

Data File : VY001521.D
Acq On : 05 Feb 2020 20:31
Operator : SY/MD
Sample : L1408-04
Misc : 4.78G/5ML/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SHORE-RD-PATH-BH-01-B

Quant Time: Feb 06 07:02:31 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	7.83	168	8047	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	16264	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	16222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	7764	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	6670	82.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	164.64%	
35) Dibromofluoromethane	7.75	113	4966	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.20	98	18637	52.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.50	95	8182	58.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	117.06%	

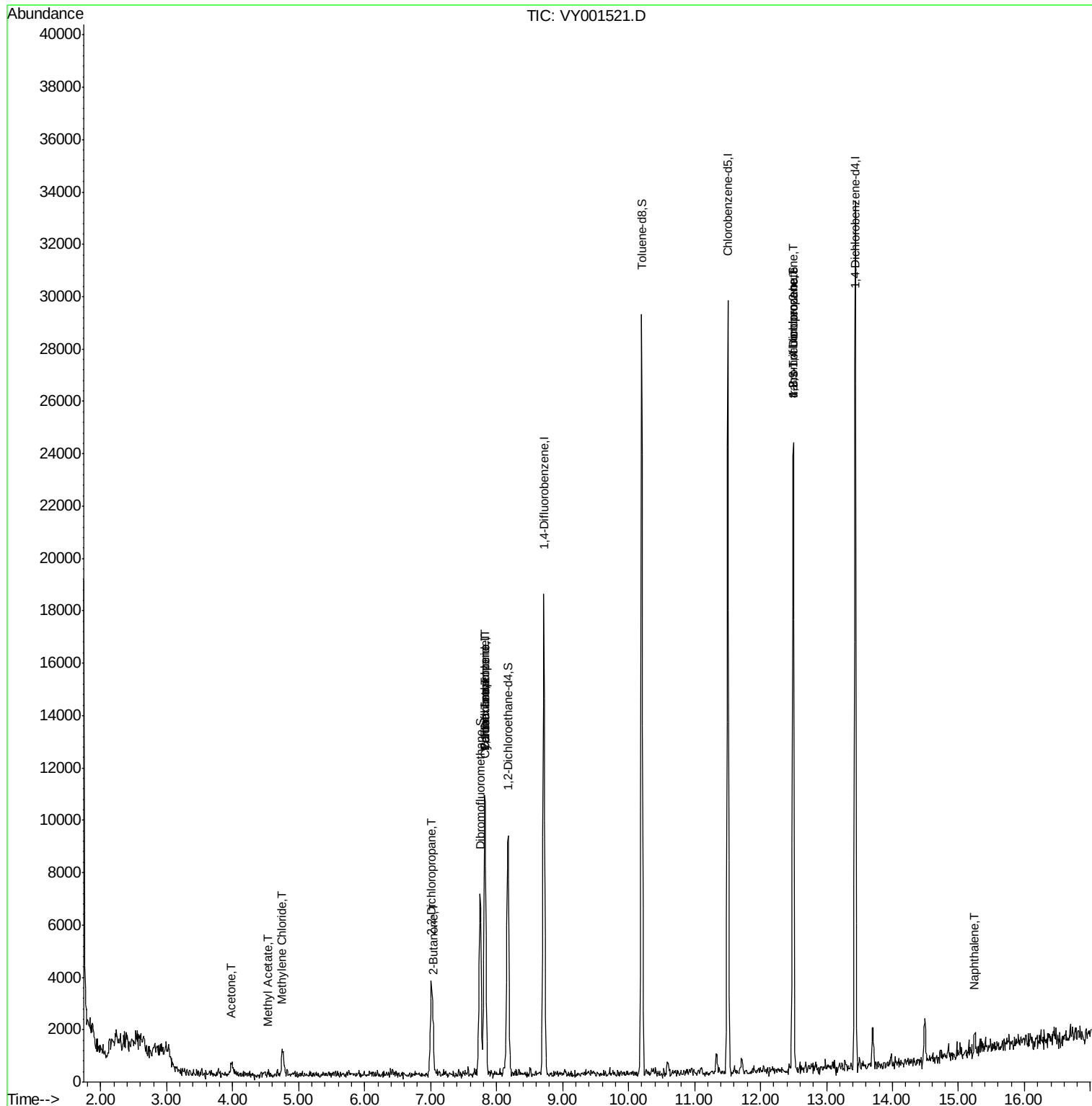
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.97	59	23	Below Cal	#	76
16) Acetone	3.97	43	324	13.825	ug/l	90
18) Methyl Acetate	4.54	43	52	1.040	ug/l #	49
20) Methylene Chloride	4.75	84	722	3.470	ug/l #	74
25) 2-Butanone	7.04	43	123	4.045	ug/l #	45
26) 2,2-Dichloropropane	7.00	77	197	1.335	ug/l #	52
31) Cyclohexane	7.83	56	177	1.122	ug/l #	70
36) 1,1-Dichloropropene	7.83	75	720	4.839	ug/l #	41
38) Carbon Tetrachloride	7.82	117	806	5.599	ug/l #	12
76) 1,2,3-Trichloropropane	12.50	75	4038	48.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	4038	93.579	ug/l #	16
95) Naphthalene	15.24	128	842	2.389	ug/l #	73

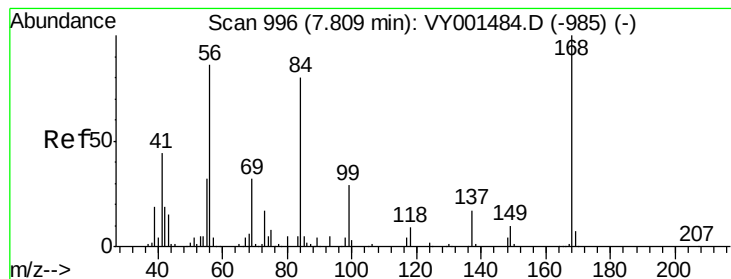
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

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MSVOA_Y

ClientSampleId :

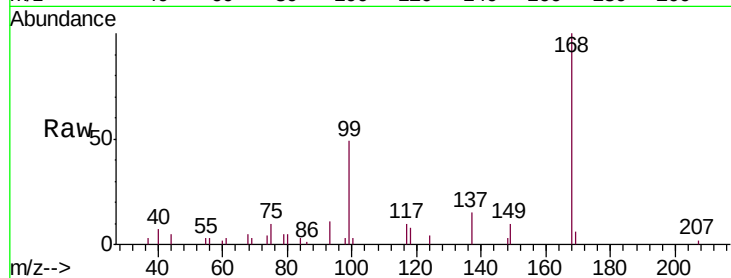
SHORE-RD-PATH-BH-01-B

Tgt Ion: 168 Resp: 8047

Ion Ratio Lower Upper

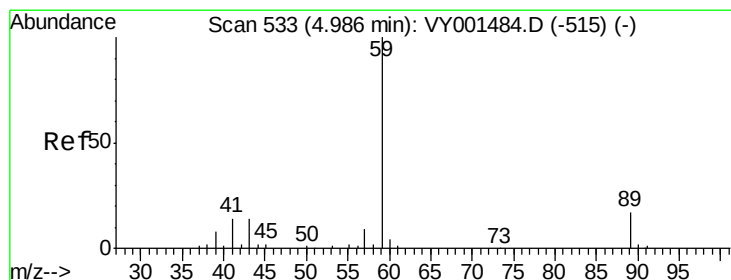
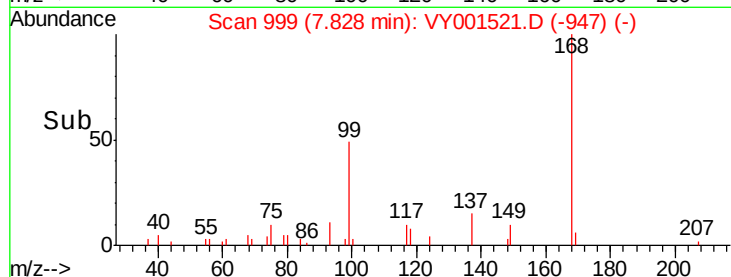
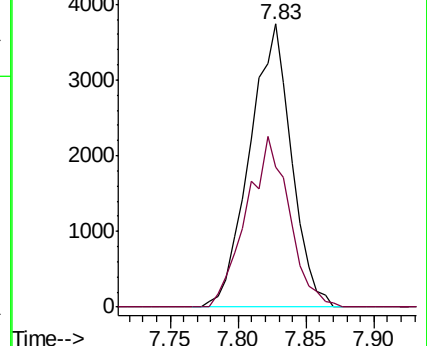
168 100

