

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060595.D
 Acq On : 17 Dec 2018 13:13
 Operator : VA/AP
 Sample : J6429-01
 Misc : 5.06g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

Quant Time: Dec 18 11:15:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1643476	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	2275412	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1823228	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	915789	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	599030	51.42	ug/l	0.01
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	6.35	113	812918	48.64	ug/l	0.02
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	9.47	98	2385147	49.32	ug/l	0.01
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.43	95	844639	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

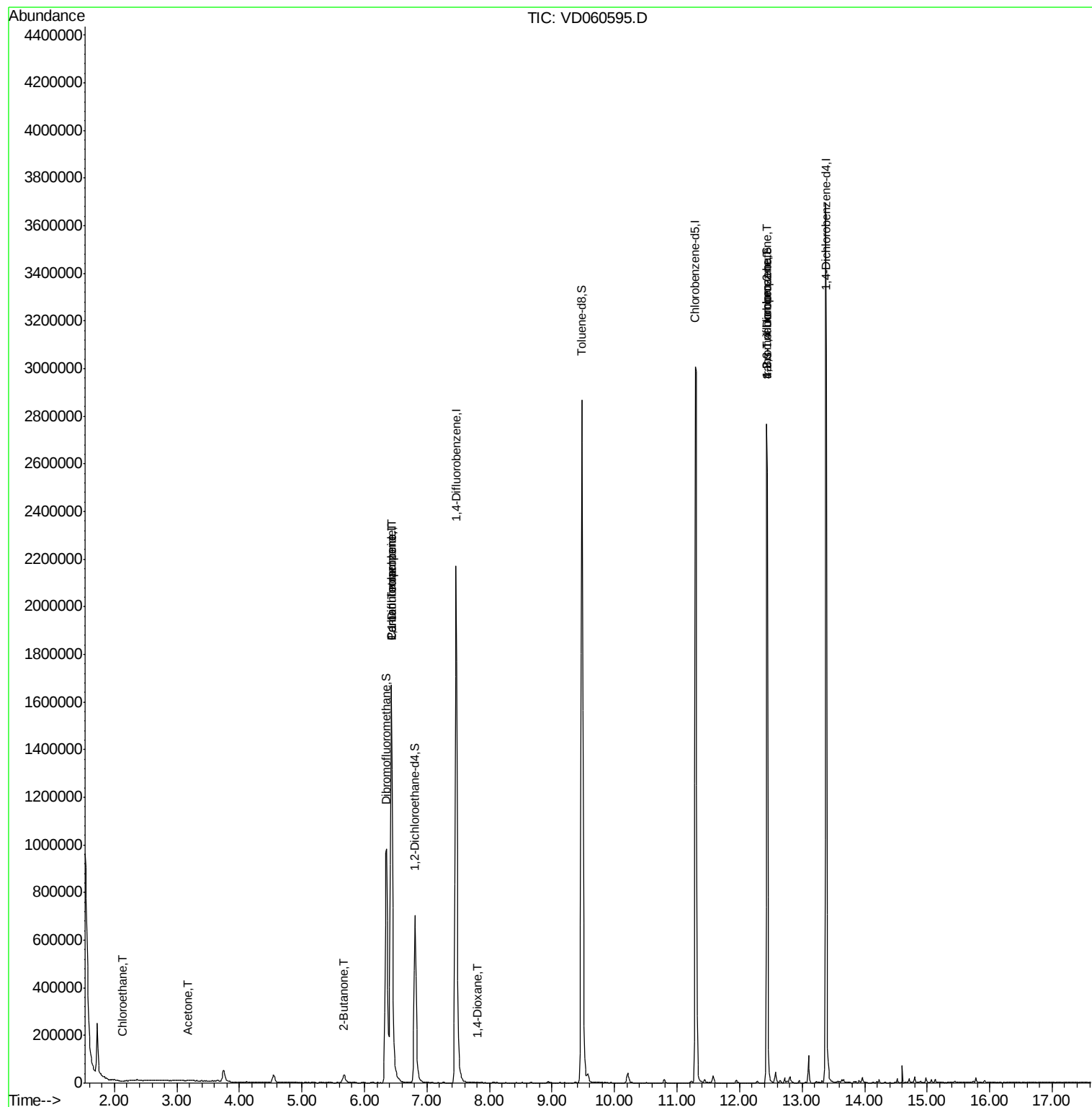
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	4531	Below Cal		89
6) Chloroethane	2.12	64	192	2.332	ug/l #	42
16) Acetone	3.17	43	8151	4.365	ug/l #	54
20) Methylene Chloride	3.75	84	28988	Below Cal		93
25) 2-Butanone	5.66	43	4570	1.244	ug/l #	59
31) Cyclohexane	6.43	56	31269	Below Cal	#	1
36) 1,1-Dichloropropene	6.43	75	112910	5.077	ug/l #	49
38) Carbon Tetrachloride	6.43	117	127795	6.400	ug/l #	15
49) 1,4-Dioxane	7.81	88	207	3.242	ug/l #	26
76) 1,2,3-Trichloropropane	12.43	75	335582	32.341	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	337779	116.715	ug/l #	14
89) n-Butylbenzene	13.66	91	5895	Below Cal		87

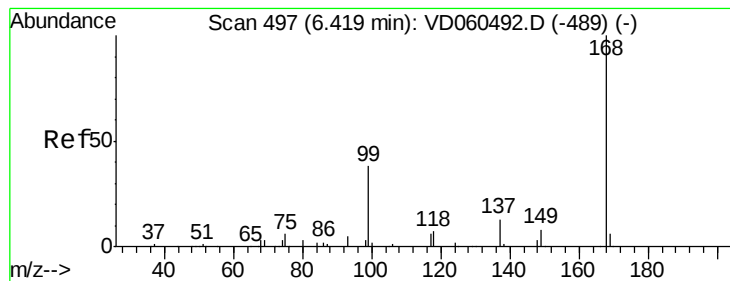
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060595.D

