

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066494.D
 Acq On : 01 Sep 2020 14:22
 Operator : VA/SY
 Sample : VD0901SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBL01

Quant Time: Sep 02 01:05:53 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	7.98	168	195403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	269467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	251186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131375	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	102927	53.73	ug/l	0.00
Spiked Amount						
			Recovery	=	107.46%	
35) Dibromofluoromethane	7.91	113	81377	48.29	ug/l	0.00
Spiked Amount						
			Recovery	=	96.58%	
50) Toluene-d8	10.34	98	319812	51.87	ug/l	0.00
Spiked Amount						
			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.63	95	108015	49.37	ug/l	0.00
Spiked Amount						
			Recovery	=	98.74%	

Target Compounds

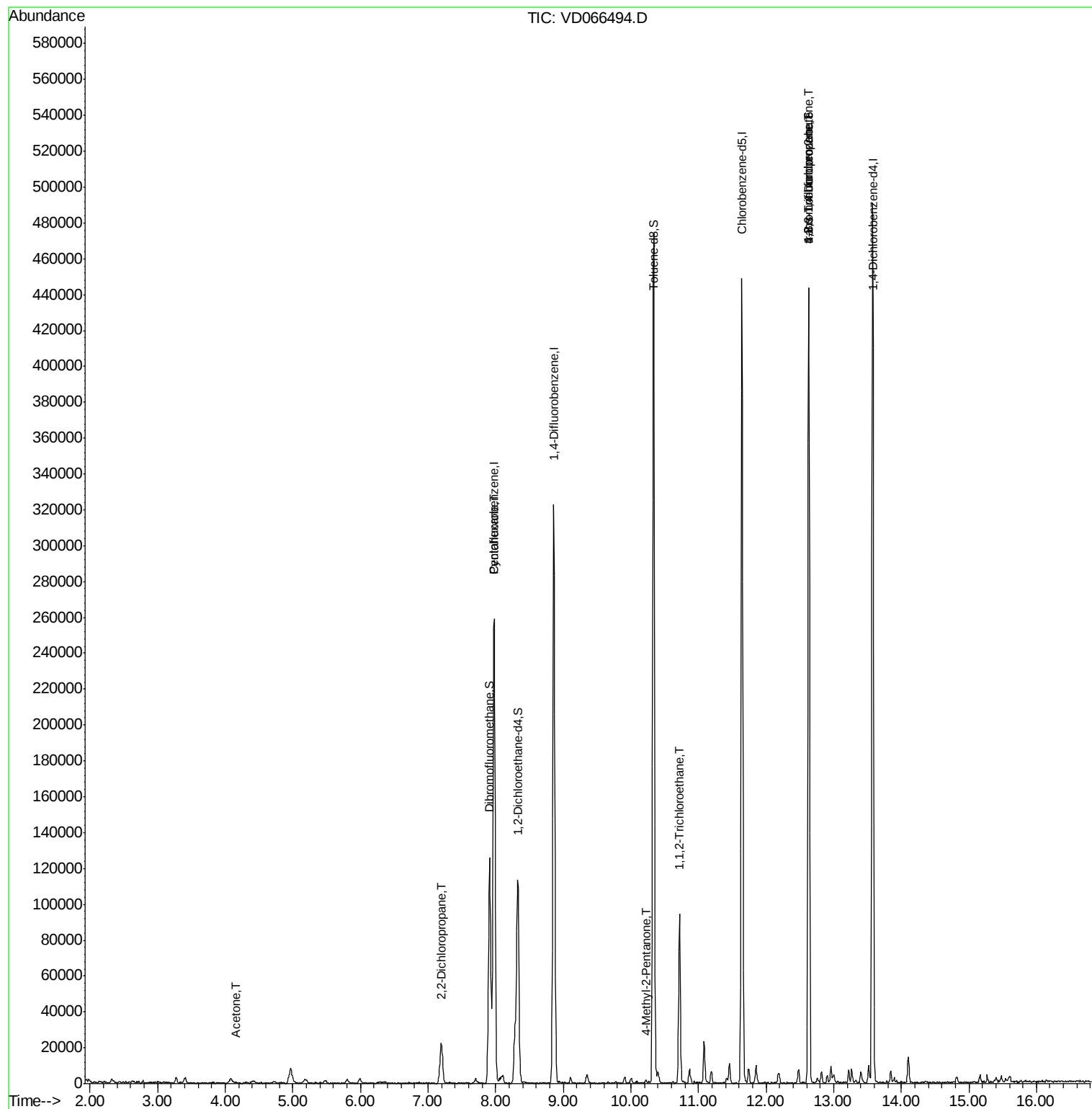
					Qvalue	
11) Tert butyl alcohol	5.17	59	1112	Below Cal	#	71
16) Acetone	4.15	43	444	1.286	ug/l #	46
20) Methylene Chloride	4.96	84	6083	Below Cal	#	88
26) 2,2-Dichloropropane	7.20	77	3367	1.080	ug/l #	64
31) Cyclohexane	7.97	56	5597	2.104	ug/l #	55
51) 4-Methyl-2-Pentanone	10.23	43	1344	1.655	ug/l	90
55) 1,1,2-Trichloroethane	10.73	97	1297	1.049	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	68384	73.990	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	68384	157.058	ug/l #	6

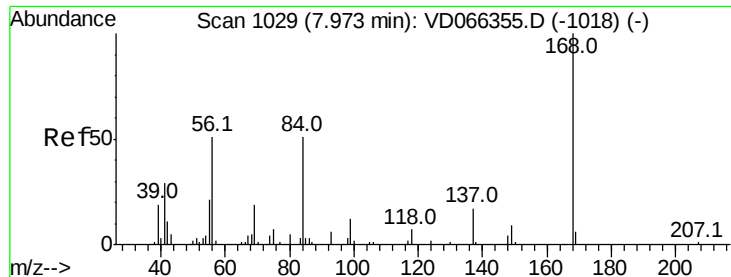
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090120\
Data File : VD066494.D
Acq On : 01 Sep 2020 14:22
Operator : VA/SY
Sample : VD0901SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBL01

Quant Time: Sep 02 01:05:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleID :

