

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012920\
 Data File : VY001419.D
 Acq On : 29 Jan 2020 15:15
 Operator : SY/MD
 Sample : L1307-04
 Misc : 6.25G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-SOUTH-SIDE

Quant Time: Jan 29 15:32:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	170372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	307998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	245146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	79818	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	91808	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.75	113	89278	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.20	98	357815	50.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.49	95	100660	35.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.98%	

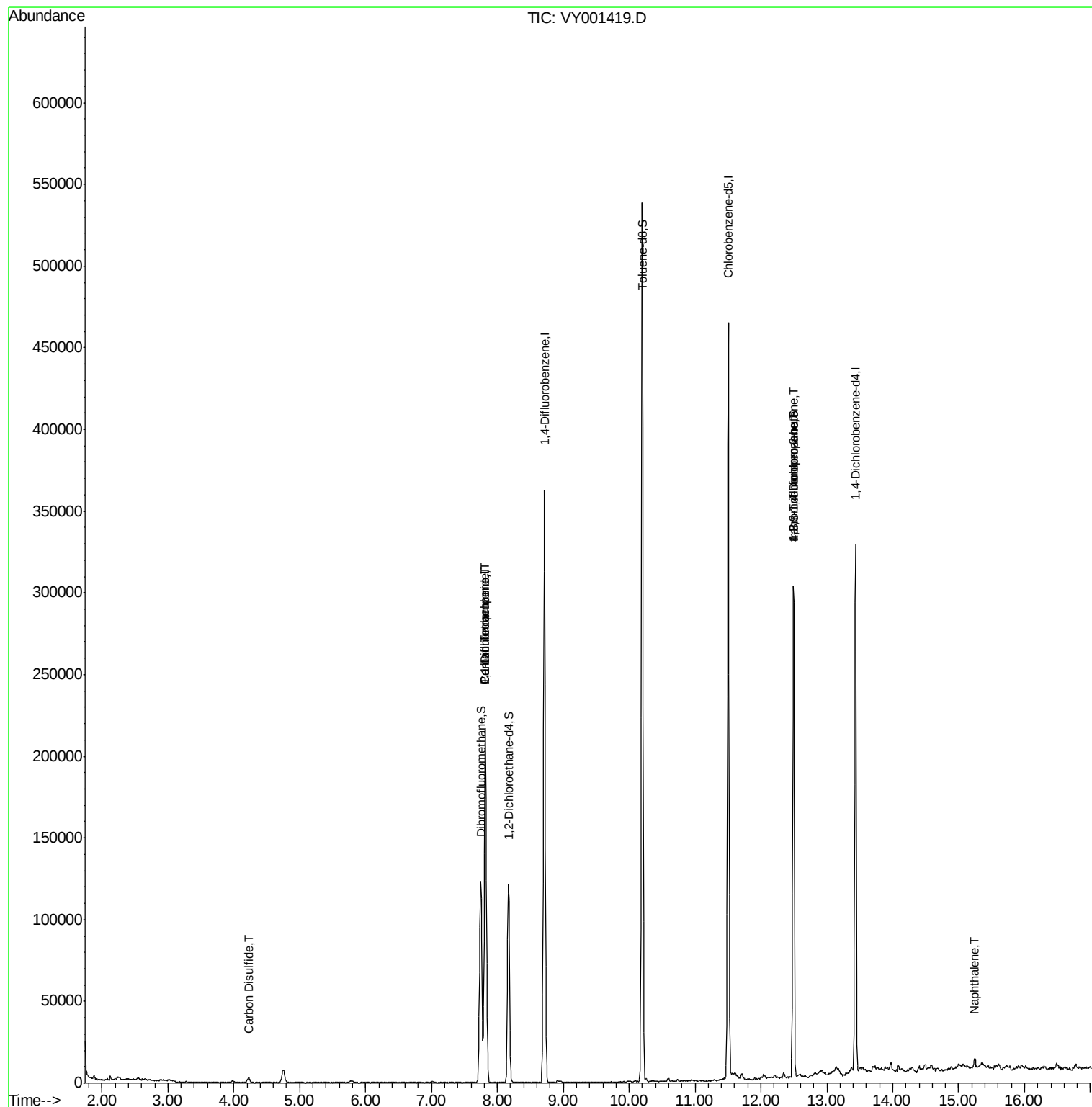
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	147	Below Cal	#	74
13) Acrolein	3.55	56	41	Below Cal	#	15
16) Acetone	3.97	43	2055	Below Cal		97
17) Carbon Disulfide	4.22	76	6200	1.09	ug/l #	92
20) Methylene Chloride	4.75	84	5772	Below Cal	#	92
36) 1,1-Dichloropropene	7.82	75	13742	4.72	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16857	6.50	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	49437	51.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49437	97.27	ug/l #	14
95) Naphthalene	15.25	128	4815	1.27	ug/l #	90

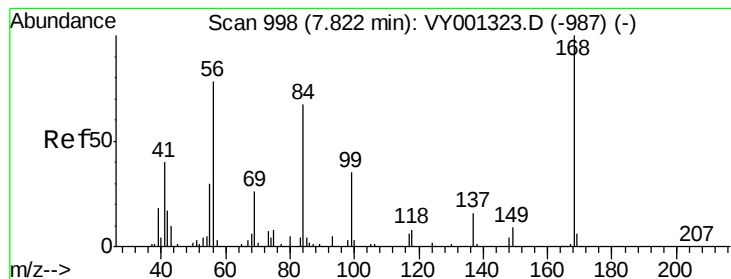
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

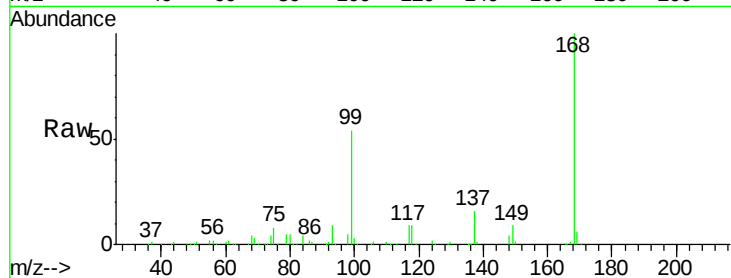
SP-SOUTH-SIDE

Tgt Ion:168 Resp: 170372

Ion Ratio Lower Upper

168 100

99 54.5 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001419.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001419.D (-949) (-)

