

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066187.D
 Acq On : 11 Aug 2020 15:31
 Operator : VA/SY
 Sample : L3637-19
 Misc : 7.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAR-WASH-AREA-3

Quant Time: Aug 11 21:00:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	256042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	430557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	494650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257882	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	112034	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
35) Dibromofluoromethane	7.91	113	133825	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
50) Toluene-d8	10.34	98	533198	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.63	95	235148	64.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	129.62%	

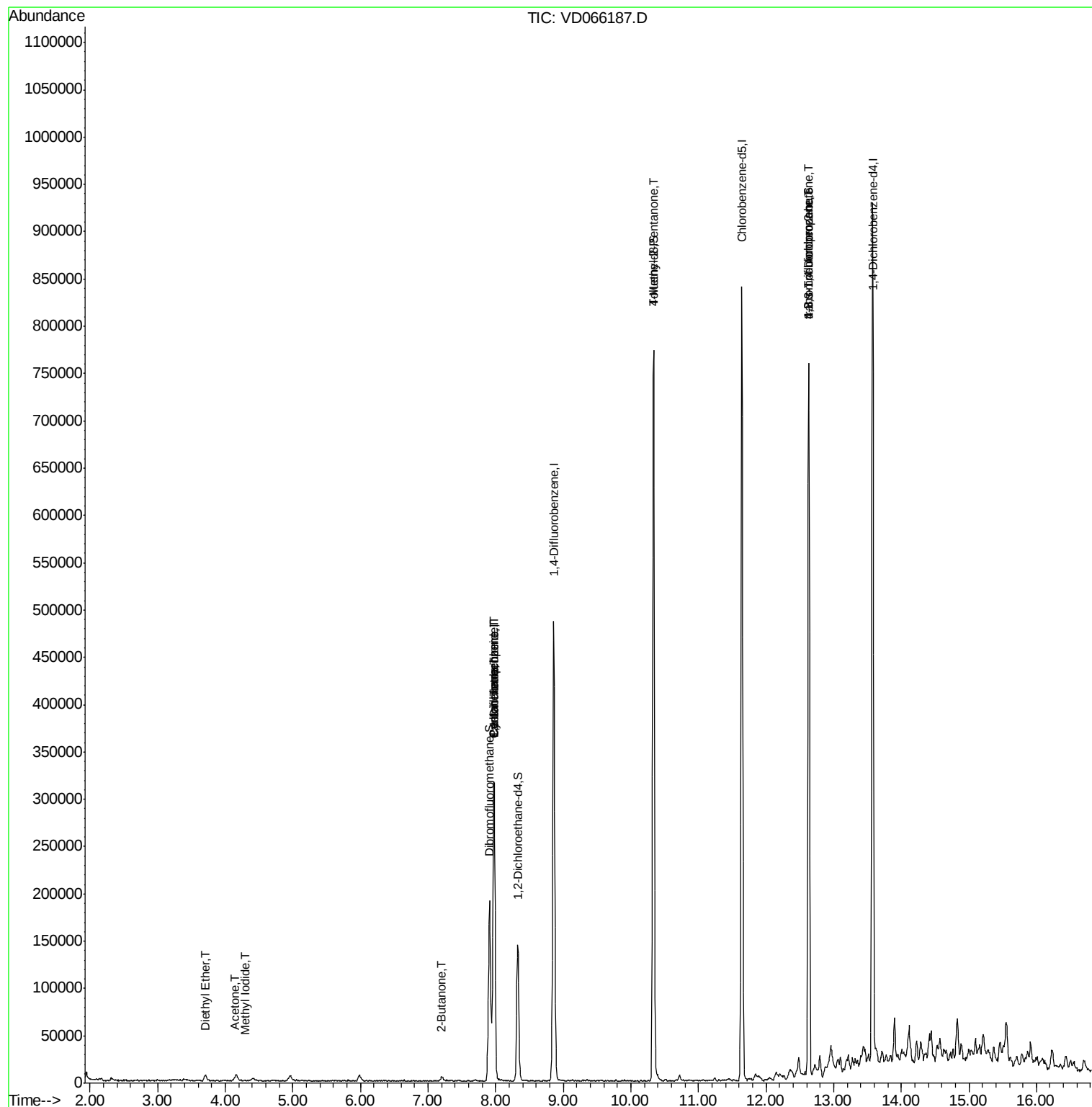
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	3541	3.098	ug/l	96
10) Methyl Iodide	4.29	142	83	6.744	ug/l #	54
11) Tert butyl alcohol	5.23	59	126	Below Cal	#	76
16) Acetone	4.15	43	13105	30.236	ug/l	99
20) Methylene Chloride	4.96	84	4545	Below Cal	#	92
25) 2-Butanone	7.21	43	4275	6.706	ug/l	92
31) Cyclohexane	7.97	56	5250	1.312	ug/l #	3
36) 1,1-Dichloropropene	7.97	75	17412	4.304	ug/l #	52
38) Carbon Tetrachloride	7.98	117	24081	5.337	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	2590	1.596	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	118288	55.004	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	118288	121.589	ug/l #	13

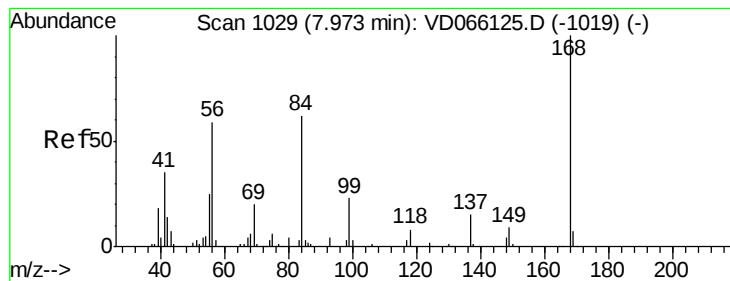
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