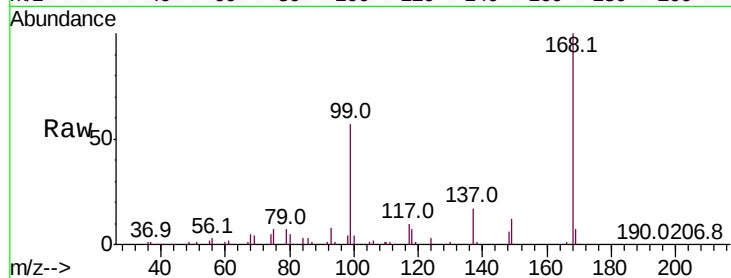
VD0901SBL01

Tot Ion:168 Resp: 195403

Ion Ratio Lower Upper

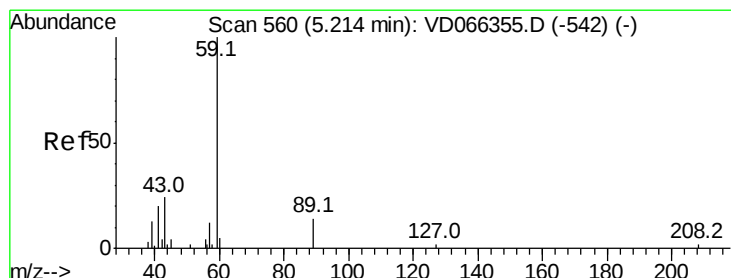
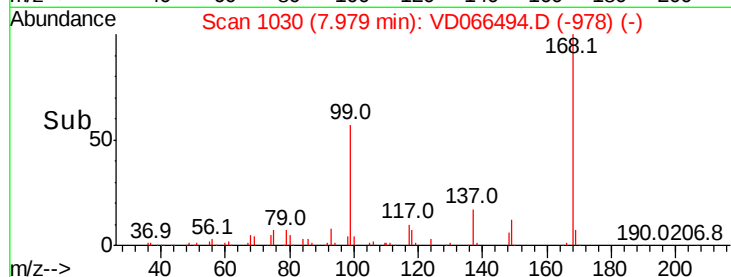
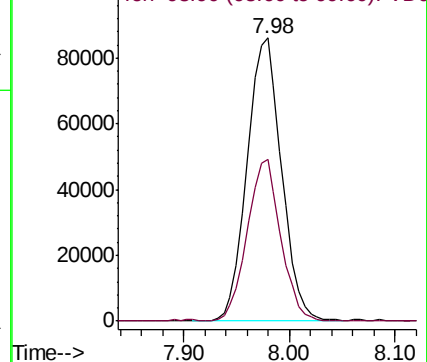
168 100

99 57.0 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: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.04 min

Lab File: VD066494.D

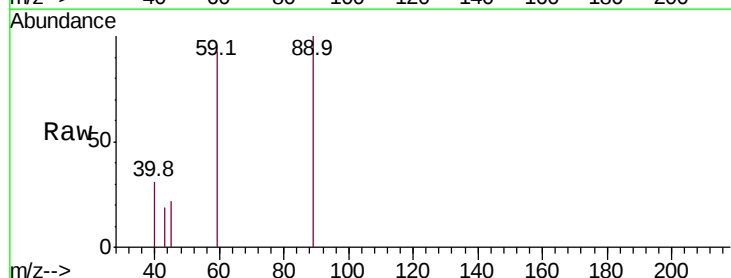
Acq: 01 Sep 2020 14:22

Tgt Ion: 59 Resp: 1112

Ion Ratio Lower Upper

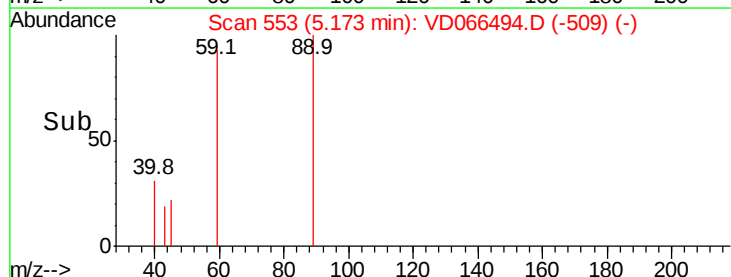
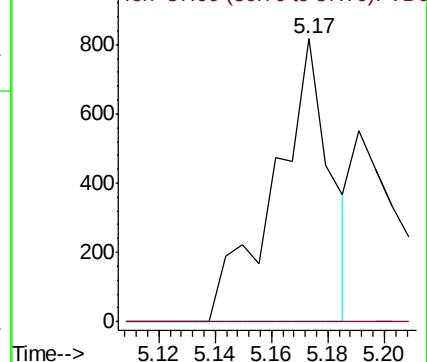
59 100

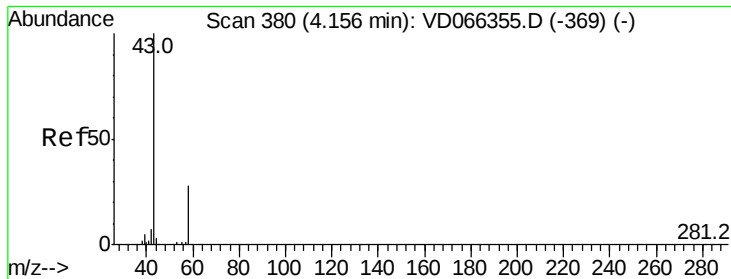
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.286 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

