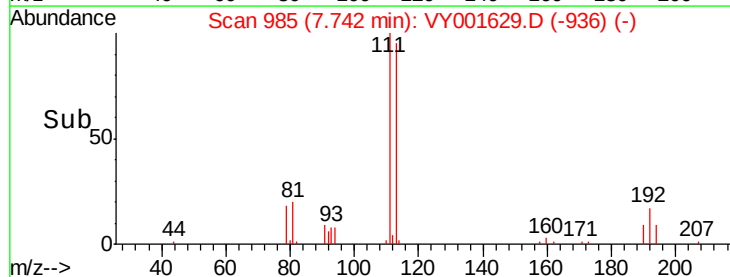
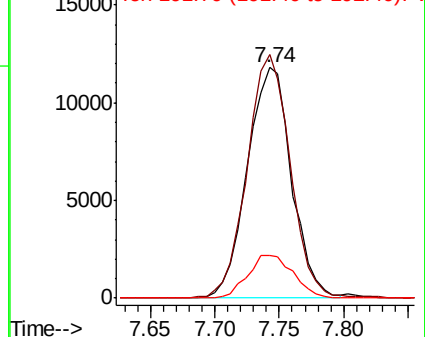
192 19.2 14.6 22.0

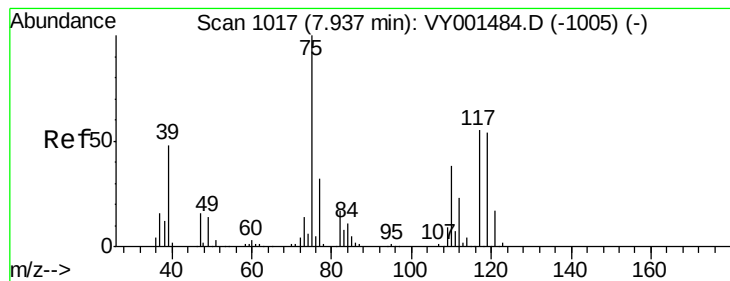


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.713 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

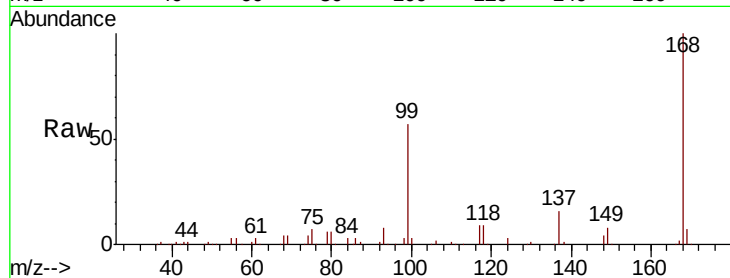
Tot Ion: 75 Resp: 5650

Ion Ratio Lower Upper

75 100

110 9.5 18.2 54.6#

77 0.0 25.0 37.4#

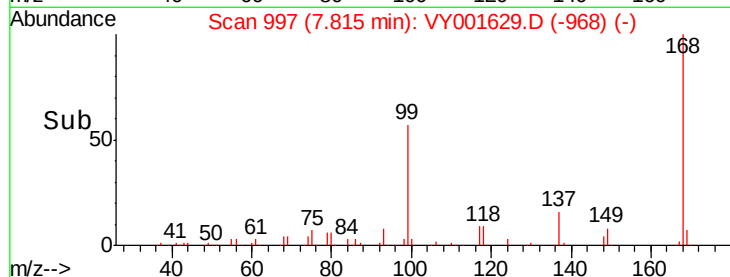


Abundance Ion 74.90 (74.60 to 75.60): VY001629.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY001629.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY001629.D (-968) (-)

Time-->

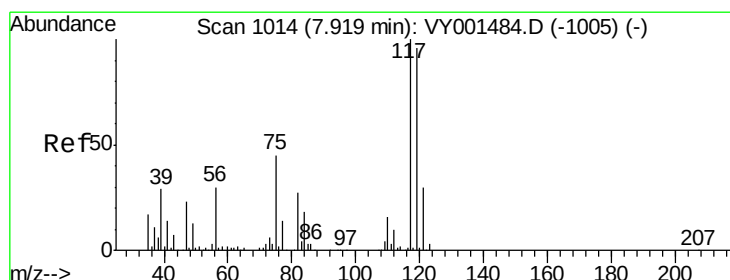


Abundance Ion 74.90 (74.60 to 75.60): VY001629.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY001629.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY001629.D (-968) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.529 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