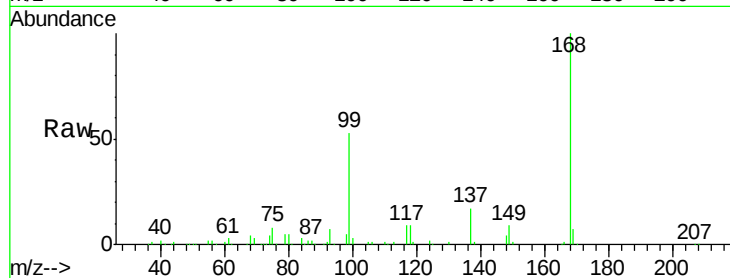
CAR-WASH-AREA-3

Tgt Ion:168 Resp: 256042

Ion Ratio Lower Upper

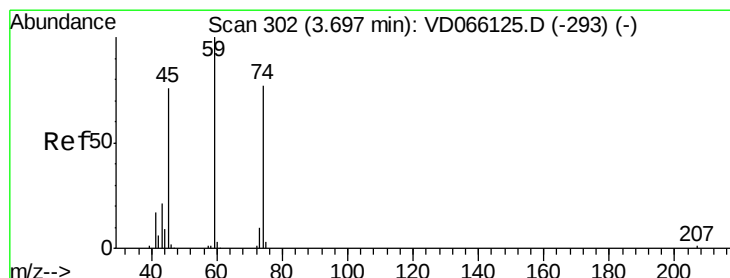
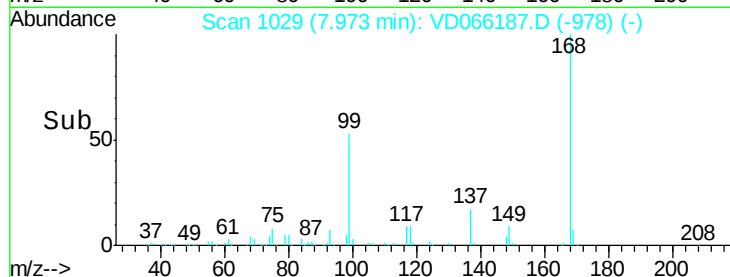
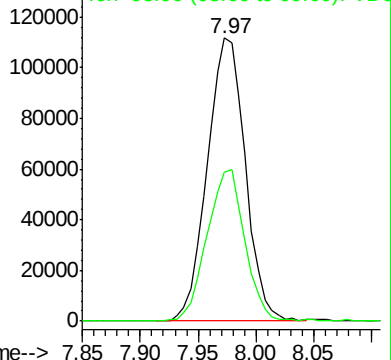
168 100

99 52.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 3.098 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066187.D

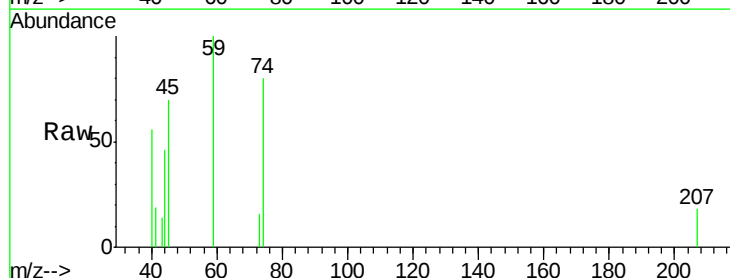
Acq: 11 Aug 2020 15:31

Tgt Ion: 74 Resp: 3541

Ion Ratio Lower Upper

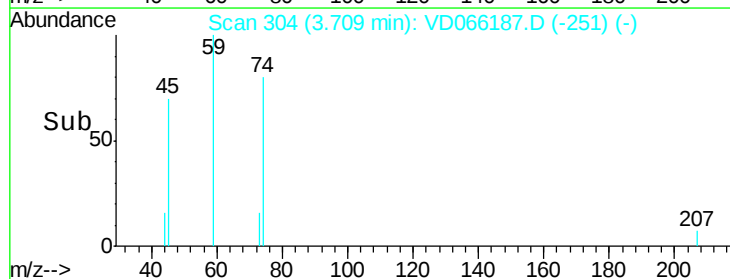
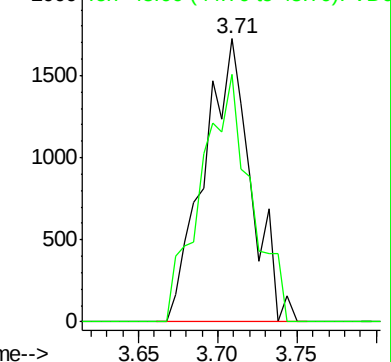
74 100

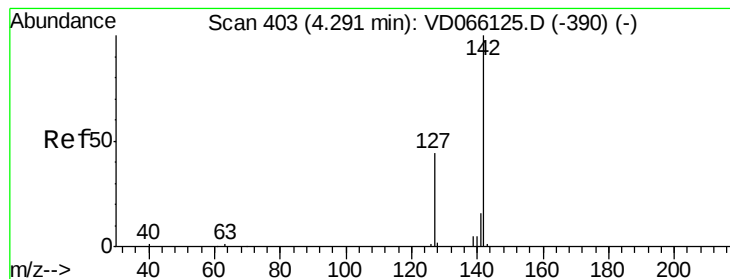
45 92.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#10

Methyl Iodide

Concen: 6.744 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

CAR-WASH-AREA-3

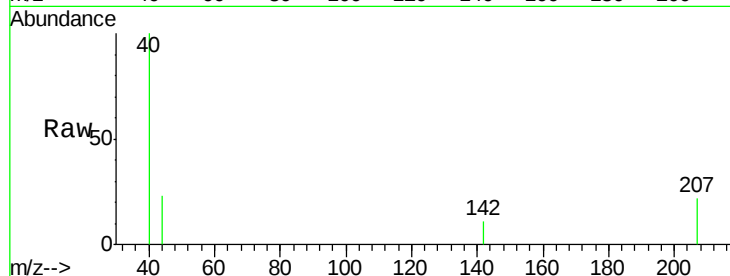
Tgt Ion:142 Resp: 83

Ion Ratio Lower Upper

142 100

127 77.1 36.2 54.4#

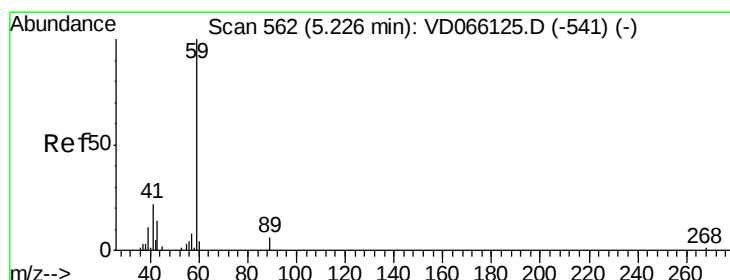
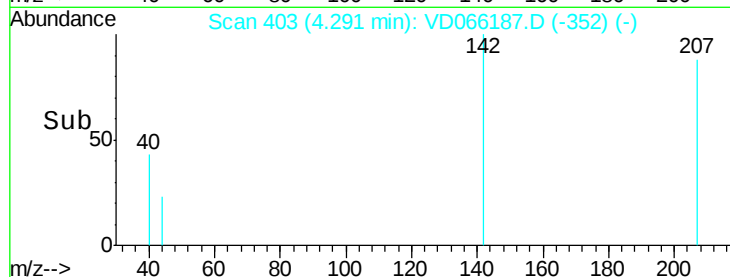
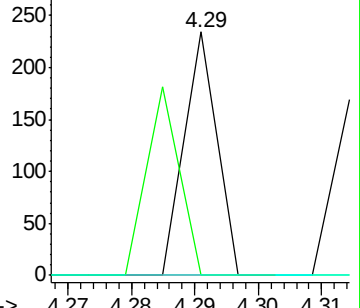
141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD066187.D