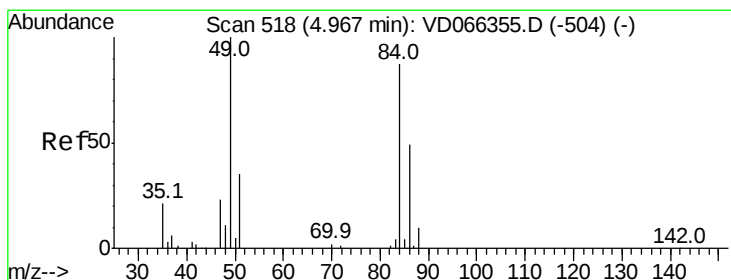
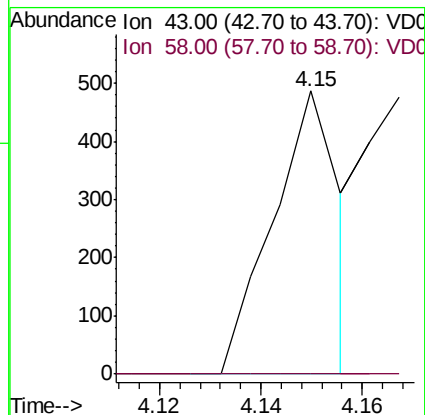
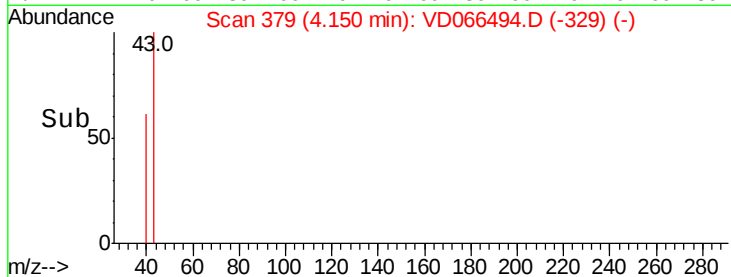
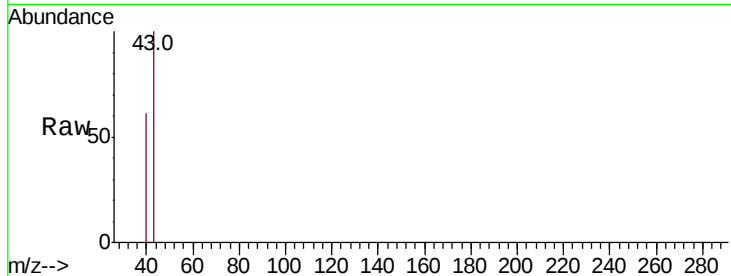
VD0901SBL01

Tot Ion: 43 Resp: 444

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: VD066494.D

Acq: 01 Sep 2020 14:22

Tgt Ion: 84 Resp: 6083

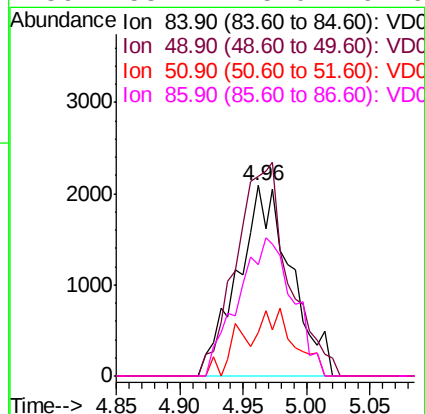
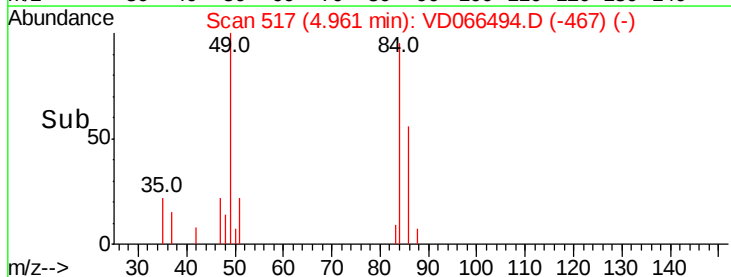
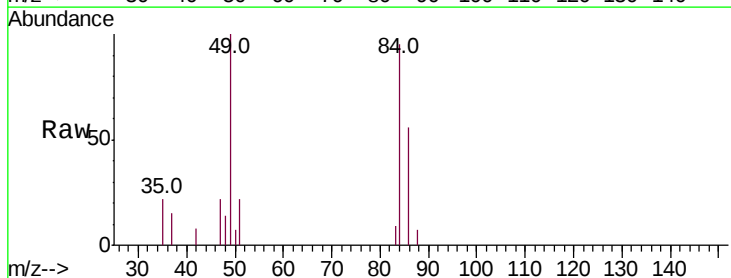
Ion Ratio Lower Upper

