

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002562.D
 Acq On : 05 May 2020 00:28
 Operator : SY/MD
 Sample : L2463-08
 Misc : 4.58G/5ML/MSVOA Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-AOC14-CAR-WASH

Quant Time: May 05 07:17:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

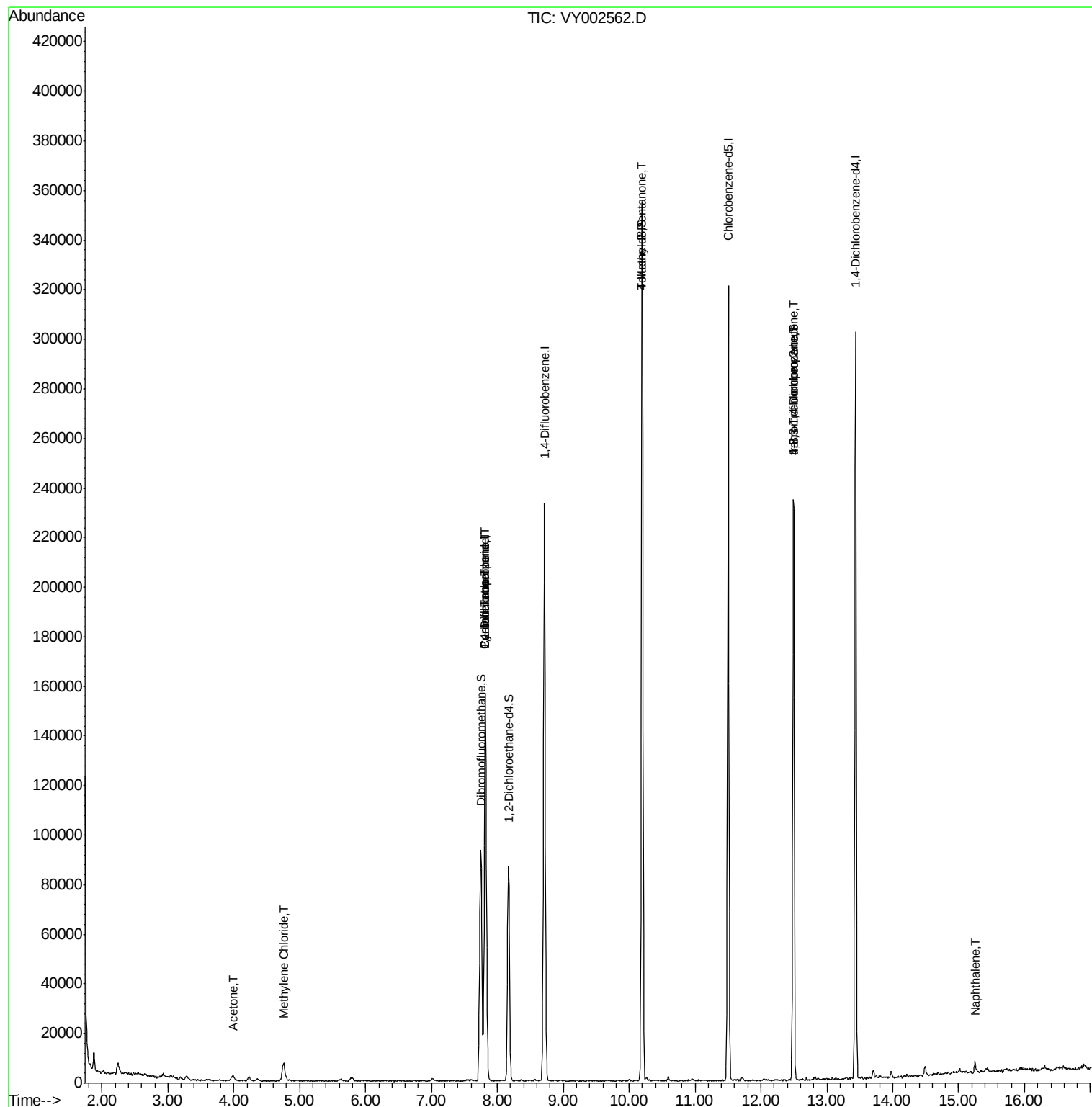
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	130697	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	207829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	183592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	80040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	66490	60.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.00%	
35) Dibromofluoromethane	7.75	113	65961	55.50	ug/l	0.01
Spiked Amount 50.000			Recovery	=	111.00%	
50) Toluene-d8	10.20	98	244451	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.49	95	75894	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
Target Compounds						
					Qvalue	
16) Acetone	3.99	43	4110	18.122	ug/l	89
20) Methylene Chloride	4.76	84	5796	4.570	ug/l #	92
31) Cyclohexane	7.81	56	2223	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	8488	4.872	ug/l #	50
38) Carbon Tetrachloride	7.82	117	11533	6.063	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	1041	1.203	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	35623	50.082	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	35623	100.425	ug/l #	15
95) Naphthalene	15.25	128	3705	1.278	ug/l	97

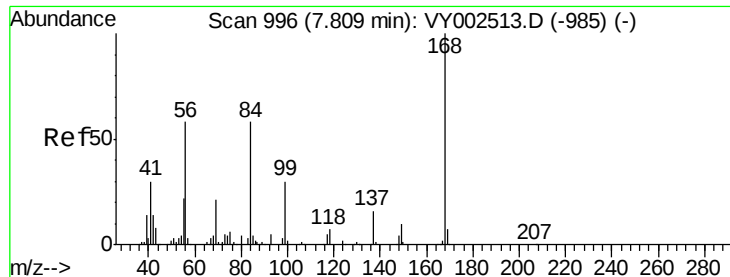
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002562.D

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Instrument :

MSVOA_Y

ClientSampleId :

