

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066175.D
 Acq On : 10 Aug 2020 20:40
 Operator : VA/SY
 Sample : L3637-13
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAR-WASH-AREA-2

Quant Time: Aug 11 04:38:04 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	321837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	552685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	640361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348150	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	141727	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.91	113	168199	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	10.33	98	697480	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.63	95	317269	68.12	ug/l	0.00
Spiked Amount			Recovery	=	136.24%	

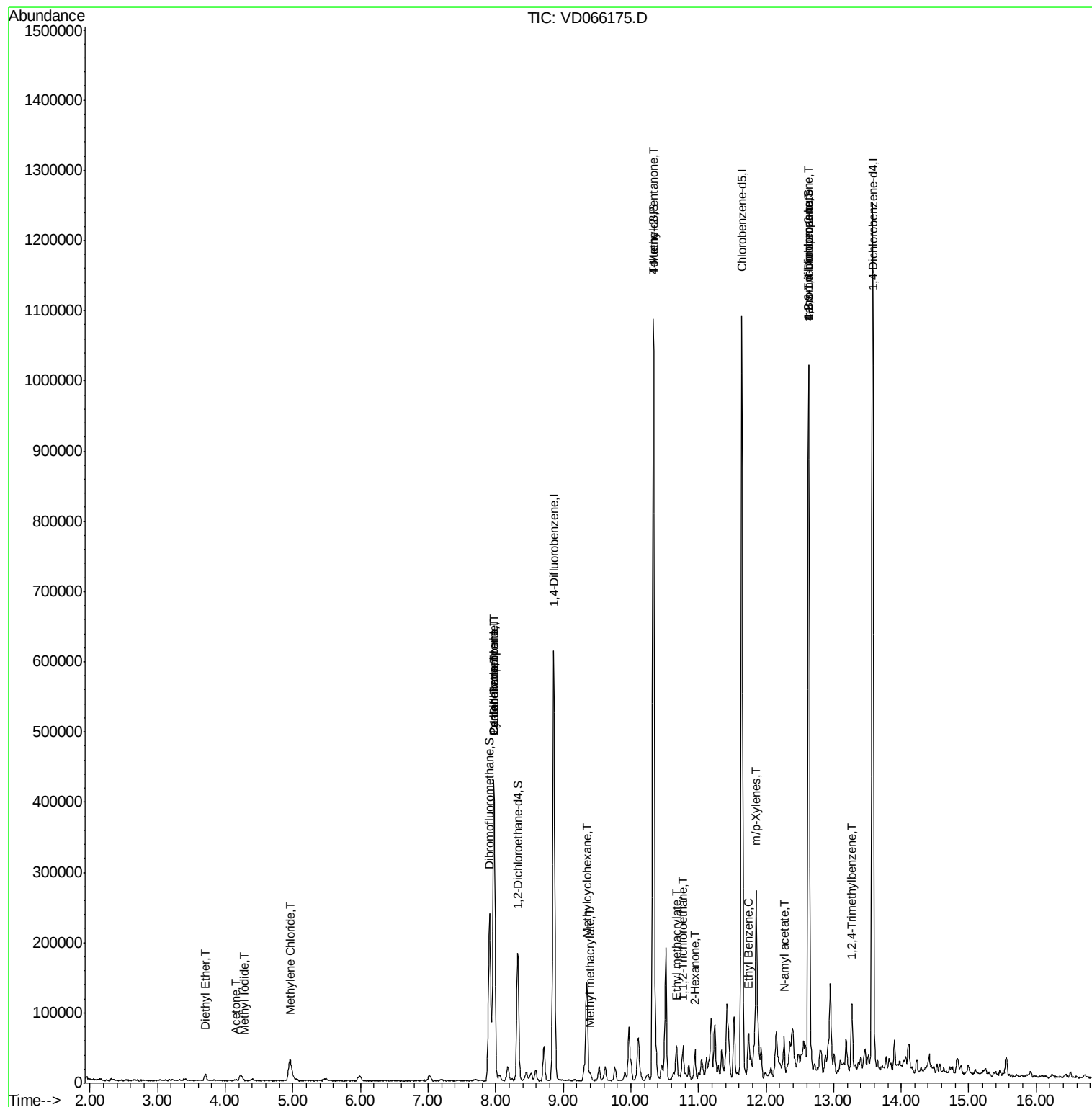
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	4605	3.206	ug/l	94
10) Methyl Iodide	4.29	142	80	6.736	ug/l #	54
11) Tert butyl alcohol	5.23	59	280	Below Cal	#	76
16) Acetone	4.16	43	1595	2.928	ug/l	91
20) Methylene Chloride	4.96	84	22642	2.837	ug/l #	92
31) Cyclohexane	7.97	56	19647	3.906	ug/l #	69
36) 1,1-Dichloropropene	7.97	75	23298	4.486	ug/l #	49
38) Carbon Tetrachloride	7.97	117	28516	4.924	ug/l #	15
39) Methylcyclohexane	9.35	83	55654	8.865	ug/l	95
48) Methyl methacrylate	9.40	41	2446	1.181	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	7454	3.579	ug/l #	33
55) 1,1,2-Trichloroethane	10.77	97	18295	6.546	ug/l #	24
56) Ethyl methacrylate	10.67	69	4518	1.346	ug/l #	1
59) 2-Hexanone	10.94	43	16412	11.229	ug/l #	27
67) Ethyl Benzene	11.74	91	38976	1.730	ug/l	91
68) m/p-Xylenes	11.85	106	24886	2.851	ug/l	93
74) N-amyl acetate	12.27	43	11184	2.185	ug/l #	55
76) 1,2,3-Trichloropropane	12.63	75	152128	52.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152128	115.829	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.27	105	56025	2.880	ug/l	100

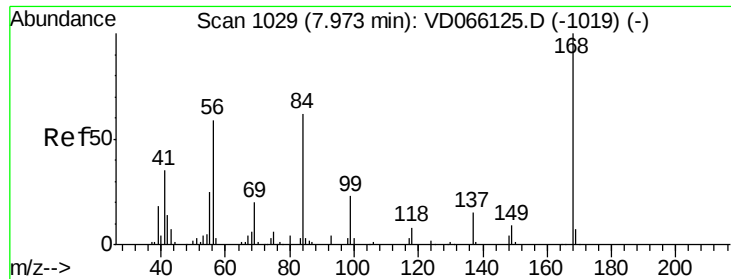
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Instrument :

MSVOA_D

ClientSampleId :

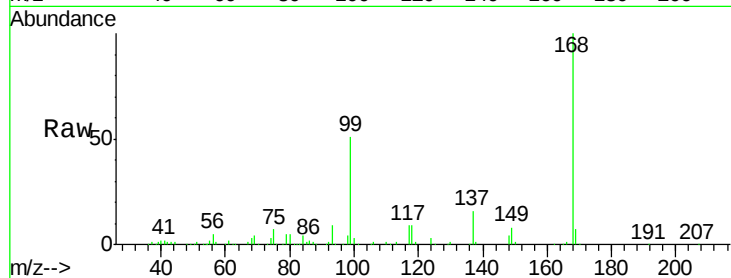
CAR-WASH-AREA-2

Tot Ion:168 Resp: 321837

Ion Ratio Lower Upper

168 100

99 51.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

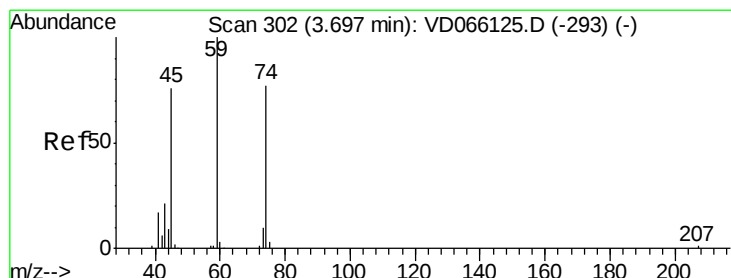
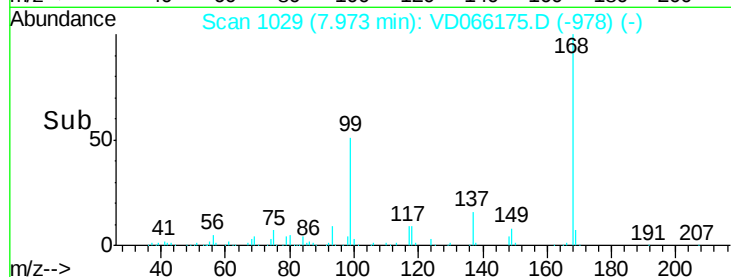
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.206 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066175.D