99 49.5 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001521.D

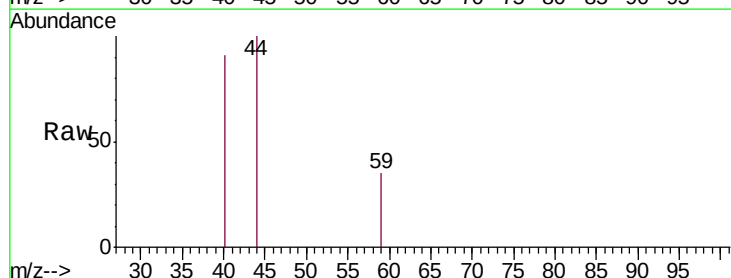
Acq: 05 Feb 2020 20:31

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

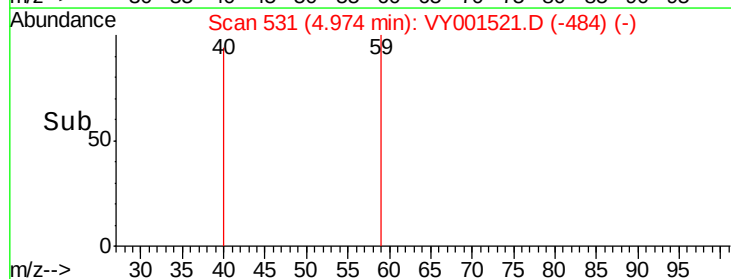
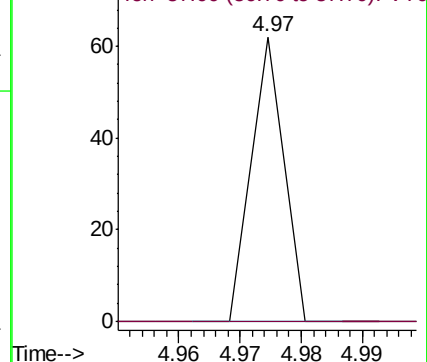
59 100

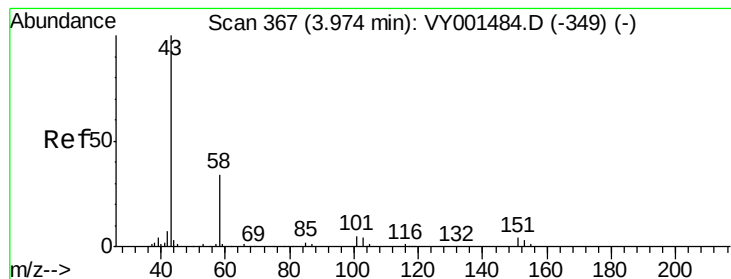
57 0.0 7.0 10.6#



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

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





#16

Acetone

Concen: 13.825 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001521.D

Acq: 05 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

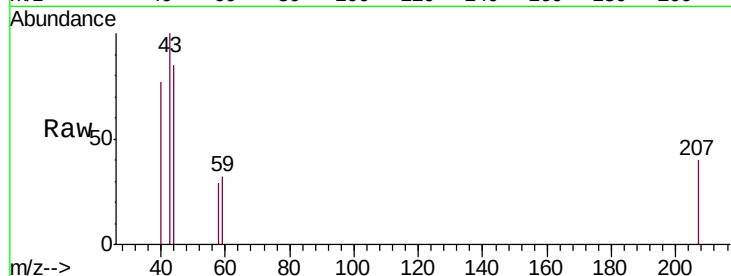
SHORE-RD-PATH-BH-01-B

Tgt Ion: 43 Resp: 324

Ion Ratio Lower Upper

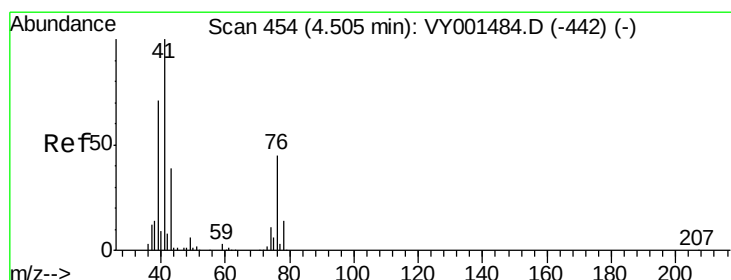
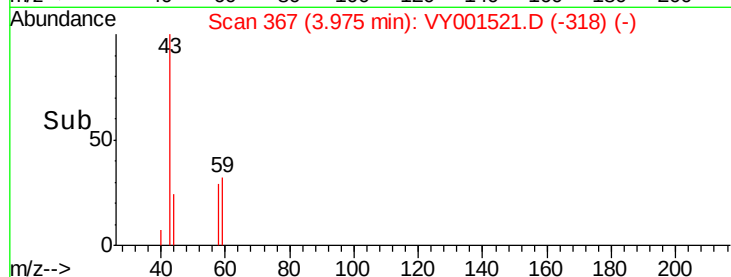
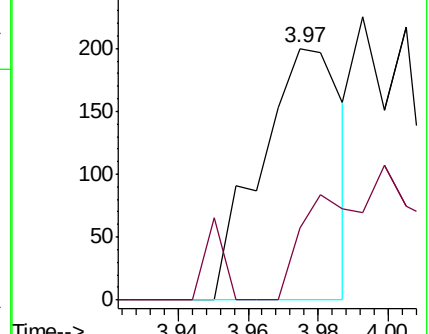
43 100

58 28.5 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.040 ug/l

RT: 4.54 min Scan# 459

Delta R.T. 0.03 min

Lab File: VY001521.D

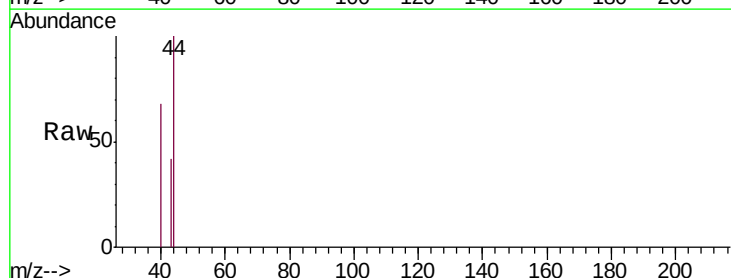
Acq: 05 Feb 2020 20:31

Tgt Ion: 43 Resp: 52

Ion Ratio Lower Upper

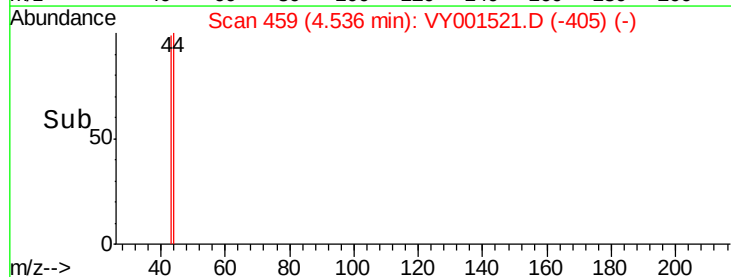
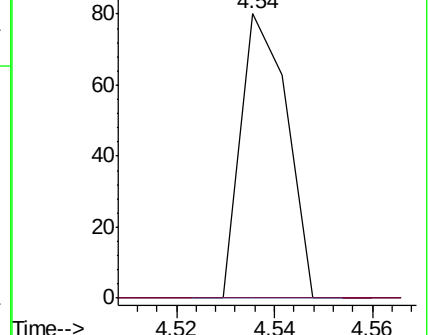
43 100