7.82

80000

60000

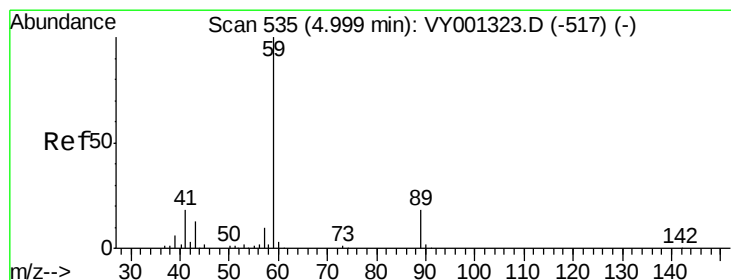
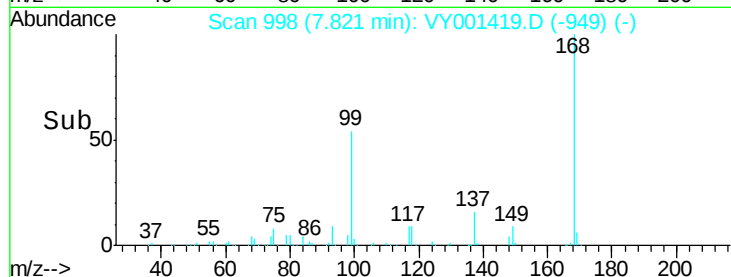
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.04 min

Lab File: VY001419.D

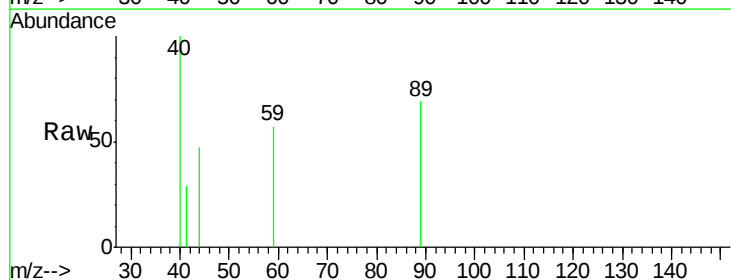
Acq: 29 Jan 2020 15:15

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001419.D (-486) (-)

Ion 57.00 (56.70 to 57.70): VY001419.D (-486) (-)

4.96

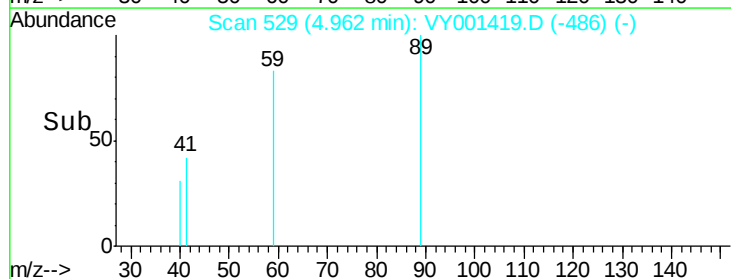
100

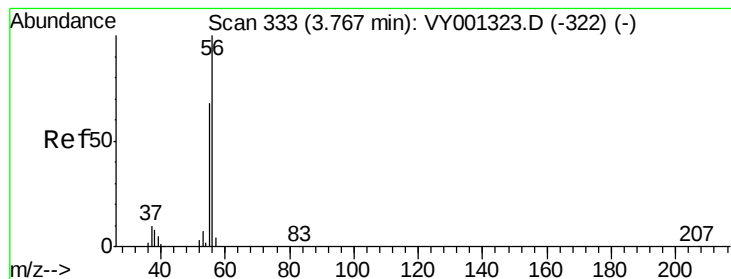
50

0

Time-->

4.94 4.96 4.98





#13

Acrolein

Concen: Below Cal

RT: 3.55 min Scan# 298

Delta R.T. -0.21 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

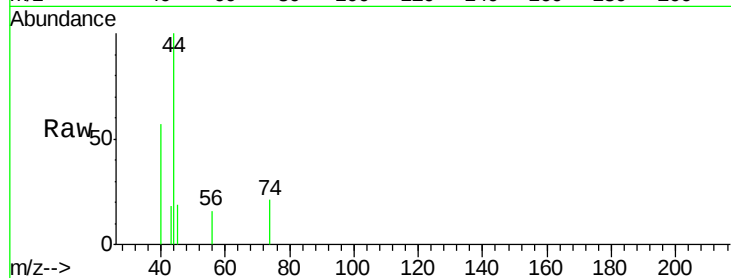
SP-SOUTH-SIDE

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

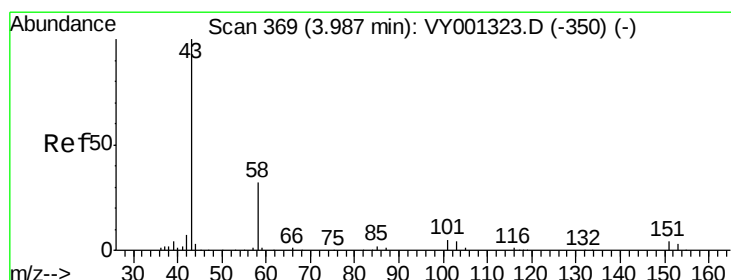
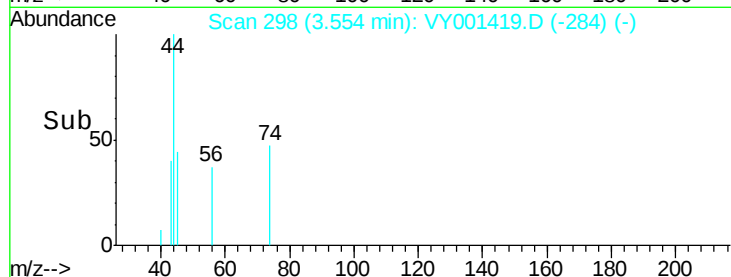
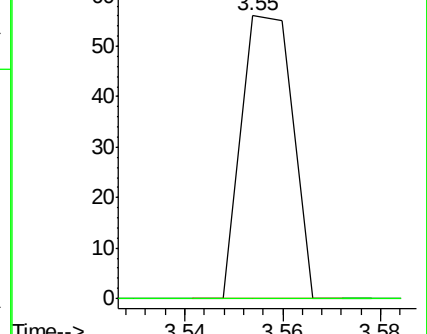
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: Below Cal

