

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066505.D
 Acq On : 01 Sep 2020 19:24
 Operator : VA/SY
 Sample : L3852-07
 Misc : 5.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 24179

Quant Time: Sep 02 01:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	167076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	245066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	216842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99640	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	93417	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	
35) Dibromofluoromethane	7.91	113	75929	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.34	98	283023	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.63	95	93308	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	

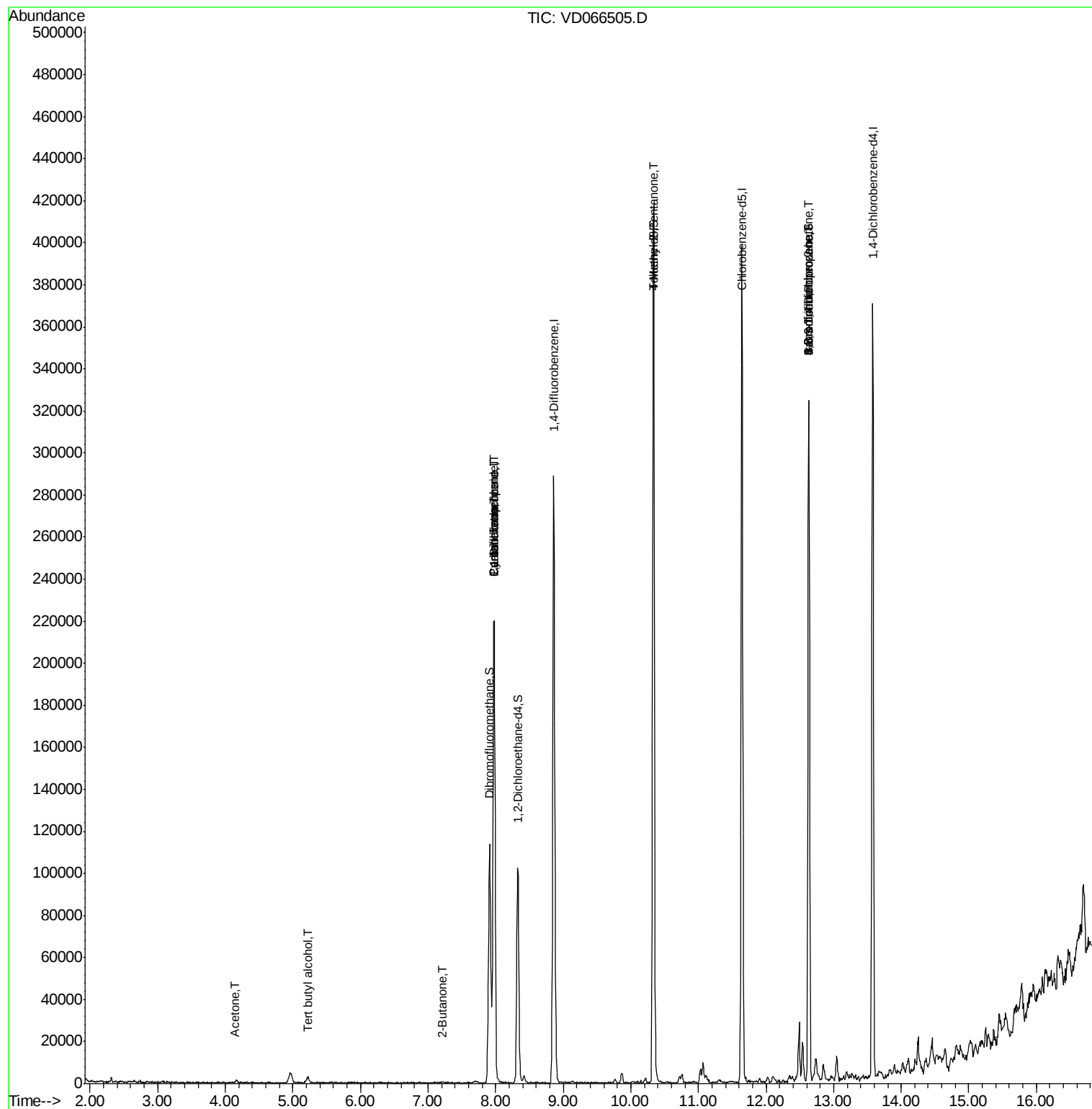
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	5457	17.242	ug/l #	74
16) Acetone	4.15	43	809	2.740	ug/l #	46
20) Methylene Chloride	4.96	84	4366	Below Cal	#	75
25) 2-Butanone	7.22	43	350	1.044	ug/l #	47
31) Cyclohexane	7.98	56	3778	1.661	ug/l #	53
36) 1,1-Dichloropropene	7.97	75	11310	5.058	ug/l #	43
38) Carbon Tetrachloride	7.97	117	16976	5.827	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1249	1.691	ug/l #	1
71) Bromoform	12.63	173	1077	1.077	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	55070	78.562	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	55070	166.762	ug/l #	6

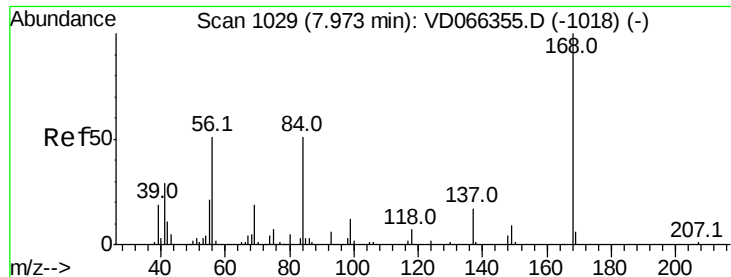
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 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: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