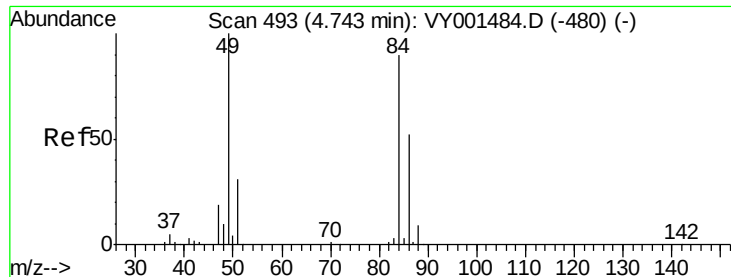
74 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

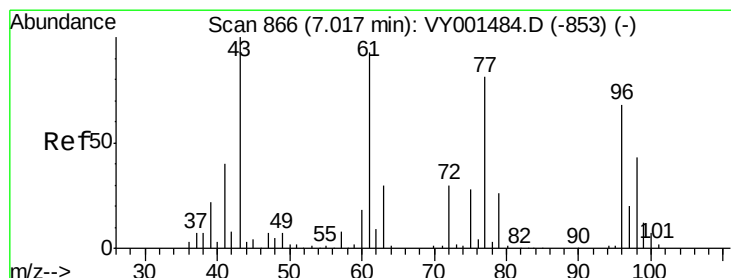
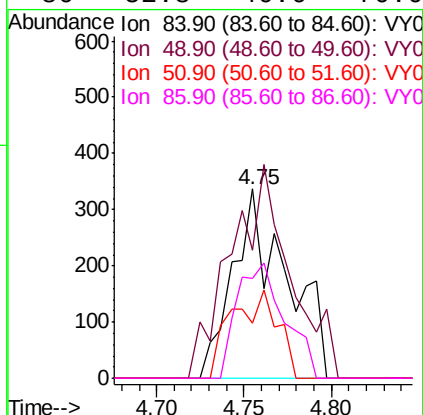
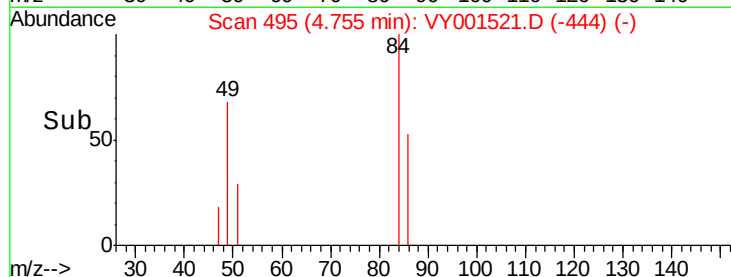
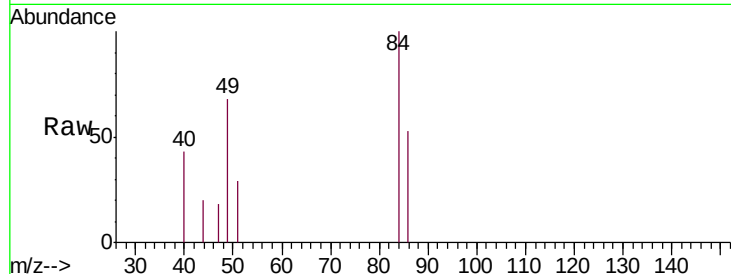




#20
Methylene Chloride
Concen: 3.470 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001521.D
Acq: 05 Feb 2020 20:31

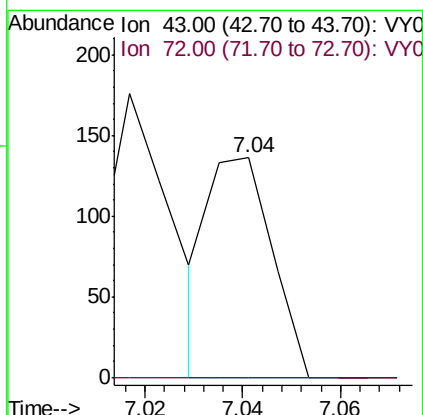
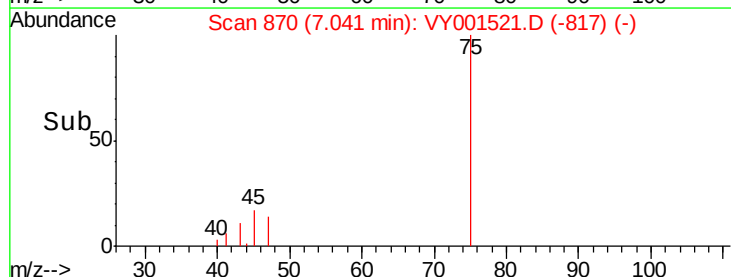
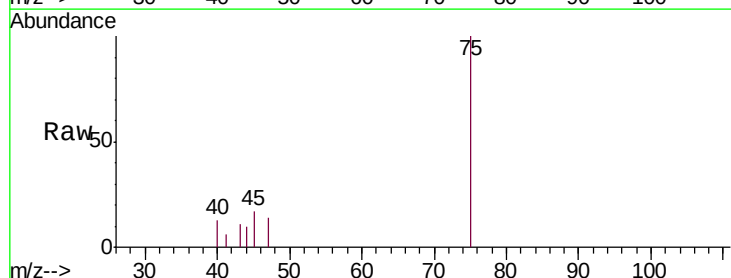
Instrument :
MSVOA_Y
ClientSampleId :
SHORE-RD-PATH-BH-01-B

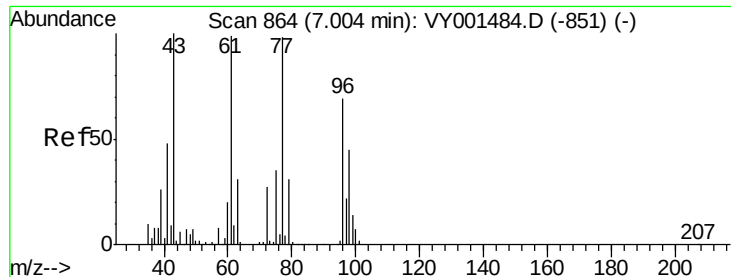
Tgt Ion:	84	Resp:	722
Ion	Ratio	Lower	Upper
84	100		
49	67.7	89.0	133.6#
51	29.1	27.4	41.2
86	52.8	46.6	70.0



#25
2-Butanone
Concen: 4.045 ug/l
RT: 7.04 min Scan# 870
Delta R.T. 0.02 min
Lab File: VY001521.D
Acq: 05 Feb 2020 20:31

