

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065021.D
 Acq On : 30 Jan 2020 19:05
 Operator : VA/SY
 Sample : L1318-11RE
 Misc : 4.93G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-04-BRE

Quant Time: Jan 31 02:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	35271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	52358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	54793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	26045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	26788	79.18	ug/l	0.00
Spiked Amount			Recovery	=	158.36%	
35) Dibromofluoromethane	7.92	113	21595	65.63	ug/l	0.00
Spiked Amount			Recovery	=	131.26%	
50) Toluene-d8	10.34	98	59944	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.64	95	20493	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	

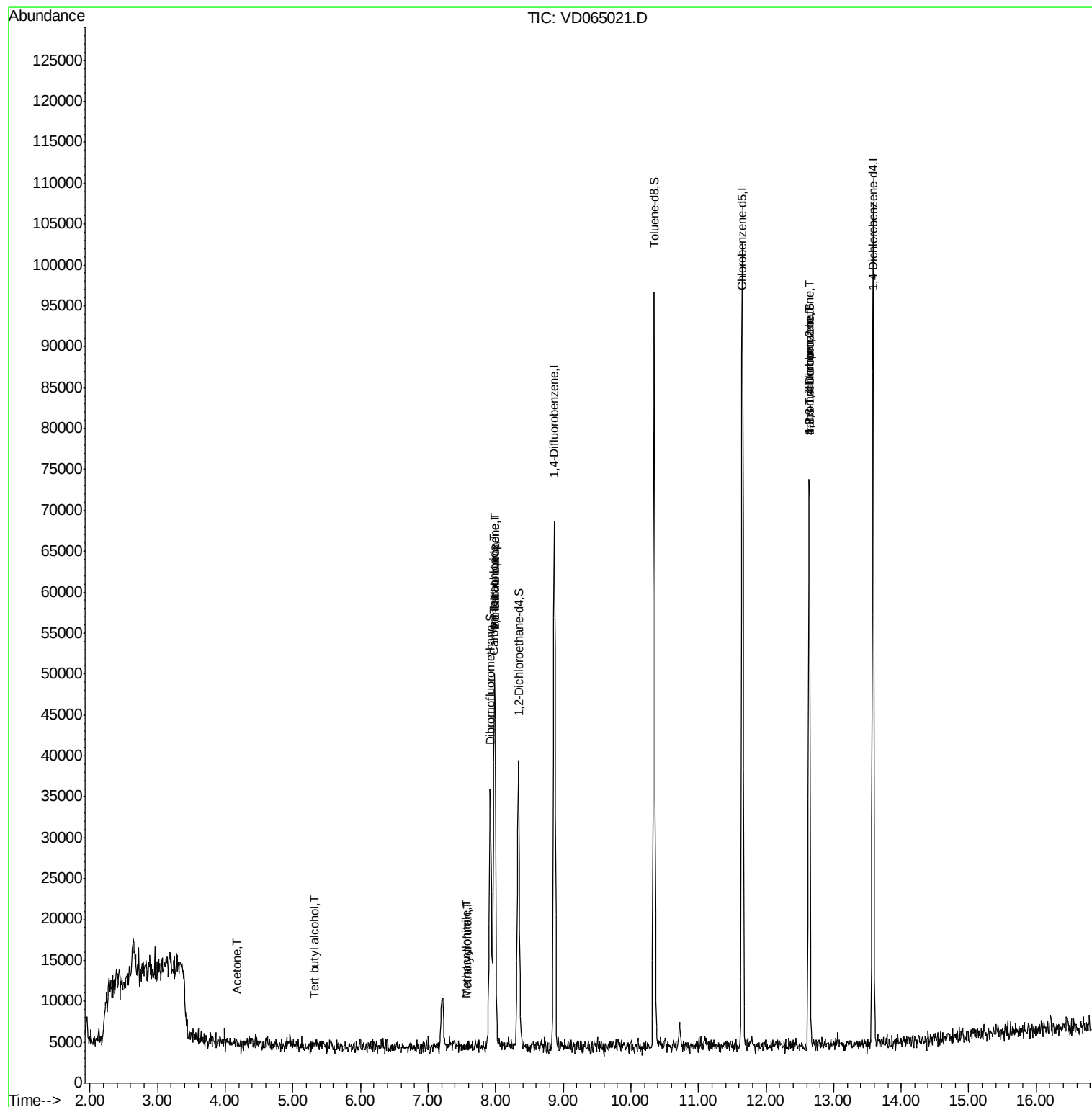
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.31	59	64	3.423	ug/l #	74
16) Acetone	4.17	43	56	14.373	ug/l #	45
20) Methylene Chloride	4.96	84	309	Below Cal	#	70
29) Tetrahydrofuran	7.58	42	77	1.365	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	2839	5.623	ug/l #	44
38) Carbon Tetrachloride	7.97	117	3685	6.905	ug/l #	14
41) Methacrylonitrile	7.57	41	148	1.317	ug/l #	44
76) 1,2,3-Trichloropropane	12.64	75	11391	52.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	11391	112.512	ug/l #	9

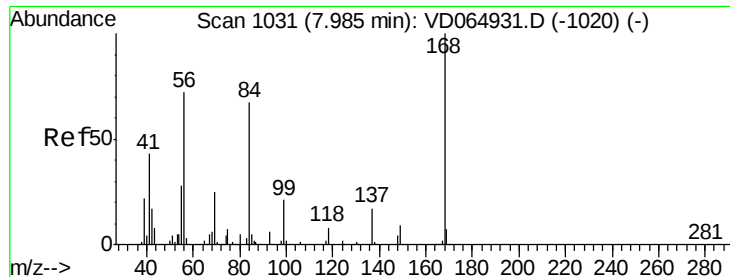
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065021.D

