

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066345.D
 Acq On : 20 Aug 2020 05:27
 Operator : VA/SY
 Sample : L3678-02RE
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Quant Time: Aug 20 07:24:34 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	164110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	259986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	223295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	91109	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	87424	59.71	ug/l	0.00
Spiked Amount			Recovery	=	119.42%	
35) Dibromofluoromethane	7.91	113	85739	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.34	98	278389	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.63	95	82207	37.52	ug/l	0.00
Spiked Amount			Recovery	=	75.04%	

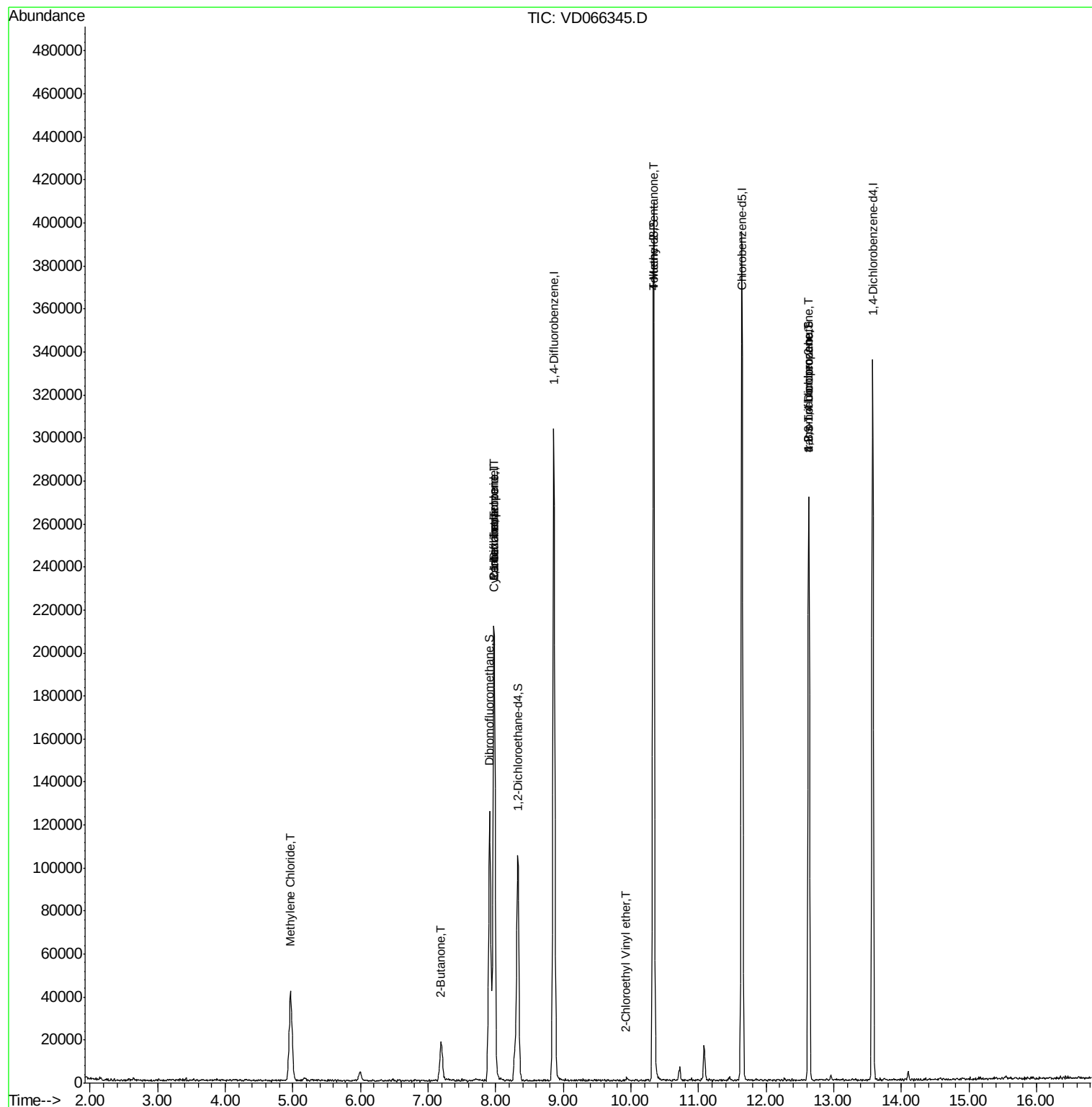
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	426	Below Cal	#	76
20) Methylene Chloride	4.97	84	31508	16.637	ug/l	93
25) 2-Butanone	7.20	43	595	1.456	ug/l #	47
31) Cyclohexane	7.98	56	3307	1.289	ug/l #	38
36) 1,1-Dichloropropene	7.97	75	11160	4.568	ug/l #	46
38) Carbon Tetrachloride	7.98	117	17681	6.490	ug/l #	12
51) 4-Methyl-2-Pentanone	10.34	43	1393	1.422	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	792	1.115	ug/l #	61
76) 1,2,3-Trichloropropane	12.64	75	44022	57.940	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	44022	128.080	ug/l #	13

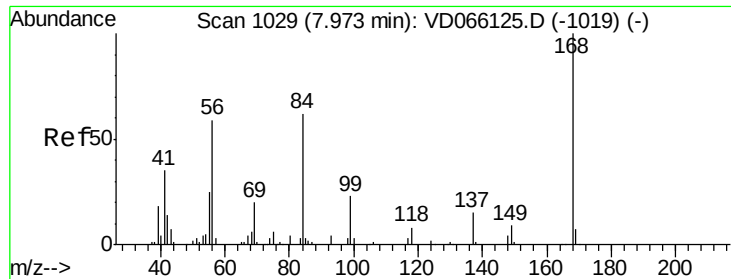
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

Instrument :

MSVOA_D

ClientSampleId :

