

Data File : VD065515.D
Acq On : 16 Mar 2020 16:29
Operator : VA/SY
Sample : L1948-09
Misc : 5.09G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Quant Time: Mar 17 07:29:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	529395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	887706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	803453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	363138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	262647	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
35) Dibromofluoromethane	7.92	113	289408	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.34	98	1060749	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.64	95	318461	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

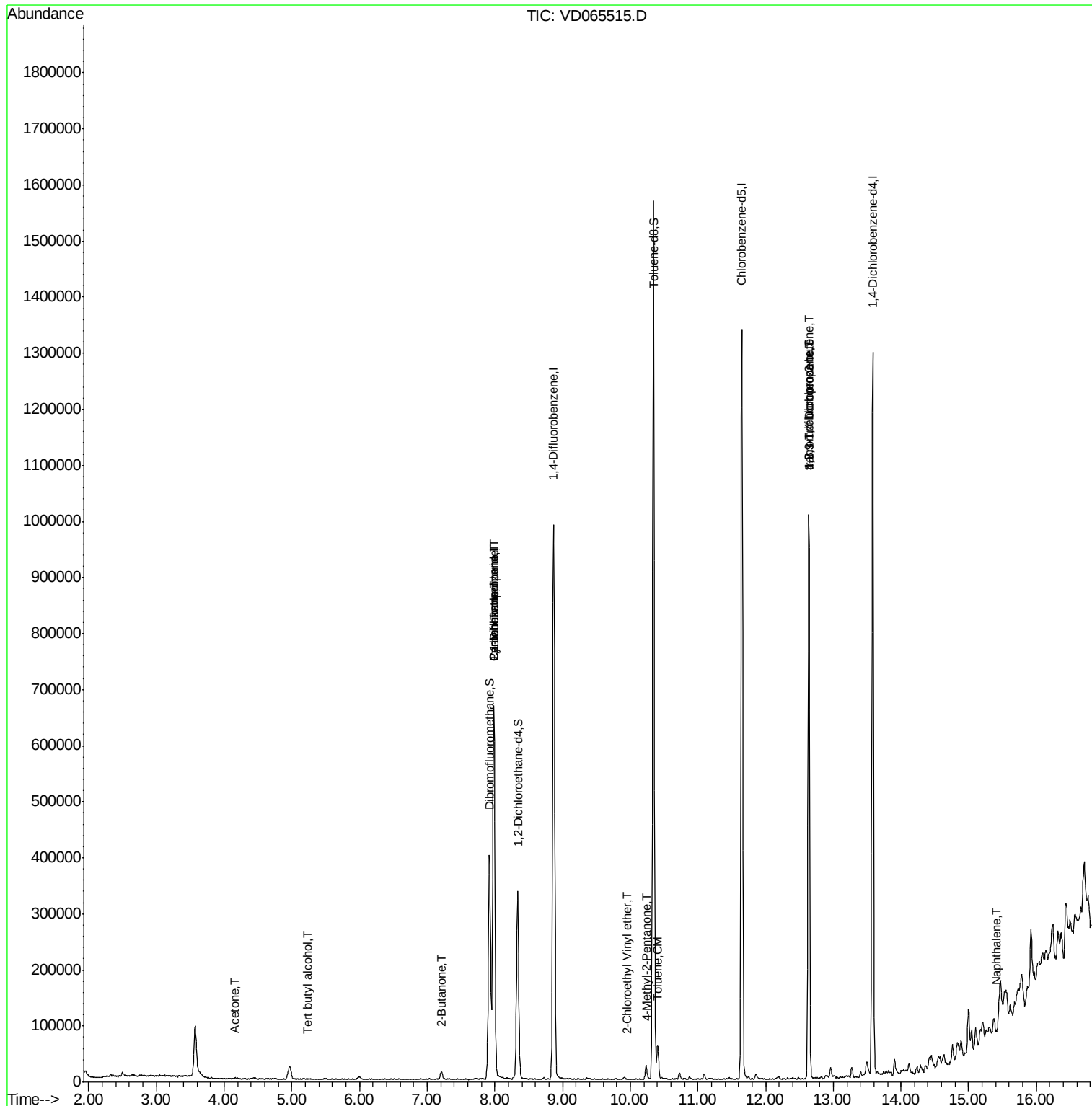
						Qvalue
5) Bromomethane	2.78	94	418	Below Cal	#	63
11) Tert butyl alcohol	5.24	59	1007	3.866	ug/l #	76
16) Acetone	4.16	43	4246	4.623	ug/l #	80
25) 2-Butanone	7.21	43	1373	1.096	ug/l #	47
31) Cyclohexane	7.98	56	10834	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36800	4.325	ug/l #	49
38) Carbon Tetrachloride	7.98	117	48906	5.542	ug/l #	18
51) 4-Methyl-2-Pentanone	10.23	43	17536	5.738	ug/l	95
52) Toluene	10.41	92	22870	1.526	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	54	2.217	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	152777	53.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	152777	112.514	ug/l #	14
95) Naphthalene	15.41	128	6027	4.876	ug/l #	84

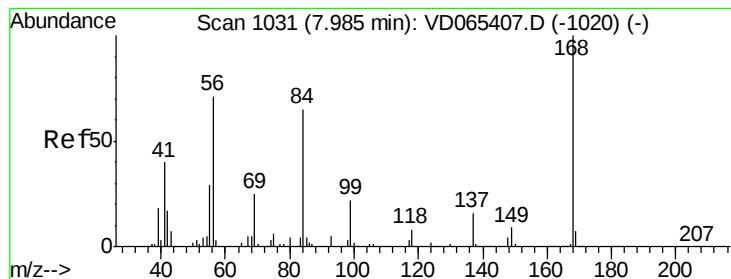
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

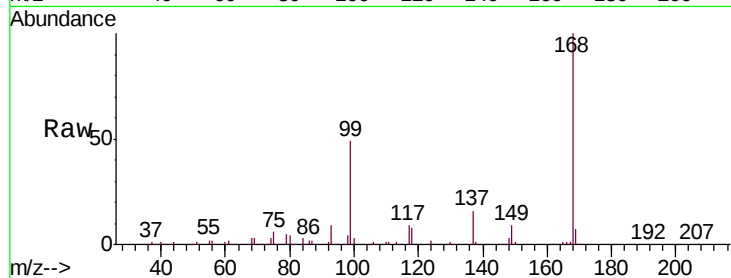
OILY-STONES

Tgt Ion:168 Resp: 529395

Ion Ratio Lower Upper

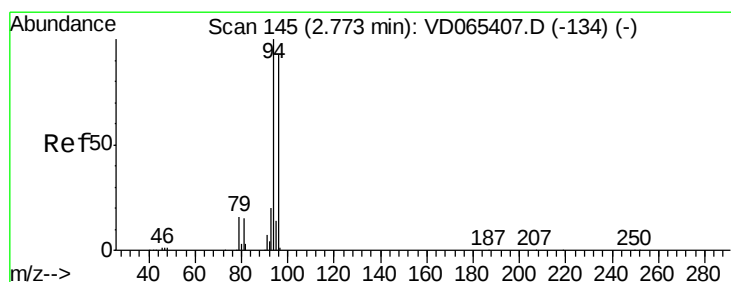
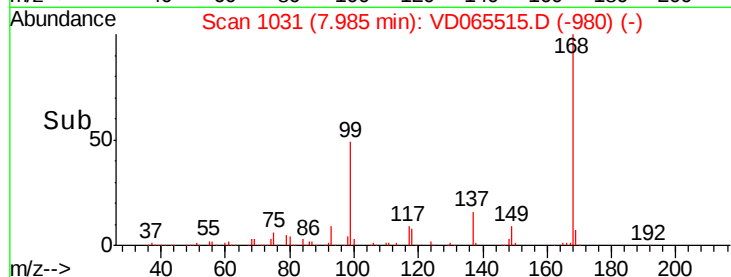
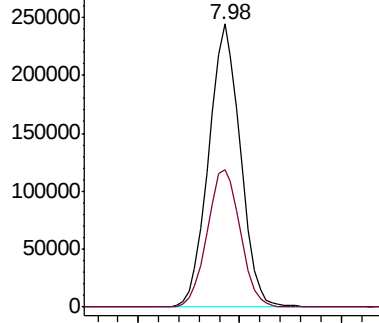
168 100