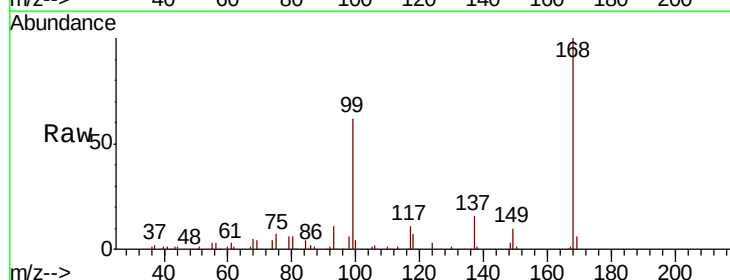
Tgt Ion: 117 Resp: 7204

Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 24.2 36.4#

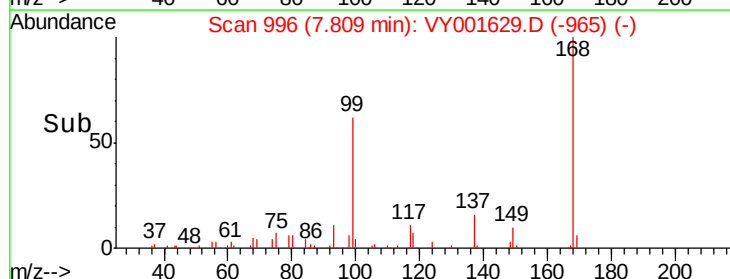


Abundance Ion 116.80 (116.50 to 117.50): VY001629.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY001629.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY001629.D (-965) (-)

Time-->

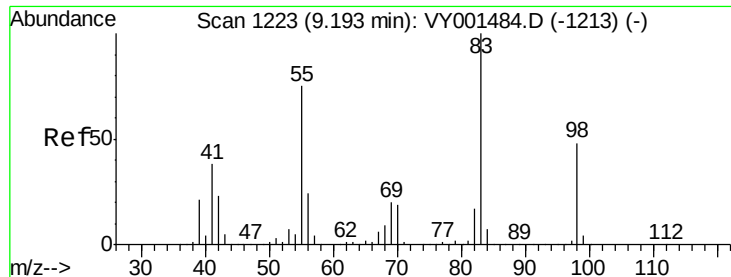


Abundance Ion 116.80 (116.50 to 117.50): VY001629.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY001629.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY001629.D (-965) (-)

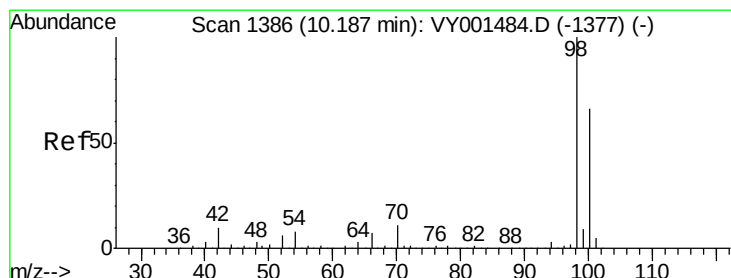
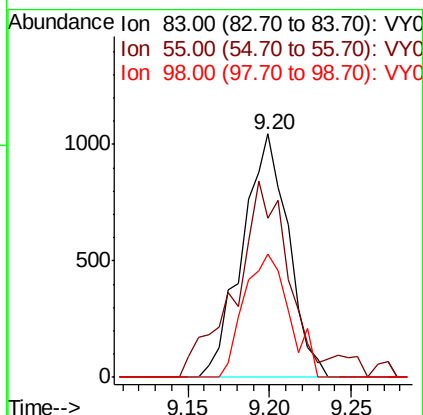
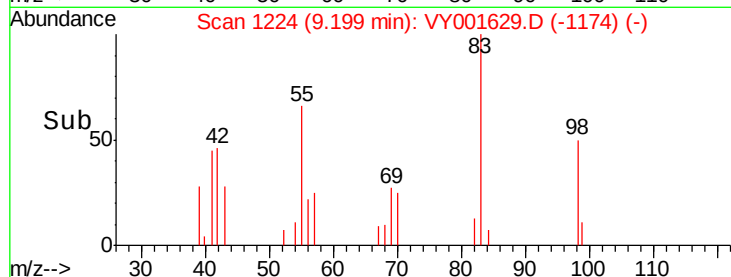
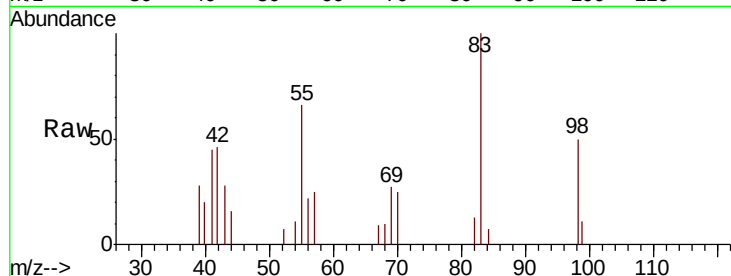
Time-->