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001419.D

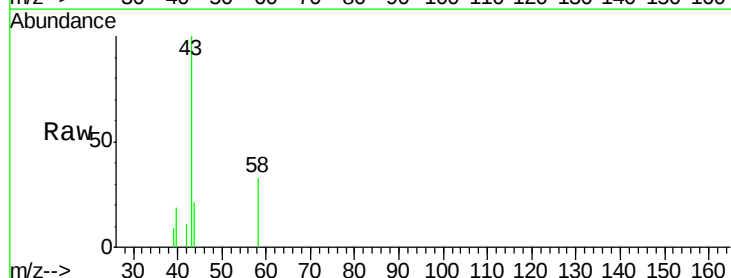
Acq: 29 Jan 2020 15:15

Tgt Ion: 43 Resp: 2055

Ion Ratio Lower Upper

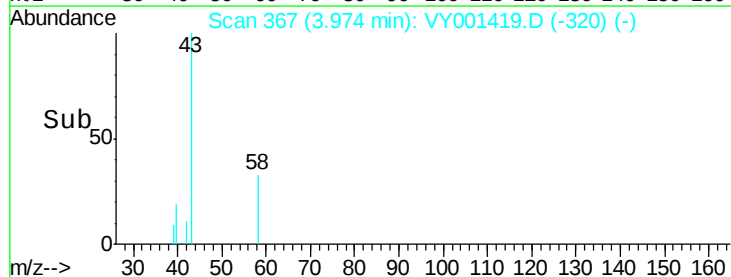
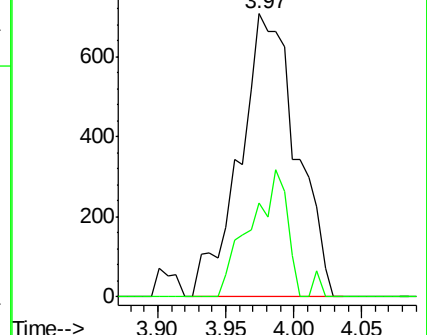
43 100

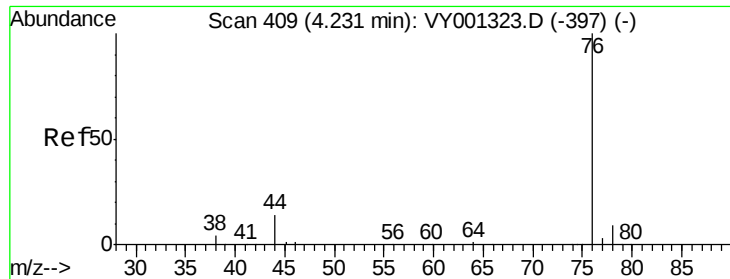
58 33.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 1.09 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

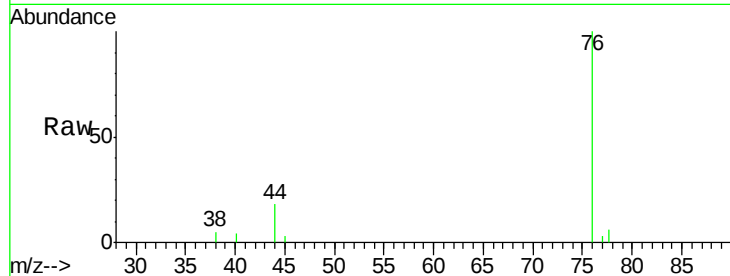
SP-SOUTH-SIDE

Tgt Ion: 76 Resp: 6200

Ion Ratio Lower Upper

76 100

78 6.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

2500

2000

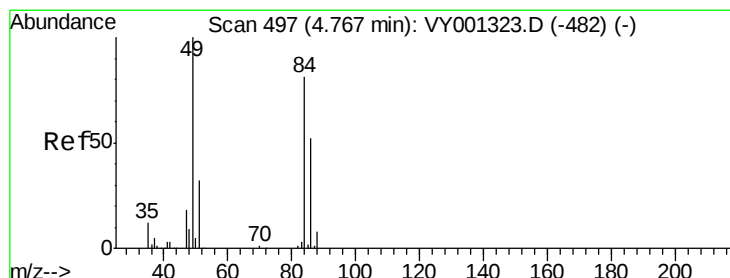
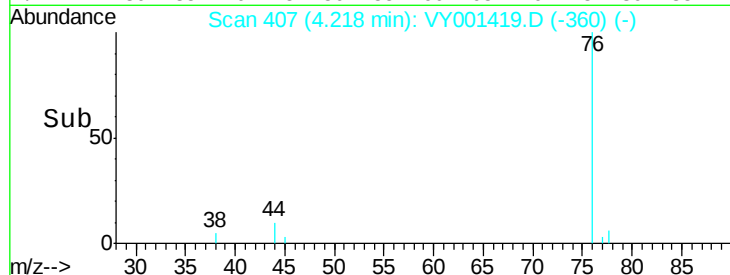
1500

1000

500

0

Time--> 4.10 4.15 4.20 4.25 4.30



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 494

Delta R.T. -0.02 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Tgt Ion: 84 Resp: 5772

