

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066661.D
 Acq On : 11 Sep 2020 21:04
 Operator : VA/SY
 Sample : L3981-12
 Misc : 12.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:42:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	360417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	663285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	623023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265341	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	237900	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	7.91	113	228440	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	10.34	98	826414	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.63	95	272065	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	

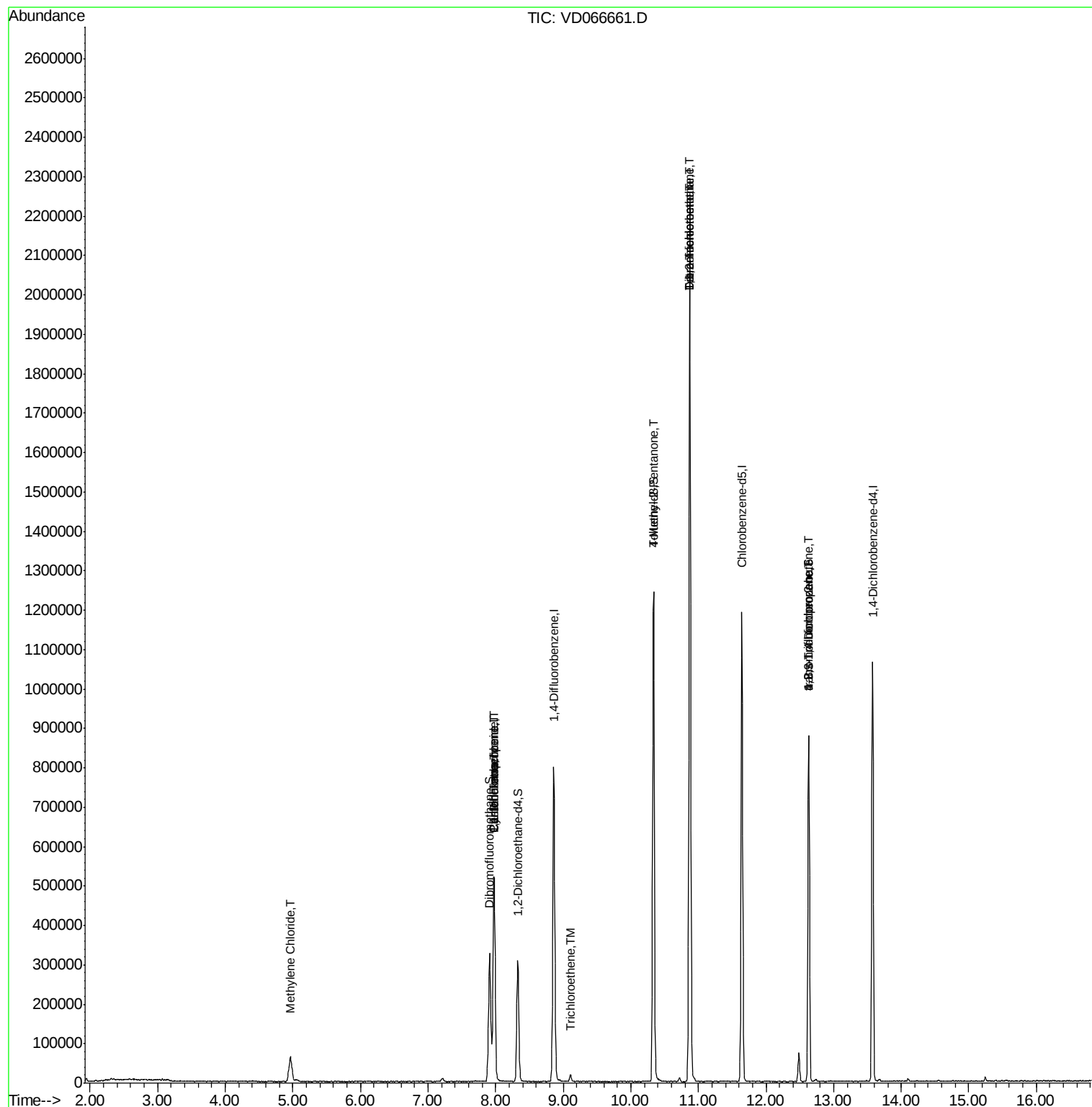
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	433	Below Cal	#	1
20) Methylene Chloride	4.96	84	45884	4.466	ug/l	89
31) Cyclohexane	7.98	56	10624	1.493	ug/l #	34
36) 1,1-Dichloropropene	7.97	75	34472	4.994	ug/l #	51
38) Carbon Tetrachloride	7.98	117	41106	5.634	ug/l #	17
44) Trichloroethene	9.11	130	5304	1.070	ug/l	100
51) 4-Methyl-2-Pentanone	10.34	43	4135	1.557	ug/l #	1
55) 1,1,2-Trichloroethane	10.87	97	4627	1.372	ug/l #	10
60) Dibromochloromethane	10.87	129	445256	99.840	ug/l #	10
64) Tetrachloroethene	10.87	164	476499	113.592	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	149669	58.651	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	149669	136.929	ug/l #	6

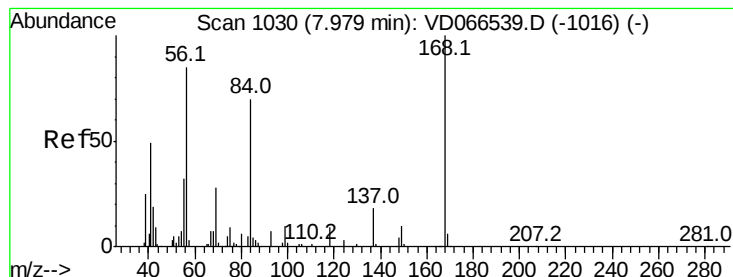
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\
Data File : VD066661.D
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ClientSampleId :

Quant Time: Sep 12 00:42:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

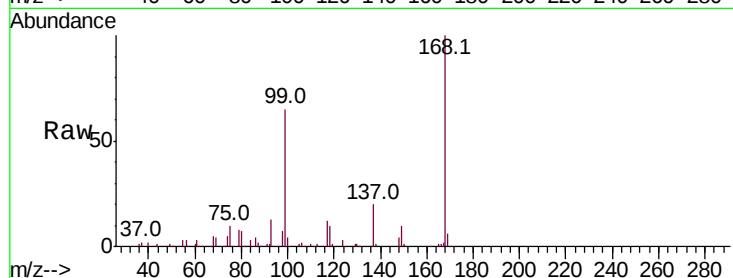
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 360417

Ion Ratio Lower Upper

168 100

99 65.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

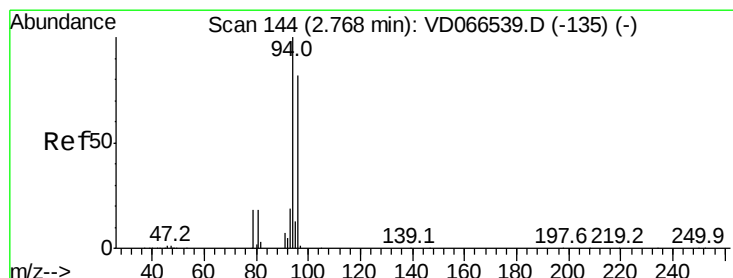
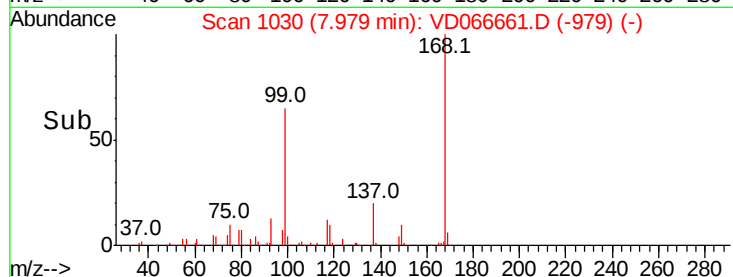
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066661.D