Acq: 17 Dec 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

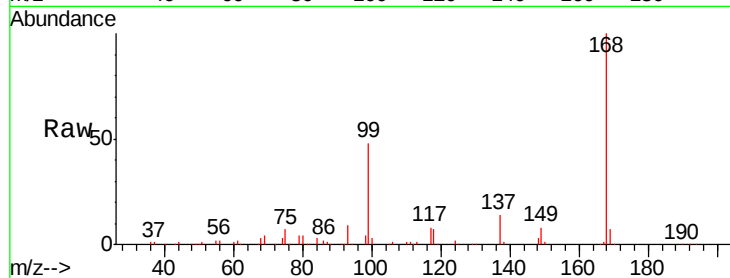
OILY-STONES

Tgt Ion:168 Resp: 1643476

Ion Ratio Lower Upper

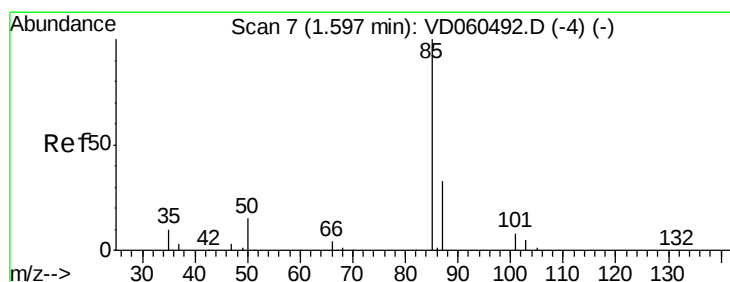
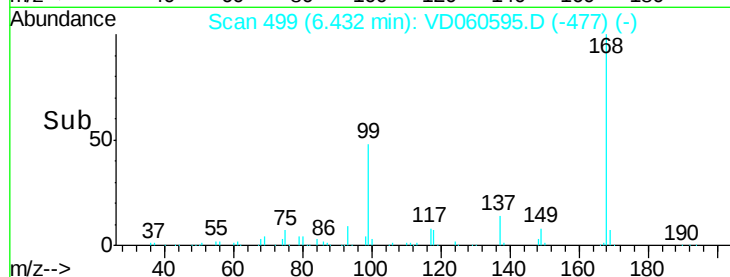
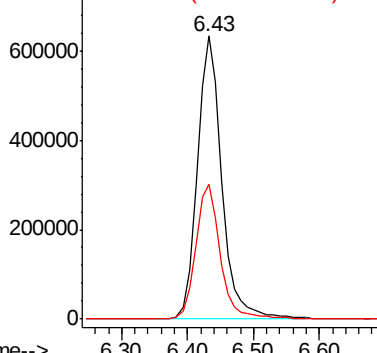
168 100

99 47.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060595.D

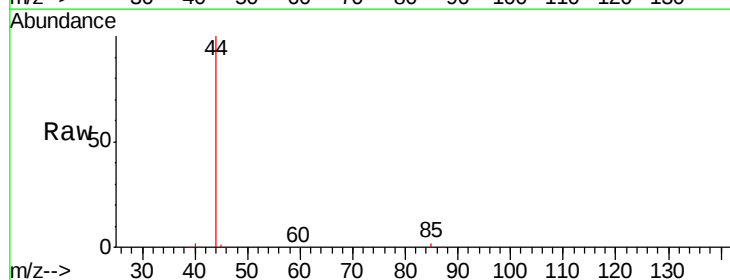
Acq: 17 Dec 2018 13:13

Tgt Ion: 85 Resp: 4531

Ion Ratio Lower Upper

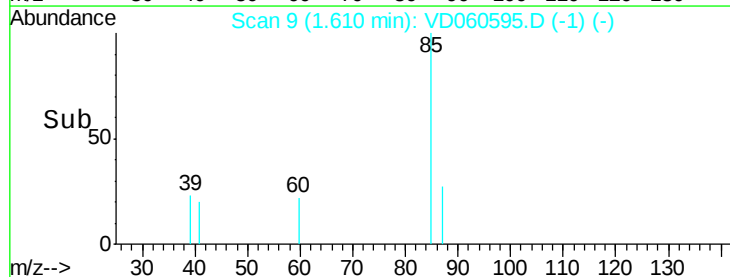
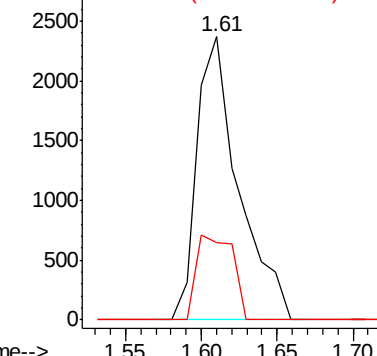
85 100

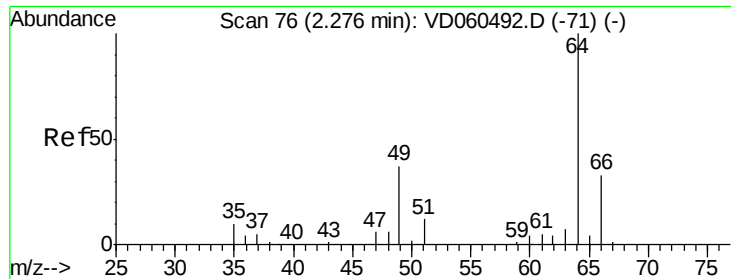
87 27.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#6

Chloroethane

Concen: 2.332 ug/l

RT: 2.12 min Scan# 61

Delta R.T. -0.15 min

Lab File: VD060595.D

Acq: 17 Dec 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

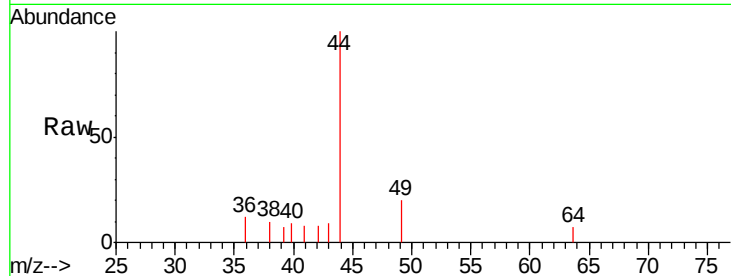
OILY-STONES

Tgt Ion: 64 Resp: 192

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.12

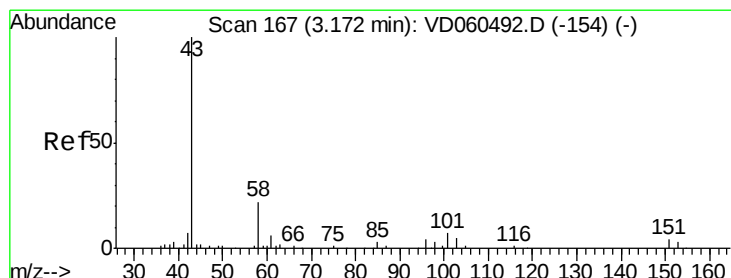
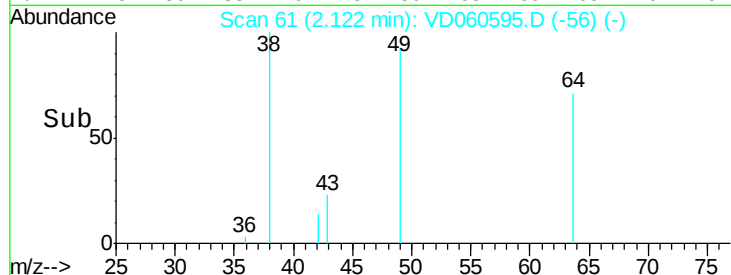
300