Tgt Ion:	43	Resp:	123
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.8#

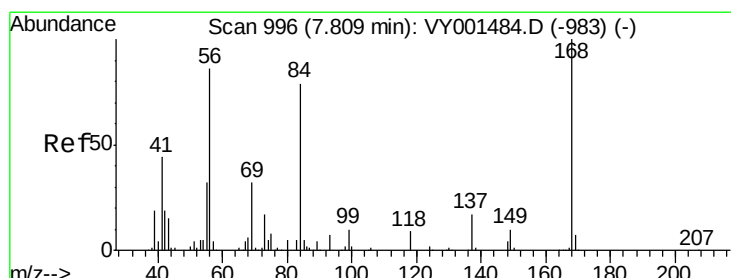
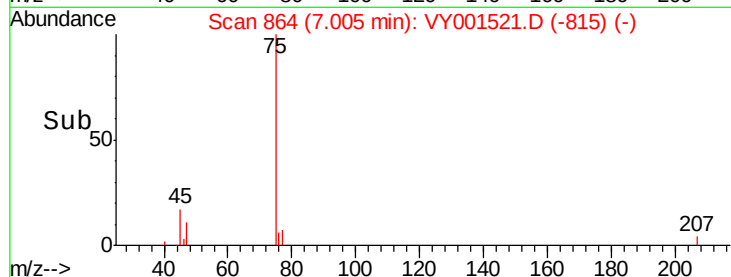
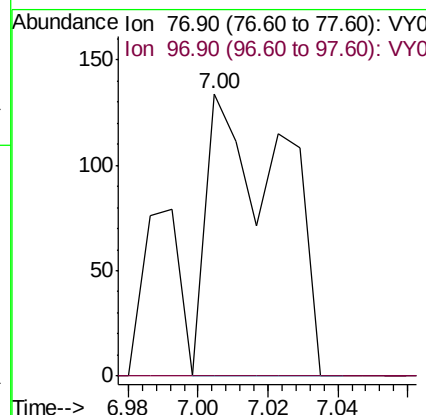
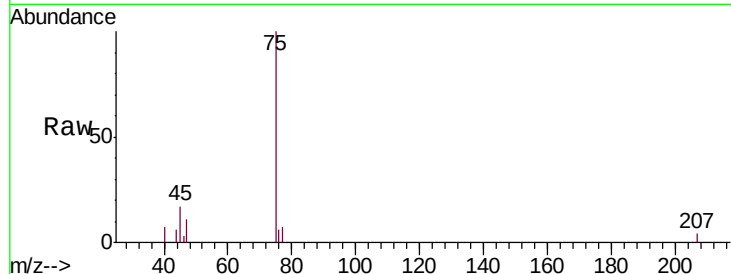




#26
 2,2-Dichloropropane
 Concen: 1.335 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY001521.D
 Acq: 05 Feb 2020 20:31

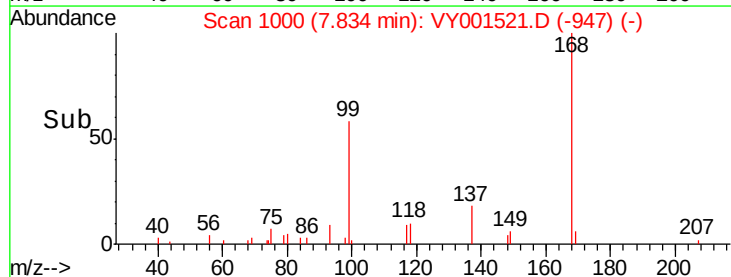
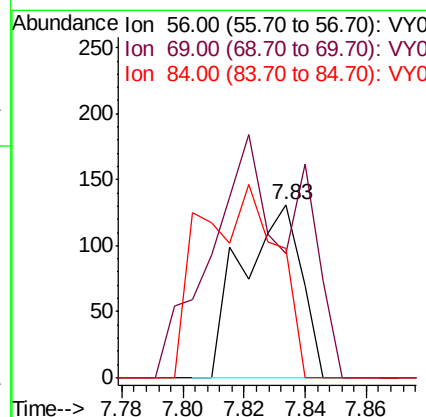
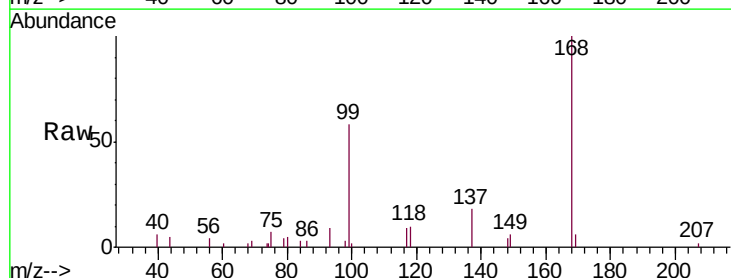
Instrument :
 MSVOA_Y
 ClientSampleId :
 SHORE-RD-PATH-BH-01-B

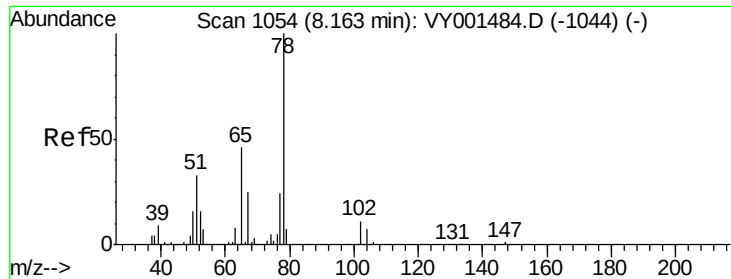
Tgt Ion: 77 Resp: 197
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#31
 Cyclohexane
 Concen: 1.122 ug/l
 RT: 7.83 min Scan# 1000
 Delta R.T. 0.02 min
 Lab File: VY001521.D
 Acq: 05 Feb 2020 20:31

Tgt Ion: 56 Resp: 177
 Ion Ratio Lower Upper
 56 100
 69 71.8 29.6 44.4#
 84 74.8 73.6 110.4

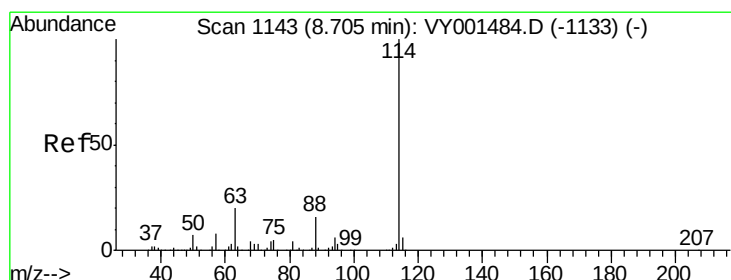
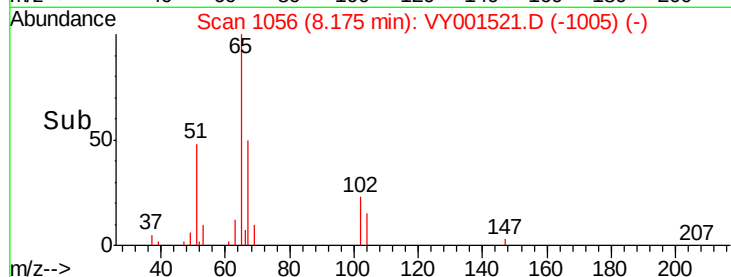
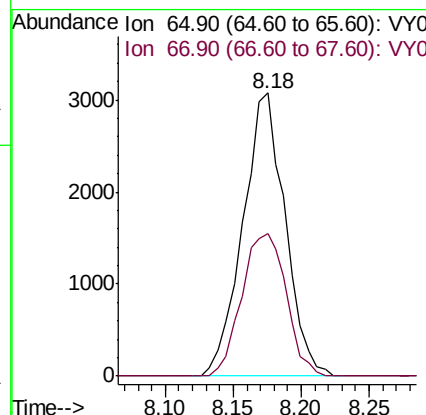
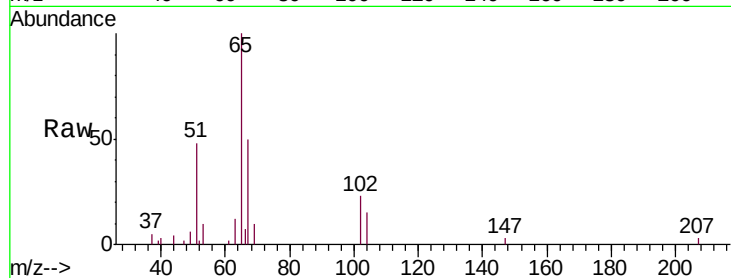