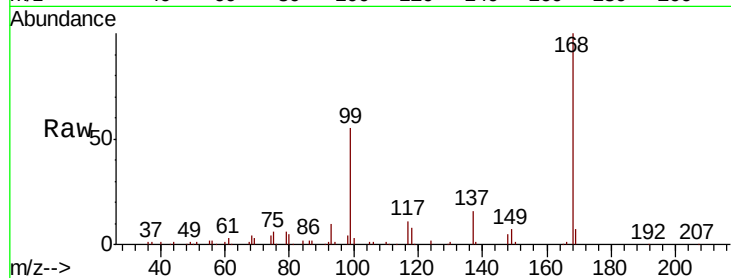
BR-1

Tot Ion:168 Resp: 164110

Ion Ratio Lower Upper

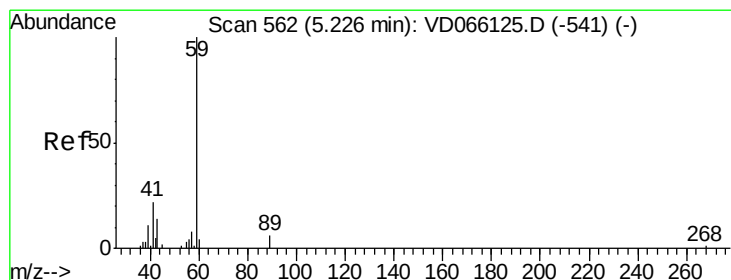
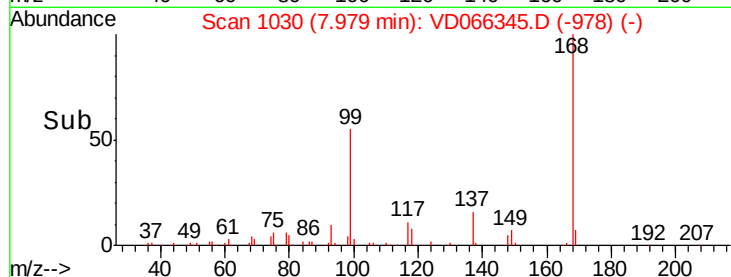
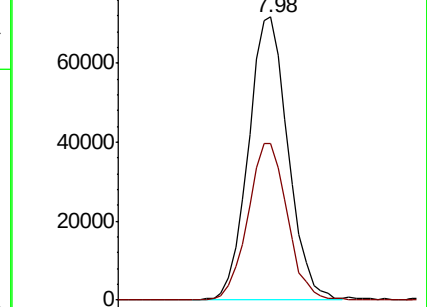
168 100

99 55.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD066345.D

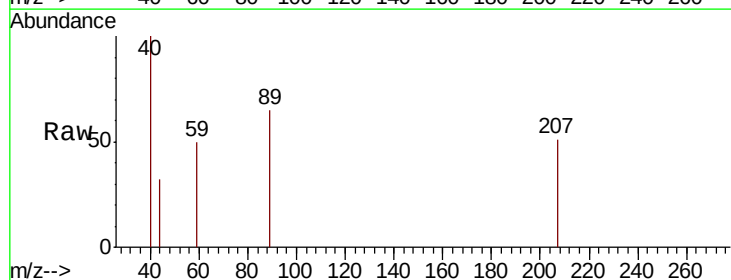
Acq: 20 Aug 2020 05:27

Tgt Ion: 59 Resp: 426

Ion Ratio Lower Upper

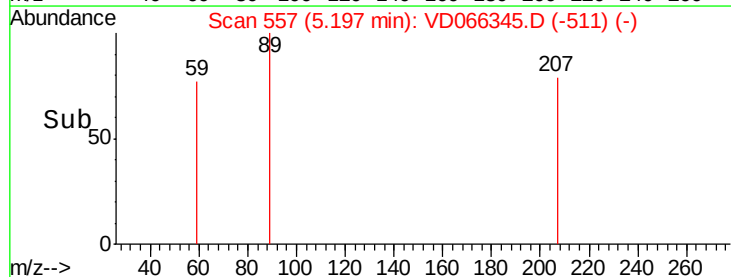
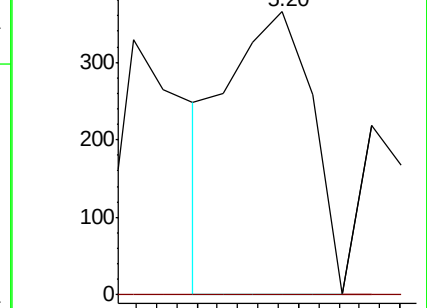
59 100

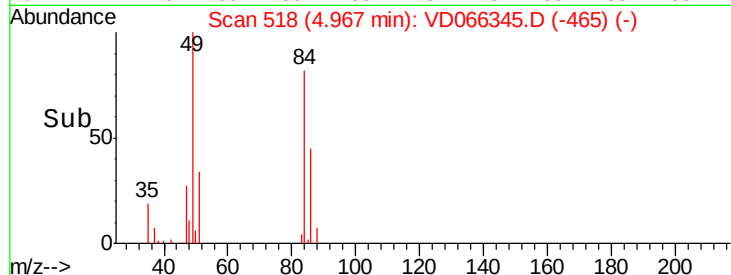
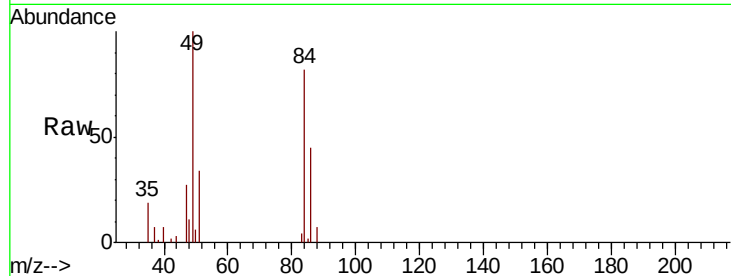
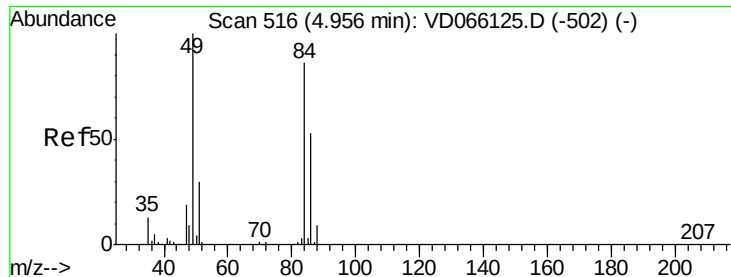
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

