

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066777.D
 Acq On : 18 Sep 2020 20:16
 Operator : VA/SY
 Sample : L3871-13RE
 Misc : 5.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-091720

Quant Time: Sep 19 03:17:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	327040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	584964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	598755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262361	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	215682	61.81	ug/l	0.00
Spiked Amount			Recovery	=	123.62%	
35) Dibromofluoromethane	7.91	113	202462	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
50) Toluene-d8	10.34	98	731890	57.28	ug/l	0.00
Spiked Amount			Recovery	=	114.56%	
62) 4-Bromofluorobenzene	12.63	95	248923	56.44	ug/l	0.00
Spiked Amount			Recovery	=	112.88%	

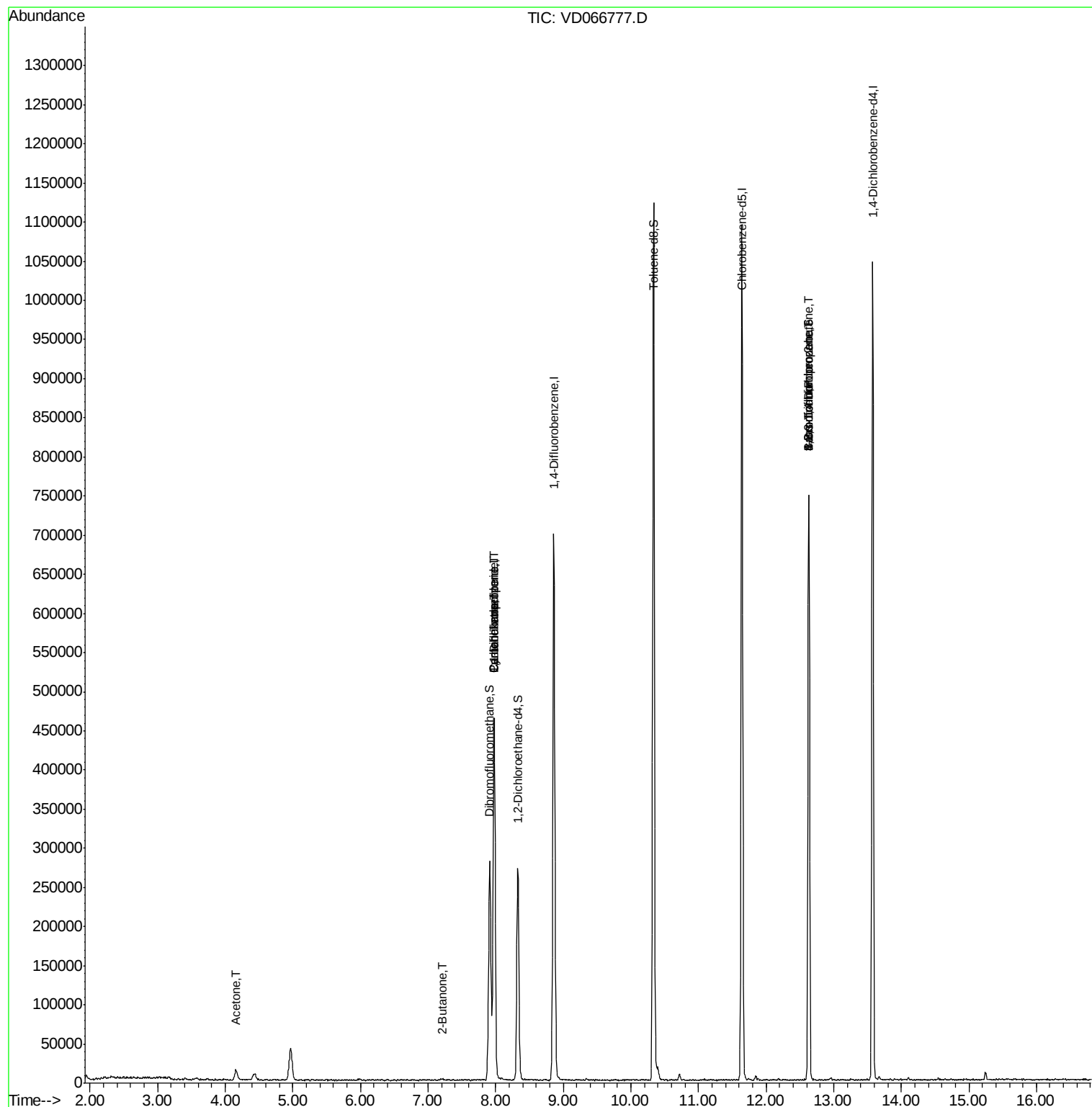
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	125	Below Cal	#	43
16) Acetone	4.16	43	24236	34.108	ug/l	91
18) Methyl Acetate	4.74	43	60	Below Cal	#	52
25) 2-Butanone	7.21	43	2120	2.291	ug/l	90
31) Cyclohexane	7.97	56	8278	1.343	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	29980	4.985	ug/l #	51
38) Carbon Tetrachloride	7.98	117	35802	5.606	ug/l #	17
71) Bromoform	12.63	173	2306	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	135284	60.241	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	135284	130.011	ug/l #	8

