

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
 Data File : VD064531.D
 Acq On : 16 Dec 2019 18:55
 Operator : VA/SY
 Sample : K6299-07
 Misc : 4.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SHORE-RD-BH-03

Quant Time: Dec 17 01:56:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	307002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	487408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	146021	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
35) Dibromofluoromethane	7.92	113	152023	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.34	98	584164	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.64	95	214509	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	

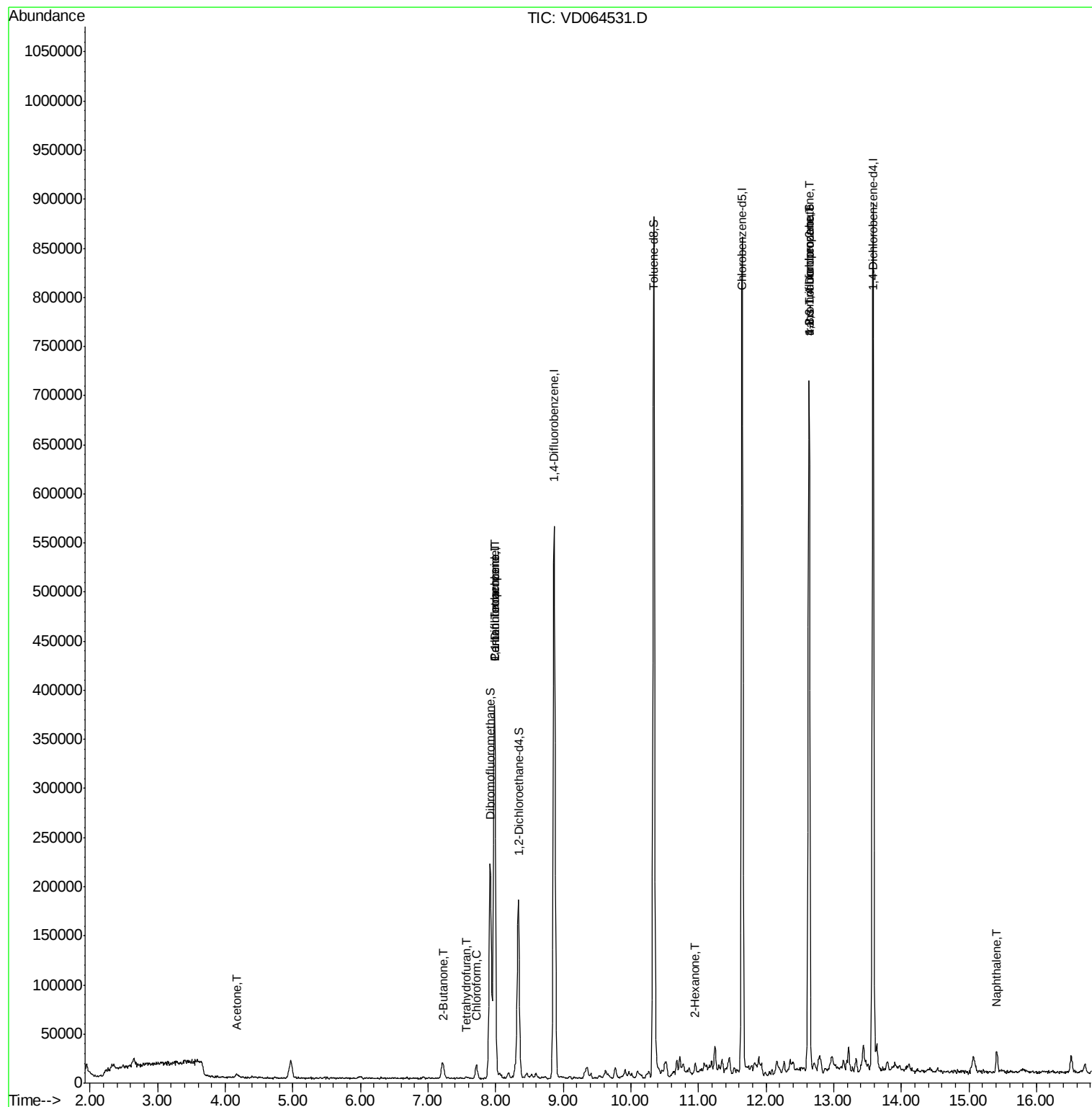
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	6323	11.260	ug/l #	79
25) 2-Butanone	7.23	43	2294	2.889	ug/l #	49
29) Tetrahydrofuran	7.58	42	1001	1.981	ug/l #	49
30) Chloroform	7.72	83	12501	2.354	ug/l	99
31) Cyclohexane	7.97	56	6795	Below Cal	#	19
36) 1,1-Dichloropropene	7.98	75	20552	4.421	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28591	5.827	ug/l #	18
59) 2-Hexanone	10.95	43	5515	4.142	ug/l #	27
76) 1,2,3-Trichloropropane	12.64	75	112641	56.791	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112641	123.833	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.46	75	67	Below Cal	#	1
95) Naphthalene	15.41	128	19517	2.198	ug/l	98

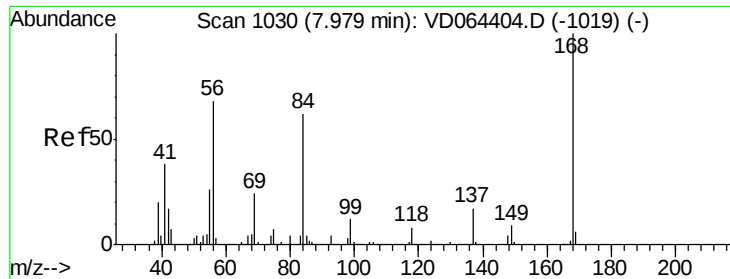
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

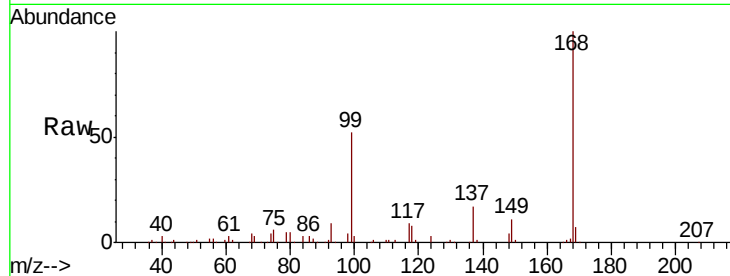
SHORE-RD-BH-03

Tgt Ion:168 Resp: 307002

Ion Ratio Lower Upper

168 100

99 52.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

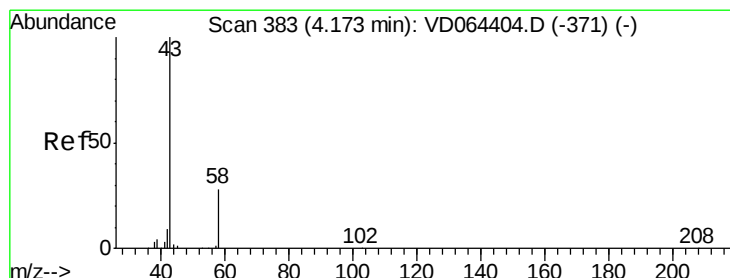
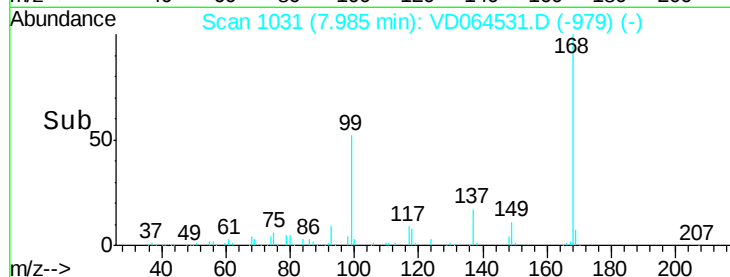
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.260 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064531.D