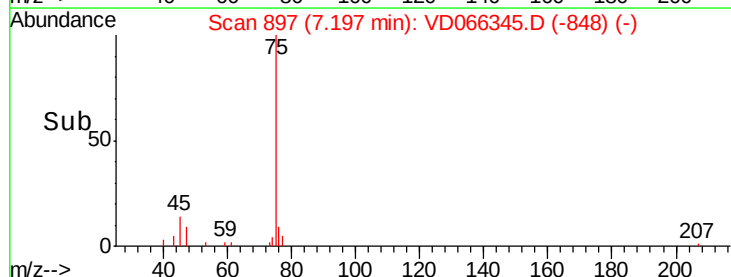
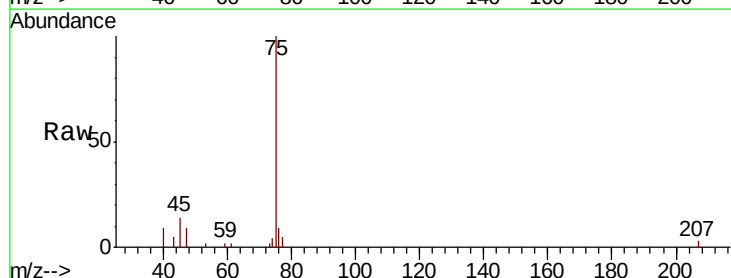
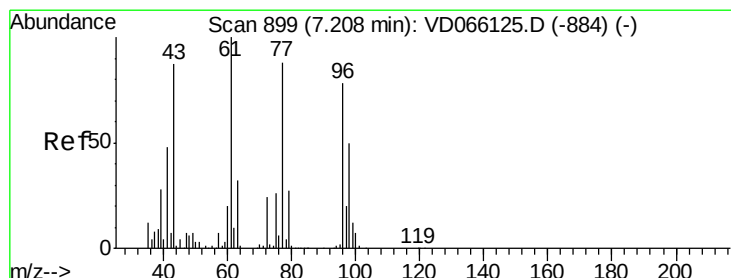
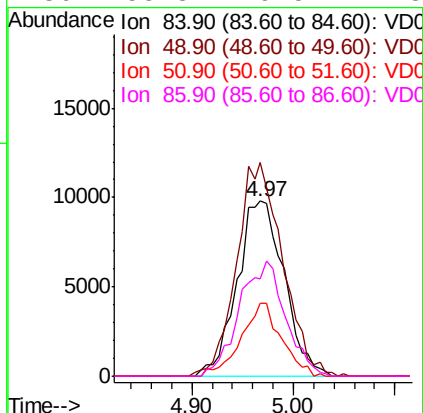




#20
Methylene Chloride
Concen: 16.637 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

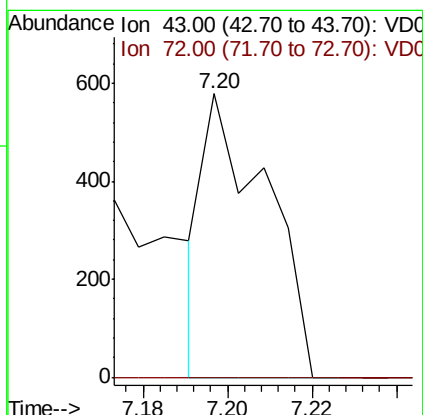
Instrument :
MSVOA_D
ClientSampled :
BR-1

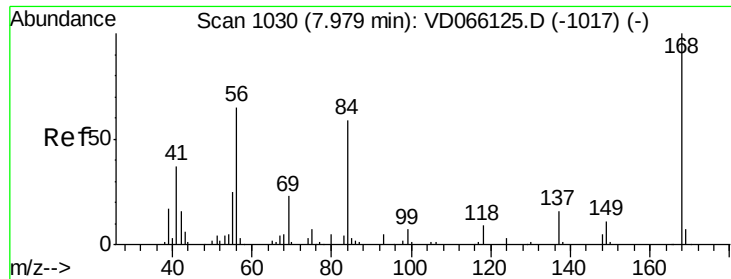
Tot Ion: 84 Resp: 31508
Ion Ratio Lower Upper
84 100
49 121.8 93.5 140.3
51 41.8 28.2 42.4
86 55.3 49.5 74.3



#25
2-Butanone
Concen: 1.456 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#

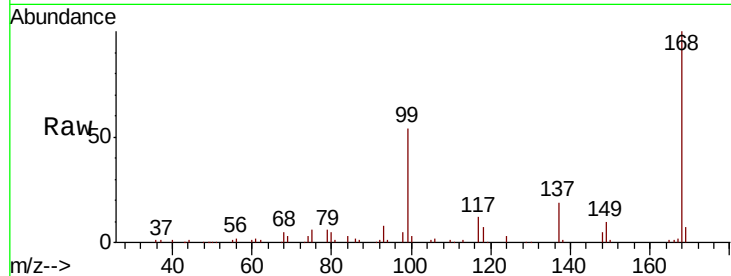




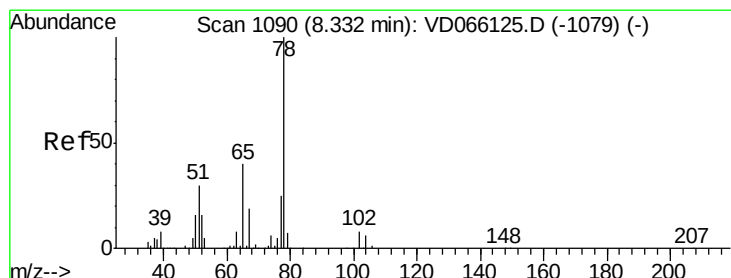
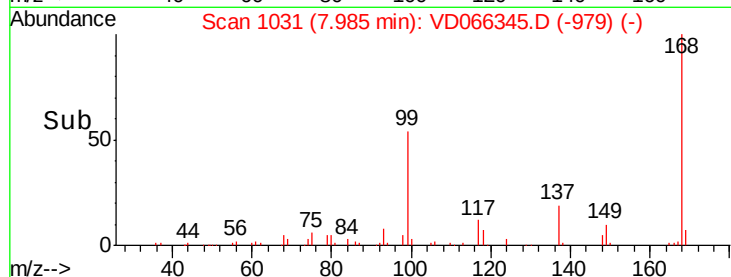
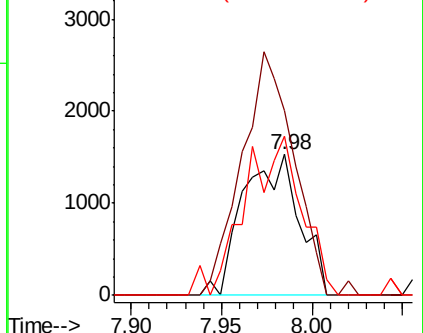
#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

Instrument :
MSVOA_D
ClientSampleId :
BR-1

Tot Ion: 56 Resp: 3307
Ion Ratio Lower Upper
56 100
69 131.0 28.8 43.2#
84 113.4 73.0 109.6#