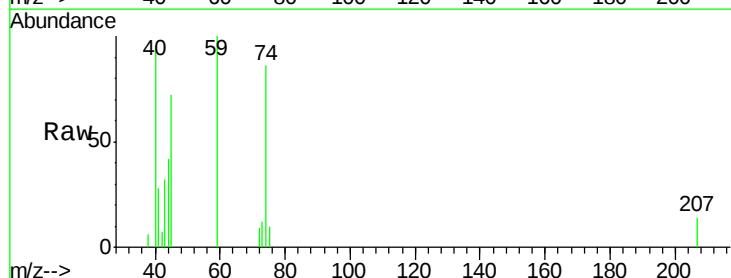
Acq: 10 Aug 2020 20:40

Tgt Ion: 74 Resp: 4605

Ion Ratio Lower Upper

74 100

45 102.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

2500

2000

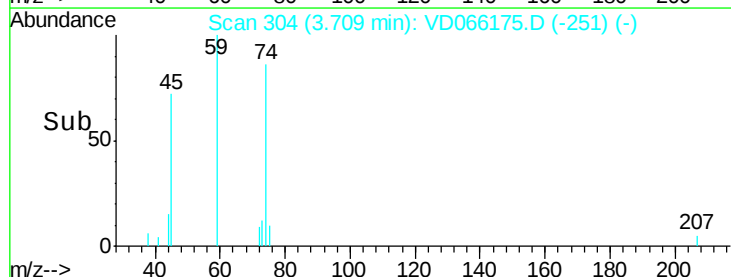
1500

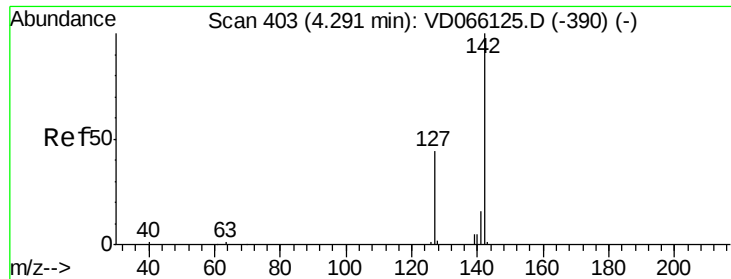
1000

500

0

Time-->

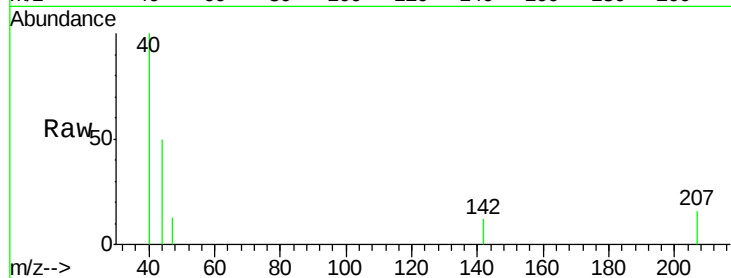




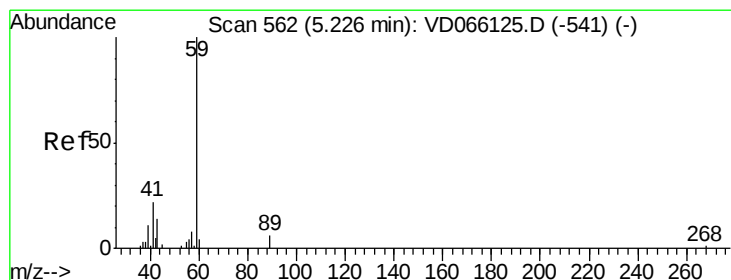
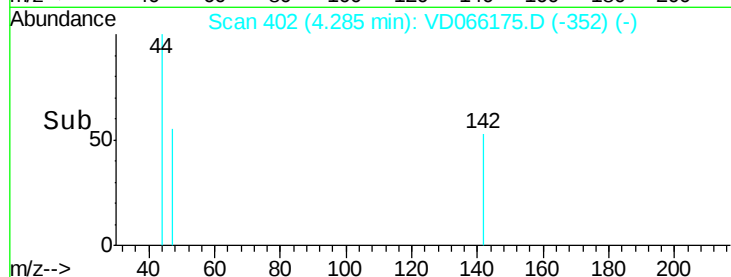
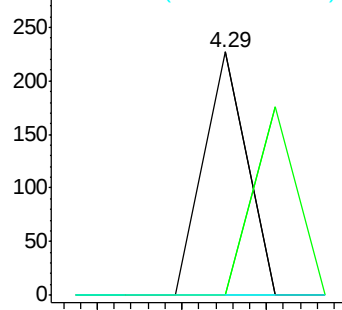
#10
Methyl Iodide
Concen: 6.736 ug/l
RT: 4.29 min Scan# 402
Delta R.T. -0.00 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-2

Tot Ion:142 Resp: 80
Ion Ratio Lower Upper
142 100
127 77.5 36.2 54.4#
141 0.0 12.6 18.8#

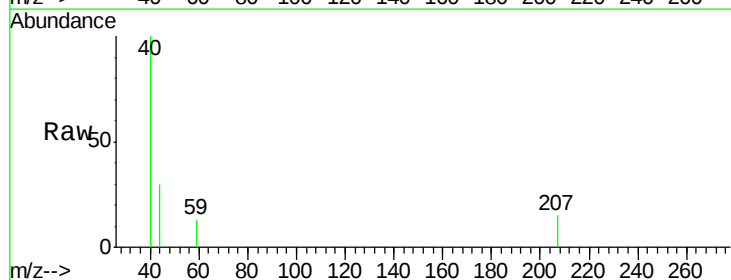


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

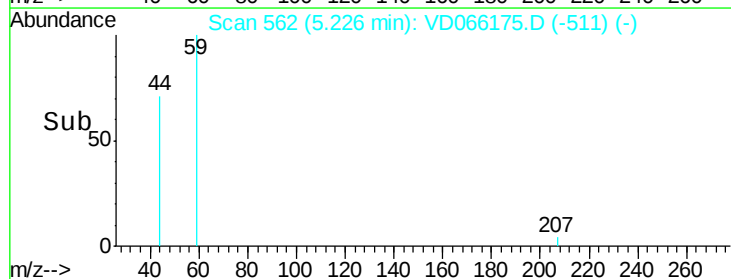
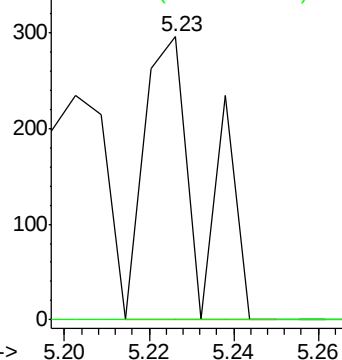


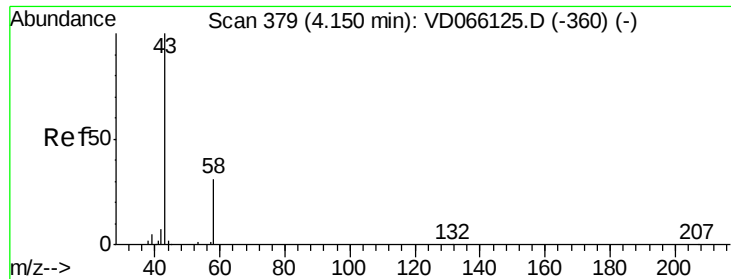
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.928 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Instrument :

MSVOA_D

ClientSampleId :

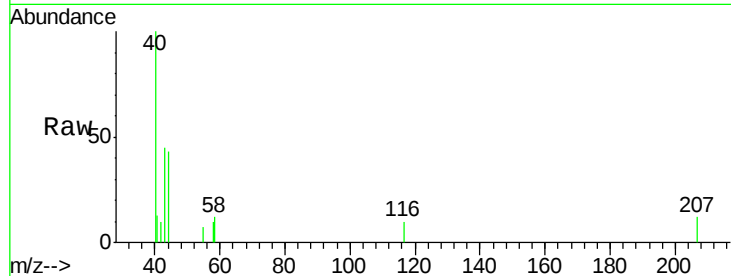
CAR-WASH-AREA-2

Tot Ion: 43 Resp: 1595

Ion Ratio Lower Upper

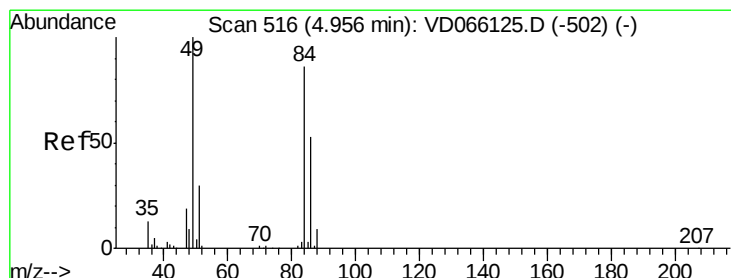
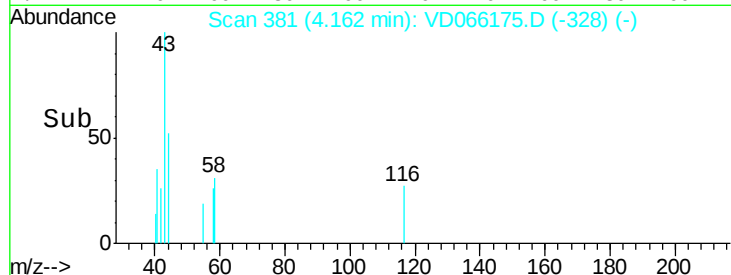
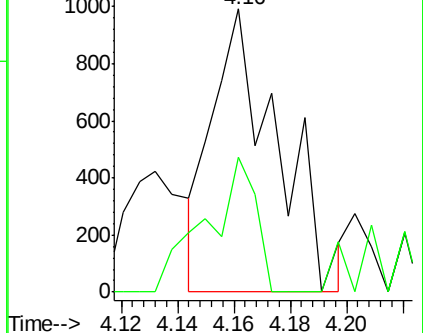
43 100

58 35.9 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: 2.837 ug/l

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Tgt Ion: 84 Resp: 22642

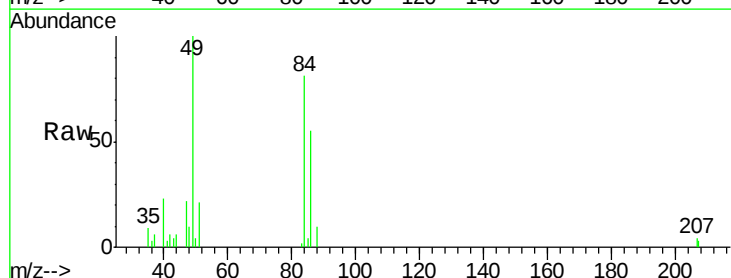
Ion Ratio Lower Upper

84 100

49 123.8 93.5 140.3

51 26.1 28.2 42.4#

86 67.7 49.5 74.3

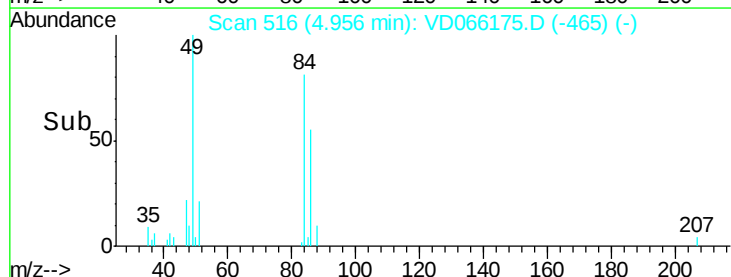
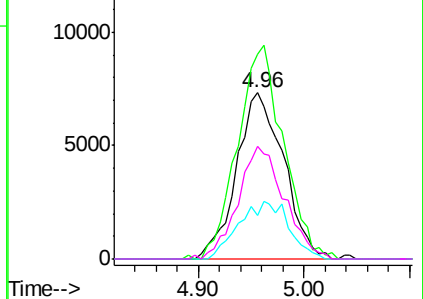