Acq: 30 Jan 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

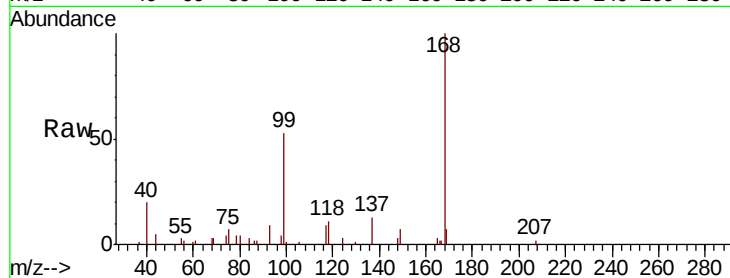
RAINEY-PARK-BH-04-BRE

Tot Ion:168 Resp: 35271

Ion Ratio Lower Upper

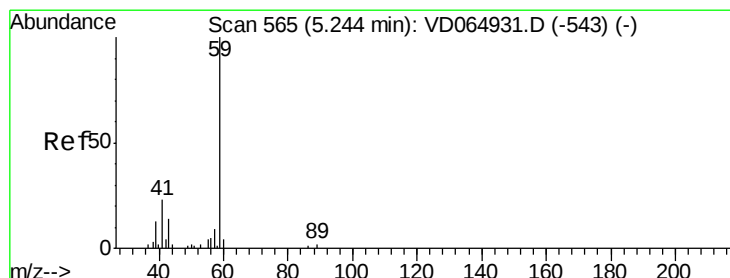
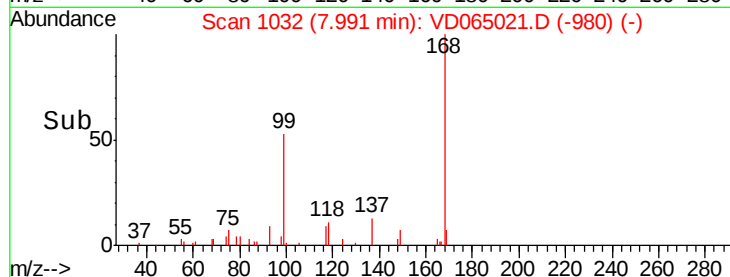
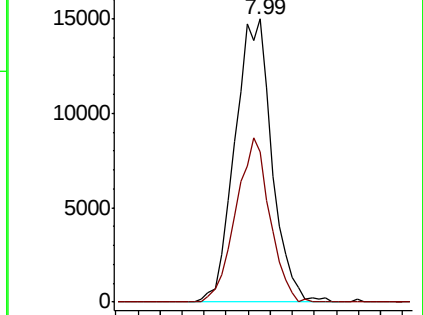
168 100

99 53.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 3.423 ug/l

RT: 5.31 min Scan# 576

Delta R.T. 0.06 min

Lab File: VD065021.D

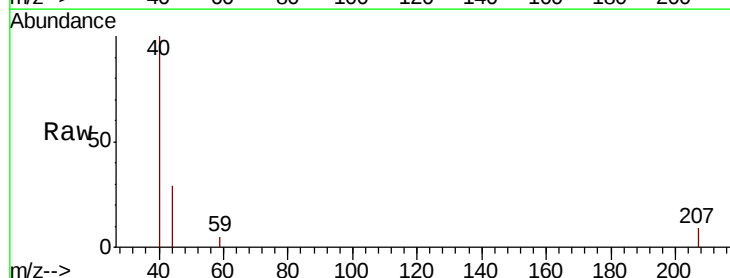
Acq: 30 Jan 2020 19:05

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

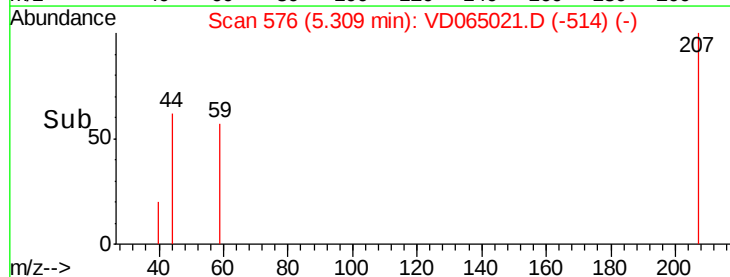
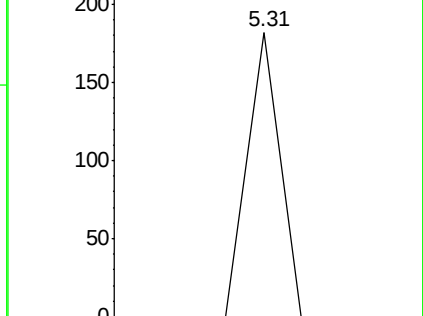
59 100

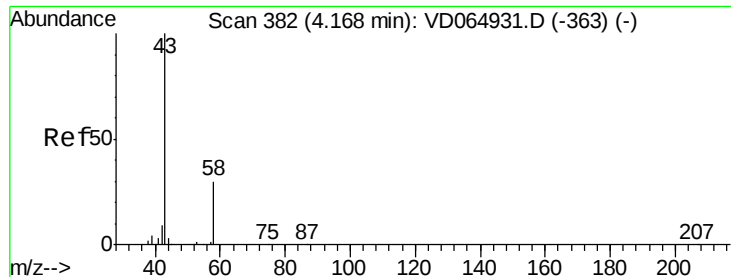
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 14.373 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065021.D