200

100

0

Time--> 2.10 2.12 2.14



#16

Acetone

Concen: 4.365 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060595.D

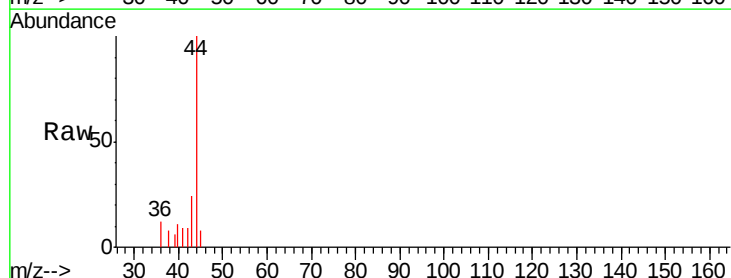
Acq: 17 Dec 2018 13:13

Tgt Ion: 43 Resp: 8151

Ion Ratio Lower Upper

43 100

58 0.0 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.17

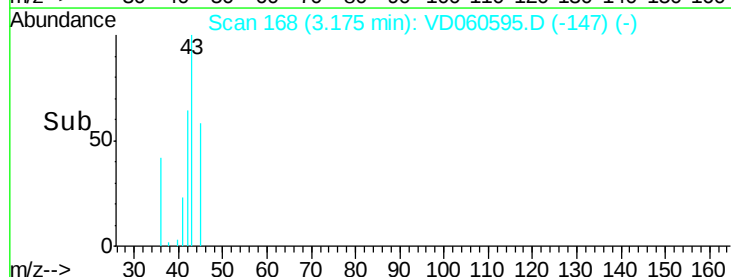
1500

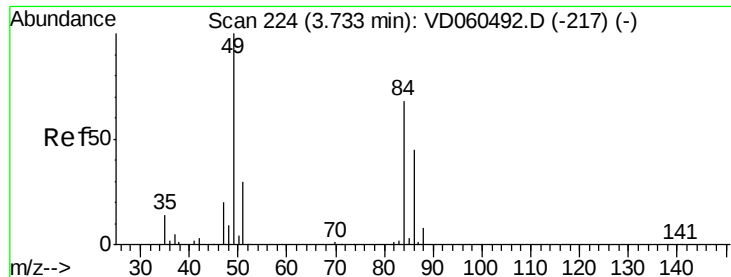
1000

500

0

Time--> 3.10 3.20 3.30

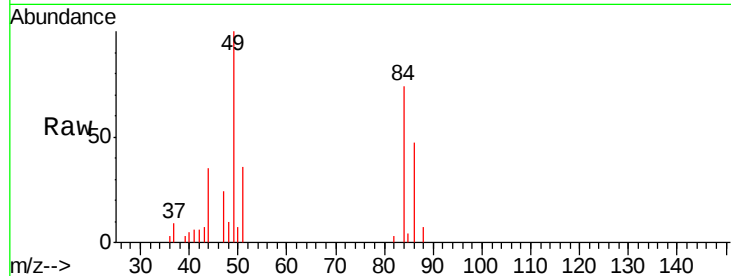




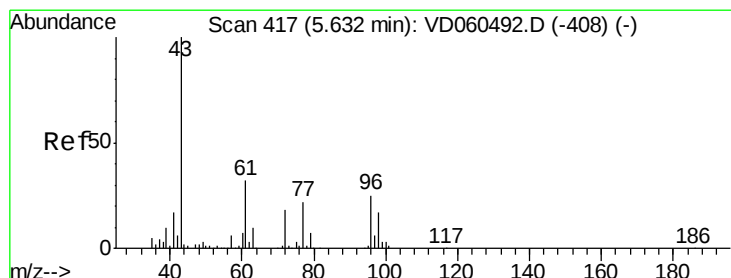
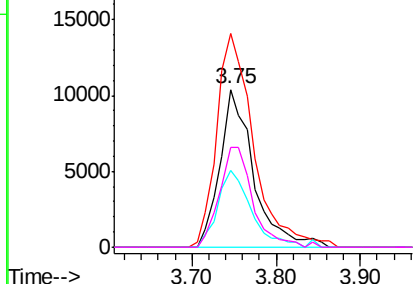
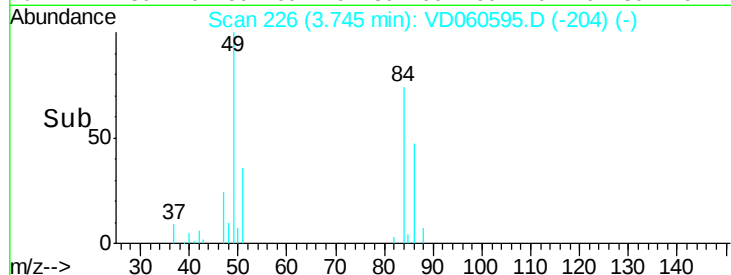
#20
Methylene Chloride
Concen: Below Cal
RT: 3.75 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD060595.D
Acq: 17 Dec 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tgt Ion: 84 Resp: 28988
Ion Ratio Lower Upper
84 100
49 135.3 117.2 175.8
51 48.4 35.3 52.9
86 63.4 53.2 79.8

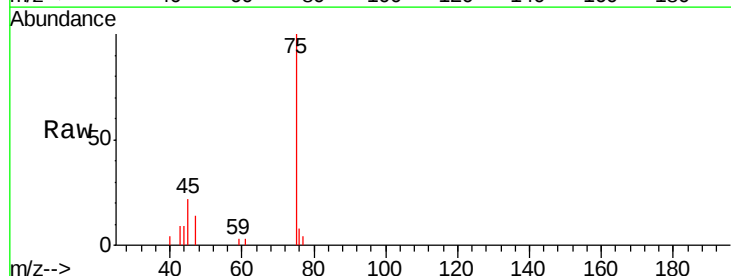


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

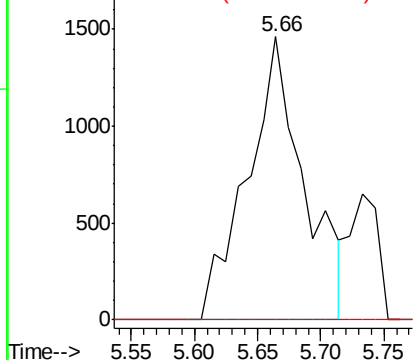
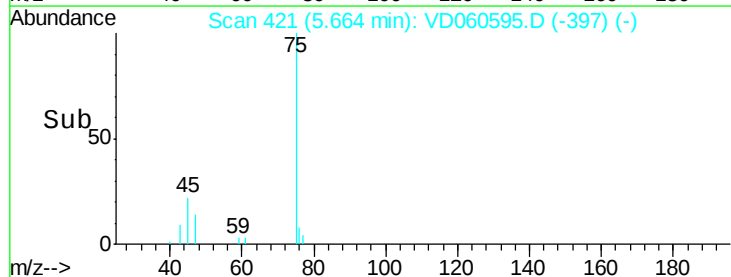


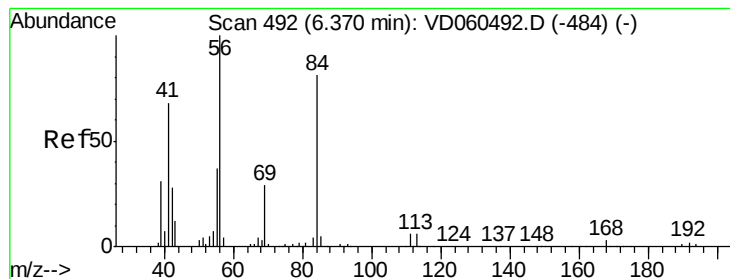
#25
2-Butanone
Concen: 1.244 ug/l
RT: 5.66 min Scan# 421
Delta R.T. 0.03 min
Lab File: VD060595.D
Acq: 17 Dec 2018 13:13