#39
Methvlcvclohexane
Concen: 1.581 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001629.D
Acq: 13 Feb 2020 16:29

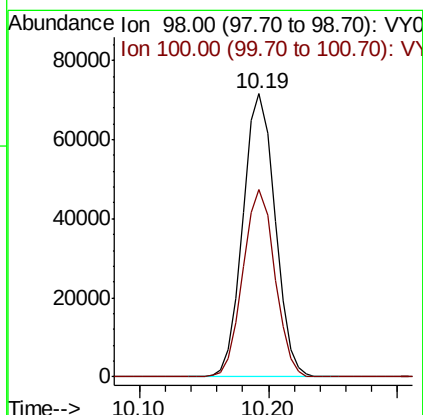
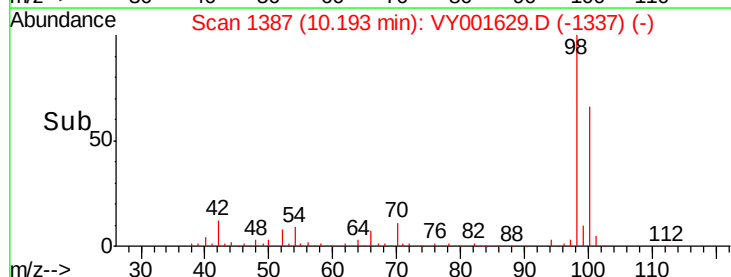
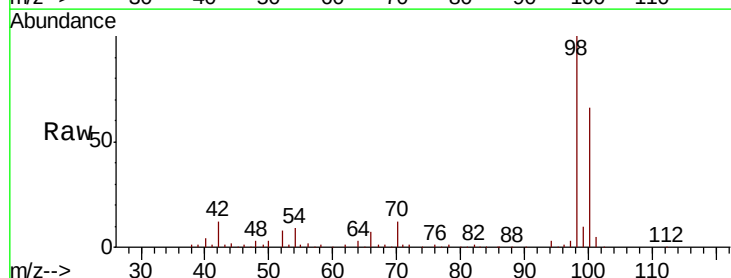
Instrument :
MSVOA_Y
ClientSampleId :

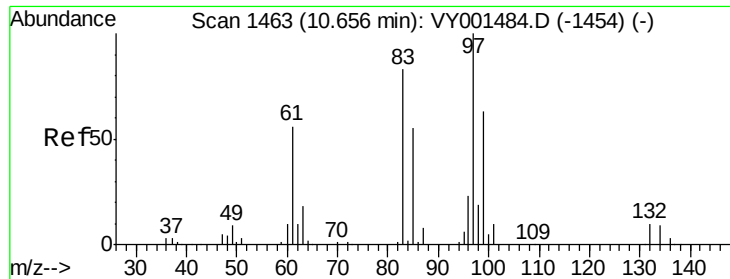
Tot Ion: 83 Resp: 2059
Ion Ratio Lower Upper
83 100
55 57.1 59.8 89.6#
98 50.5 38.6 57.8



#50
Toluene-d8
Concen: 52.359 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001629.D
Acq: 13 Feb 2020 16:29