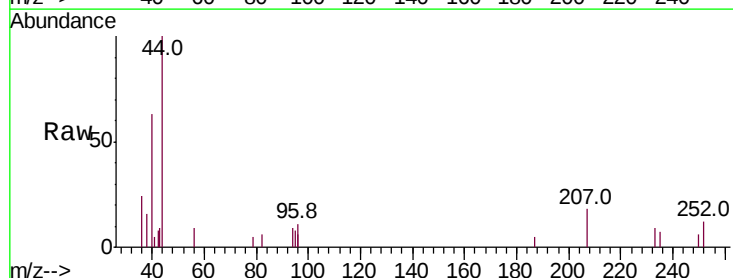
Acq: 11 Sep 2020 21:04

Tgt Ion: 94 Resp: 433

Ion Ratio Lower Upper

94 100

96 192.6 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

500

400

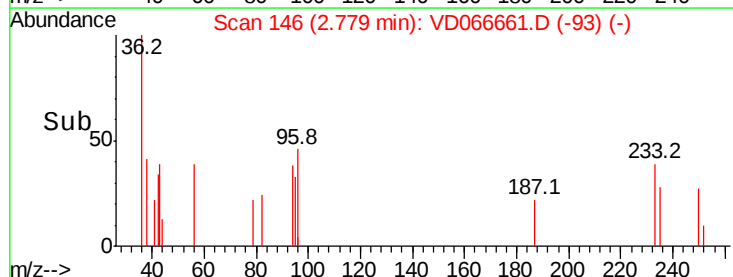
300

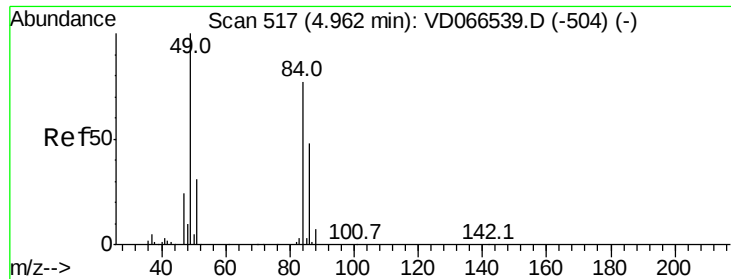
200

100

0

Time-->

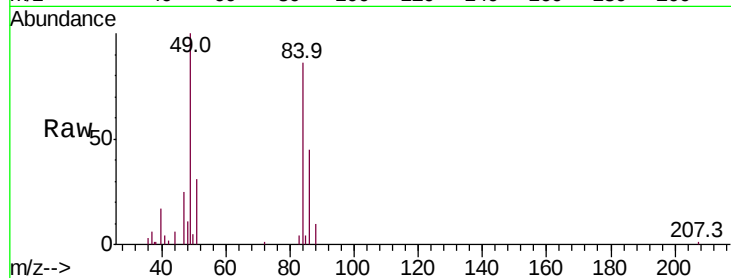




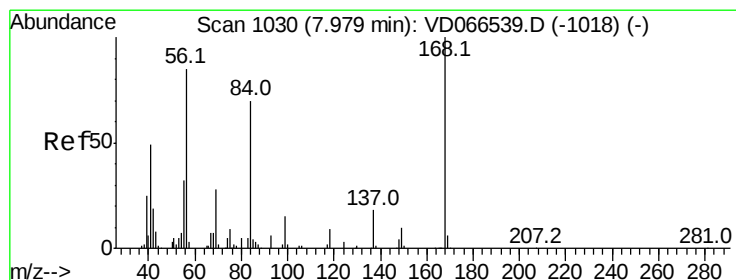
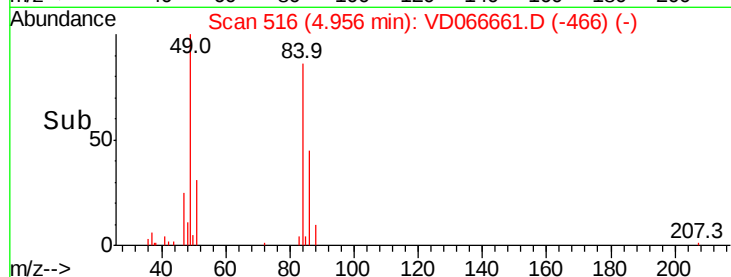
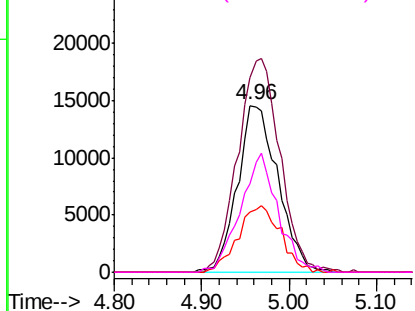
#20
Methvlene Chloride
Concen: 4.466 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066661.D
Acq: 11 Sep 2020 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 45884
Ion Ratio Lower Upper
84 100
49 116.6 104.3 156.5
51 36.4 32.2 48.4
86 52.7 50.0 75.0

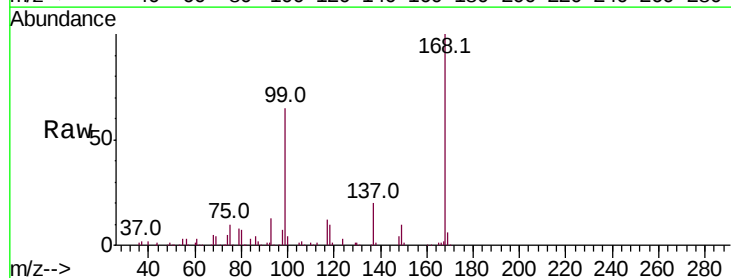


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

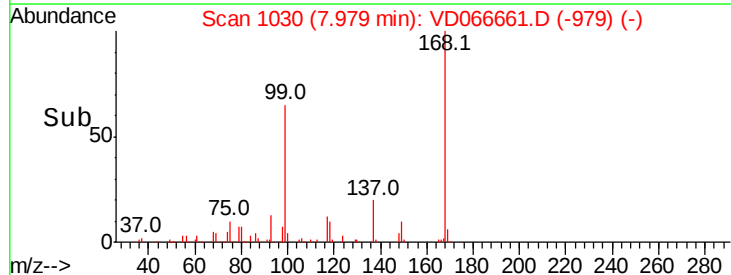
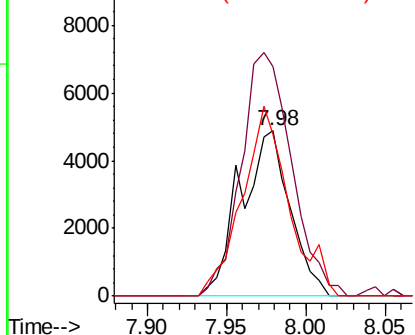