Acq: 30 Jan 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

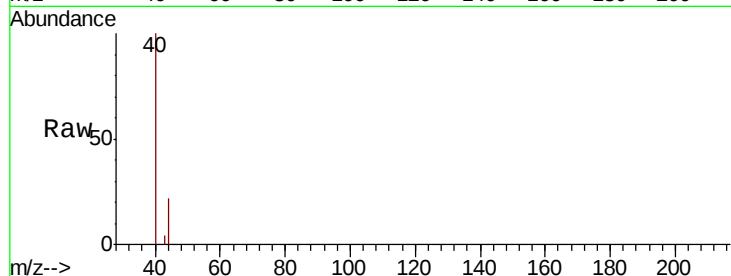
RAINEY-PARK-BH-04-BRE

Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#

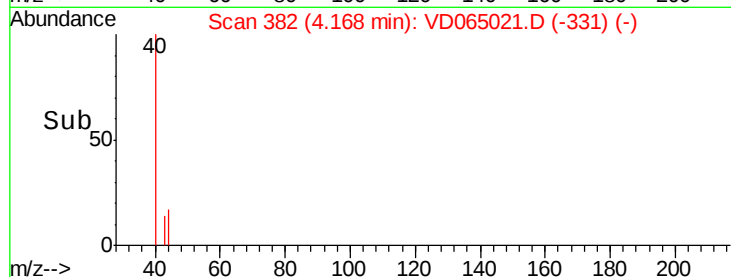


Abundance Ion 43.00 (42.70 to 43.70): VDC

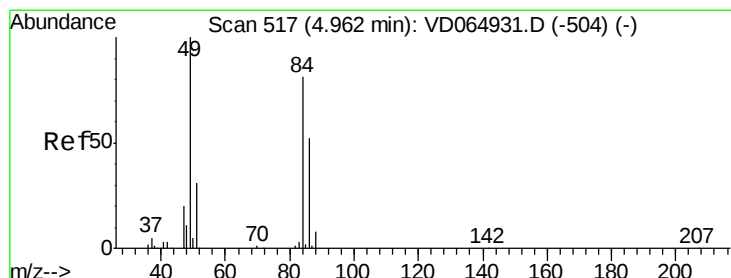
Ion 58.00 (57.70 to 58.70): VDC

4.17

Time-->



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065021.D

Acq: 30 Jan 2020 19:05

Tgt Ion: 84 Resp: 309

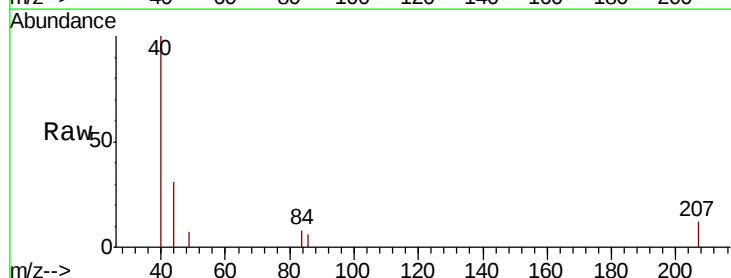
Ion Ratio Lower Upper

84 100

49 90.6 98.4 147.6#

51 0.0 30.8 46.2#

86 74.5 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VDC

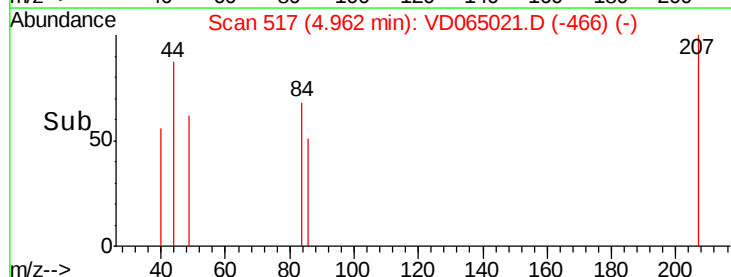
Ion 48.90 (48.60 to 49.60): VDC

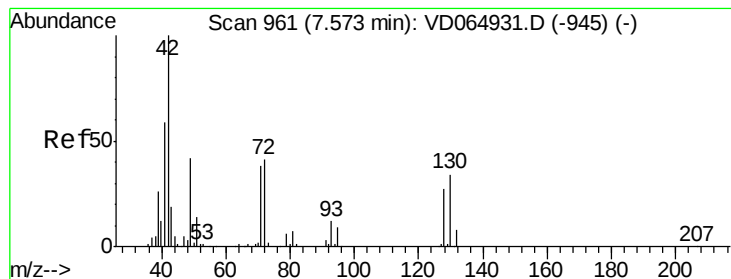
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.96

Time-->





#29

Tetrahydrofuran

Concen: 1.365 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD065021.D

Acq: 30 Jan 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-04-BRE

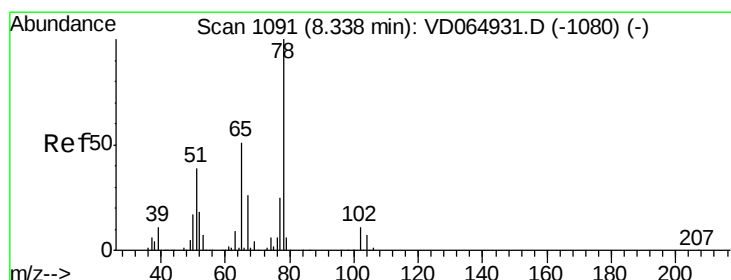
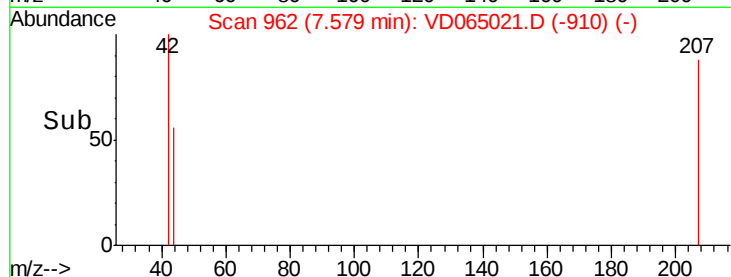
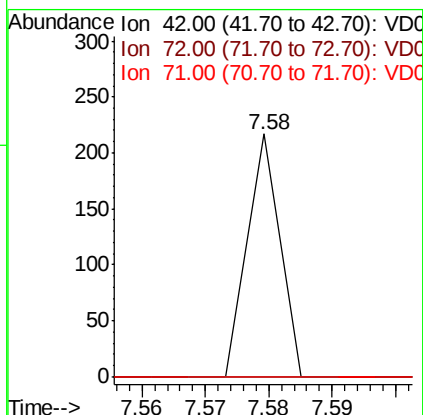
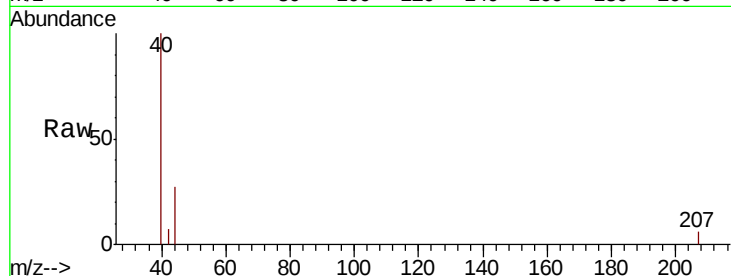
Tot Ion: 42 Resp: 77