Tgt Ion: 98 Resp: 123496
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6

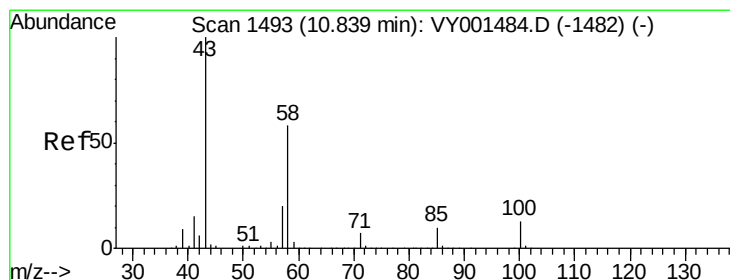
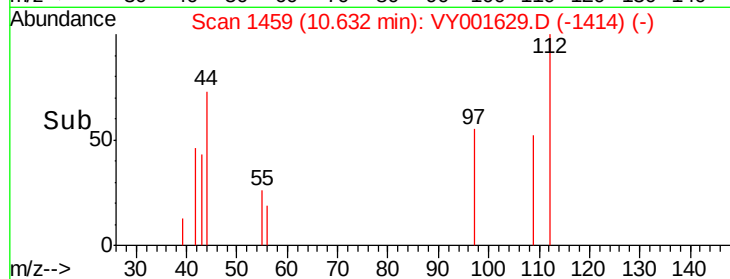
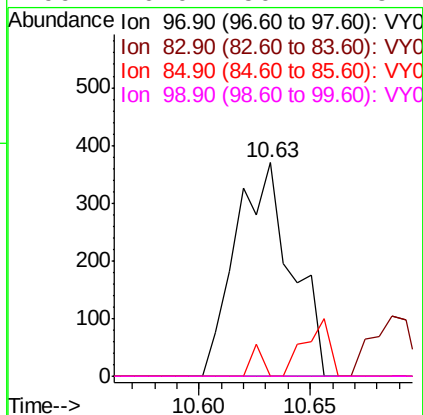
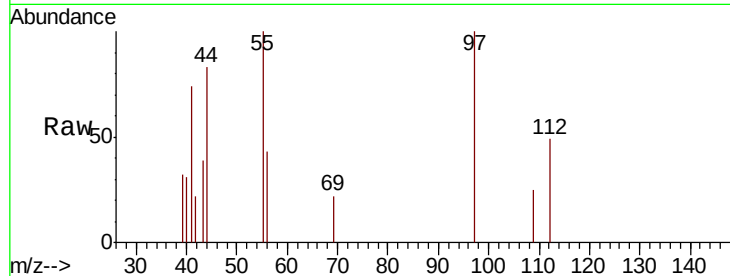




#55
 1,1,2-Trichloroethane
 Concen: 1.177 ug/l
 RT: 10.63 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: VY001629.D
 Acq: 13 Feb 2020 16:29

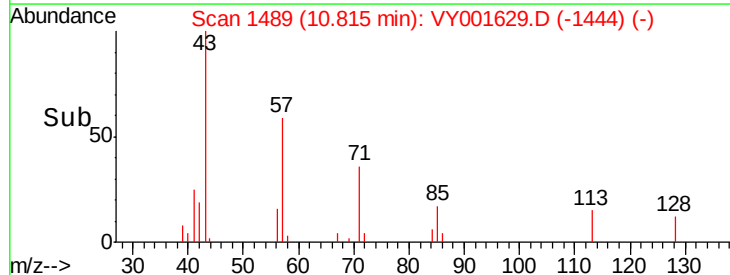
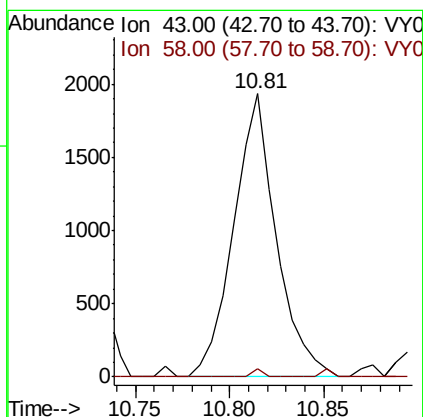
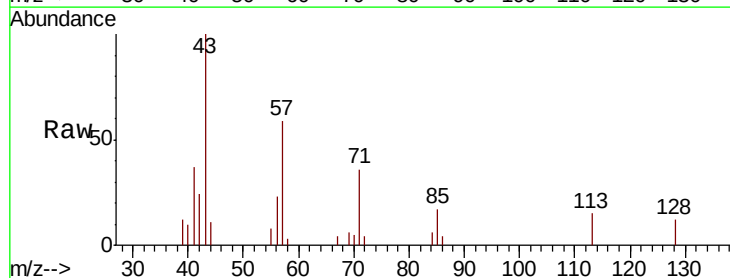
Instrument :
 MSVOA_Y
 ClientSampled :

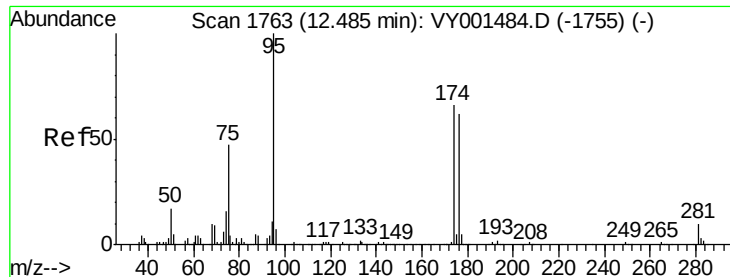
Tot Ion: 97 Resp: 646
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.2 99.2#
 85 0.0 43.8 65.6#
 99 0.0 50.1 75.1#