99 48.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065515.D

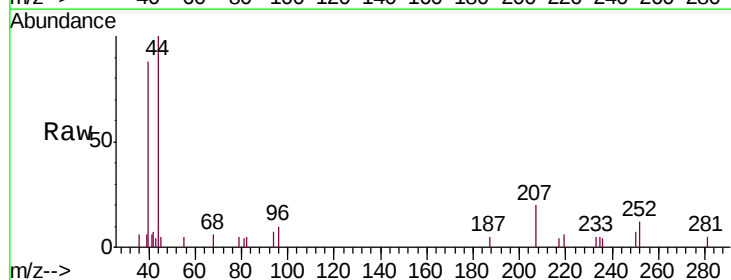
Acq: 16 Mar 2020 16:29

Tgt Ion: 94 Resp: 418

Ion Ratio Lower Upper

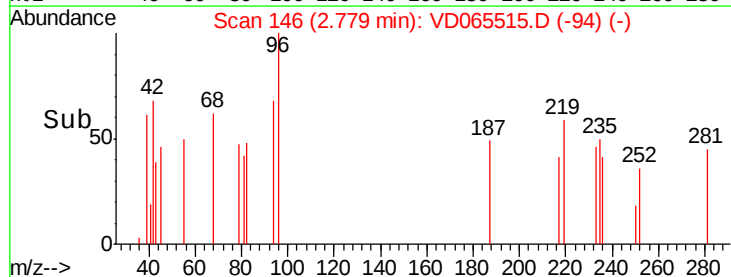
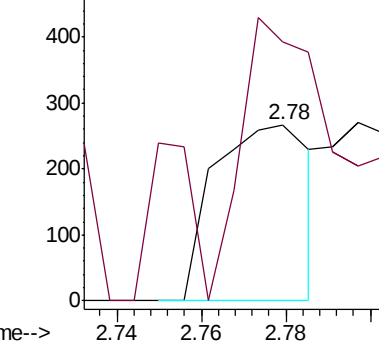
94 100

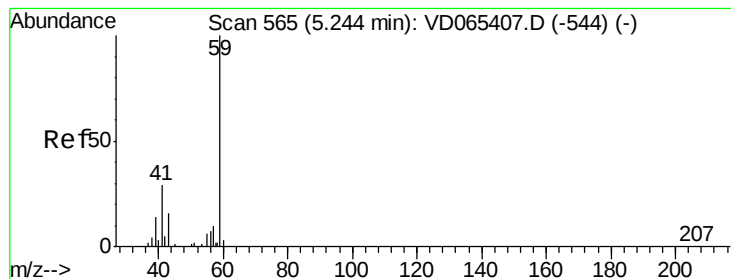
96 57.3 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#11

Tert butyl alcohol

Concen: 3.866 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

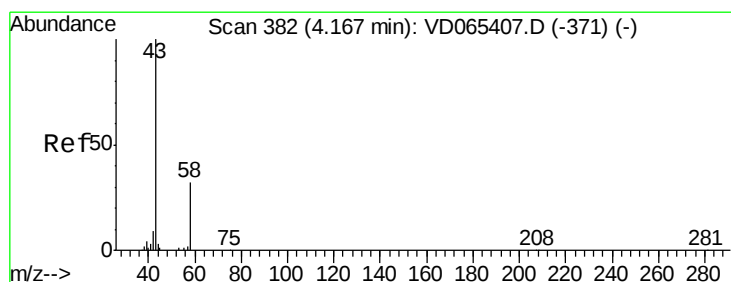
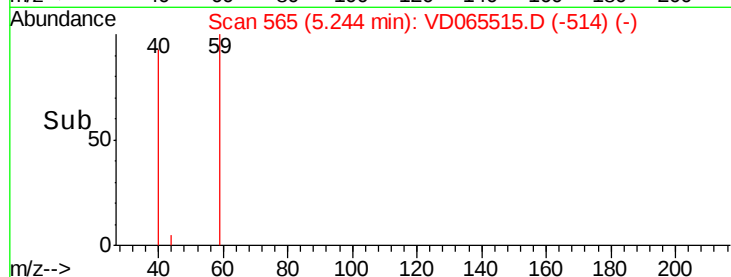
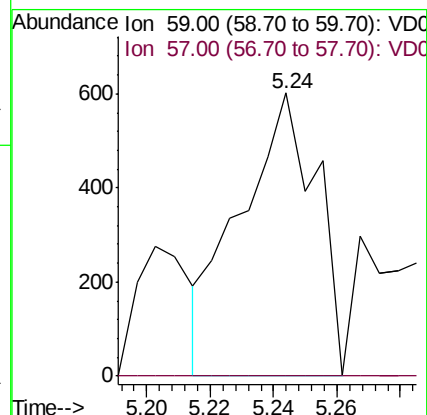
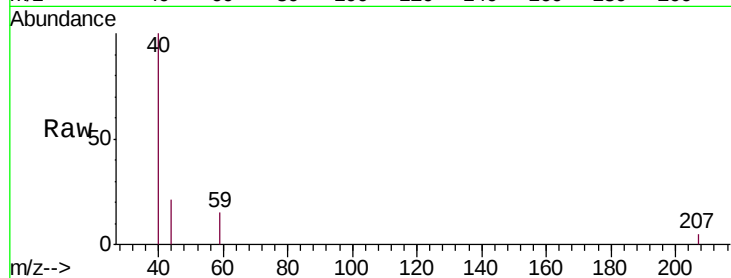
OILY-STONES

Tgt Ion: 59 Resp: 1007

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



#16

Acetone

Concen: 4.623 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065515.D

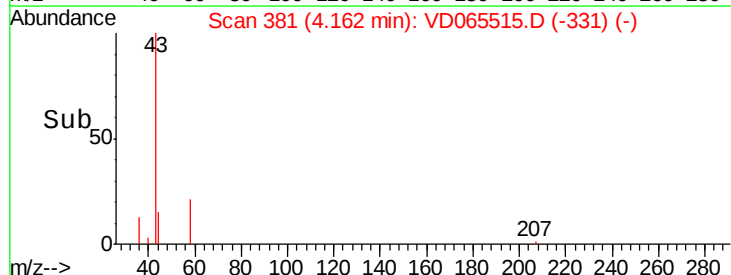
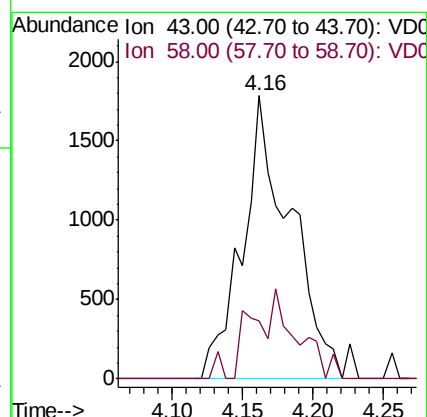
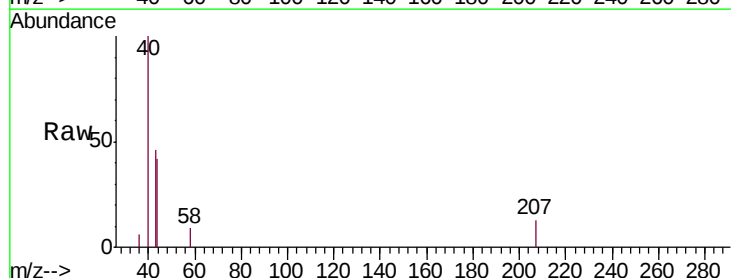
Acq: 16 Mar 2020 16:29