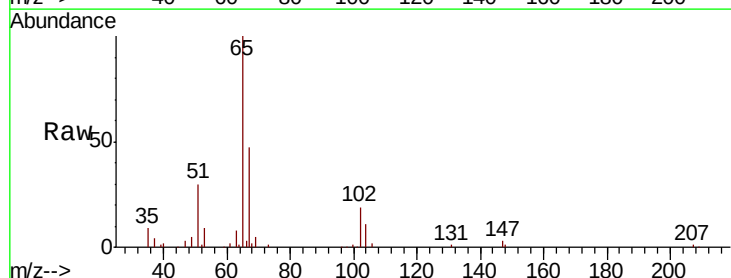


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

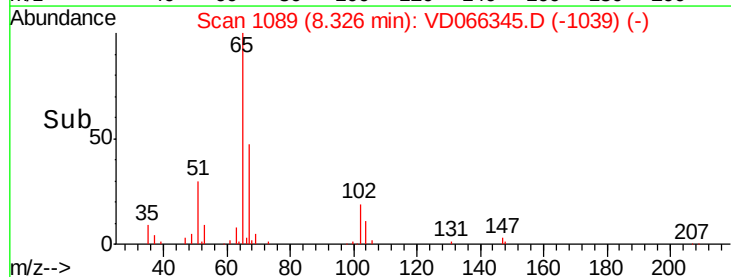
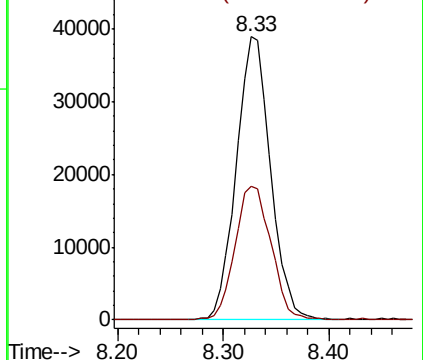


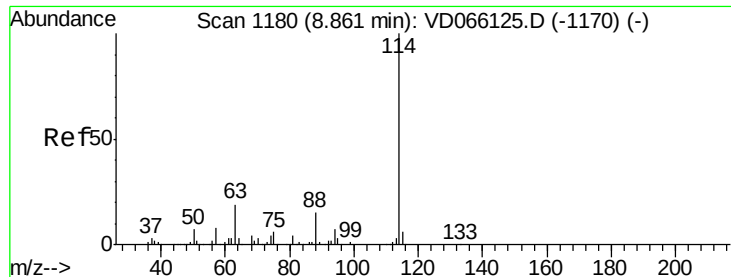
#33
1,2-Dichloroethane-d4
Concen: 59.711 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

Tgt Ion: 65 Resp: 87424
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.6



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

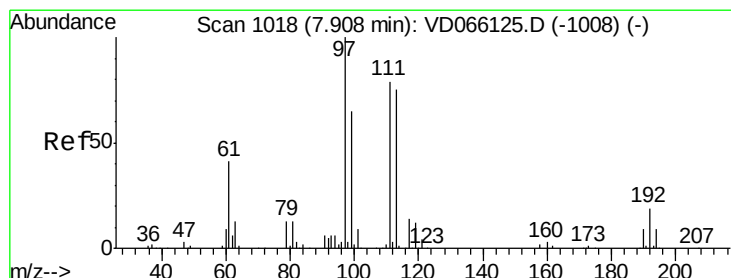
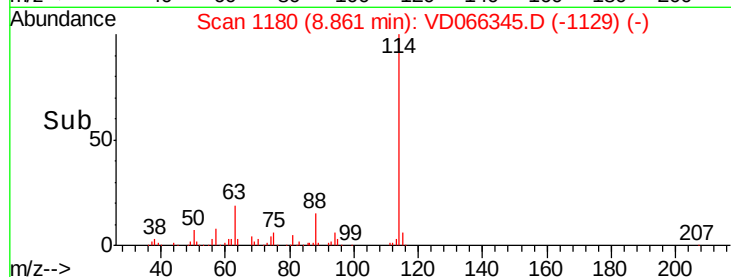
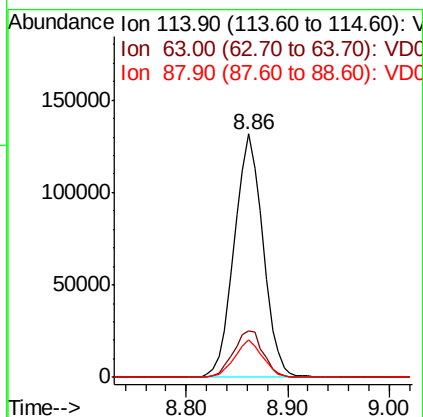
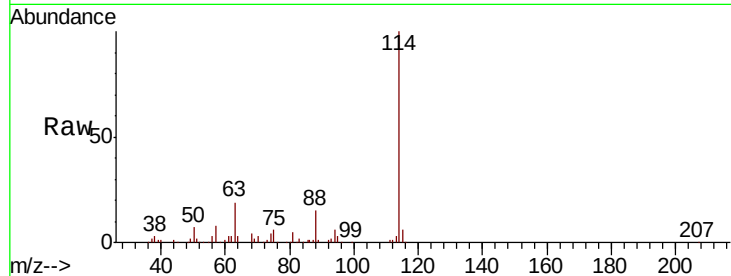




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

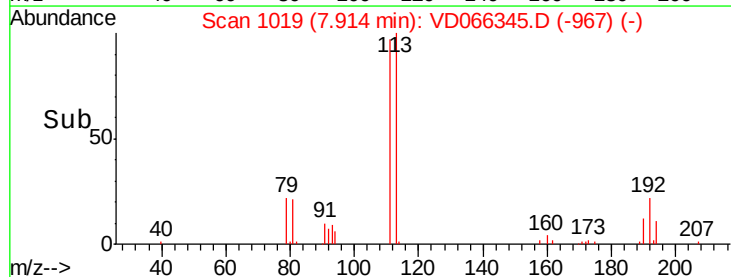
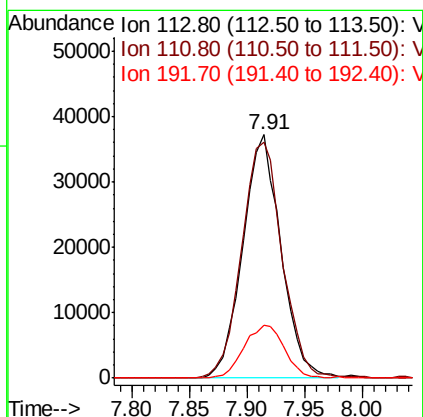
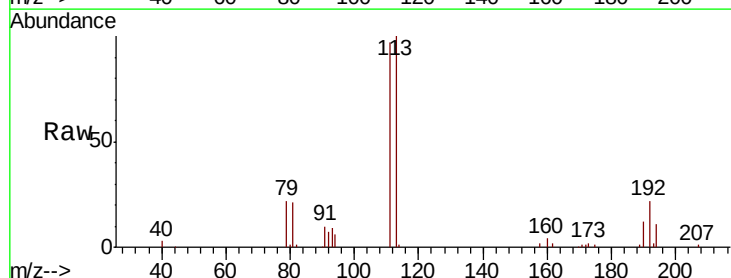
Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

