

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066214.D
 Acq On : 13 Aug 2020 17:01
 Operator : VA/SY
 Sample : L3666-09
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB179-GW-643-645

Quant Time: Aug 14 03:03:11 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	7.98	168	215300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	328559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	293784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125701	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	106981	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
35) Dibromofluoromethane	7.91	113	107645	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.34	98	348819	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	12.63	95	118015	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	

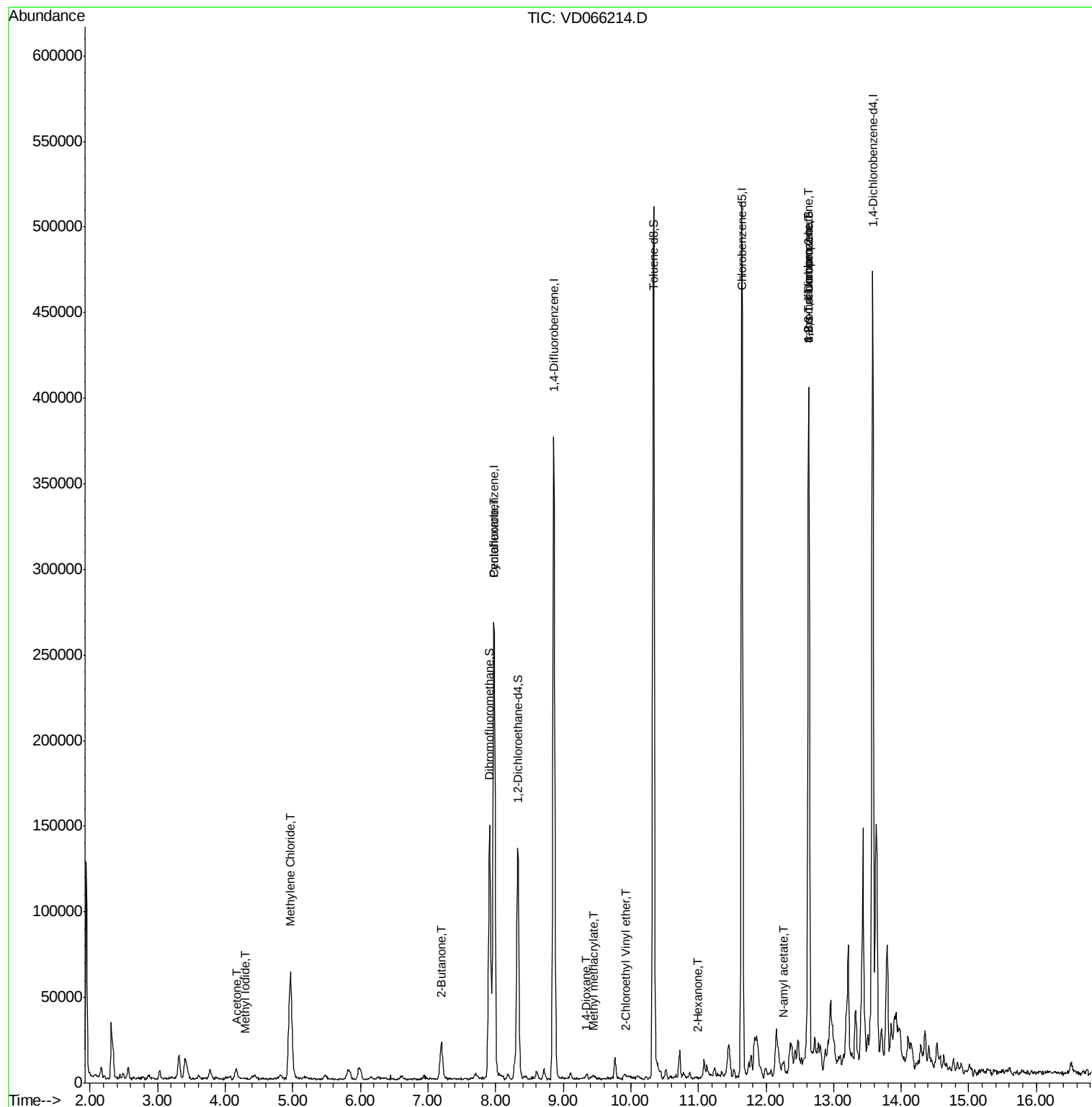
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	549	6.970	ug/l #	51
11) Tert butyl alcohol	5.21	59	728	Below Cal	#	76
16) Acetone	4.16	43	10755	29.510	ug/l #	76
20) Methylene Chloride	4.96	84	49400	20.886	ug/l	95
25) 2-Butanone	7.20	43	2953	5.509	ug/l	93
31) Cyclohexane	7.97	56	5061	1.504	ug/l #	1
48) Methyl methacrylate	9.45	41	1507	1.224	ug/l #	75
49) 1,4-Dioxane	9.33	88	60	4.048	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	958	1.067	ug/l #	82
59) 2-Hexanone	10.98	43	990	1.139	ug/l	76
74) N-amyl acetate	12.26	43	3224	1.745	ug/l #	54
76) 1,2,3-Trichloropropane	12.63	75	59521	56.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	59521	125.518	ug/l #	14

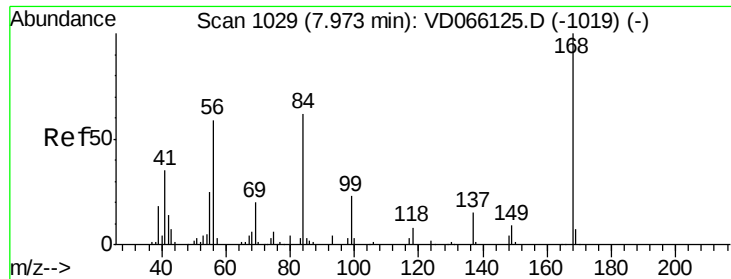
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081320\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066214.D

Acq: 13 Aug 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

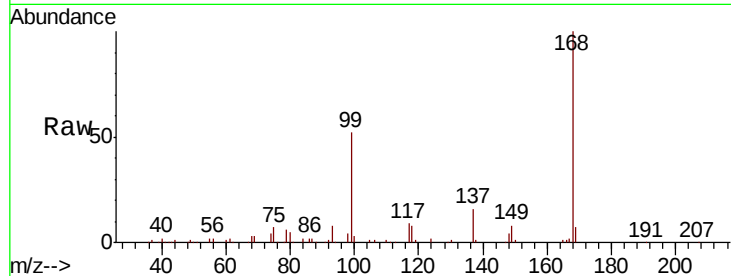
BP-VPB179-GW-643-645

Tot Ion:168 Resp: 215300

Ion Ratio Lower Upper

168 100

99 51.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

100000

80000

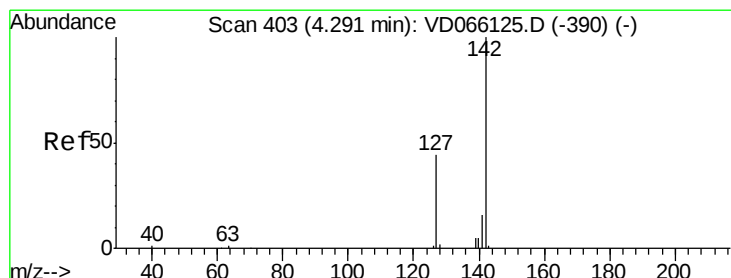
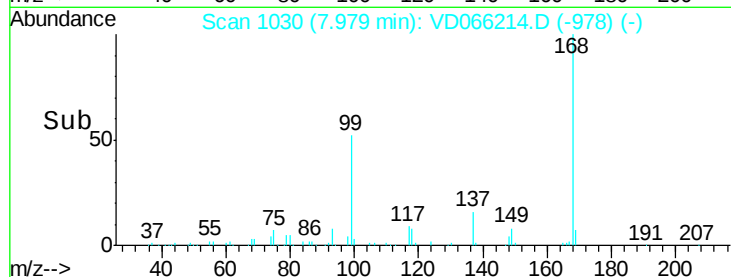
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.970 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066214.D