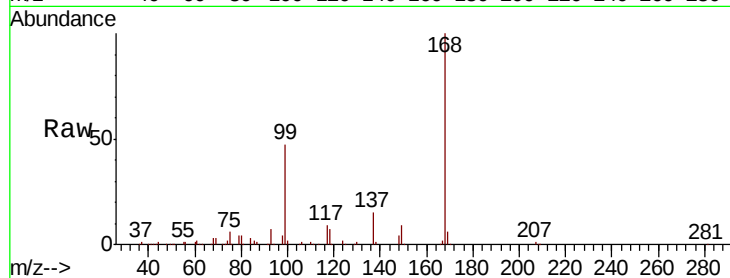
NORTH-AOC14-CAR-WASH

Tot Ion:168 Resp: 130697

Ion Ratio Lower Upper

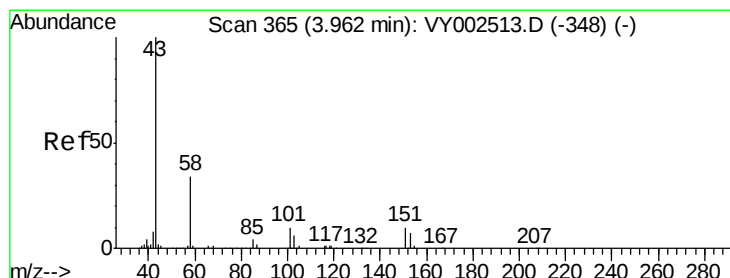
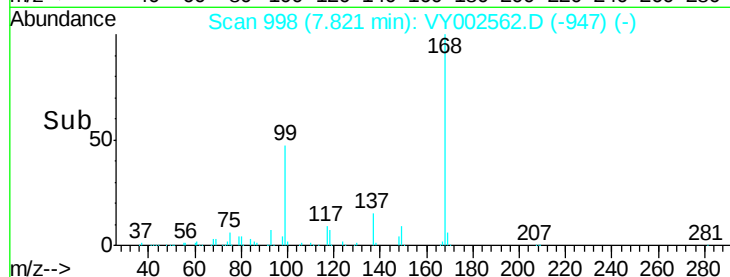
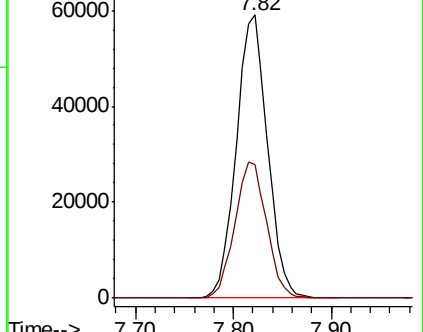
168 100

99 47.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)



#16

Acetone

Concen: 18.122 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002562.D

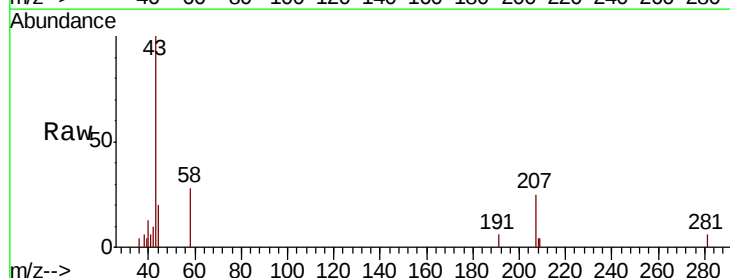
Acq: 05 May 2020 00:28

Tgt Ion: 43 Resp: 4110

Ion Ratio Lower Upper

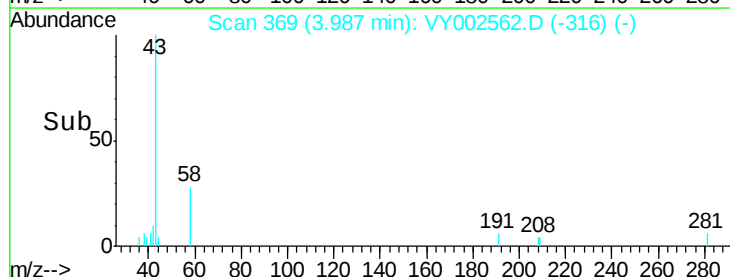
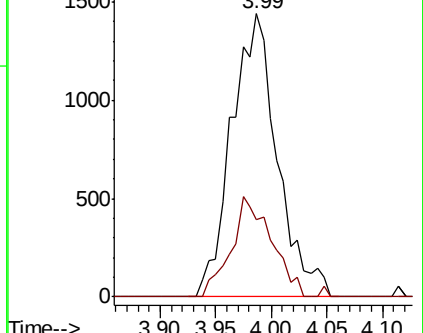
43 100

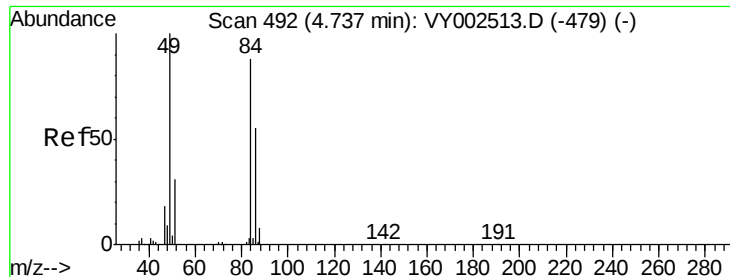
58 27.5 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

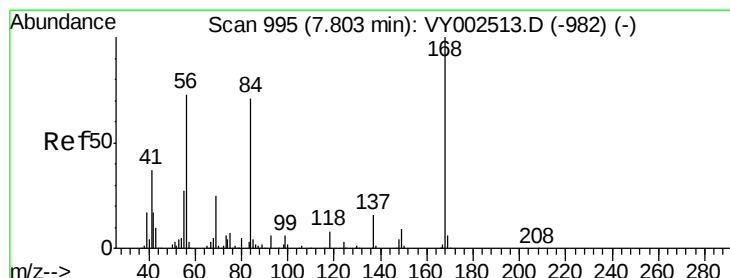
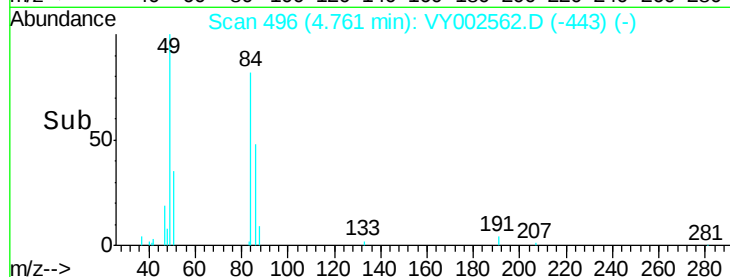
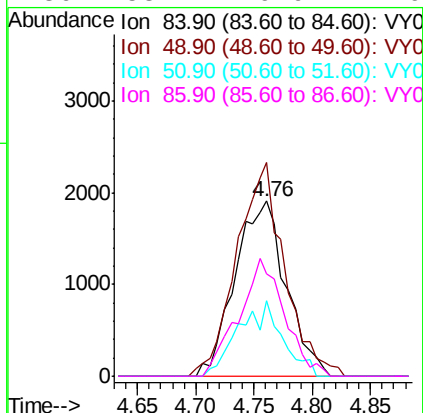
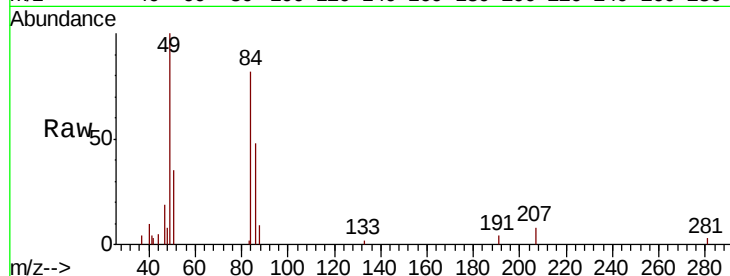