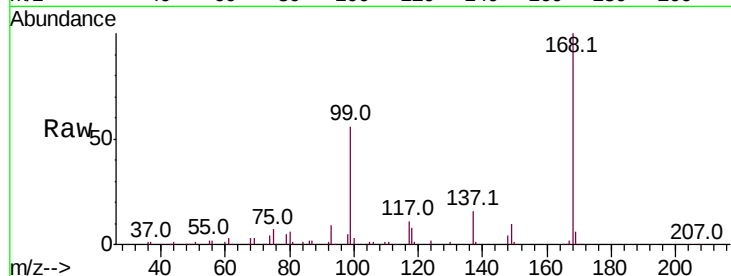
24179

Tot Ion:168 Resp: 167076

Ion Ratio Lower Upper

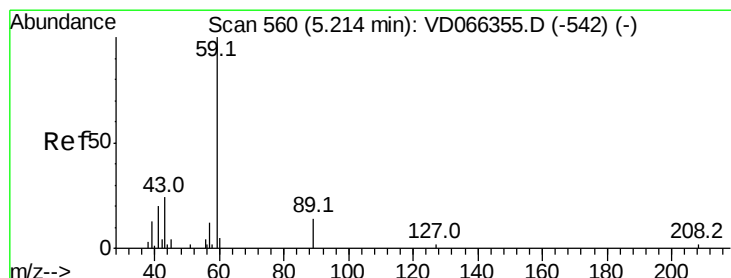
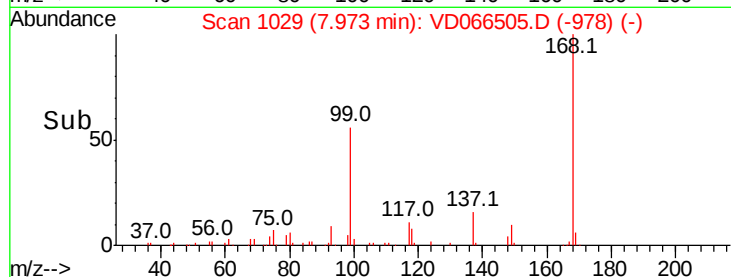
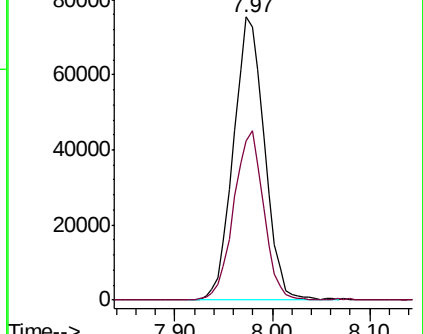
168 100

99 56.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 17.242 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066505.D

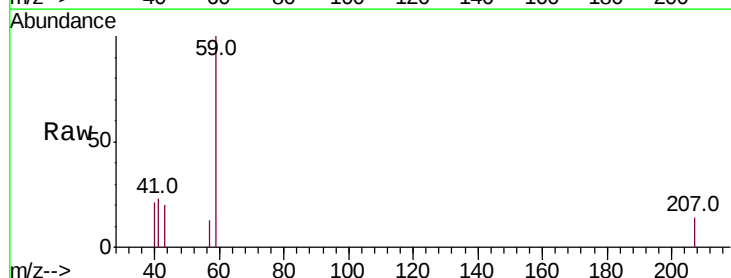
Acq: 01 Sep 2020 19:24

Tgt Ion: 59 Resp: 5457

Ion Ratio Lower Upper

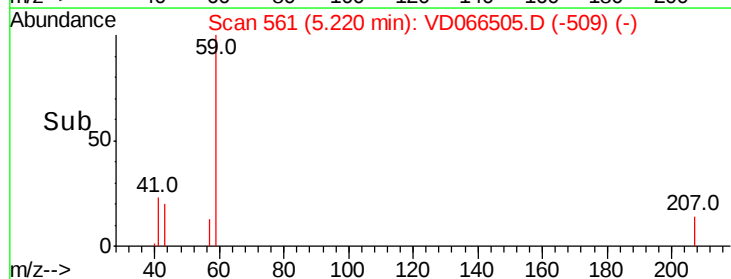
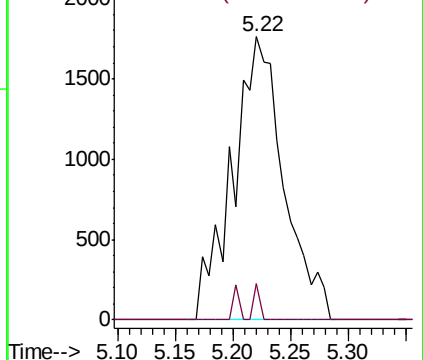
59 100

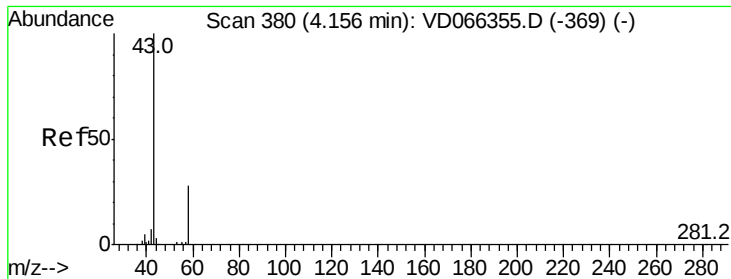
57 1.5 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.740 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

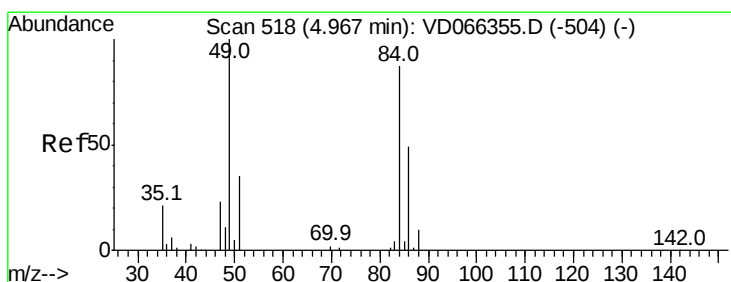
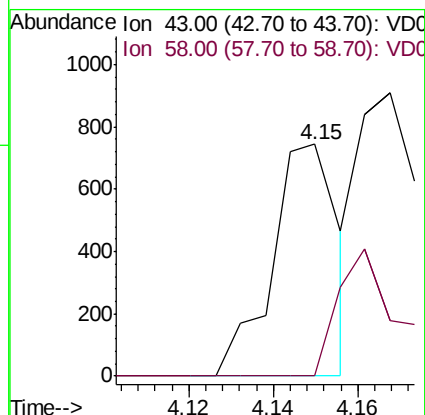
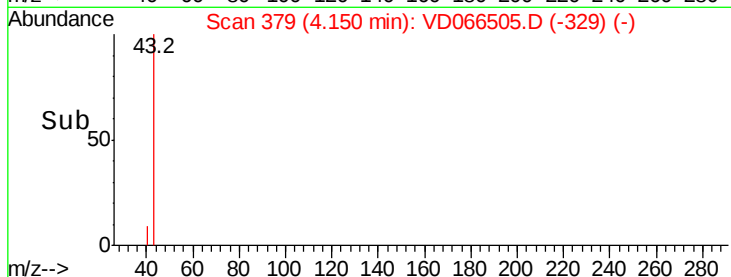
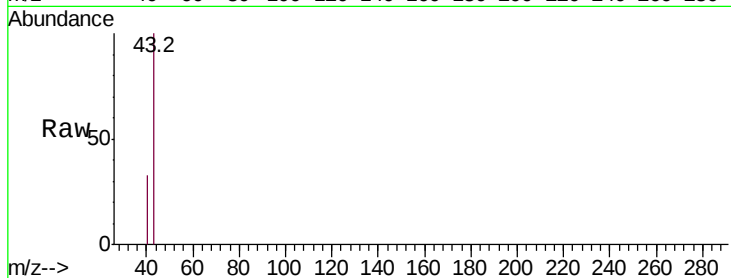
ClientSampleId :
24179