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

71 0.0 31.5 47.3#



#33

1,2-Dichloroethane-d4

Concen: 79.178 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065021.D

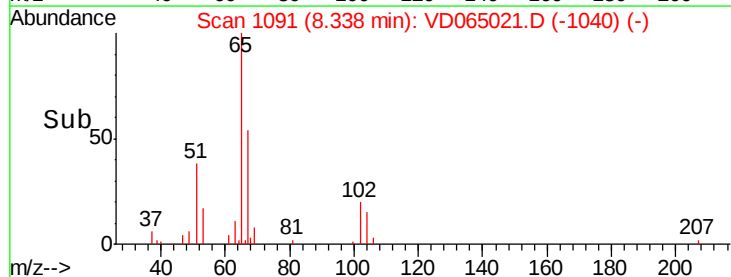
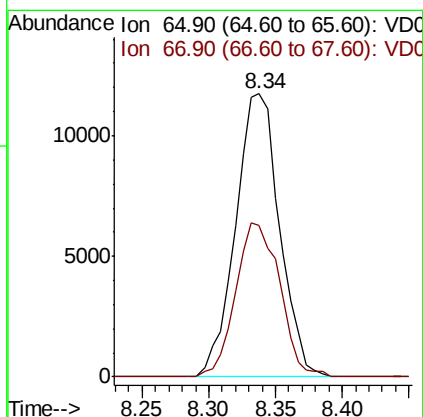
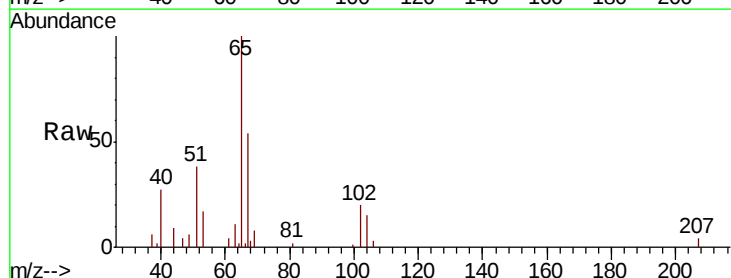
Acq: 30 Jan 2020 19:05

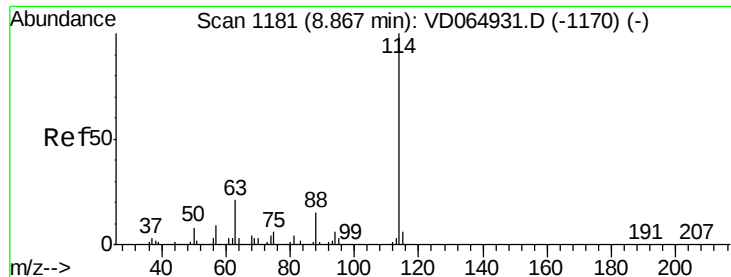
Tgt Ion: 65 Resp: 26788

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.6

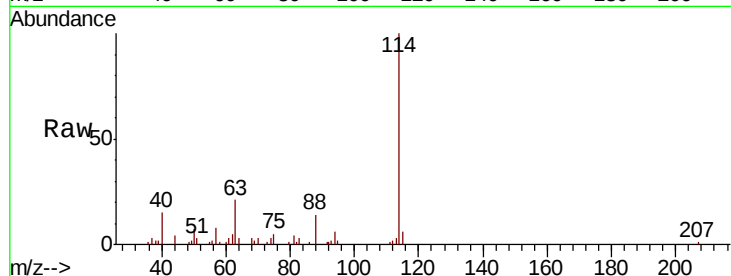




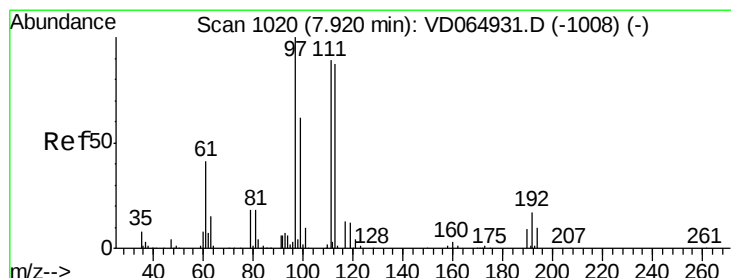
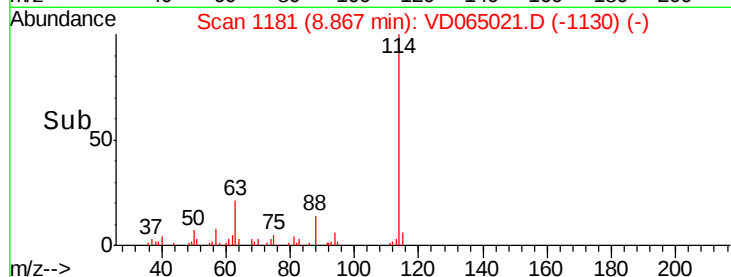
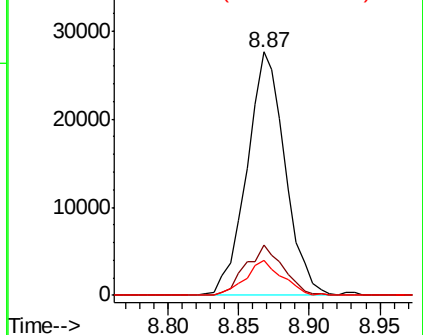
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065021.D
 Acq: 30 Jan 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-04-BRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.0
88	14.1	0.0	29.4

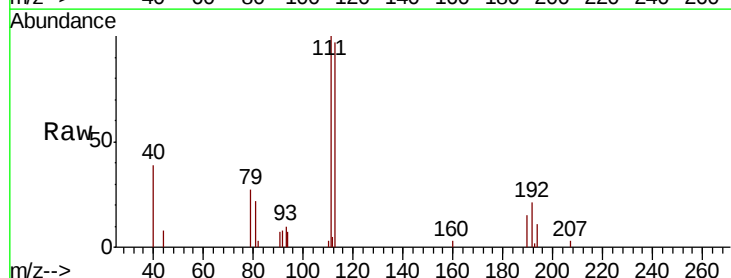


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

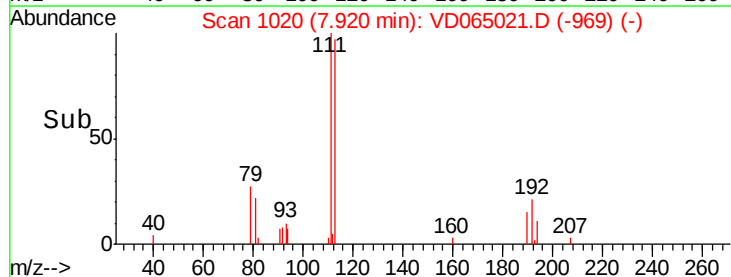
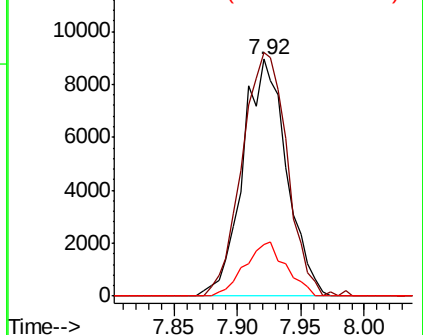