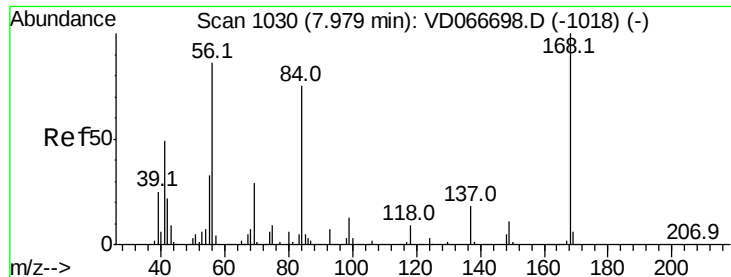
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091820\
Data File : VD066777.D
Acq On : 18 Sep 2020 20:16
Operator : VA/SY
Sample : L3871-13RE
Misc : 5.64G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

Quant Time: Sep 19 03:17:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 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: VD066777.D

Acq: 18 Sep 2020 20:16

Instrument :

MSVOA_D

ClientSampleId :

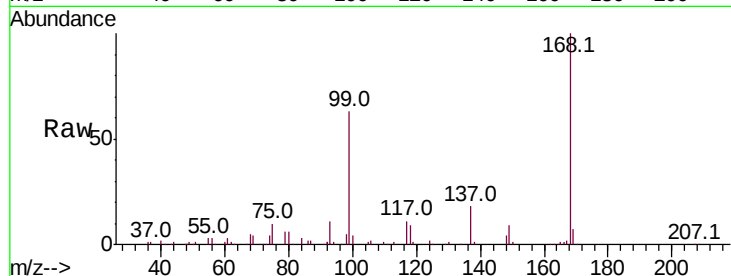
TR-05-091720

Tot Ion:168 Resp: 327040

Ion Ratio Lower Upper

168 100

99 62.5 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

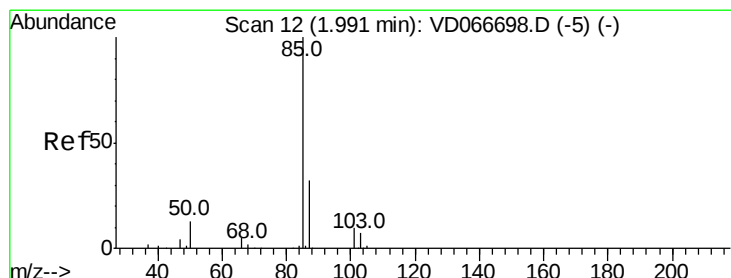
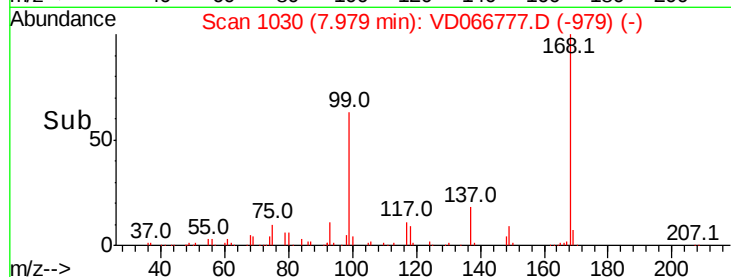
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066777.D