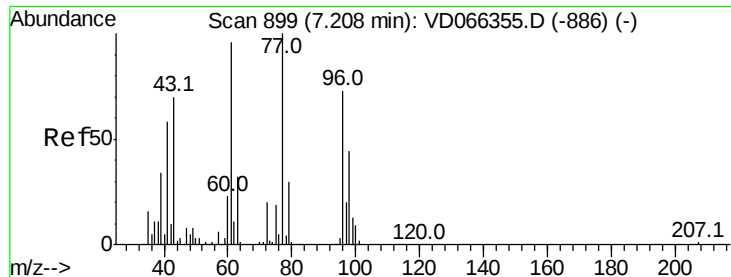
84 100

49 104.8 92.5 138.7

51 23.1 32.5 48.7#

86 58.4 45.0 67.6





#26

2,2-Dichloropropane

Concen: 1.080 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

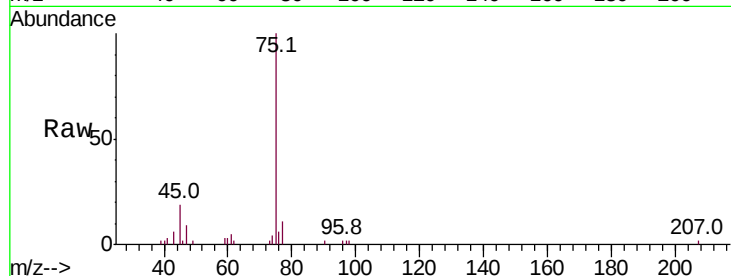
VD0901SBL01

Tot Ion: 77 Resp: 3367

Ion Ratio Lower Upper

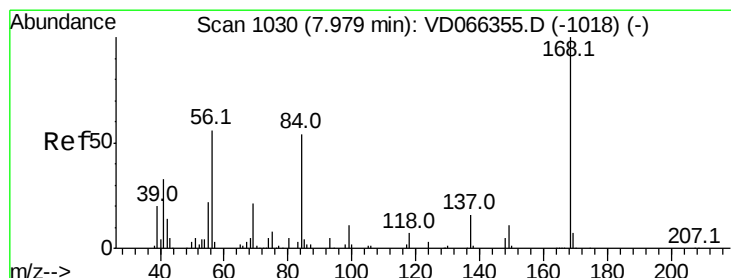
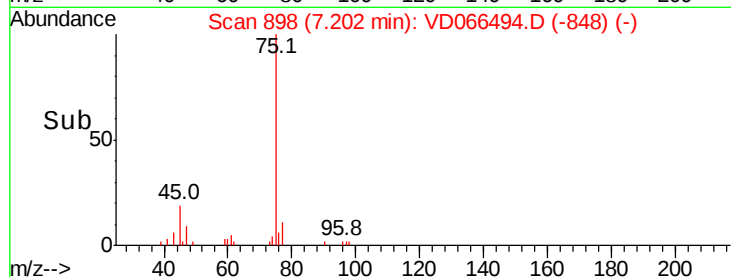
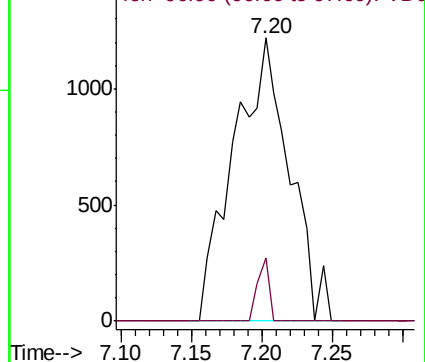
77 100

97 4.5 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#31

Cyclohexane

Concen: 2.104 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

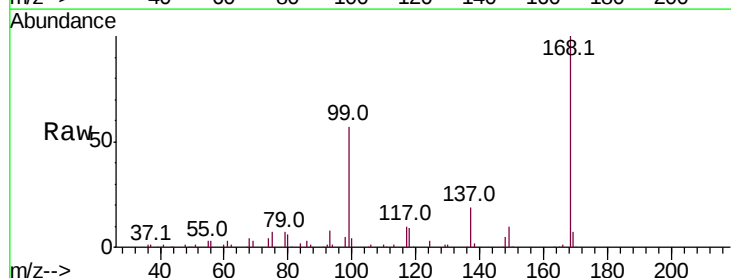
Tgt Ion: 56 Resp: 5597

Ion Ratio Lower Upper

56 100

69 90.0 29.6 44.4#

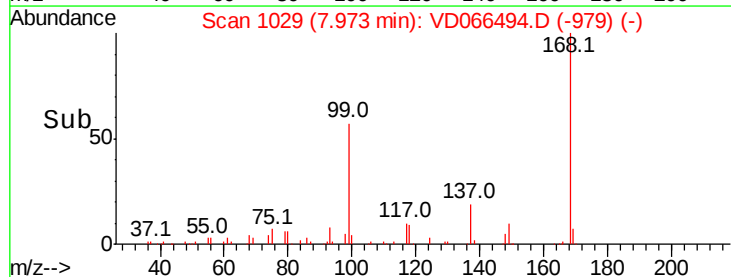
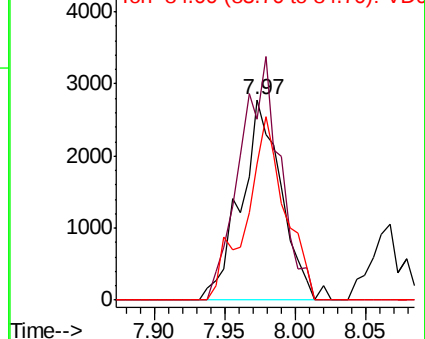
84 67.8 76.6 115.0#

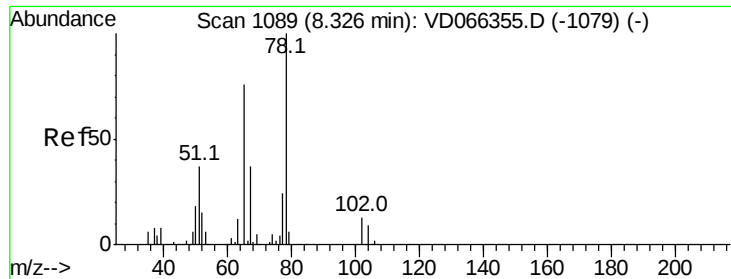


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.728 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

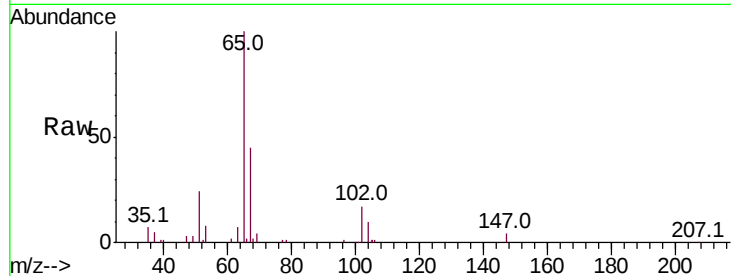
VD0901SBL01

Tot Ion: 65 Resp: 102927

Ion Ratio Lower Upper

65 100

67 45.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

20000

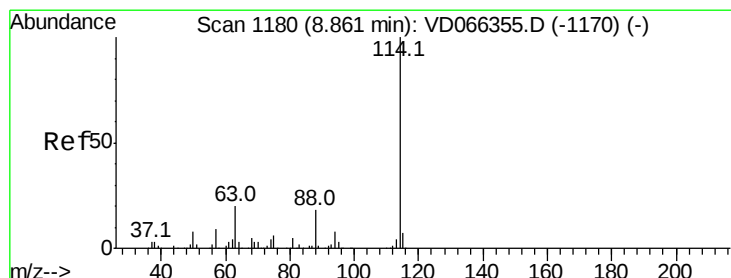
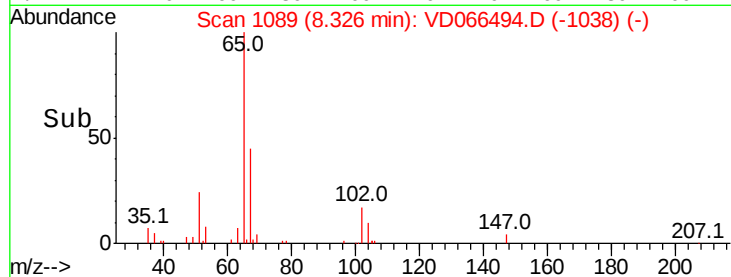
10000