Acq: 13 Aug 2020 17:01

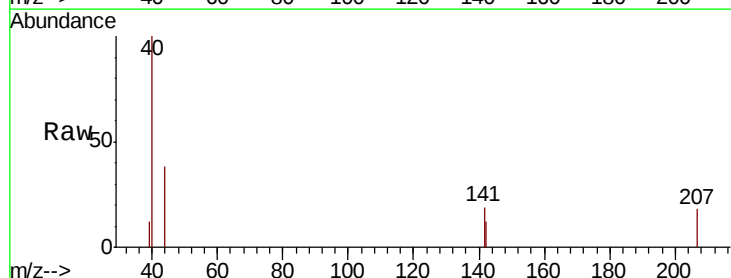
Tgt Ion:142 Resp: 549

Ion Ratio Lower Upper

142 100

127 10.2 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

4.30

500

400

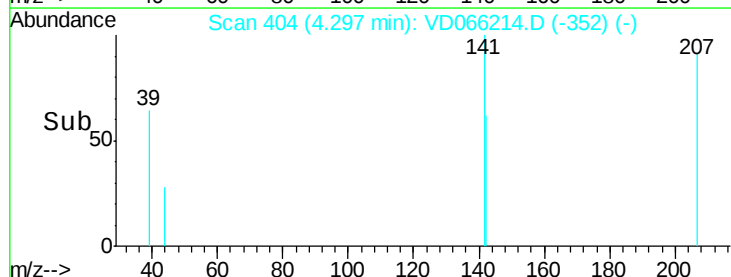
300

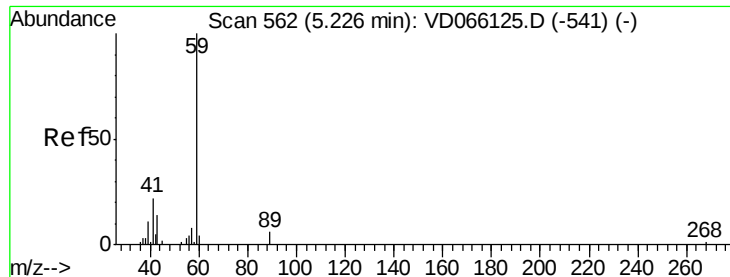
200

100

0

Time-->

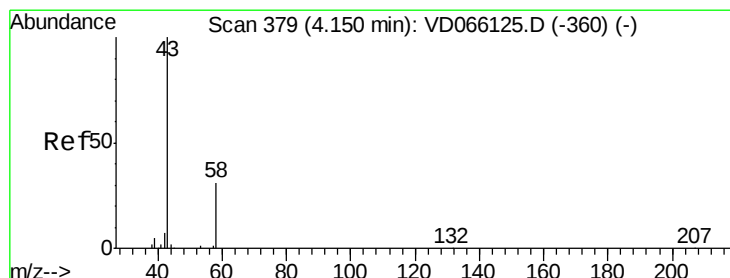
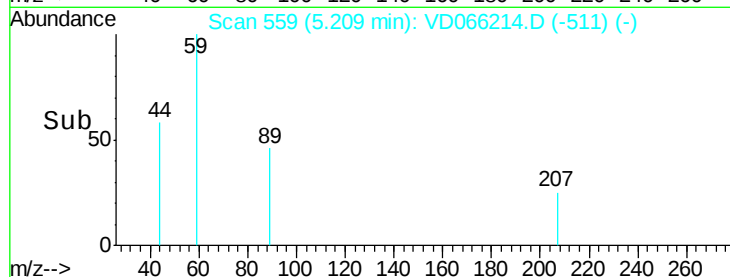
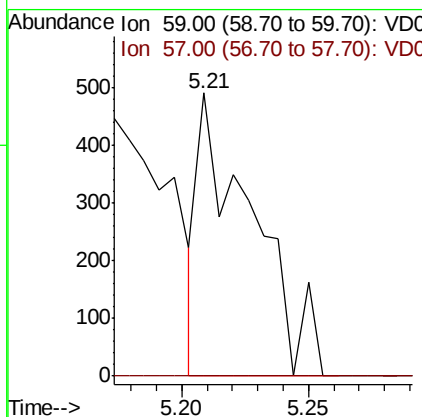
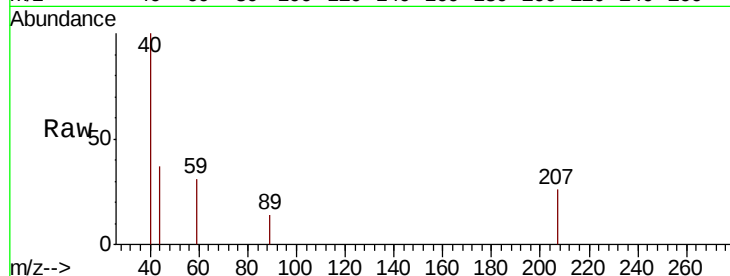




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

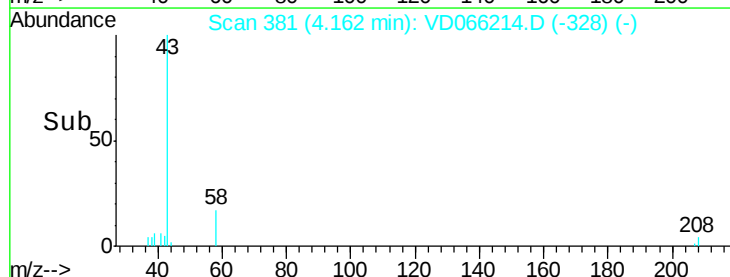
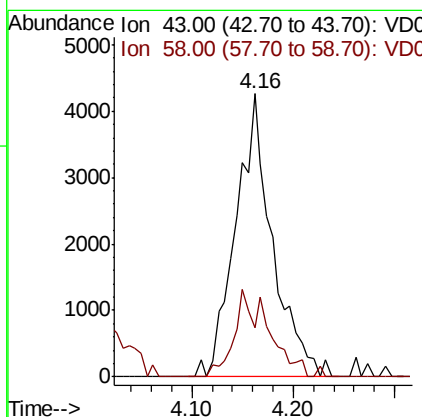
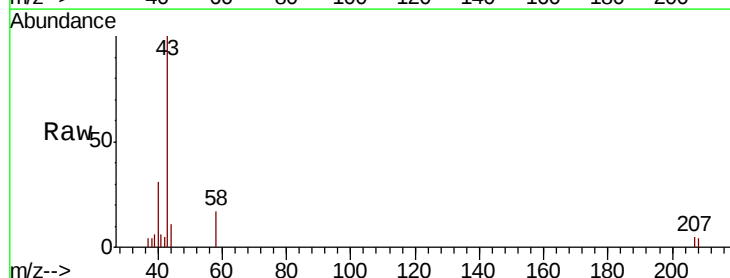
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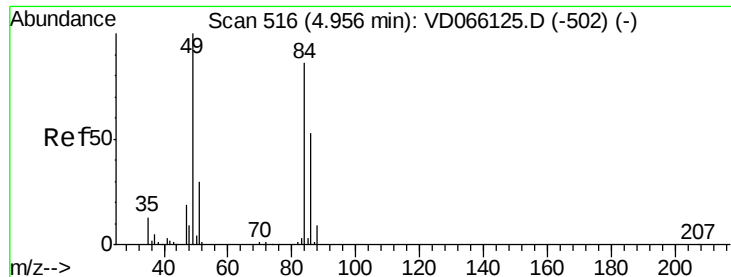
Tot Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#16
Acetone
Concen: 29.510 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion: 43 Resp: 10755
Ion Ratio Lower Upper
43 100
58 17.5 24.7 37.1#