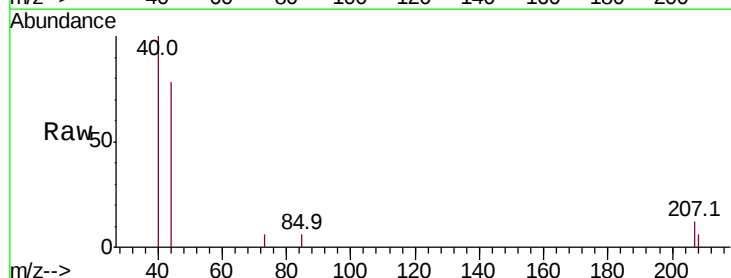
Acq: 18 Sep 2020 20:16

Tgt Ion: 85 Resp: 125

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200

150

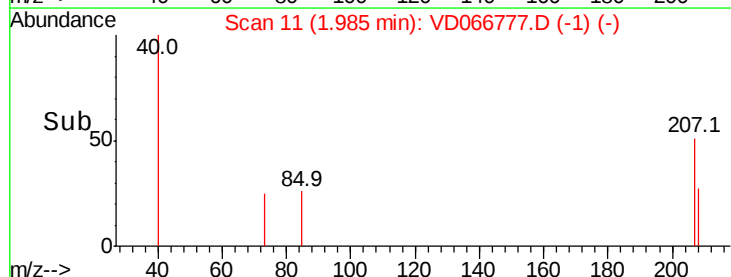
100

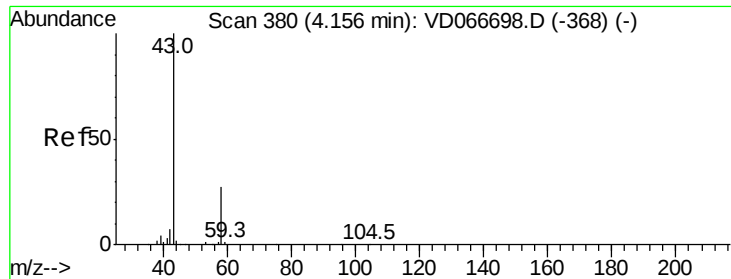
50

0

Time-->

1.96 1.98 2.00





#16

Acetone

Concen: 34.108 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

Instrument :

MSVOA_D

ClientSampleId :

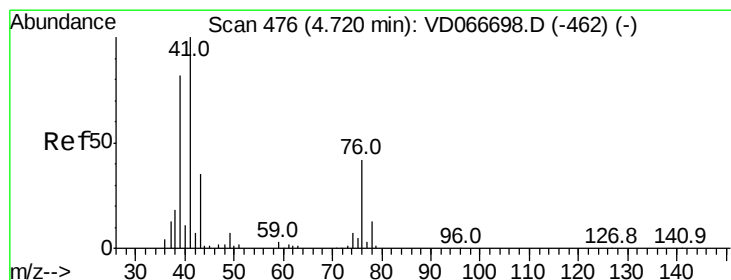
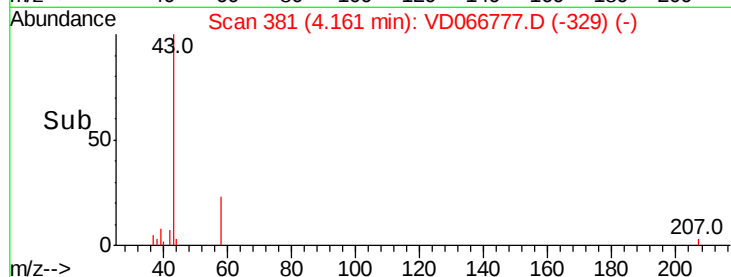
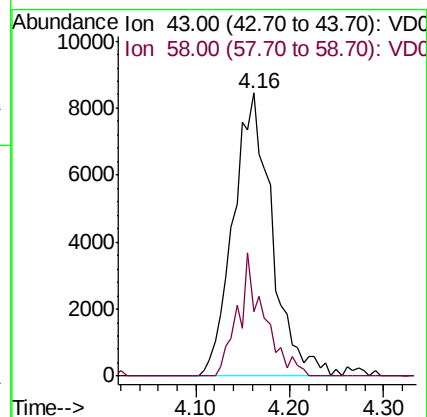
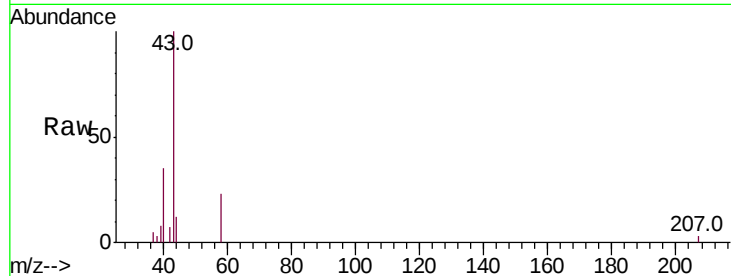
TR-05-091720