0

8.30

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

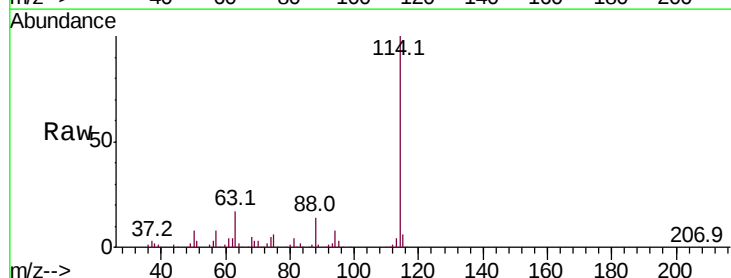
Tgt Ion: 114 Resp: 269467

Ion Ratio Lower Upper

114 100

63 17.2 0.0 40.8

88 14.1 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

100000

50000

0

8.75

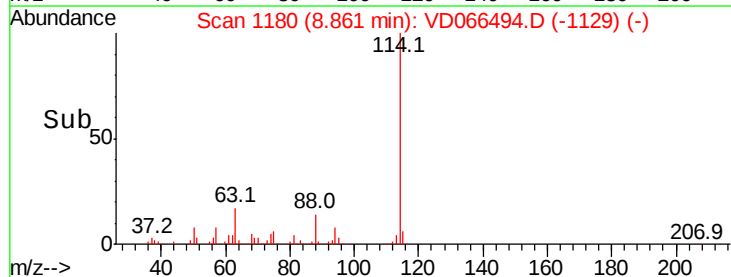
8.80

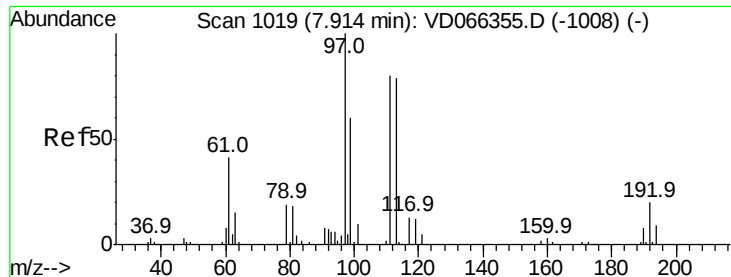
8.85

8.90

8.95

Time-->

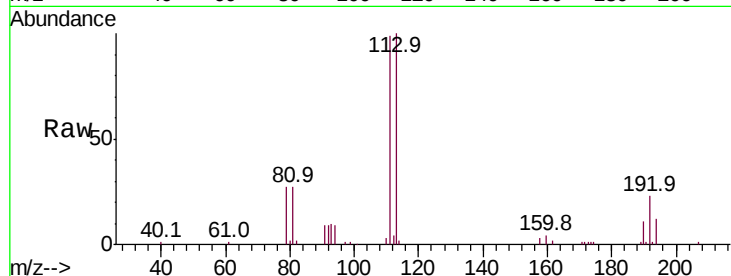




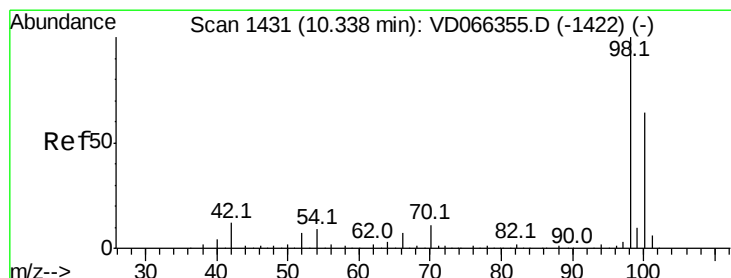
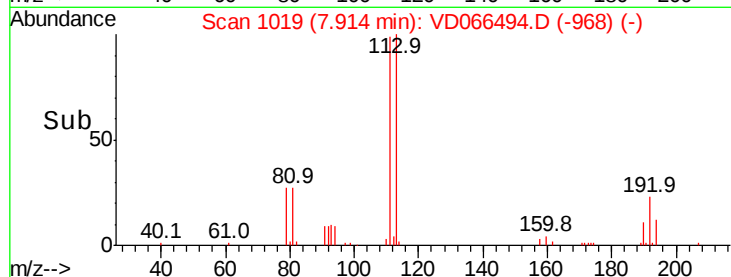
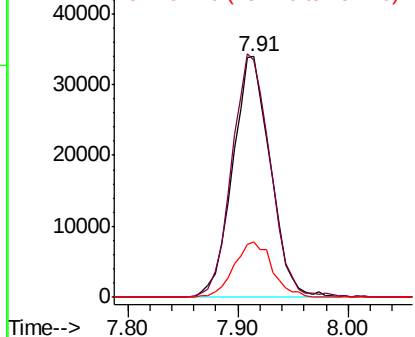
#35
Dibromofluoromethane
Concen: 48.295 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066494.D
Acq: 01 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBL01

Tot Ion:113 Resp: 81377
Ion Ratio Lower Upper
113 100
111 102.8 80.3 120.5
192 23.4 19.0 28.6

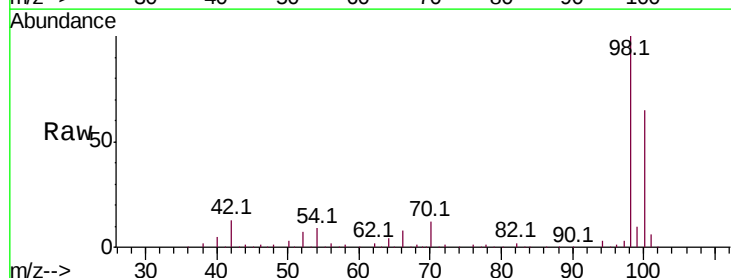


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

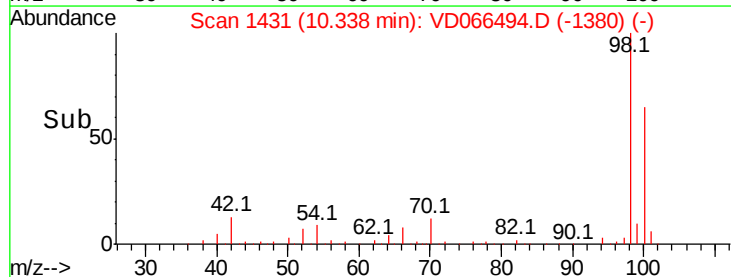
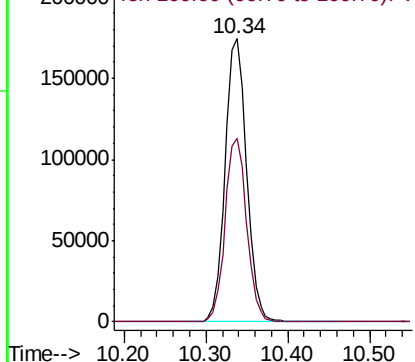