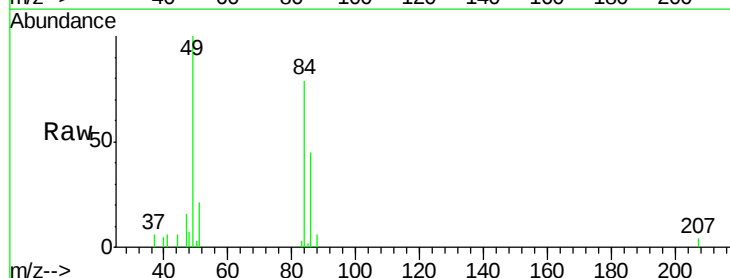
Ion Ratio Lower Upper

84 100

49 126.4 98.3 147.5

51 26.8 31.6 47.4#

86 56.3 51.1 76.7



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

4000

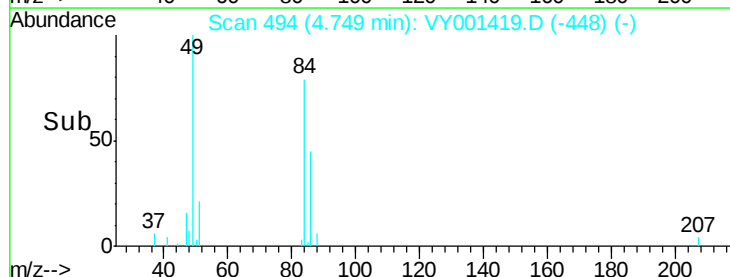
3000

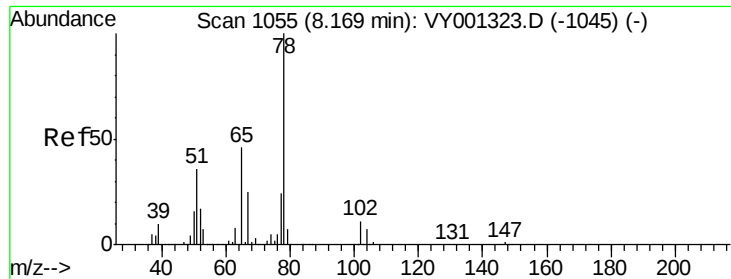
2000

1000

0

Time--> 4.65 4.70 4.75 4.80 4.85

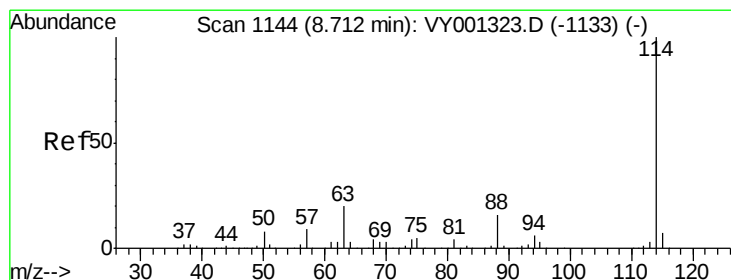
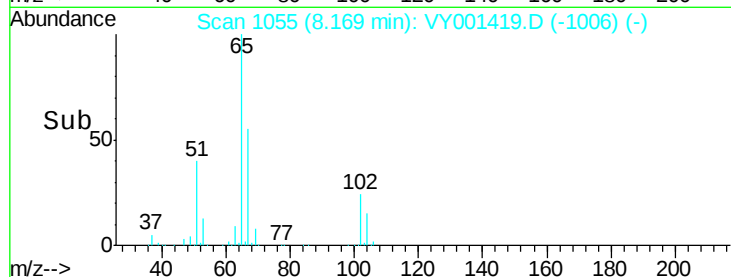
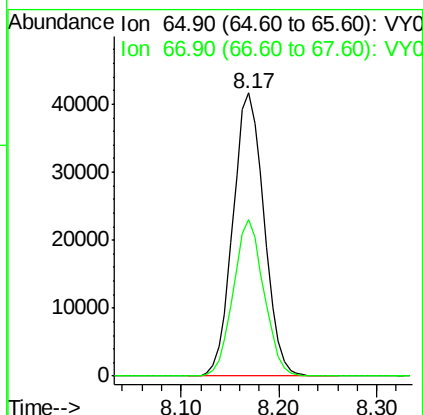
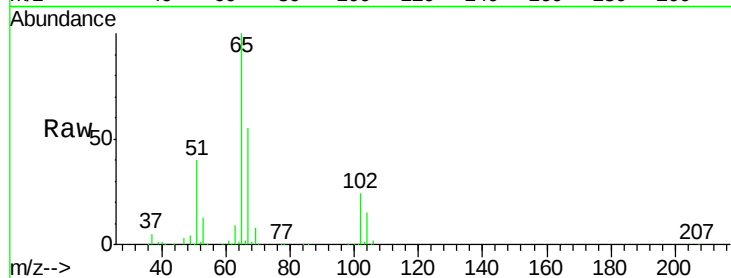




#33
 1,2-Dichloroethane-d4
 Concen: 49.52 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001419.D
 Acq: 29 Jan 2020 15:15

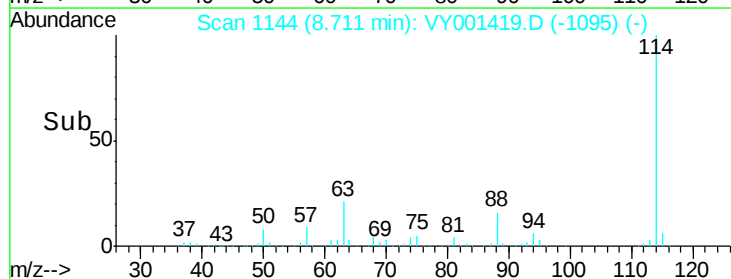
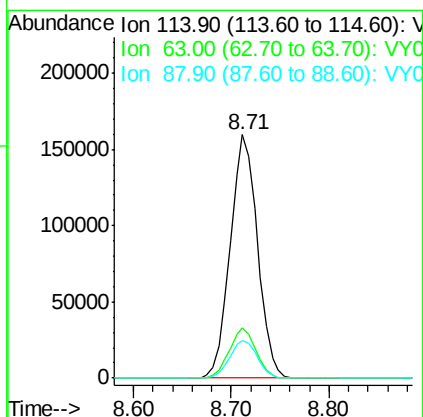
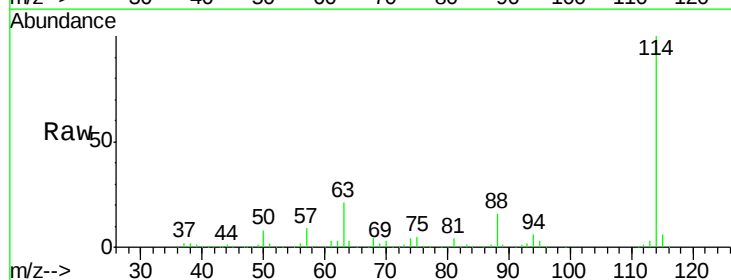
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-SOUTH-SIDE

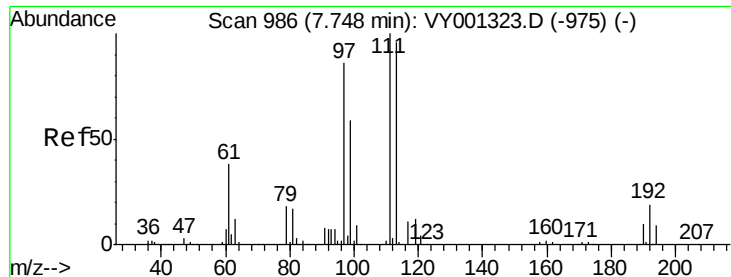
Tgt Ion: 65 Resp: 91808
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001419.D
 Acq: 29 Jan 2020 15:15