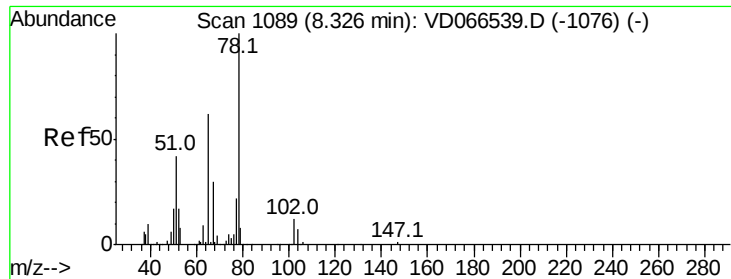
#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066661.D
Acq: 11 Sep 2020 21:04

Tgt Ion: 56 Resp: 10624
Ion Ratio Lower Upper
56 100
69 139.2 26.3 39.5#
84 97.7 66.1 99.1



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: 54.555 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

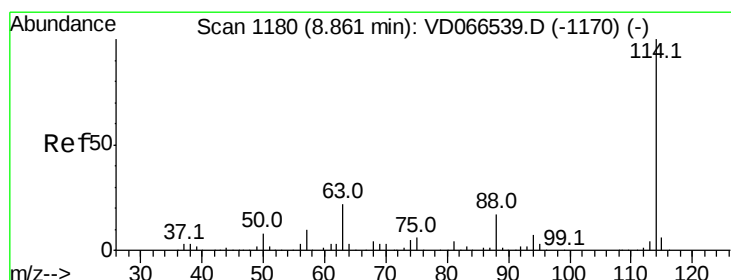
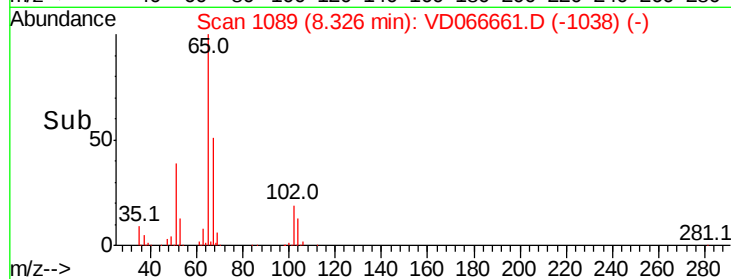
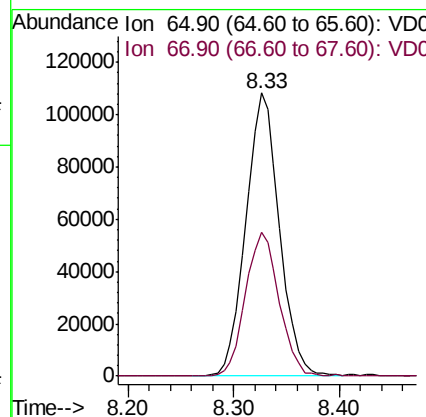
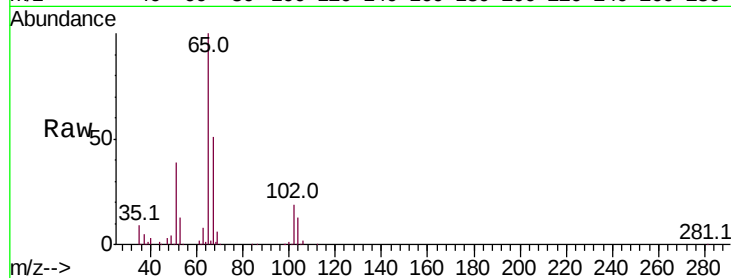
Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 237900

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

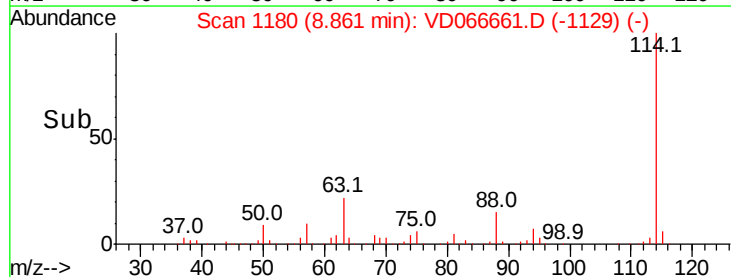
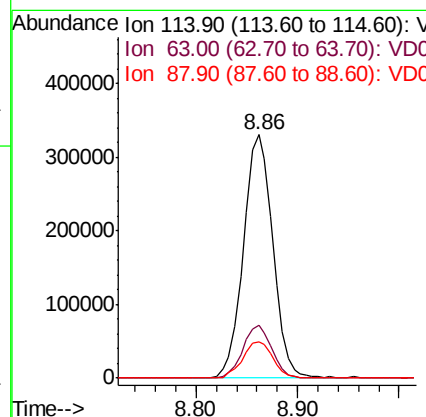
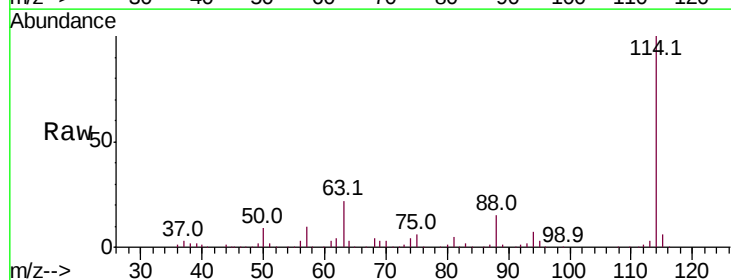
Delta R.T. 0.00 min

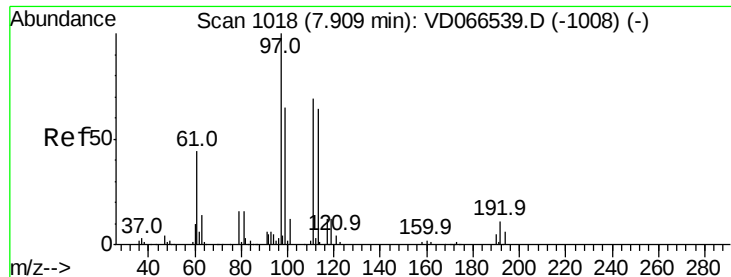
Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Tgt Ion: 114 Resp: 663285