#33
 1,2-Dichloroethane-d4
 Concen: 82.324 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001521.D
 Acq: 05 Feb 2020 20:31

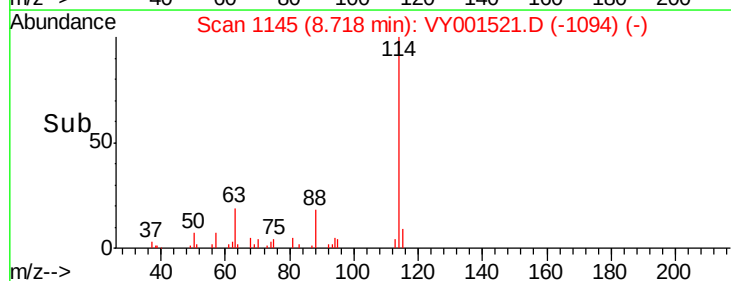
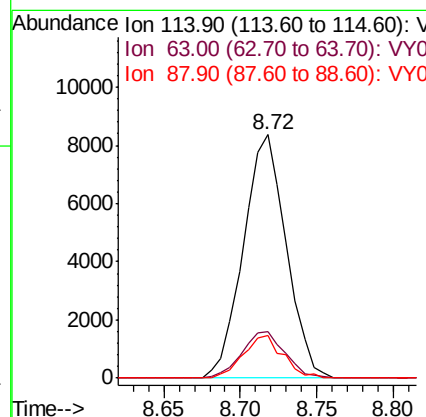
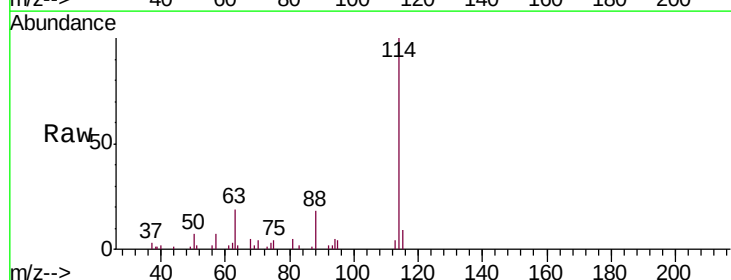
Instrument :
 MSVOA_Y
 ClientSampleId :
 SHORE-RD-PATH-BH-01-B

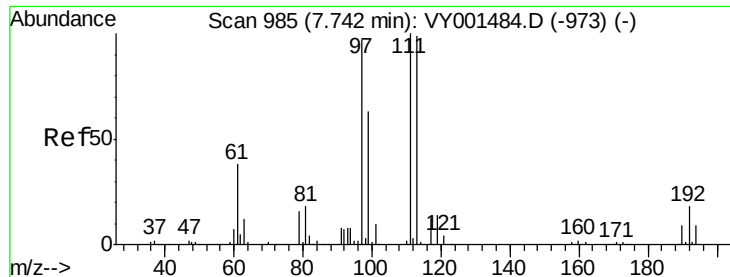
Tgt Ion: 65 Resp: 6670
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001521.D
 Acq: 05 Feb 2020 20:31

Tgt Ion: 114 Resp: 16264
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.8
 88 17.5 0.0 32.6

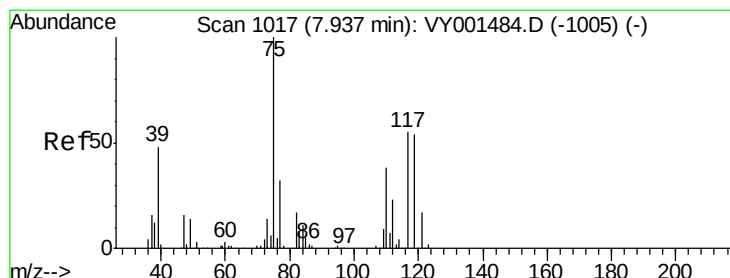
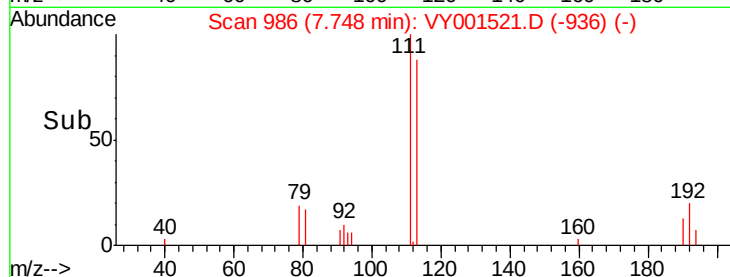
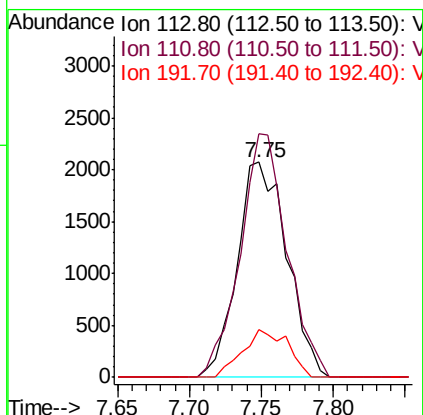
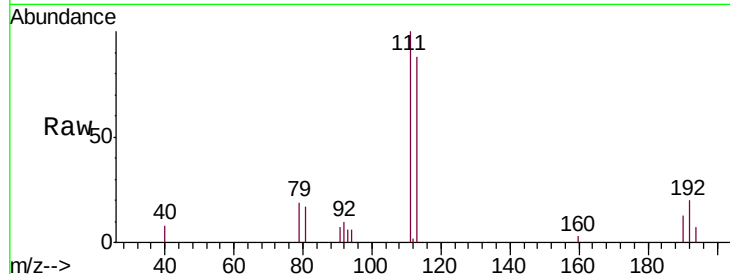




#35
 Dibromofluoromethane
 Concen: 52.950 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001521.D
 Acq: 05 Feb 2020 20:31