#20
Methvlene Chloride
Concen: 4.570 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY002562.D
Acq: 05 May 2020 00:28

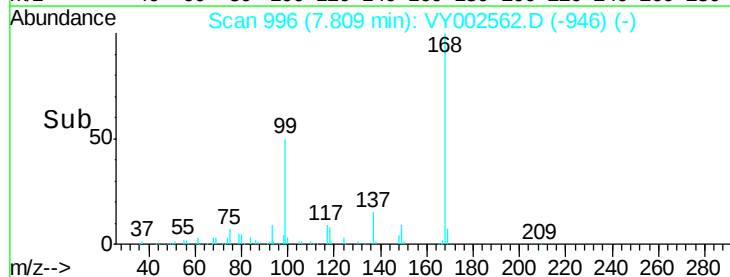
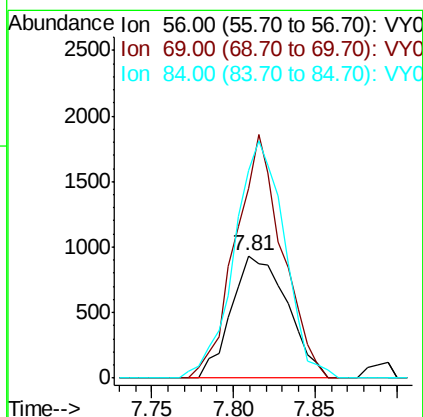
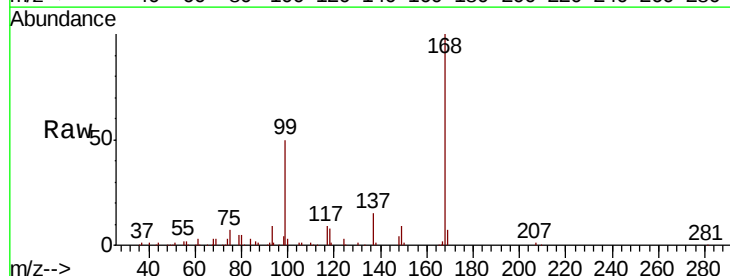
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-AOC14-CAR-WASH

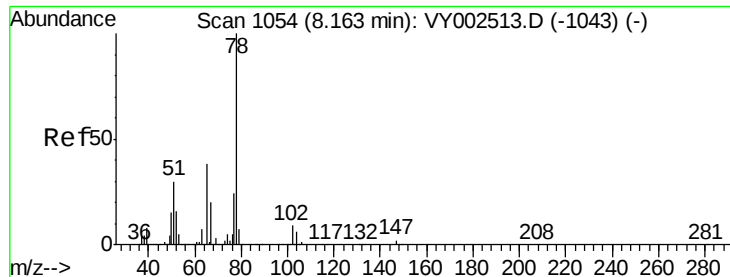
Tot Ion:	84	Resp:	5796
Ion	Ratio	Lower	Upper
84	100		
49	122.2	90.5	135.7
51	43.0	28.3	42.5#
86	58.7	49.9	74.9



#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002562.D
Acq: 05 May 2020 00:28

Tgt Ion:	56	Resp:	2223
Ion	Ratio	Lower	Upper
56	100		
69	154.8	27.6	41.4#
84	169.9	77.7	116.5#

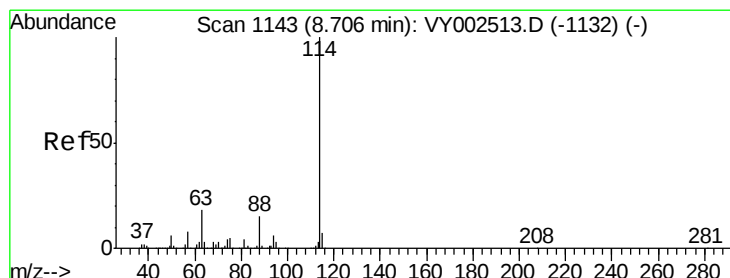
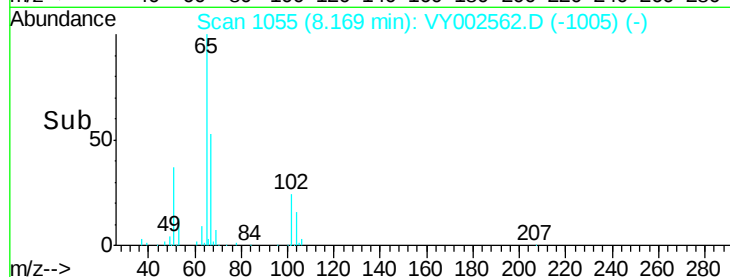
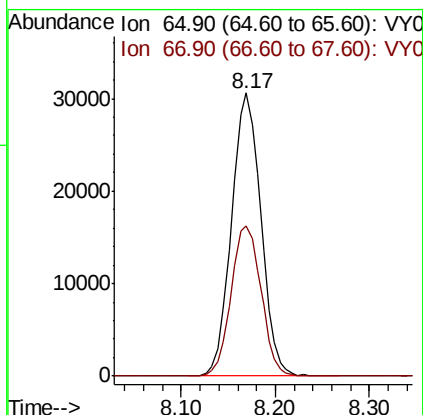
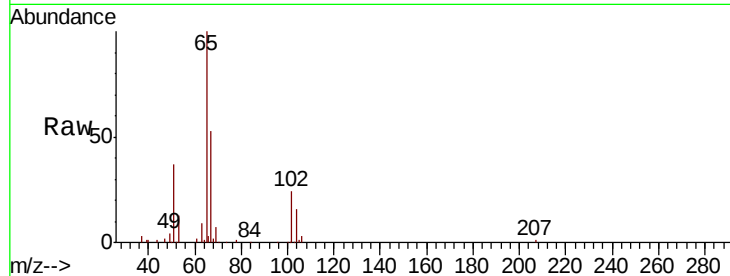