Tgt Ion: 43 Resp: 4570
Ion Ratio Lower Upper
43 100
72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 6.43 min Scan# 499

Delta R.T. 0.06 min

Lab File: VD060595.D

Acq: 17 Dec 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

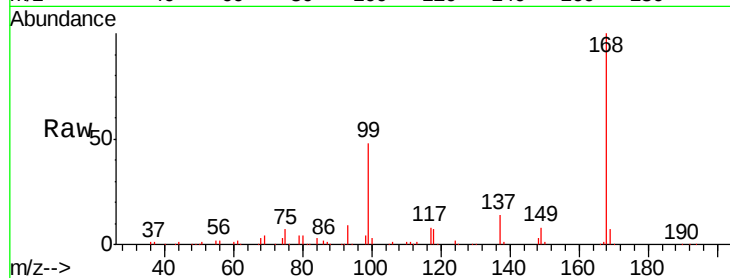
Tgt Ion: 56 Resp: 31269

Ion Ratio Lower Upper

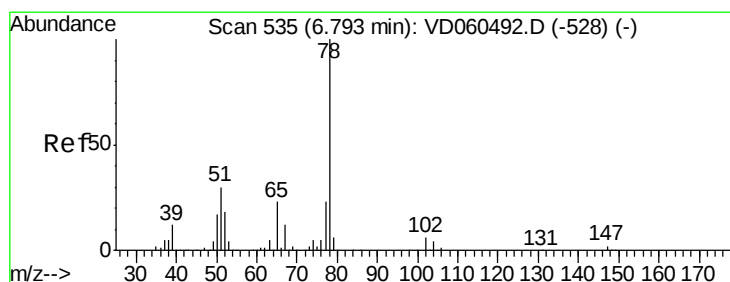
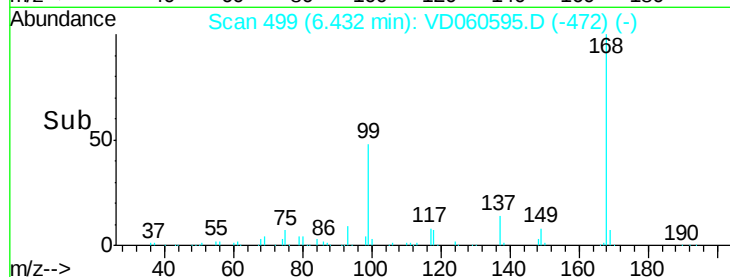
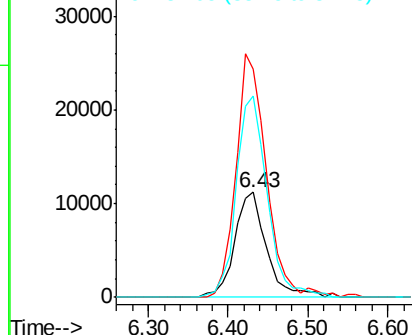
56 100

69 217.9 22.8 34.2#

84 192.0 65.1 97.7#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060595.D

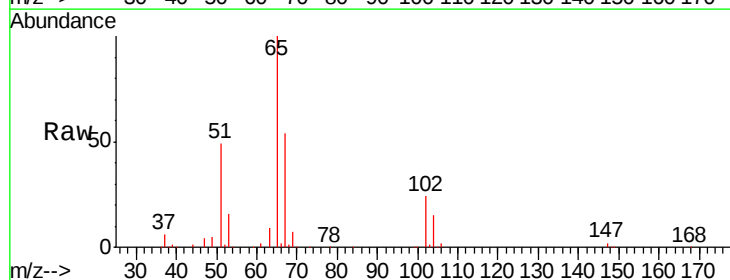
Acq: 17 Dec 2018 13:13

Tgt Ion: 65 Resp: 599030

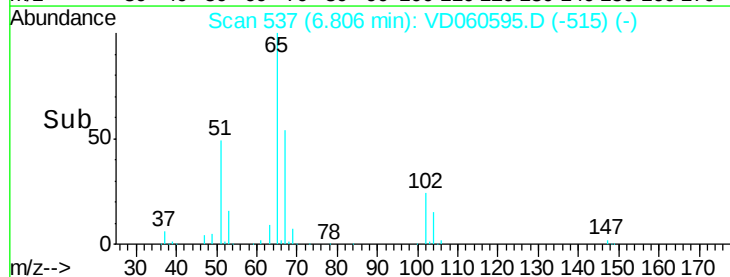
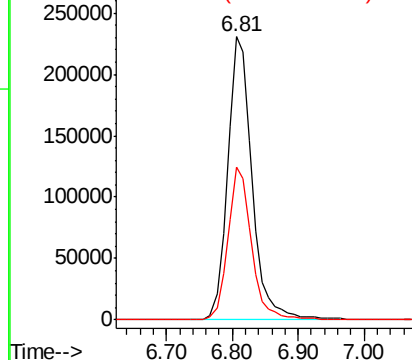
Ion Ratio Lower Upper