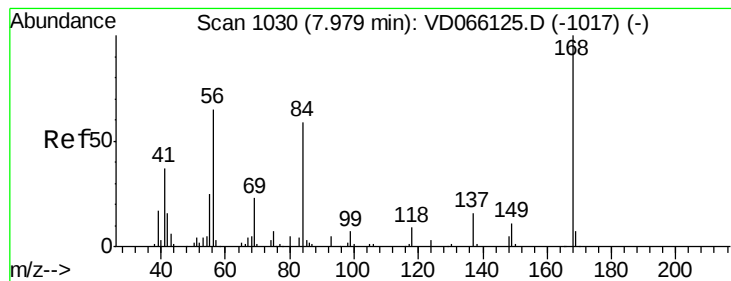
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 3.906 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Instrument :

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ClientSampleId :

CAR-WASH-AREA-2

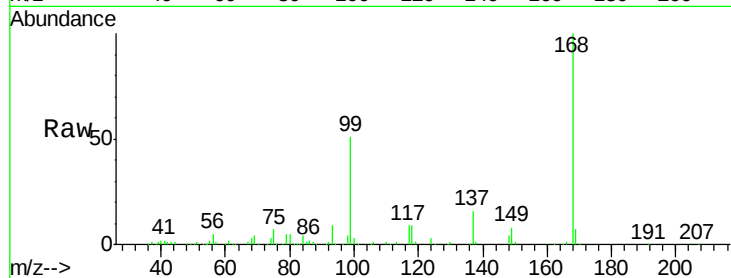
Tot Ion: 56 Resp: 19647

Ion Ratio Lower Upper

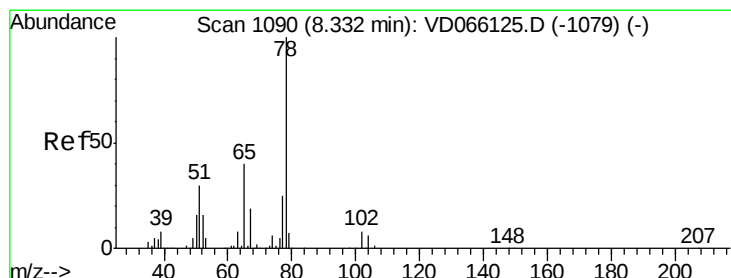
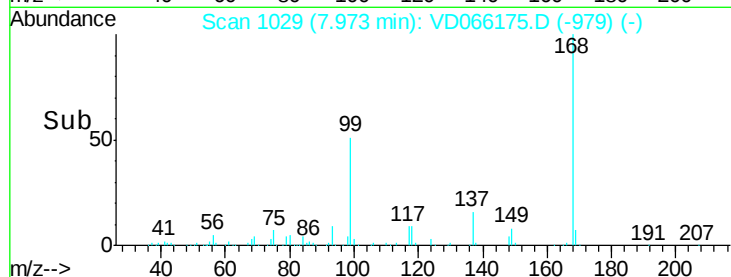
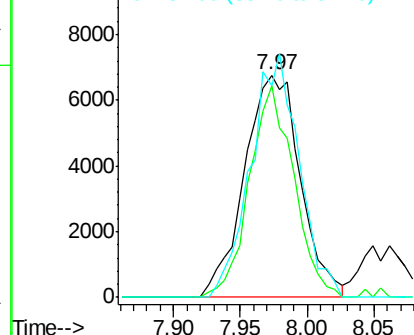
56 100

69 95.2 28.8 43.2#

84 95.2 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: 49.360 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066175.D

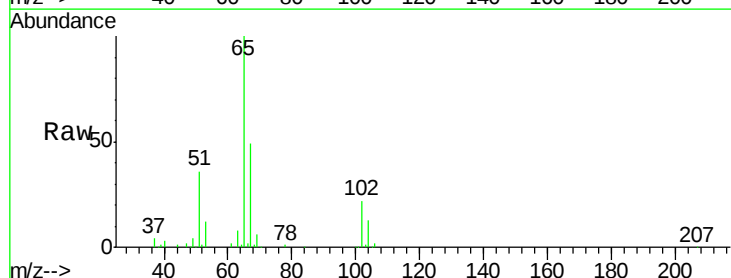
Acq: 10 Aug 2020 20:40

Tgt Ion: 65 Resp: 141727

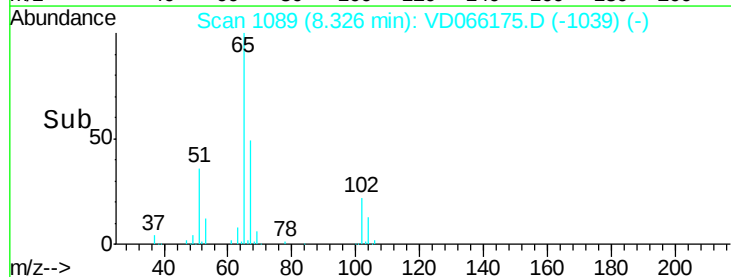
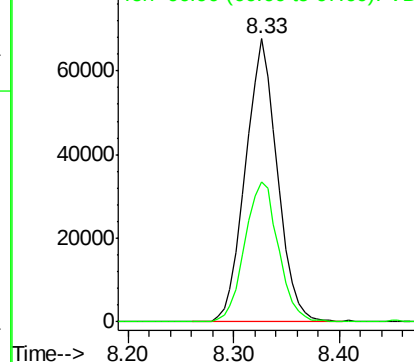
Ion Ratio Lower Upper

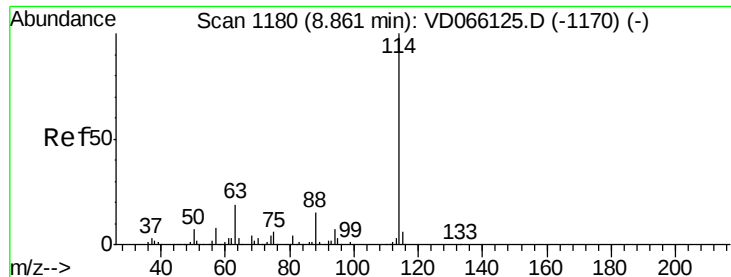
65 100

67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

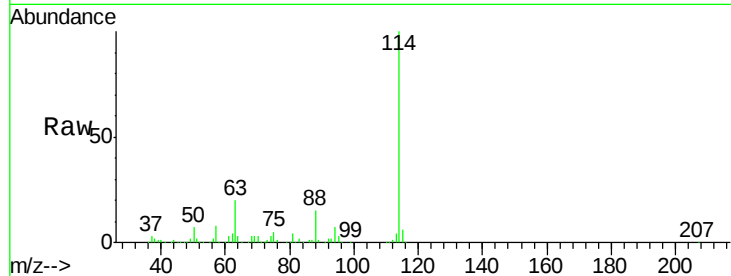




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066175.D
 Acq: 10 Aug 2020 20:40

Instrument :
 MSVOA_D
 ClientSampleId :
 CAR-WASH-AREA-2

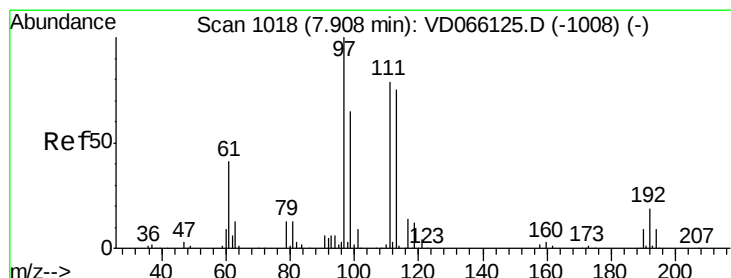
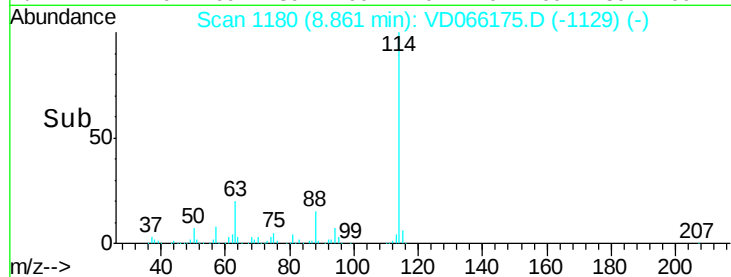
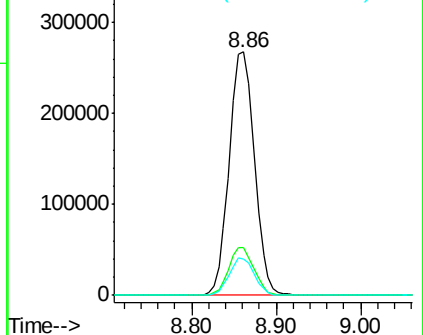
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.6
88	14.9	0.0	30.0



Abundance Ion 113.90 (113.60 to 114.60): V

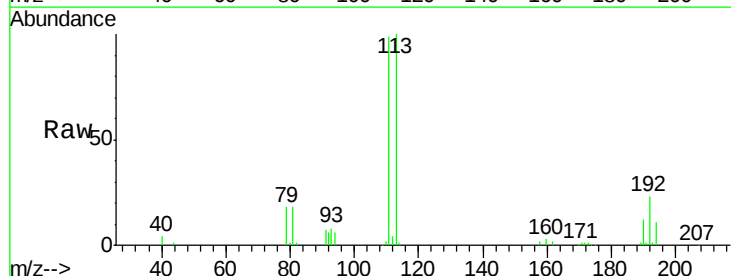
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 48.040 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066175.D
 Acq: 10 Aug 2020 20:40