#33
 1,2-Dichloroethane-d4
 Concen: 60.505 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002562.D
 Acq: 05 May 2020 00:28

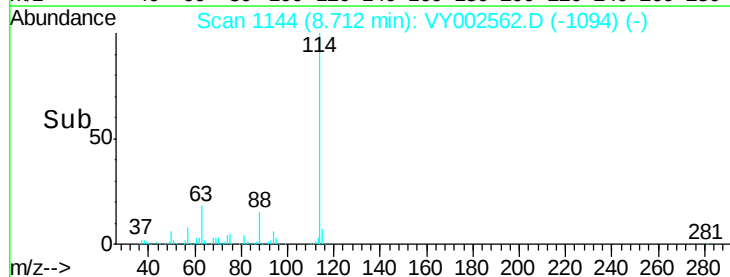
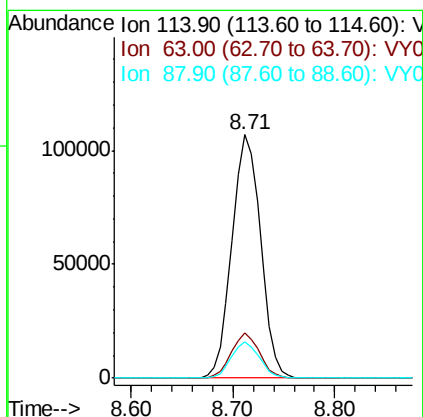
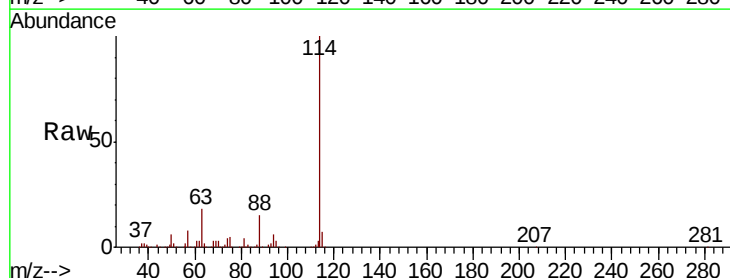
Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-AOC14-CAR-WASH

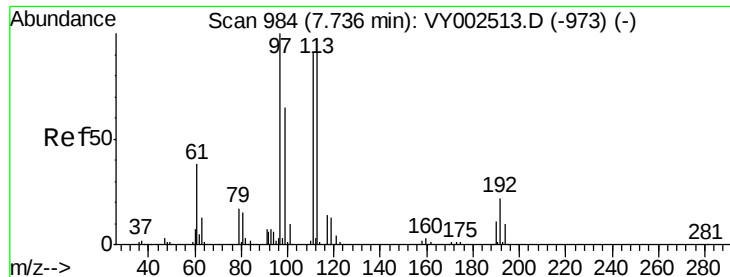
Tot Ion: 65 Resp: 66490
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002562.D
 Acq: 05 May 2020 00:28

Tgt Ion: 114 Resp: 207829
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 15.0 0.0 29.6

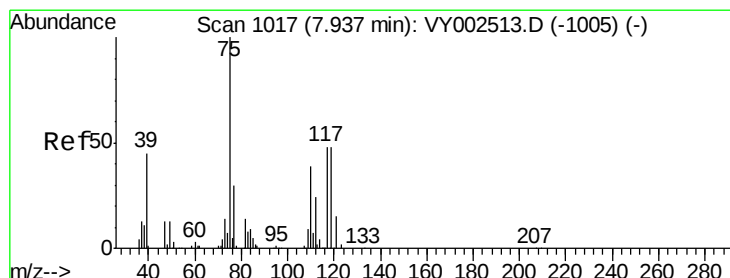
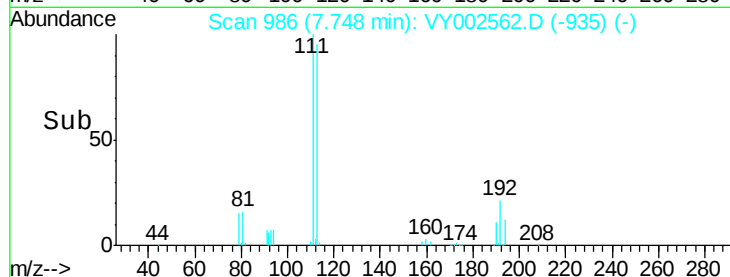
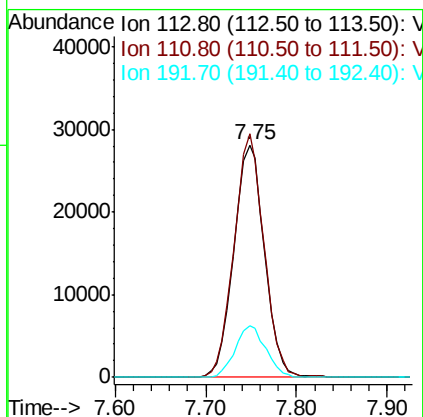
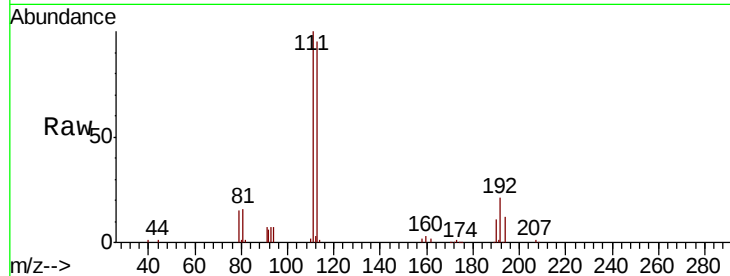