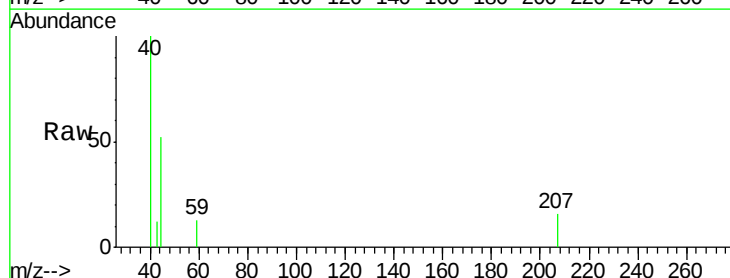
Acq: 11 Aug 2020 15:31

Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

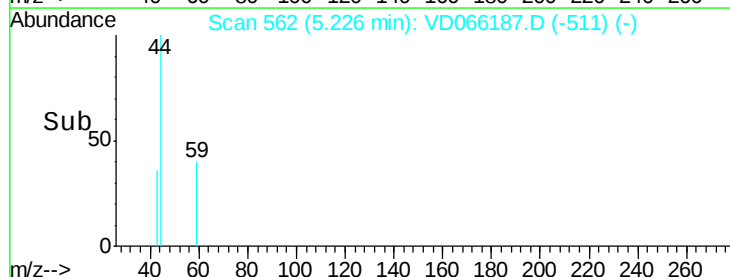
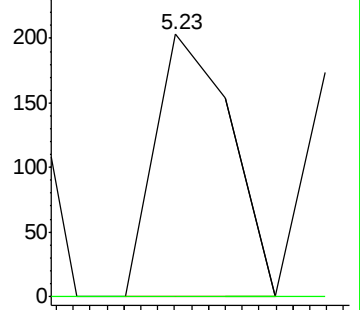
59 100

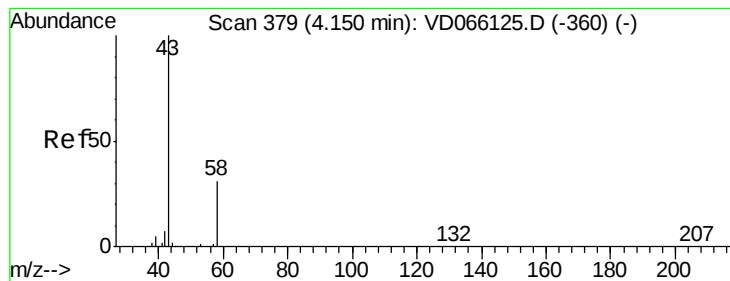
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 30.236 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

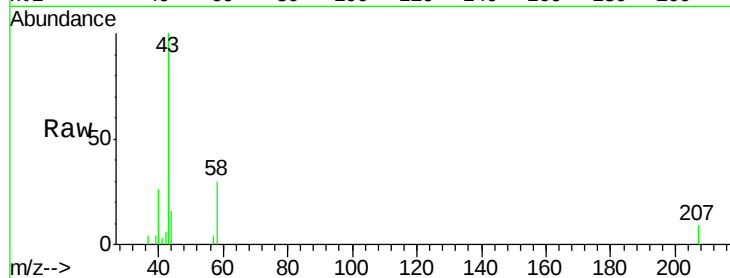
CAR-WASH-AREA-3

Tgt Ion: 43 Resp: 13105

Ion Ratio Lower Upper

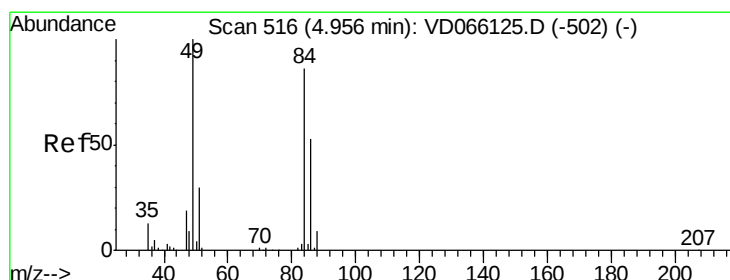
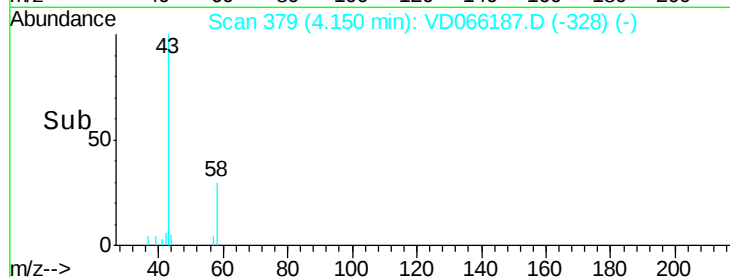
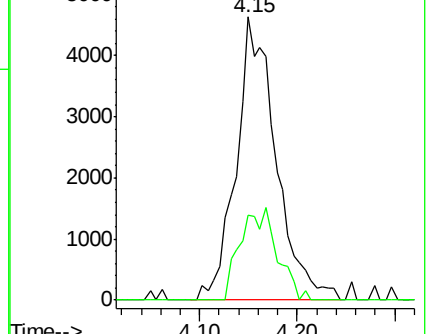
43 100

58 30.1 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Tgt Ion: 84 Resp: 4545

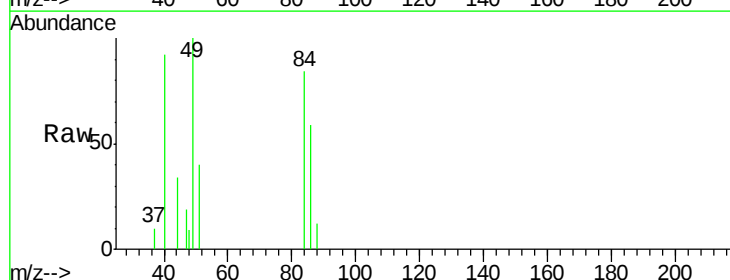
Ion Ratio Lower Upper

84 100

49 119.4 93.5 140.3

51 48.1 28.2 42.4#

86 70.1 49.5 74.3

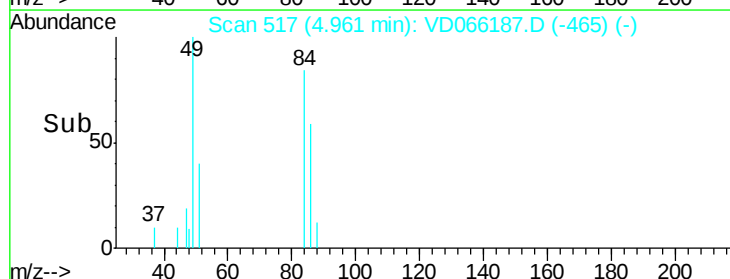
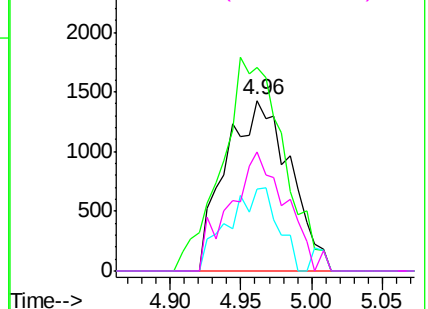


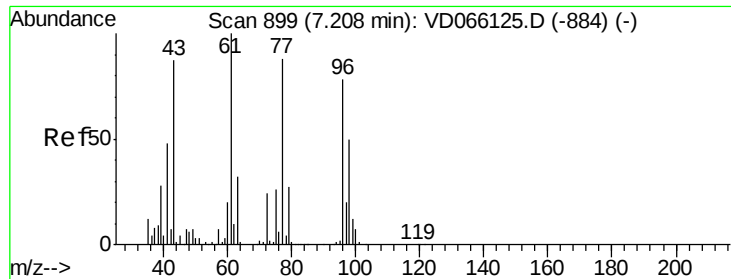
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 6.706 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

