

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066391.D
 Acq On : 24 Aug 2020 19:54
 Operator : VA/SY
 Sample : L3786-07
 Misc : 5.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1994

Quant Time: Aug 25 02:43:49 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	240646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	384975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	342594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136905	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	135423	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	7.91	113	122758	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
50) Toluene-d8	10.33	98	442863	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.63	95	146348	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.64%	

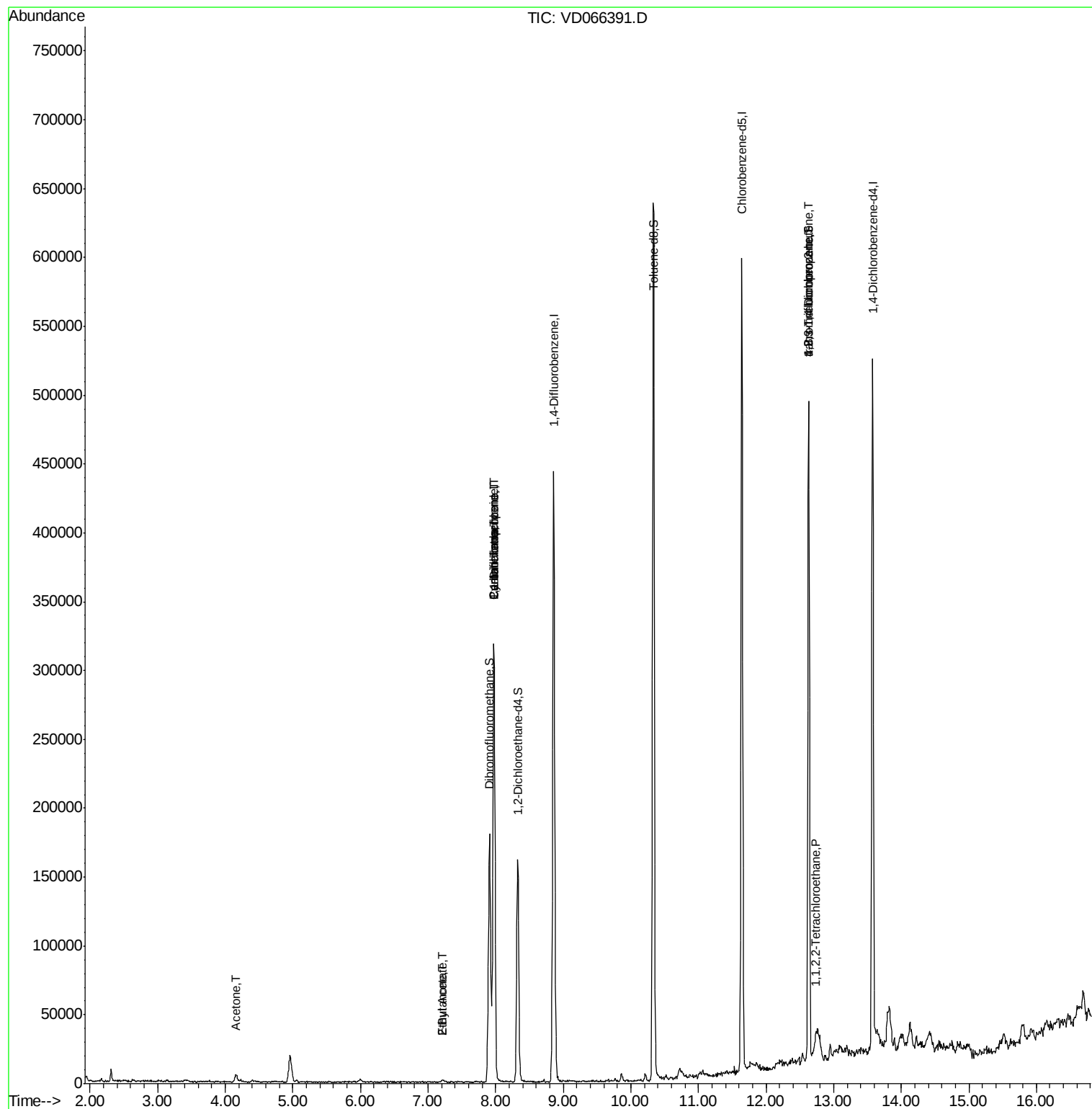
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	331	Below Cal	#	71
16) Acetone	4.16	43	9080	21.348	ug/l	91
25) 2-Butanone	7.21	43	2379	4.927	ug/l	93
31) Cyclohexane	7.97	56	4769	1.456	ug/l #	42
36) 1,1-Dichloropropene	7.97	75	17073	4.860	ug/l #	50
37) Ethyl Acetate	7.21	43	2379	1.991	ug/l #	67
38) Carbon Tetrachloride	7.97	117	24054	5.256	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.73	83	1438	1.098	ug/l #	43
76) 1,2,3-Trichloropropane	12.63	75	78234	81.229	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	78234	172.422	ug/l #	6

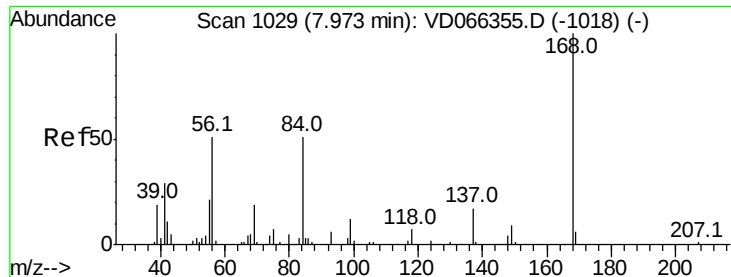
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleId :

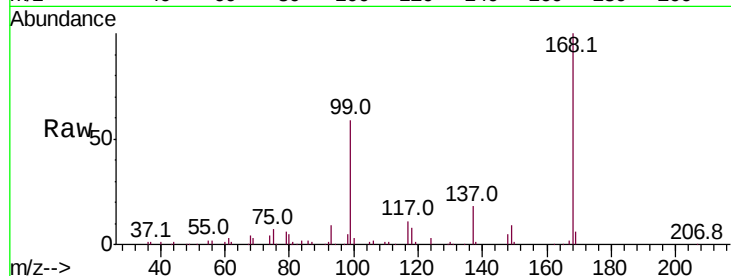
1994

Tot Ion:168 Resp: 240646

Ion Ratio Lower Upper

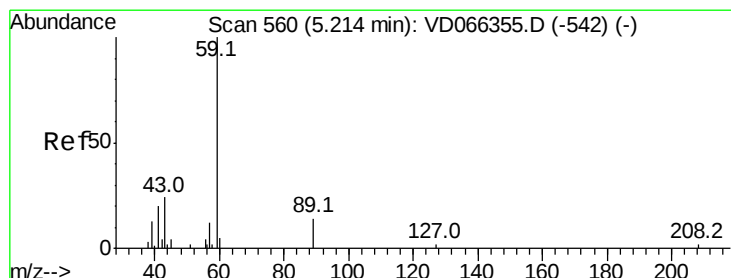
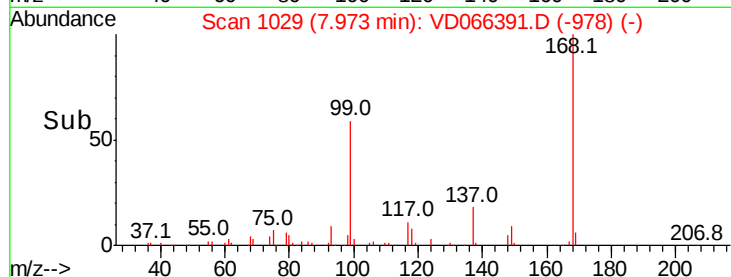
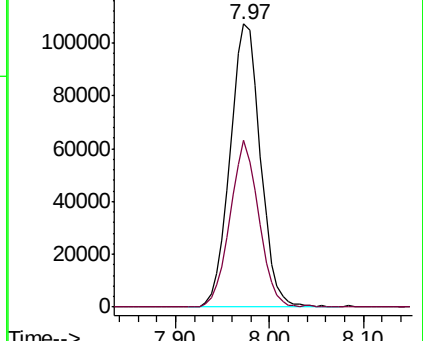
168 100

99 58.8 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: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066391.D

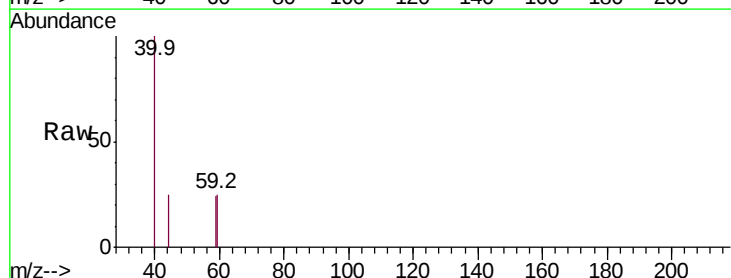
Acq: 24 Aug 2020 19:54

Tgt Ion: 59 Resp: 331

Ion Ratio Lower Upper

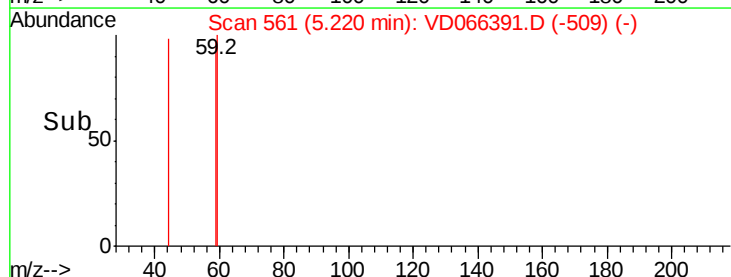
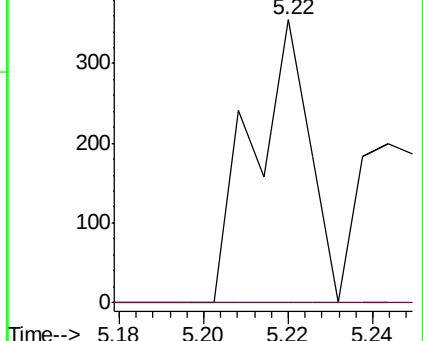
59 100

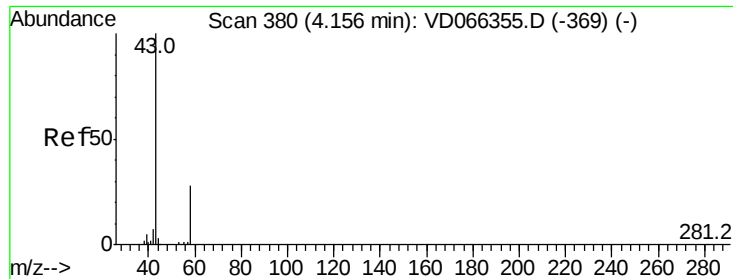
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 21.348 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleId :

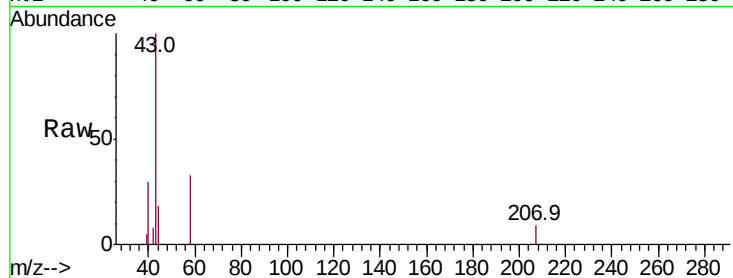
1994

Tot Ion: 43 Resp: 9080

Ion Ratio Lower Upper

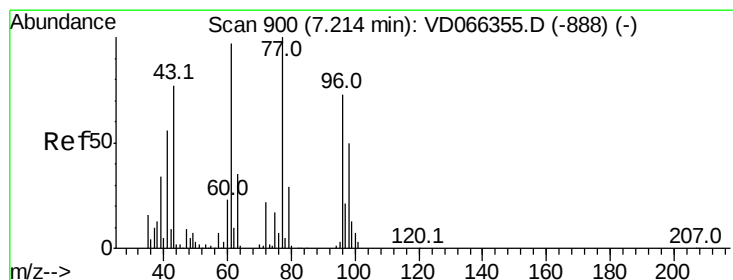
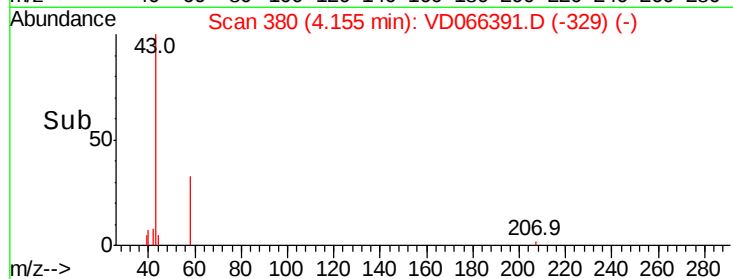
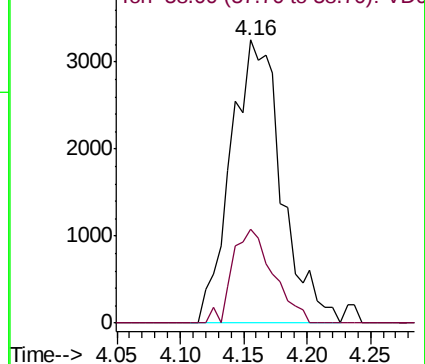
43 100