Tot Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

Tgt Ion: 84 Resp: 4366

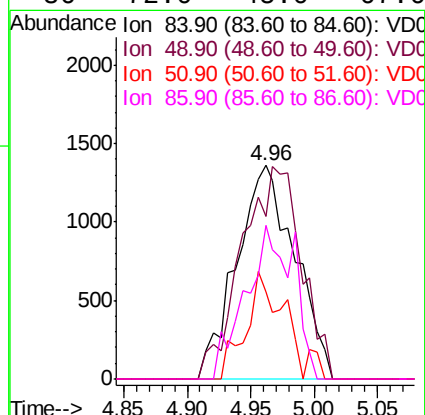
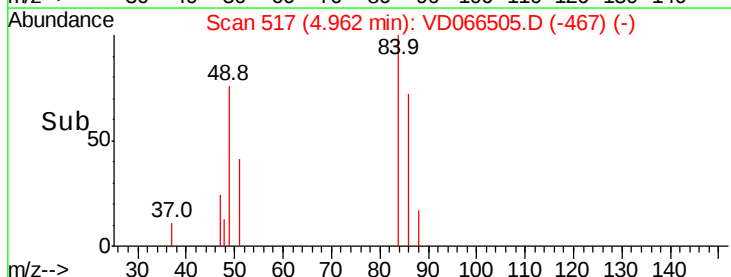
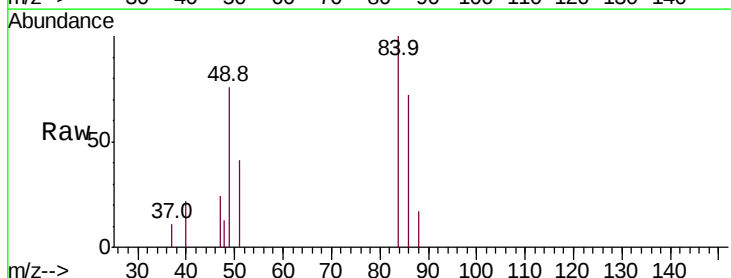
Ion Ratio Lower Upper

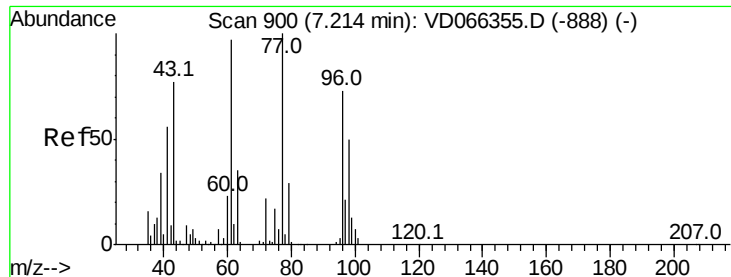
84 100

49 76.3 92.5 138.7#

51 41.0 32.5 48.7

86 72.0 45.0 67.6#

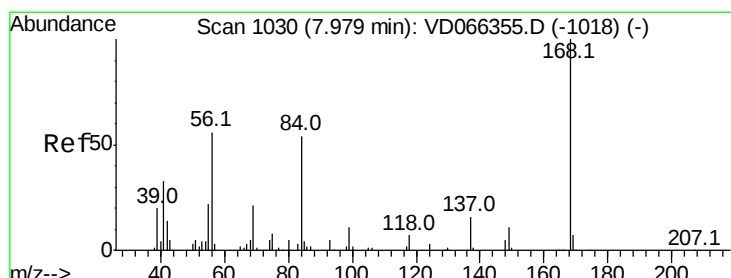
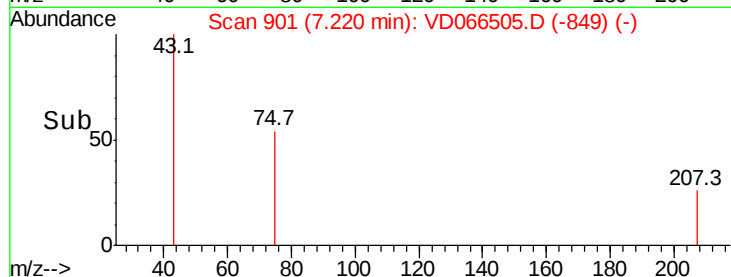
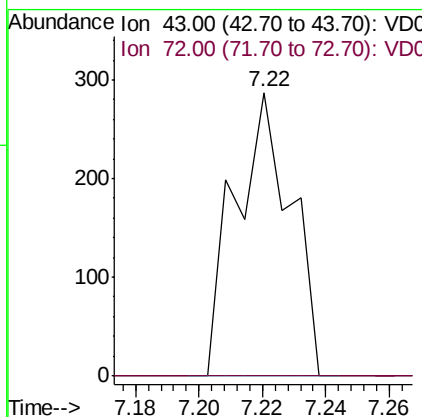
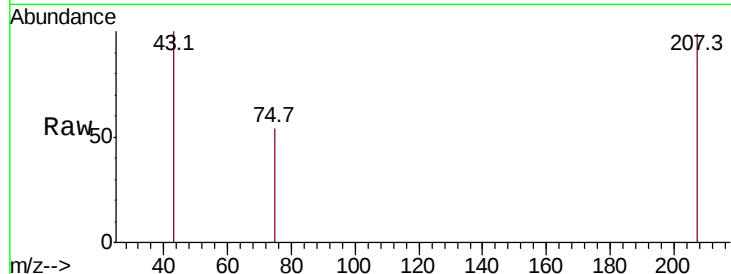




#25
2-Butanone
Concen: 1.044 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066505.D
Acq: 01 Sep 2020 19:24

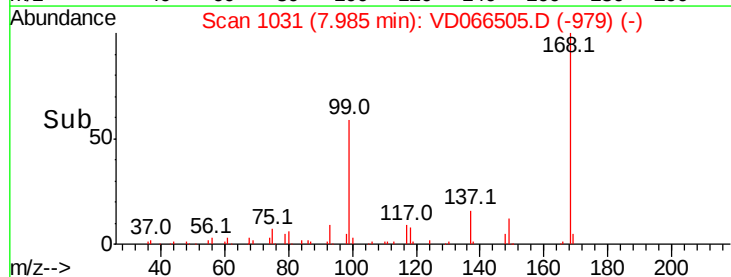
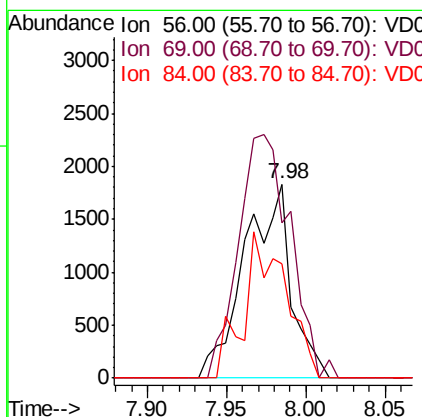
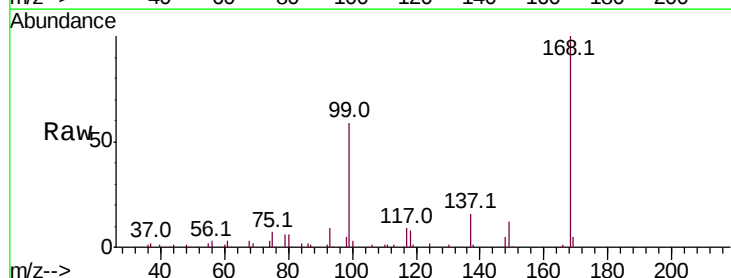
Instrument :
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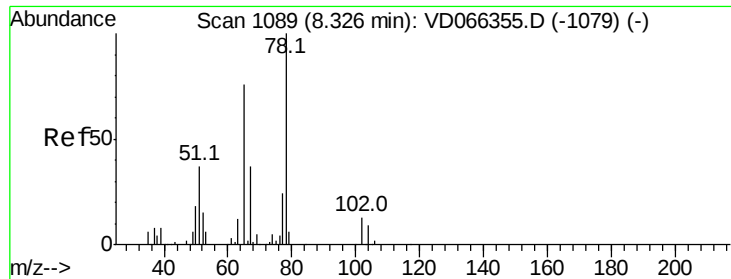
Tot Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#