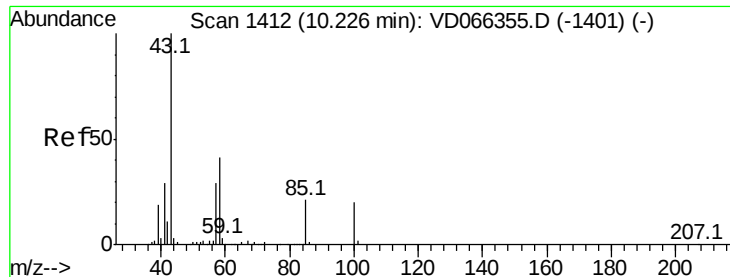
#50
Toluene-d8
Concen: 51.874 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066494.D
Acq: 01 Sep 2020 14:22

Tgt Ion: 98 Resp: 319812
Ion Ratio Lower Upper
98 100
100 65.1 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: 1.655 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

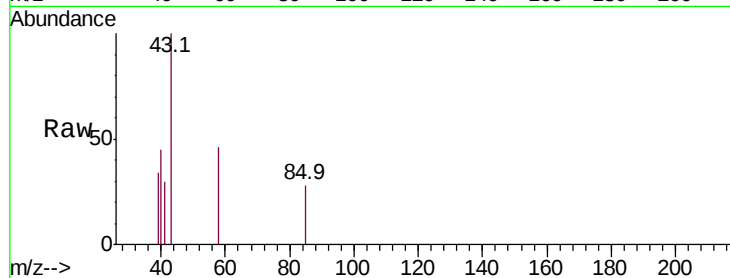
VD0901SBL01

Tot Ion: 43 Resp: 1344

Ion Ratio Lower Upper

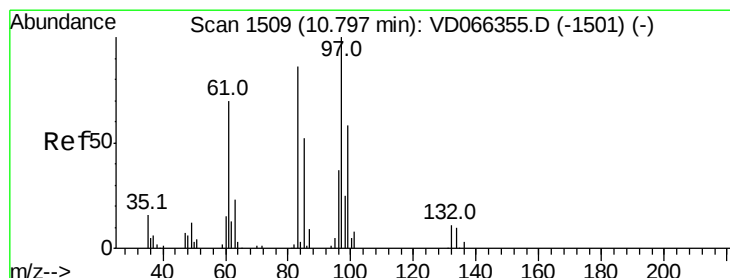
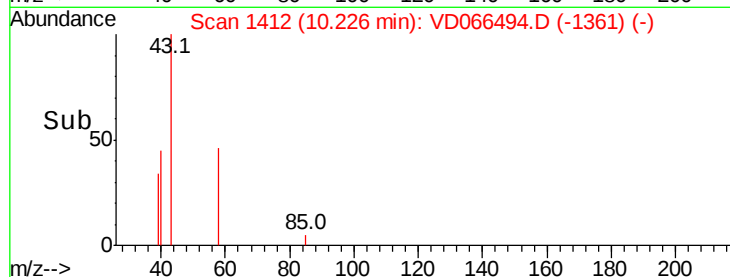
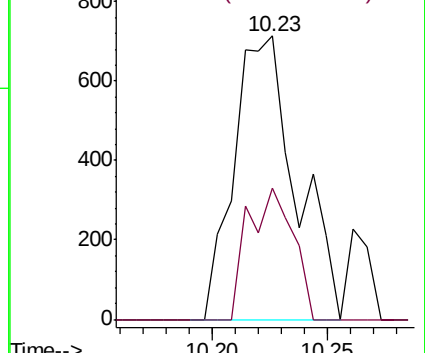
43 100

58 33.4 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#55

1,1,2-Trichloroethane

Concen: 1.049 ug/l

RT: 10.73 min Scan# 1497

Delta R.T. -0.07 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Tgt Ion: 97 Resp: 1297

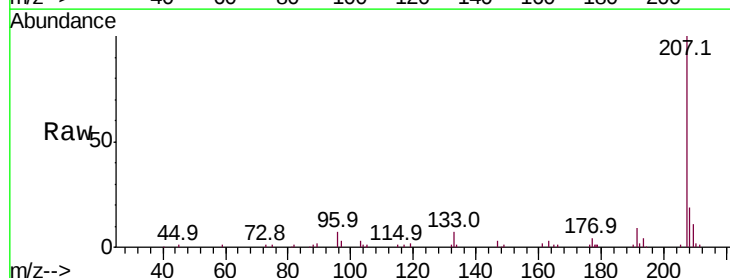
Ion Ratio Lower Upper

97 100

83 0.0 68.4 102.6#

85 0.0 41.3 61.9#

99 0.0 46.1 69.1#

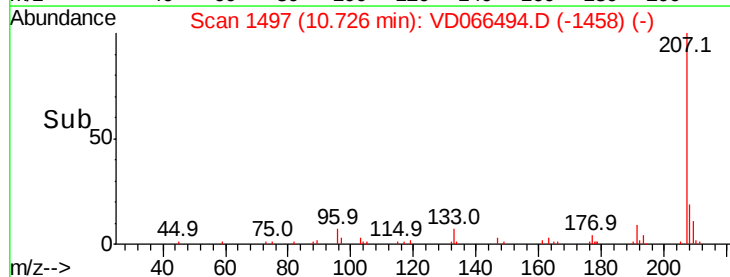
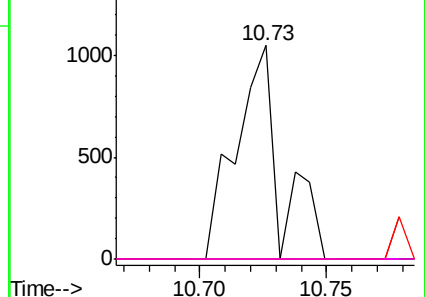