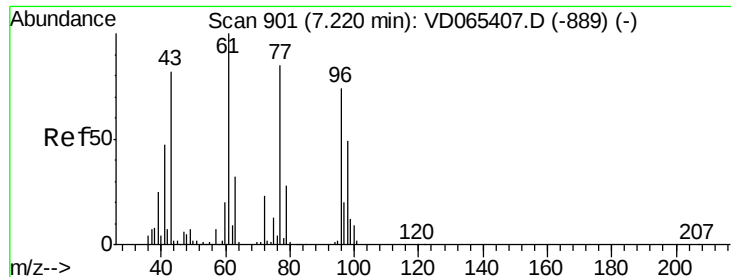
Tgt Ion: 43 Resp: 4246

Ion Ratio Lower Upper

43 100

58 20.6 25.1 37.7#





#25

2-Butanone

Concen: 1.096 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

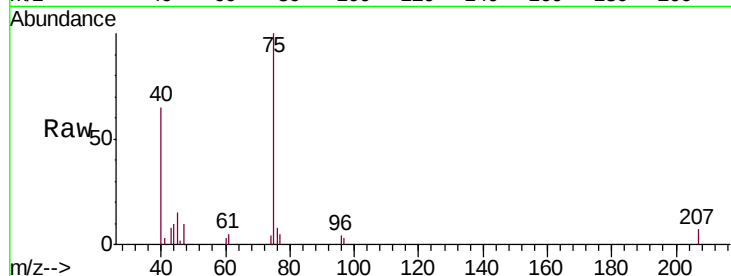
OILY-STONES

Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

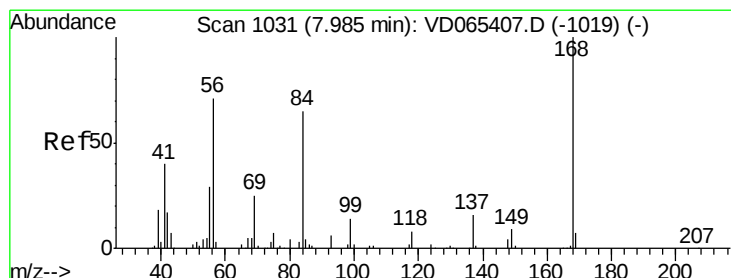
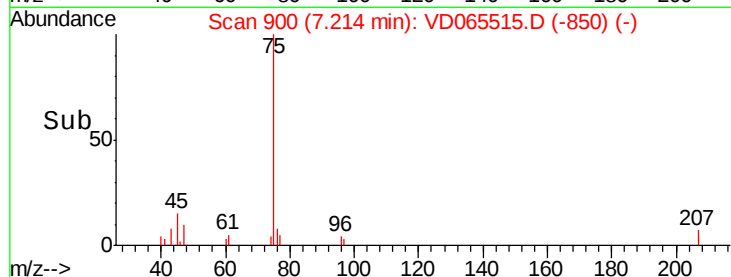
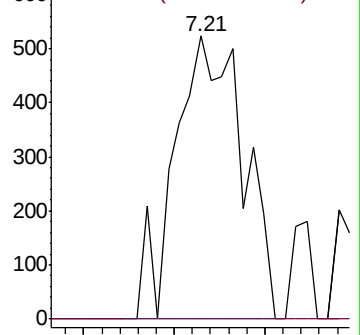
43 100

72 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

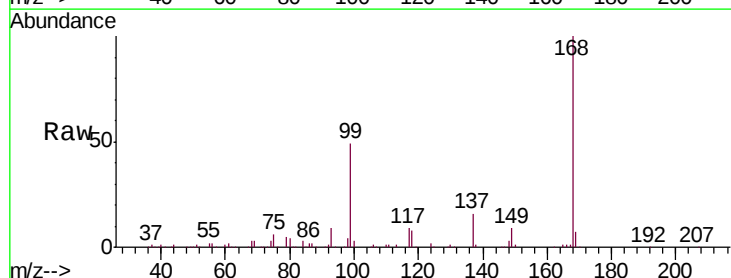
Tgt Ion: 56 Resp: 10834

Ion Ratio Lower Upper

56 100

69 186.9 28.3 42.5#

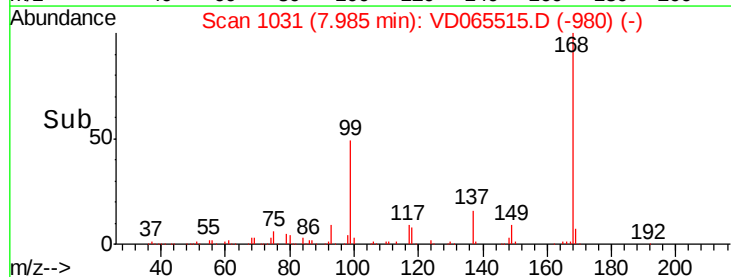
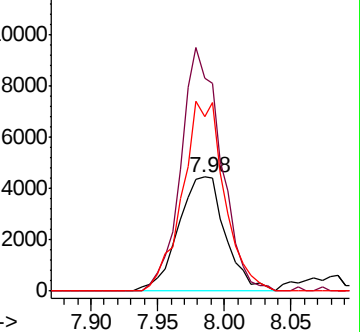
84 153.3 73.1 109.7#