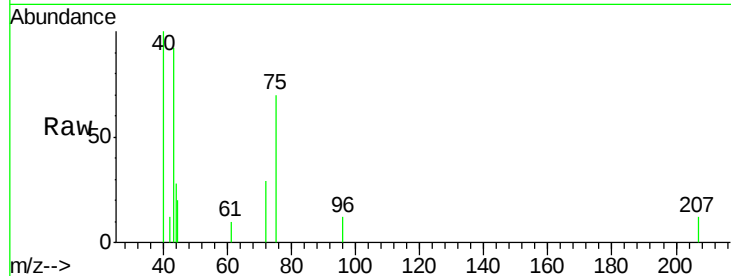
CAR-WASH-AREA-3

Tgt Ion: 43 Resp: 4275

Ion Ratio Lower Upper

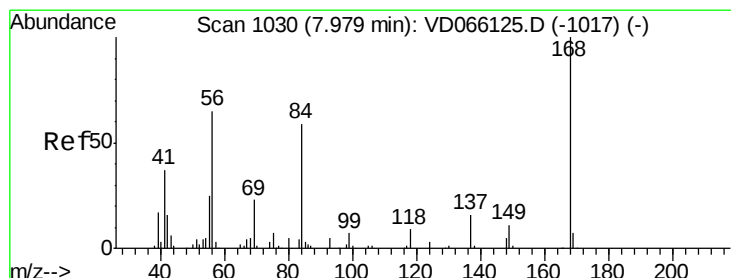
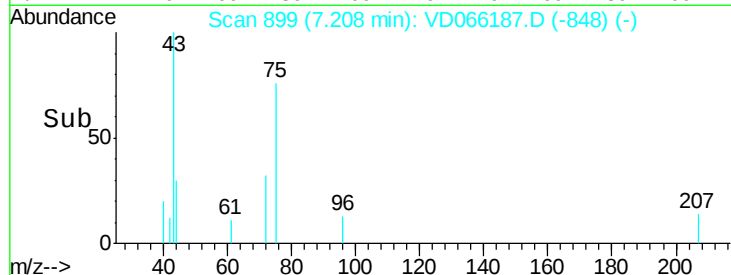
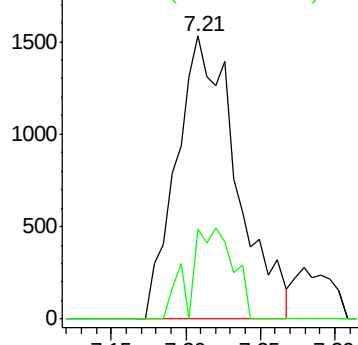
43 100

72 31.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

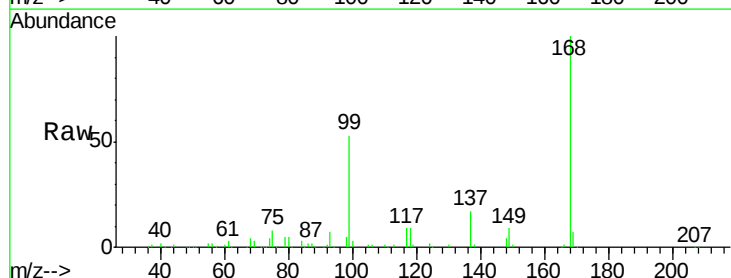
Tgt Ion: 56 Resp: 5250

Ion Ratio Lower Upper

56 100

69 149.1 28.8 43.2#

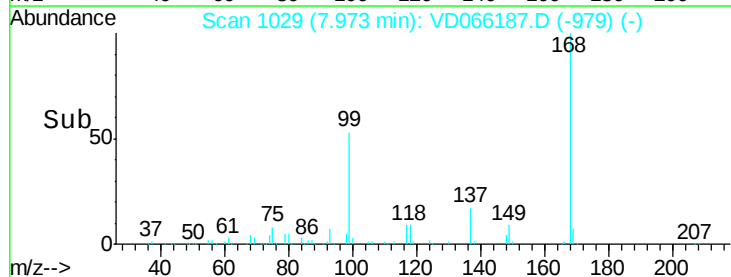
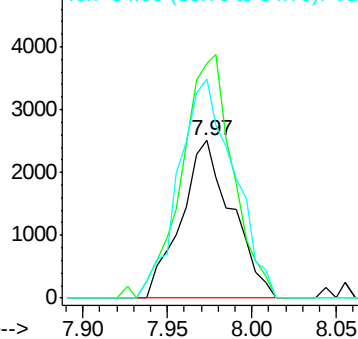
84 147.3 73.0 109.6#

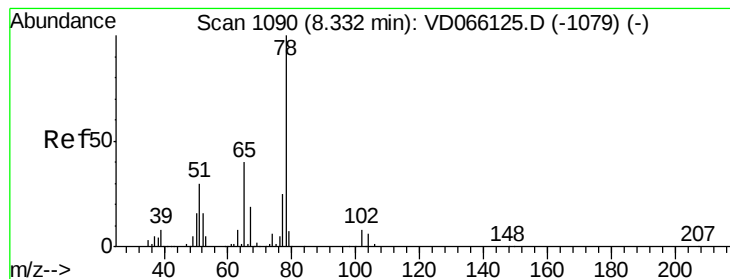


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.046 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

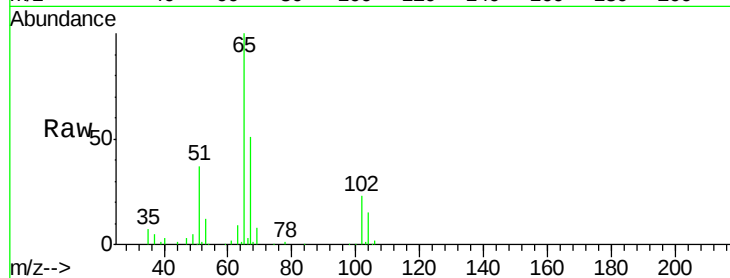
CAR-WASH-AREA-3

Tgt Ion: 65 Resp: 112034

Ion Ratio Lower Upper

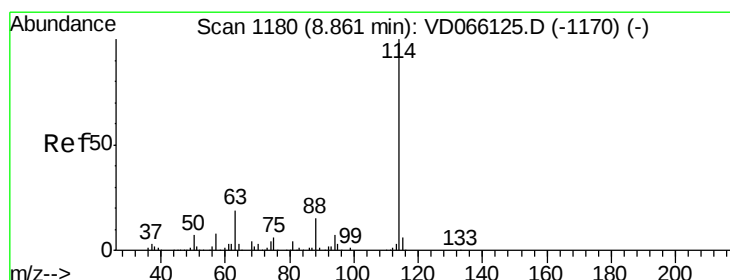
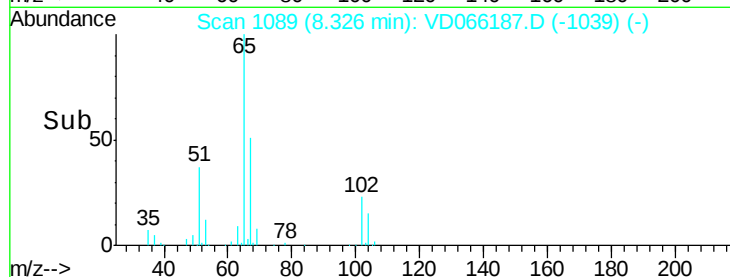
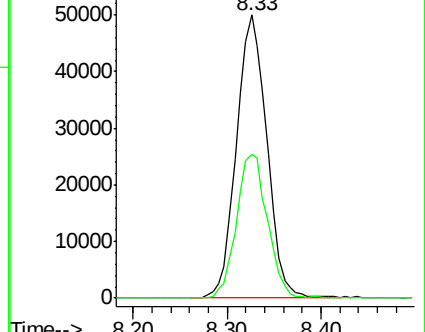
65 100