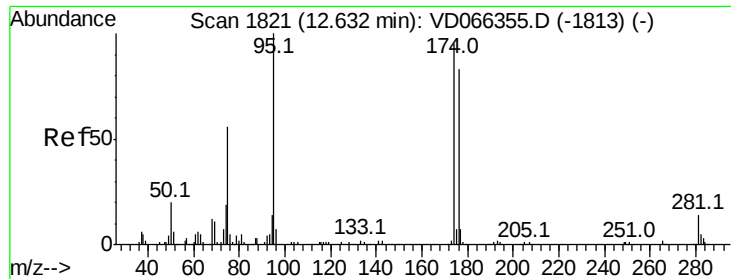
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

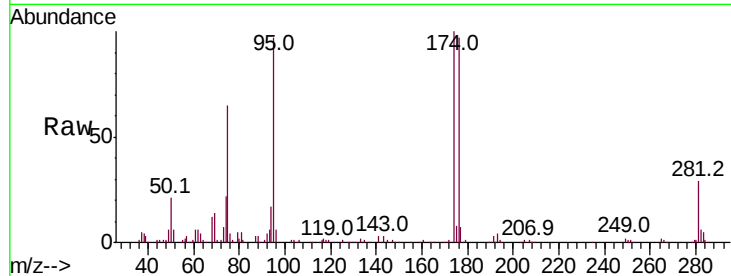




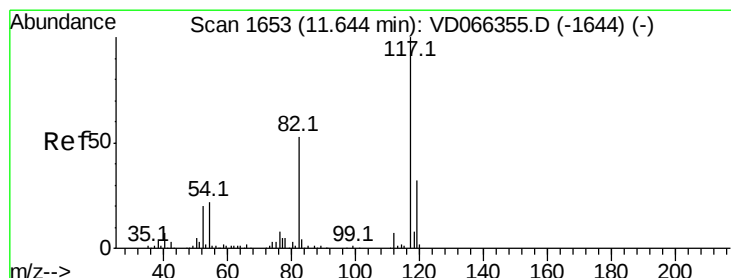
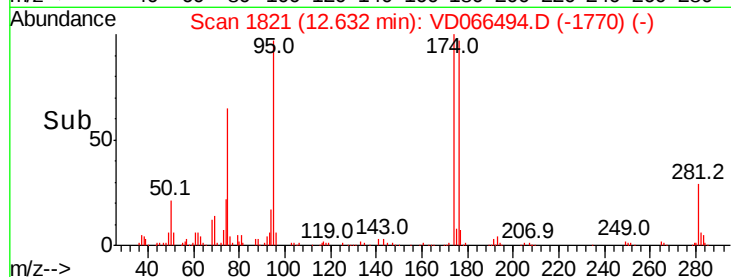
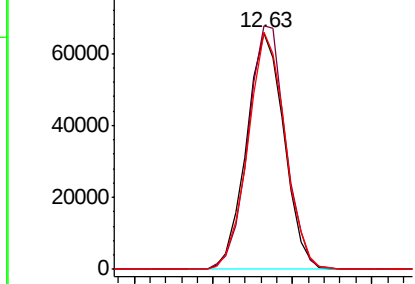
#62
4-Bromofluorobenzene
Concen: 49.374 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066494.D
Acq: 01 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBL01

Tot Ion: 95 Resp: 108015
Ion Ratio Lower Upper
95 100
174 102.6 0.0 183.4
176 99.1 0.0 173.8

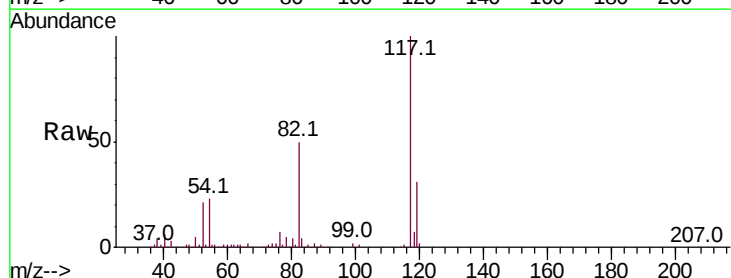


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

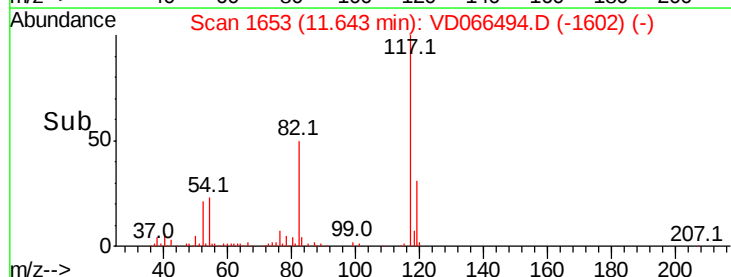
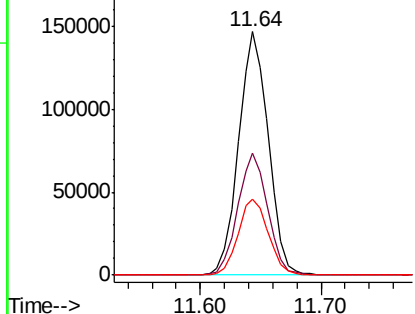


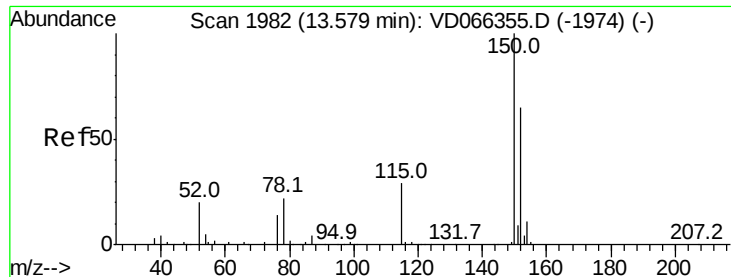
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066494.D
Acq: 01 Sep 2020 14:22