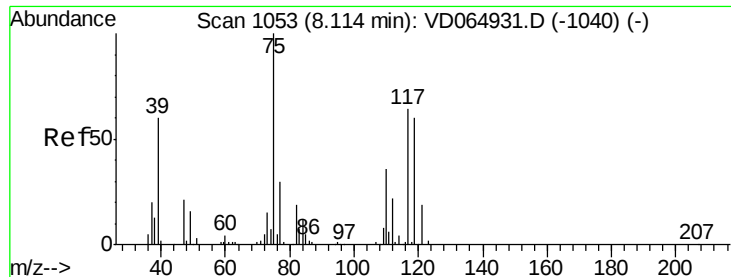
#35
 Dibromofluoromethane
 Concen: 65.633 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065021.D
 Acq: 30 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.4	123.6
192	21.5	16.9	25.3



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

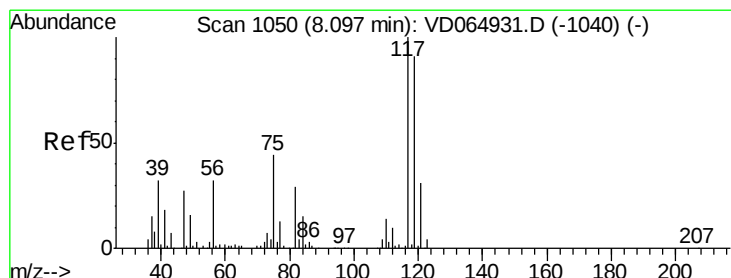
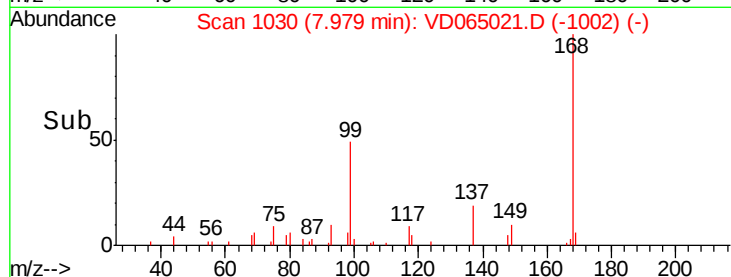
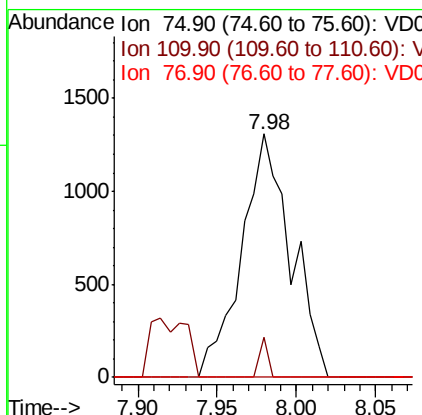
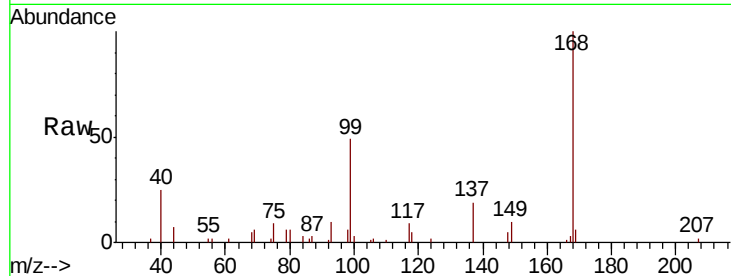




#36
 1,1-Dichloropropene
 Concen: 5.623 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065021.D
 Acq: 30 Jan 2020 19:05

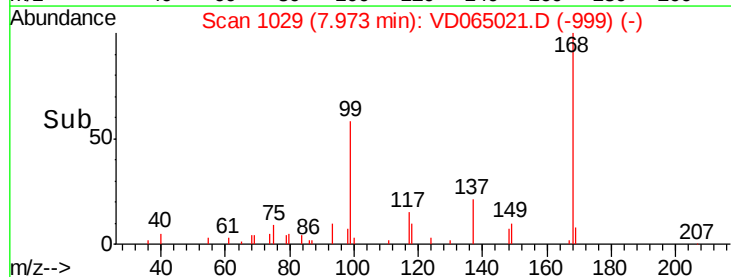
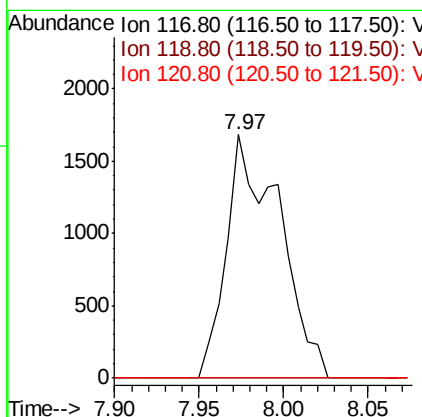
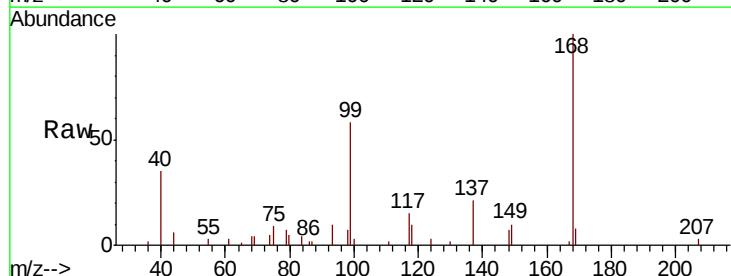
Instrument :
 MSVOA_D
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 RAINEY-PARK-BH-04-BRE