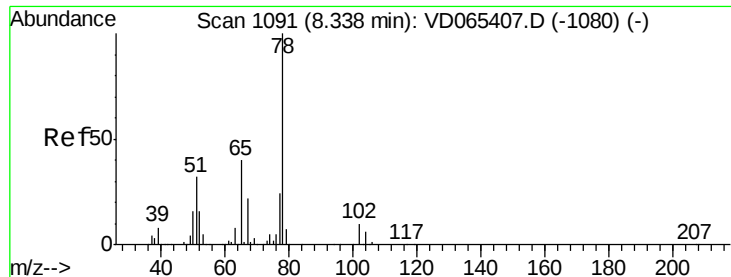


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

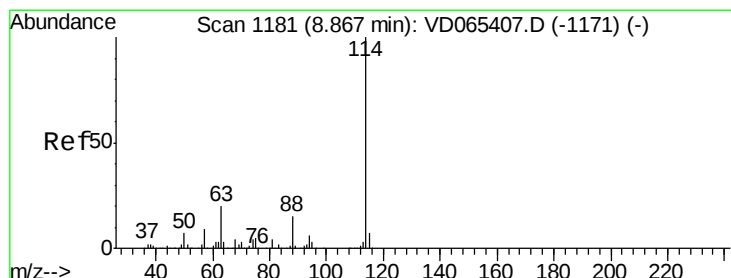
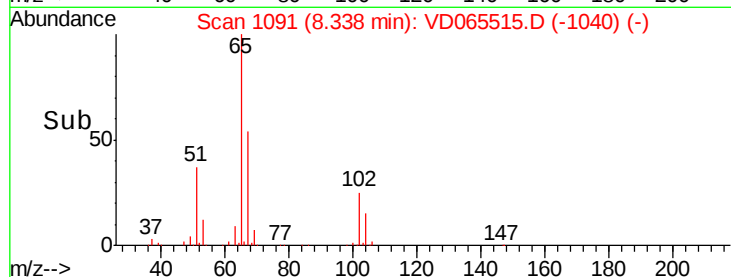
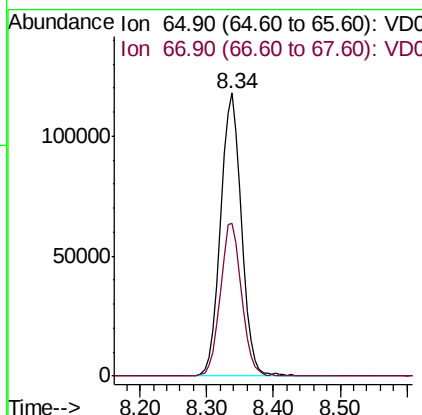
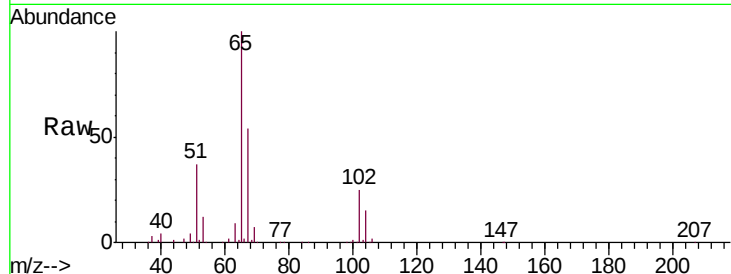




#33
 1,2-Dichloroethane-d4
 Concen: 57.837 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065515.D
 Acq: 16 Mar 2020 16:29

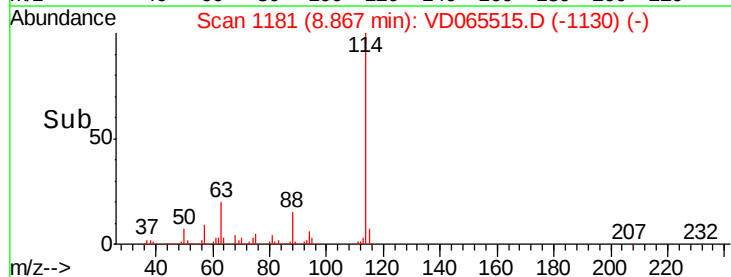
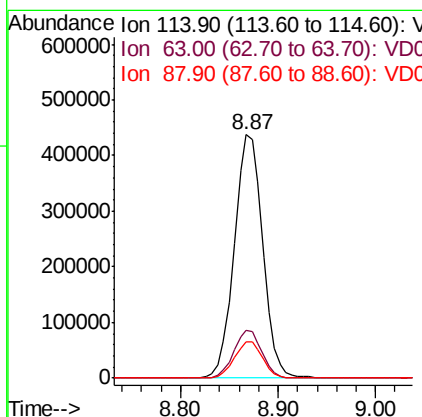
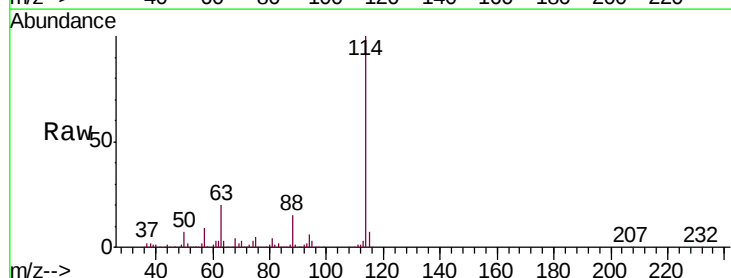
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

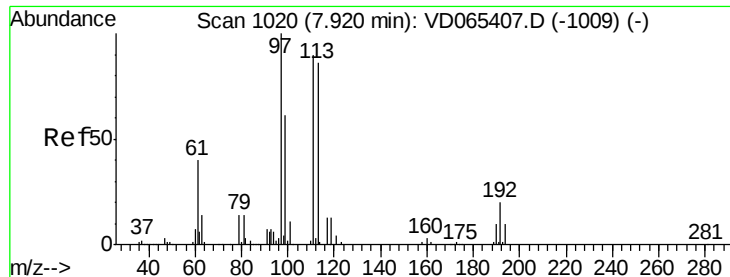
Tgt Ion: 65 Resp: 262647
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065515.D
 Acq: 16 Mar 2020 16:29

Tgt Ion: 114 Resp: 887706
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.719 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

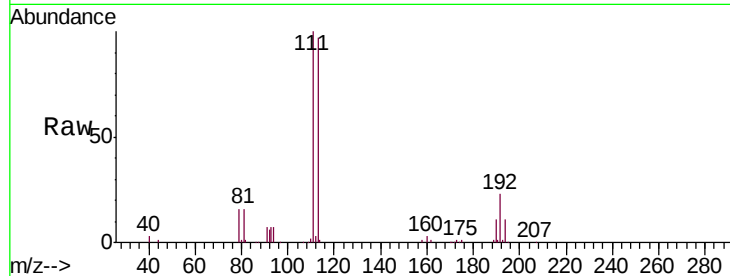
Tgt Ion:113 Resp: 289408

Ion Ratio Lower Upper

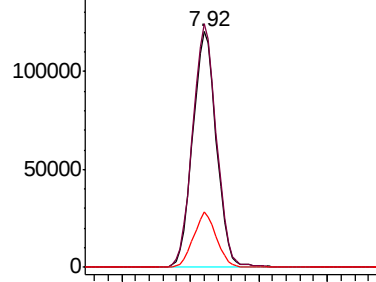
113 100

111 103.3 82.1 123.1

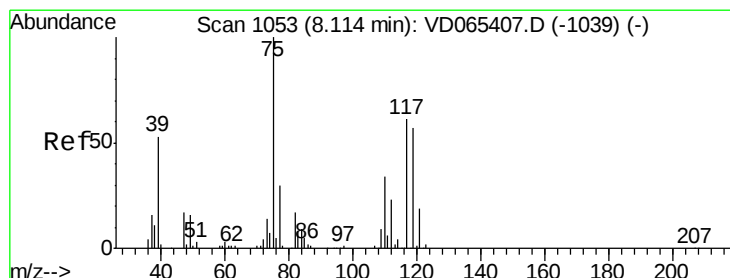
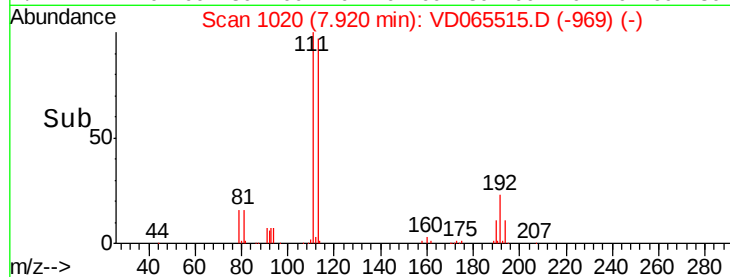
192 22.6 17.2 25.8