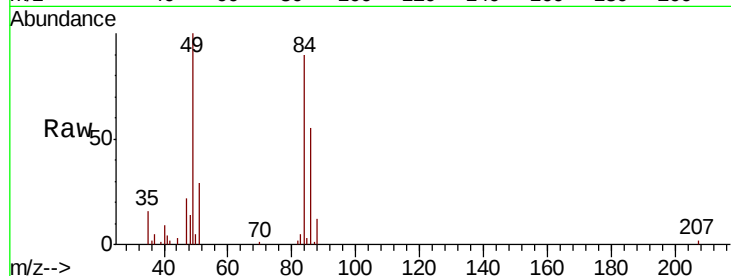




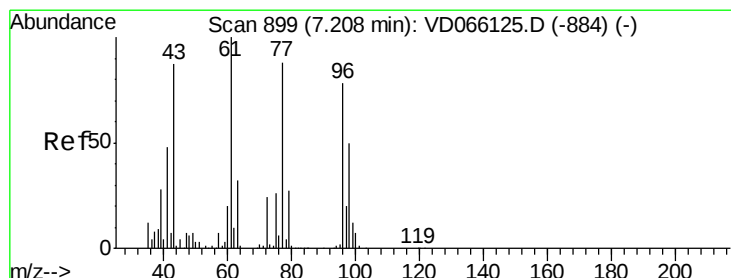
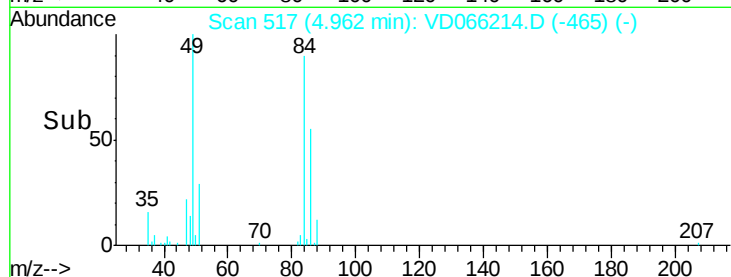
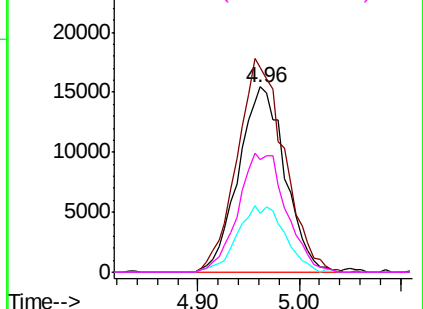
#20
Methvlene Chloride
Concen: 20.886 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB179-GW-643-645

Tot Ion:	84	Resp:	49400
Ion	Ratio	Lower	Upper
84	100		
49	110.5	93.5	140.3
51	31.8	28.2	42.4
86	60.8	49.5	74.3

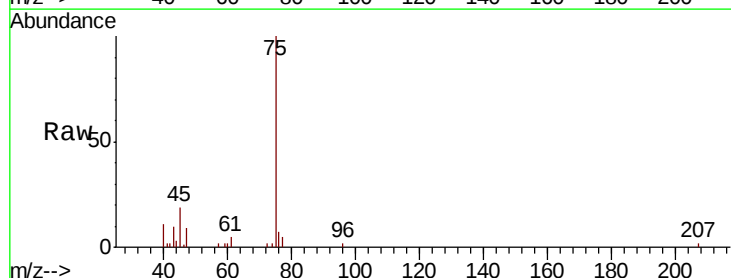


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

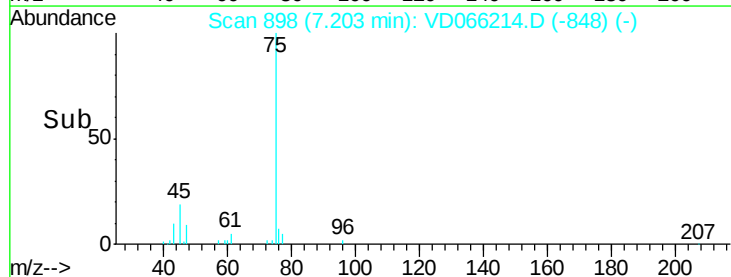
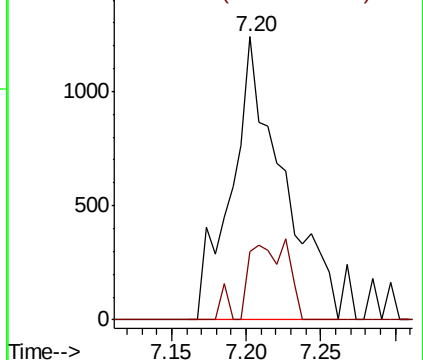


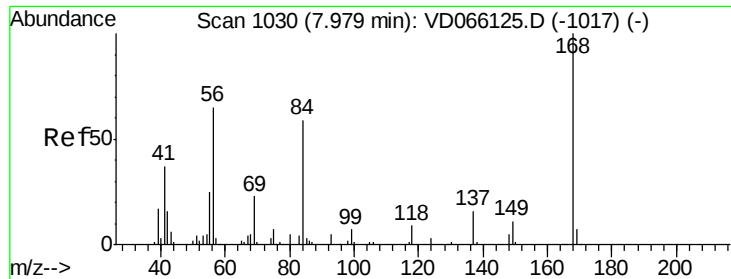
#25
2-Butanone
Concen: 5.509 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion:	43	Resp:	2953
Ion	Ratio	Lower	Upper
43	100		
72	24.1	22.2	33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

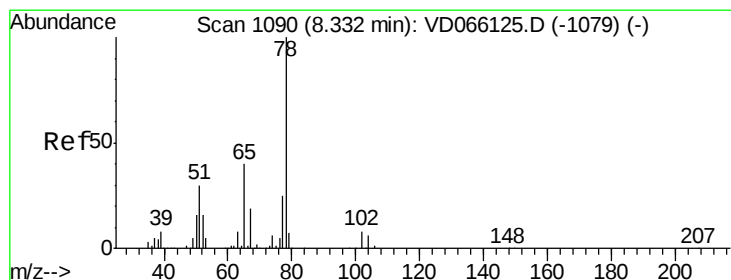
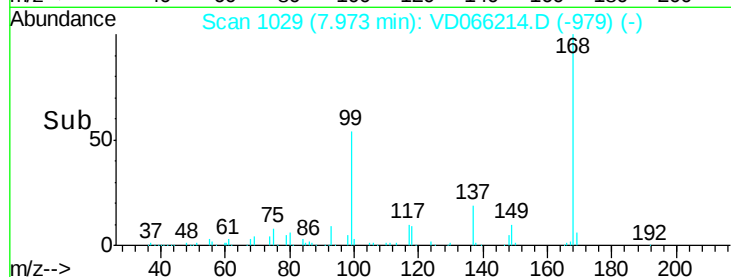
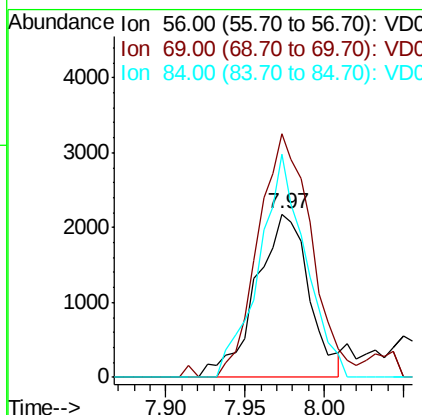
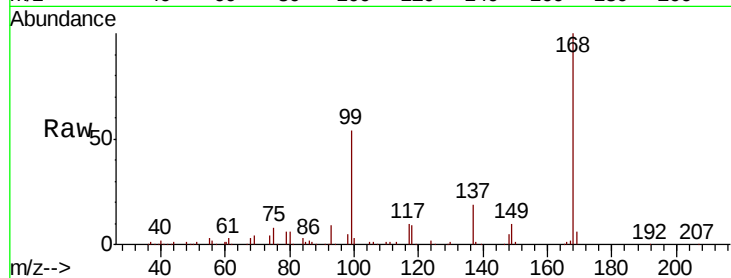