#31
Cyclohexane
Concen: 1.661 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066505.D
Acq: 01 Sep 2020 19:24

Tgt Ion: 56 Resp: 3778
Ion Ratio Lower Upper
56 100
69 80.0 29.6 44.4#
84 59.1 76.6 115.0#

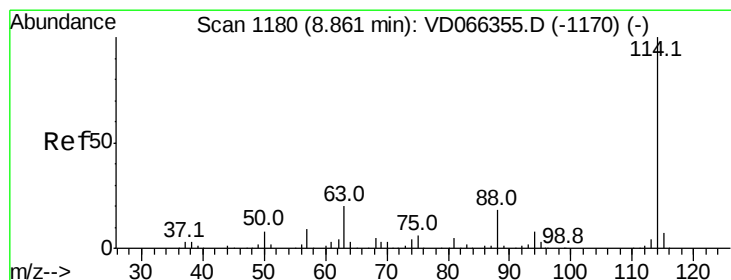
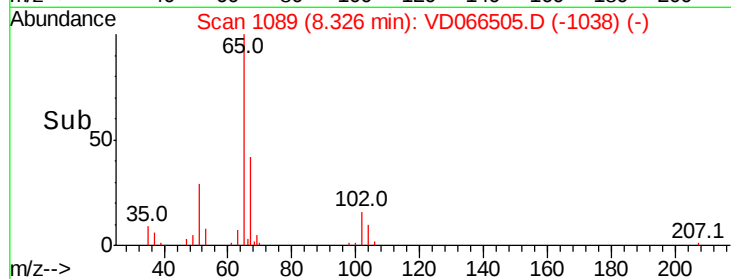
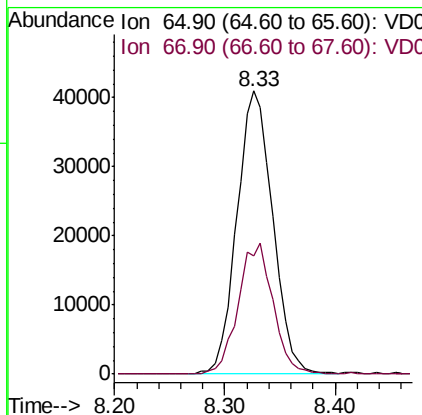
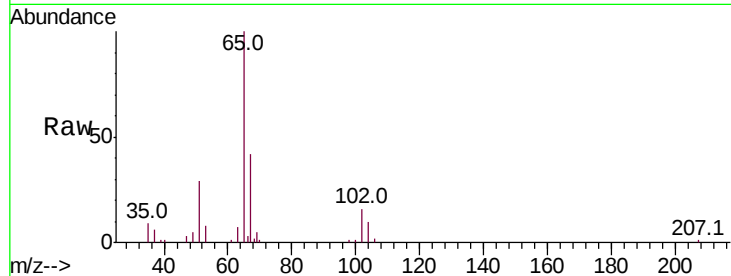




#33
 1,2-Dichloroethane-d4
 Concen: 57.031 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066505.D
 Acq: 01 Sep 2020 19:24

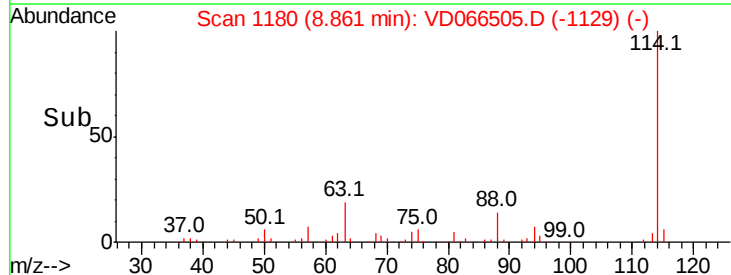
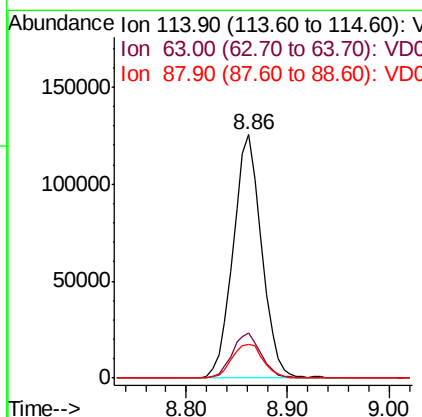
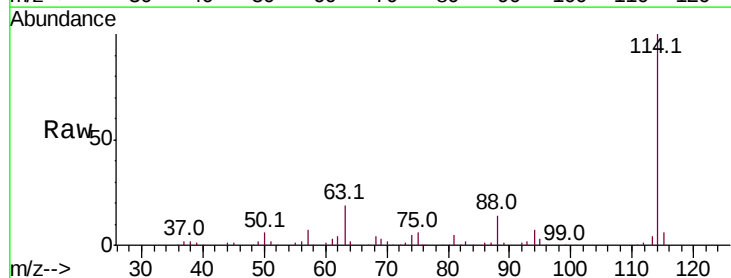
Instrument :
 MSVOA_D
 ClientSampleId :
 24179

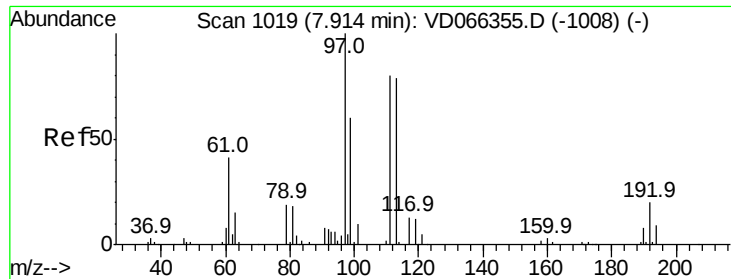
Tot Ion: 65 Resp: 93417
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066505.D
 Acq: 01 Sep 2020 19:24