#59
 2-Hexanone
 Concen: 8.944 ug/l
 RT: 10.81 min Scan# 1489
 Delta R.T. -0.02 min
 Lab File: VY001629.D
 Acq: 13 Feb 2020 16:29

Tgt Ion: 43 Resp: 3036
 Ion Ratio Lower Upper
 43 100
 58 0.7 29.0 87.0#

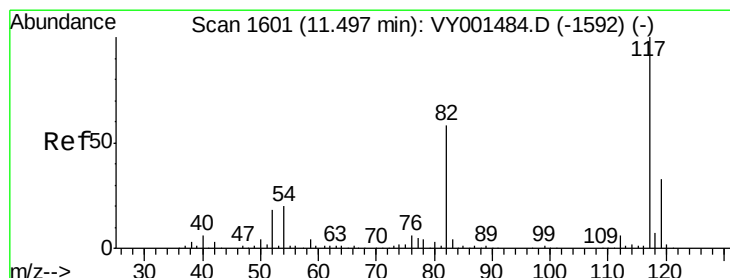
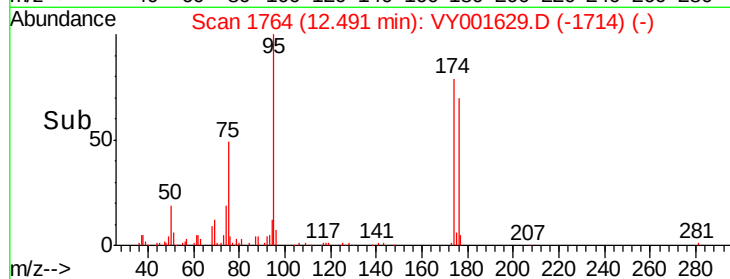
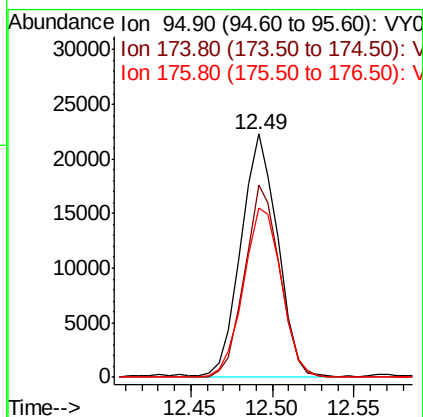
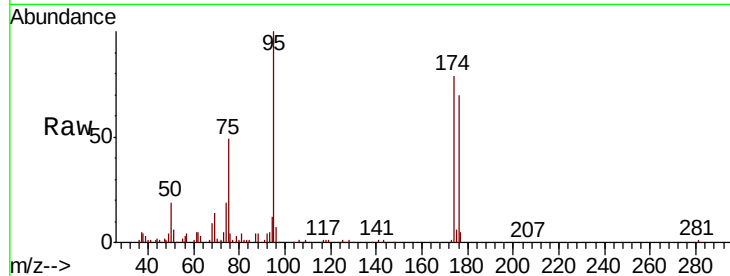




#62
4-Bromofluorobenzene
Concen: 37.243 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001629.D
Acq: 13 Feb 2020 16:29

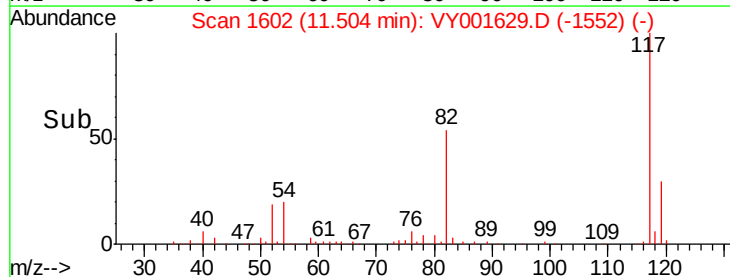
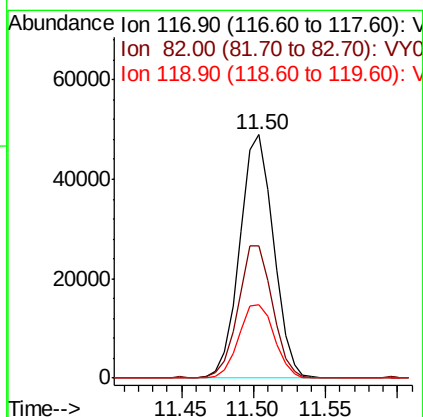
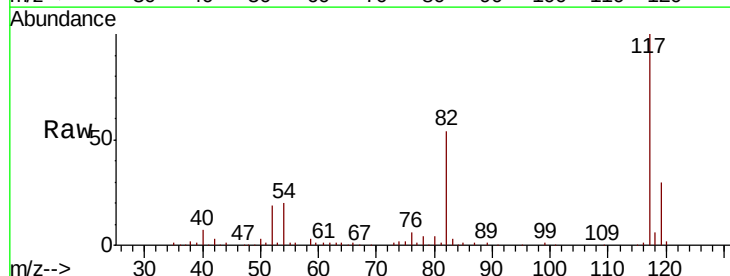
Instrument :
MSVOA_Y
ClientSampleId :