#31
Cyclohexane
Concen: 1.504 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

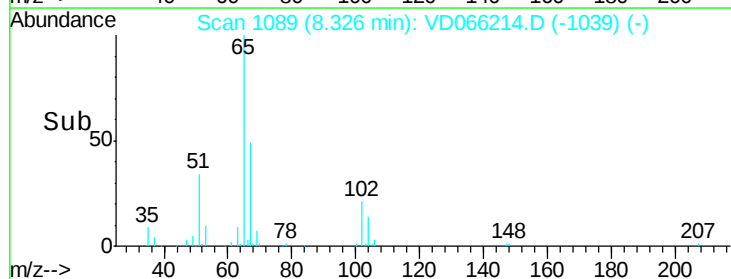
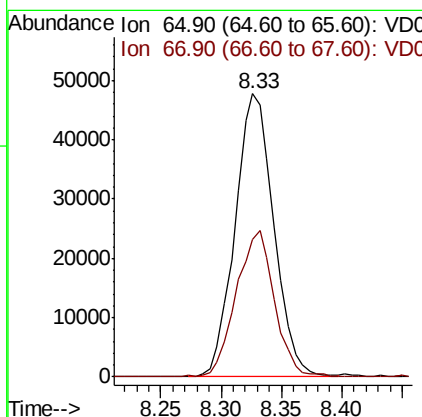
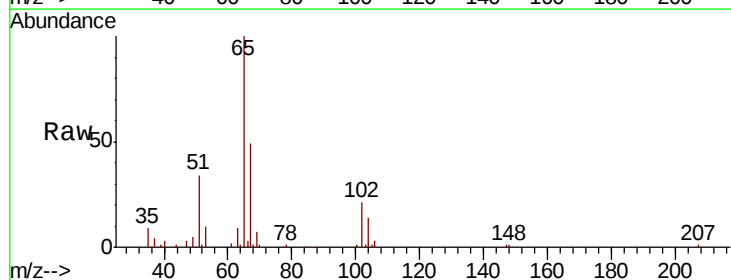
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MSVOA_D
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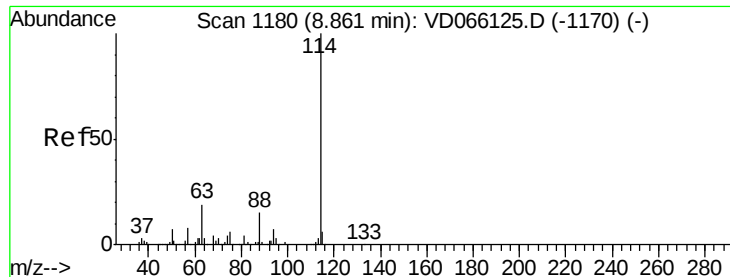
Tot Ion: 56 Resp: 5061
Ion Ratio Lower Upper
56 100
69 141.8 28.8 43.2#
84 165.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 55.696 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion: 65 Resp: 106981
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.6

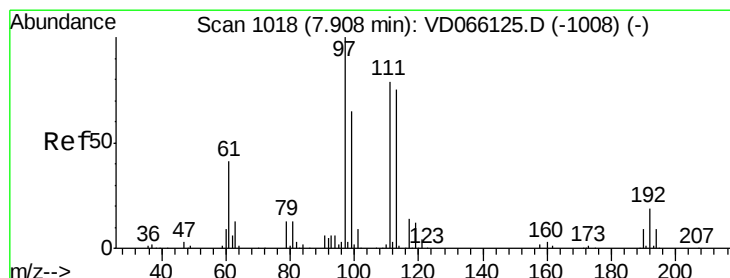
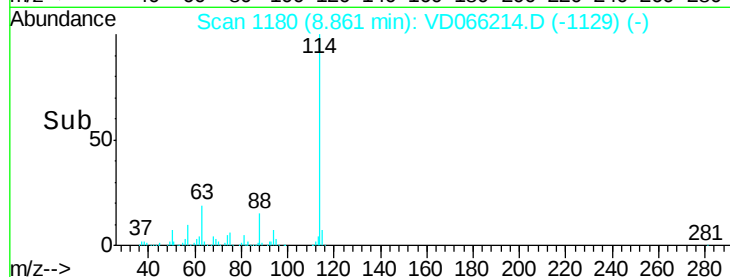
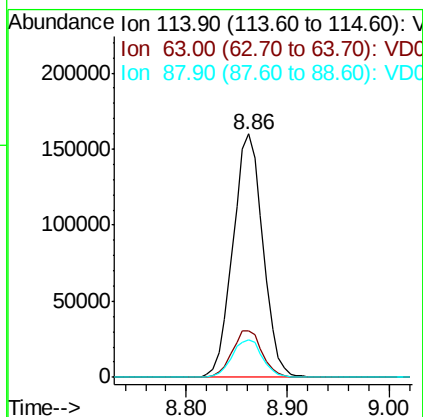
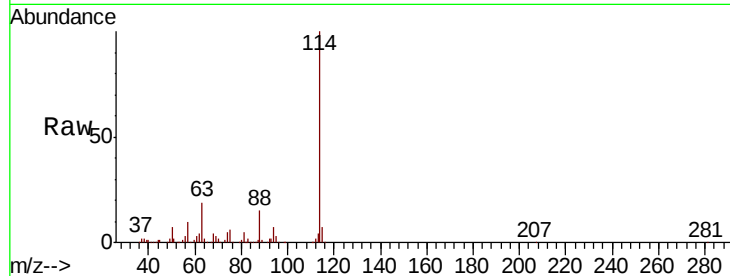




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066214.D
 Acq: 13 Aug 2020 17:01