Tgt Ion: 114 Resp: 245066
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.8
 88 13.6 0.0 35.4

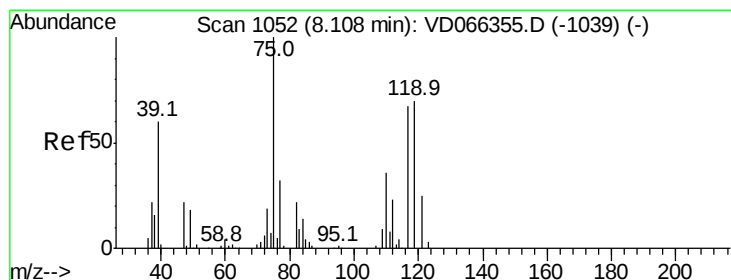
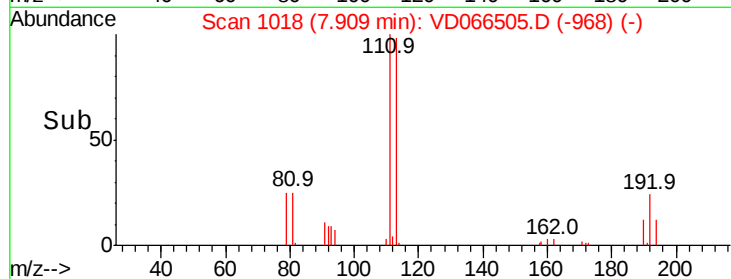
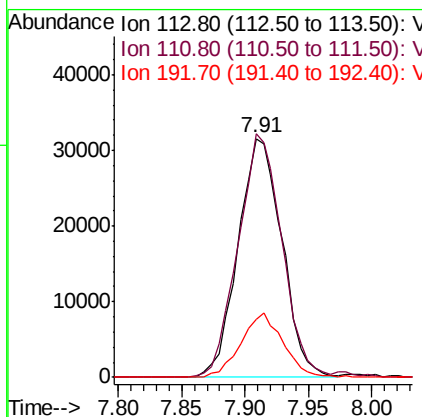
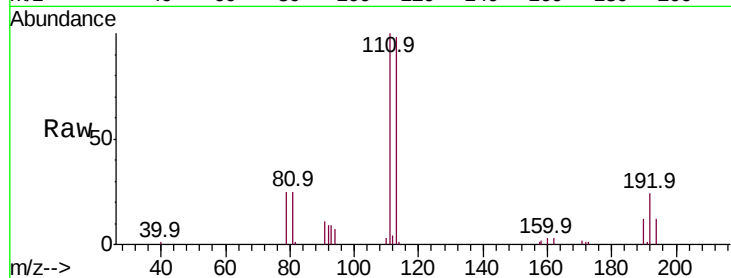




#35
 Dibromofluoromethane
 Concen: 49.548 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066505.D
 Acq: 01 Sep 2020 19:24

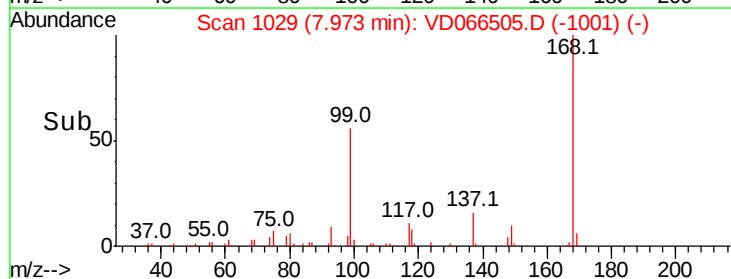
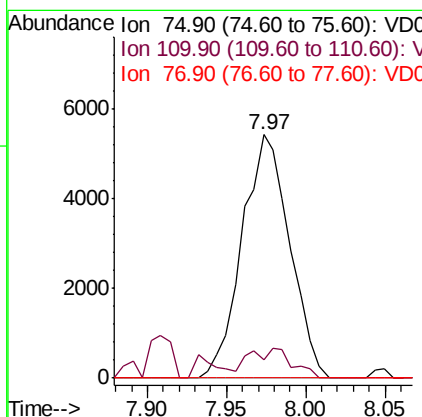
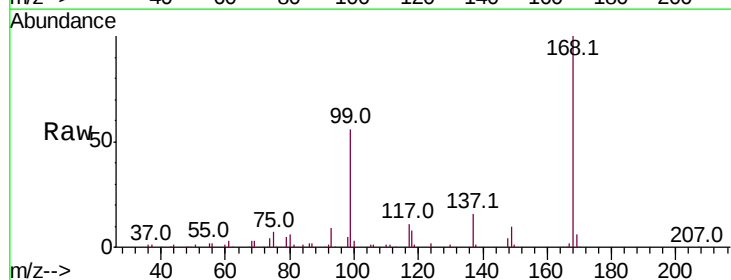
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 ClientSampleId :
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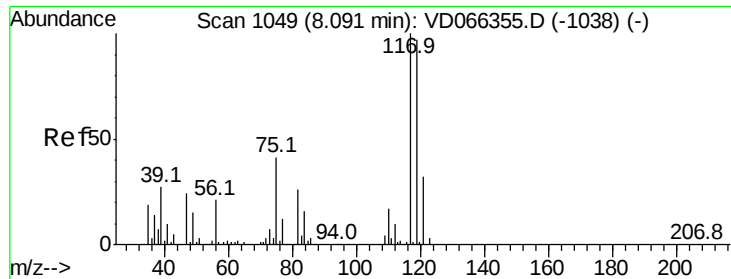
Tot Ion:113 Resp: 75929
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.3 120.5
 192 25.8 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066505.D
 Acq: 01 Sep 2020 19:24

Tgt Ion: 75 Resp: 11310
 Ion Ratio Lower Upper
 75 100
 110 3.2 18.7 56.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.827 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