#35
 Dibromofluoromethane
 Concen: 55.496 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002562.D
 Acq: 05 May 2020 00:28

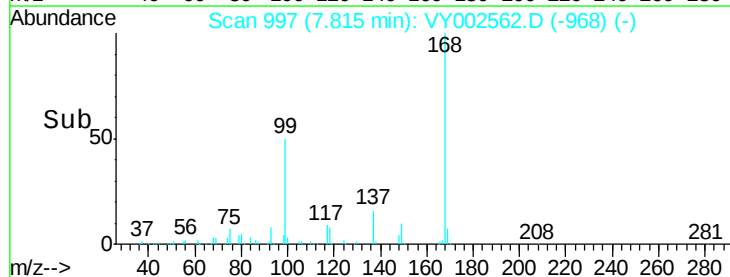
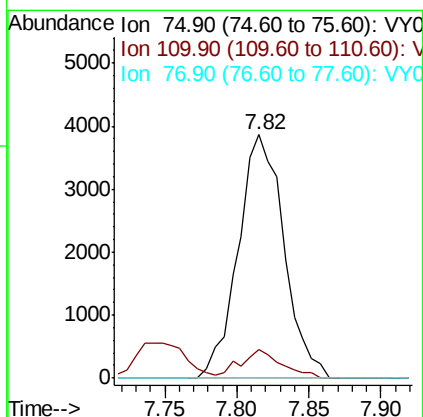
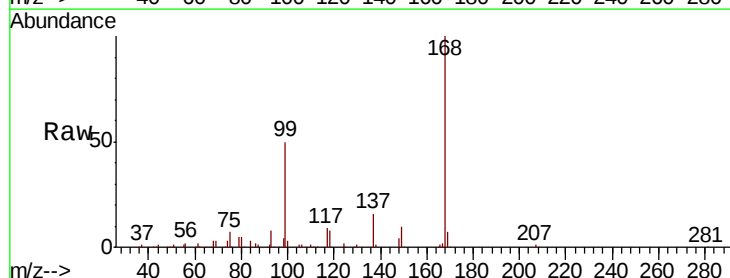
Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-AOC14-CAR-WASH

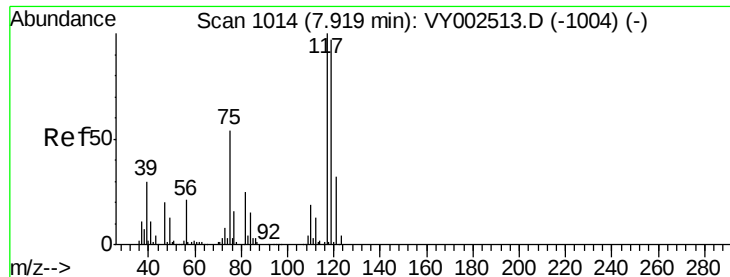
Tot Ion:113 Resp: 65961
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.6
 192 22.2 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.872 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002562.D
 Acq: 05 May 2020 00:28

Tgt Ion: 75 Resp: 8488
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.1 57.3#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.063 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-AOC14-CAR-WASH

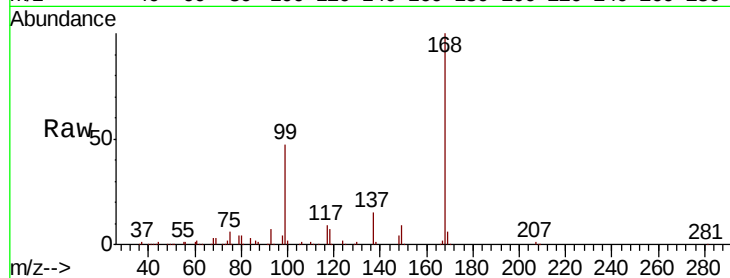
Tot Ion:117 Resp: 11533

Ion Ratio Lower Upper

117 100

119 5.8 77.1 115.7#

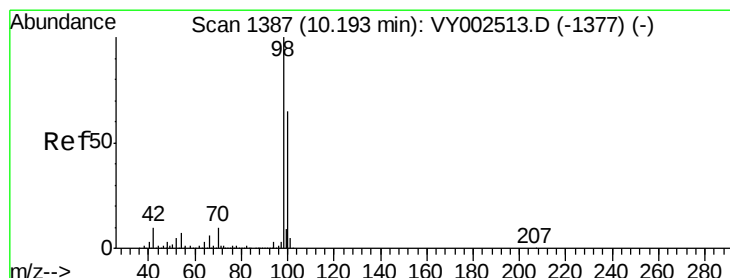
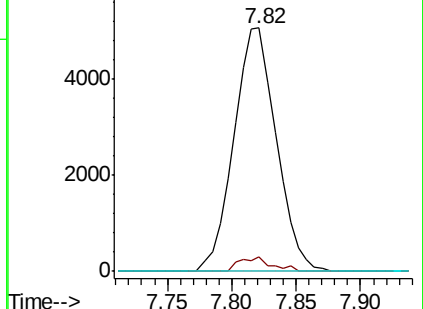
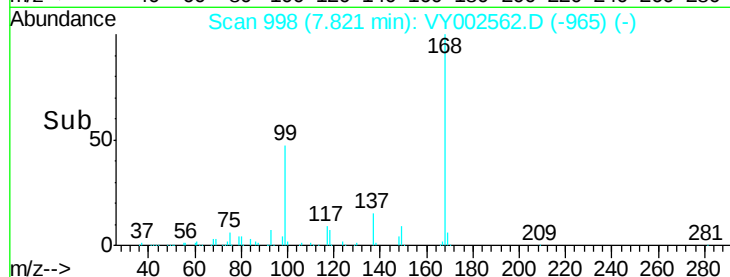
121 0.0 25.2 37.8#



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: 52.665 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002562.D