58 33.2 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 4.927 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066391.D

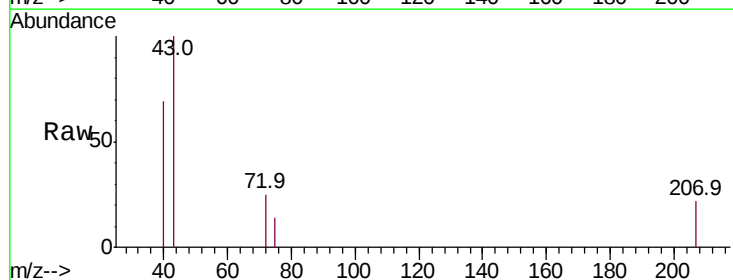
Acq: 24 Aug 2020 19:54

Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

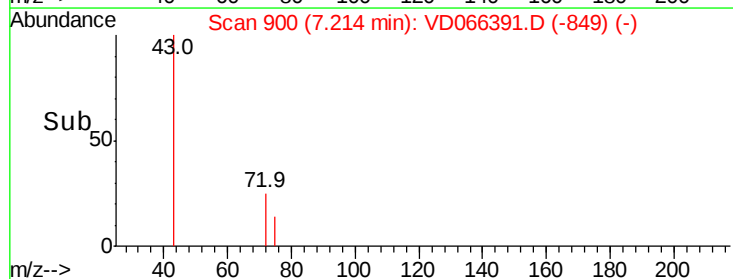
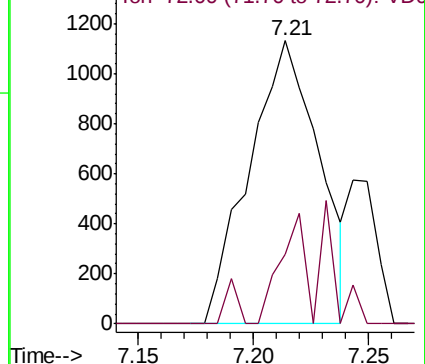
43 100

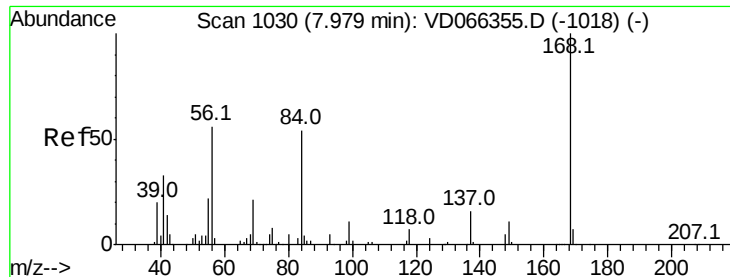
72 24.6 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

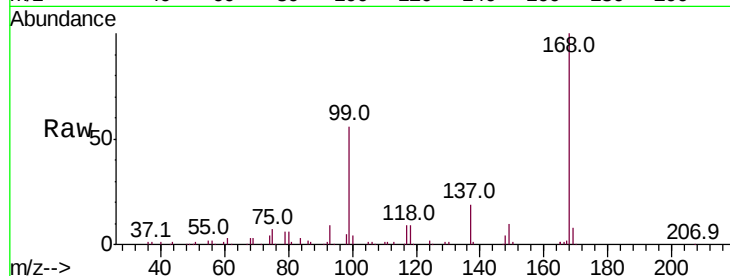




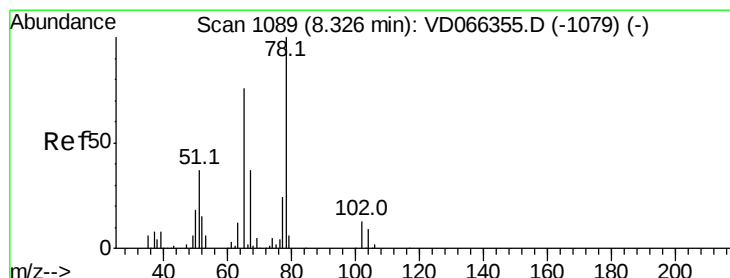
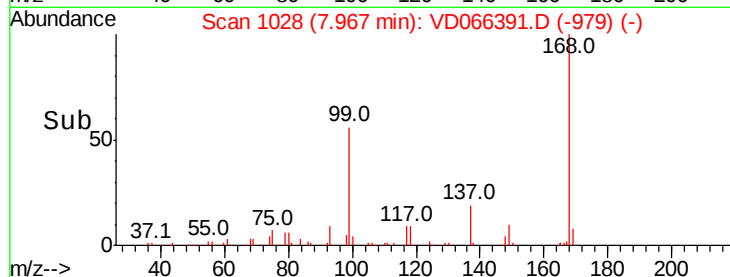
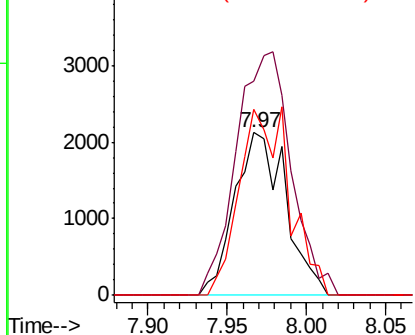
#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066391.D
Acq: 24 Aug 2020 19:54

Instrument :
MSVOA_D
ClientSampleId :
1994

Tot Ion: 56 Resp: 4769
Ion Ratio Lower Upper
56 100
69 131.9 29.6 44.4#
84 114.2 76.6 115.0