Tgt Ion: 114 Resp: 307998
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 15.5 0.0 31.0

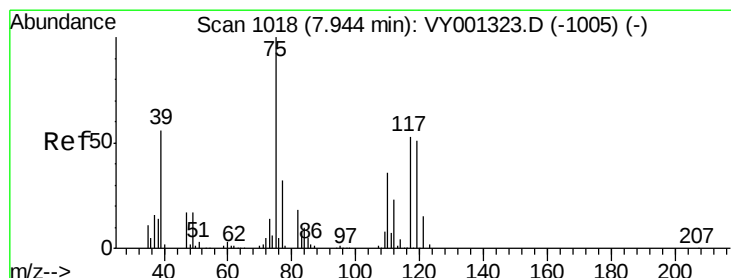
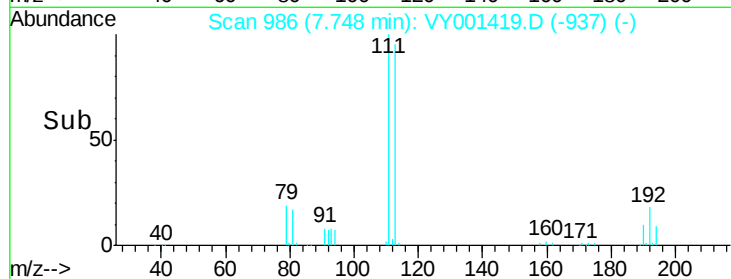
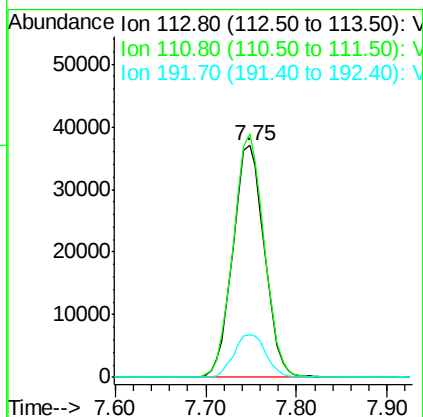
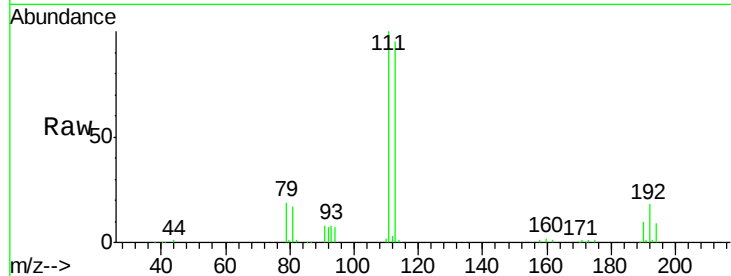




#35
 Dibromofluoromethane
 Concen: 49.39 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001419.D
 Acq: 29 Jan 2020 15:15

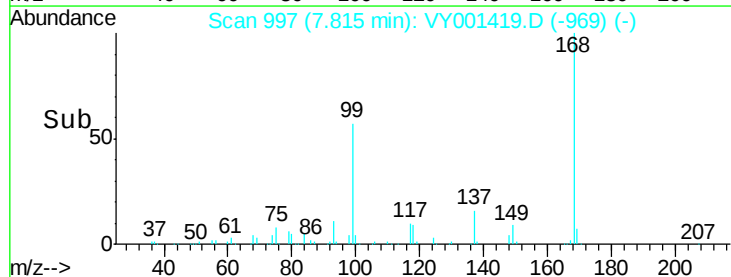
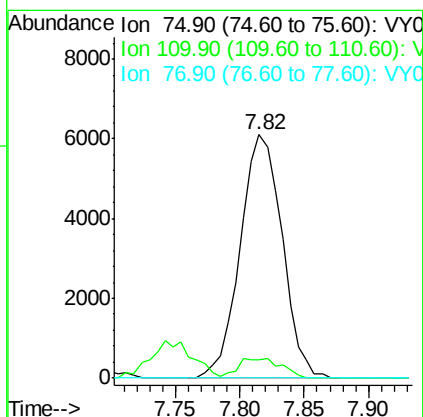
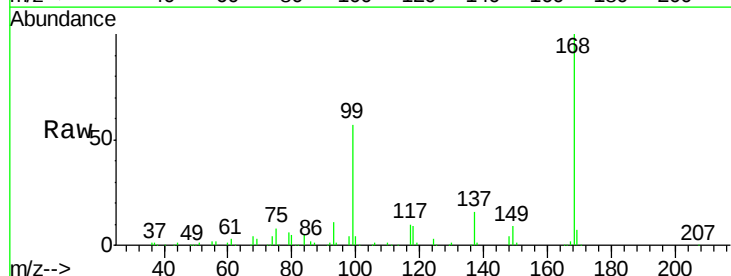
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-SOUTH-SIDE

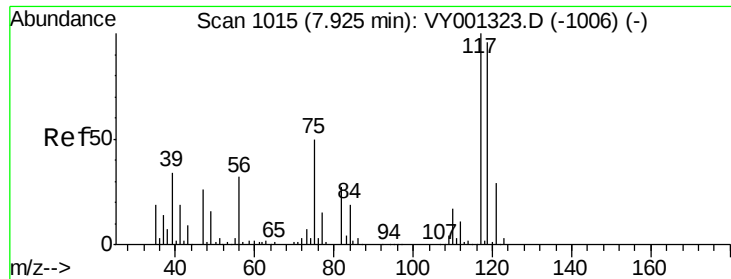
Tgt Ion:113 Resp: 89278
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.8 124.2
 192 19.0 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001419.D
 Acq: 29 Jan 2020 15:15

Tgt Ion: 75 Resp: 13742
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.6 52.8#
 77 0.0 24.7 37.1#