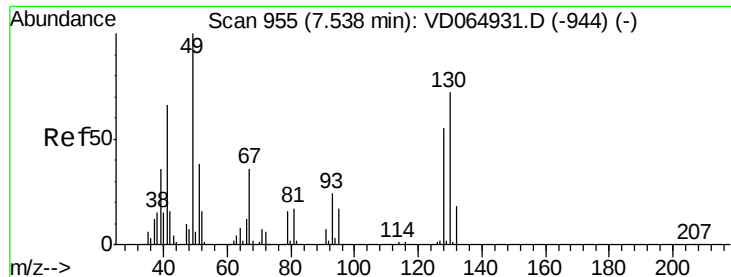
Tot Ion	Ratio	Lower	Upper
75	100		
110	2.7	17.3	52.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.905 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD065021.D
 Acq: 30 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.2	109.8#
121	0.0	24.4	36.6#

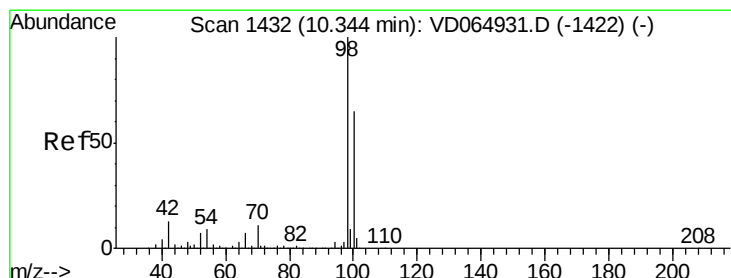
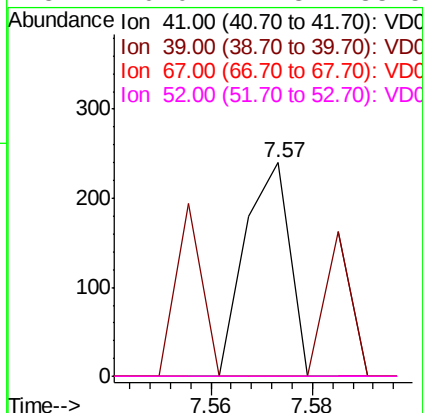
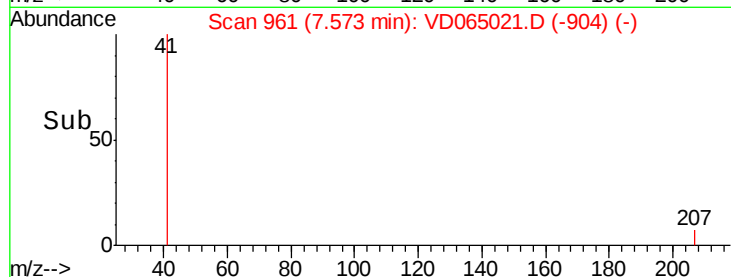
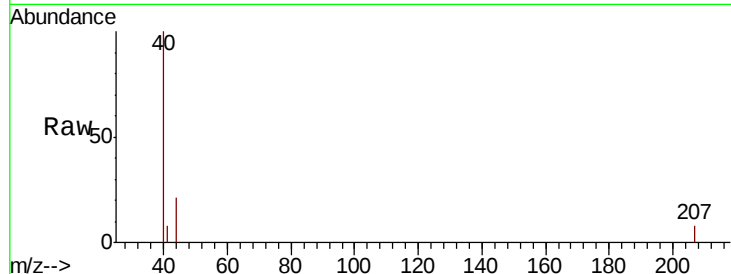




#41
Methacrylonitrile
Concen: 1.317 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065021.D
Acq: 30 Jan 2020 19:05

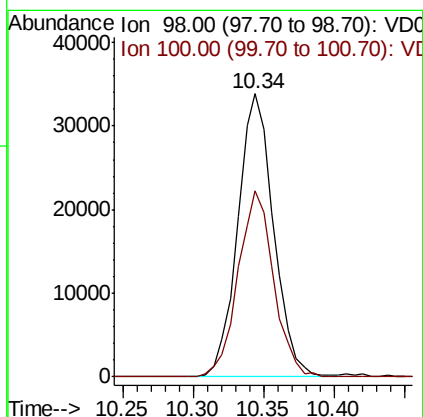
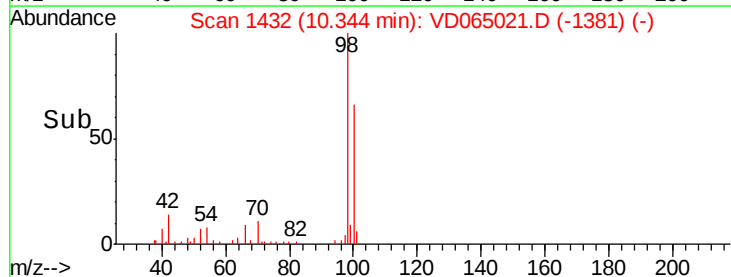
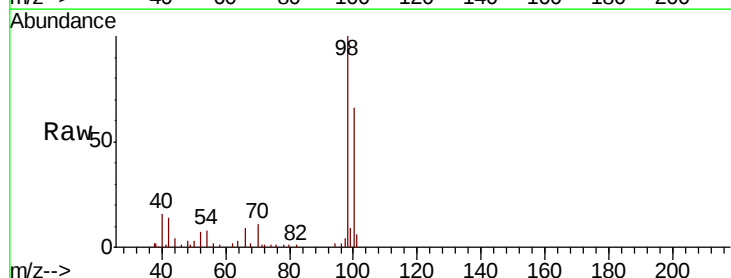
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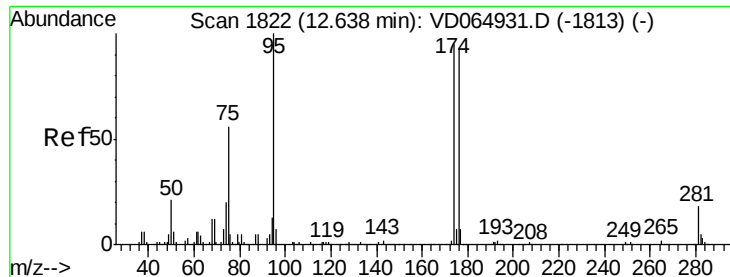
Tot Ion: 41 Resp: 148
Ion Ratio Lower Upper
41 100
39 38.5 49.3 73.9#
67 0.0 51.0 76.6#
52 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 47.203 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065021.D
Acq: 30 Jan 2020 19:05