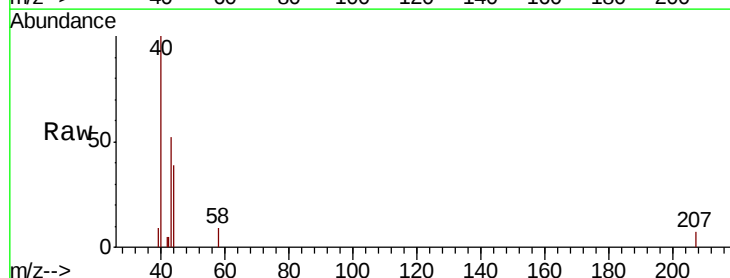
Acq: 16 Dec 2019 18:55

Tgt Ion: 43 Resp: 6323

Ion Ratio Lower Upper

43 100

58 17.3 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

2000

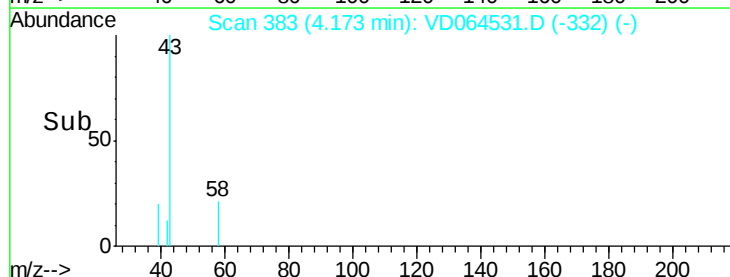
1500

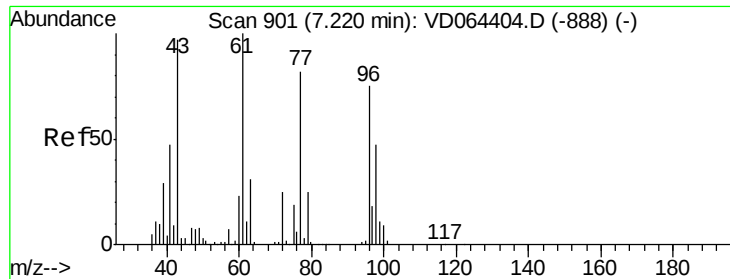
1000

500

0

Time-->





#25

2-Butanone

Concen: 2.889 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

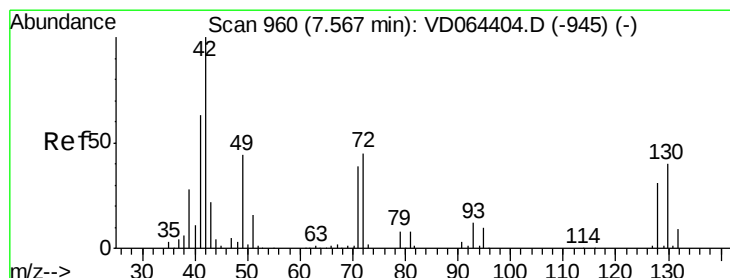
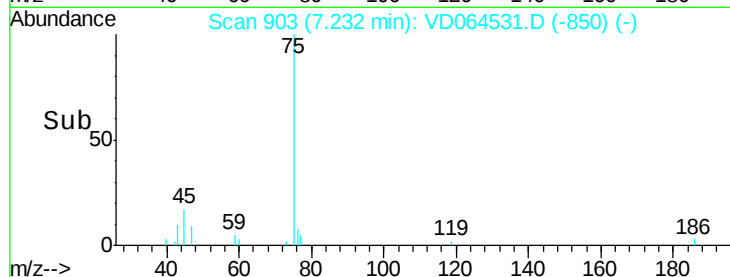
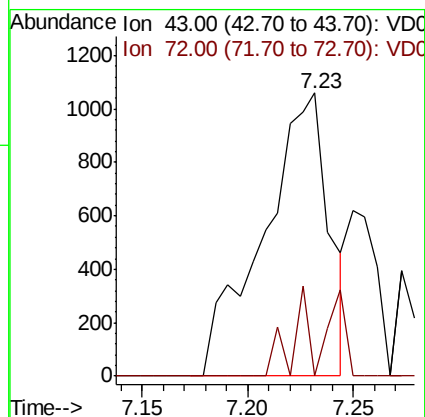
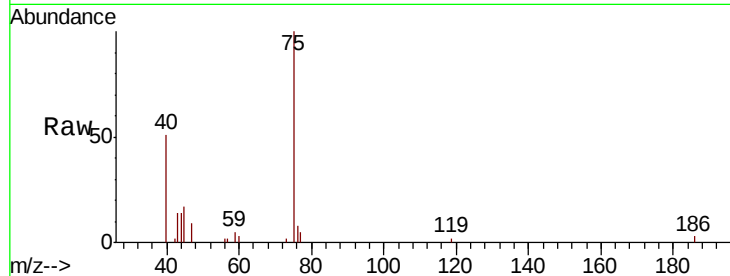
SHORE-RD-BH-03

Tgt Ion: 43 Resp: 2294

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#29

Tetrahydrofuran

Concen: 1.981 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

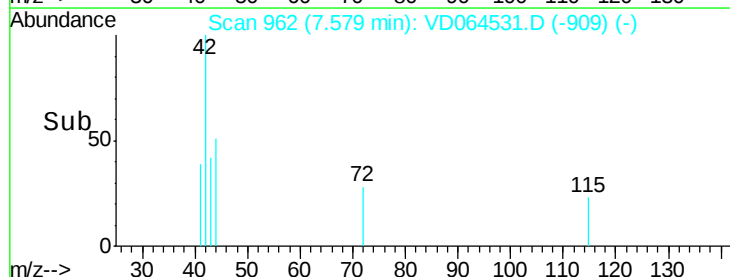
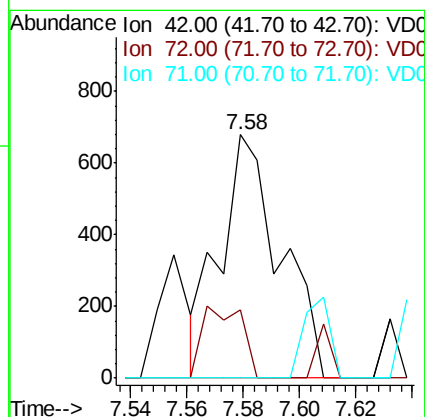
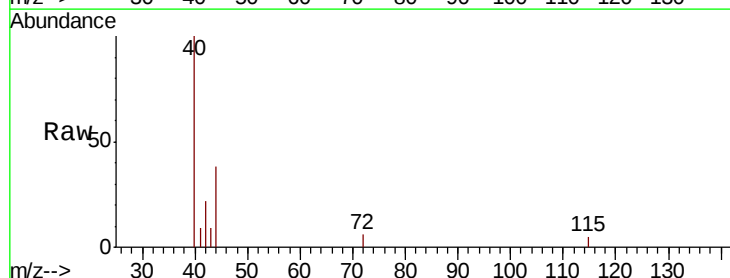
Tgt Ion: 42 Resp: 1001