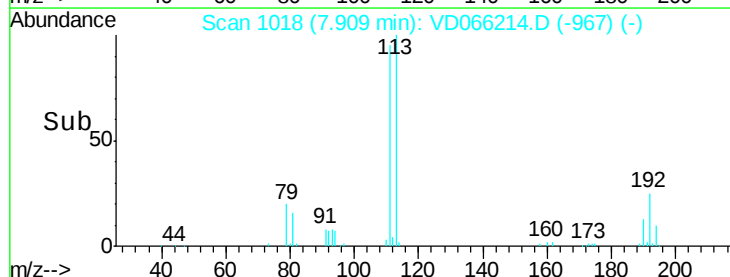
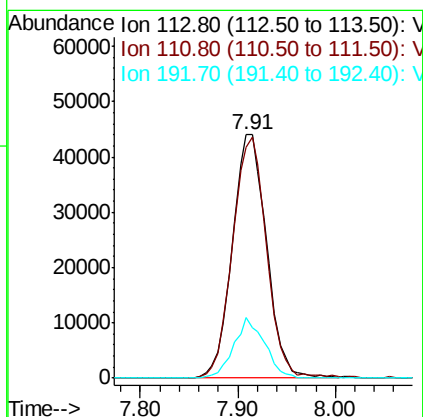
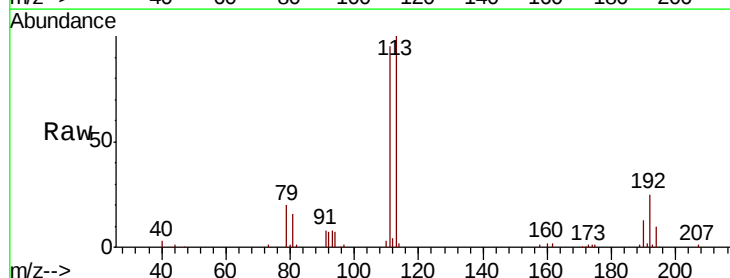
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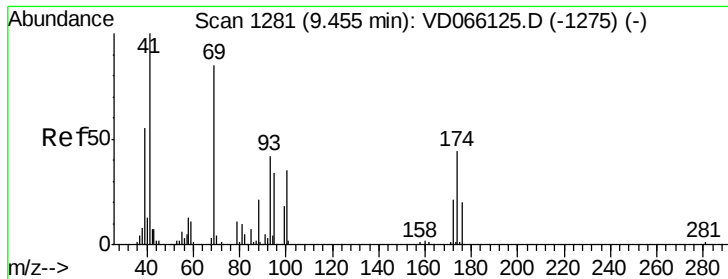
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.6
88	15.3	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 51.718 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066214.D
 Acq: 13 Aug 2020 17:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.1	80.7	121.1
192	22.4	18.4	27.6

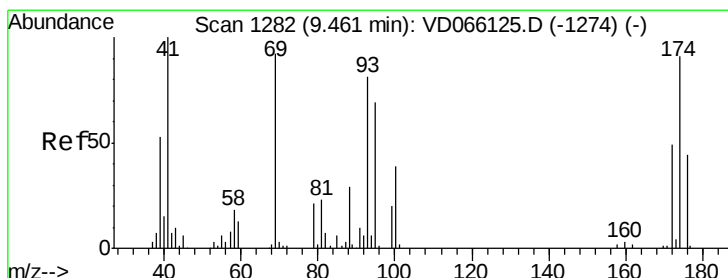
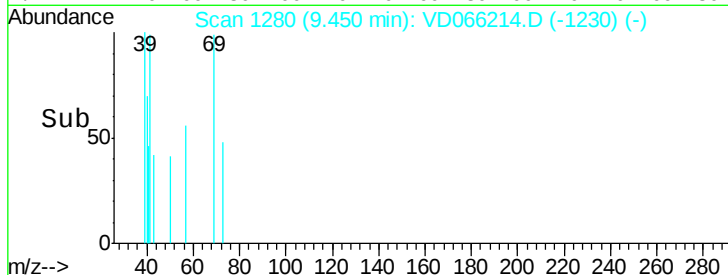
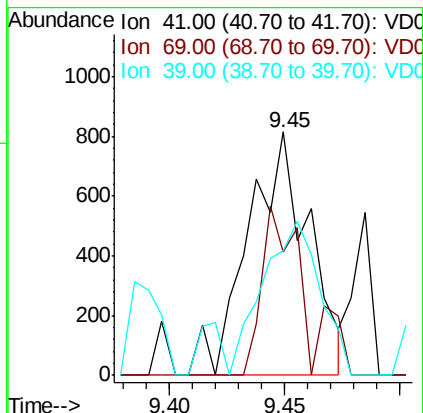
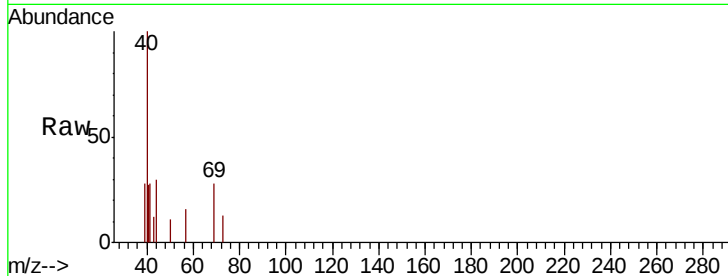




#48
Methyl methacrylate
Concen: 1.224 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

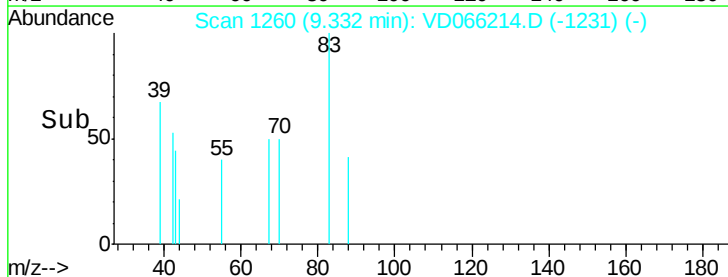
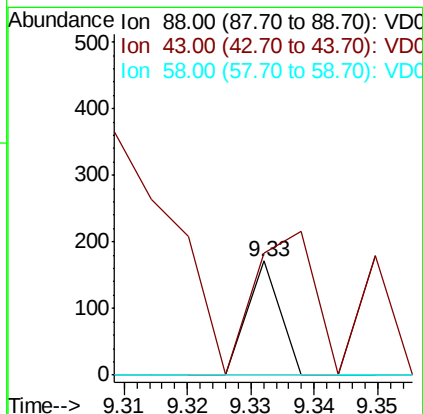
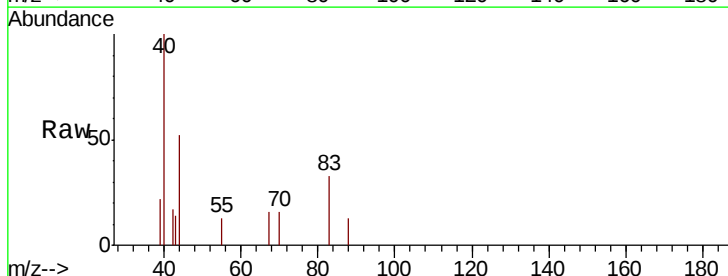
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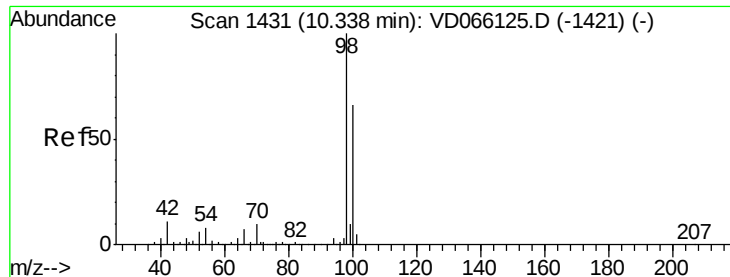
Tot Ion: 41 Resp: 1507
Ion Ratio Lower Upper
41 100
69 48.6 63.9 95.9#
39 59.5 42.6 64.0



#49
1,4-Dioxane
Concen: 4.048 ug/l
RT: 9.33 min Scan# 1260
Delta R.T. -0.13 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 341.7 27.5 41.3#
58 0.0 50.2 75.4#