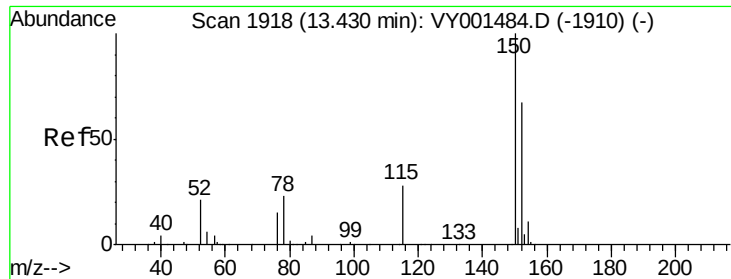
Tot Ion: 95 Resp: 34605
Ion Ratio Lower Upper
95 100
174 76.2 0.0 141.4
176 73.0 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001629.D
Acq: 13 Feb 2020 16:29

Tgt Ion: 117 Resp: 79551
Ion Ratio Lower Upper
117 100
82 54.0 46.1 69.1
119 29.9 26.1 39.1

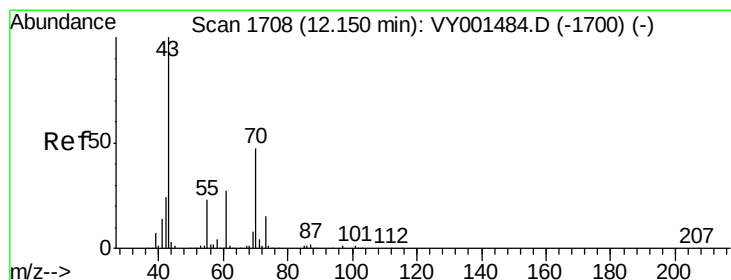
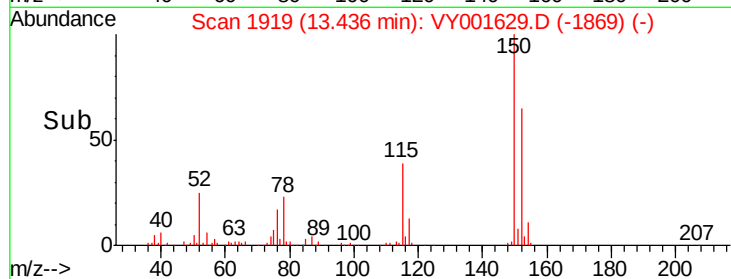
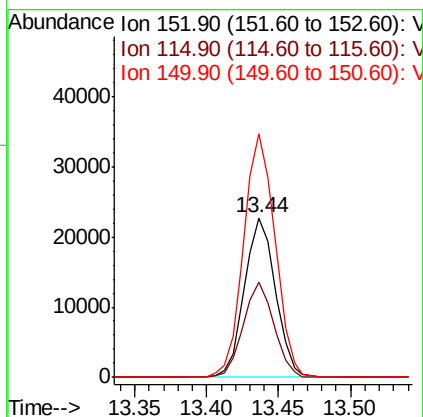
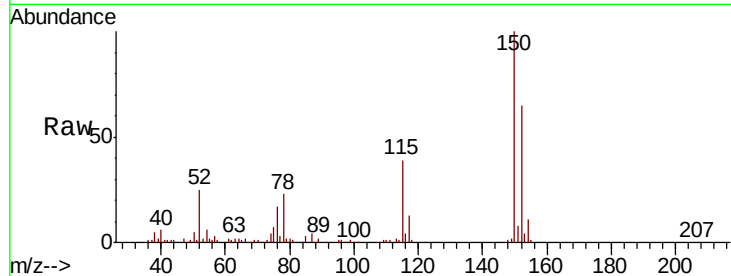