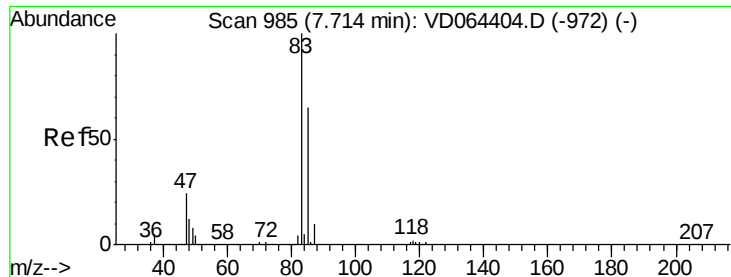
Ion Ratio Lower Upper

42 100

72 19.6 35.8 53.8#

71 0.0 32.7 49.1#

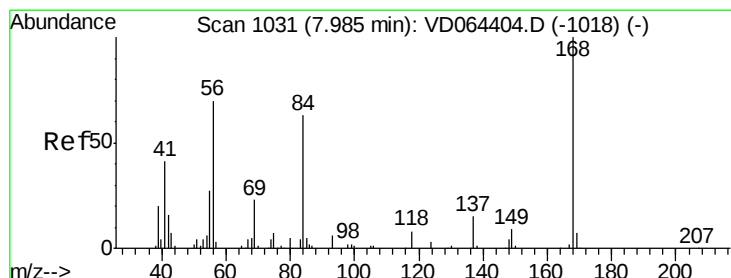
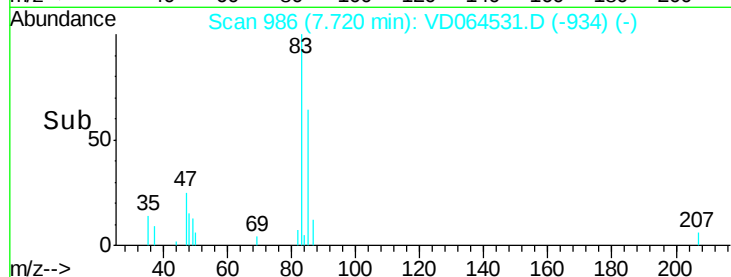
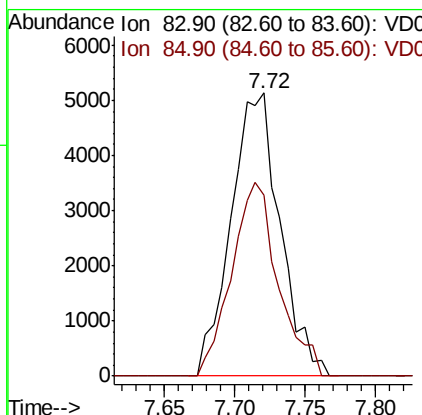
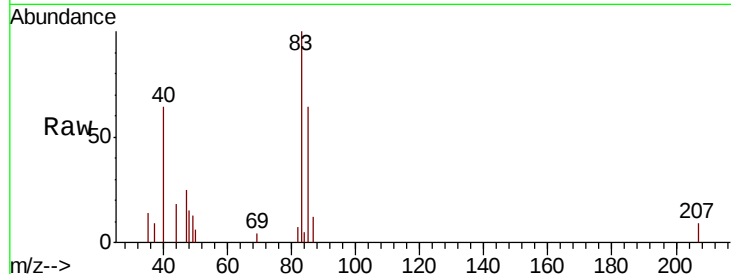




#30
Chloroform
Concen: 2.354 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

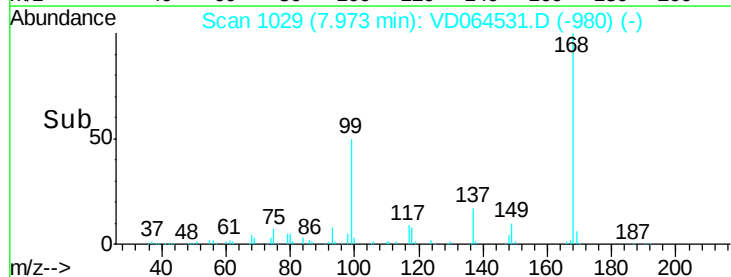
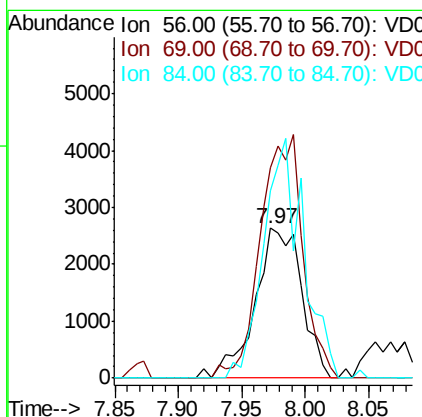
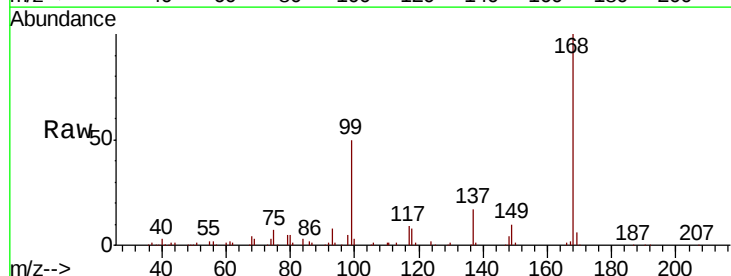
Instrument :
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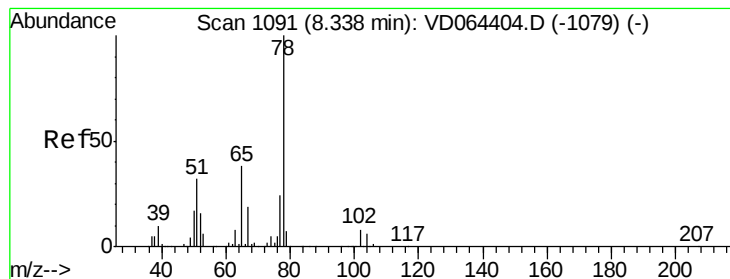
Tgt Ion: 83 Resp: 12501
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

Tgt Ion: 56 Resp: 6795
Ion Ratio Lower Upper
56 100
69 140.3 26.2 39.4#
84 124.9 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 52.548 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