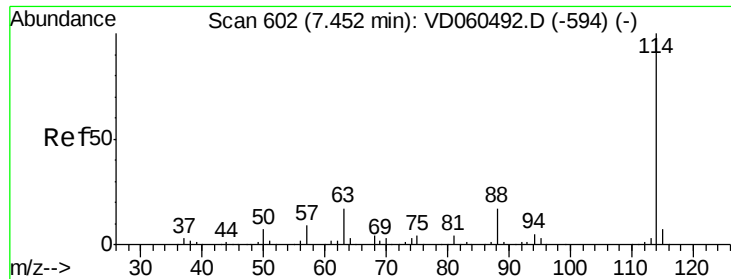
65 100

67 53.9 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

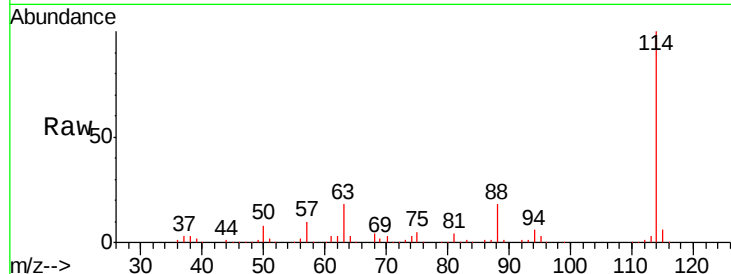




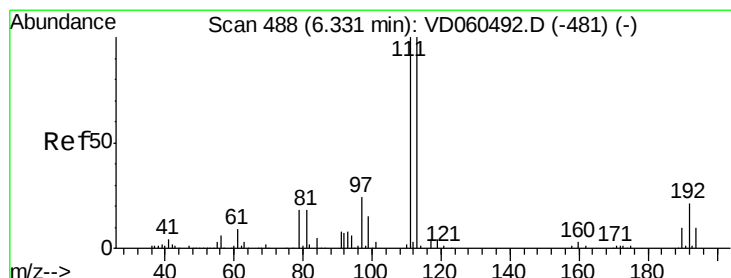
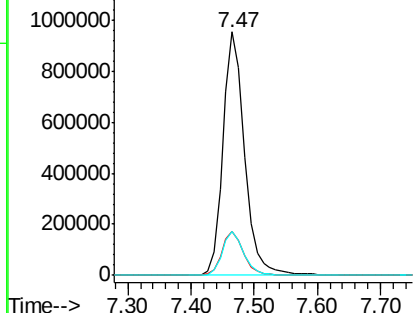
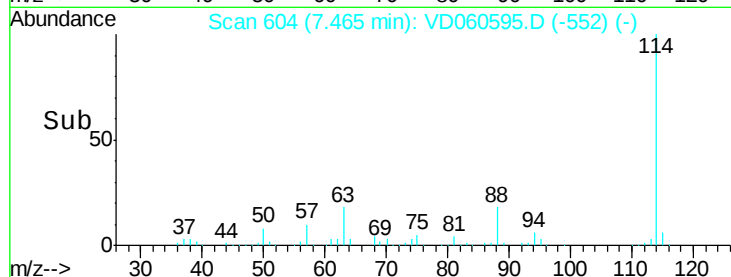
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060595.D
 Acq: 17 Dec 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

Tgt Ion:114 Resp: 2275412
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.2
 88 18.1 0.0 35.0

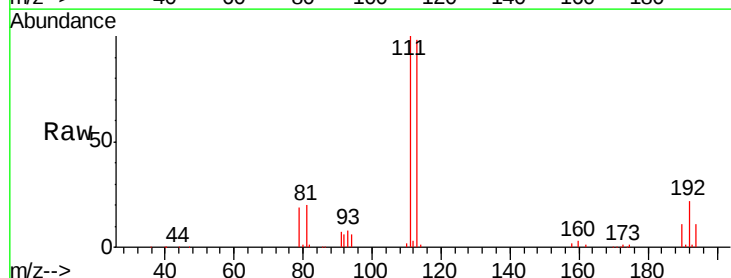


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

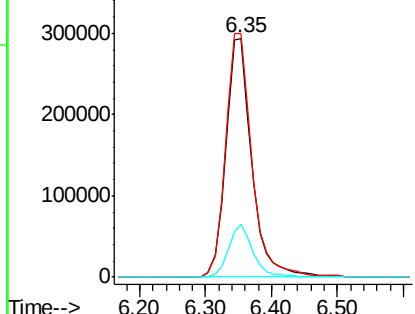
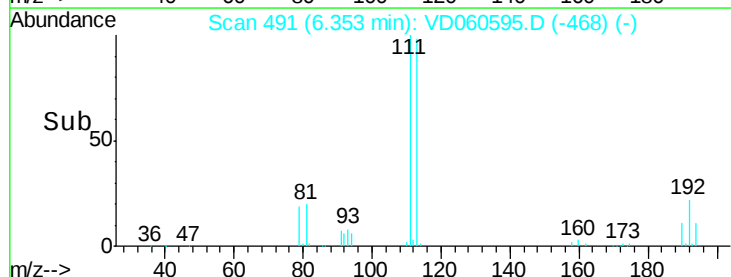


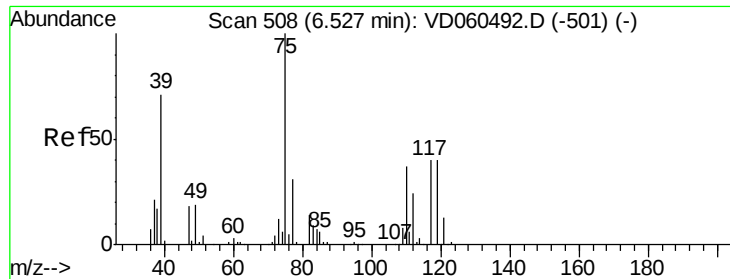
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: VD060595.D
 Acq: 17 Dec 2018 13:13

Tgt Ion:113 Resp: 812918
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.2 120.4
 192 22.3 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

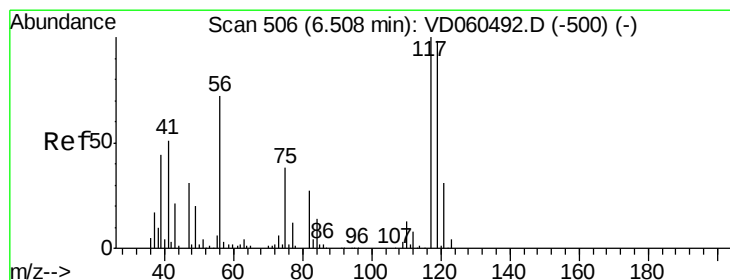
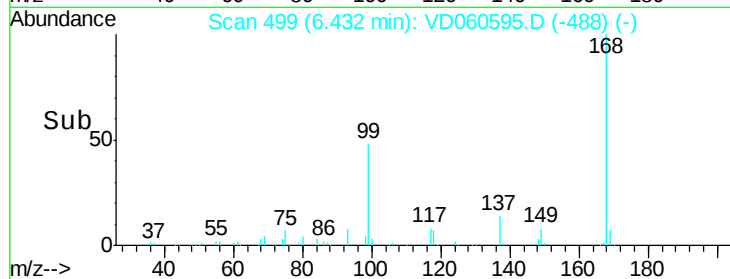
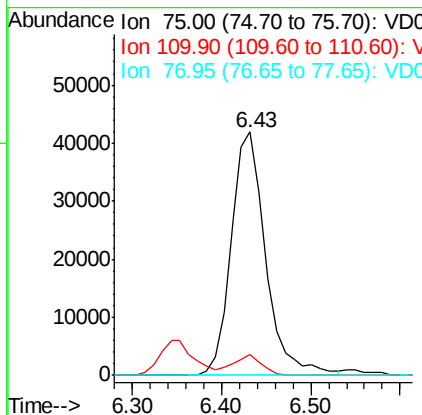
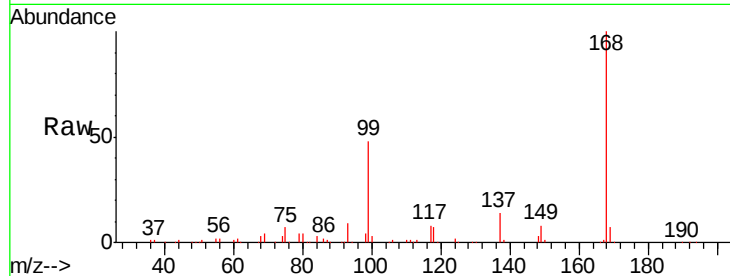




#36
 1,1-Dichloropropene
 Concen: 5.077 ug/l
 RT: 6.43 min Scan# 499
 Delta R.T. -0.10 min
 Lab File: VD060595.D
 Acq: 17 Dec 2018 13:13