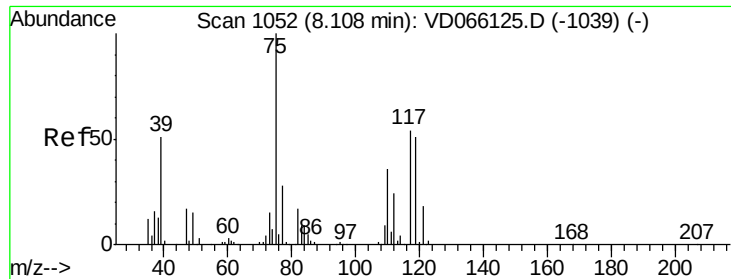
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.6
88	15.4	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 52.058 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	22.9	18.4	27.6

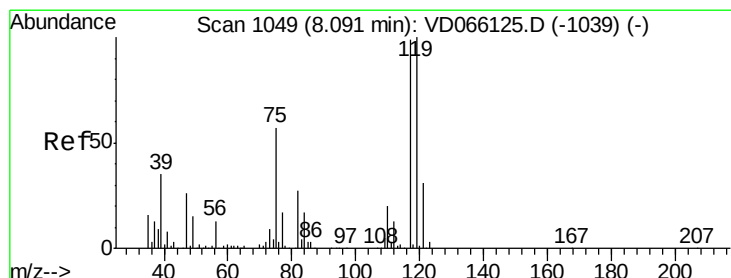
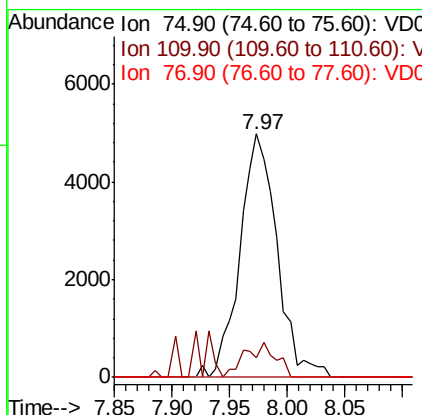
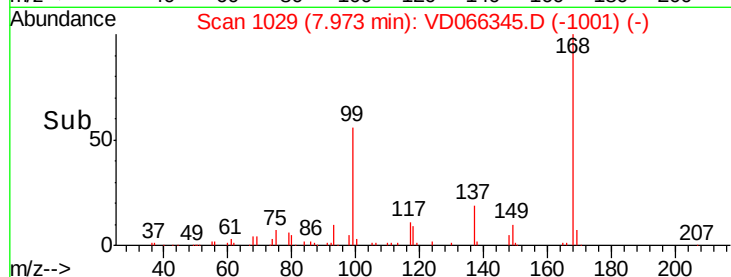
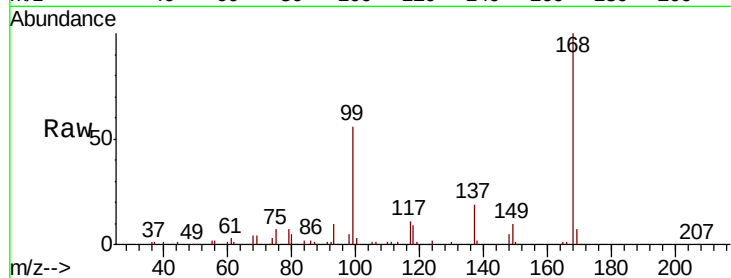




#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

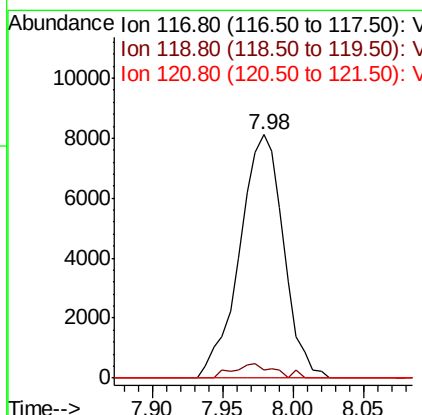
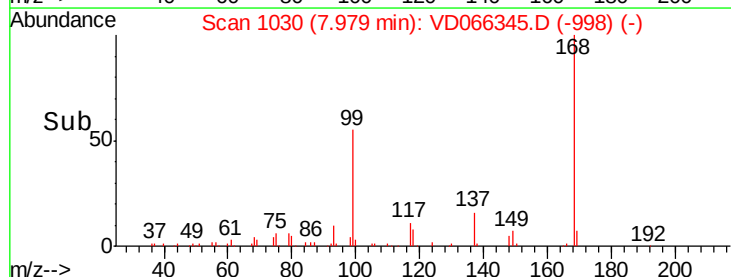
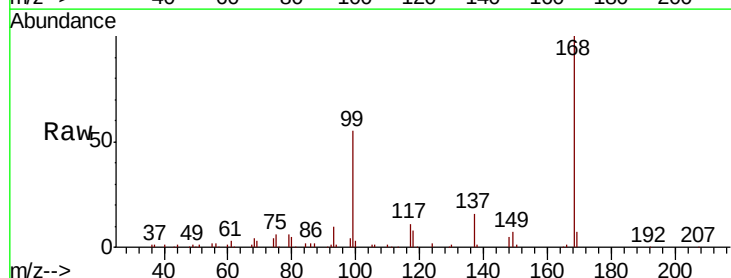
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 ClientSampleId :
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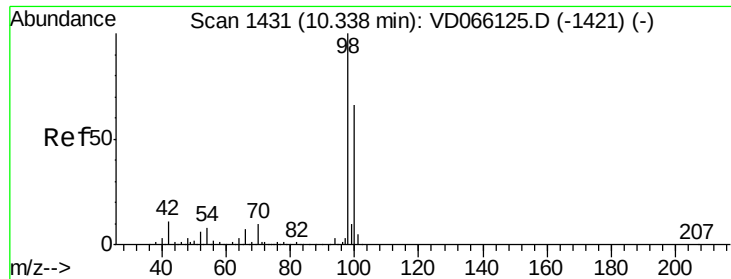
Tot Ion: 75 Resp: 11160
 Ion Ratio Lower Upper
 75 100
 110 5.8 18.8 56.3#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.490 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

Tgt Ion: 117 Resp: 17681
 Ion Ratio Lower Upper
 117 100
 119 3.2 81.0 121.4#
 121 0.0 24.8 37.2#