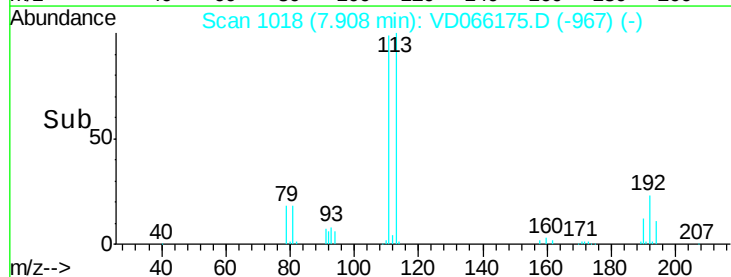
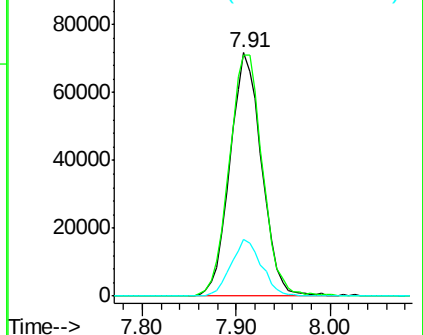
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.7	121.1
192	22.3	18.4	27.6

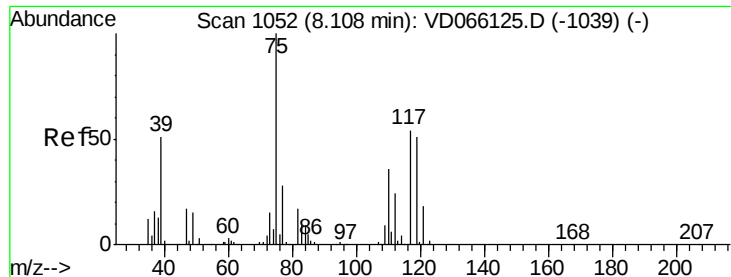


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.486 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

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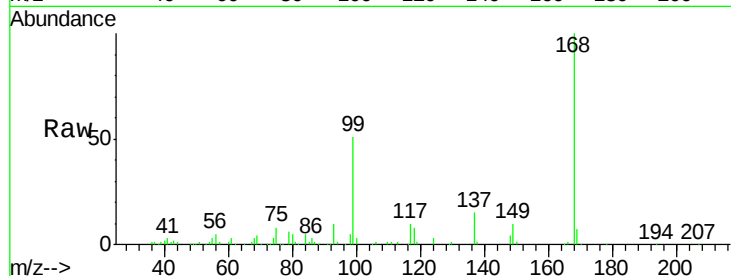
Tot Ion: 75 Resp: 23298

Ion Ratio Lower Upper

75 100

110 8.4 18.8 56.3#

77 1.1 24.2 36.2#

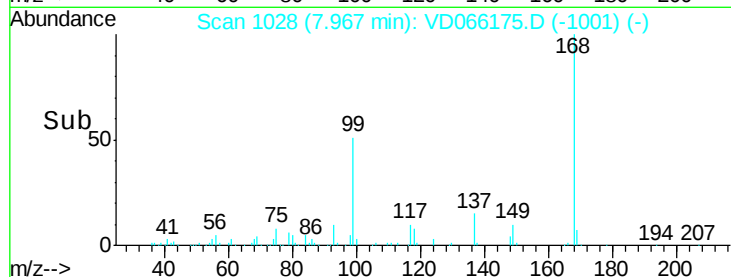


Abundance Ion 74.90 (74.60 to 75.60): VD066175.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066175.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066175.D (-998) (-)

Time-->

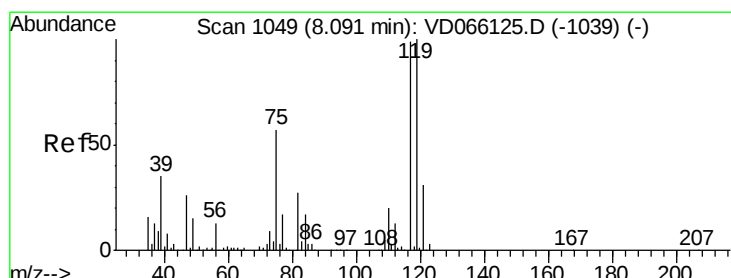


Abundance Ion 74.90 (74.60 to 75.60): VD066175.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066175.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066175.D (-998) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.924 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

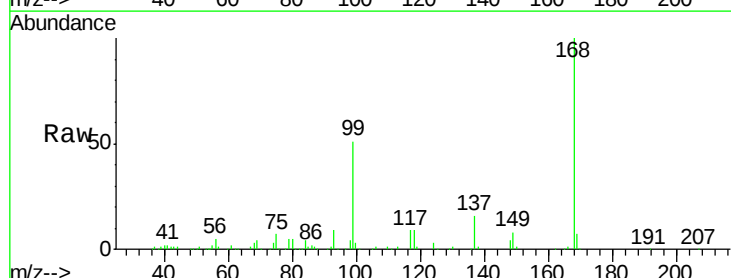
Tgt Ion: 117 Resp: 28516

Ion Ratio Lower Upper

117 100

119 7.4 81.0 121.4#

121 0.0 24.8 37.2#

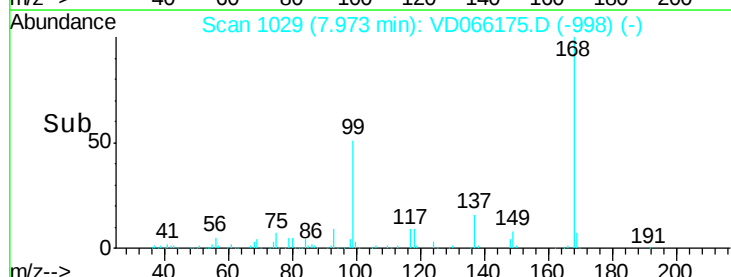


Abundance Ion 116.80 (116.50 to 117.50): VD066175.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066175.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066175.D (-998) (-)

Time-->

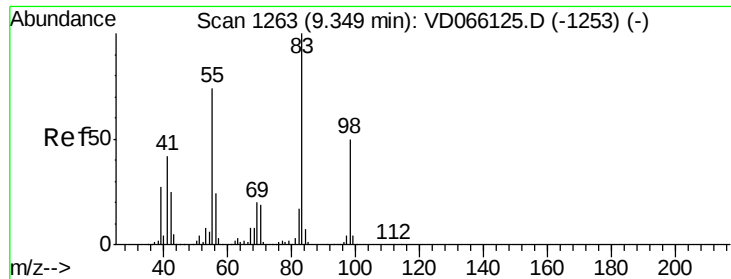


Abundance Ion 116.80 (116.50 to 117.50): VD066175.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066175.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066175.D (-998) (-)

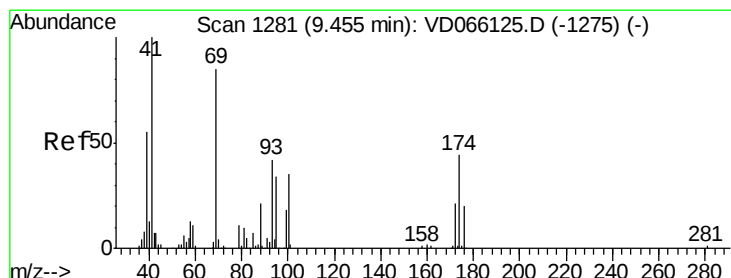
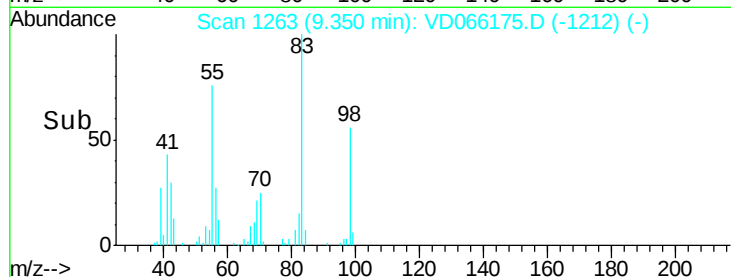
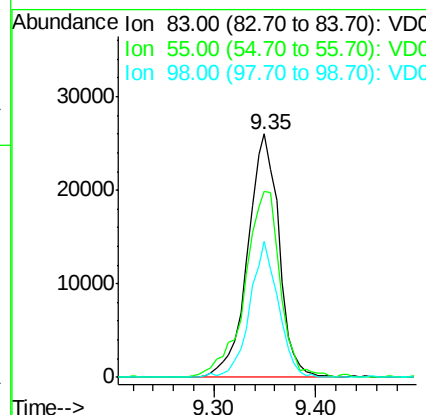
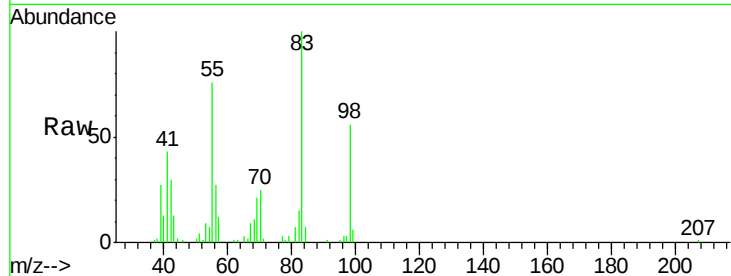
Time-->



#39
Methylcyclohexane
Concen: 8.865 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