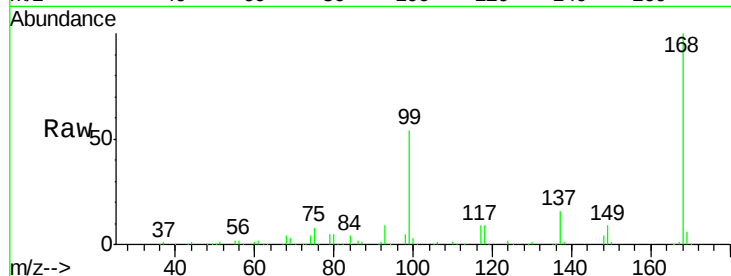




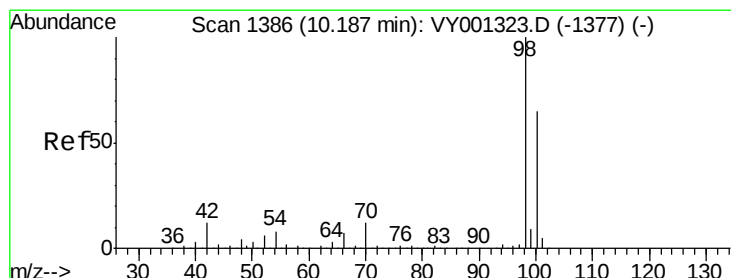
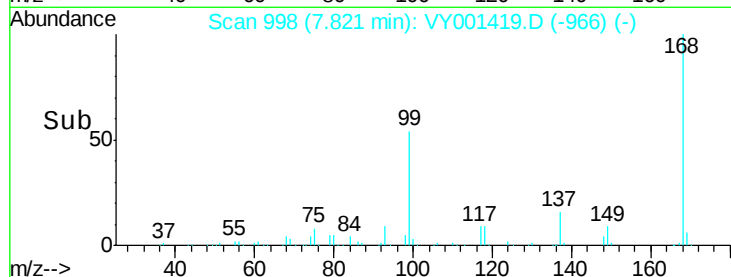
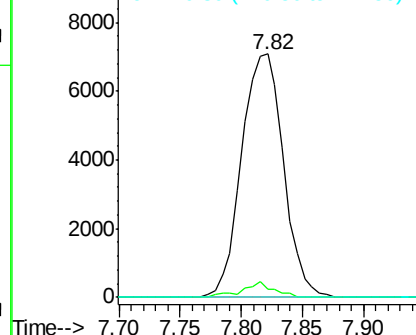
#38
Carbon Tetrachloride
Concen: 6.50 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001419.D
Acq: 29 Jan 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
SP-SOUTH-SIDE

Tgt Ion: 117 Resp: 16857
Ion Ratio Lower Upper
117 100
119 3.5 76.3 114.5#
121 0.0 23.5 35.3#

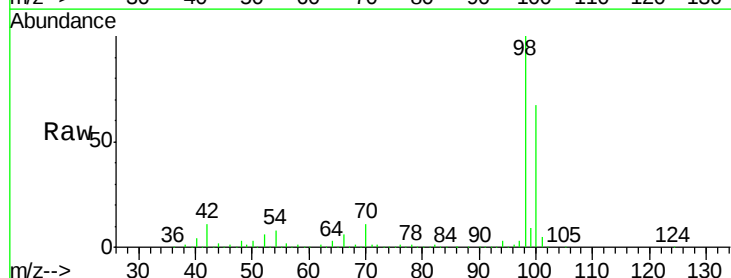


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

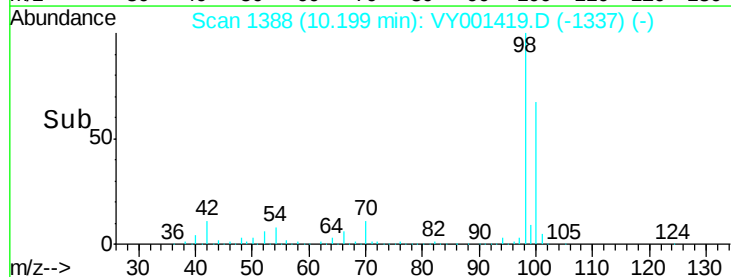
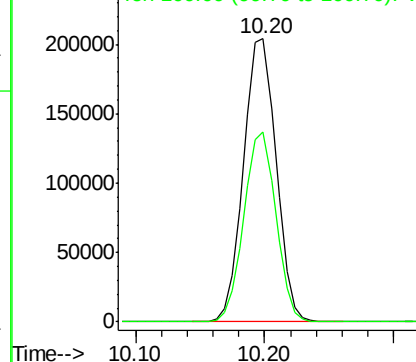


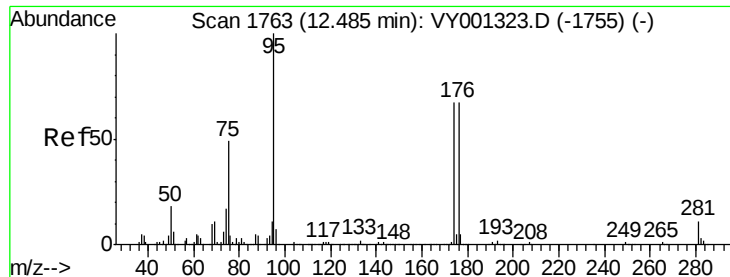
#50
Toluene-d8
Concen: 50.95 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001419.D
Acq: 29 Jan 2020 15:15

Tgt Ion: 98 Resp: 357815
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0



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

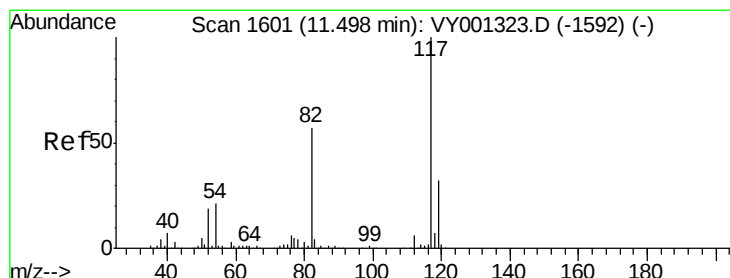
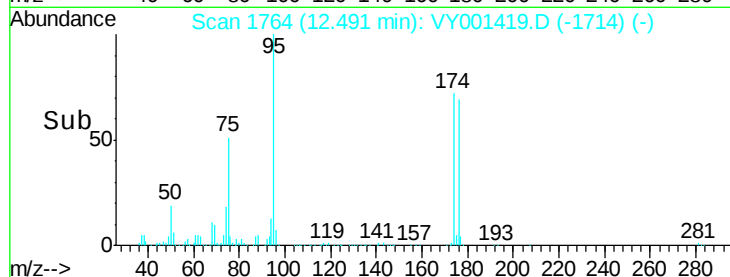
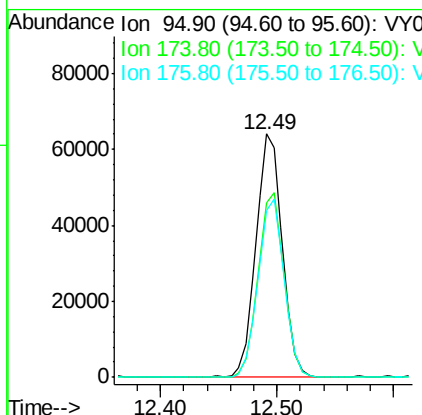
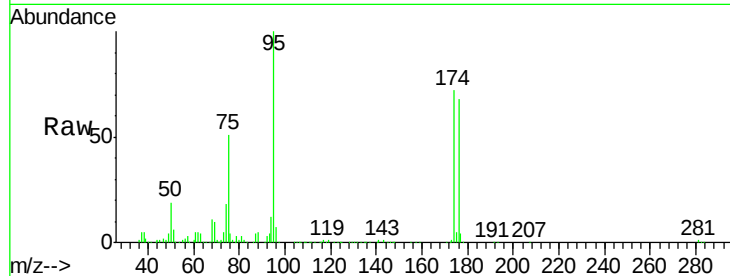