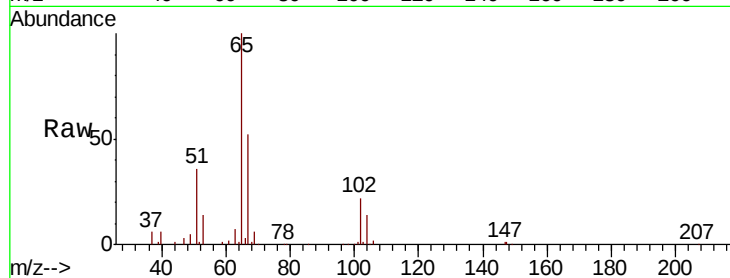
SHORE-RD-BH-03

Tgt Ion: 65 Resp: 146021

Ion Ratio Lower Upper

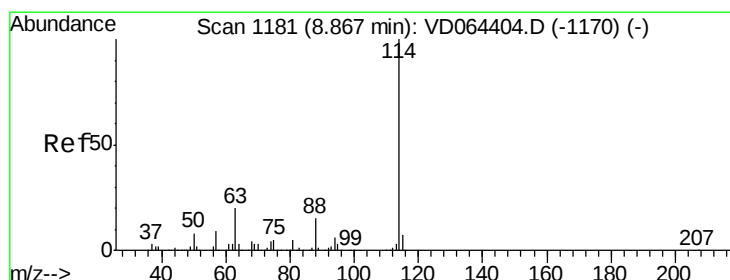
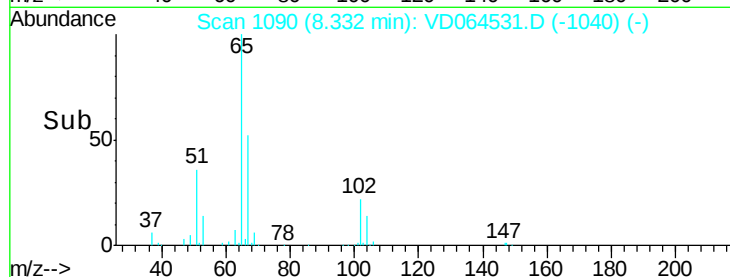
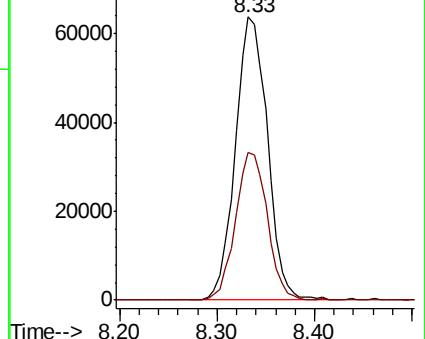
65 100

67 51.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

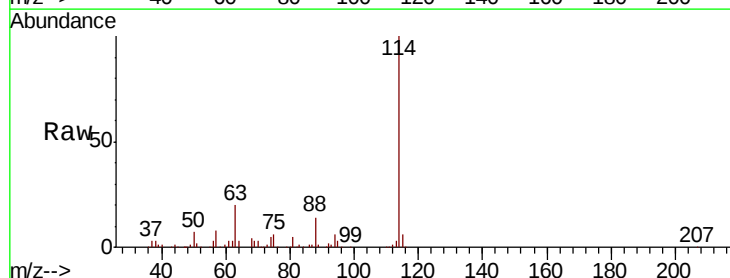
Tgt Ion: 114 Resp: 491473

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

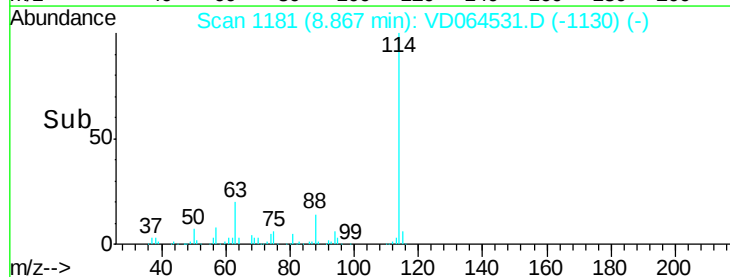
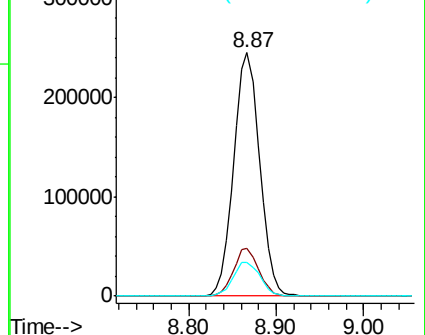
88 13.8 0.0 29.2

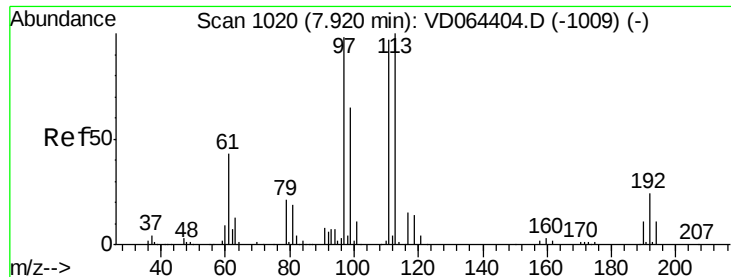


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

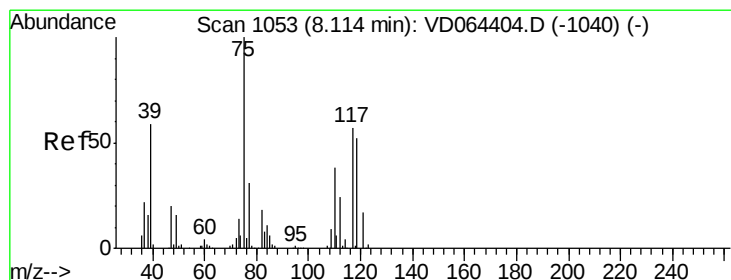
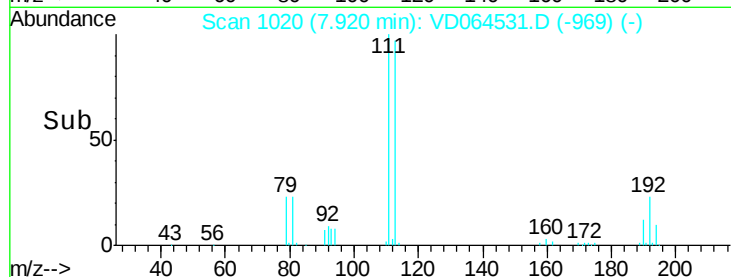
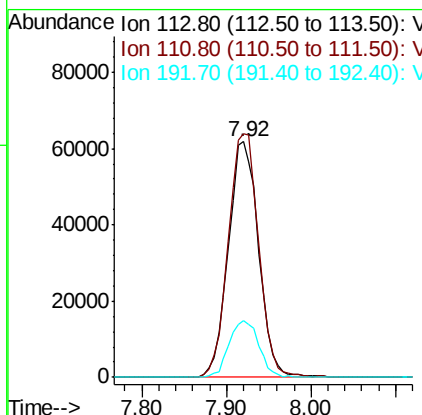
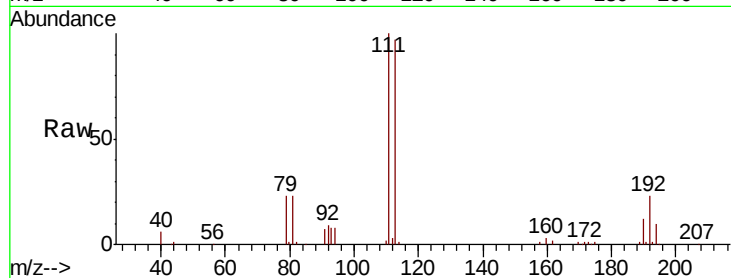