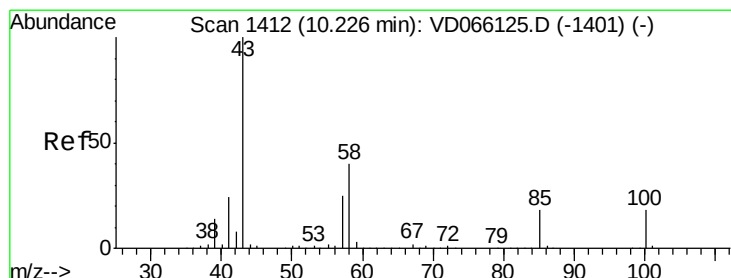
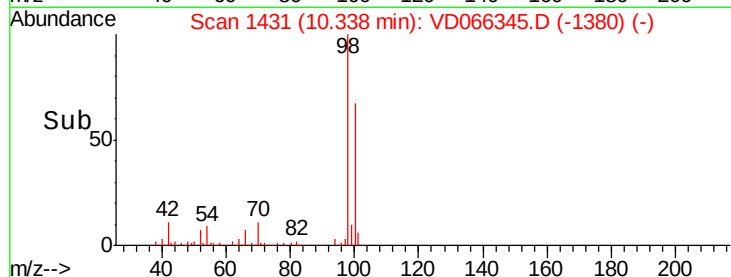
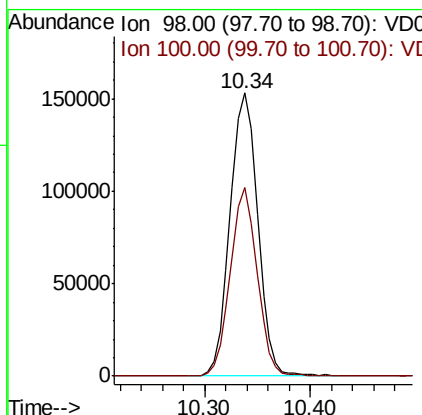
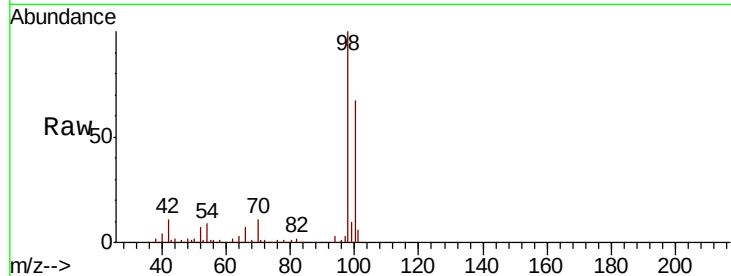




#50
Toluene-d8
Concen: 45.804 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

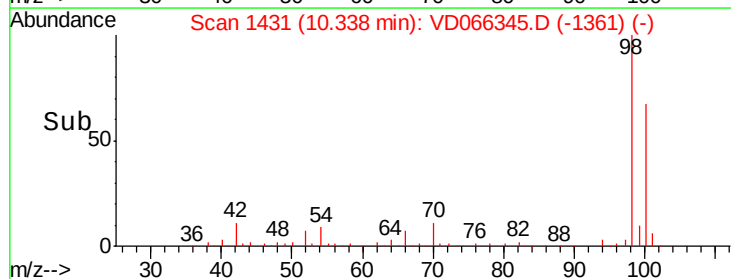
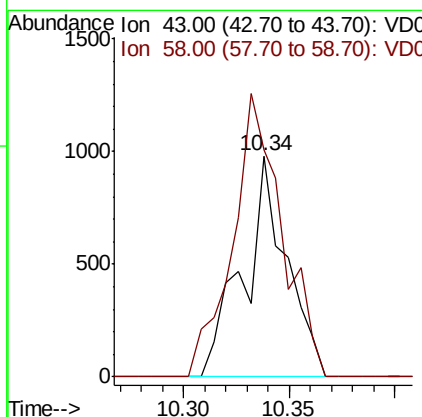
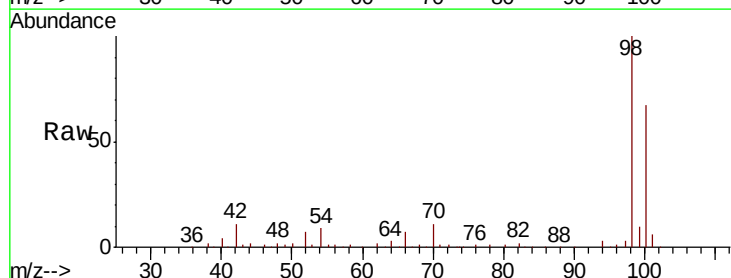
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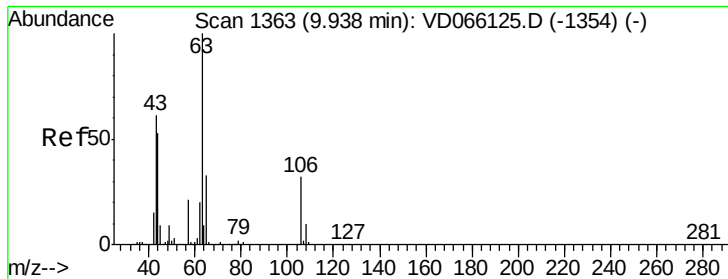
Tot Ion: 98 Resp: 278389
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.422 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
58 146.8 31.1 46.7#