#62
4-Bromofluorobenzene
Concen: 35.99 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001419.D
Acq: 29 Jan 2020 15:15

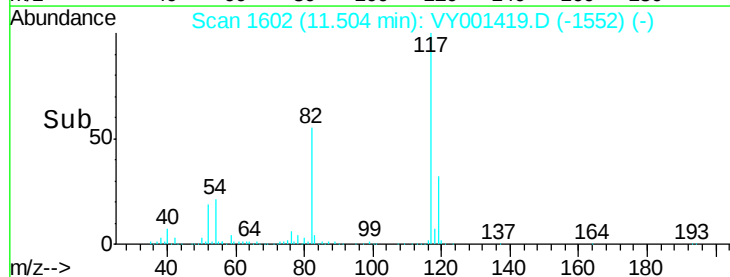
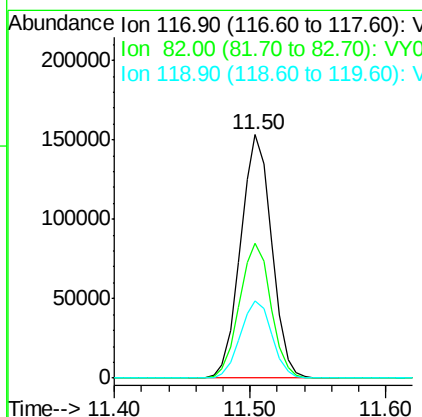
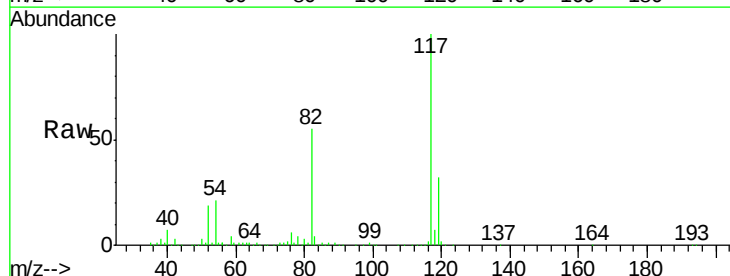
Instrument :
MSVOA_Y
ClientSampleId :
SP-SOUTH-SIDE

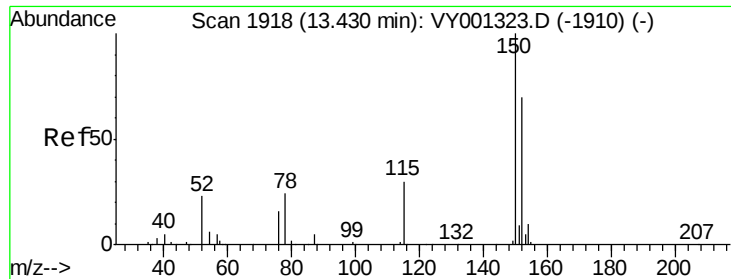
Tgt Ion: 95 Resp: 100660
Ion Ratio Lower Upper
95 100
174 75.5 0.0 142.0
176 73.1 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001419.D
Acq: 29 Jan 2020 15:15

Tgt Ion: 117 Resp: 245146
Ion Ratio Lower Upper
117 100
82 55.2 45.5 68.3
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

SP-SOUTH-SIDE

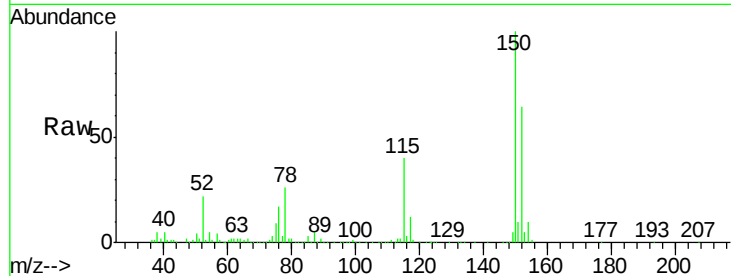
Tgt Ion:152 Resp: 79818

Ion Ratio Lower Upper

152 100

115 60.5 30.9 92.8

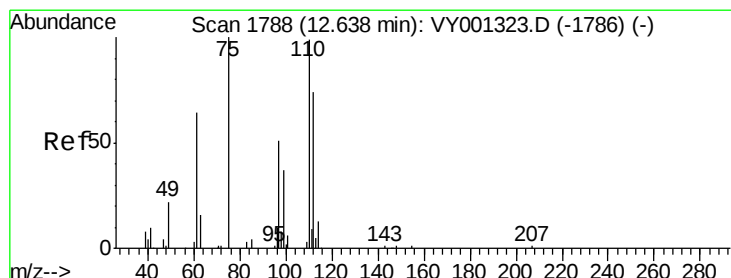
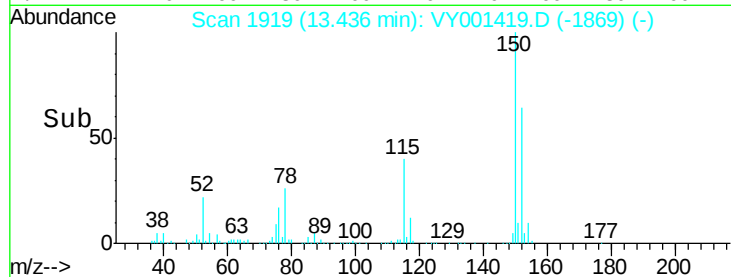
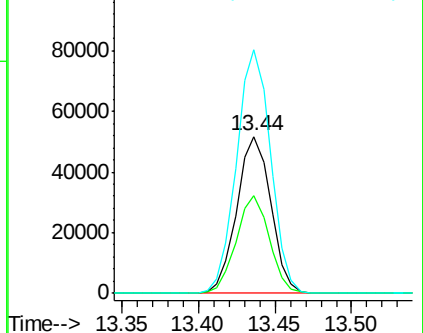
150 155.7 0.0 349.2