#35
 Dibromofluoromethane
 Concen: 49.095 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064531.D
 Acq: 16 Dec 2019 18:55

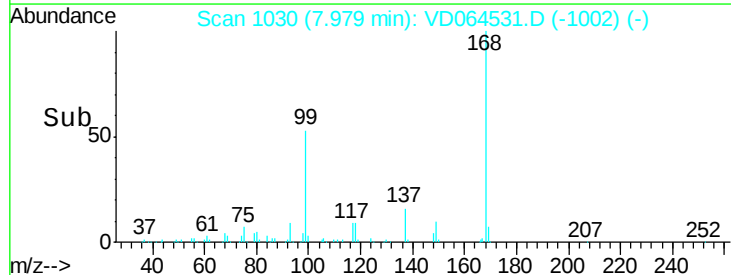
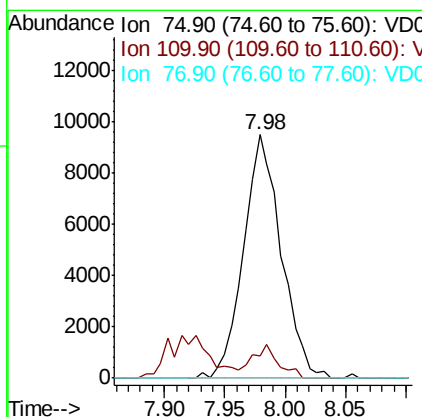
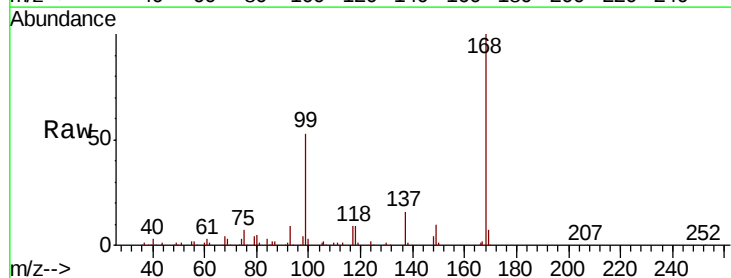
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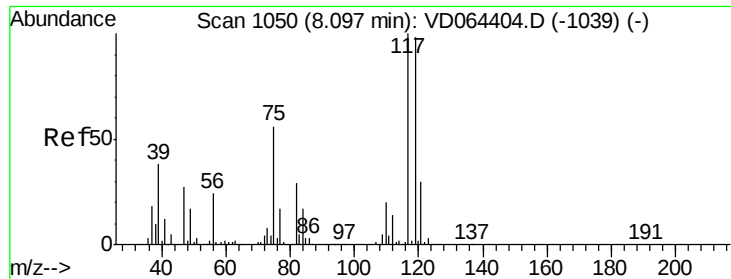
Tgt Ion: 113 Resp: 152023
 Ion Ratio Lower Upper
 113 100
 111 103.6 79.4 119.2
 192 23.7 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.421 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064531.D
 Acq: 16 Dec 2019 18:55

Tgt Ion: 75 Resp: 20552
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.6 55.8#
 77 0.0 25.0 37.4#

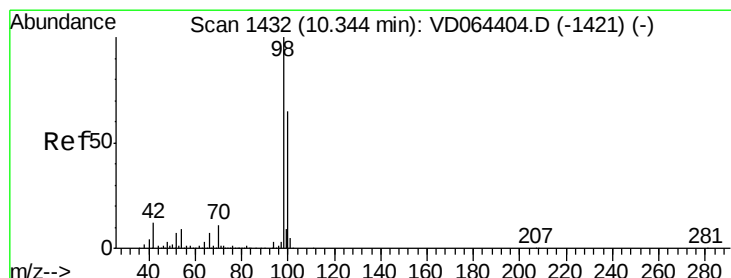
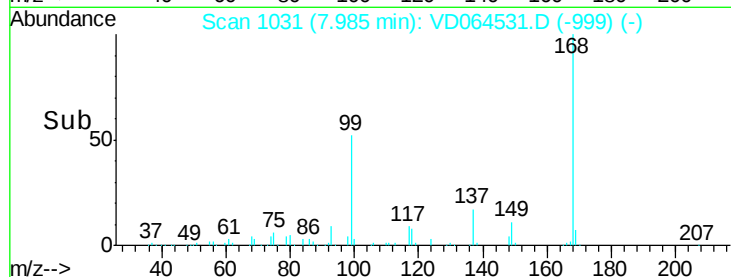
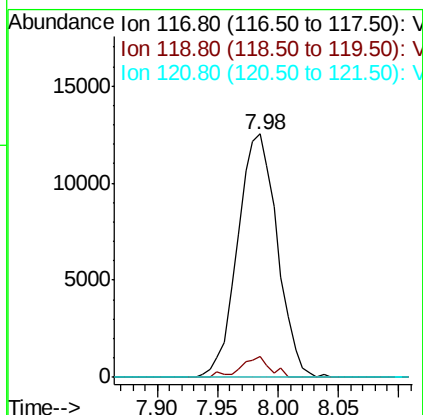
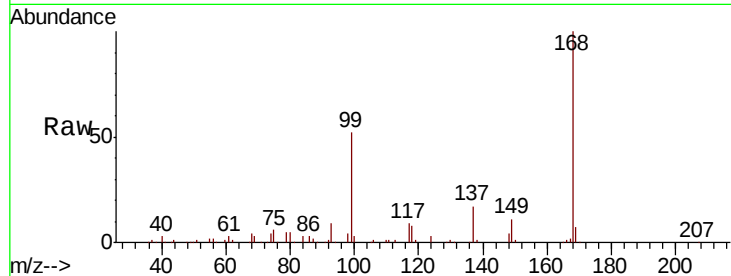