67 51.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VD066187.D (-1039) (-)

Ion 66.90 (66.60 to 67.60): VD066187.D (-1039) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

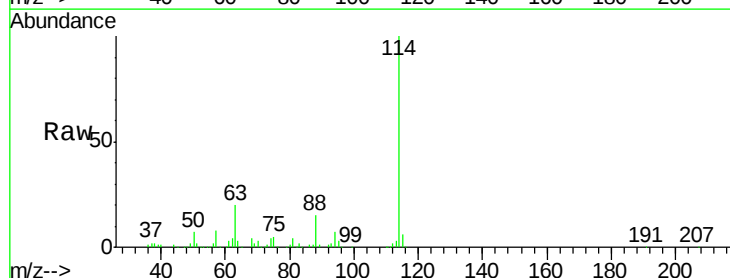
Tgt Ion: 114 Resp: 430557

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

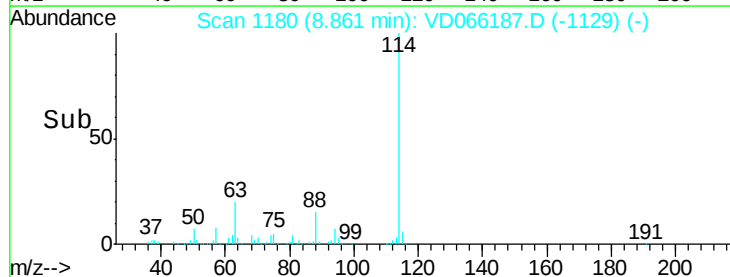
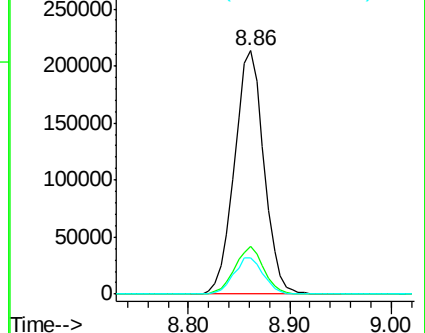
88 14.7 0.0 30.0

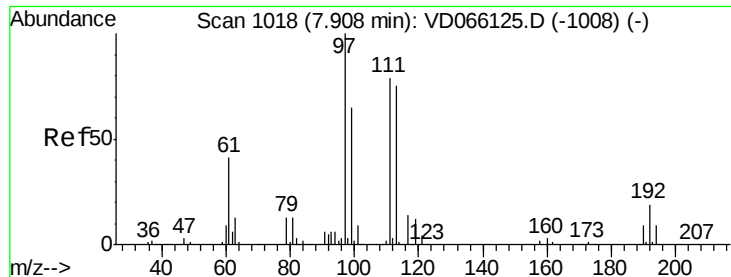


Abundance Ion 113.90 (113.60 to 114.60): VD066187.D (-1129) (-)

Ion 63.00 (62.70 to 63.70): VD066187.D (-1129) (-)

Ion 87.90 (87.60 to 88.60): VD066187.D (-1129) (-)

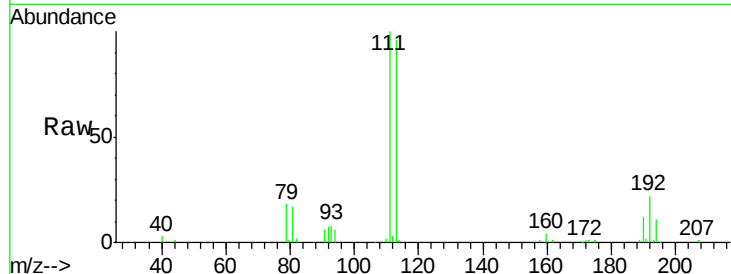




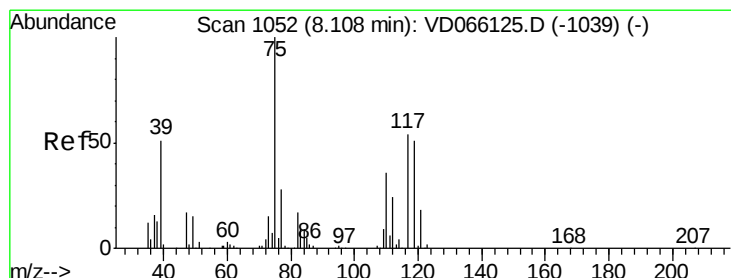
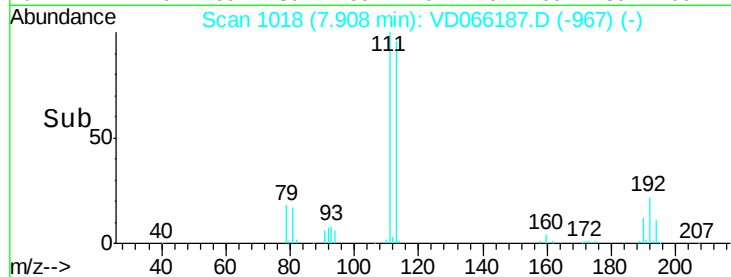
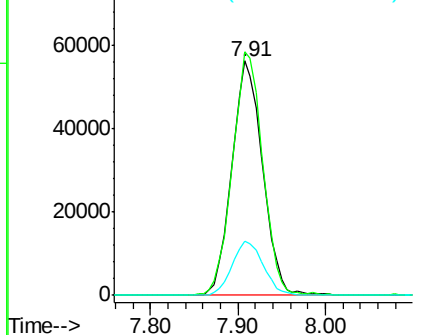
#35
 Dibromofluoromethane
 Concen: 49.064 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066187.D
 Acq: 11 Aug 2020 15:31

Instrument :
 MSVOA_D
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 CAR-WASH-AREA-3

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	23.4	18.4	27.6

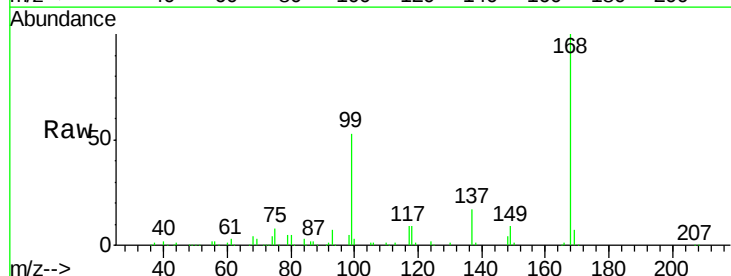


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

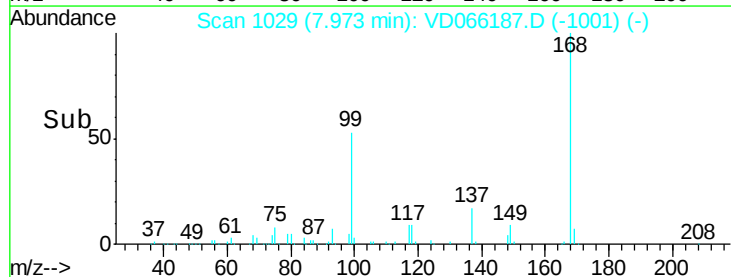
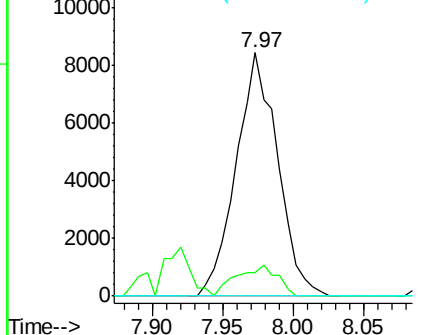