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: 51.40 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001419.D

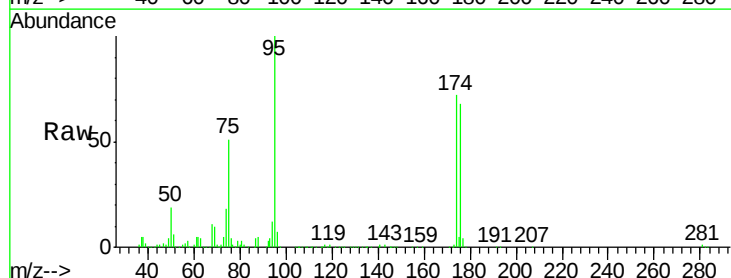
Acq: 29 Jan 2020 15:15

Tgt Ion: 75 Resp: 49437

Ion Ratio Lower Upper

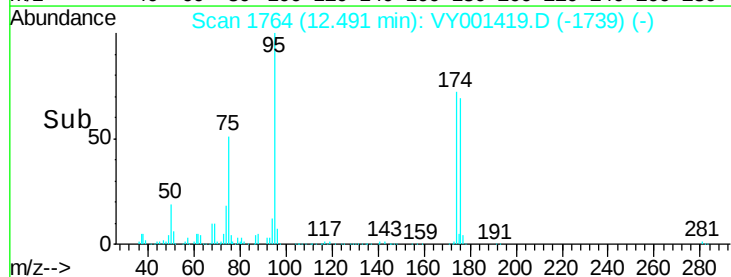
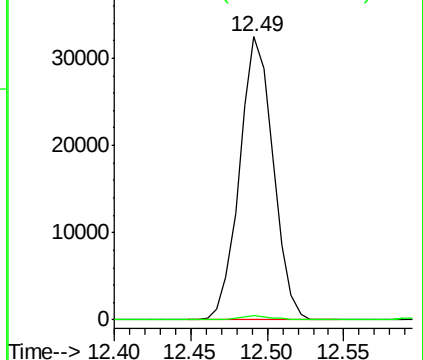
75 100

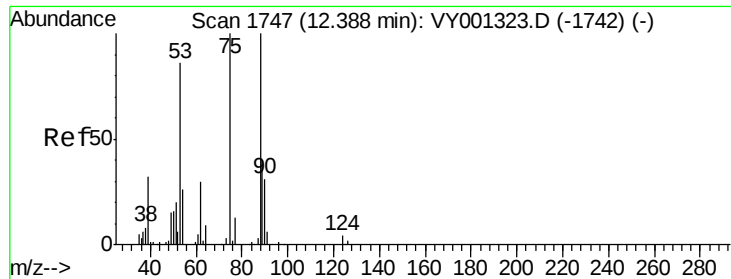
77 1.5 0.0 0.0#



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: 97.27 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

SP-SOUTH-SIDE

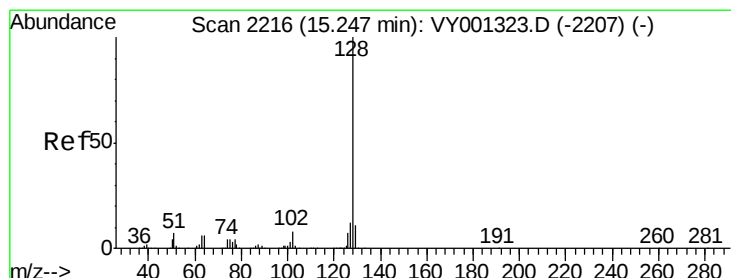
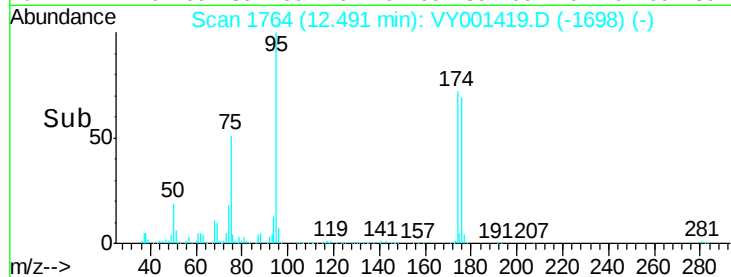
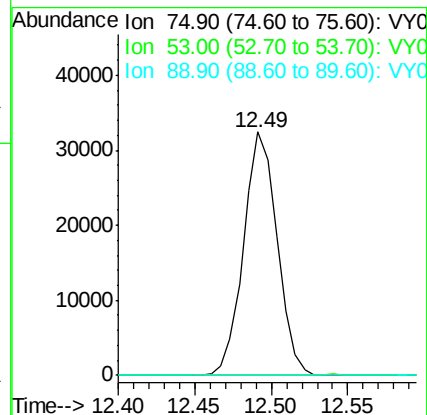
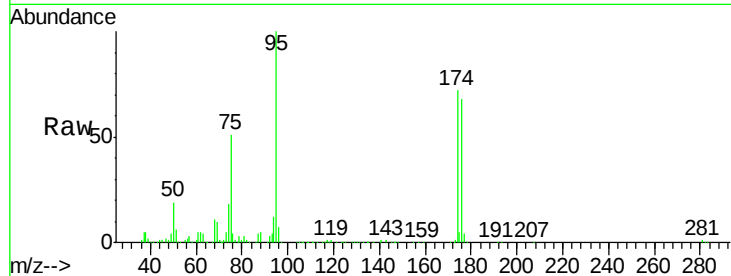
Tgt Ion: 75 Resp: 49437

Ion Ratio Lower Upper

75 100

53 0.1 69.9 104.9#

89 0.1 36.6 54.8#



#95

Naphthalene

Concen: 1.27 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001419.D

Acq: 29 Jan 2020 15:15

Tgt Ion: 128 Resp: 4815

Ion Ratio Lower Upper

128 100

127 15.9 10.2 15.2#

129 15.4 8.7 13.1#