24179

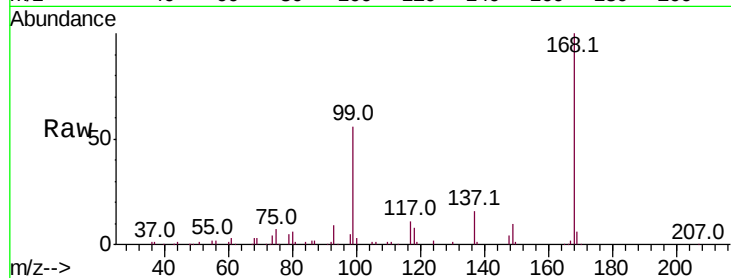
Tot Ion:117 Resp: 16976

Ion Ratio Lower Upper

117 100

119 6.6 77.2 115.8#

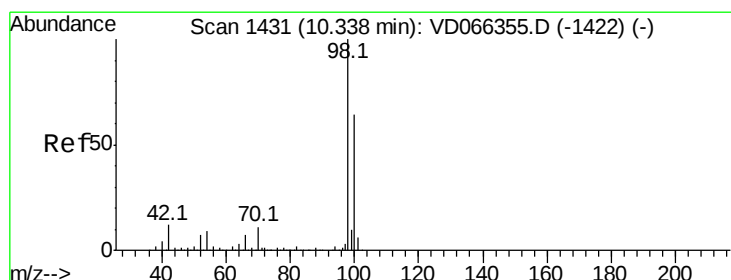
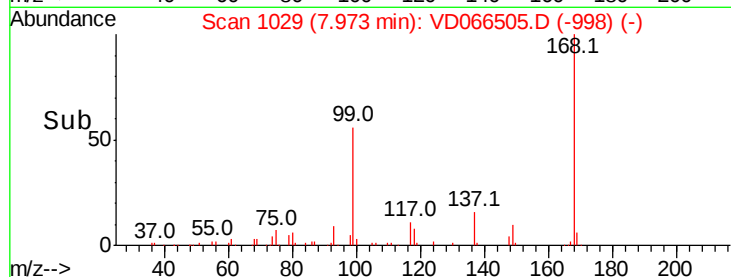
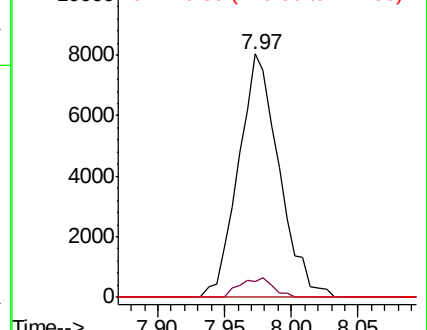
121 0.0 25.8 38.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.477 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066505.D

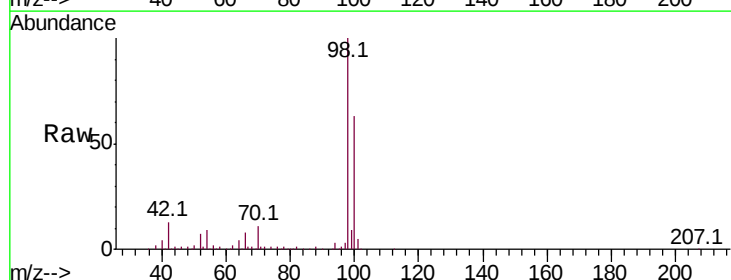
Acq: 01 Sep 2020 19:24

Tgt Ion: 98 Resp: 283023

Ion Ratio Lower Upper

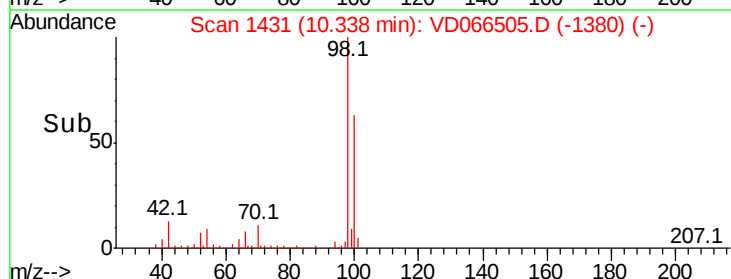
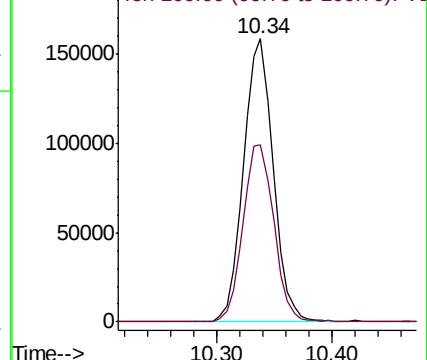
98 100

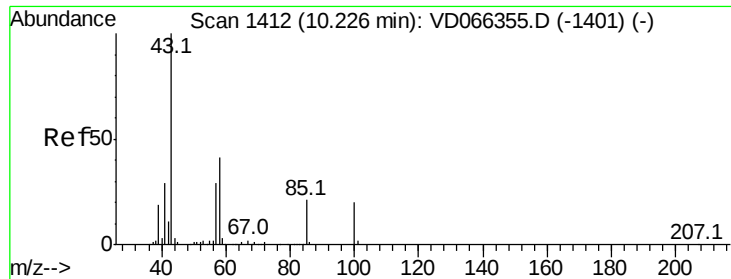
100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.691 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

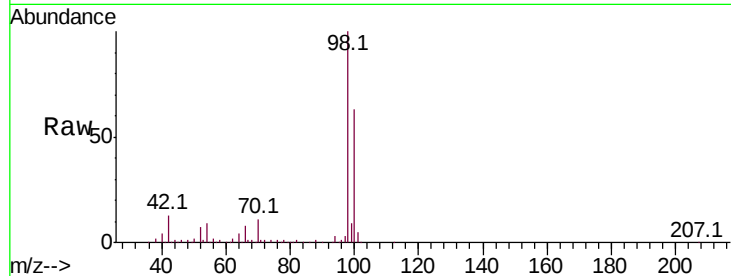
24179

Tot Ion: 43 Resp: 1249

Ion Ratio Lower Upper

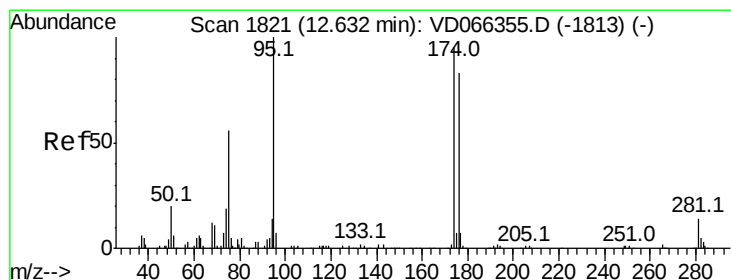
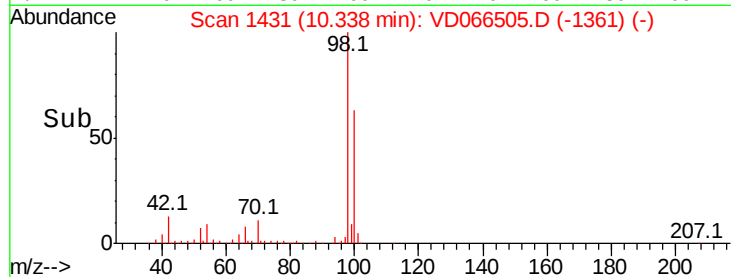
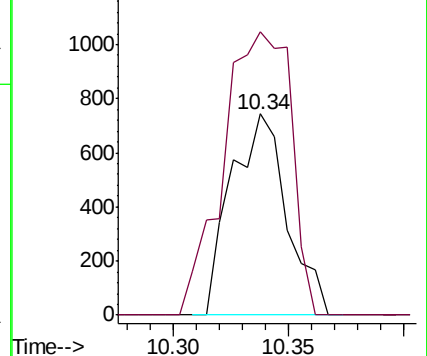
43 100