#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

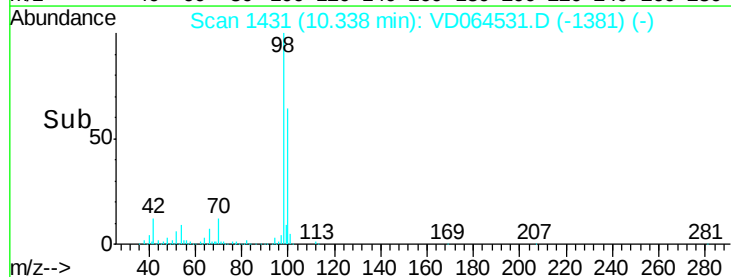
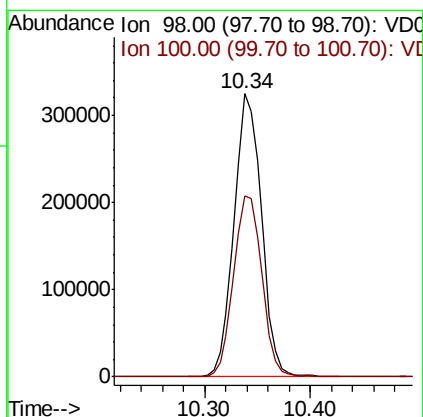
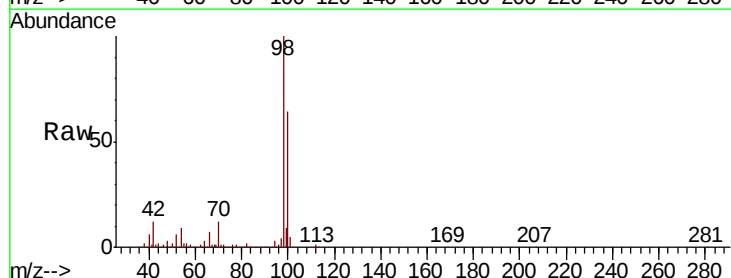
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SHORE-RD-BH-03

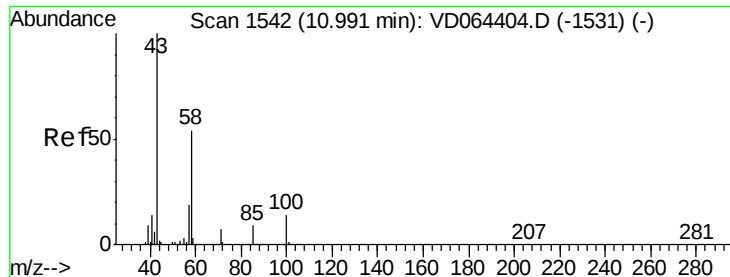
Tgt Ion:117 Resp: 28591
Ion Ratio Lower Upper
117 100
119 8.7 78.8 118.2#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.082 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

Tgt Ion: 98 Resp: 584164
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0

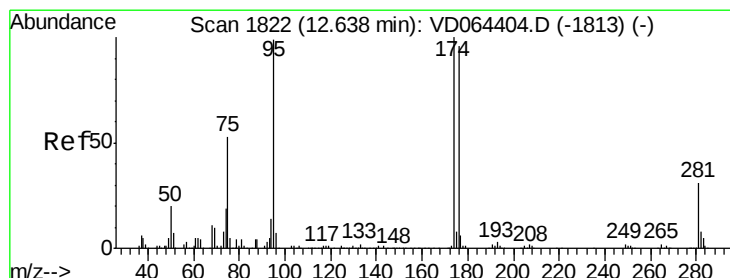
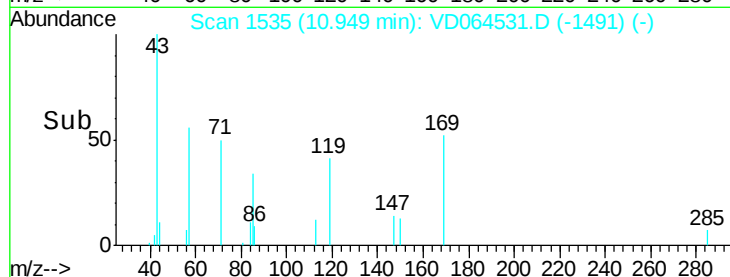
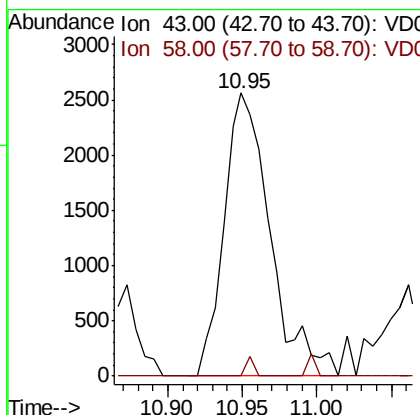
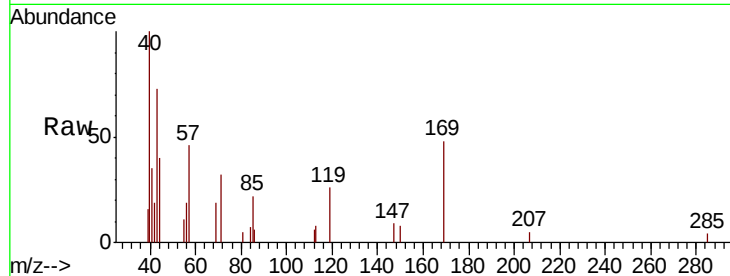




#59
2-Hexanone
Concen: 4.142 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.04 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

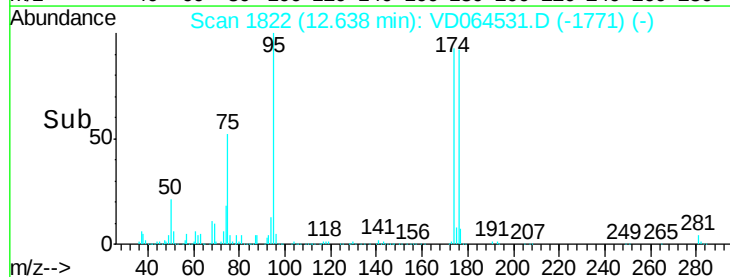
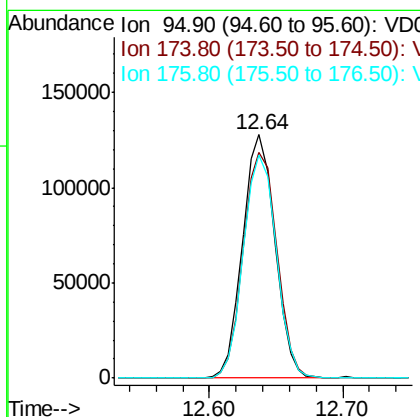
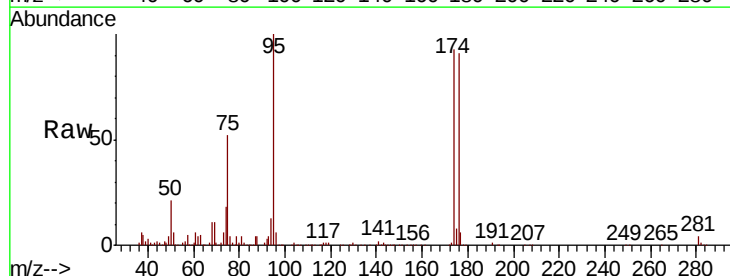
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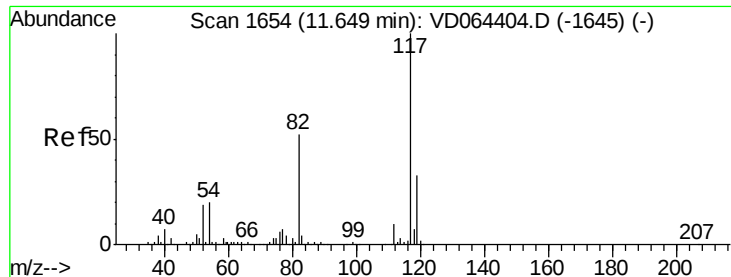
Tgt Ion: 43 Resp: 5515
Ion Ratio Lower Upper
43 100
58 1.1 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 57.224 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