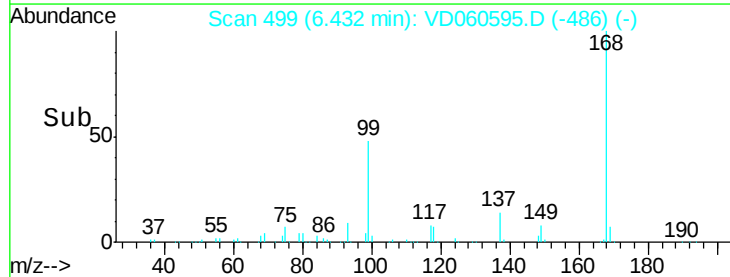
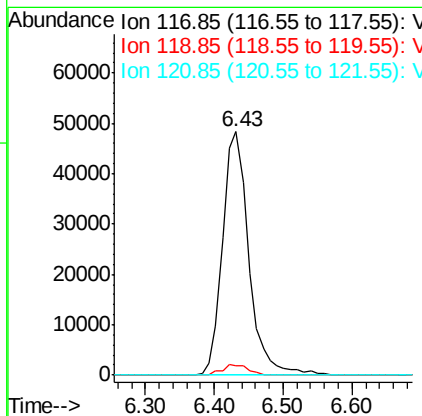
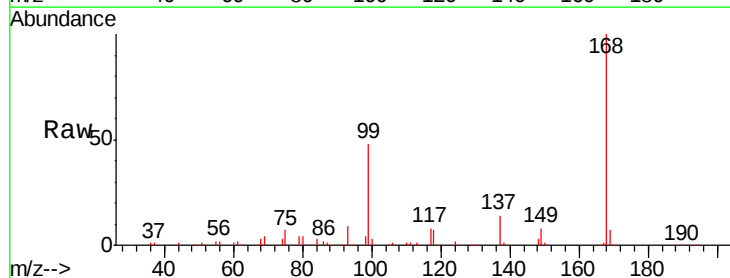
Instrument :
 MSVOA_D
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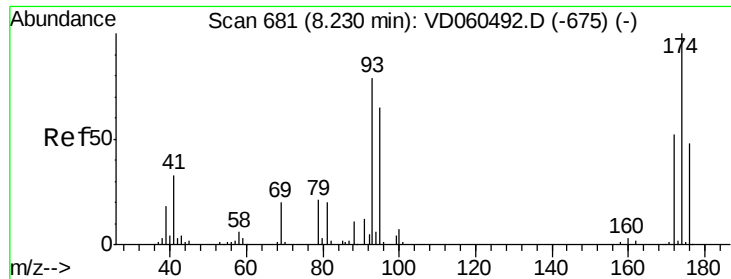
Tgt Ion: 75 Resp: 112910
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.3 54.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.400 ug/l
 RT: 6.43 min Scan# 499
 Delta R.T. -0.08 min
 Lab File: VD060595.D
 Acq: 17 Dec 2018 13:13

Tgt Ion: 117 Resp: 127795
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.8 115.2#
 121 0.0 24.4 36.6#

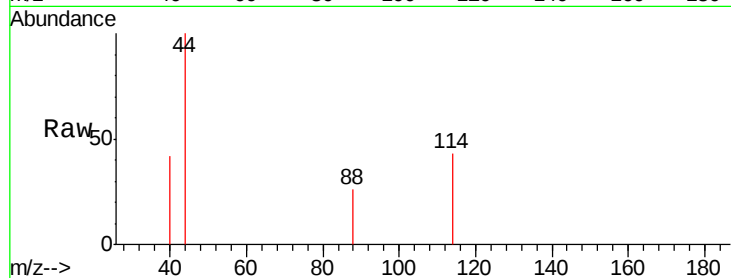




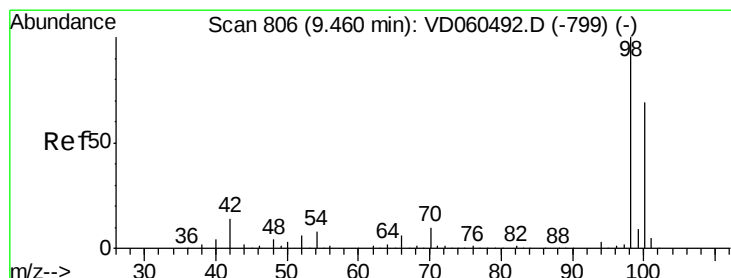
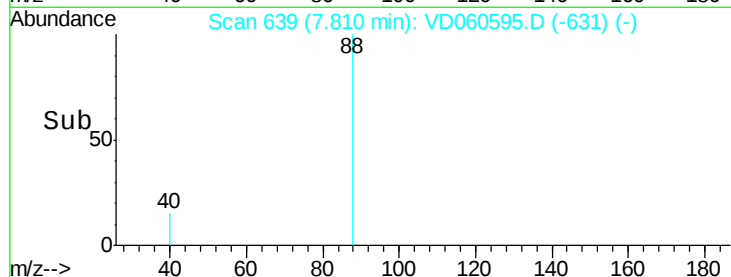
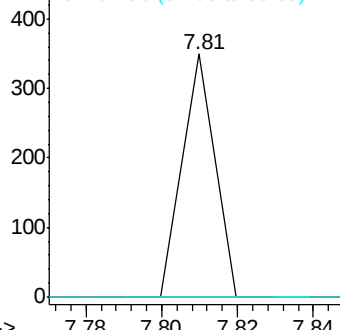
#49
1,4-Dioxane
Concen: 3.242 ug/l
RT: 7.81 min Scan# 639
Delta R.T. -0.42 min
Lab File: VD060595.D
Acq: 17 Dec 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 0.0 47.7 71.5#

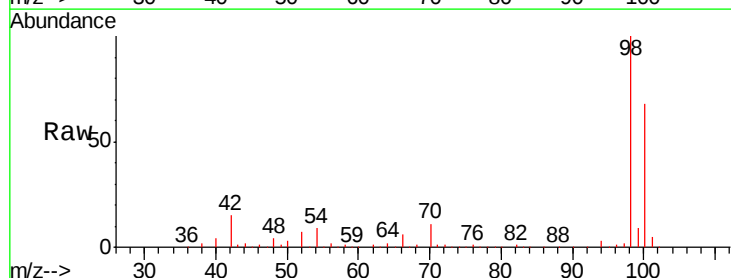


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

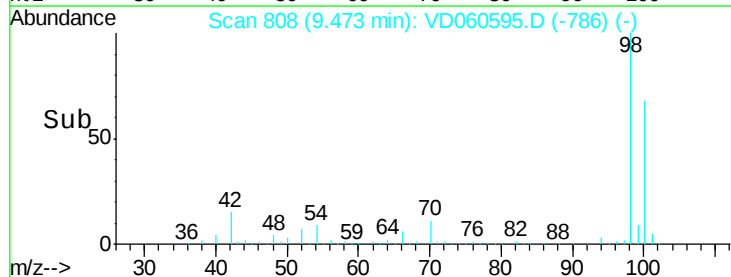
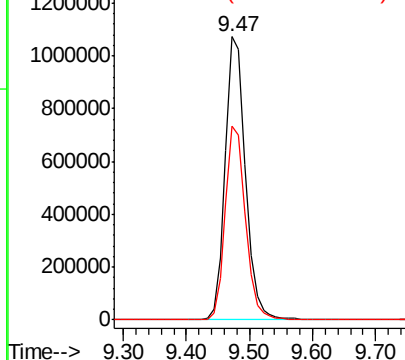