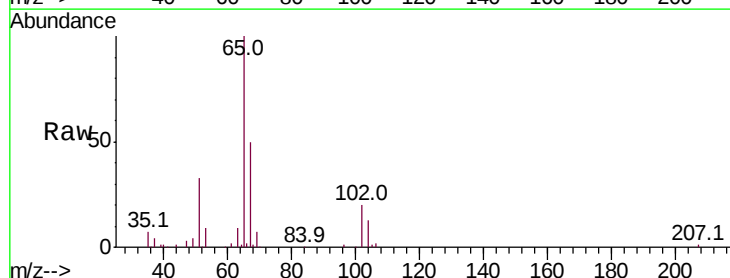


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

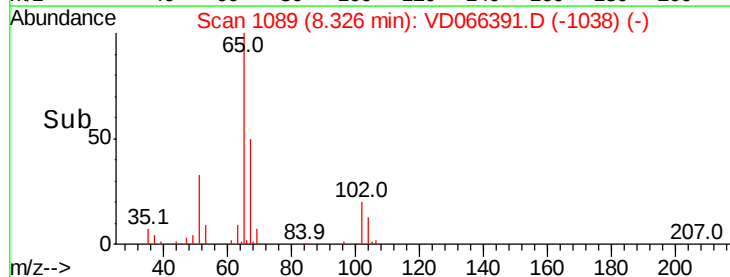
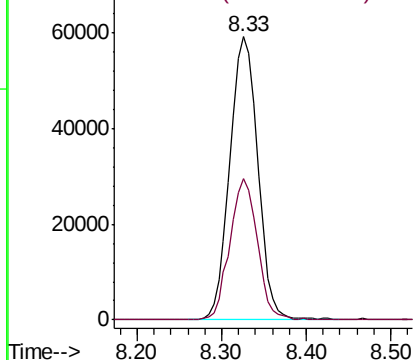


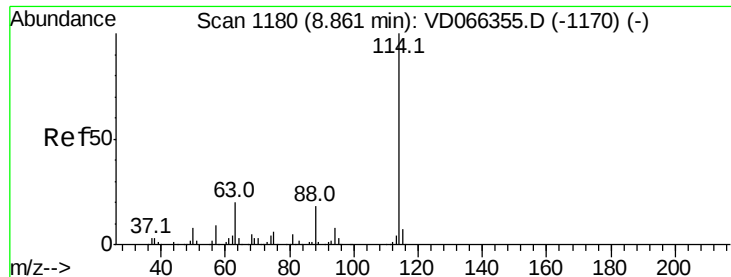
#33
1,2-Dichloroethane-d4
Concen: 57.400 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066391.D
Acq: 24 Aug 2020 19:54

Tgt Ion: 65 Resp: 135423
Ion Ratio Lower Upper
65 100
67 48.6 0.0 101.6



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: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleId :

1994

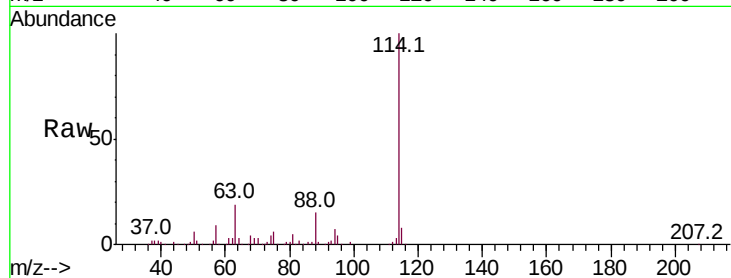
Tot Ion:114 Resp: 384975

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

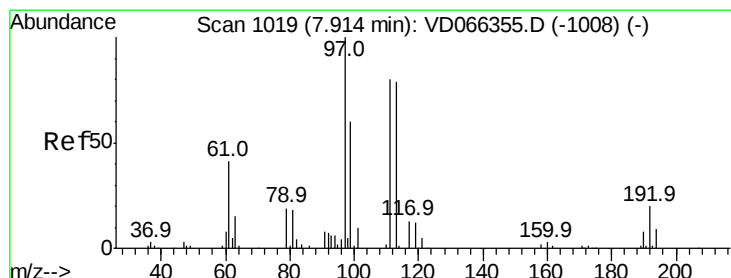
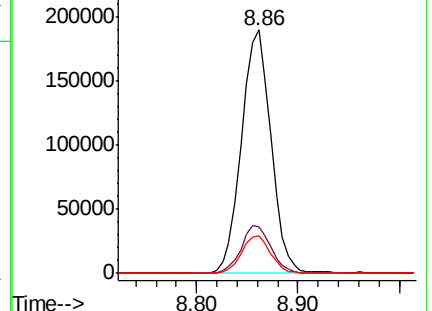
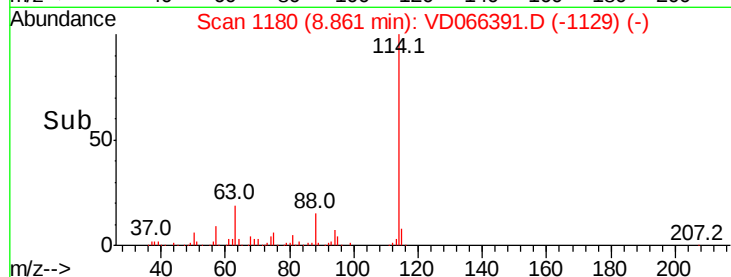
88 15.5 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.994 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

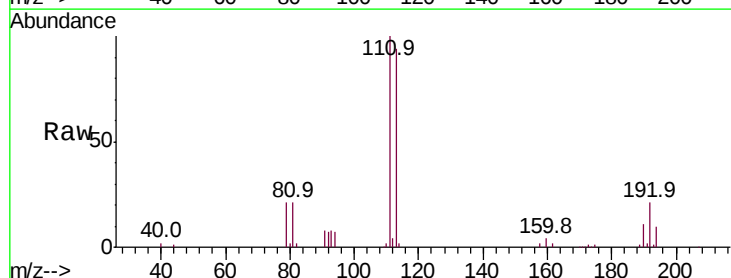
Tgt Ion:113 Resp: 122758

Ion Ratio Lower Upper

113 100

111 102.9 80.3 120.5

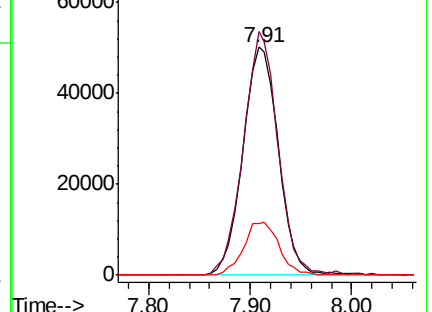
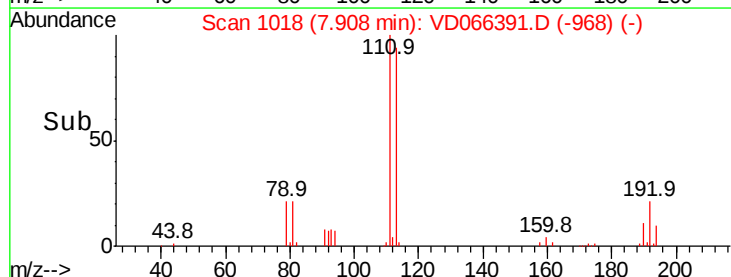
192 23.0 19.0 28.6