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	15.0	0.0	33.2

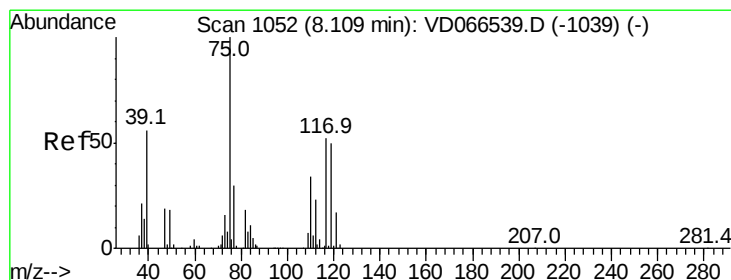
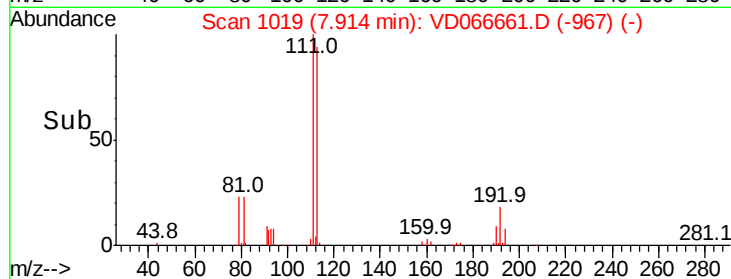
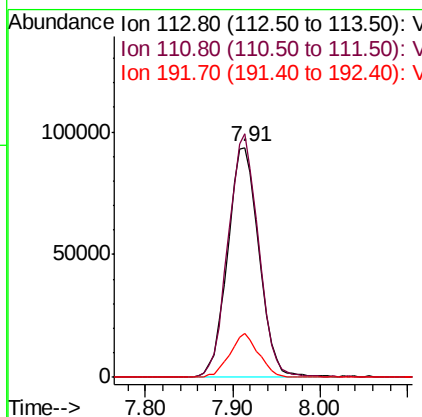
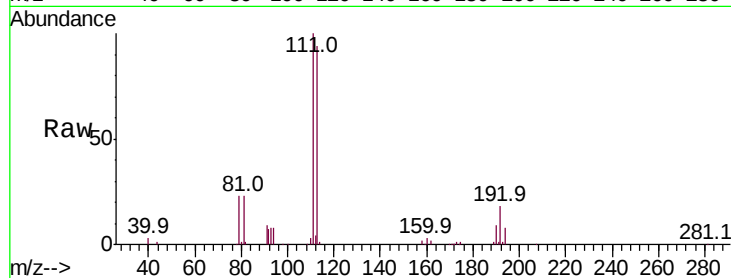




#35
 Dibromofluoromethane
 Concen: 51.053 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066661.D
 Acq: 11 Sep 2020 21:04

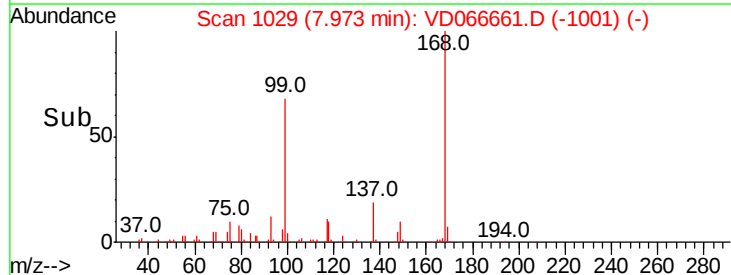
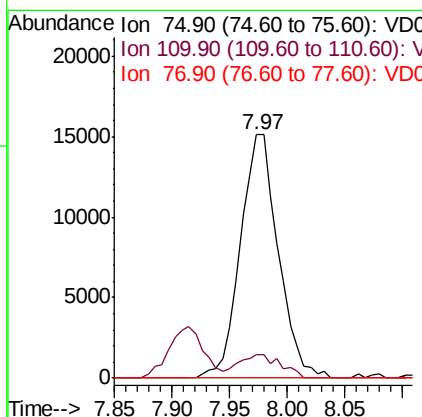
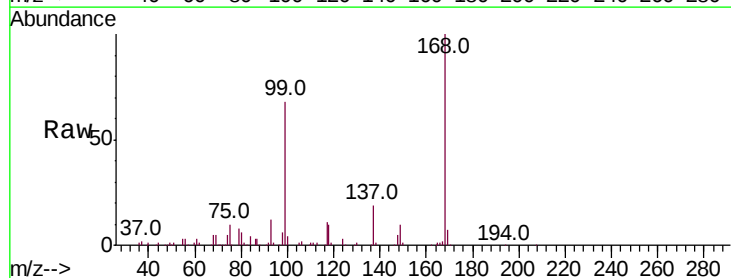
Instrument :
 MSVOA_D
 ClientSampled :

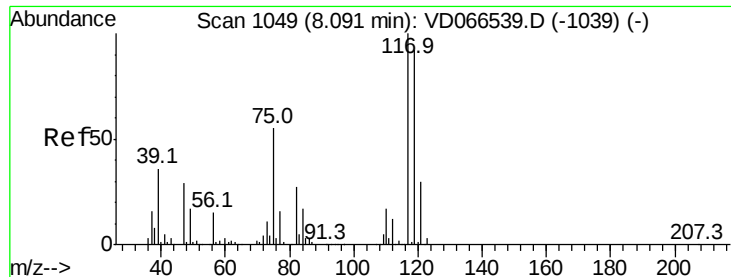
Tot Ion:113 Resp: 228440
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.2 124.8
 192 17.5 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066661.D
 Acq: 11 Sep 2020 21:04

Tgt Ion: 75 Resp: 34472
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.3 52.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA_D

ClientSampled :

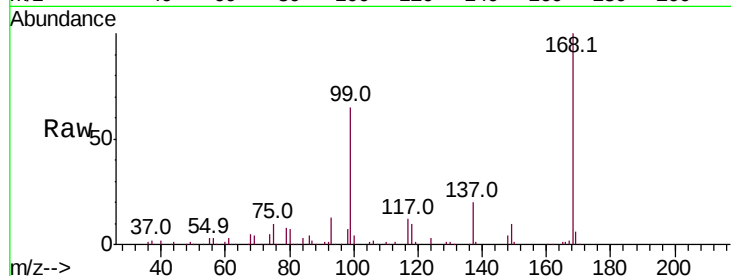
Tot Ion:117 Resp: 41106

Ion Ratio Lower Upper

117 100

119 4.2 73.9 110.9#

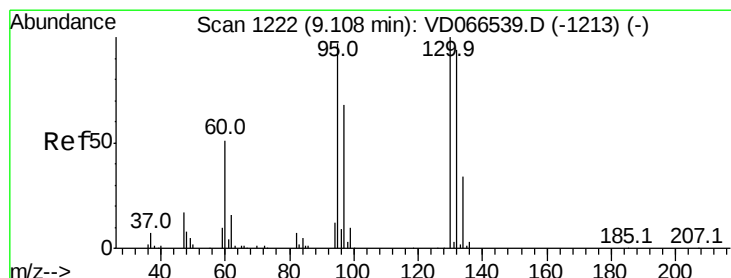
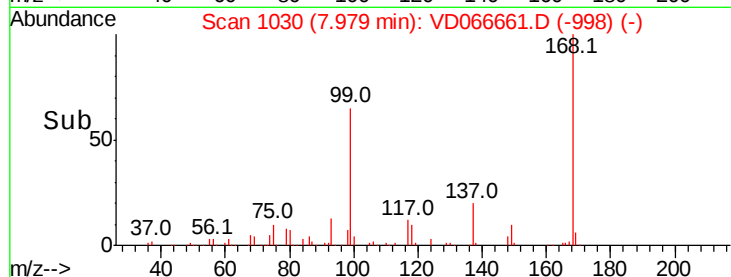
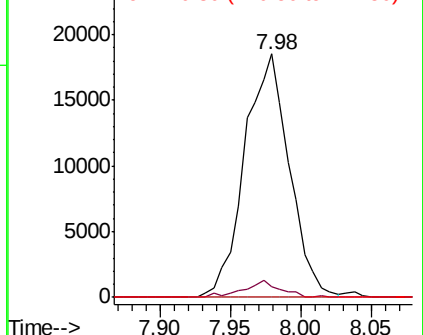
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 1.070 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066661.D