Tgt Ion: 95 Resp: 214509
Ion Ratio Lower Upper
95 100
174 96.2 0.0 197.2
176 92.7 0.0 189.6

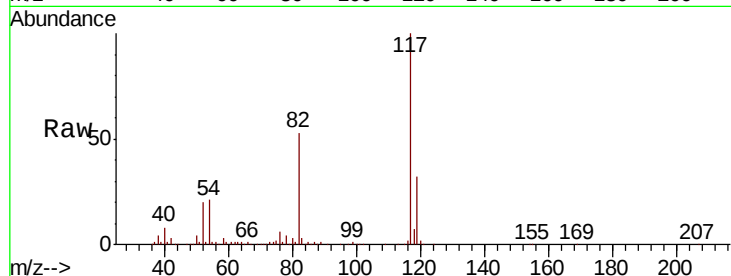




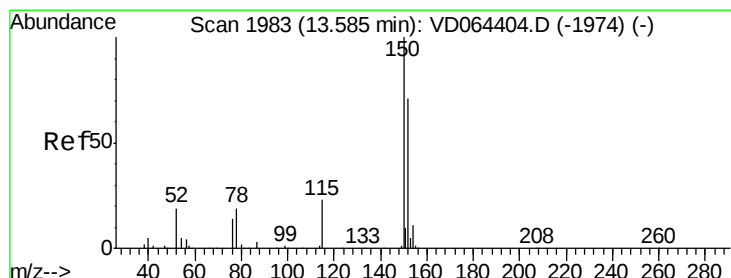
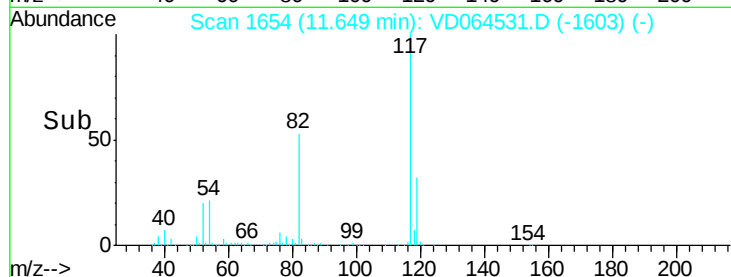
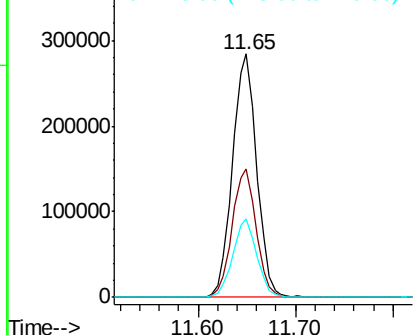
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

Instrument :
MSVOA_D
ClientSampleId :
SHORE-RD-BH-03

Tgt Ion:117 Resp: 487408
Ion Ratio Lower Upper
117 100
82 52.8 41.4 62.2
119 32.2 26.2 39.2

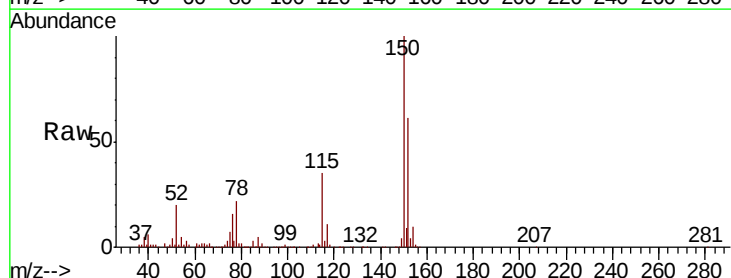


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

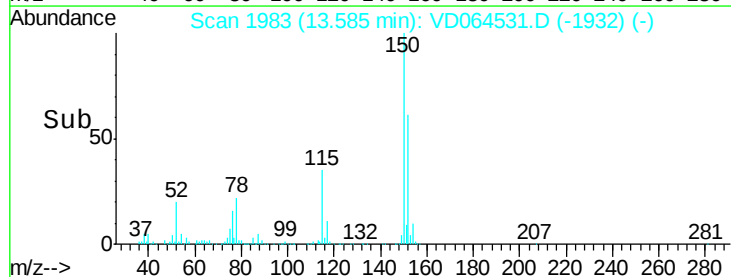
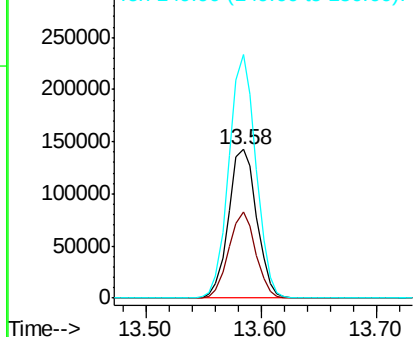


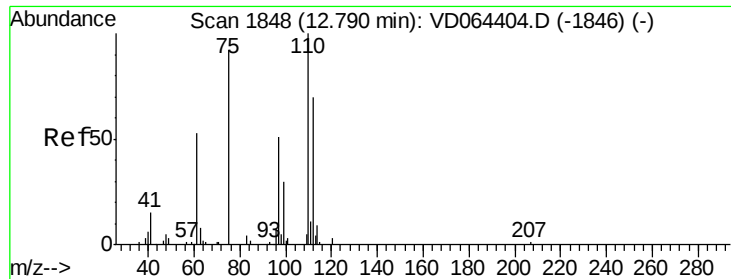
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064531.D
Acq: 16 Dec 2019 18:55

Tgt Ion:152 Resp: 241187
Ion Ratio Lower Upper
152 100
115 55.3 26.7 80.1
150 156.9 0.0 347.2



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: 56.791 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

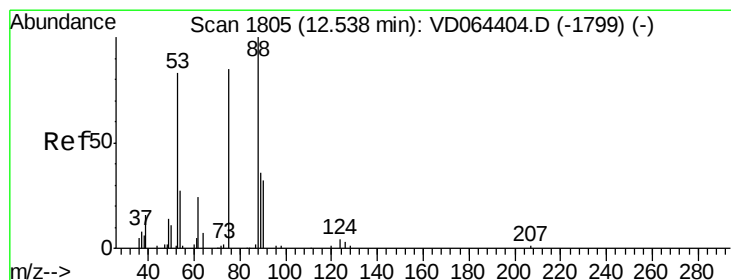
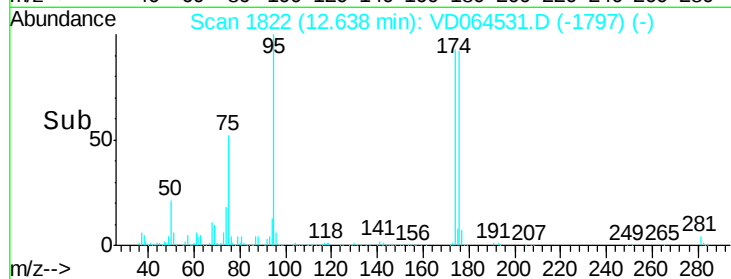
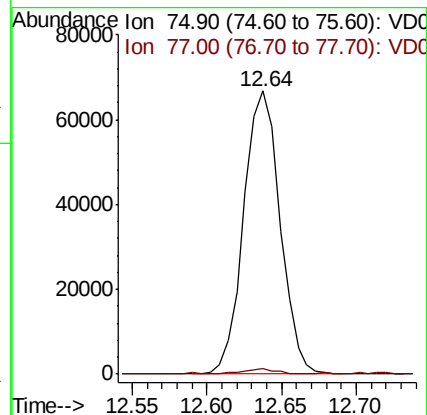
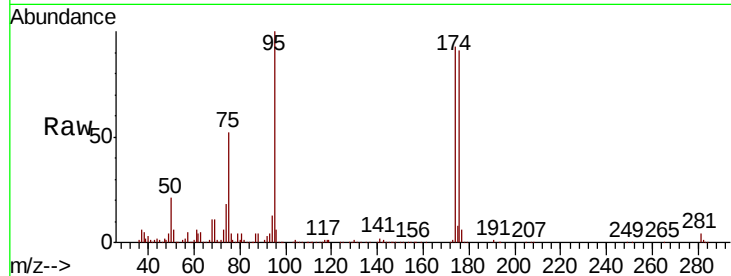
SHORE-RD-BH-03