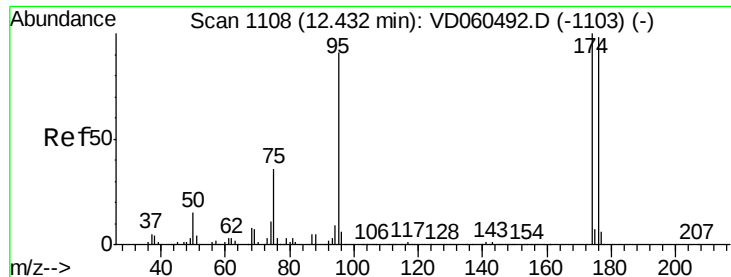
#50
Toluene-d8
Concen: 3.242 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060595.D
Acq: 17 Dec 2018 13:13

Tgt Ion: 98 Resp: 2385147
Ion Ratio Lower Upper
98 100
100 68.3 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060595.D

Acq: 17 Dec 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

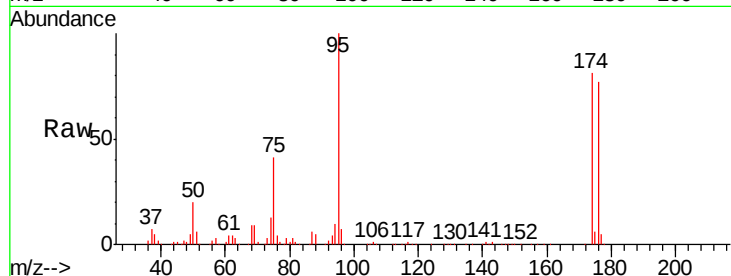
Tgt Ion: 95 Resp: 844639

Ion Ratio Lower Upper

95 100

174 81.3 0.0 219.4

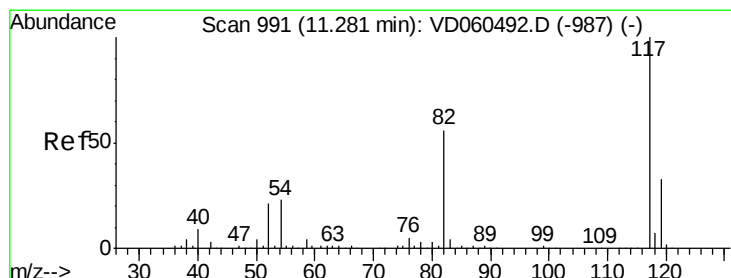
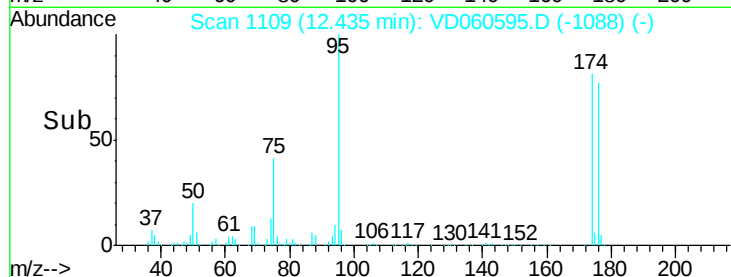
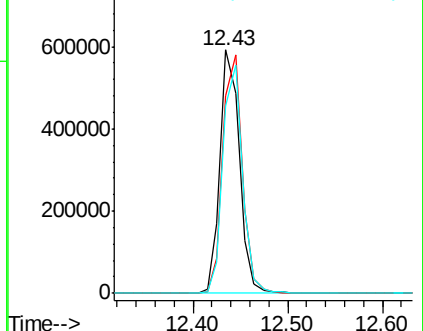
176 76.7 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.02 min

Lab File: VD060595.D

Acq: 17 Dec 2018 13:13

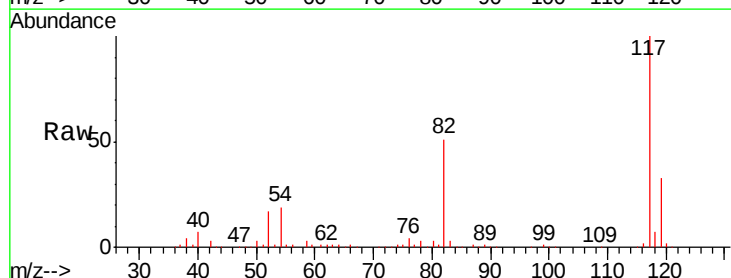
Tgt Ion: 117 Resp: 1823228

Ion Ratio Lower Upper

117 100

82 51.3 45.2 67.8

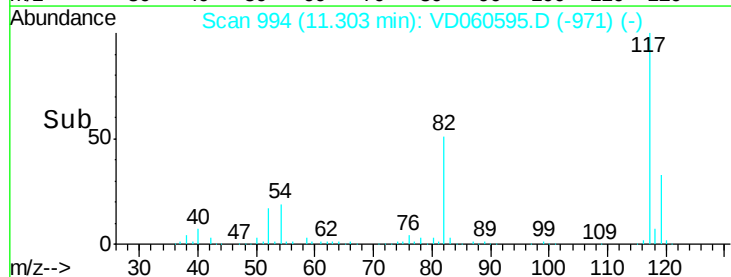
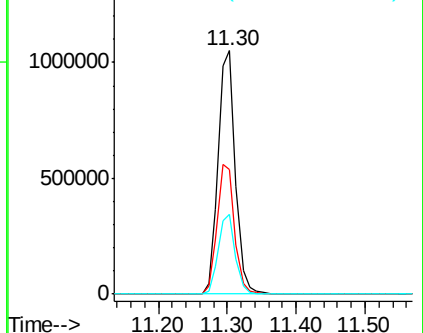
119 32.6 26.1 39.1