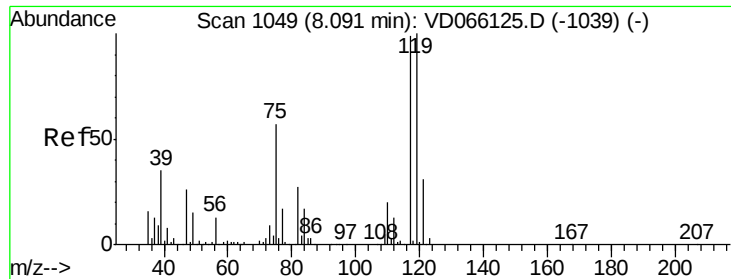
#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066187.D
 Acq: 11 Aug 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.4	18.8	56.3#
77	0.0	24.2	36.2#



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

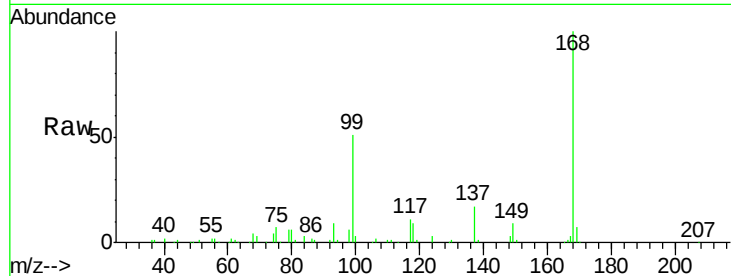




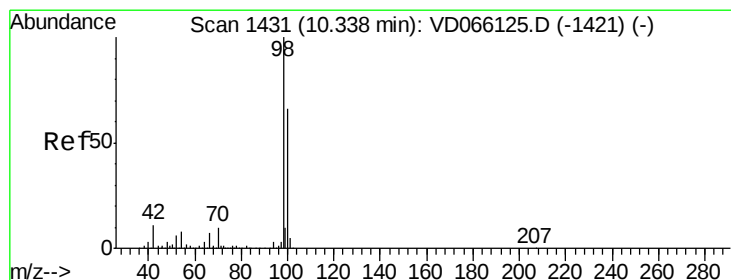
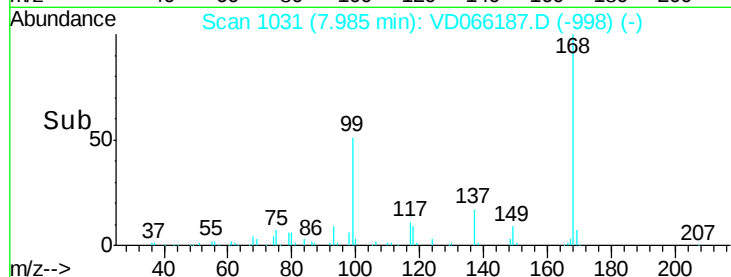
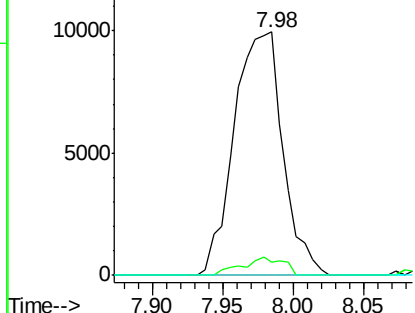
#38
Carbon Tetrachloride
Concen: 5.337 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066187.D
Acq: 11 Aug 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-3

Tgt Ion:117 Resp: 24081
Ion Ratio Lower Upper
117 100
119 5.3 81.0 121.4#
121 0.0 24.8 37.2#

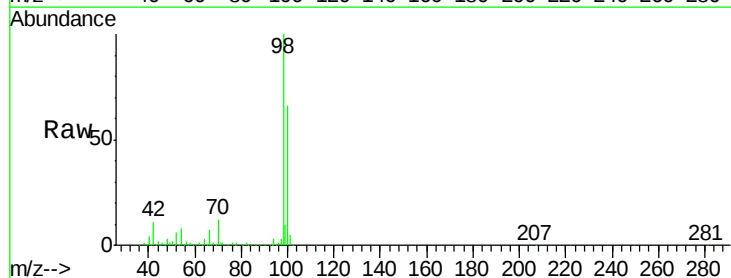


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

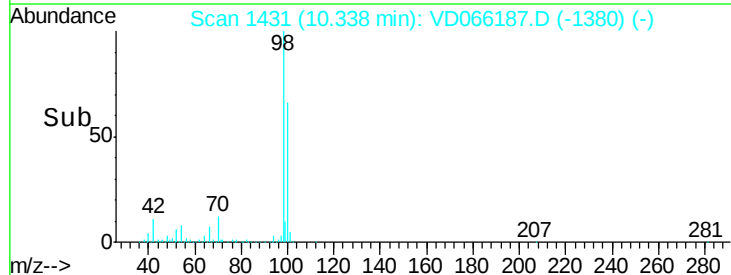
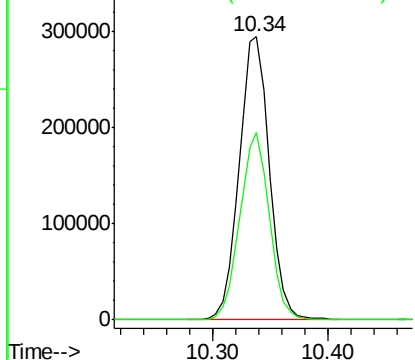


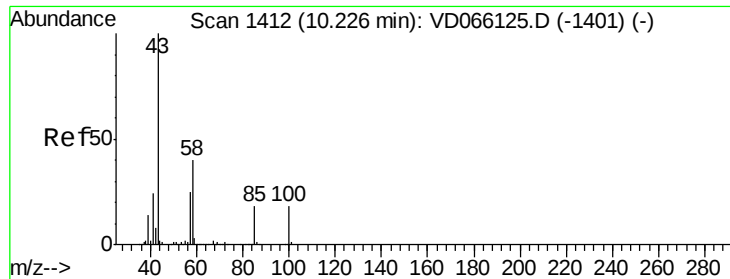
#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066187.D
Acq: 11 Aug 2020 15:31