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.44 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VY001629.D
 Acq: 13 Feb 2020 16:29

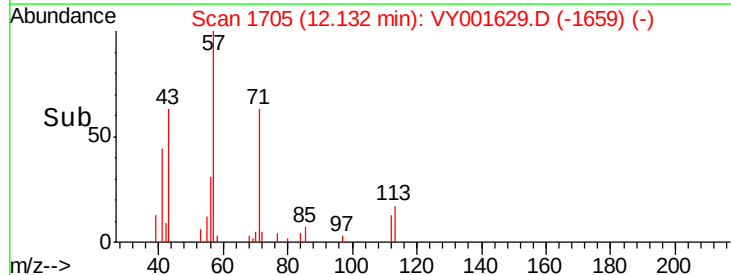
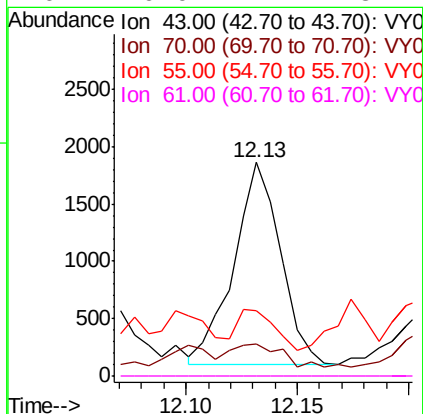
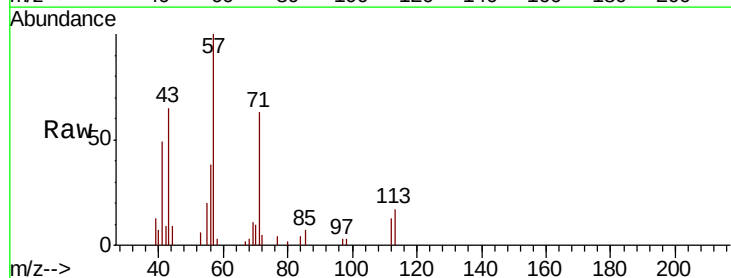
Instrument :
 MSVOA_Y
 ClientSampleId :

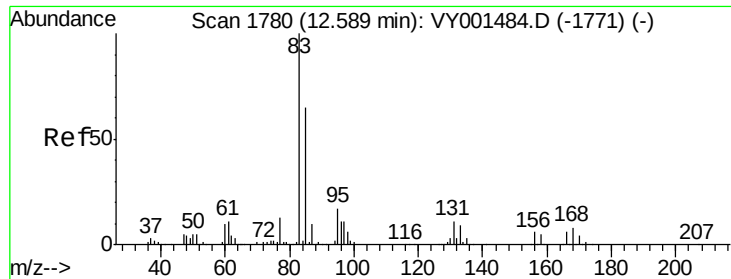
Tot Ion:152 Resp: 33903
 Ion Ratio Lower Upper
 152 100
 115 59.0 31.4 94.3
 150 154.4 0.0 346.8



#74
 N-ethyl acetate
 Concen: 3.822 ug/l
 RT: 12.13 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: VY001629.D
 Acq: 13 Feb 2020 16:29

Tgt Ion: 43 Resp: 2568
 Ion Ratio Lower Upper
 43 100
 70 12.4 37.2 55.8#
 55 15.0 18.8 28.2#
 61 0.0 21.4 32.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.213 ug/l

RT: 12.56 min Scan# 1776

Delta R.T. -0.02 min

Lab File: VY001629.D

Acq: 13 Feb 2020 16:29

Instrument :

MSVOA_Y

ClientSampleId :