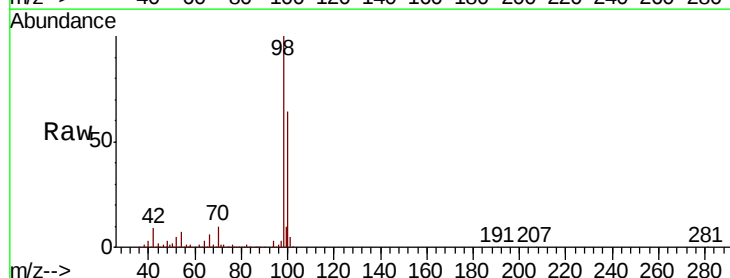
Acq: 05 May 2020 00:28

Tgt Ion: 98 Resp: 244451

Ion Ratio Lower Upper

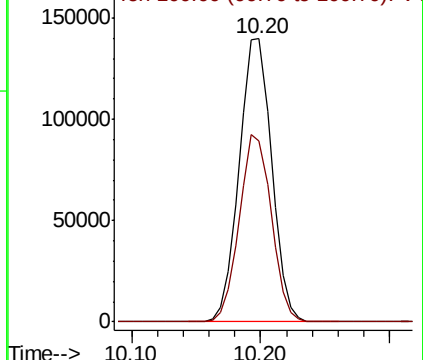
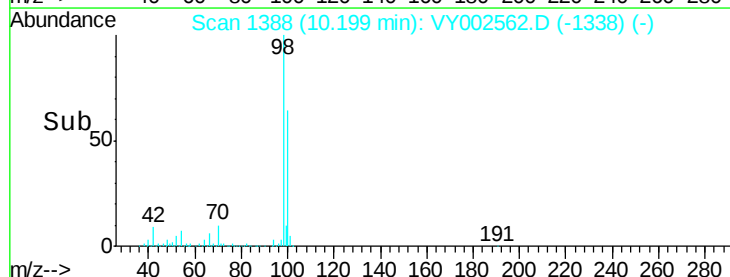
98 100

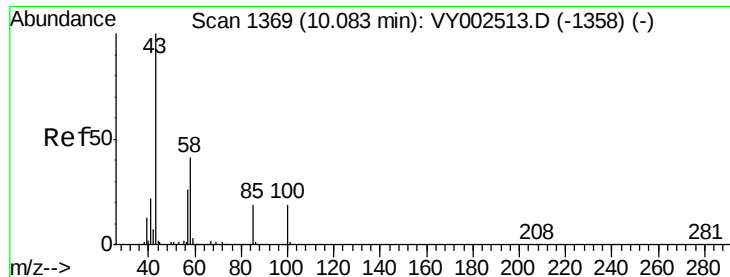
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.203 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

Instrument :

MSVOA_Y

ClientSampleId :

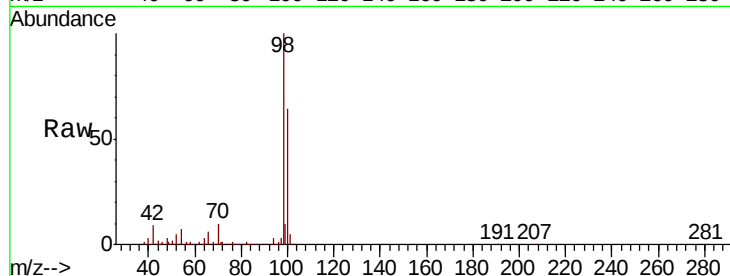
NORTH-AOC14-CAR-WASH

Tot Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

58 184.7 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

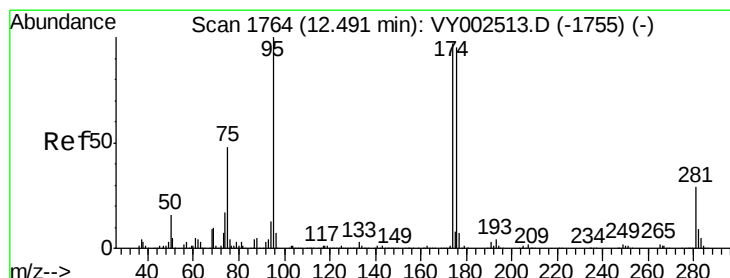
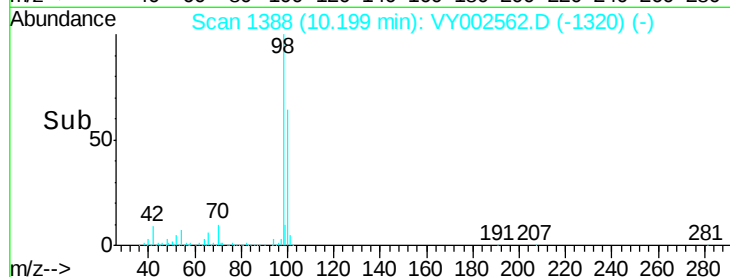
Ion 58.00 (57.70 to 58.70): VY0

1000

500

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 48.187 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