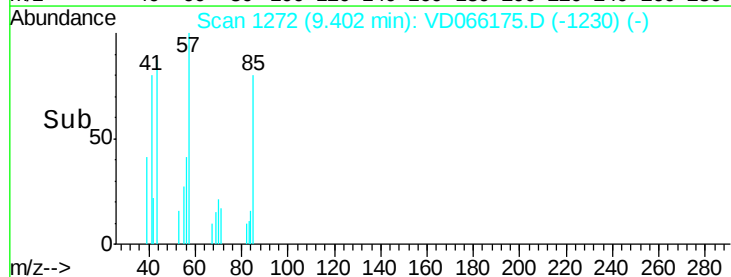
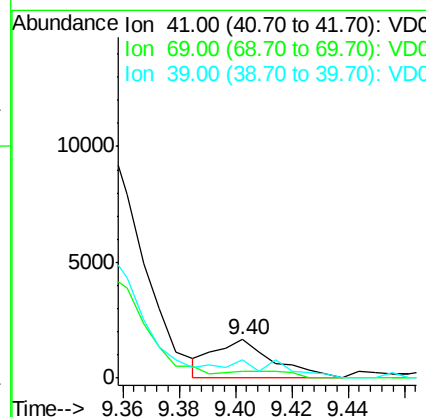
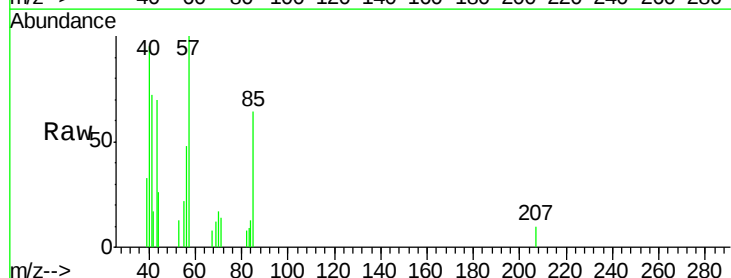
Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-2

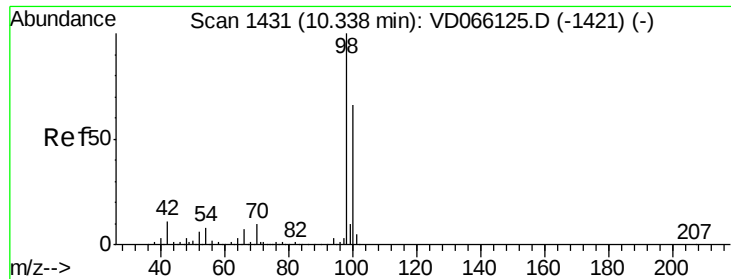
Tot Ion: 83 Resp: 55654
Ion Ratio Lower Upper
83 100
55 75.5 59.2 88.8
98 55.7 39.8 59.6



#48
Methyl methacrylate
Concen: 1.181 ug/l
RT: 9.40 min Scan# 1272
Delta R.T. -0.05 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

Tgt Ion: 41 Resp: 2446
Ion Ratio Lower Upper
41 100
69 0.0 63.9 95.9#
39 0.0 42.6 64.0#





#50

Toluene-d8

Concen: 53.983 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Instrument :

MSVOA_D

ClientSampleId :

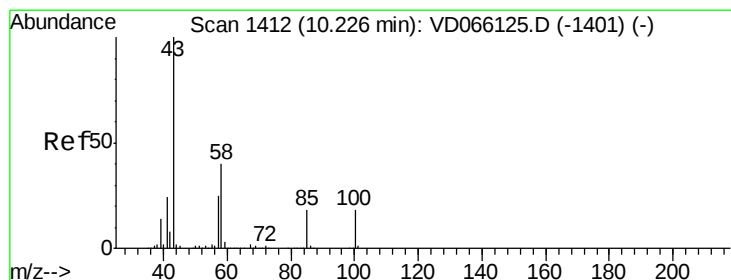
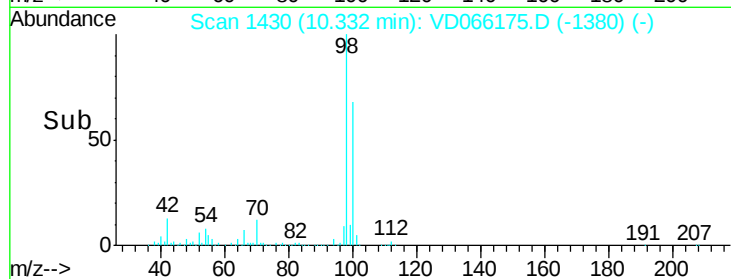
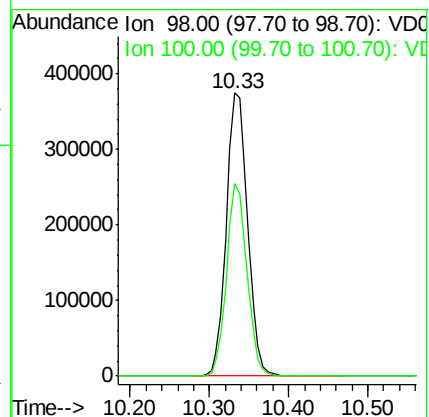
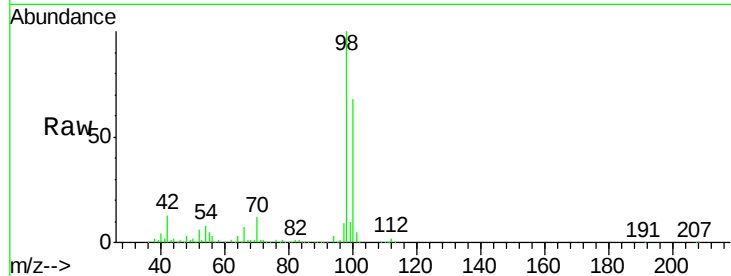
CAR-WASH-AREA-2

Tot Ion: 98 Resp: 697480

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 3.579 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066175.D

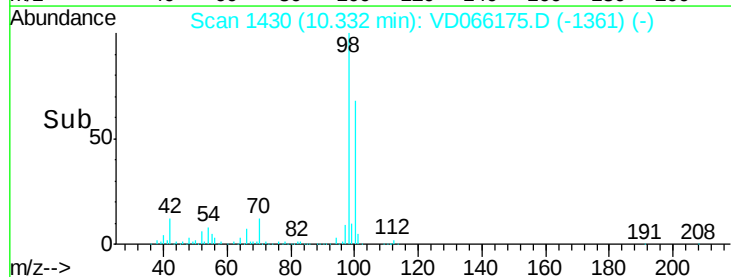
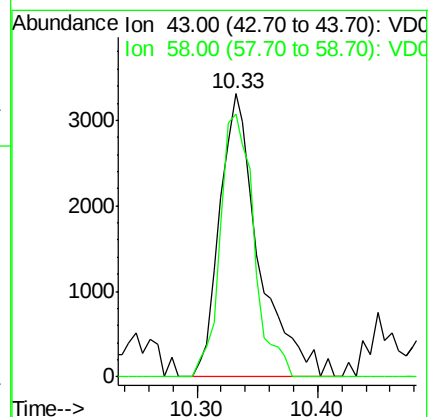
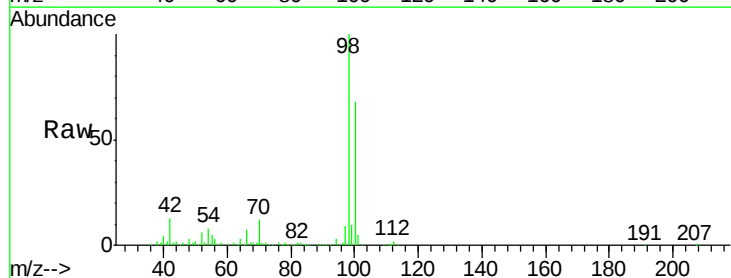
Acq: 10 Aug 2020 20:40

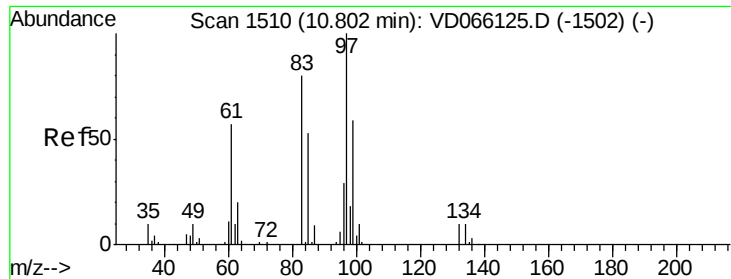
Tgt Ion: 43 Resp: 7454

Ion Ratio Lower Upper

43 100

58 79.4 31.1 46.7#

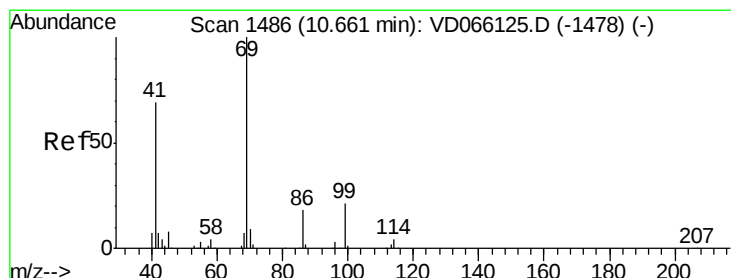
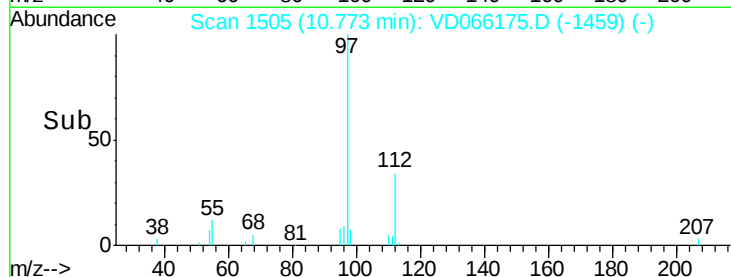
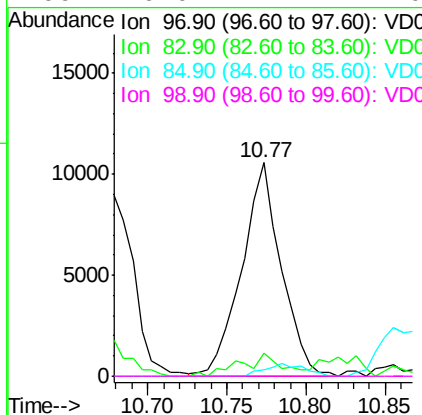
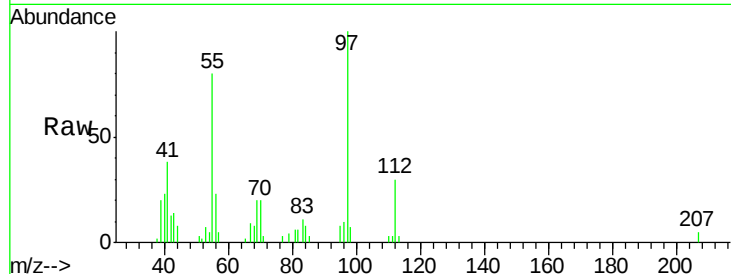