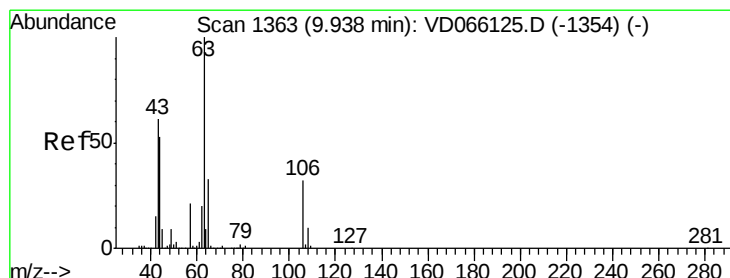
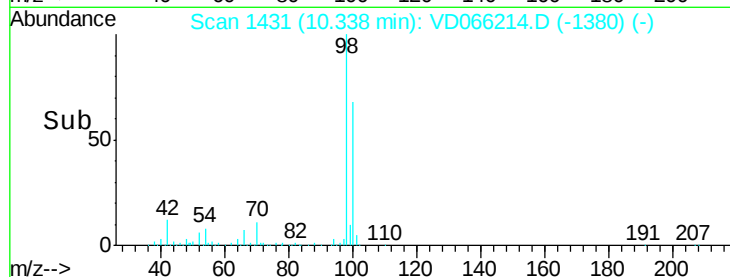
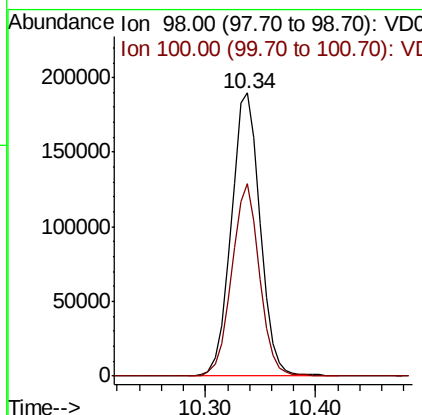
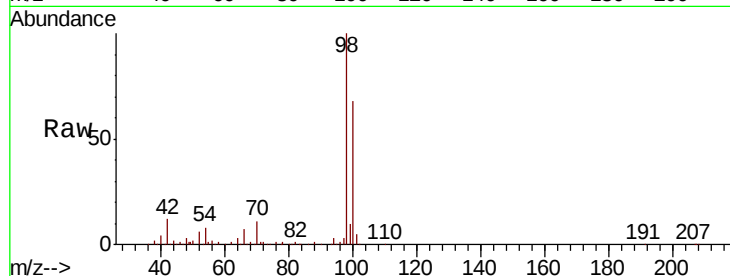




#50
Toluene-d8
Concen: 45.414 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

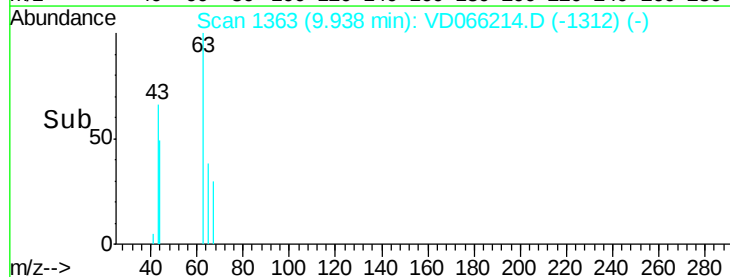
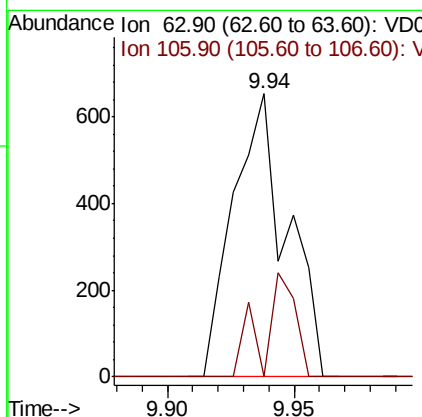
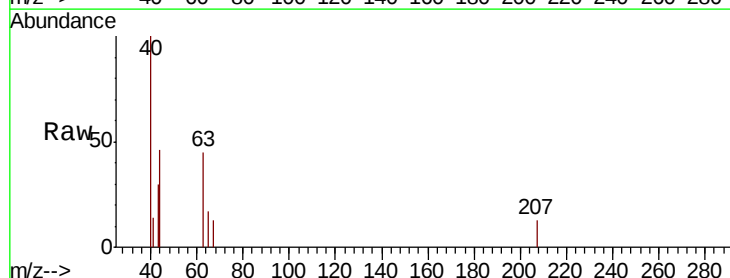
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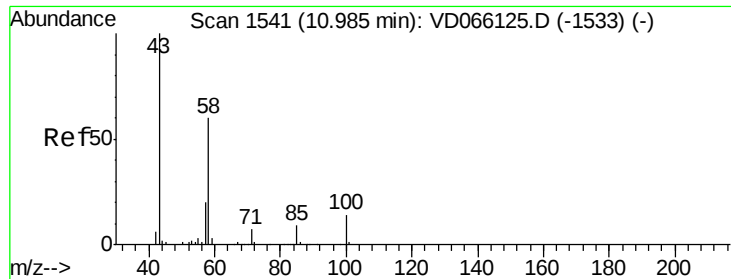
Tot Ion: 98 Resp: 348819
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.067 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion: 63 Resp: 958
Ion Ratio Lower Upper
63 100
106 21.8 25.3 37.9#

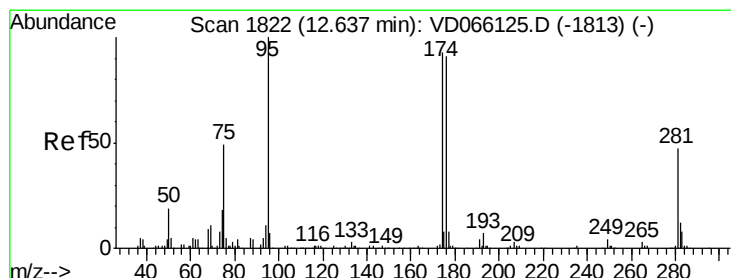
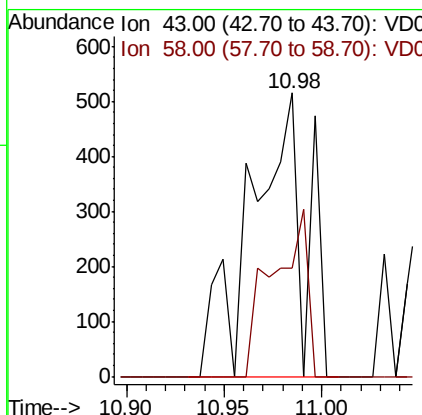
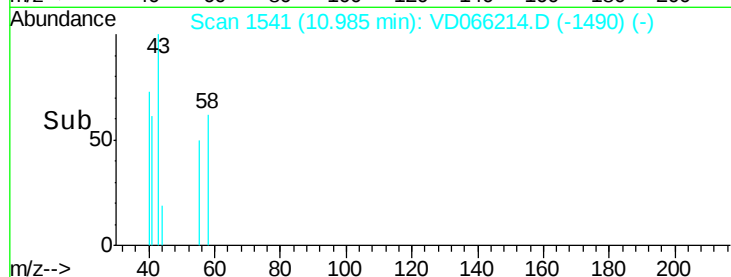
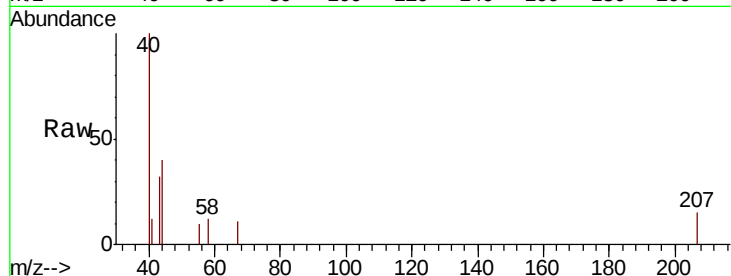