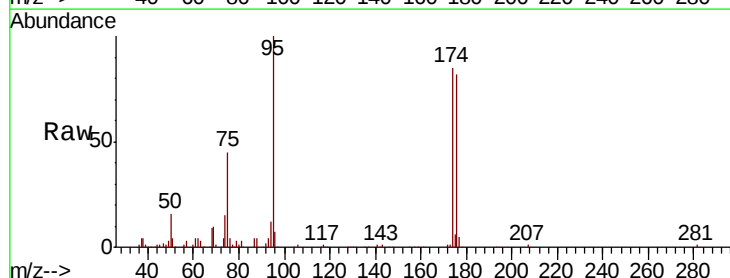
Tgt Ion: 95 Resp: 75894

Ion Ratio Lower Upper

95 100

174 90.2 0.0 188.8

176 88.2 0.0 183.2



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

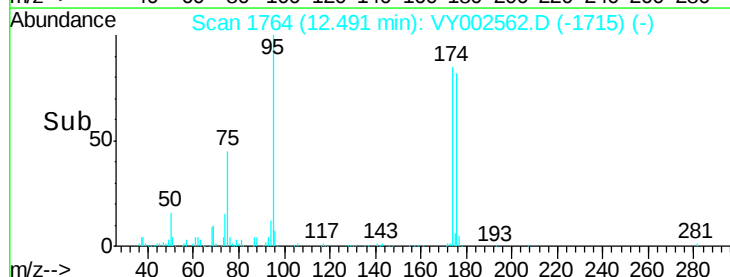
60000

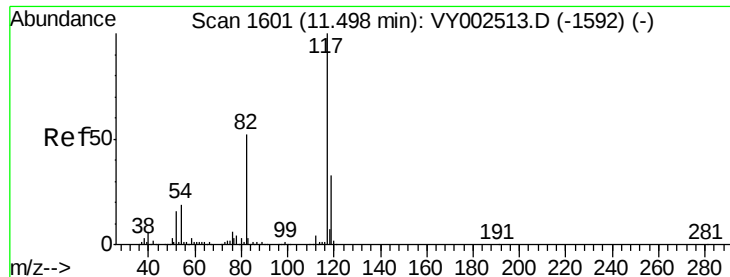
40000

20000

12.49

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-AOC14-CAR-WASH

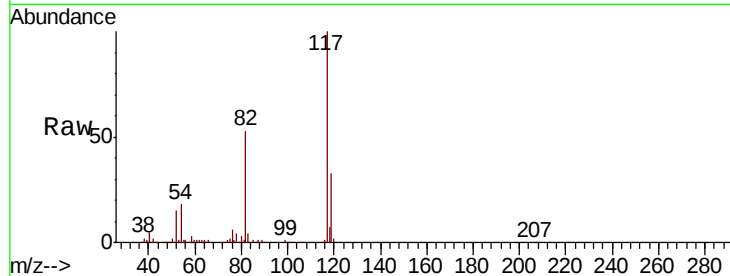
Tot Ion:117 Resp: 183592

Ion Ratio Lower Upper

117 100

82 52.7 41.3 61.9

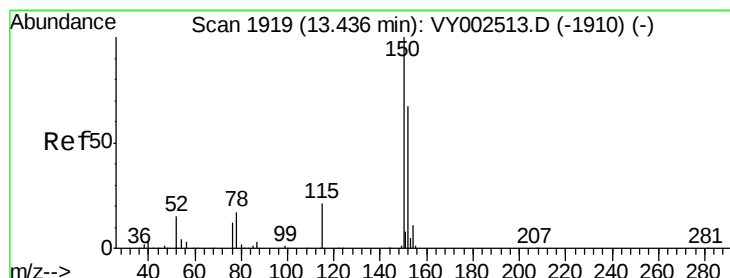
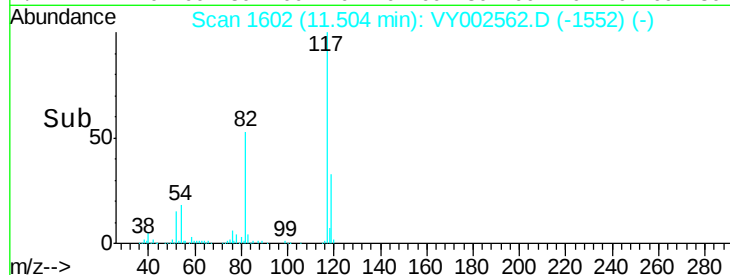
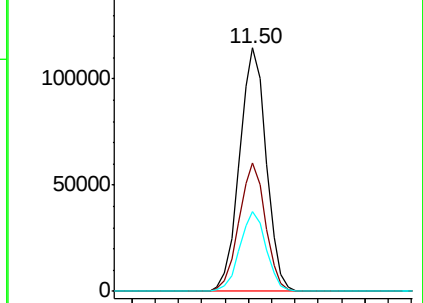
119 32.9 26.0 39.0



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: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

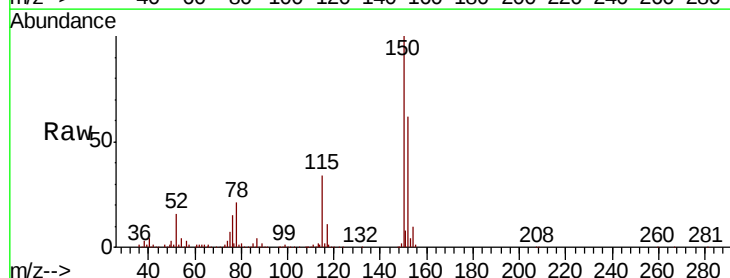
Tgt Ion:152 Resp: 80040

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

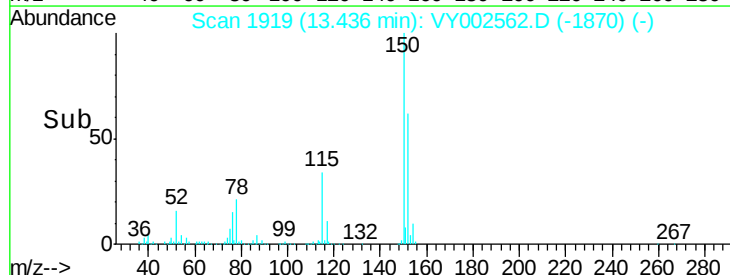
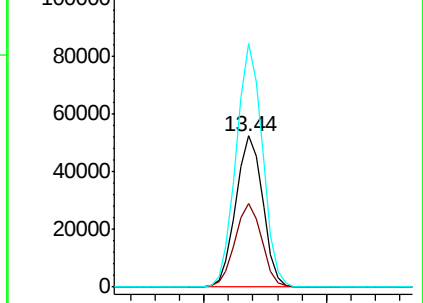
150 157.7 0.0 346.4

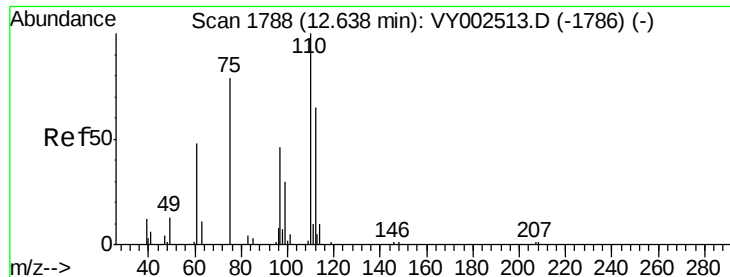


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.082 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

Instrument :

MSVOA_Y

ClientSampleId :