#55
 1,1,2-Trichloroethane
 Concen: 6.546 ug/l
 RT: 10.77 min Scan# 1505
 Delta R.T. -0.03 min
 Lab File: VD066175.D
 Acq: 10 Aug 2020 20:40

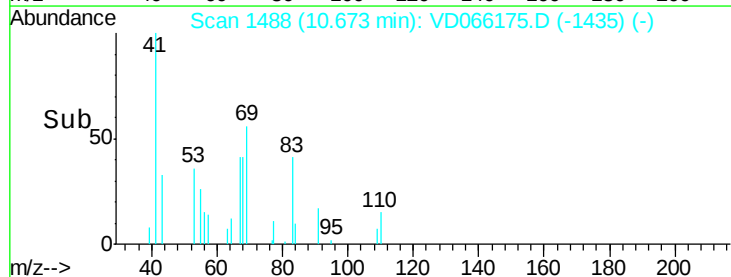
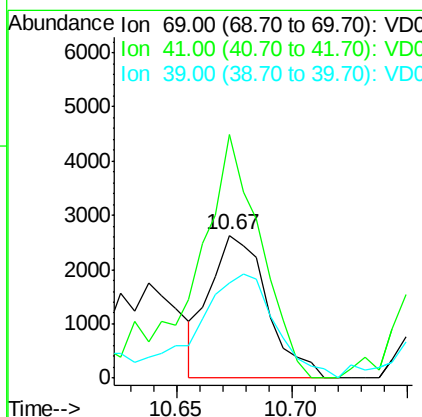
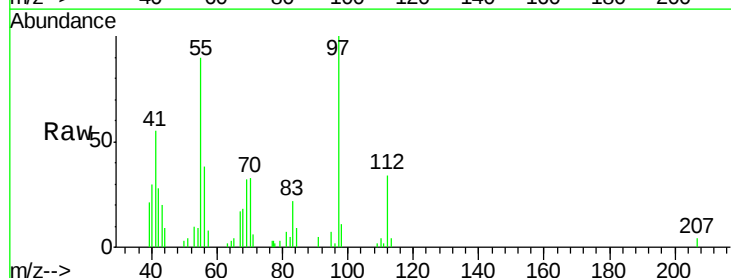
Instrument :
 MSVOA_D
 ClientSampleId :
 CAR-WASH-AREA-2

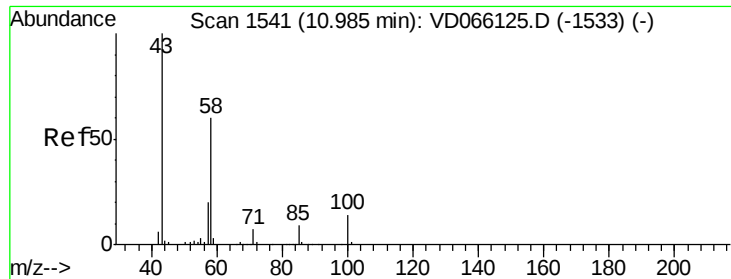
Tot Ion: 97 Resp: 18295
 Ion Ratio Lower Upper
 97 100
 83 10.6 63.9 95.9#
 85 3.0 42.5 63.7#
 99 0.0 47.4 71.0#



#56
 Ethyl methacrylate
 Concen: 1.346 ug/l
 RT: 10.67 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VD066175.D
 Acq: 10 Aug 2020 20:40

Tgt Ion: 69 Resp: 4518
 Ion Ratio Lower Upper
 69 100
 41 222.8 54.1 81.1#
 39 99.8 28.6 43.0#

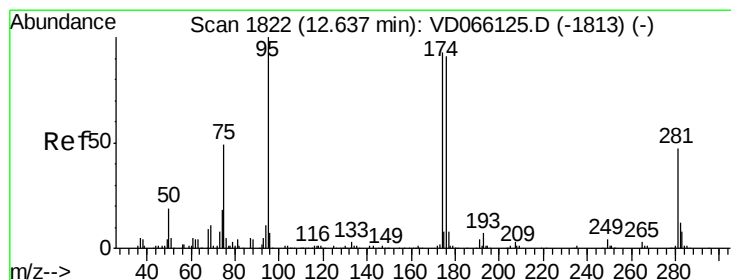
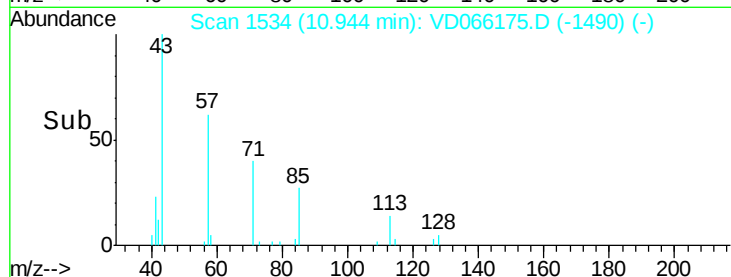
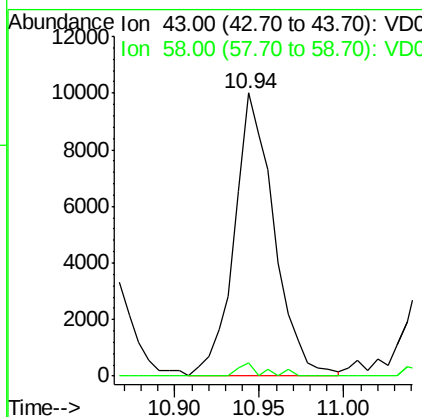
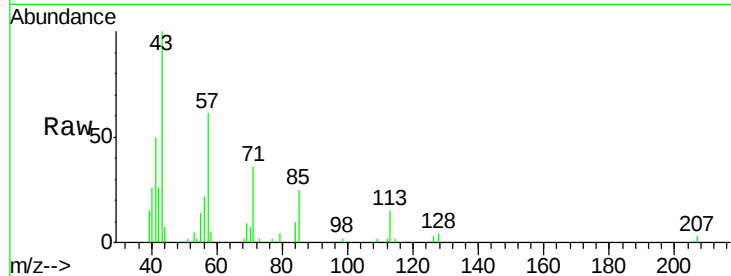




#59
2-Hexanone
Concen: 11.229 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

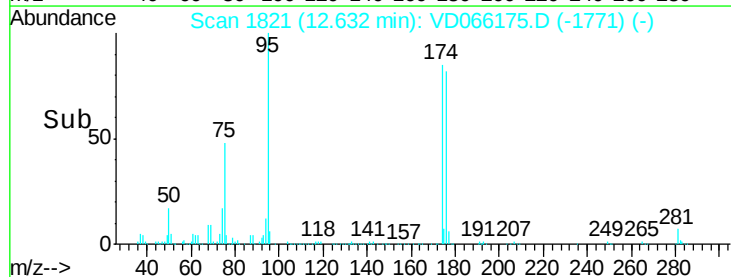
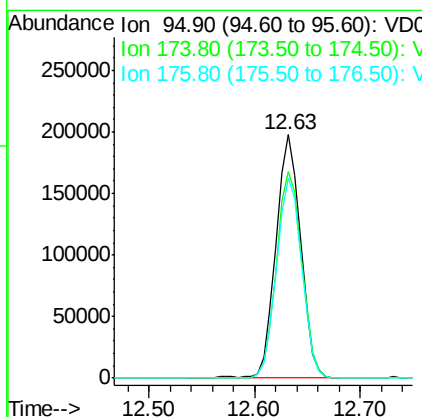
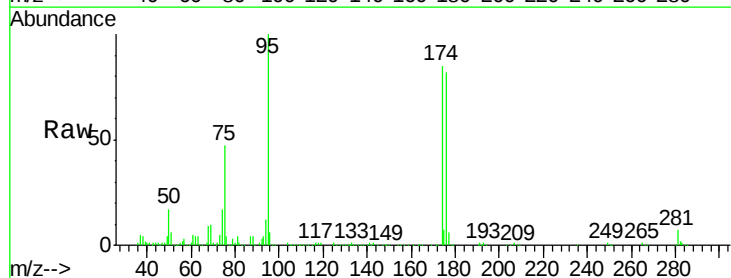
Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-2

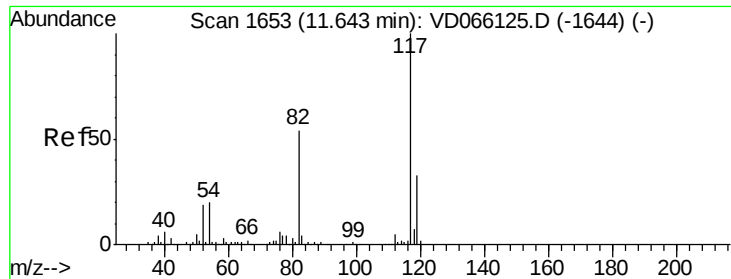
Tot Ion: 43 Resp: 16412
Ion Ratio Lower Upper
43 100
58 2.6 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 68.124 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

Tgt Ion: 95 Resp: 317269
Ion Ratio Lower Upper
95 100
174 87.4 0.0 180.8
176 83.9 0.0 181.2