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



Time-->



#36

1,1-Dichloropropene

Concen: 4.325 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

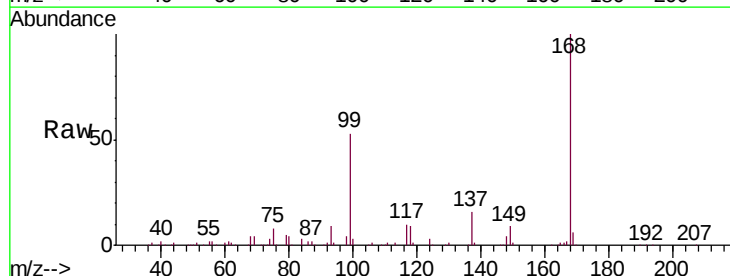
Tgt Ion: 75 Resp: 36800

Ion Ratio Lower Upper

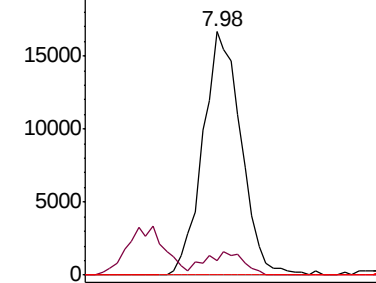
75 100

110 9.6 18.1 54.1#

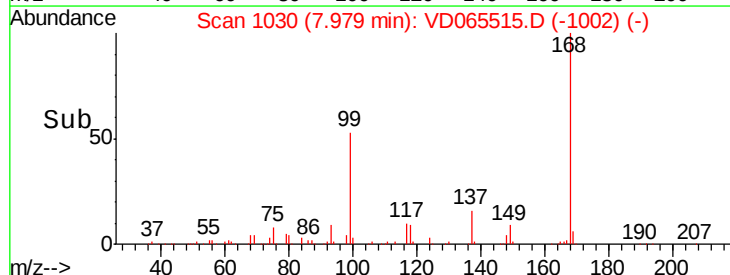
77 0.0 25.2 37.8#

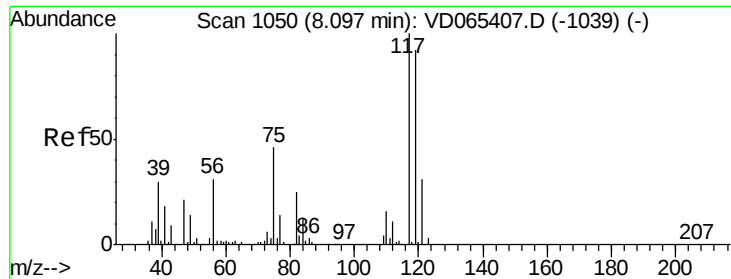


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC



Time-->





#38

Carbon Tetrachloride

Concen: 5.542 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

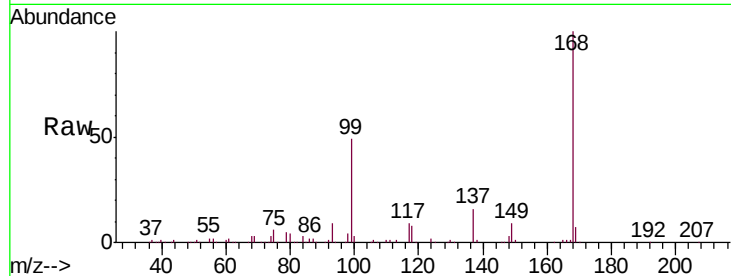
Tgt Ion:117 Resp: 48906

Ion Ratio Lower Upper

117 100

119 5.2 73.3 109.9#

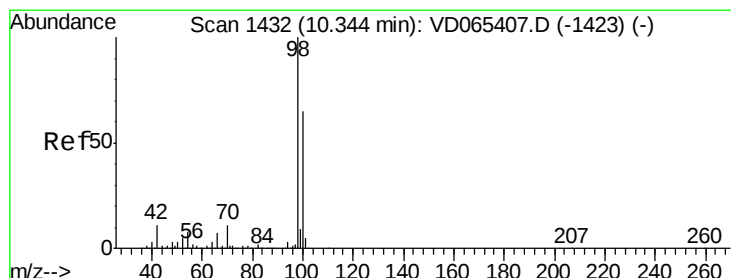
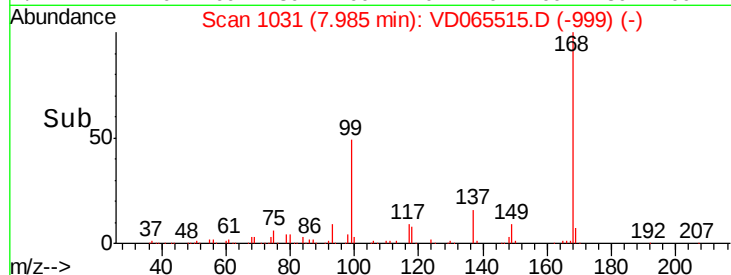
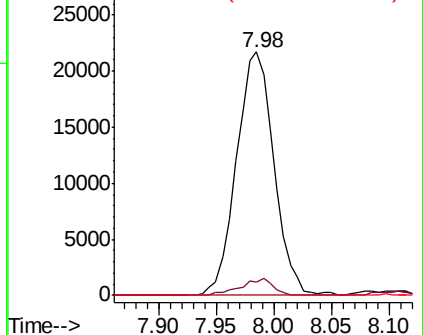
121 0.0 25.0 37.4#



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: 50.367 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065515.D

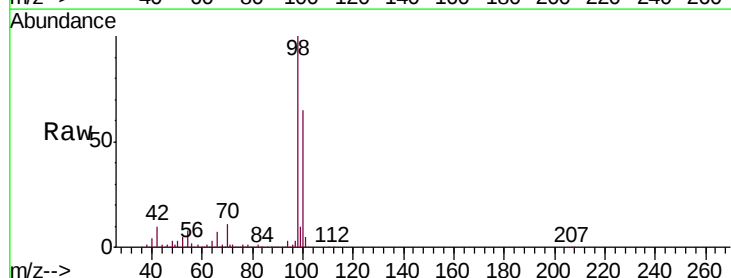
Acq: 16 Mar 2020 16:29

Tgt Ion: 98 Resp: 1060749

Ion Ratio Lower Upper

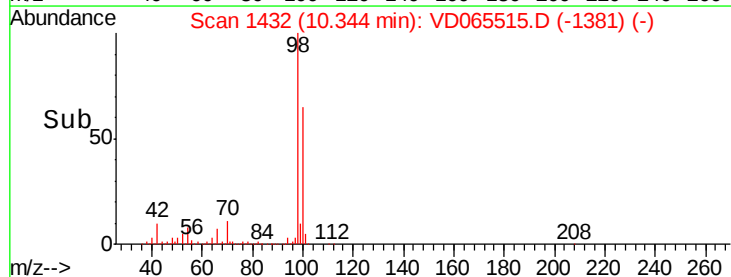
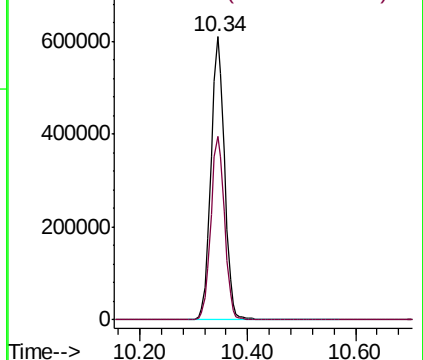
98 100

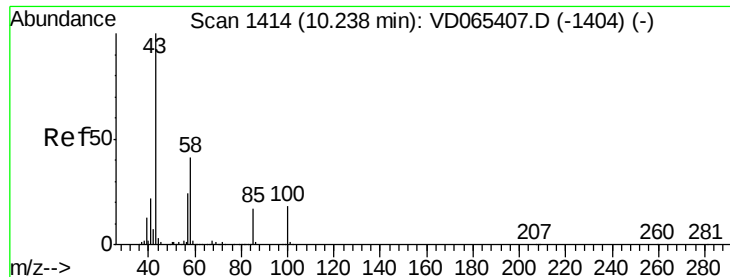
100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