Tot Ion: 43 Resp: 24236

Ion Ratio Lower Upper

43 100

58 22.7 21.9 32.9



#18

Methyl Acetate

Concen: Below Cal

RT: 4.74 min Scan# 479

Delta R.T. 0.02 min

Lab File: VD066777.D

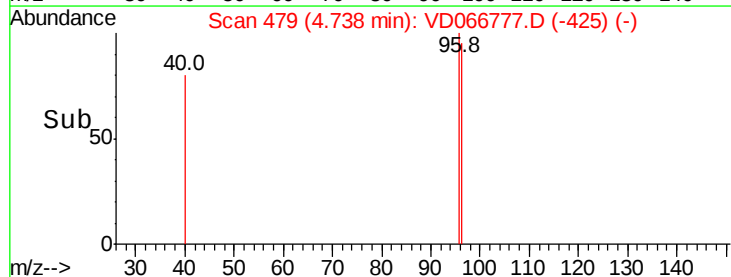
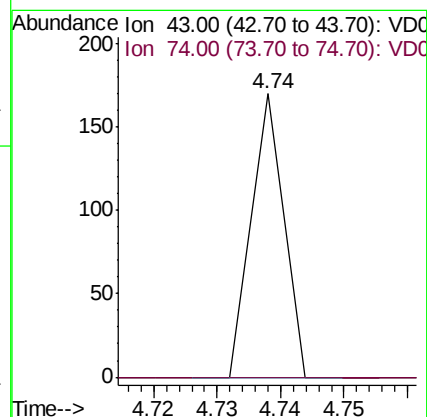
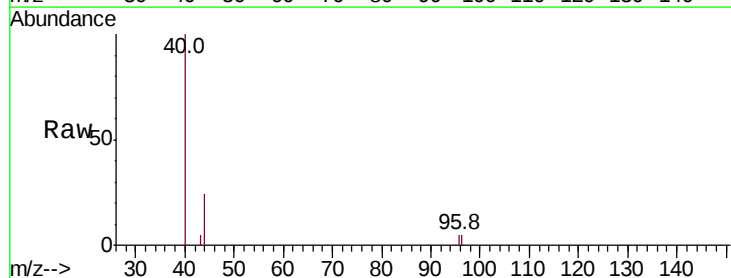
Acq: 18 Sep 2020 20:16

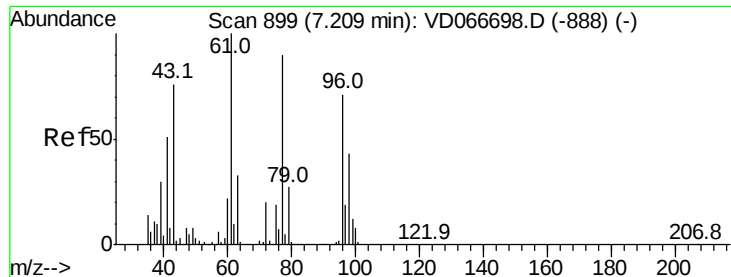
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#





#25

2-Butanone

Concen: 2.291 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

Instrument :

MSVOA_D

ClientSampleId :