#59
2-Hexanone
Concen: 1.139 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

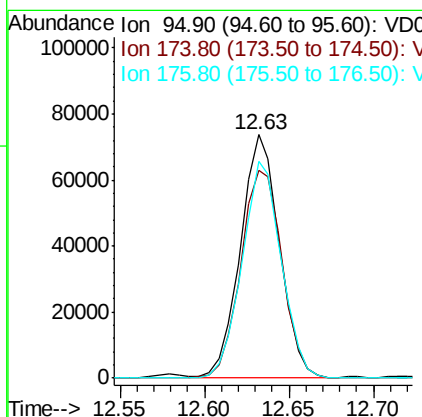
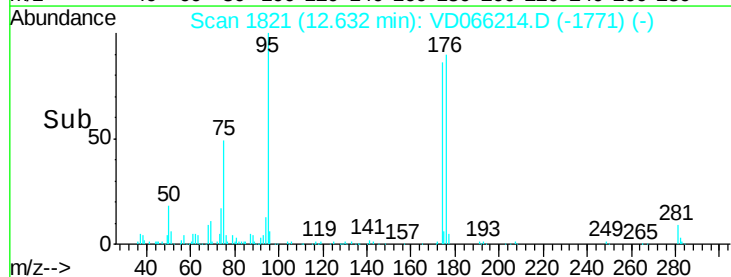
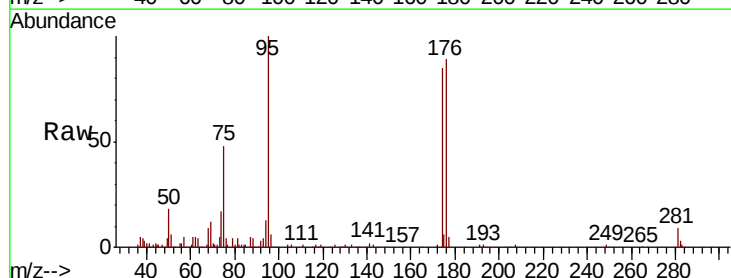
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB179-GW-643-645

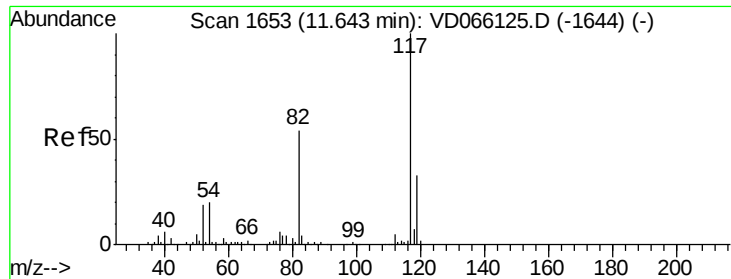
Tot Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 38.4 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 42.626 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion: 95 Resp: 118015
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.8
176 89.7 0.0 181.2

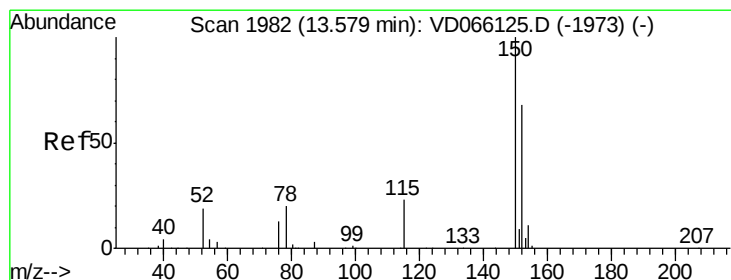
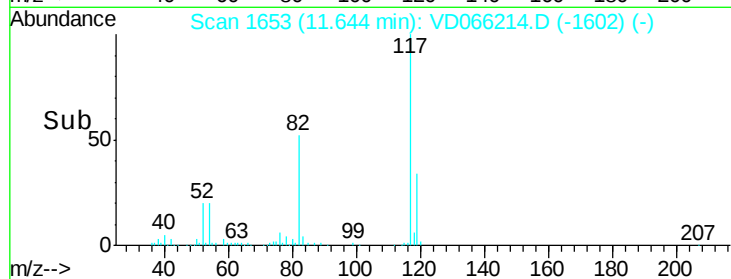
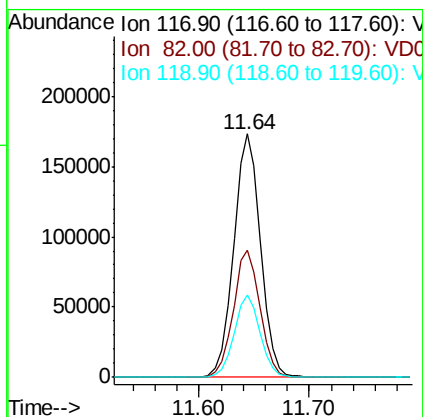
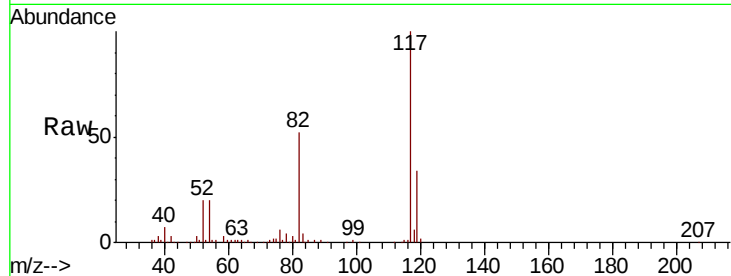




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

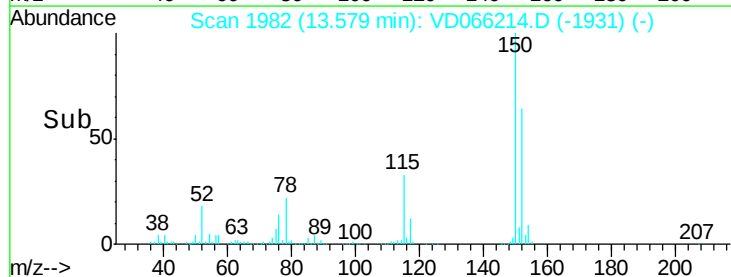
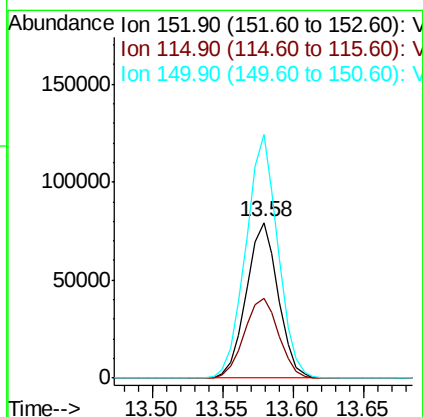
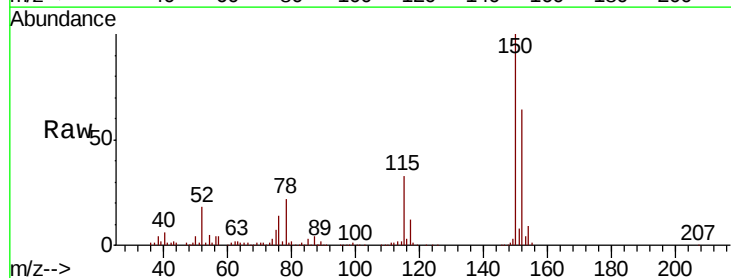
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB179-GW-643-645