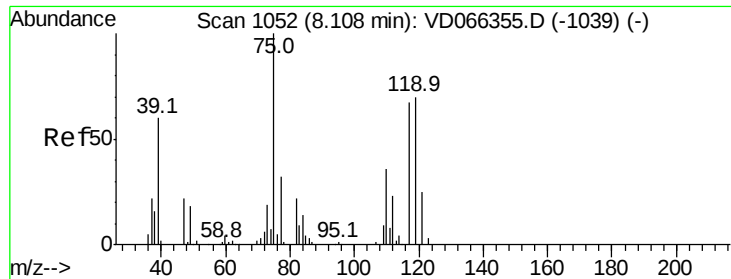


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.860 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleID :

1994

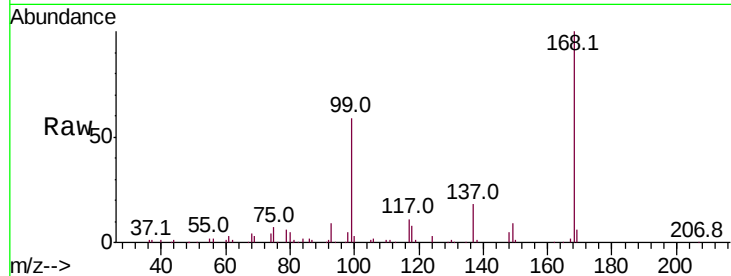
Tot Ion: 75 Resp: 17073

Ion Ratio Lower Upper

75 100

110 11.1 18.7 56.1#

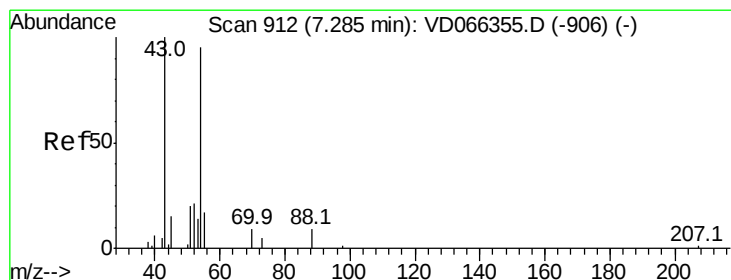
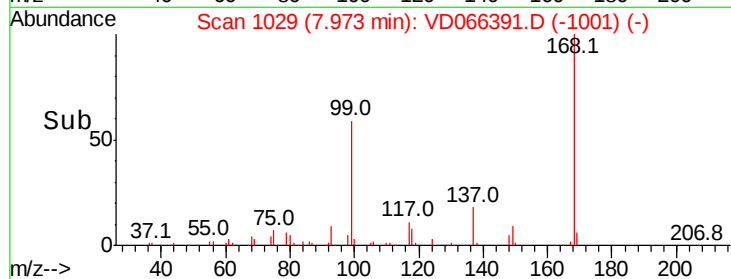
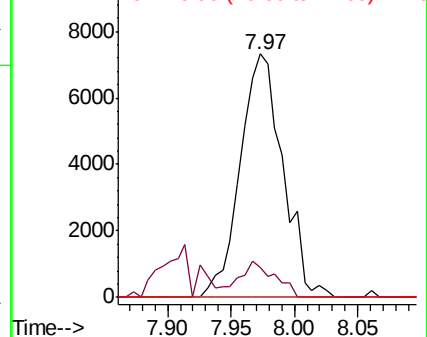
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.991 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.07 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

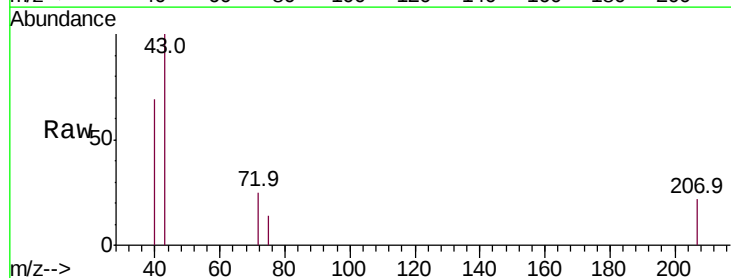
Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

61 0.0 13.3 19.9#

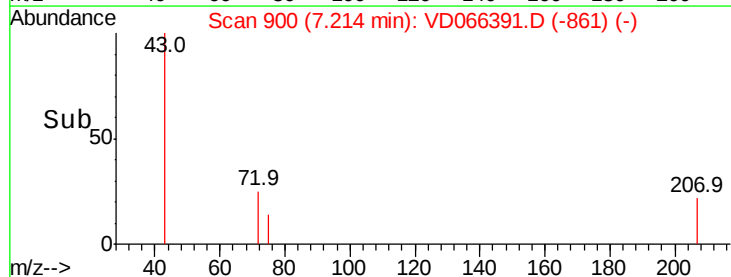
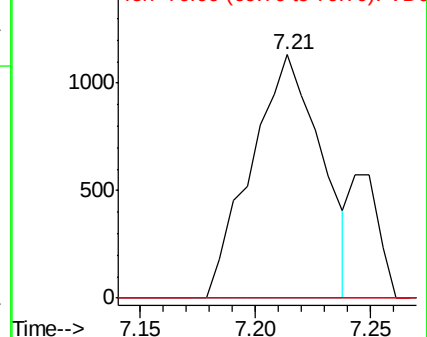
70 0.0 3.5 5.3#

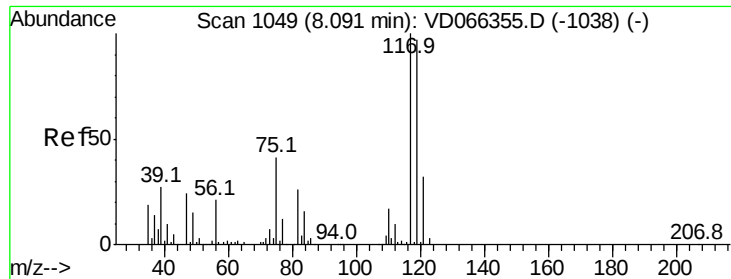


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.256 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleId :

1994

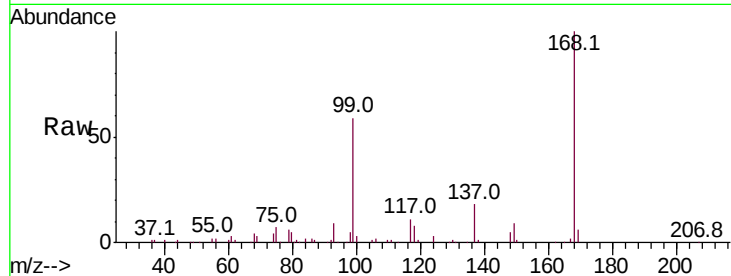
Tot Ion:117 Resp: 24054

Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

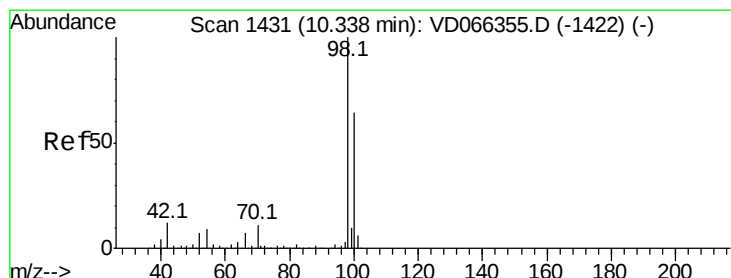
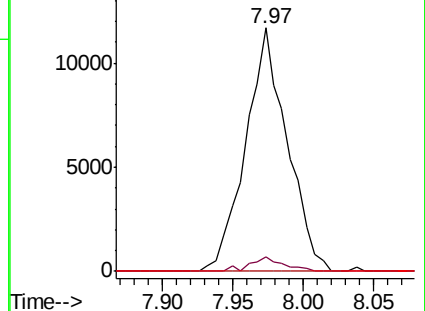
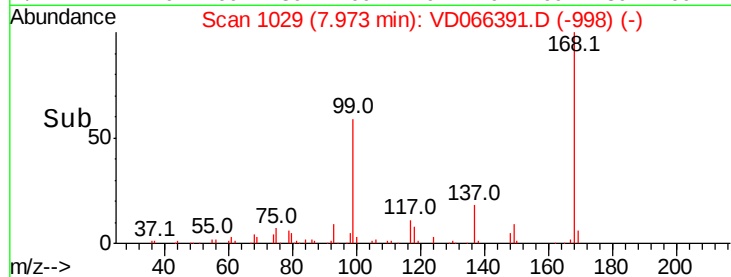
121 0.0 25.8 38.8#



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: 50.280 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066391.D

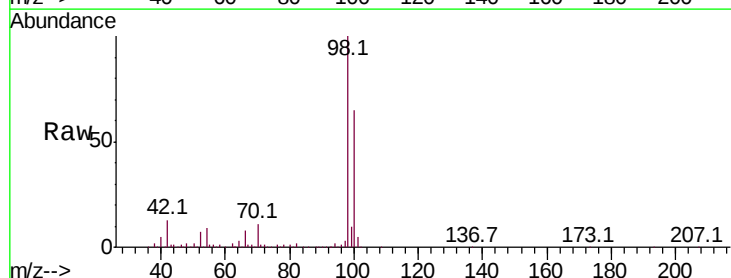
Acq: 24 Aug 2020 19:54

Tgt Ion: 98 Resp: 442863

Ion Ratio Lower Upper

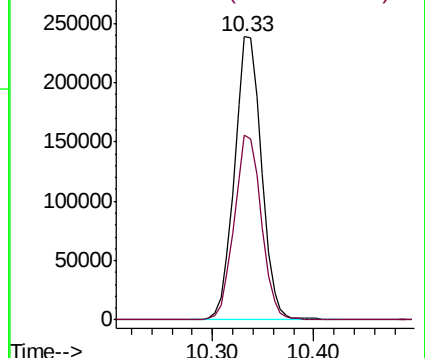
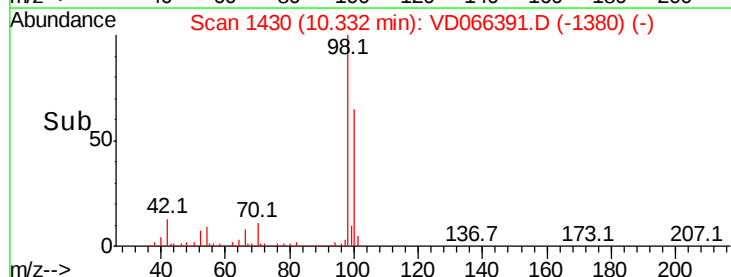
98 100

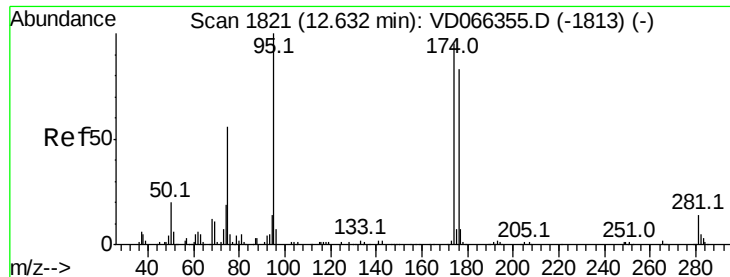
100 65.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