Tgt Ion: 98 Resp: 533198
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



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

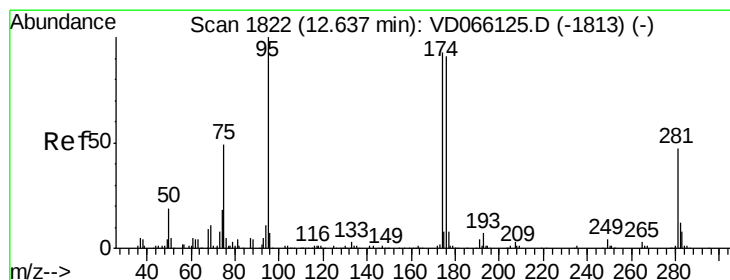
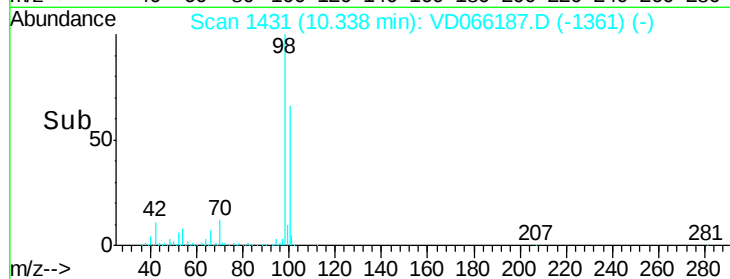
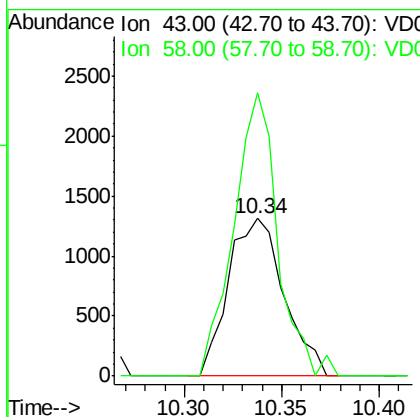
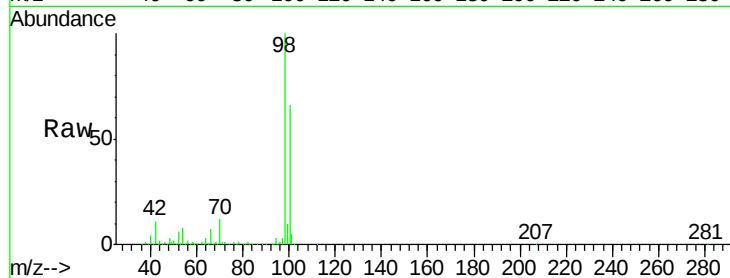




#51
 4-Methyl-2-Pentanone
 Concen: 1.596 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.11 min
 Lab File: VD066187.D
 Acq: 11 Aug 2020 15:31

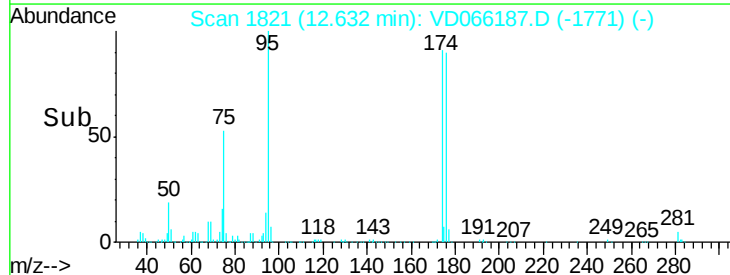
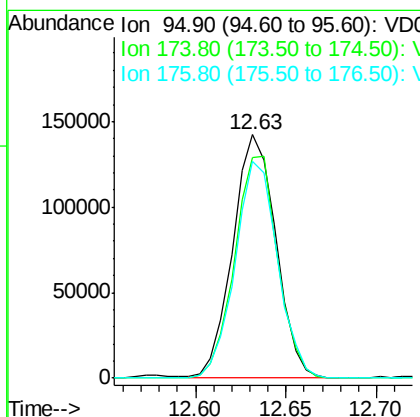
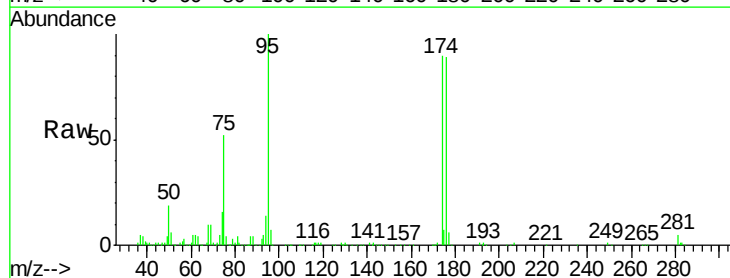
Instrument :
 MSVOA_D
 ClientSampleId :
 CAR-WASH-AREA-3

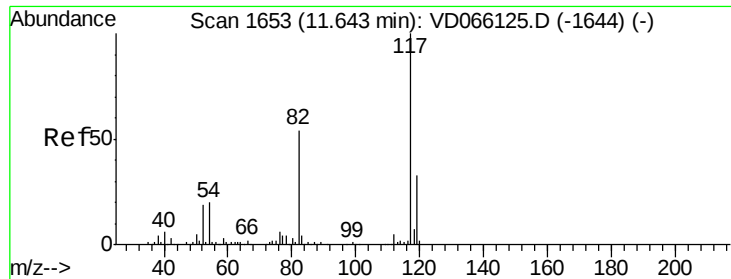
Tgt Ion: 43 Resp: 2590
 Ion Ratio Lower Upper
 43 100
 58 142.1 31.1 46.7#



#62
 4-Bromofluorobenzene
 Concen: 64.812 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066187.D
 Acq: 11 Aug 2020 15:31

Tgt Ion: 95 Resp: 235148
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 180.8
 176 88.0 0.0 181.2

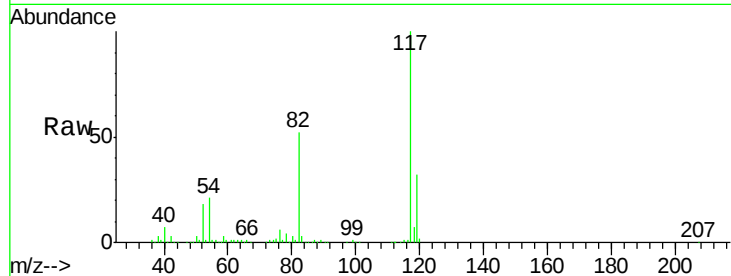




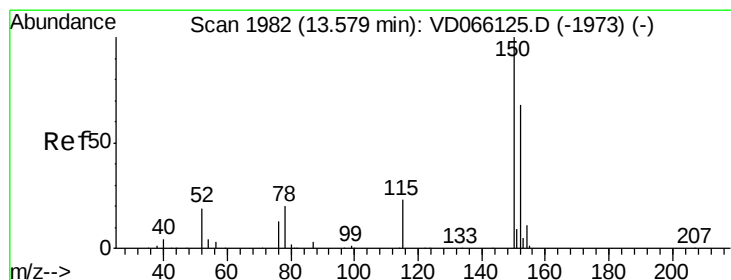
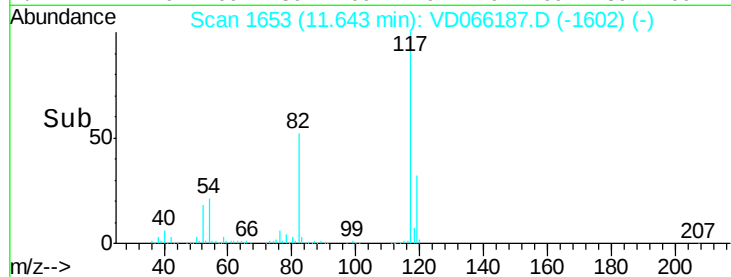
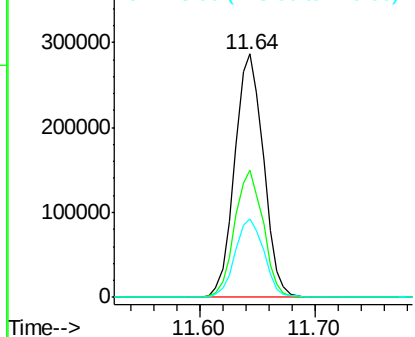
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066187.D
Acq: 11 Aug 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-3