Tgt Ion: 98 Resp: 59944
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

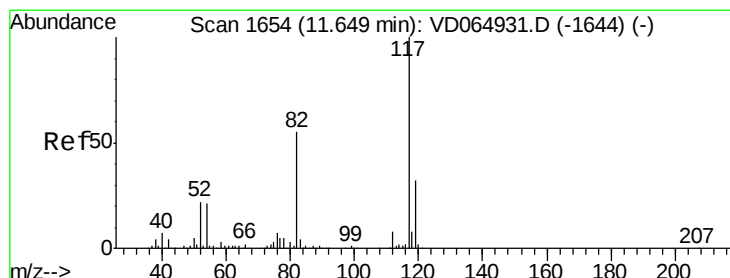
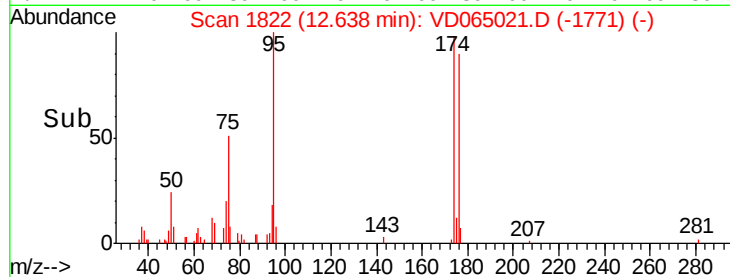
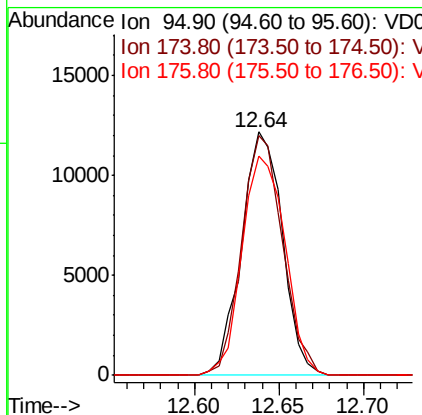
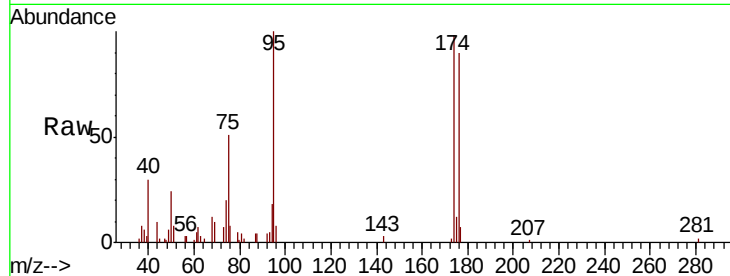




#62
4-Bromofluorobenzene
Concen: 52.733 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065021.D
Acq: 30 Jan 2020 19:05

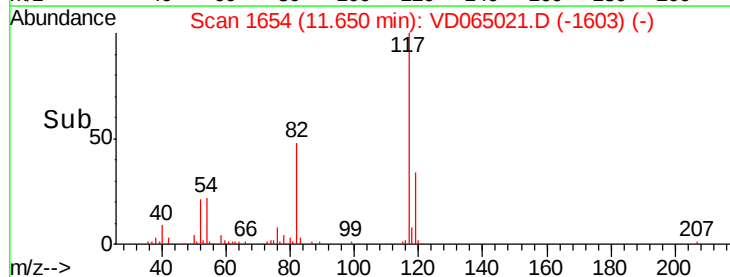
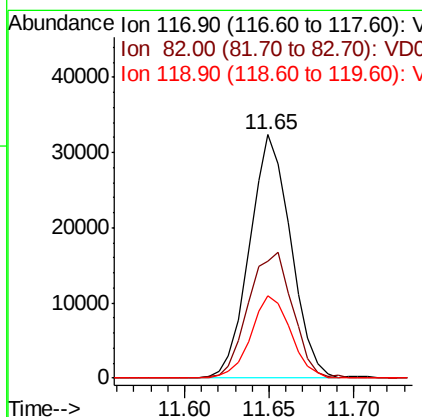
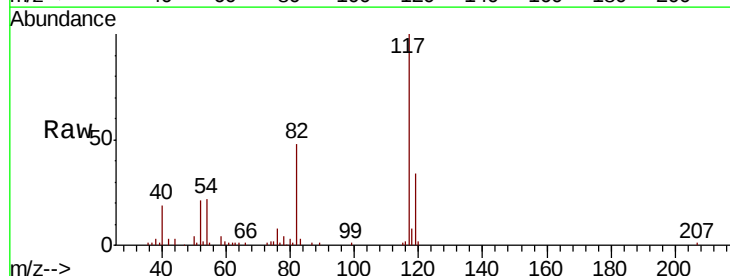
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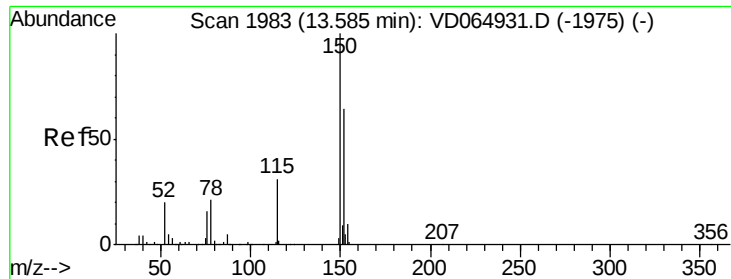
Tot Ion: 95 Resp: 20493
Ion Ratio Lower Upper
95 100
174 98.8 0.0 186.8
176 95.0 0.0 183.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065021.D
Acq: 30 Jan 2020 19:05

Tgt Ion: 117 Resp: 54793
Ion Ratio Lower Upper
117 100
82 48.1 43.6 65.4
119 33.8 25.2 37.8