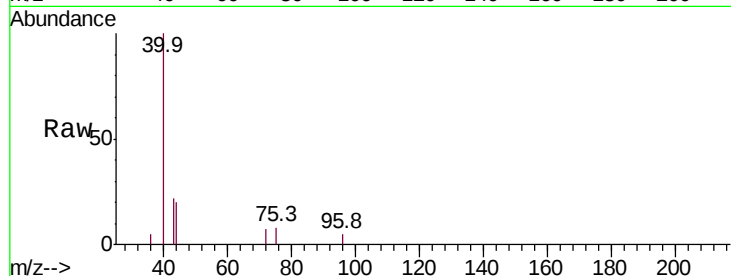
TR-05-091720

Tot Ion: 43 Resp: 2120

Ion Ratio Lower Upper

43 100

72 31.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

800

600

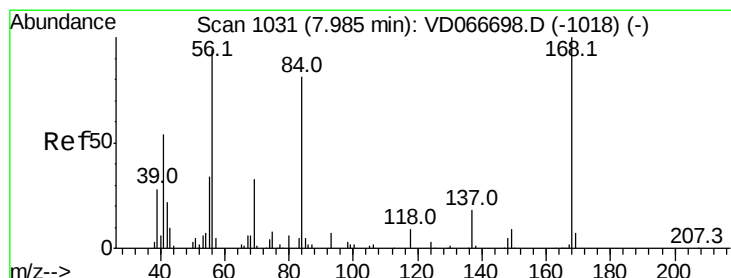
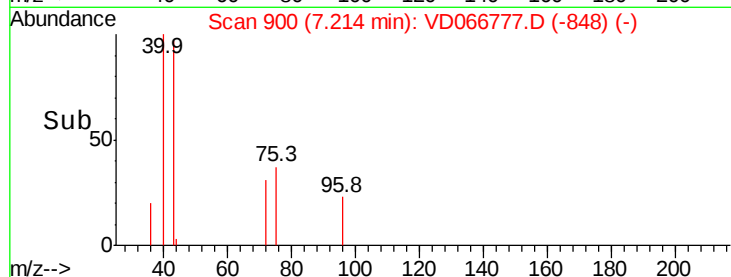
400

200

0

7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.343 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

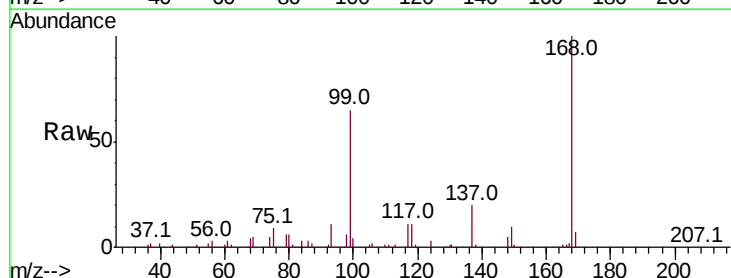
Tgt Ion: 56 Resp: 8278

Ion Ratio Lower Upper

56 100

69 163.0 27.7 41.5#

84 98.2 68.5 102.7



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

8000

6000

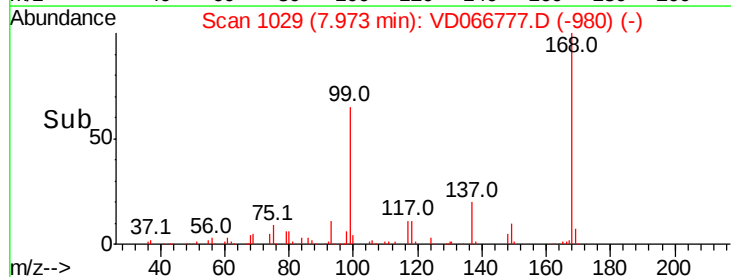
4000

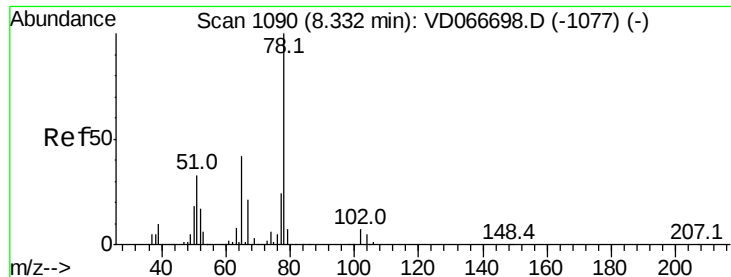
2000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 61.812 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