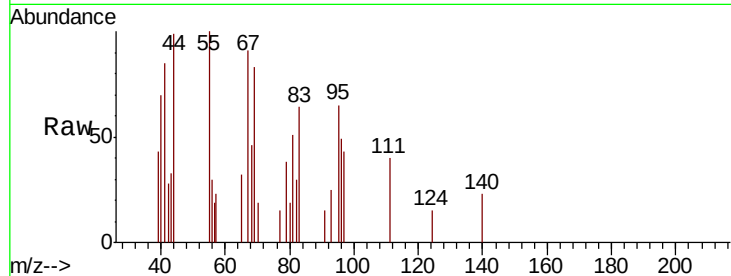
Tot Ion: 83 Resp: 596

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

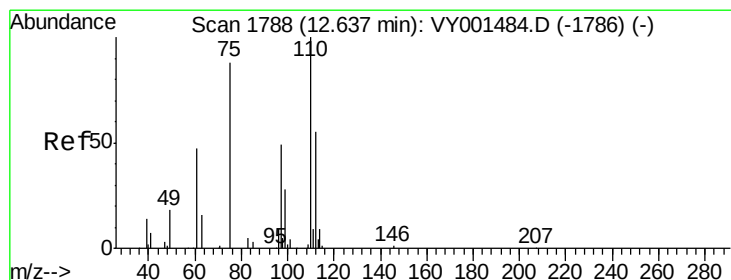
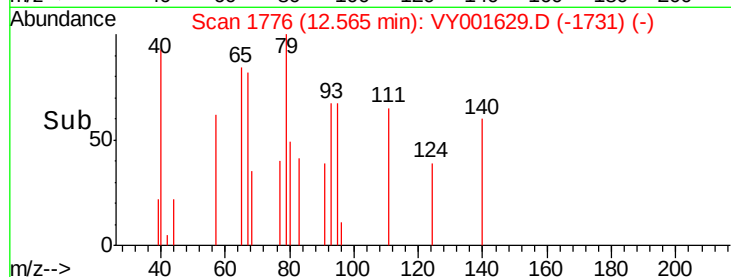
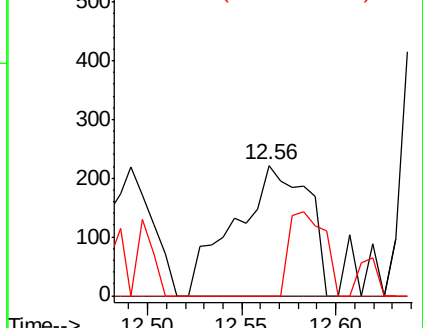
85 31.2 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 47.944 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001629.D

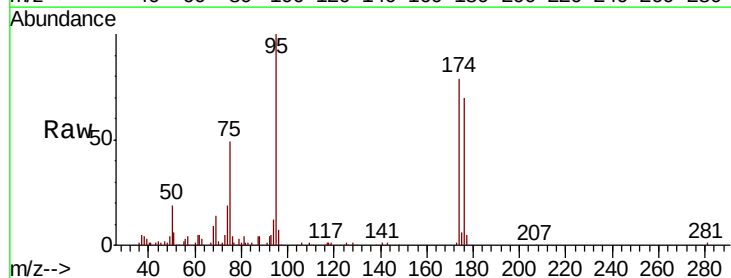
Acq: 13 Feb 2020 16:29

Tgt Ion: 75 Resp: 17480

Ion Ratio Lower Upper

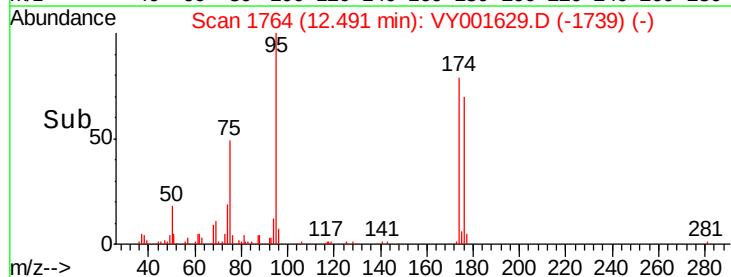
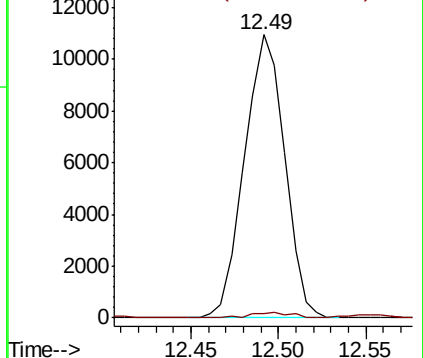
75 100

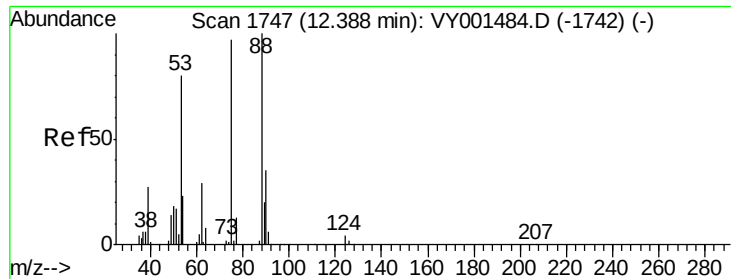
77 1.8 0.0 0.0#



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: 92.769 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001629.D
 Acq: 13 Feb 2020 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 17480
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.7 101.5#
 89 0.0 34.6 52.0#