58 170.9 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.899 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

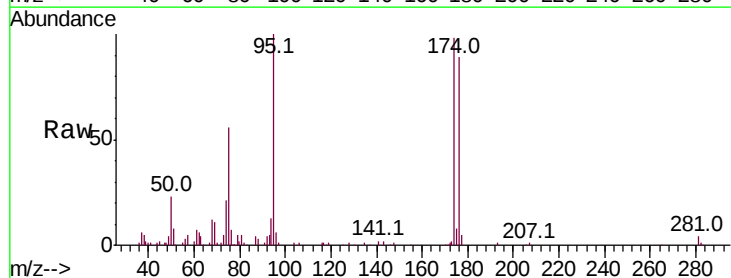
Tgt Ion: 95 Resp: 93308

Ion Ratio Lower Upper

95 100

174 99.5 0.0 183.4

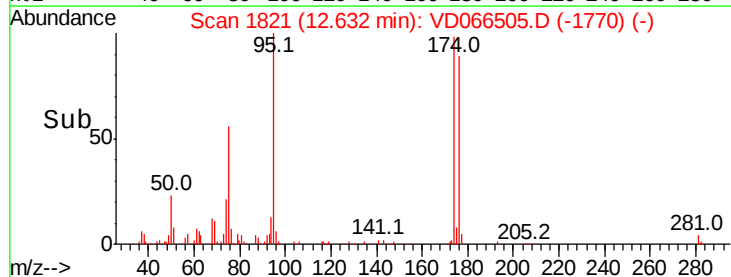
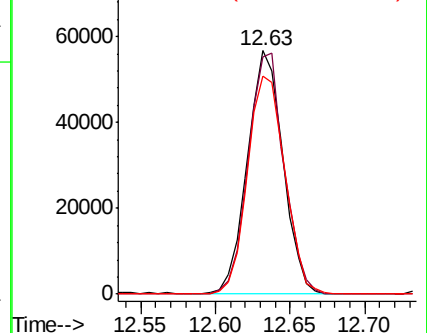
176 94.0 0.0 173.8

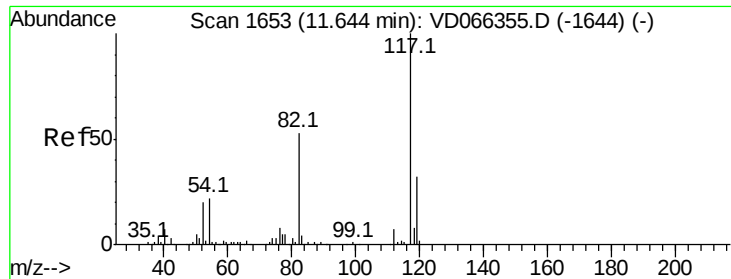


Abundance Ion 94.90 (94.60 to 95.60): VDC

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: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

24179

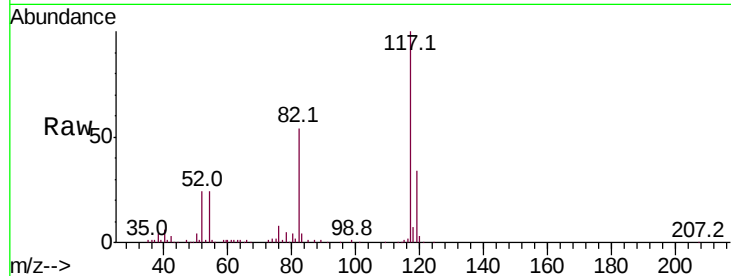
Tot Ion:117 Resp: 216842

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

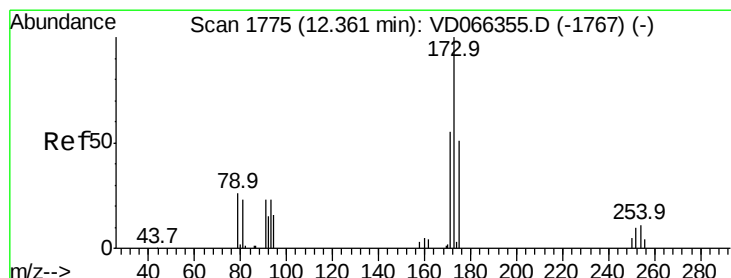
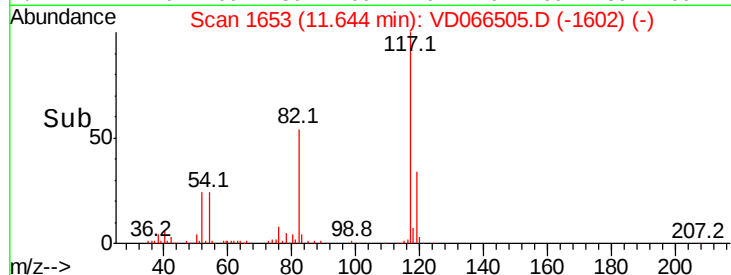
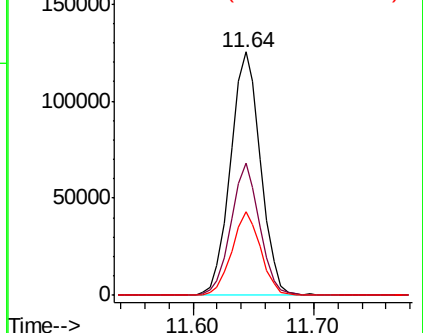
119 34.3 25.8 38.8



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



#71

Bromoform

Concen: 1.077 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

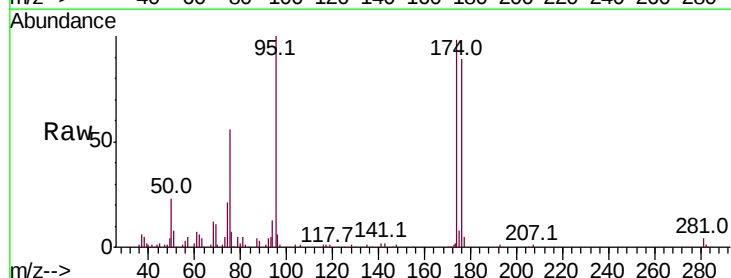
Tgt Ion:173 Resp: 1077

Ion Ratio Lower Upper

173 100

175 400.7 24.8 74.3#

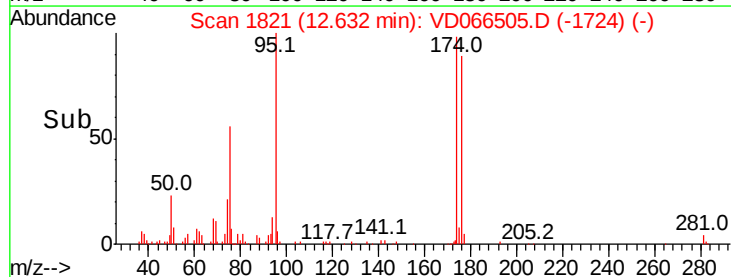
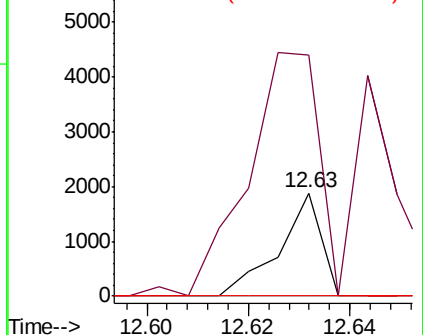
254 0.0 0.0 0.0