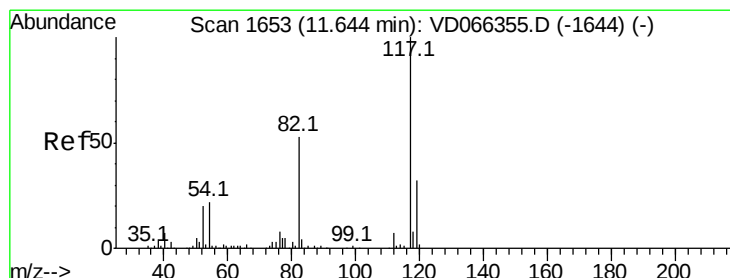
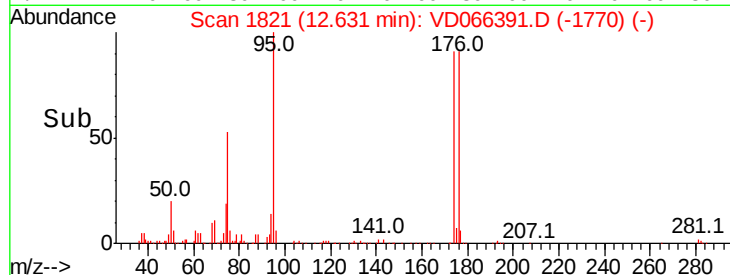
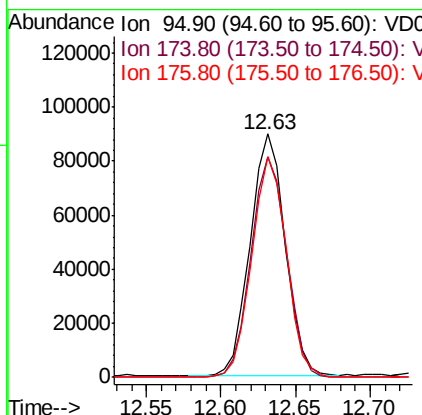
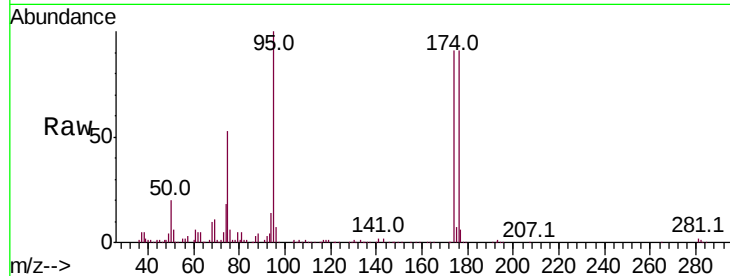




#62
4-Bromofluorobenzene
Concen: 46.825 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066391.D
Acq: 24 Aug 2020 19:54

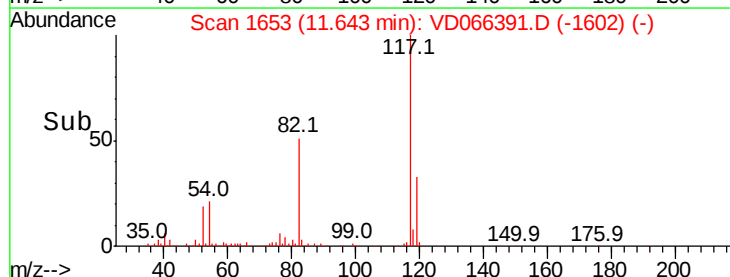
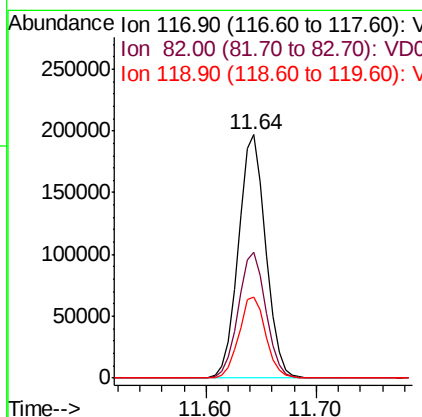
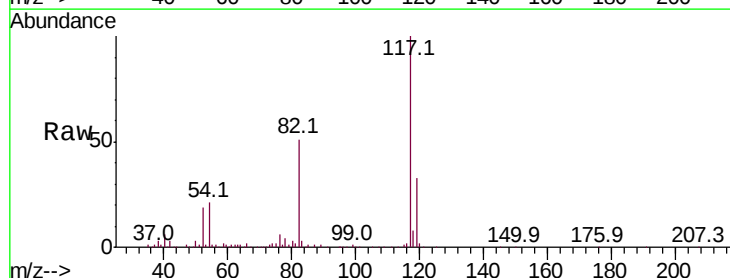
Instrument :
MSVOA_D
ClientSampleId :
1994

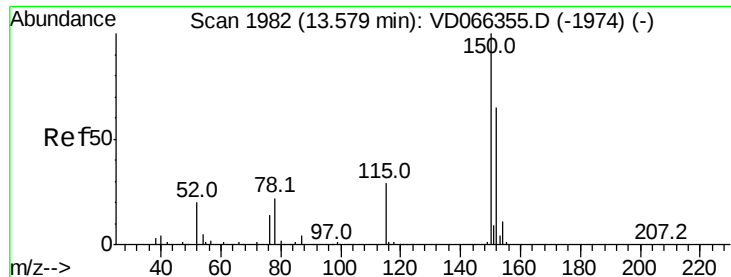
Tot Ion: 95 Resp: 146348
Ion Ratio Lower Upper
95 100
174 92.1 0.0 183.4
176 88.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066391.D
Acq: 24 Aug 2020 19:54

Tgt Ion: 117 Resp: 342594
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 33.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleId :

1994

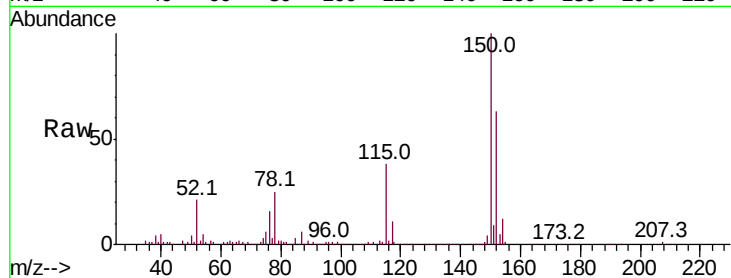
Tot Ion:152 Resp: 136905

Ion Ratio Lower Upper

152 100

115 57.9 28.3 85.0

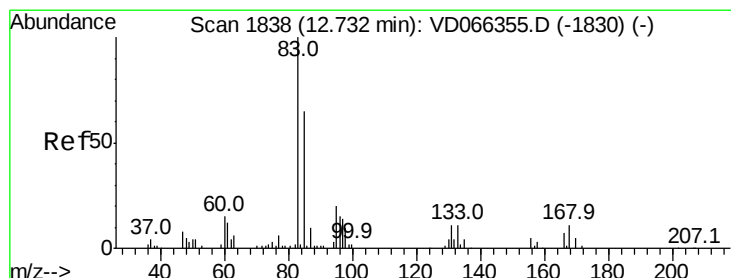
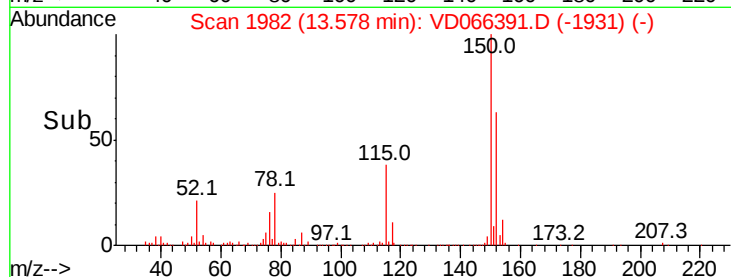
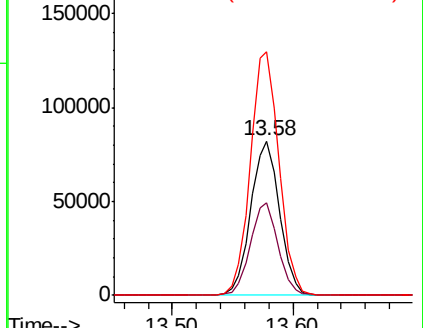
150 155.9 0.0 343.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.098 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