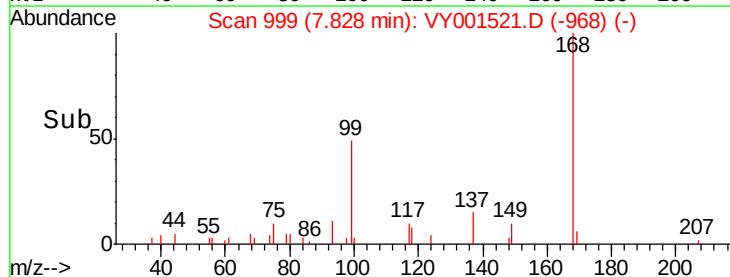
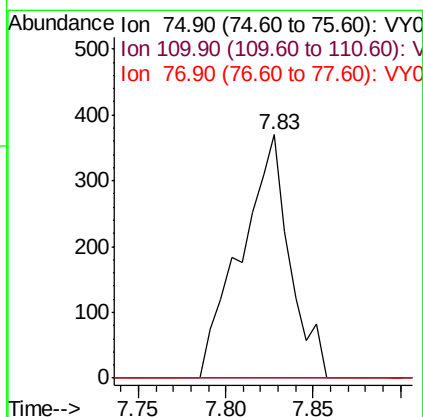
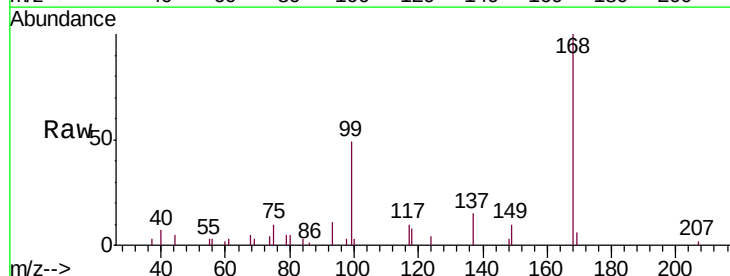
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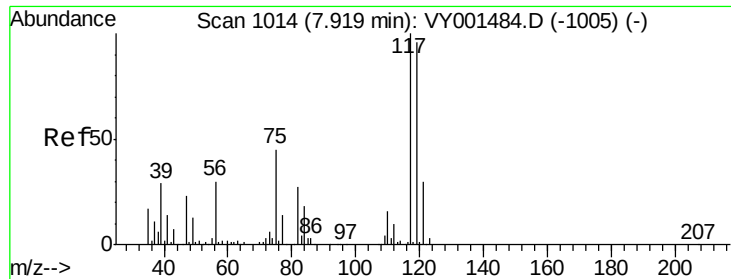
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.8	82.9	124.3
192	20.1	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001521.D
 Acq: 05 Feb 2020 20:31

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

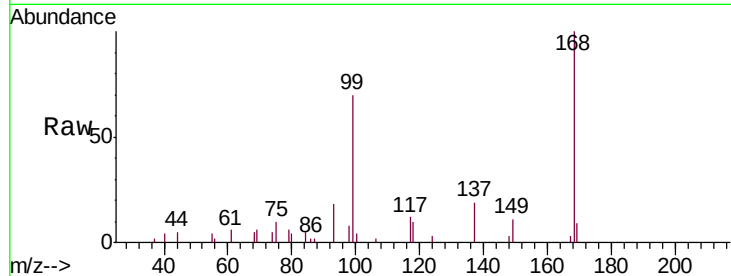




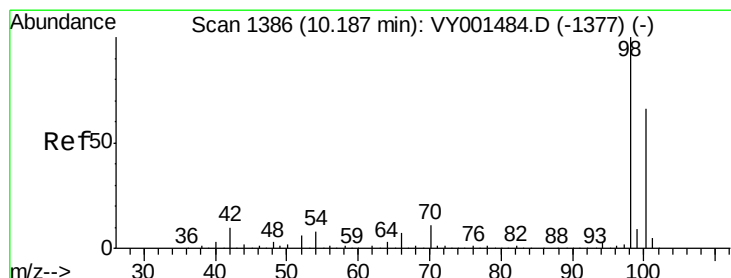
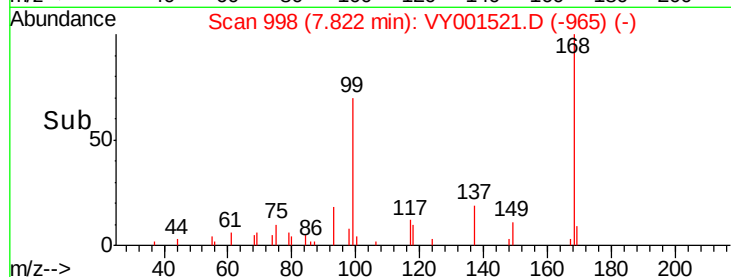
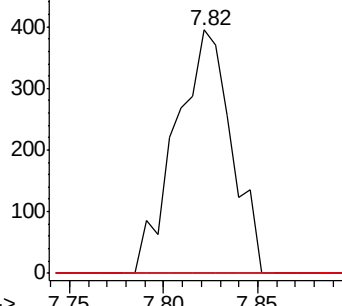
#38
Carbon Tetrachloride
Concen: 5.599 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001521.D
Acq: 05 Feb 2020 20:31

Instrument :
MSVOA_Y
ClientSampleId :
SHORE-RD-PATH-BH-01-B

Tgt Ion: 117 Resp: 806
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 24.2 36.4#

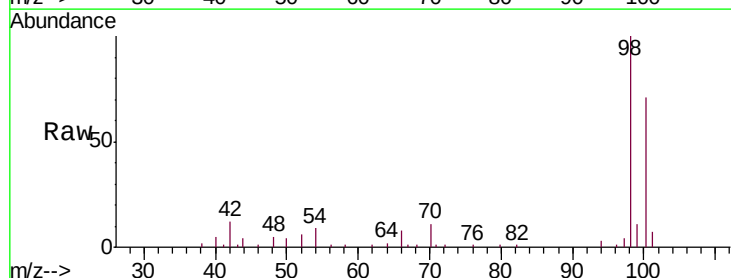


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

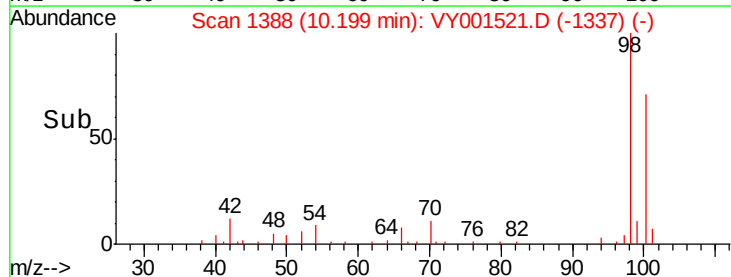
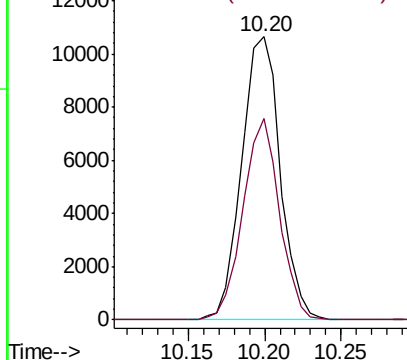


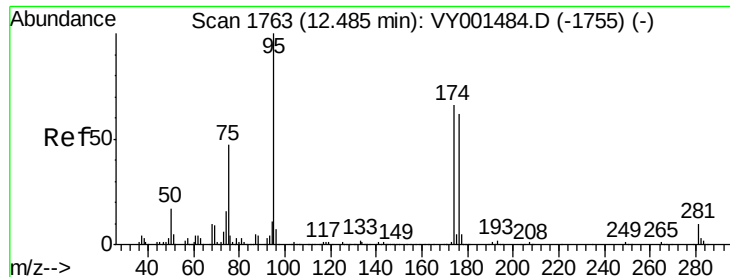
#50
Toluene-d8
Concen: 52.523 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001521.D
Acq: 05 Feb 2020 20:31