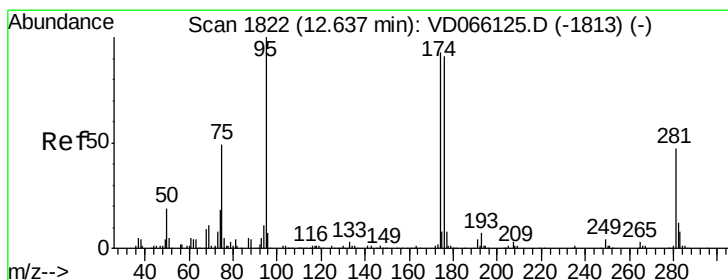
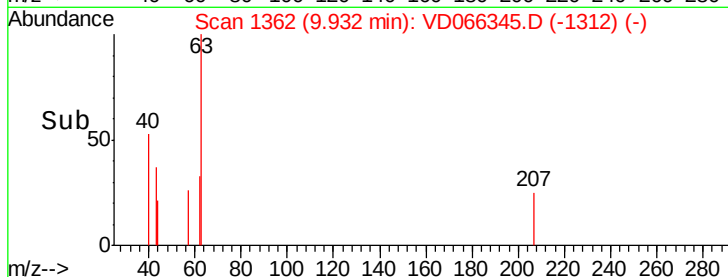
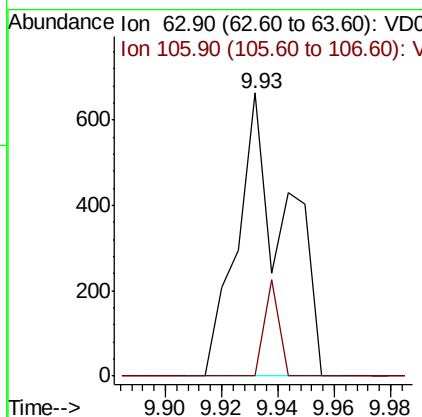
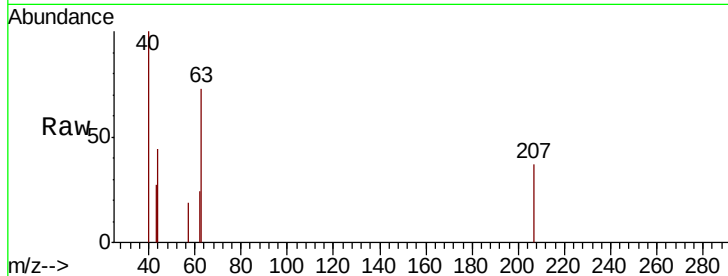




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.115 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

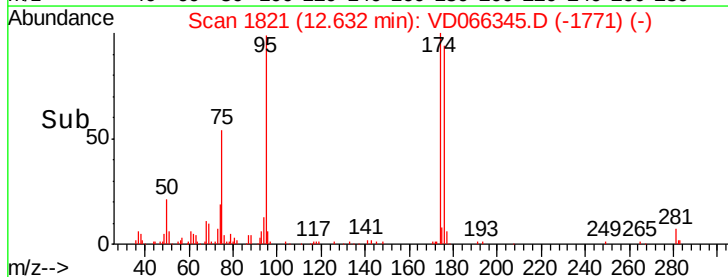
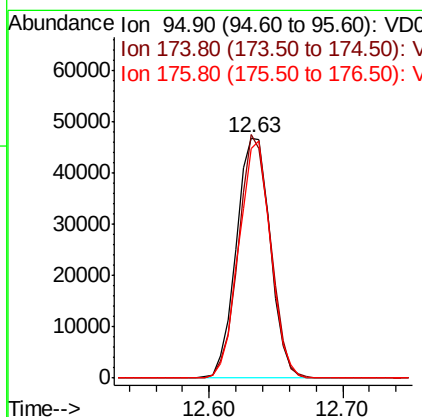
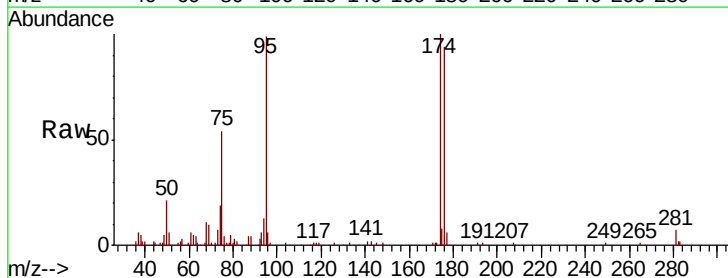
Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

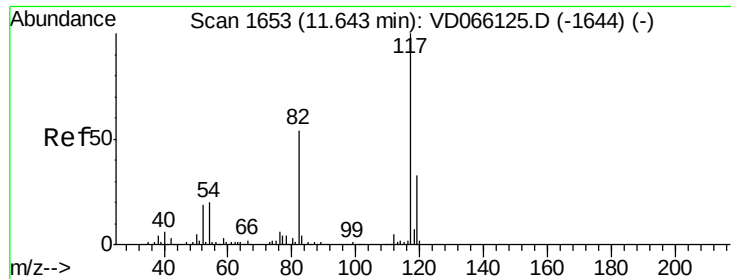
Tot Ion: 63 Resp: 792
 Ion Ratio Lower Upper
 63 100
 106 10.1 25.3 37.9#



#62
 4-Bromofluorobenzene
 Concen: 37.524 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

Tgt Ion: 95 Resp: 82207
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 180.8
 176 92.6 0.0 181.2

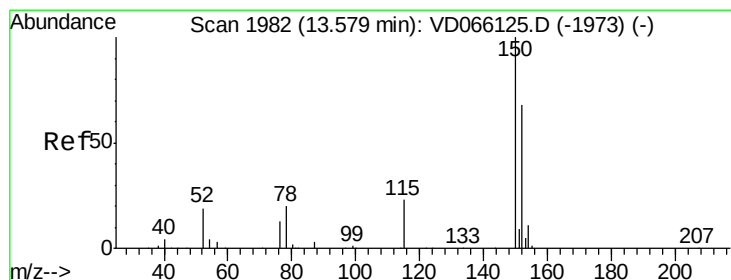
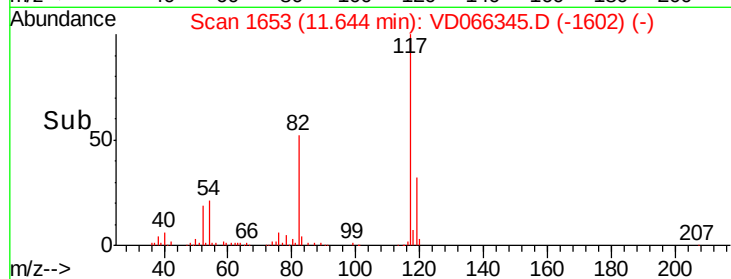
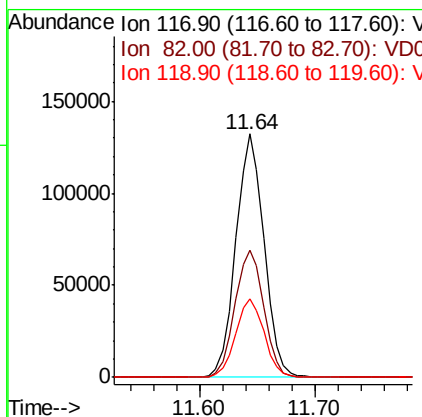
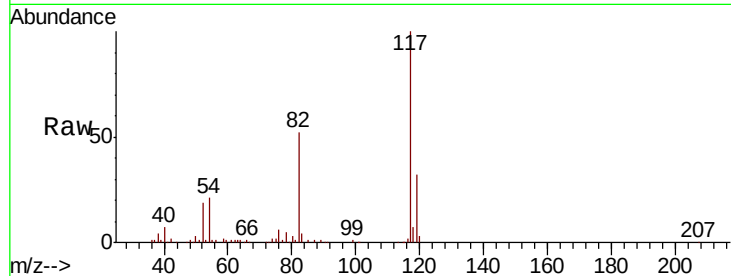