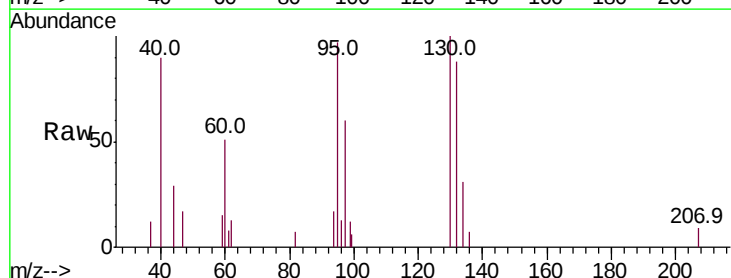
Acq: 11 Sep 2020 21:04

Tgt Ion:130 Resp: 5304

Ion Ratio Lower Upper

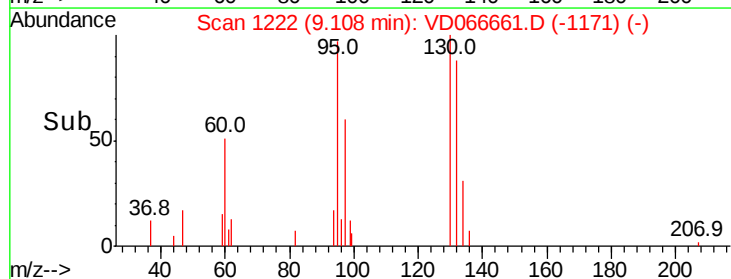
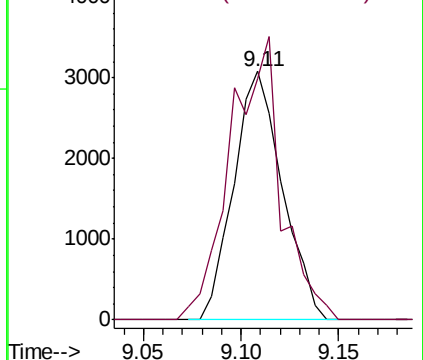
130 100

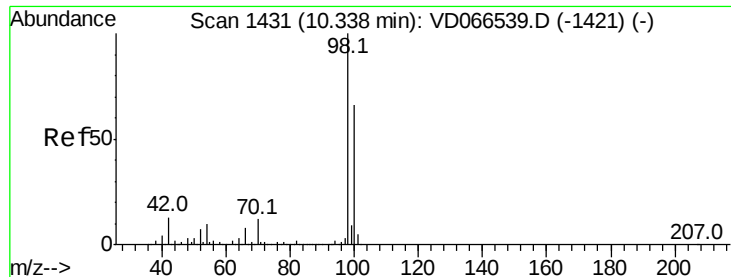
95 97.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

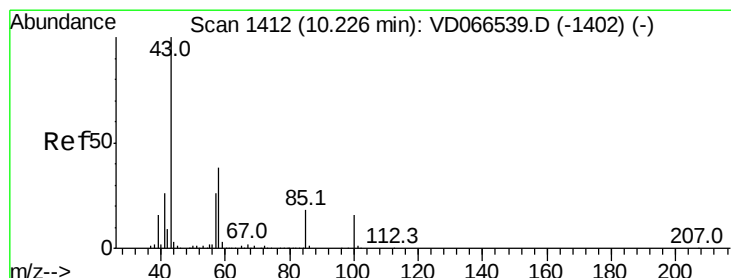
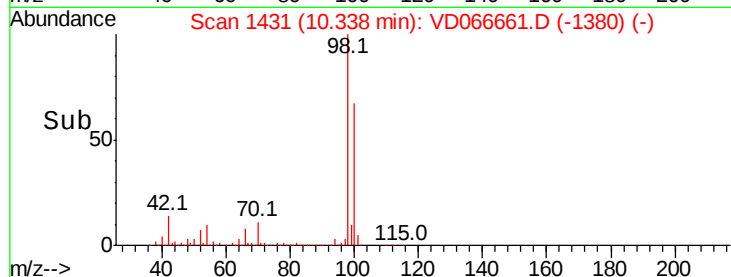
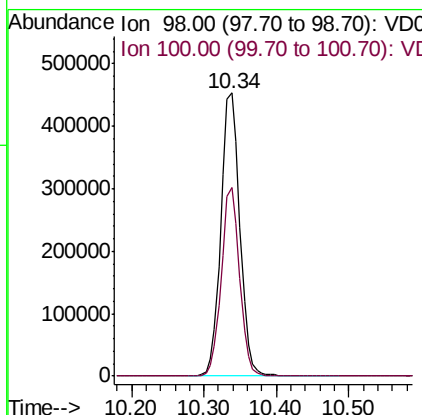
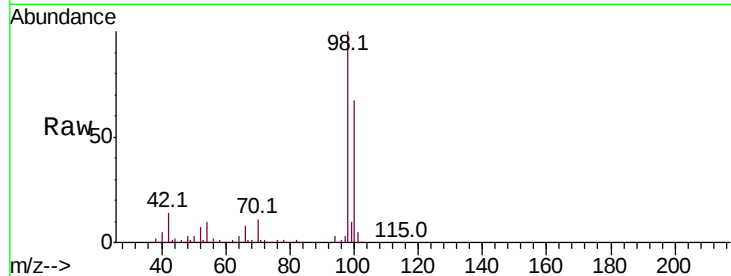




#50
Toluene-d8
Concen: 51.674 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066661.D
Acq: 11 Sep 2020 21:04

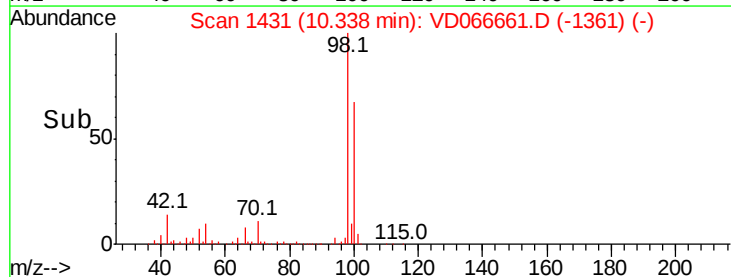
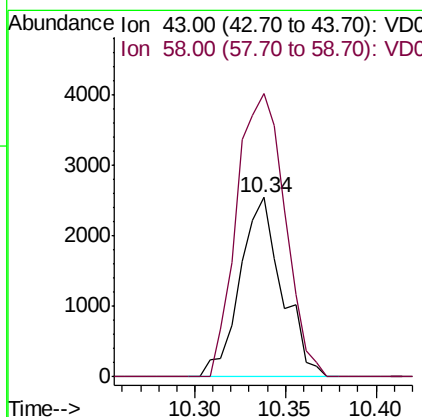
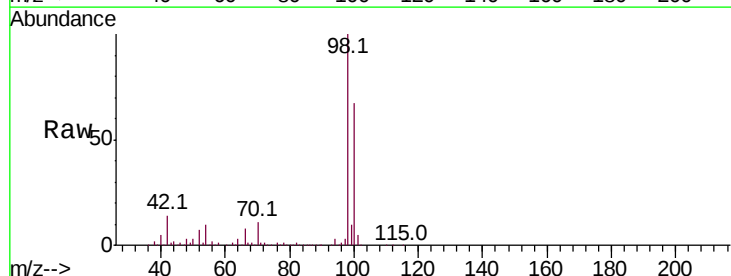
Instrument :
MSVOA_D
ClientSampled :