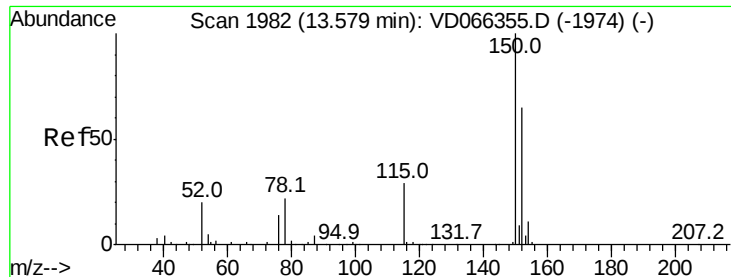


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

24179

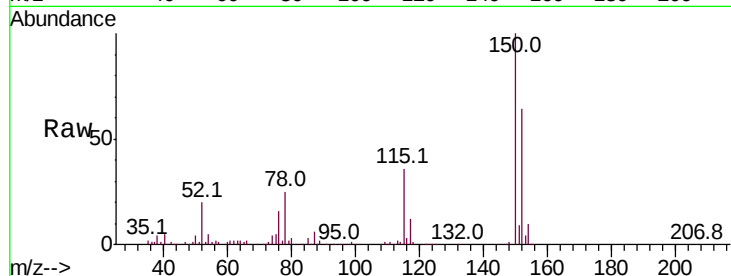
Tot Ion:152 Resp: 99640

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

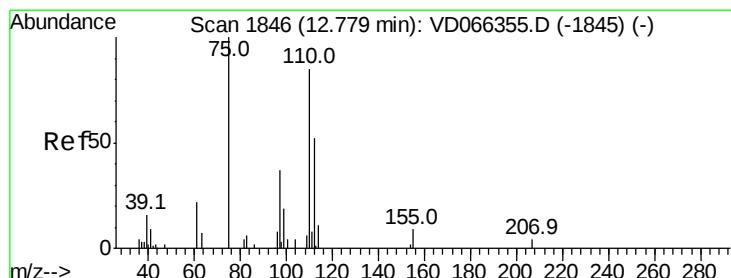
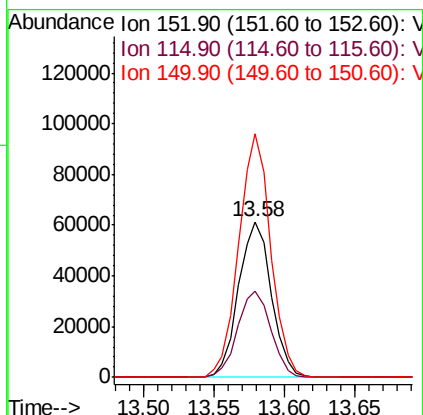
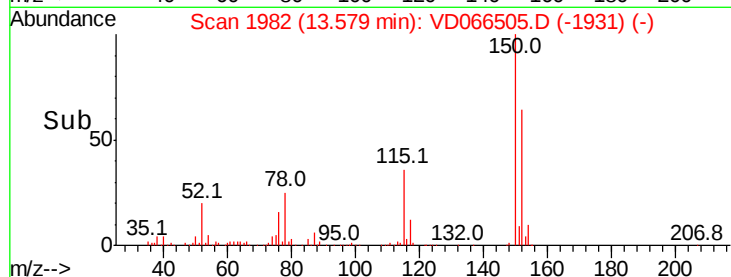
150 151.9 0.0 343.2



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: 78.562 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.14 min

Lab File: VD066505.D

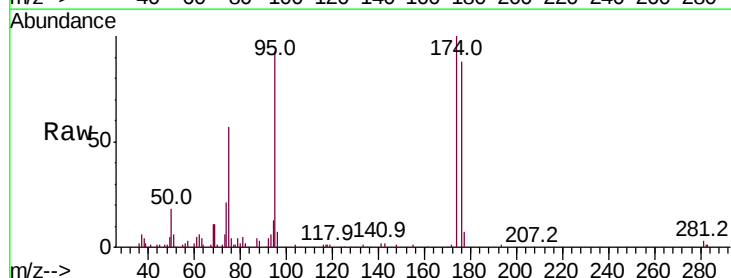
Acq: 01 Sep 2020 19:24

Tgt Ion: 75 Resp: 55070

Ion Ratio Lower Upper

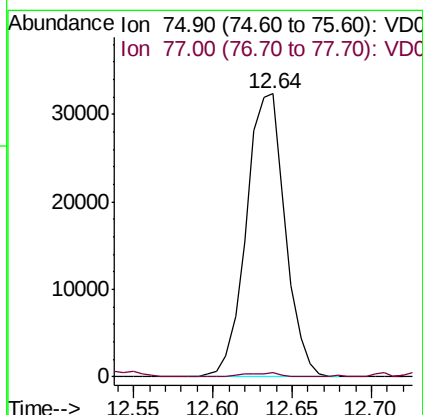
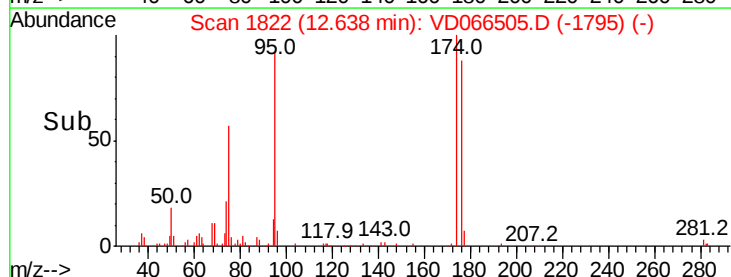
75 100

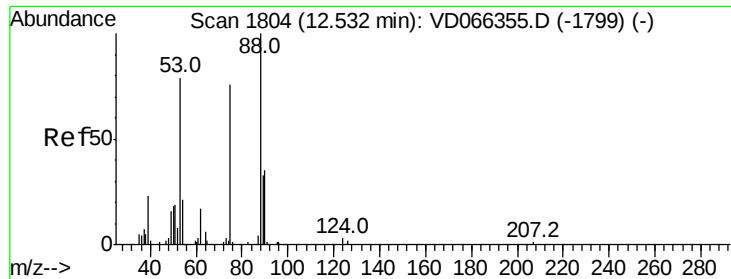
77 1.2 182.9 548.9#



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: 166.762 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066505.D

Acq: 01 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

24179

Tot Ion: 75 Resp: 55070

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#