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

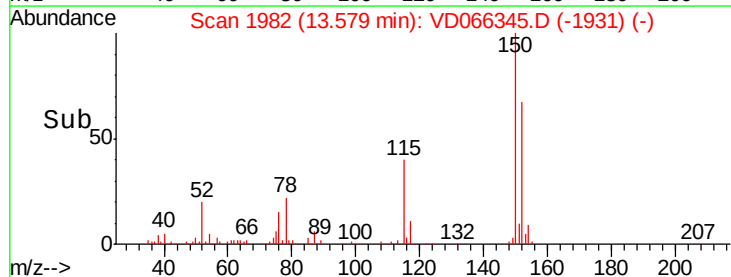
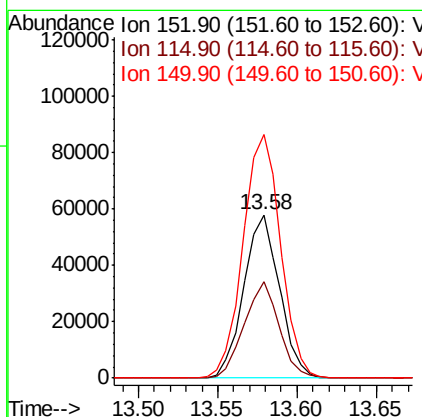
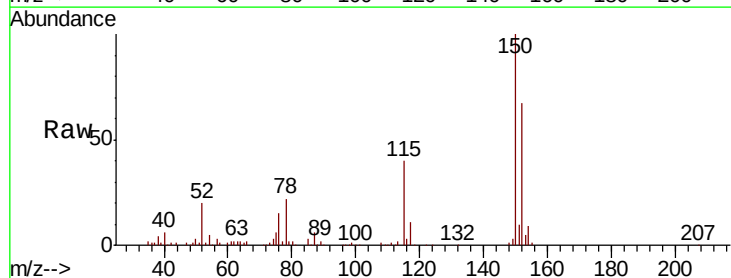
Instrument :
MSVOA_D
ClientSampleId :
BR-1

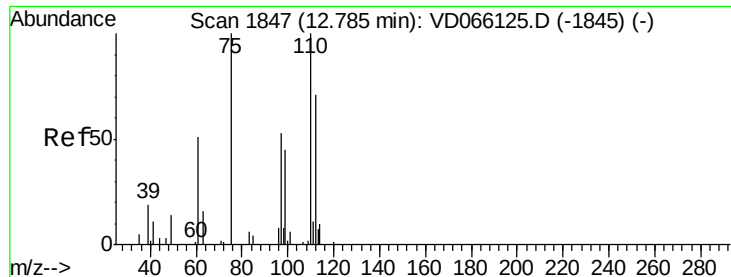
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.0	64.4
119	32.1	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066345.D
Acq: 20 Aug 2020 05:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.0	83.9
150	156.4	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 57.940 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

Instrument :

MSVOA_D

ClientSampleId :

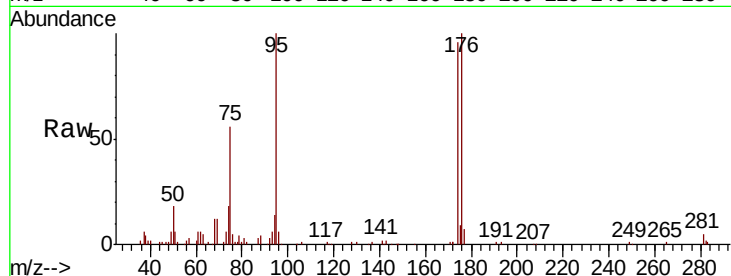
BR-1

Tot Ion: 75 Resp: 44022

Ion Ratio Lower Upper

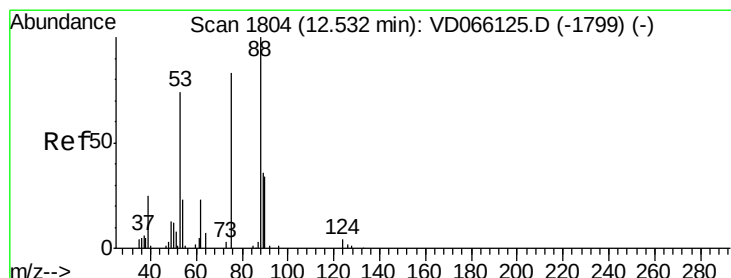
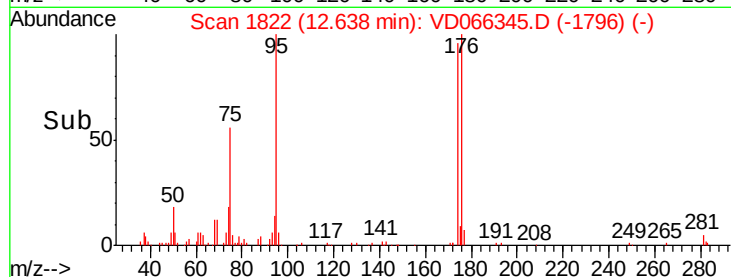
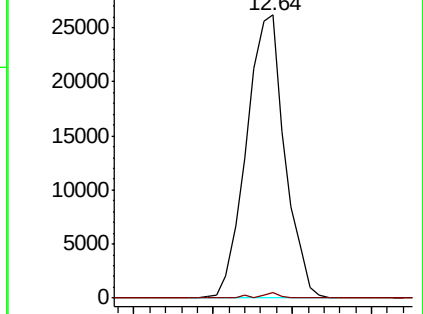
75 100

77 1.1 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: 128.080 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

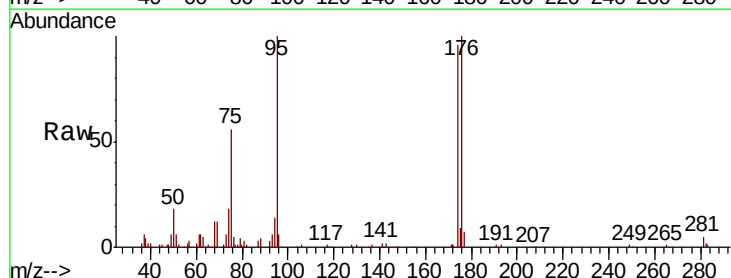
Tgt Ion: 75 Resp: 44022

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 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