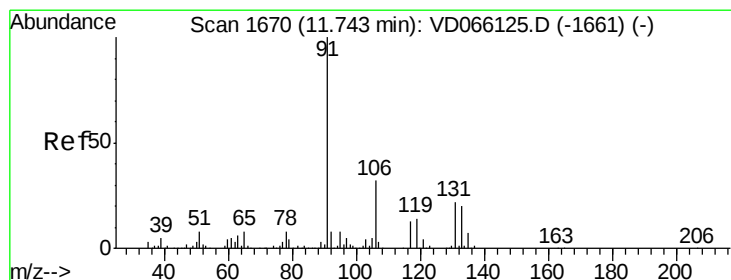
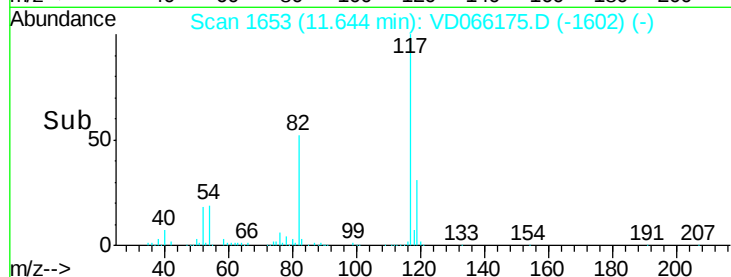
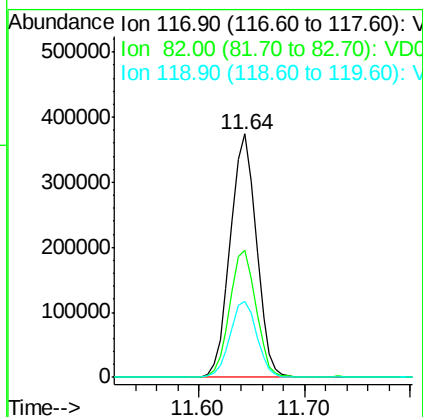
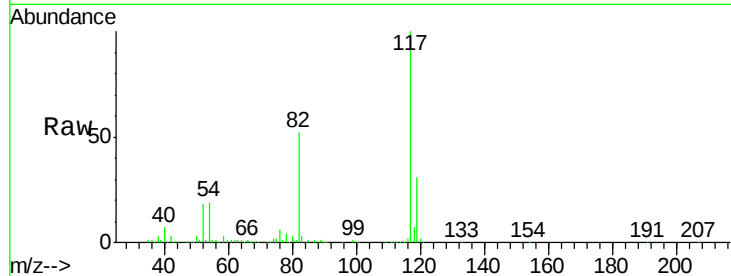




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

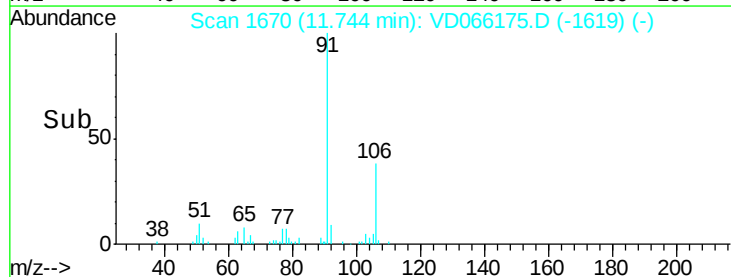
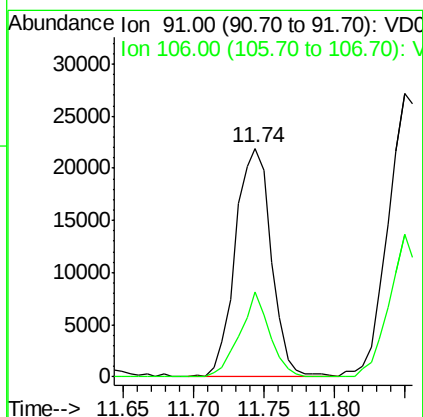
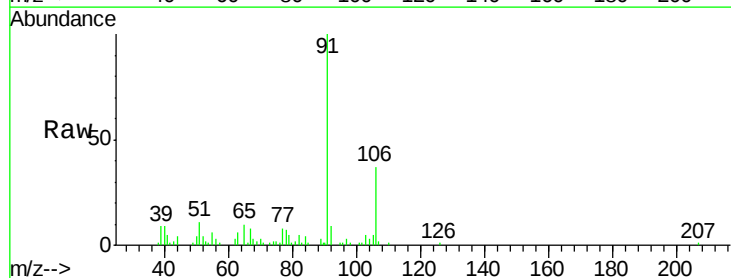
Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-2

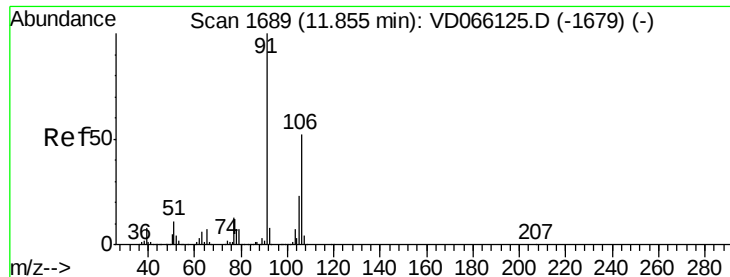
Tot Ion:117 Resp: 640361
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 31.1 26.1 39.1



#67
Ethyl Benzene
Concen: 1.730 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

Tgt Ion: 91 Resp: 38976
Ion Ratio Lower Upper
91 100
106 37.4 25.7 38.5

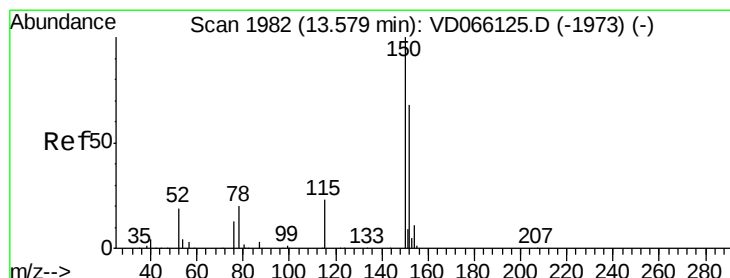
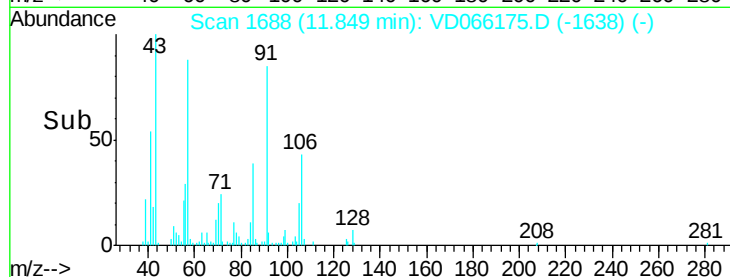
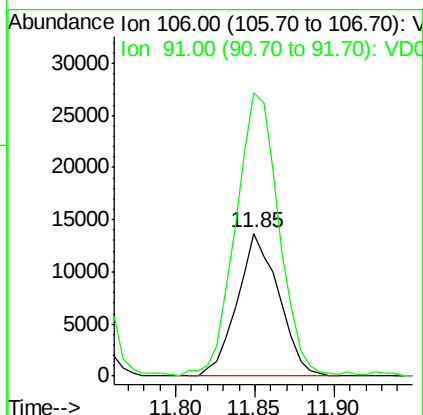
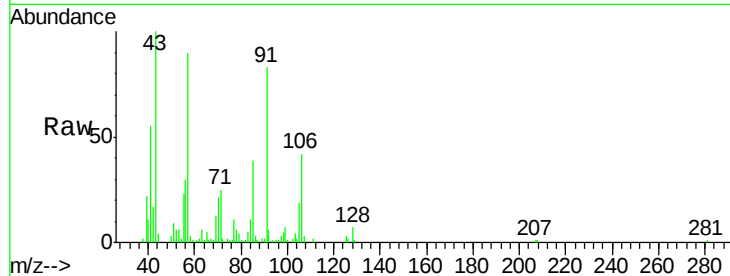




#68
m/p-Xvlenes
Concen: 2.851 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

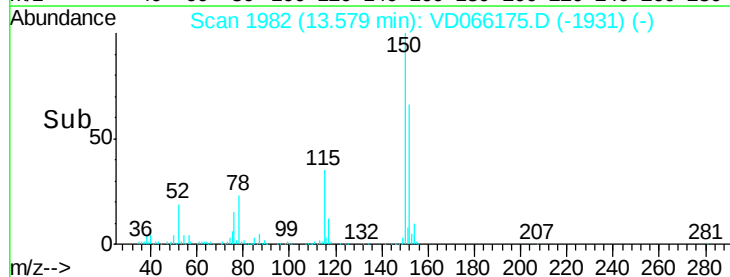
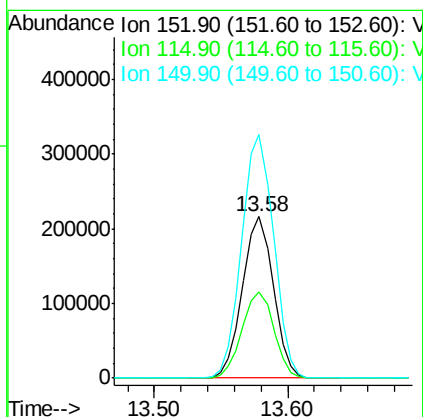
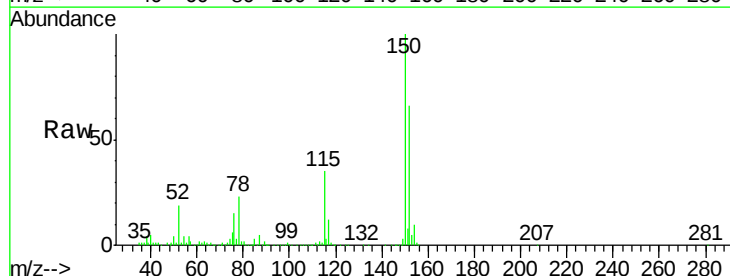
Instrument :
MSVOA_D
ClientSampleId :
CAR-WASH-AREA-2