Tgt Ion:117 Resp: 494650
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 32.1 26.1 39.1

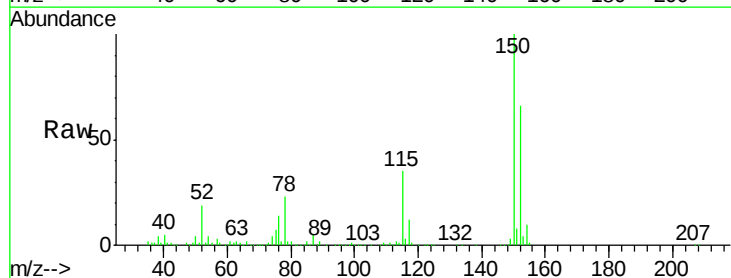


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

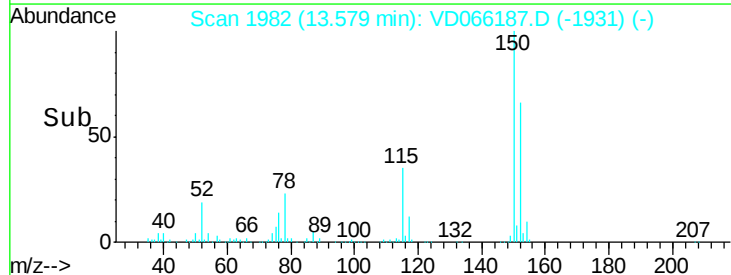
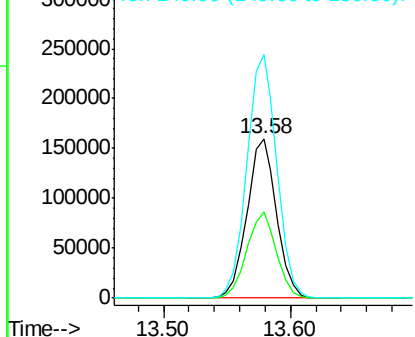


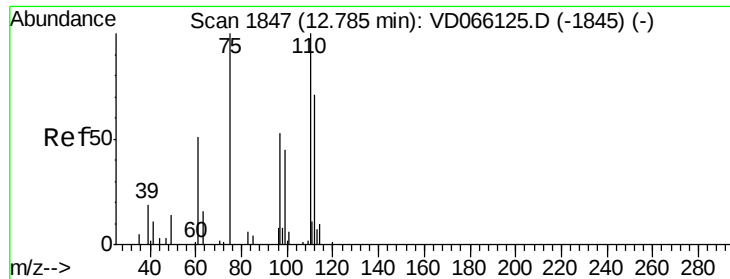
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066187.D
Acq: 11 Aug 2020 15:31

Tgt Ion:152 Resp: 257882
Ion Ratio Lower Upper
152 100
115 54.2 28.0 83.9
150 155.1 0.0 346.4



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: 55.004 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

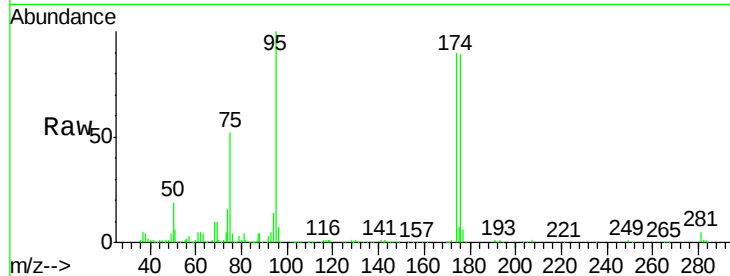
CAR-WASH-AREA-3

Tgt Ion: 75 Resp: 118288

Ion Ratio Lower Upper

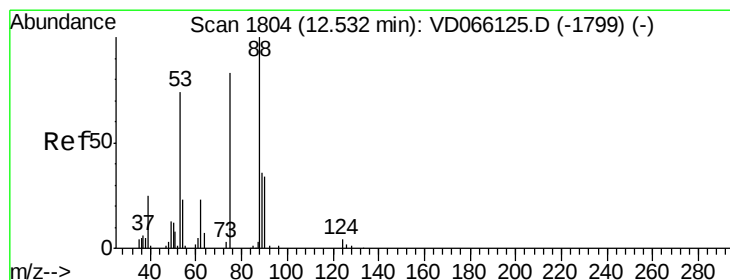
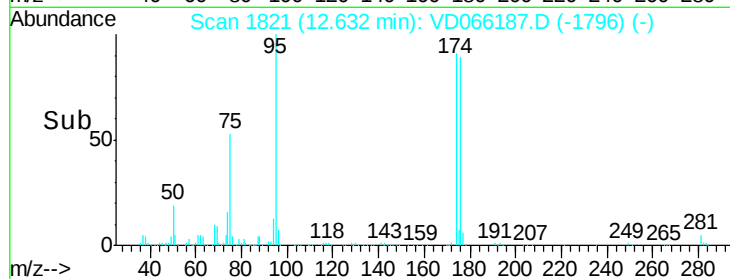
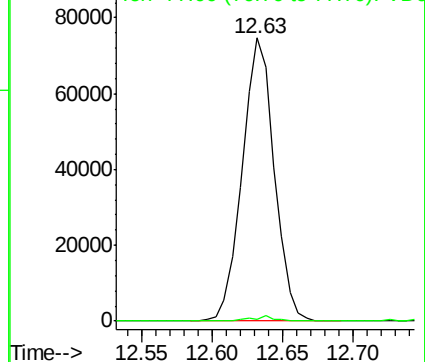
75 100

77 1.4 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: 121.589 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066187.D

Acq: 11 Aug 2020 15:31

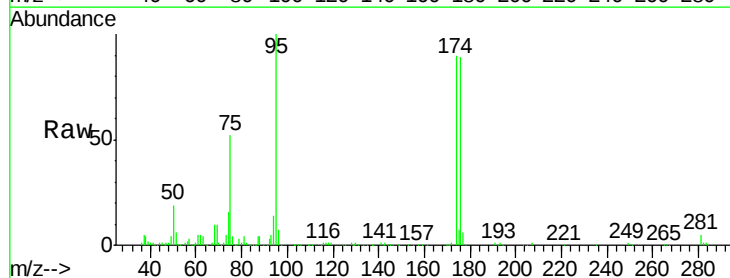
Tgt Ion: 75 Resp: 118288

Ion Ratio Lower Upper

75 100

53 0.4 73.4 110.2#

89 0.1 36.6 55.0#



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