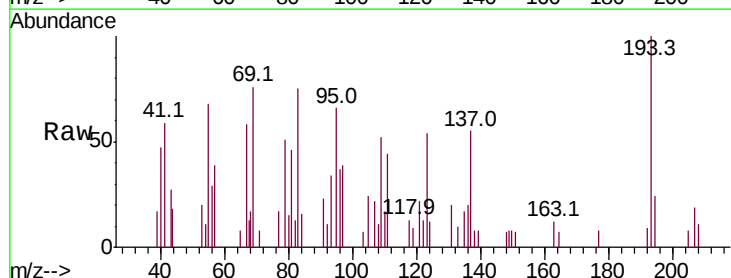
Tgt Ion: 83 Resp: 1438

Ion Ratio Lower Upper

83 100

131 22.3 7.0 20.9#

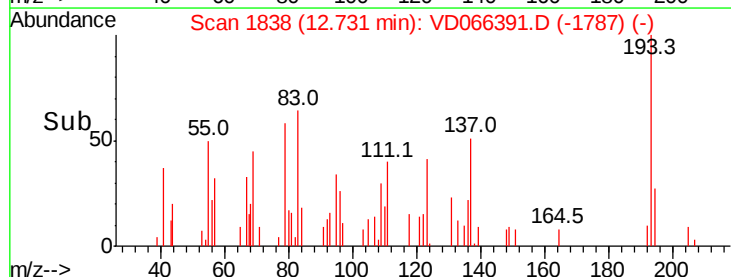
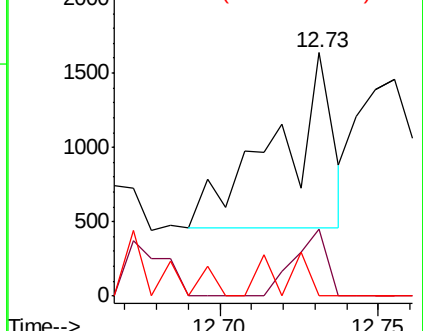
85 14.2 32.4 97.0#

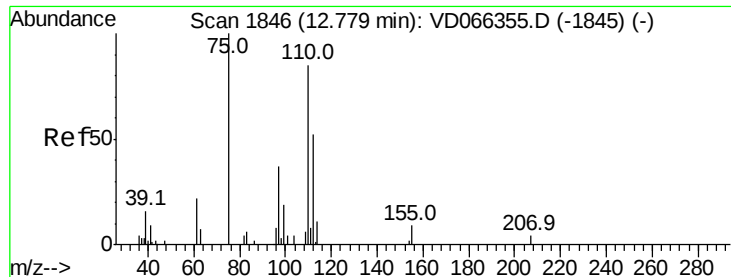


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 81.229 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

Instrument :

MSVOA_D

ClientSampleId :

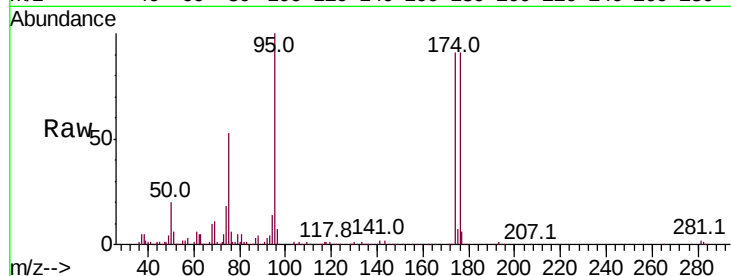
1994

Tot Ion: 75 Resp: 78234

Ion Ratio Lower Upper

75 100

77 4.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

50000

40000

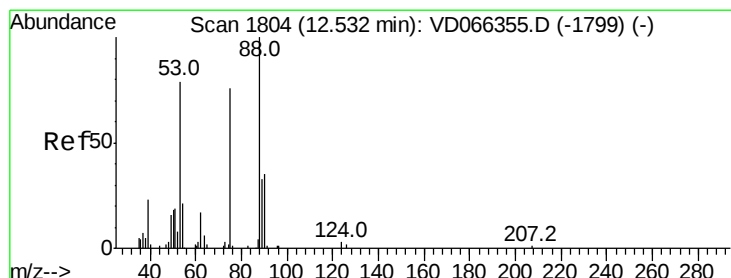
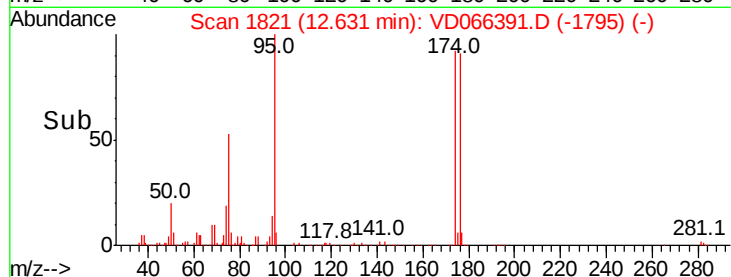
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 172.422 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066391.D

Acq: 24 Aug 2020 19:54

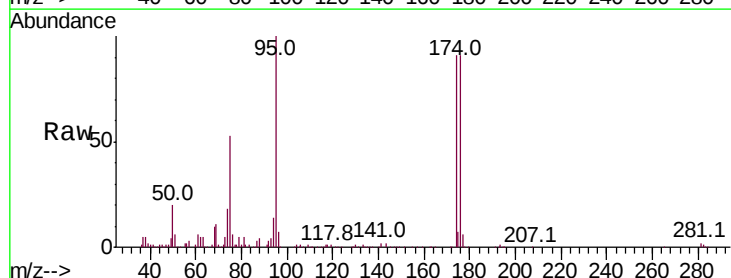
Tgt Ion: 75 Resp: 78234

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.2#

89 0.0 39.4 59.0#



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

12.63

60000

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