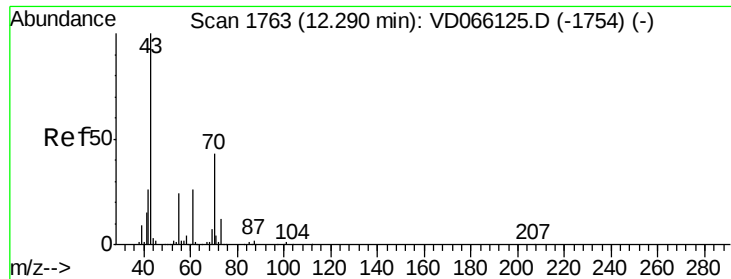
Tot Ion:106 Resp: 24886
Ion Ratio Lower Upper
106 100
91 206.3 156.6 235.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066175.D
Acq: 10 Aug 2020 20:40

Tgt Ion:152 Resp: 348150
Ion Ratio Lower Upper
152 100
115 55.0 28.0 83.9
150 155.3 0.0 346.4





#74

N-amvl acetate

Concen: 2.185 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Instrument :

MSVOA_D

ClientSampleId :

CAR-WASH-AREA-2

Tot Ion: 43 Resp: 11184

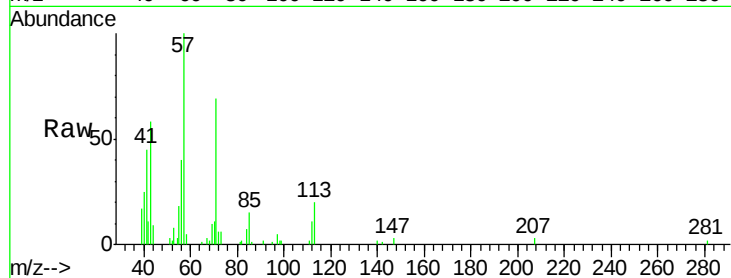
Ion Ratio Lower Upper

43 100

70 18.1 34.9 52.3#

55 0.0 19.2 28.8#

61 0.0 19.7 29.5#

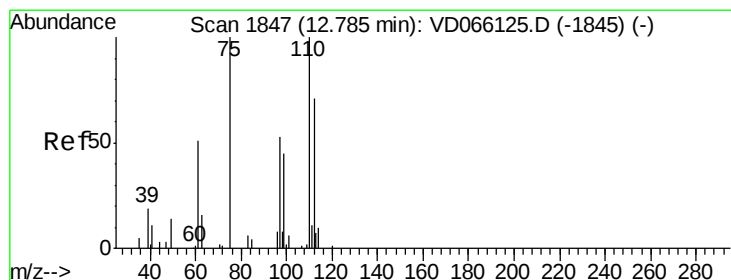
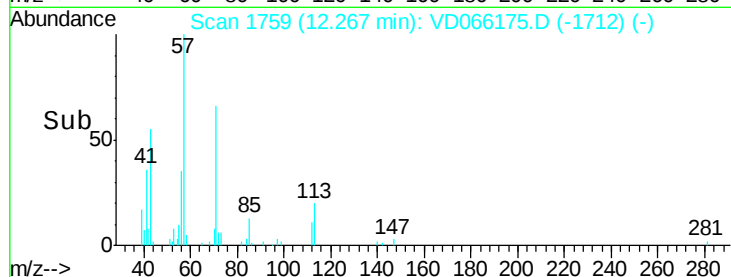
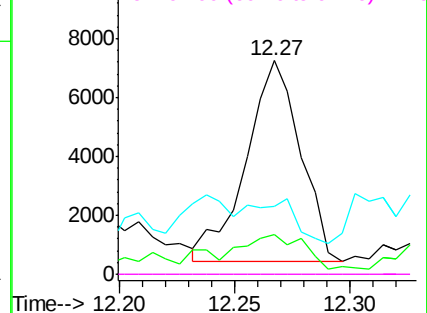


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 52.398 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066175.D

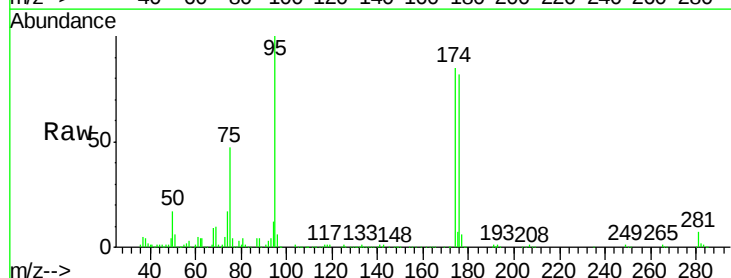
Acq: 10 Aug 2020 20:40

Tgt Ion: 75 Resp: 152128

Ion Ratio Lower Upper

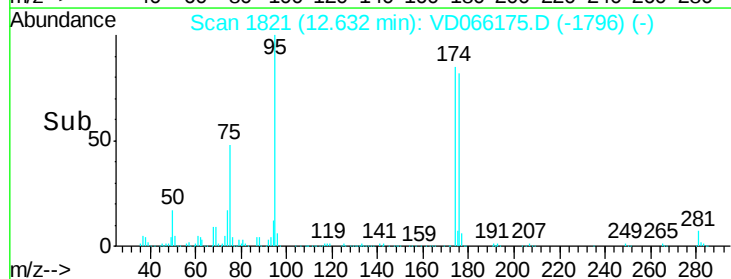
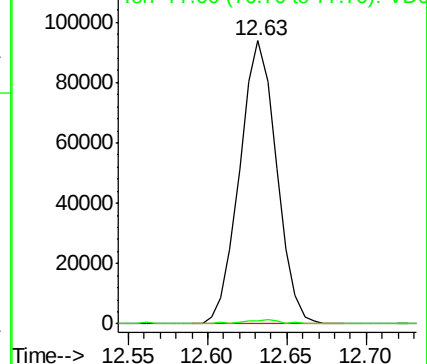
75 100

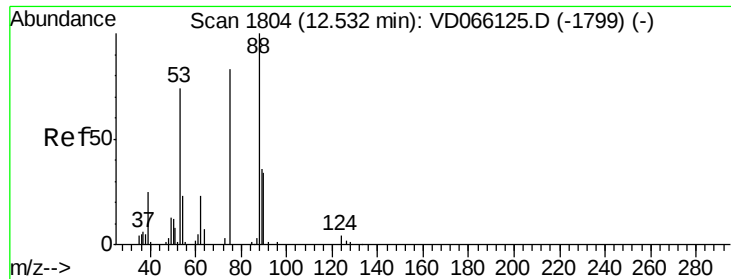
77 1.5 0.0 0.0#



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: 115.829 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066175.D

Acq: 10 Aug 2020 20:40

Instrument :

MSVOA_D

ClientSampleId :

CAR-WASH-AREA-2

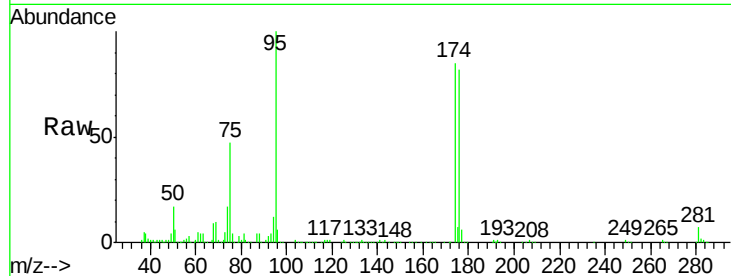
Tot Ion: 75 Resp: 152128

Ion Ratio Lower Upper

75 100

53 0.4 73.4 110.2#

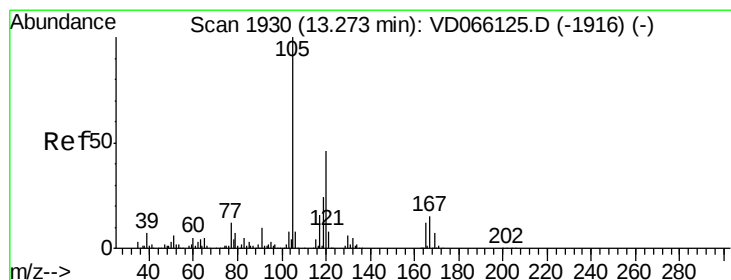
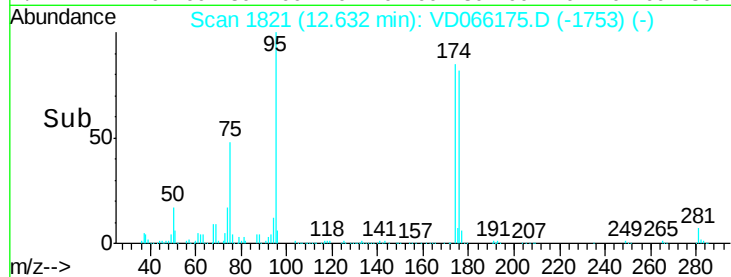
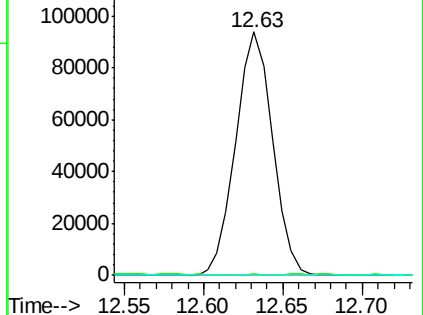
89 0.1 36.6 55.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.880 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066175.D

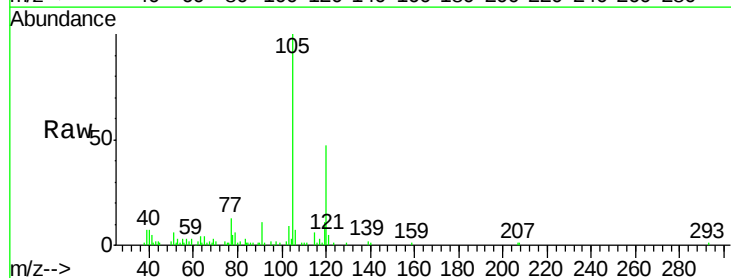
Acq: 10 Aug 2020 20:40

Tgt Ion:105 Resp: 56025

Ion Ratio Lower Upper

105 100

120 46.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