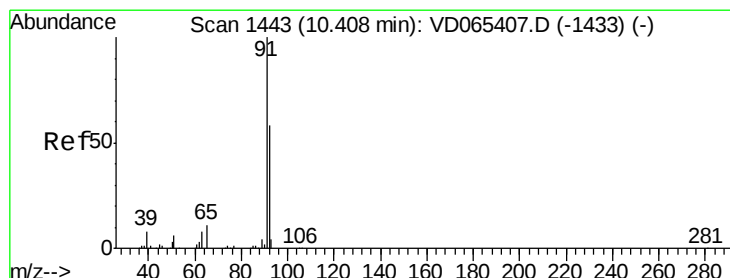
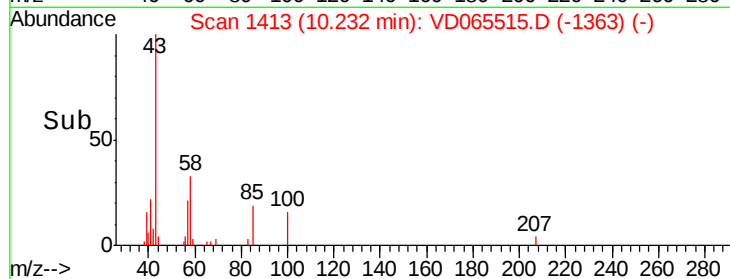
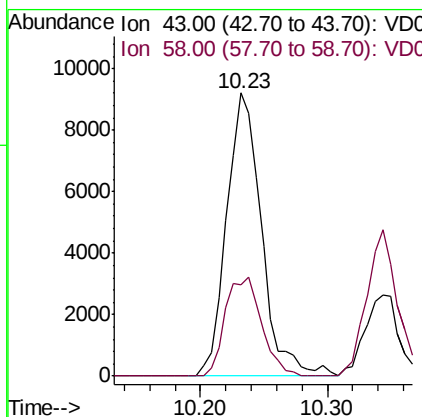
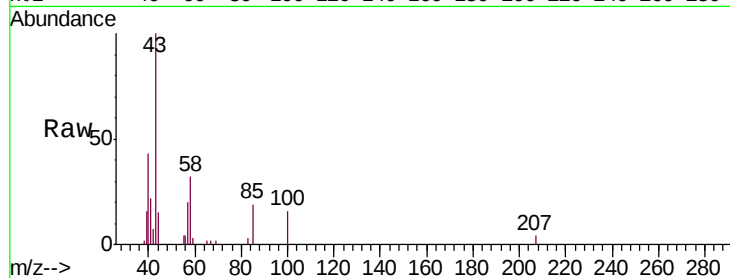




#51
 4-Methyl-2-Pentanone
 Concen: 5.738 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065515.D
 Acq: 16 Mar 2020 16:29

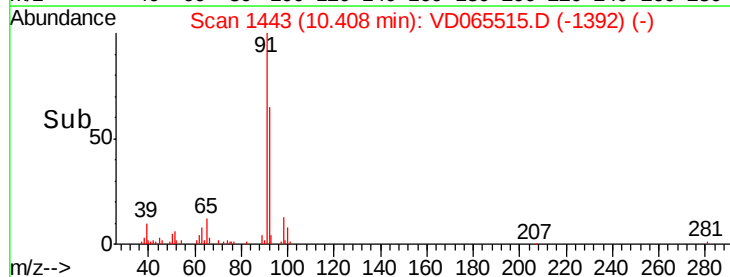
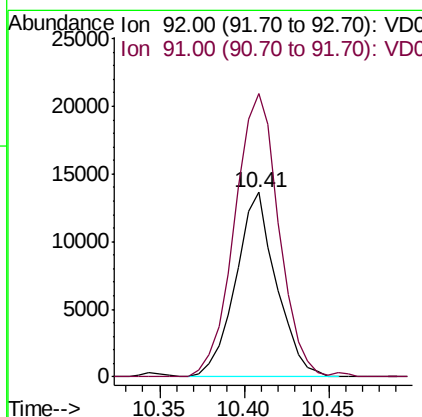
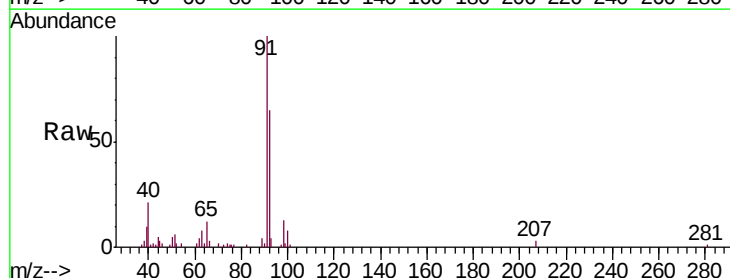
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

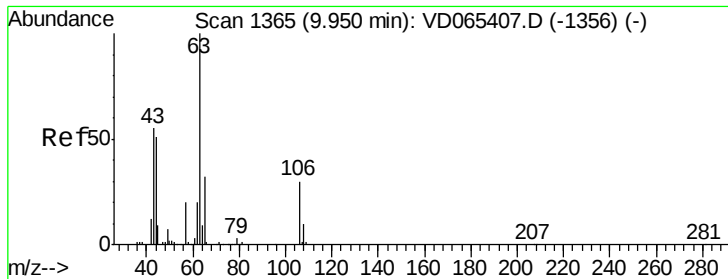
Tgt Ion: 43 Resp: 17536
 Ion Ratio Lower Upper
 43 100
 58 36.4 31.8 47.6



#52
 Toluene
 Concen: 1.526 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065515.D
 Acq: 16 Mar 2020 16:29

Tgt Ion: 92 Resp: 22870
 Ion Ratio Lower Upper
 92 100
 91 167.4 137.8 206.8

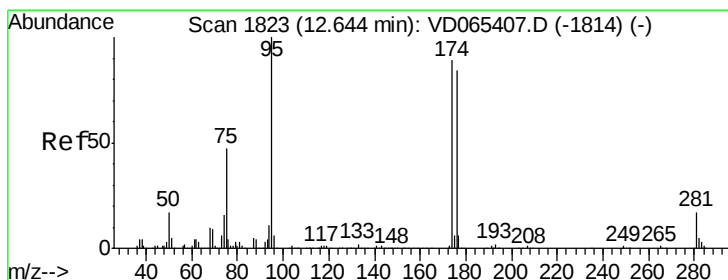
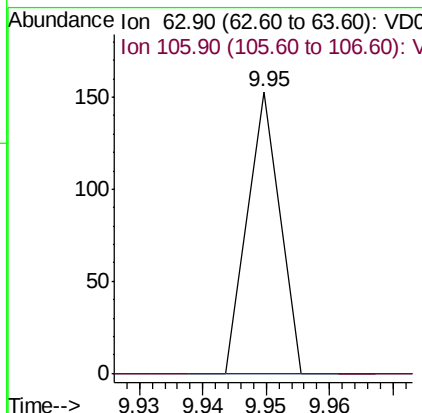
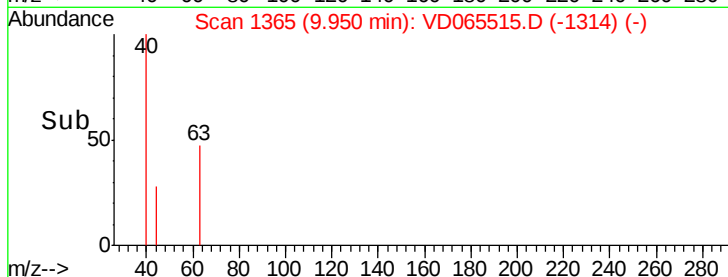
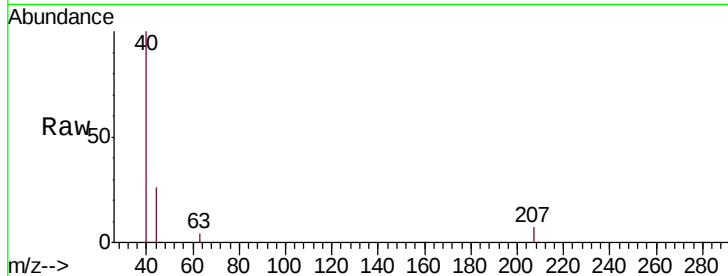