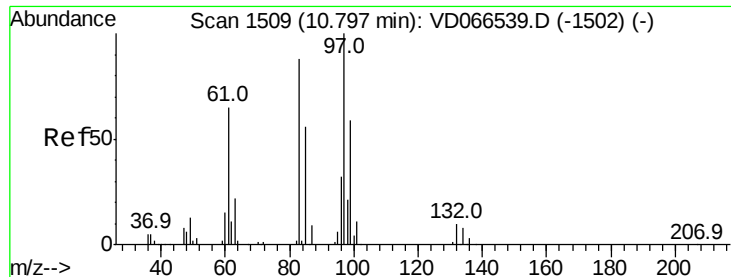
Tot Ion: 98 Resp: 826414
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.557 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066661.D
Acq: 11 Sep 2020 21:04

Tgt Ion: 43 Resp: 4135
Ion Ratio Lower Upper
43 100
58 180.1 30.5 45.7#

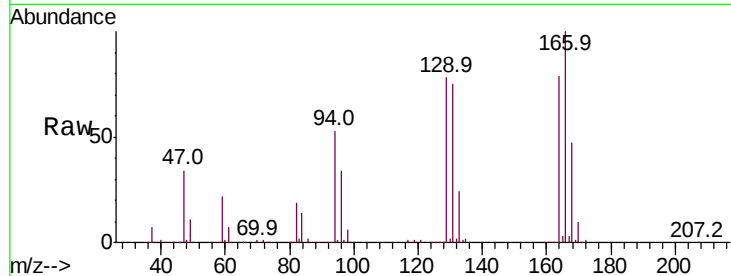




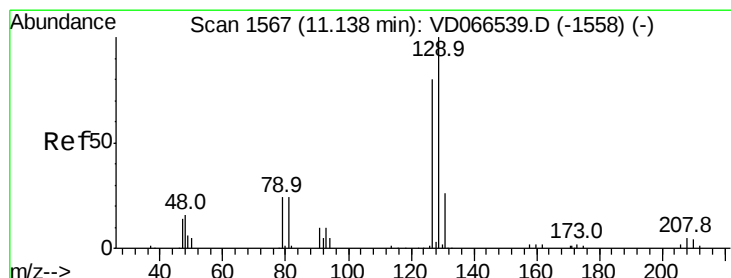
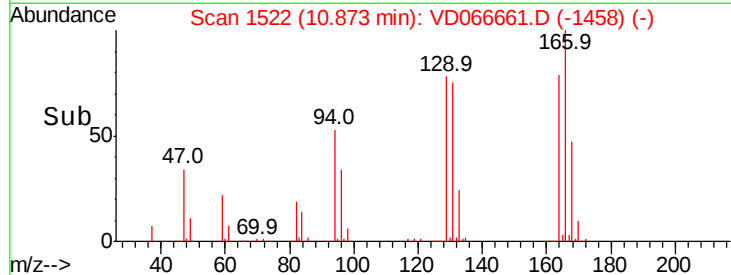
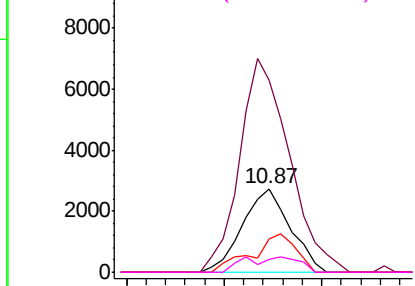
#55
 1,1,2-Trichloroethane
 Concen: 1.372 ug/l
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.08 min
 Lab File: VD066661.D
 Acq: 11 Sep 2020 21:04

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 4627
 Ion Ratio Lower Upper
 97 100
 83 230.3 70.1 105.1#
 85 39.3 44.5 66.7#
 99 15.9 47.1 70.7#

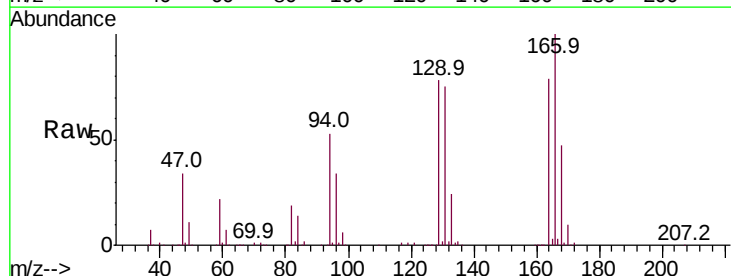


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

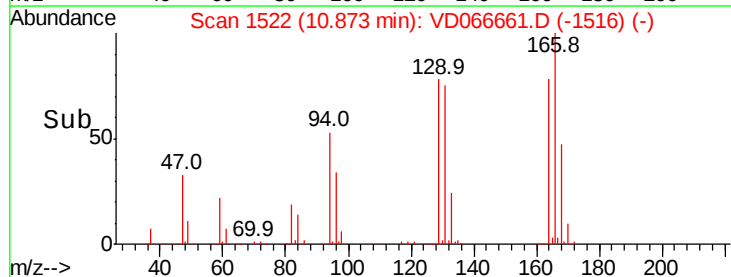
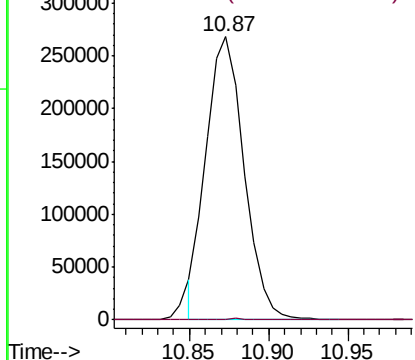


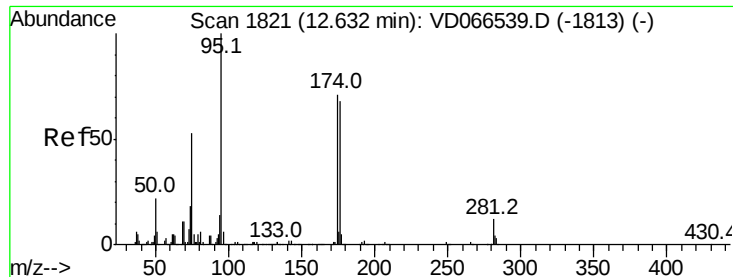
#60
 Dibromochloromethane
 Concen: 99.840 ug/l
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.26 min
 Lab File: VD066661.D
 Acq: 11 Sep 2020 21:04