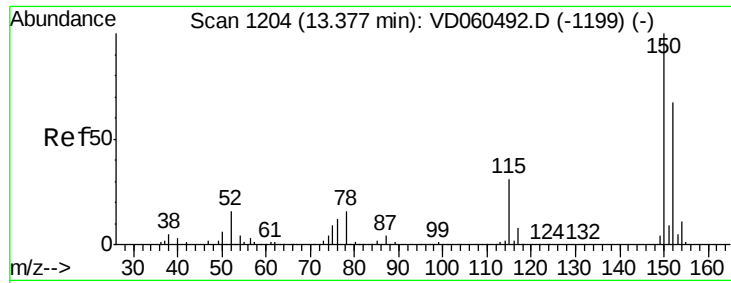


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



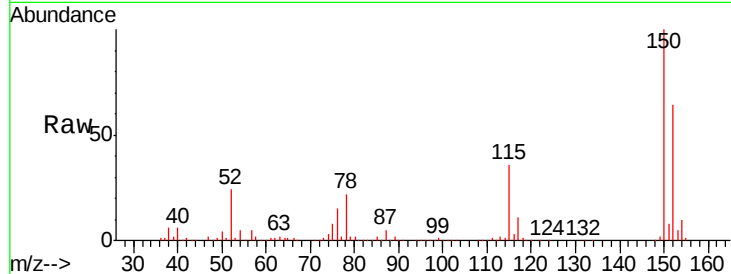


#72

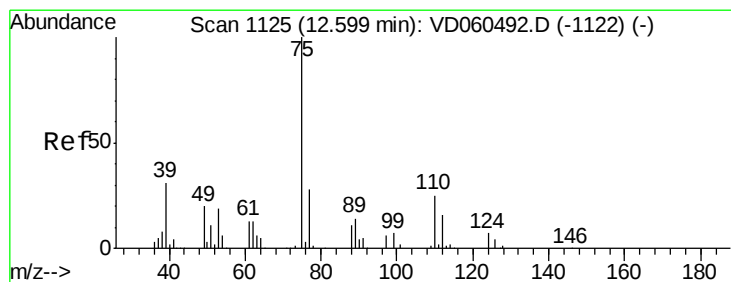
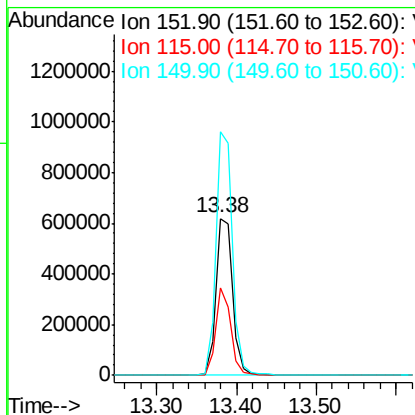
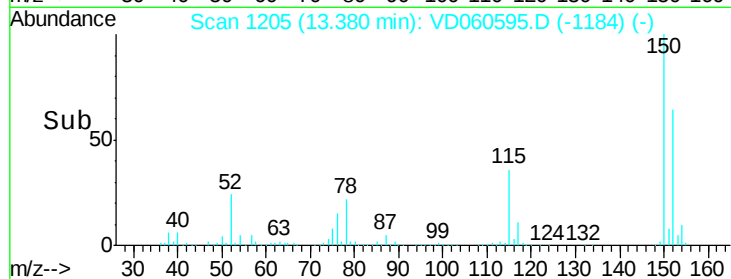
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060595.D
Acq: 17 Dec 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tgt Ion:152 Resp: 915789
Ion Ratio Lower Upper
152 100
115 55.6 24.6 74.0
150 155.2 0.0 309.0



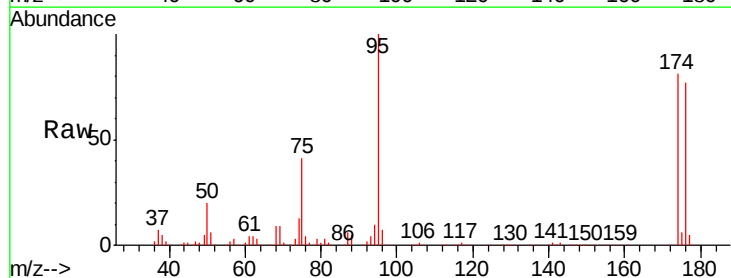
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



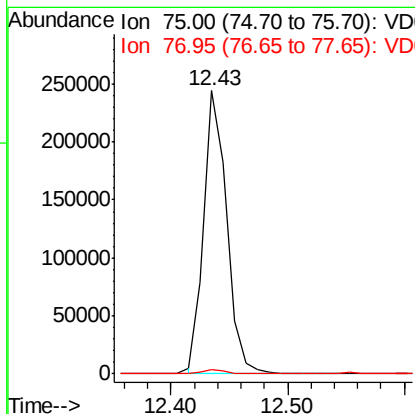
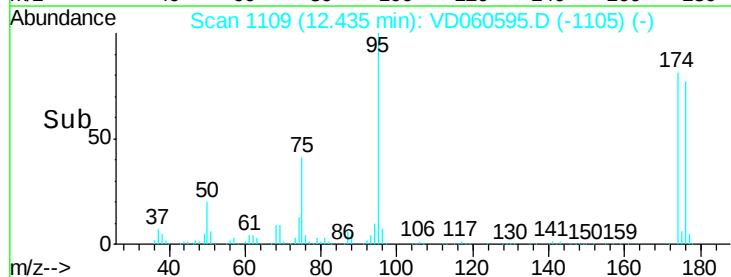
#76

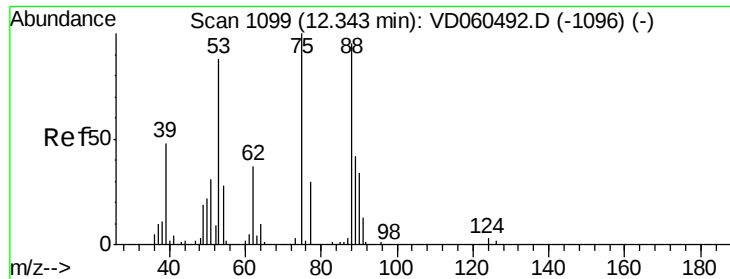
1,2,3-Trichloropropane
Concen: 32.341 ug/l
RT: 12.43 min Scan# 1109
Delta R.T. -0.16 min
Lab File: VD060595.D
Acq: 17 Dec 2018 13:13

Tgt Ion: 75 Resp: 335582
Ion Ratio Lower Upper
75 100
77 1.5 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 116.715 ug/l

RT: 12.43 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060595.D

Acq: 17 Dec 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

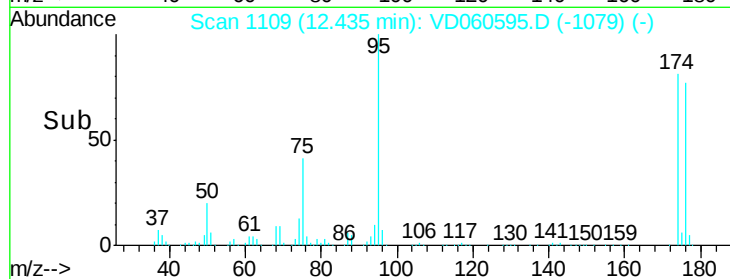
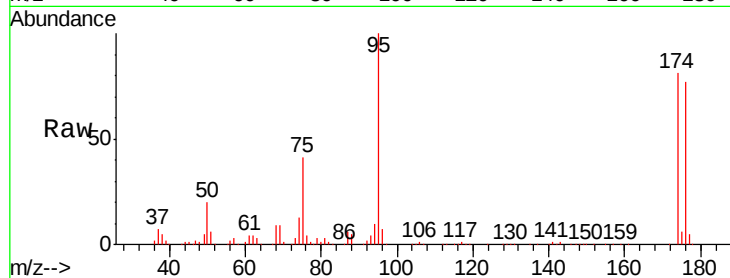
Tgt Ion: 75 Resp: 337779

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