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.217 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065515.D
 Acq: 16 Mar 2020 16:29

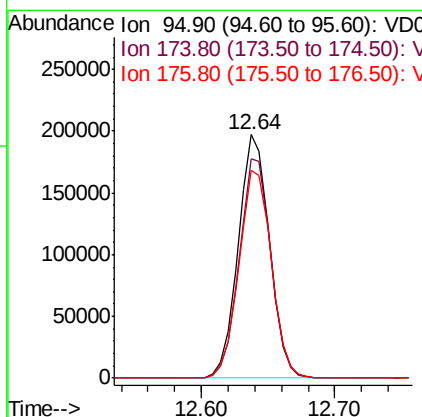
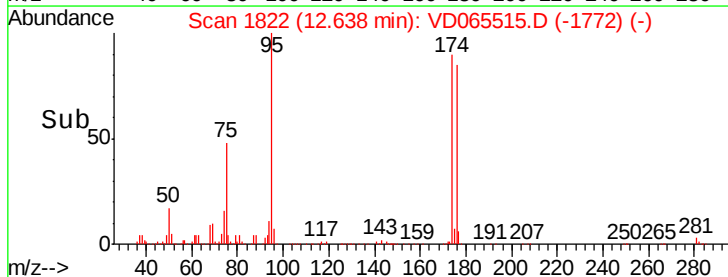
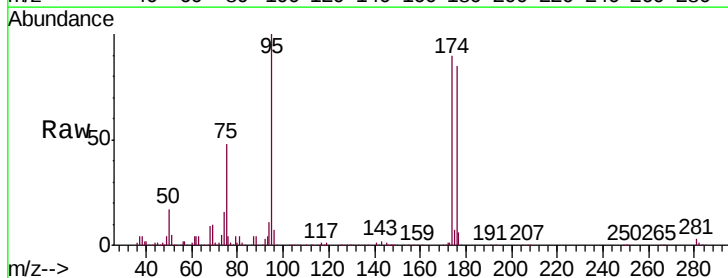
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

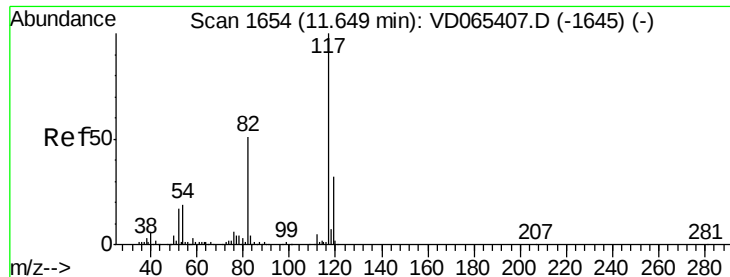
Tgt Ion: 63 Resp: 54
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.3 34.9#



#62
 4-Bromofluorobenzene
 Concen: 48.983 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065515.D
 Acq: 16 Mar 2020 16:29

Tgt Ion: 95 Resp: 318461
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 176.8
 176 88.3 0.0 171.4

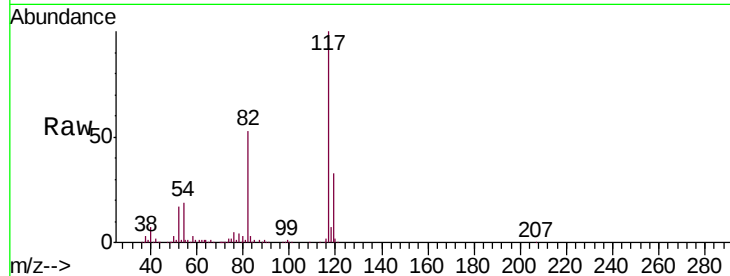




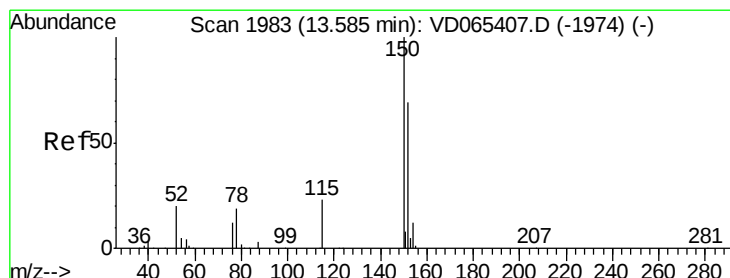
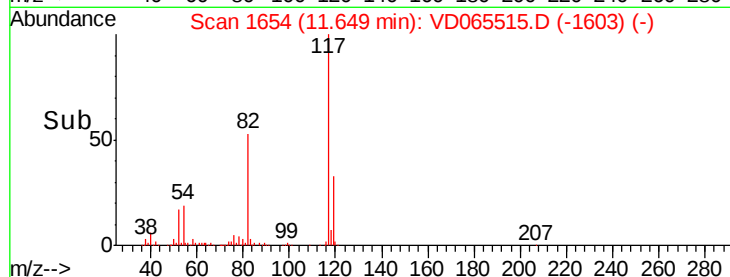
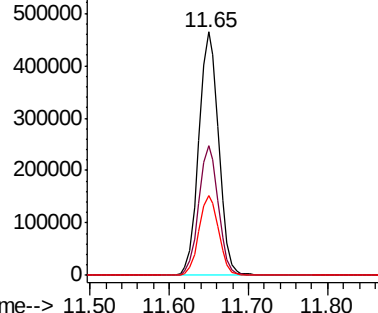
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065515.D
Acq: 16 Mar 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tgt Ion:117 Resp: 803453
Ion Ratio Lower Upper
117 100
82 53.2 40.6 60.8
119 32.6 25.4 38.2

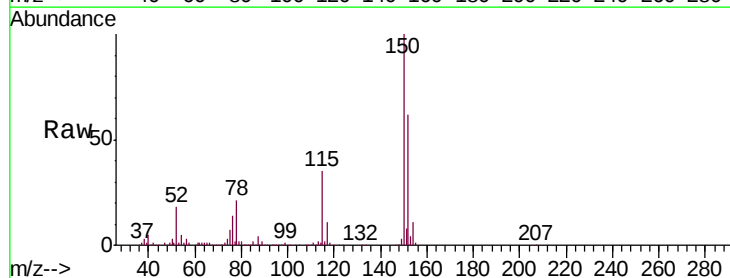


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

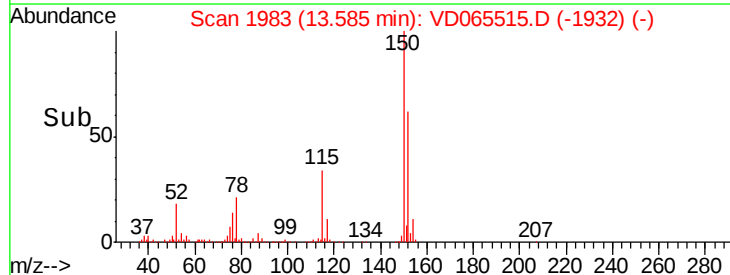
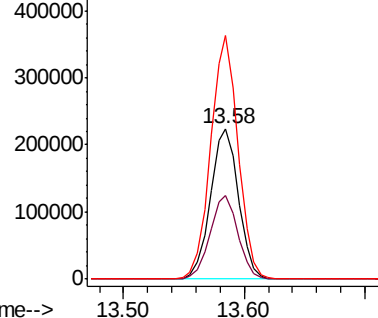