Tgt Ion: 129 Resp: 445256
 Ion Ratio Lower Upper
 129 100
 127 0.3 39.5 118.3#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 51.304 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA_D

ClientSampled :

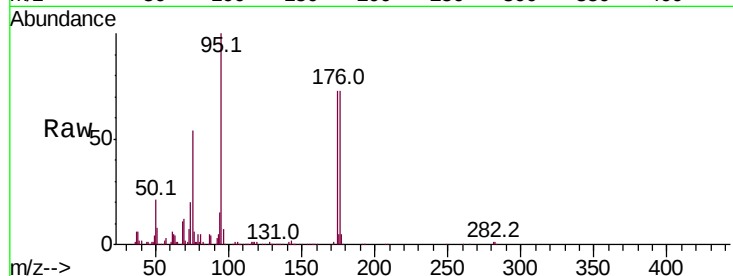
Tot Ion: 95 Resp: 272065

Ion Ratio Lower Upper

95 100

174 75.9 0.0 155.8

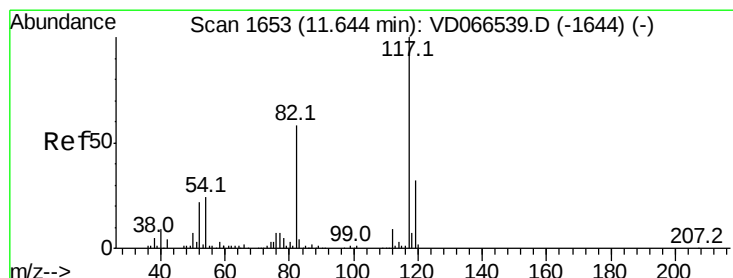
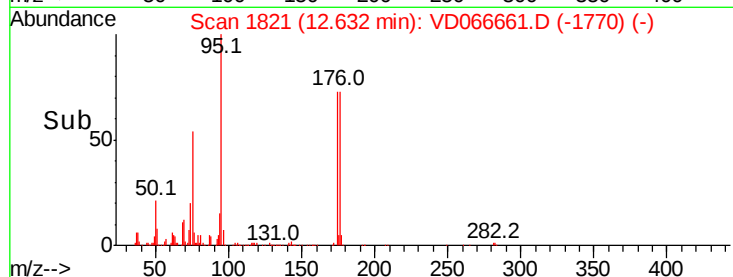
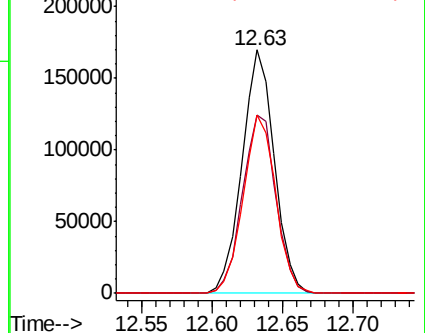
176 73.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

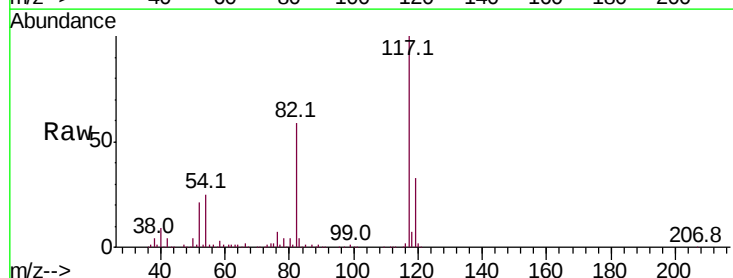
Tgt Ion: 117 Resp: 623023

Ion Ratio Lower Upper

117 100

82 58.5 46.2 69.2

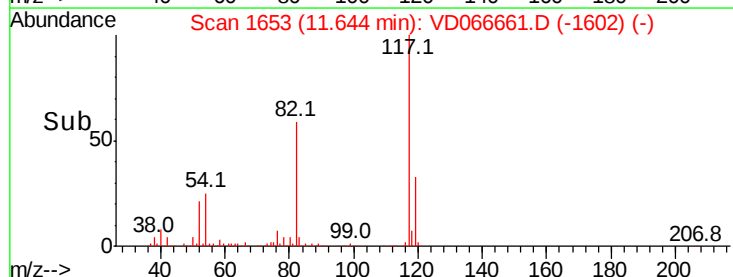
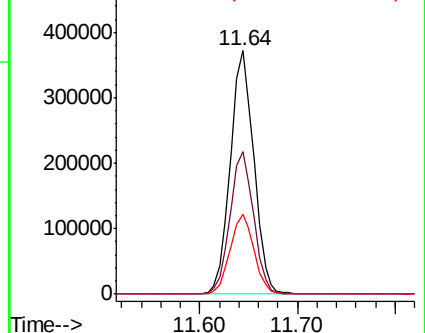
119 32.9 25.8 38.8

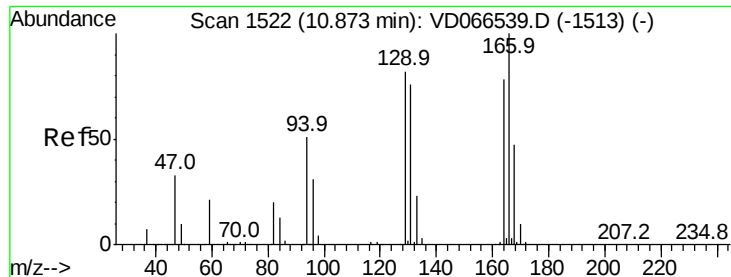


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

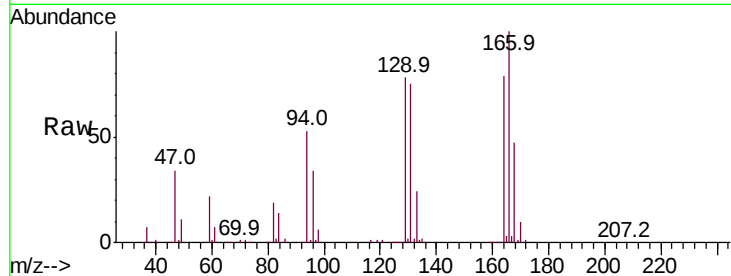




#64
Tetrachloroethene
Concen: 113.592 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066661.D
Acq: 11 Sep 2020 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.2	154.8
129	99.5	84.5	126.7
131	95.7	78.9	118.3