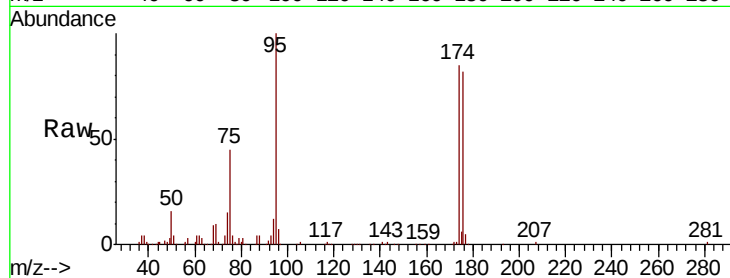
NORTH-AOC14-CAR-WASH

Tot Ion: 75 Resp: 35623

Ion Ratio Lower Upper

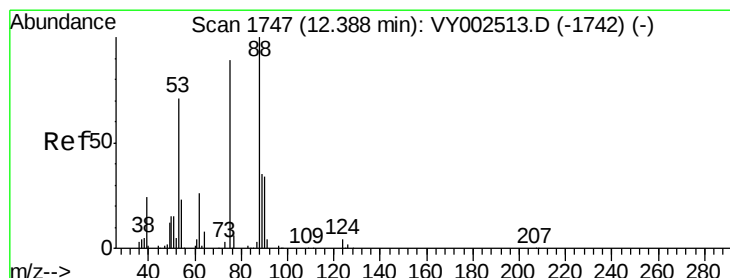
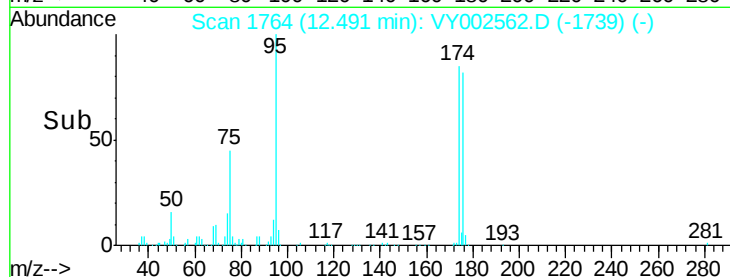
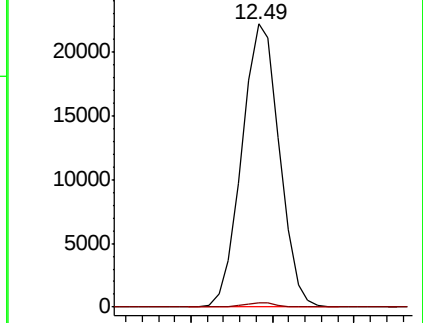
75 100

77 1.4 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: 100.425 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002562.D

Acq: 05 May 2020 00:28

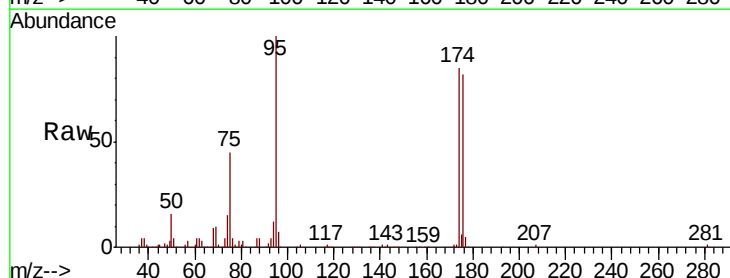
Tgt Ion: 75 Resp: 35623

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

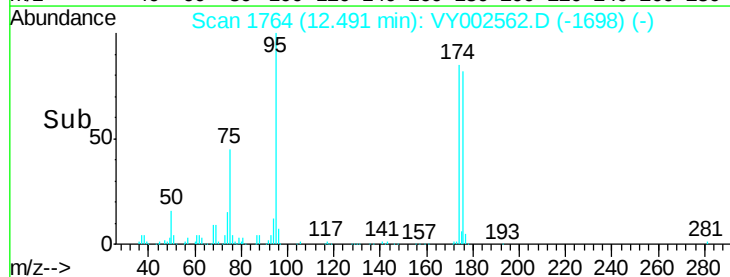
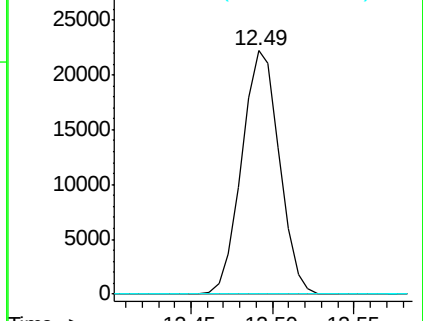
89 0.0 37.4 56.0#

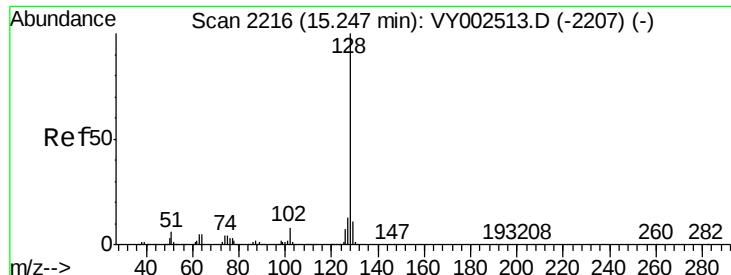


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

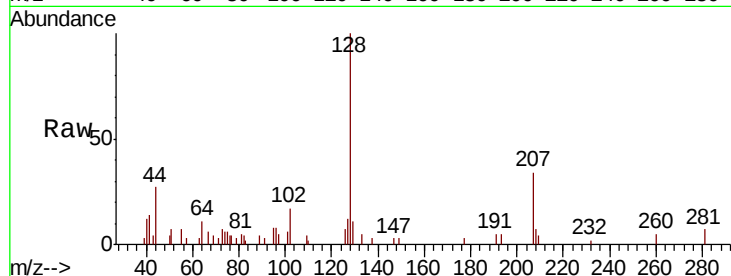




#95
Naphthalene
Concen: 1.278 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002562.D
Acq: 05 May 2020 00:28

Instrument :
MSVOA_Y
ClientSampleId :
NORTH-AOC14-CAR-WASH

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	12.2	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