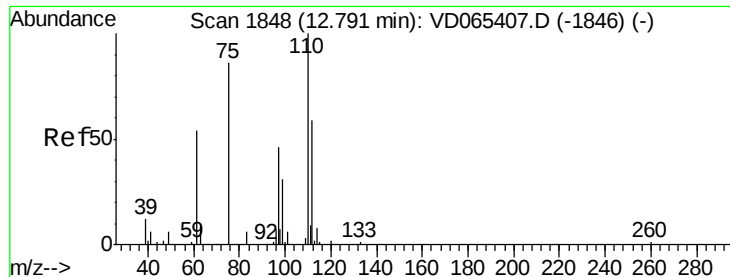
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065515.D
Acq: 16 Mar 2020 16:29

Tgt Ion:152 Resp: 363138
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 157.2 0.0 345.0



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: 53.317 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

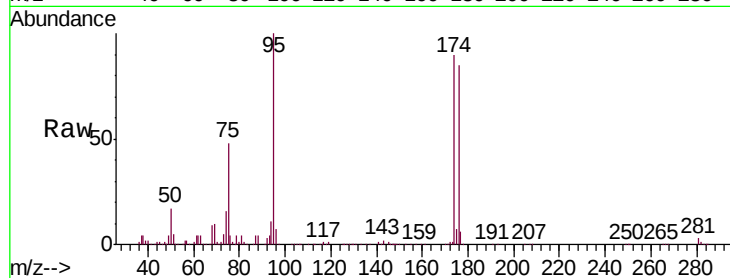
OILY-STONES

Tgt Ion: 75 Resp: 152777

Ion Ratio Lower Upper

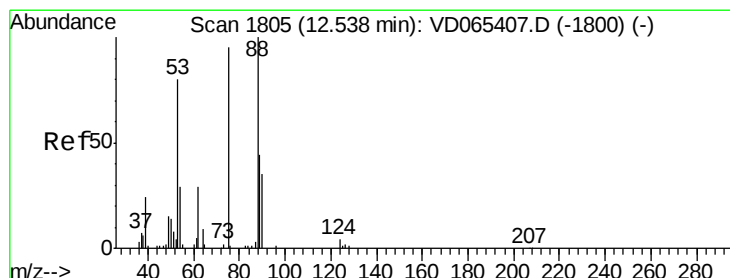
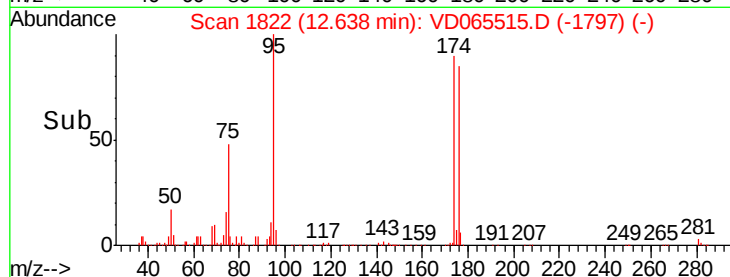
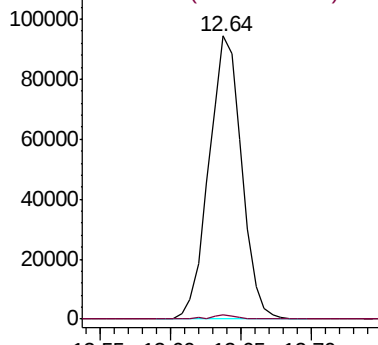
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 112.514 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065515.D

Acq: 16 Mar 2020 16:29

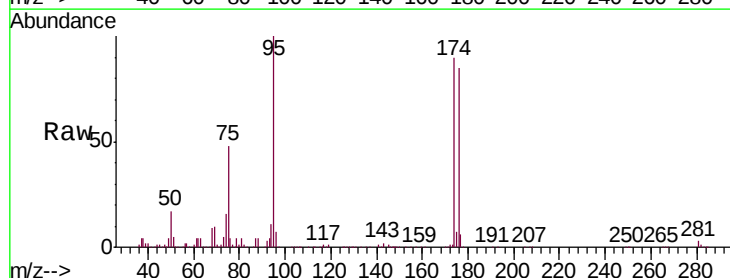
Tgt Ion: 75 Resp: 152777

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

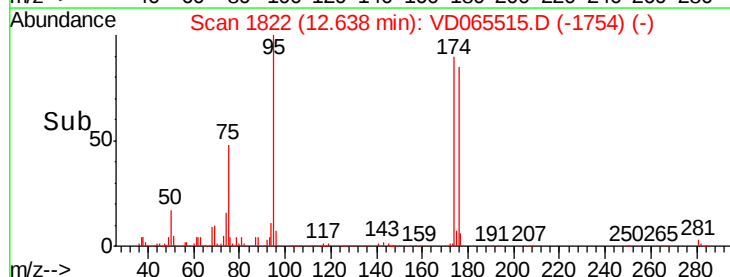
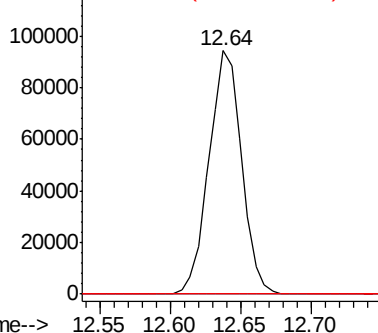
89 0.0 37.0 55.6#

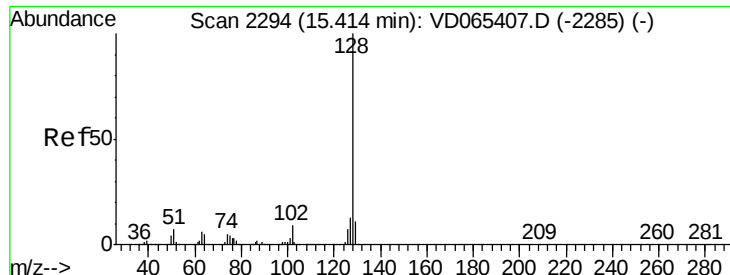


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

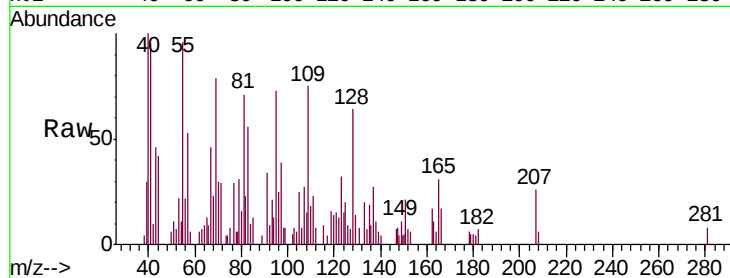




#95
Naphthalene
Concen: 4.876 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065515.D
Acq: 16 Mar 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.6	16.0#
129	20.4	8.7	13.1#



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