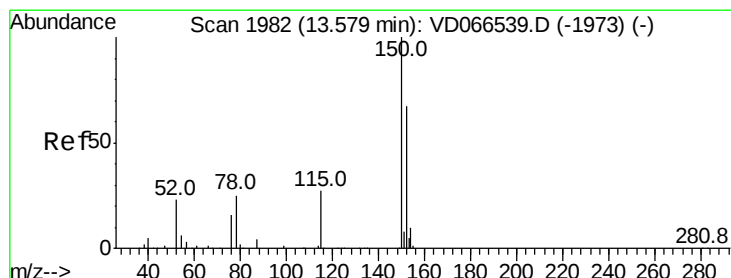
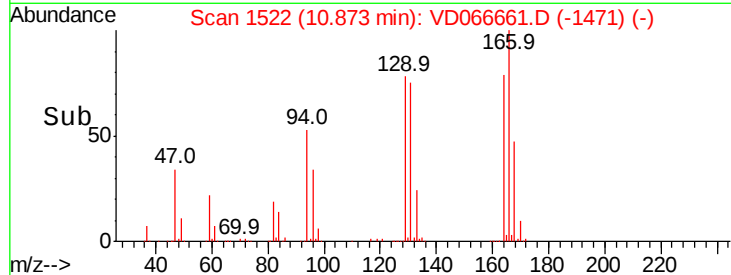
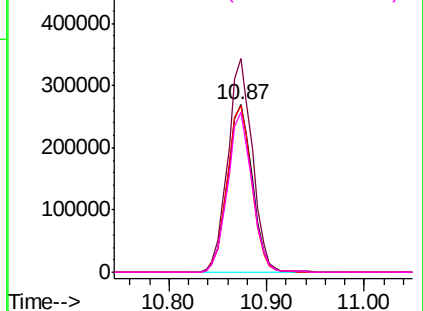
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

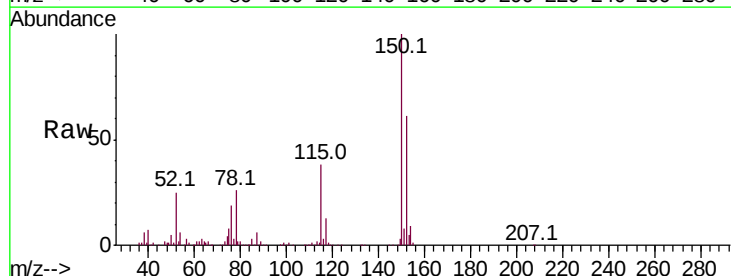
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD066661.D
Acq: 11 Sep 2020 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.4	91.2
150	155.5	0.0	345.8

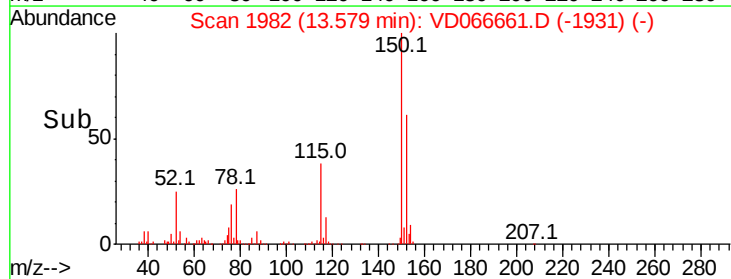
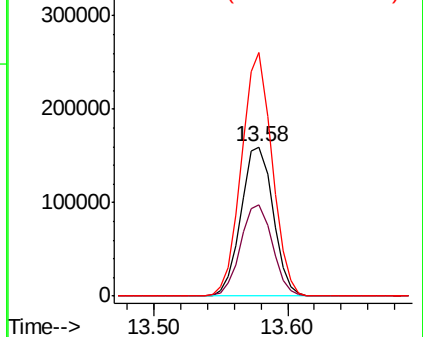


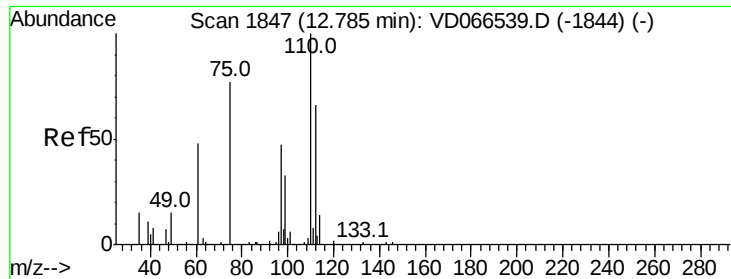
Abundance

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: 58.651 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

Instrument :

MSVOA_D

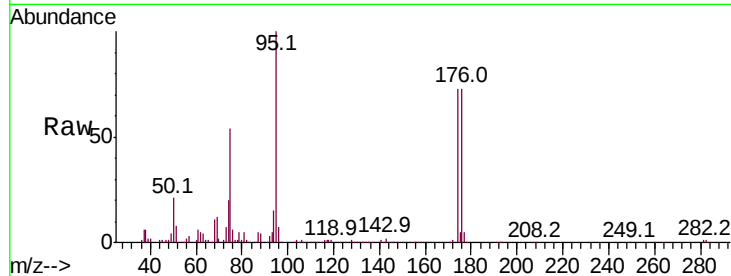
ClientSampled :

Tot Ion: 75 Resp: 149669

Ion Ratio Lower Upper

75 100

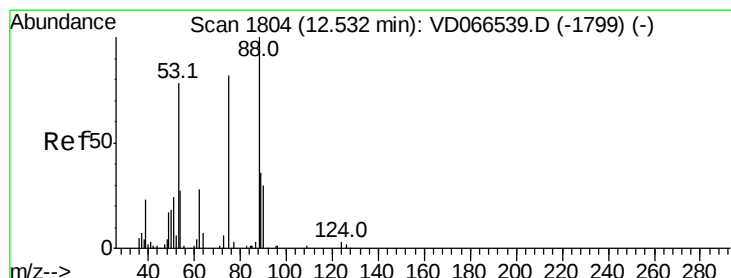
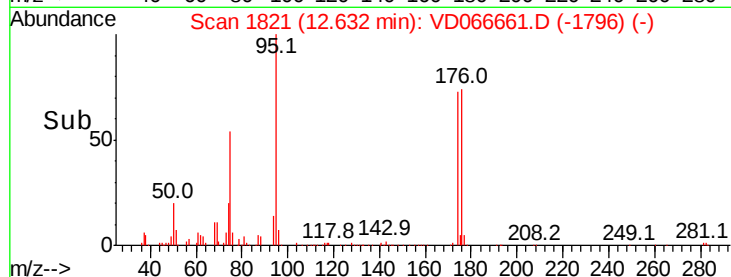
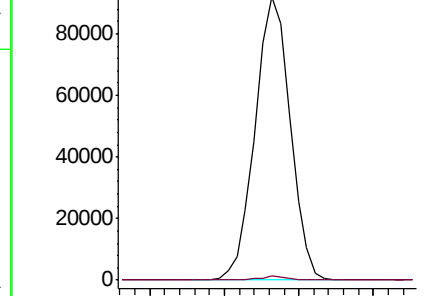
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63



#81

trans-1,4-Dichloro-2-butene

Concen: 136.929 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066661.D

Acq: 11 Sep 2020 21:04

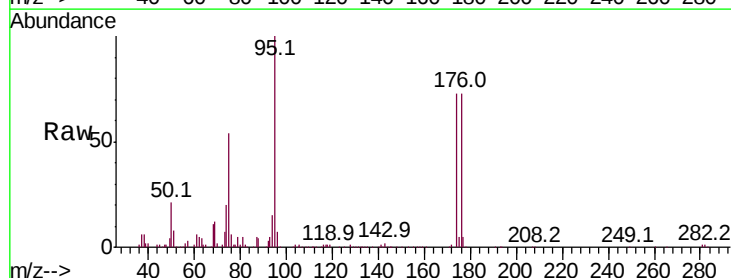
Tgt Ion: 75 Resp: 149669

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.0 37.1 55.7#



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

12.63