Tgt Ion: 98 Resp: 18637
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



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

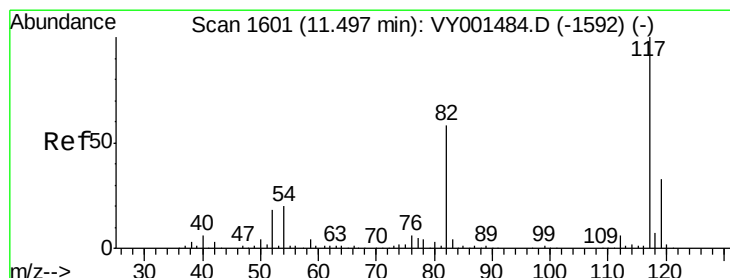
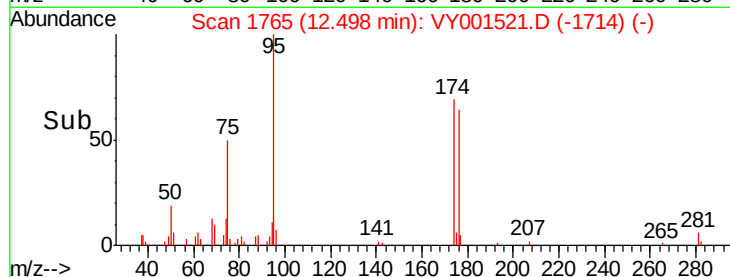
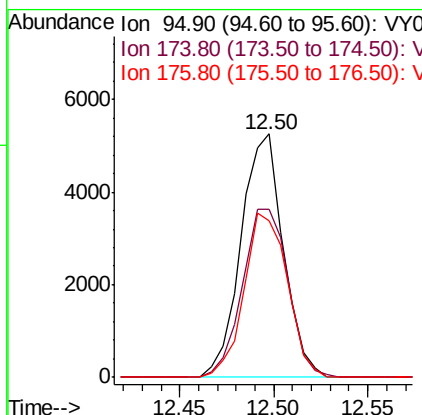
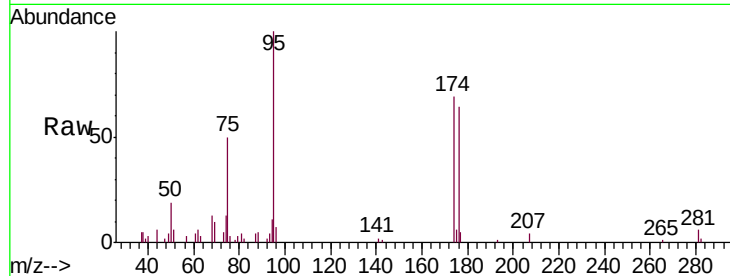




#62
4-Bromofluorobenzene
Concen: 58.533 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001521.D
Acq: 05 Feb 2020 20:31

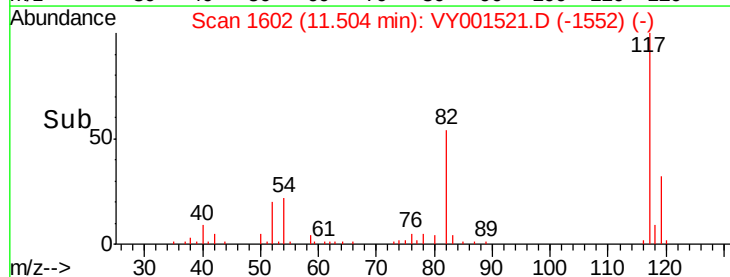
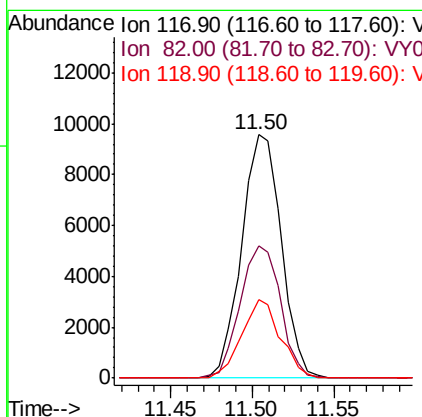
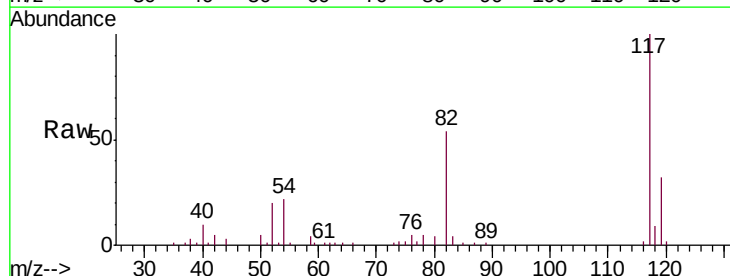
Instrument :
MSVOA_Y
ClientSampleId :
SHORE-RD-PATH-BH-01-B

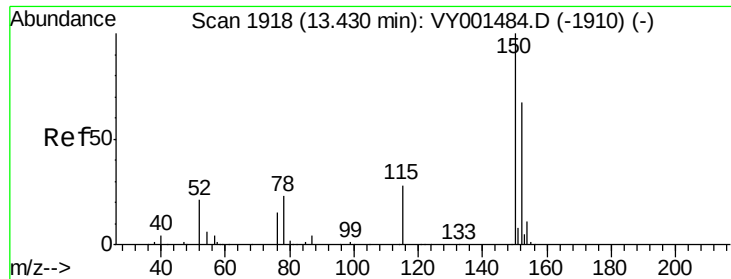
Tgt Ion: 95 Resp: 8182
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.4
176 68.6 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001521.D
Acq: 05 Feb 2020 20:31

Tgt Ion: 117 Resp: 16222
Ion Ratio Lower Upper
117 100
82 54.4 46.1 69.1
119 32.5 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: VY001521.D

Acq: 05 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

SHORE-RD-PATH-BH-01-B

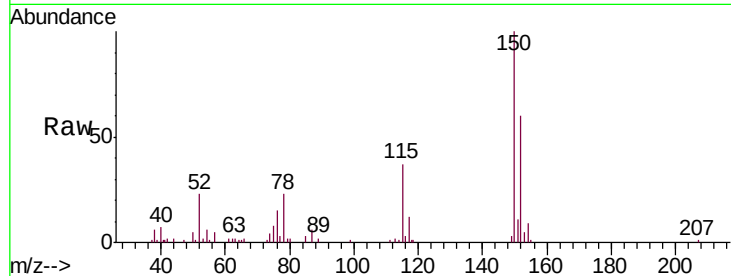
Tgt Ion:152 Resp: 7764

Ion Ratio Lower Upper

152 100

115 62.8 31.4 94.3

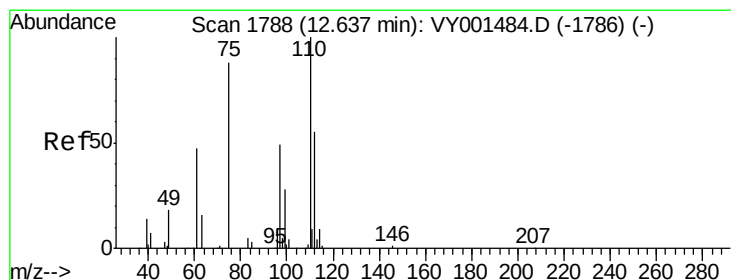
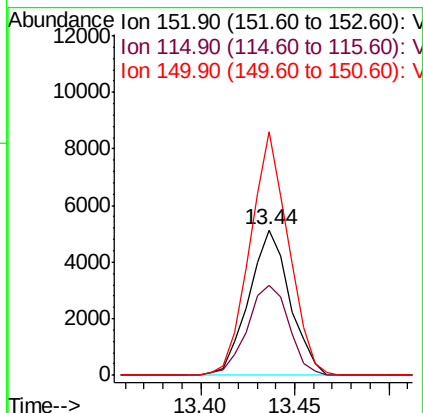
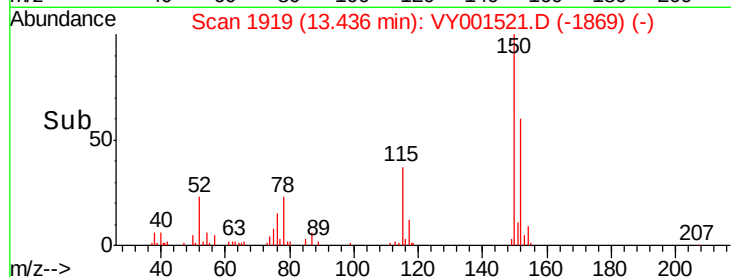
150 156.4 0.0 346.8