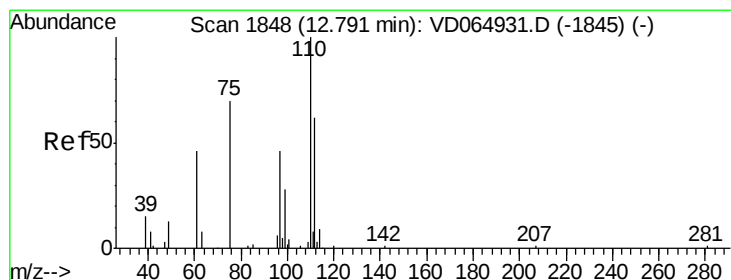
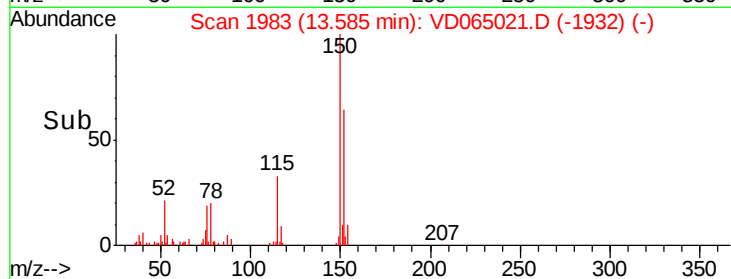
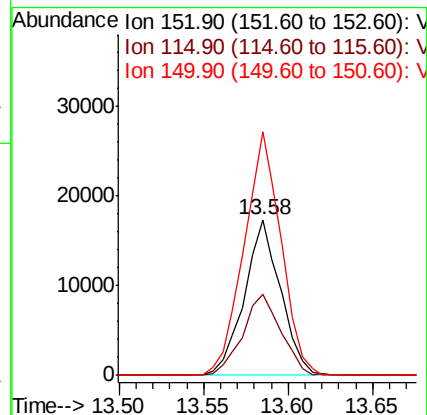
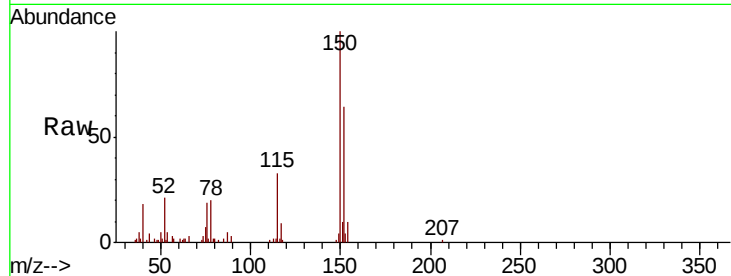


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065021.D
Acq: 30 Jan 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-04-BRE

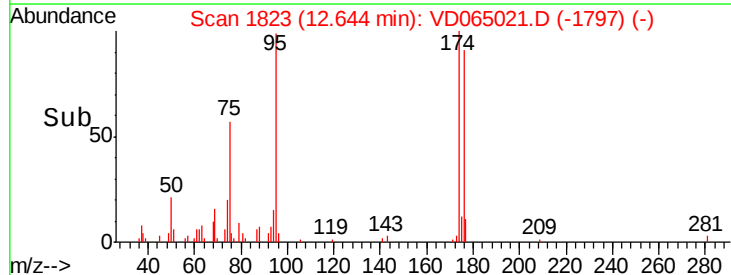
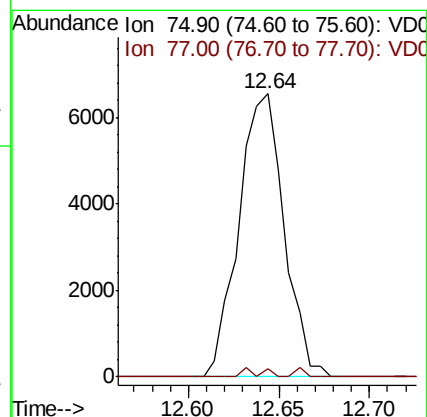
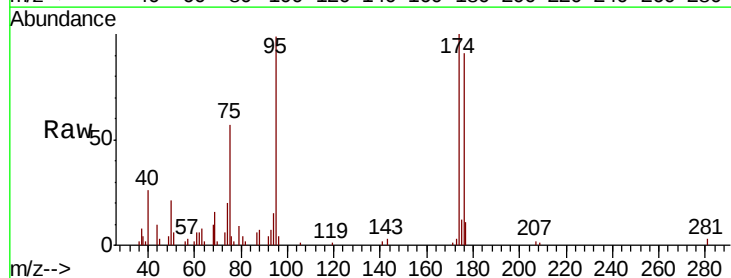
Tot Ion:152 Resp: 26045
Ion Ratio Lower Upper
152 100
115 54.6 28.1 84.4
150 158.8 0.0 350.4

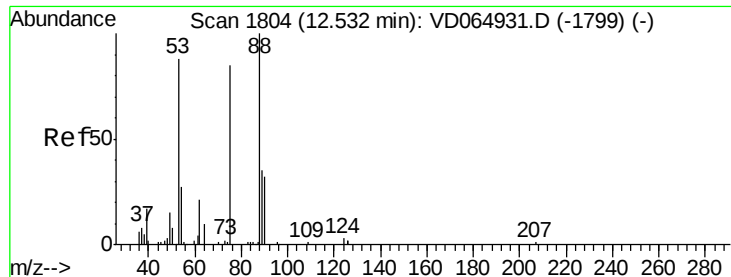


#76

1,2,3-Trichloropropane
Concen: 52.693 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD065021.D
Acq: 30 Jan 2020 19:05

Tgt Ion: 75 Resp: 11391
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.512 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065021.D

Acq: 30 Jan 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-04-BRE

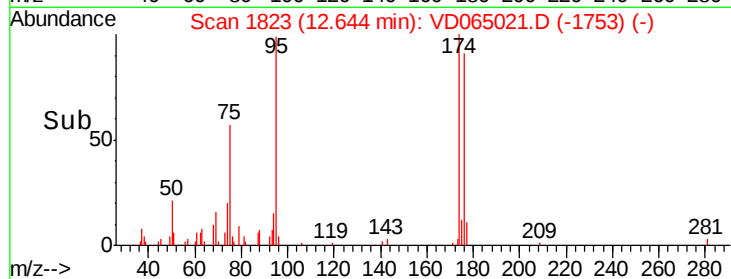
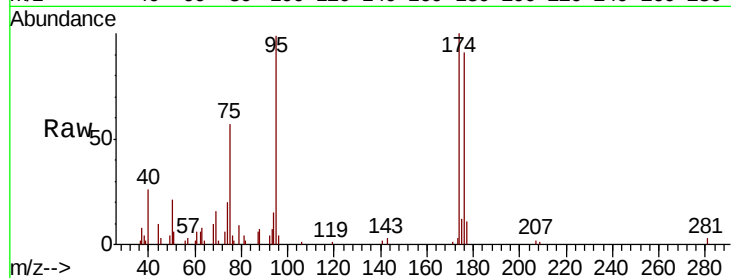
Tot Ion: 75 Resp: 11391

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