Tgt Ion: 117 Resp: 251186
Ion Ratio Lower Upper
117 100
82 50.1 42.8 64.2
119 31.4 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBL01

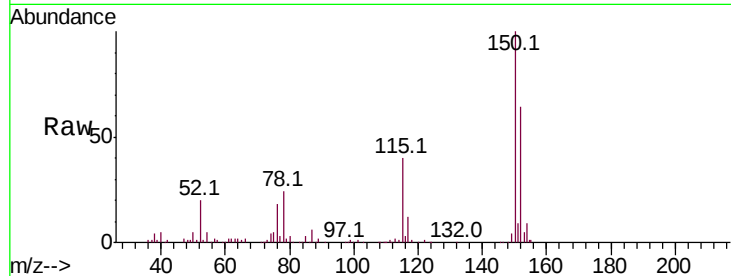
Tot Ion:152 Resp: 131375

Ion Ratio Lower Upper

152 100

115 58.7 28.3 85.0

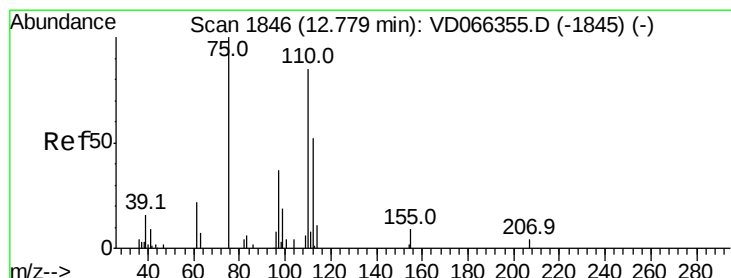
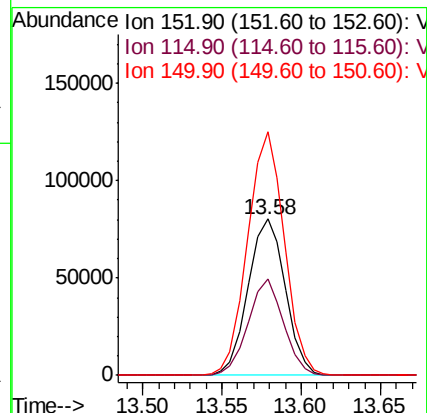
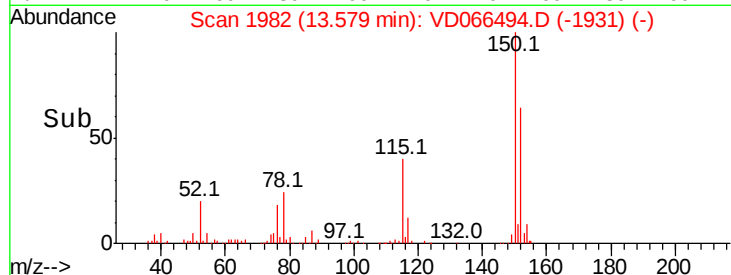
150 153.2 0.0 343.2



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: 73.990 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066494.D

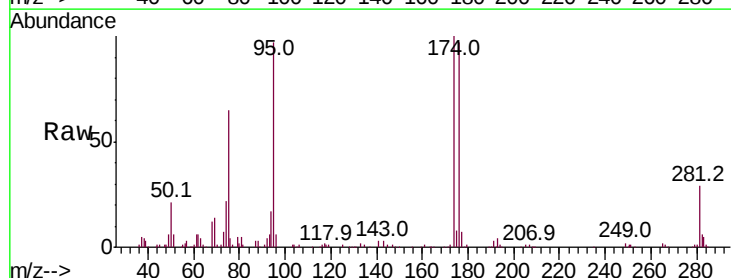
Acq: 01 Sep 2020 14:22

Tgt Ion: 75 Resp: 68384

Ion Ratio Lower Upper

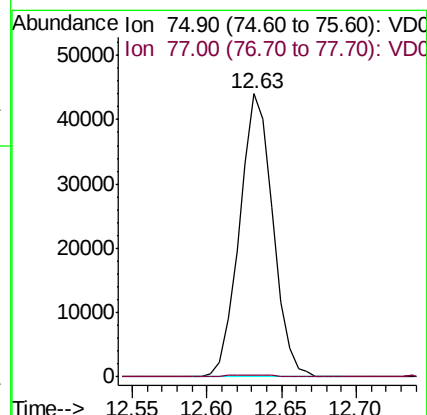
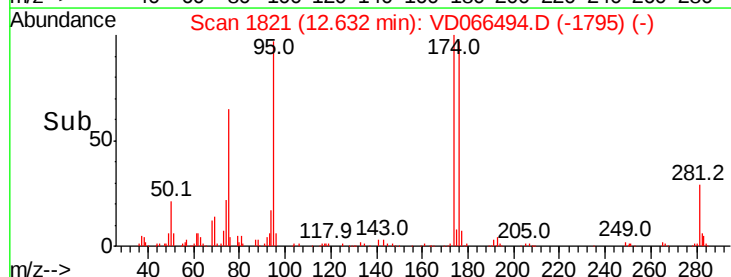
75 100

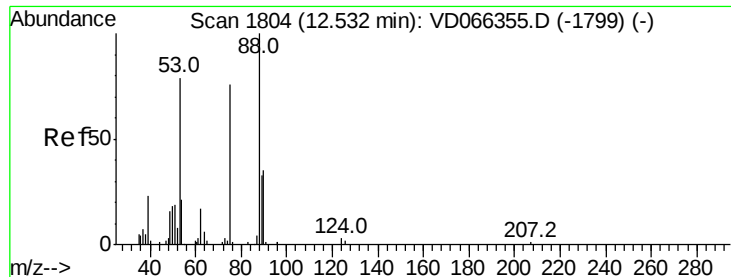
77 0.8 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 157.058 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066494.D

Acq: 01 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBL01

Tot Ion: 75 Resp: 68384

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

89 0.1 39.4 59.0#