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: 48.363 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY001521.D

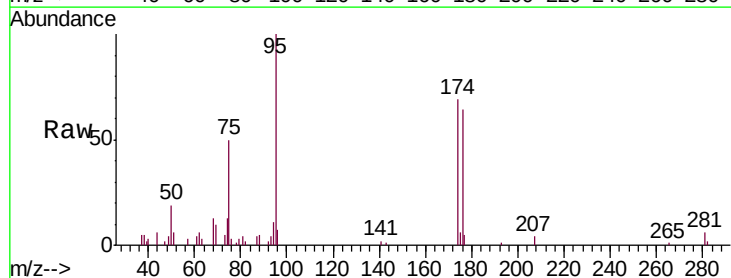
Acq: 05 Feb 2020 20:31

Tgt Ion: 75 Resp: 4038

Ion Ratio Lower Upper

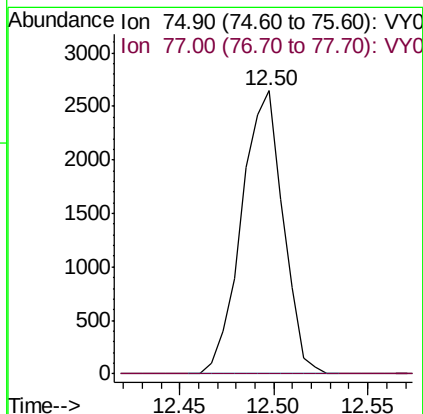
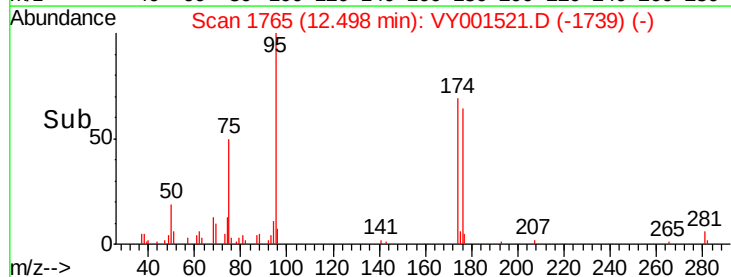
75 100

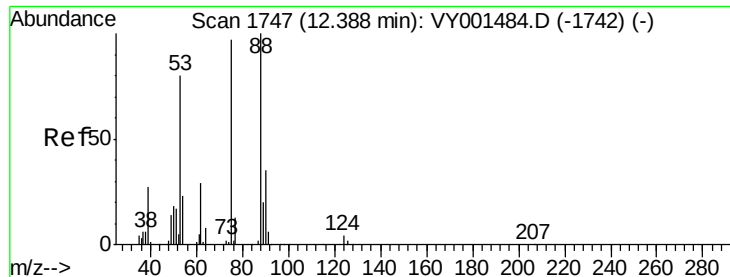
77 0.0 0.0 0.0



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: 93.579 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001521.D

Acq: 05 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

SHORE-RD-PATH-BH-01-B

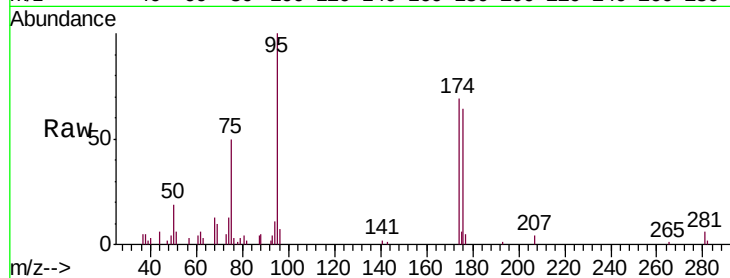
Tgt Ion: 75 Resp: 4038

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

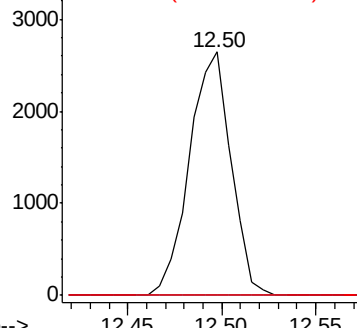
89 0.0 34.6 52.0#



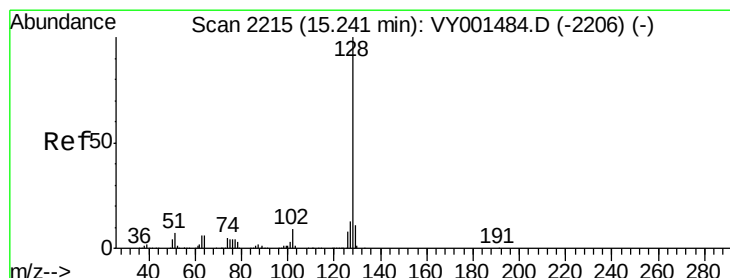
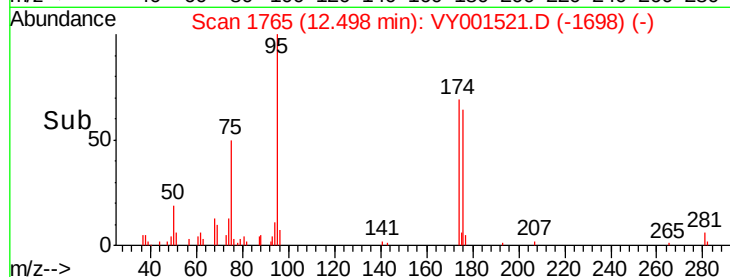
Abundance Ion 74.90 (74.60 to 75.60): VY001521.D (-1698) (-)

Ion 53.00 (52.70 to 53.70): VY001521.D (-1698) (-)

Ion 88.90 (88.60 to 89.60): VY001521.D (-1698) (-)



Time-->



#95

Naphthalene

Concen: 2.389 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001521.D

Acq: 05 Feb 2020 20:31

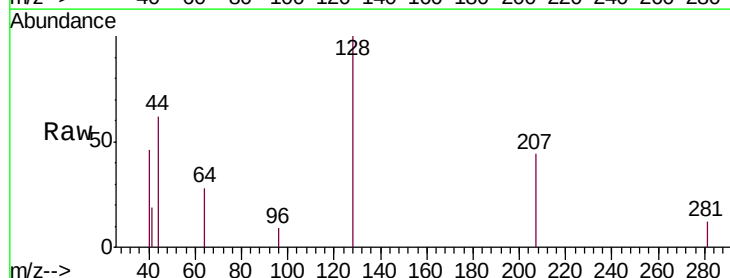
Tgt Ion: 128 Resp: 842

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

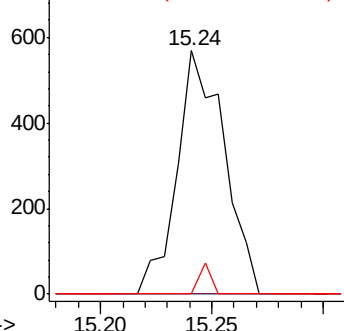
129 3.2 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): VY001521.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VY001521.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VY001521.D (-2166) (-)



Time-->