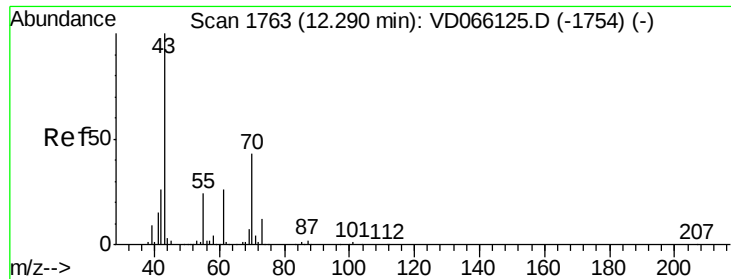
Tot Ion:117 Resp: 293784
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 33.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion:152 Resp: 125701
Ion Ratio Lower Upper
152 100
115 55.2 28.0 83.9
150 157.2 0.0 346.4

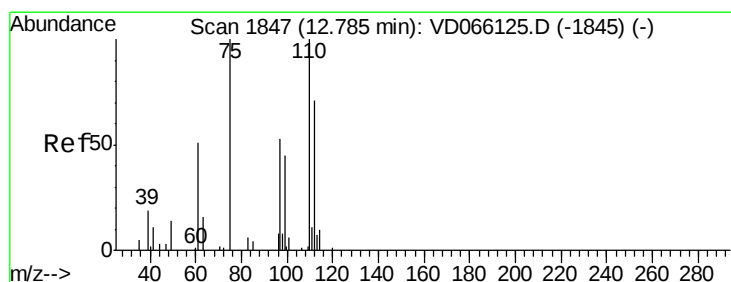
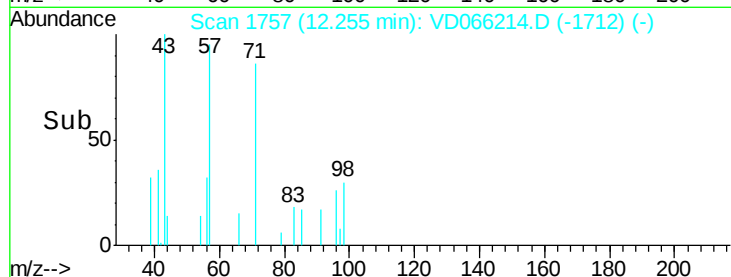
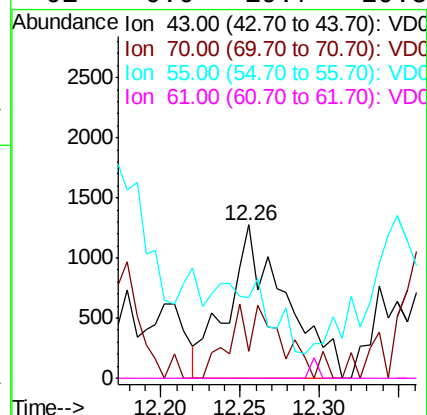
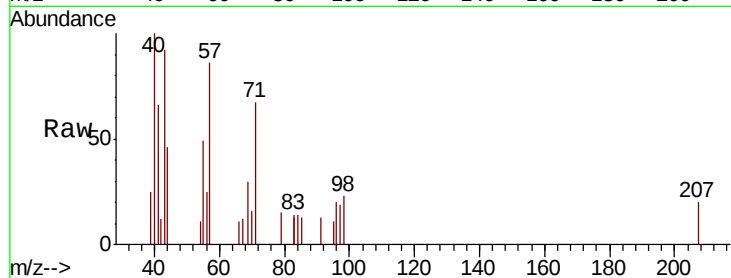




#74
N-amvl acetate
Concen: 1.745 ug/l
RT: 12.26 min Scan# 1757
Delta R.T. -0.04 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

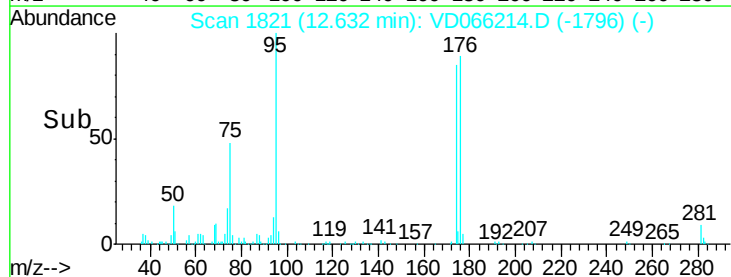
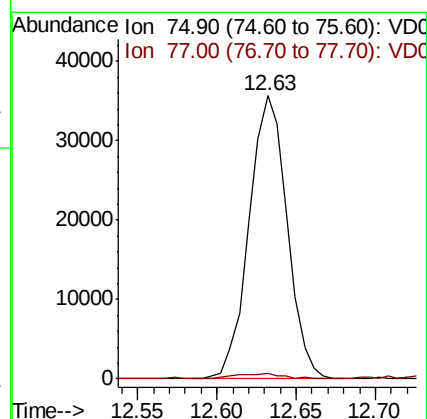
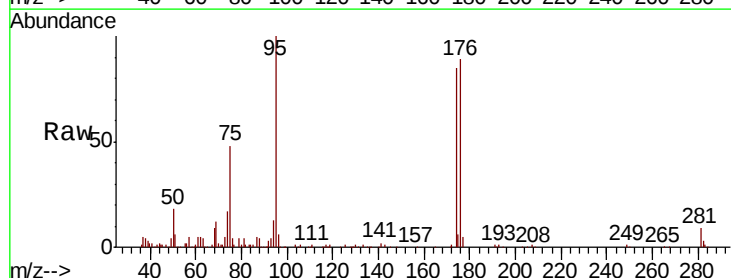
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB179-GW-643-645

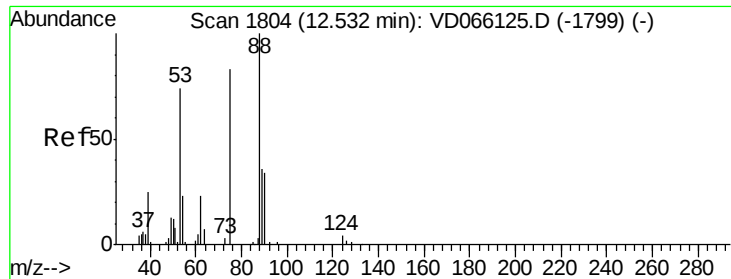
Tot Ion: 43 Resp: 3224
Ion Ratio Lower Upper
43 100
70 16.4 34.9 52.3#
55 0.0 19.2 28.8#
61 0.0 19.7 29.5#



#76
1,2,3-Trichloropropane
Concen: 56.781 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066214.D
Acq: 13 Aug 2020 17:01

Tgt Ion: 75 Resp: 59521
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 125.518 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066214.D

Acq: 13 Aug 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB179-GW-643-645

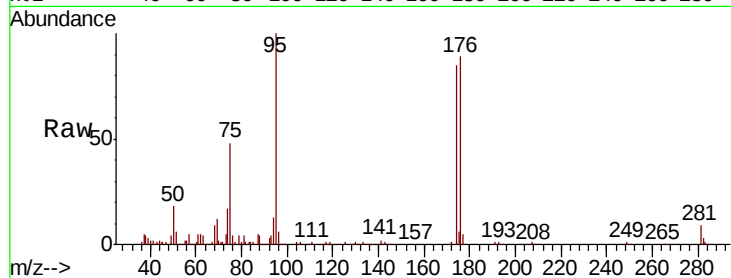
Tot Ion: 75 Resp: 59521

Ion Ratio Lower Upper

75 100

53 2.2 73.4 110.2#

89 0.3 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