Tgt Ion: 75 Resp: 112641

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.833 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

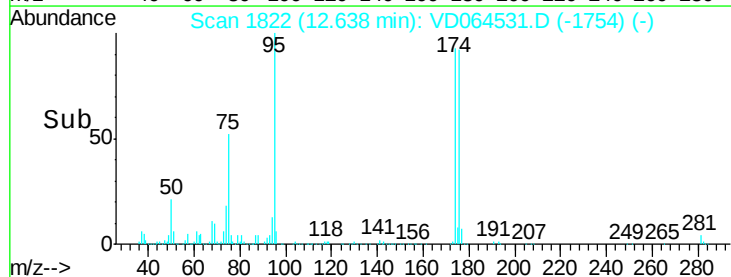
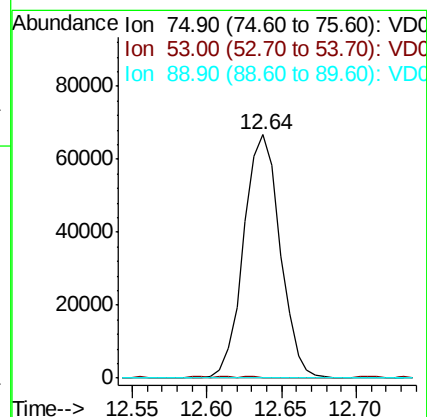
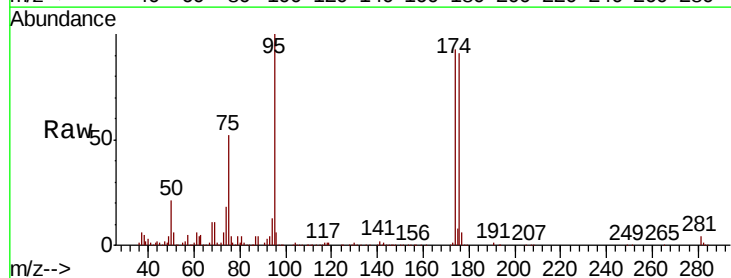
Tgt Ion: 75 Resp: 112641

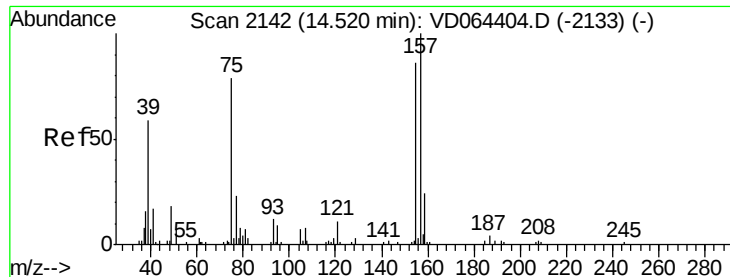
Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.46 min Scan# 2132

Delta R.T. -0.06 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

SHORE-RD-BH-03

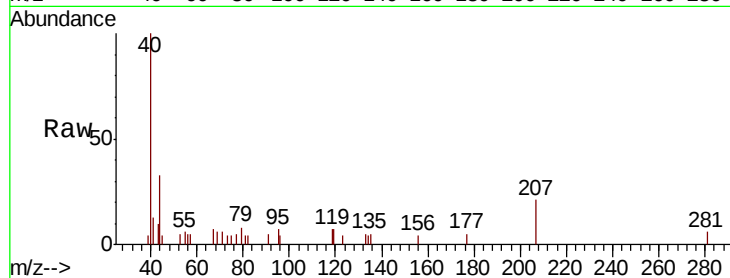
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.46

250

200

150

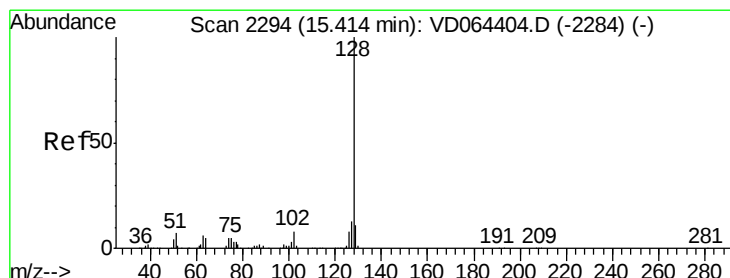
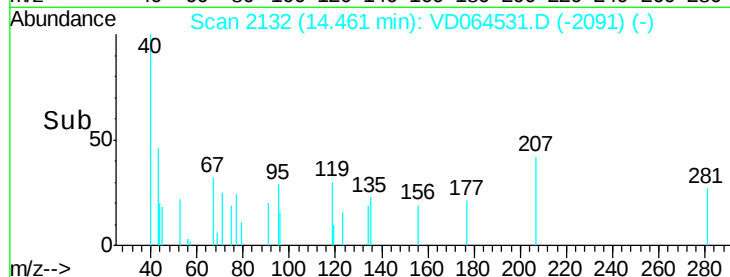
100

50

0

14.44 14.46 14.48

Time-->



#95

Naphthalene

Concen: 2.198 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064531.D

Acq: 16 Dec 2019 18:55

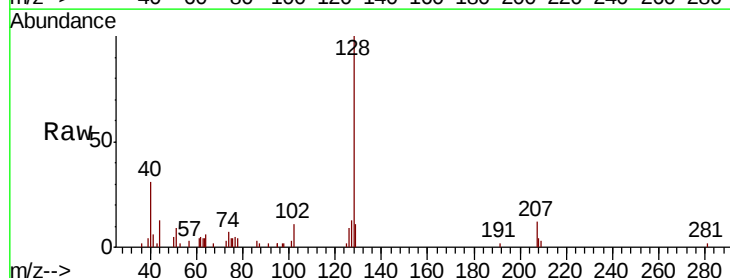
Tgt Ion: 128 Resp: 19517

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 12.1 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

15.41

10000

5000

0

15.35 15.40 15.45

Time-->