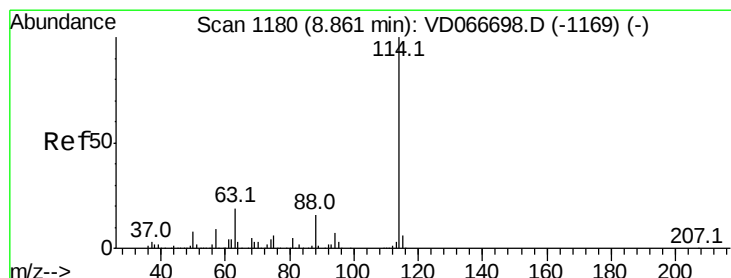
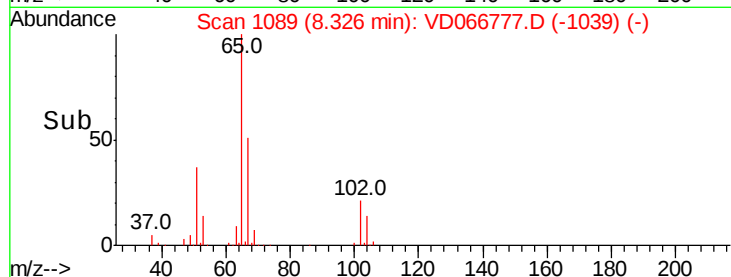
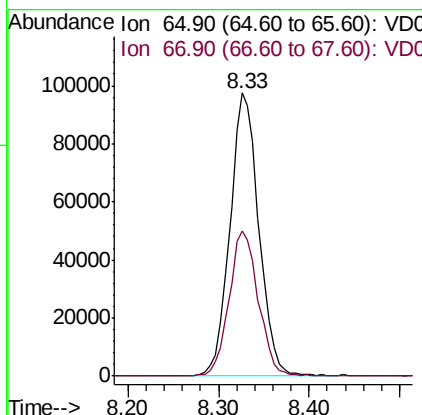
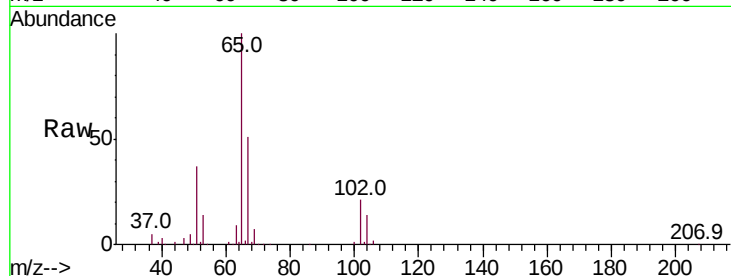
Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

Tot Ion: 65 Resp: 215682

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

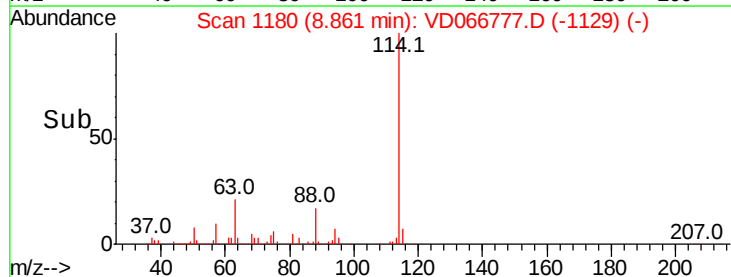
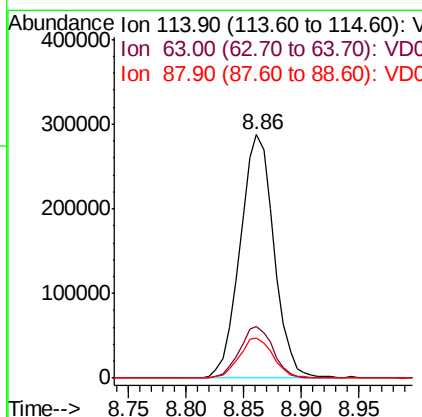
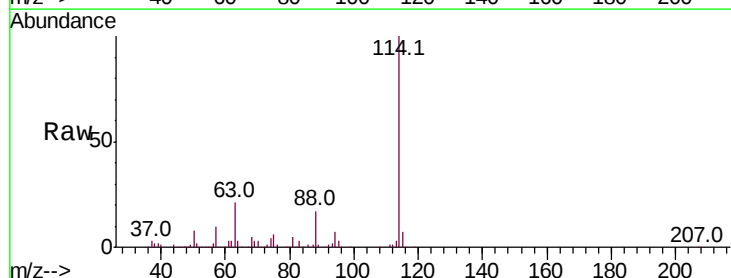
Delta R.T. -0.00 min

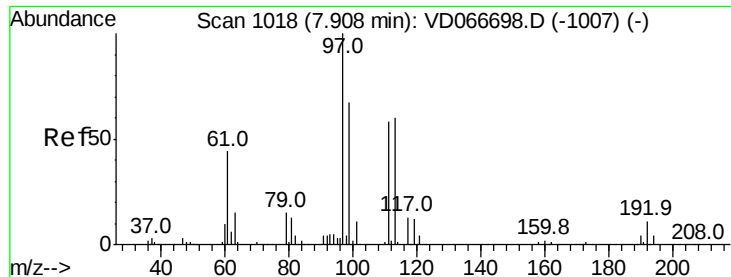
Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

Tgt Ion: 114 Resp: 584964

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	37.6
88	16.7	0.0	32.2

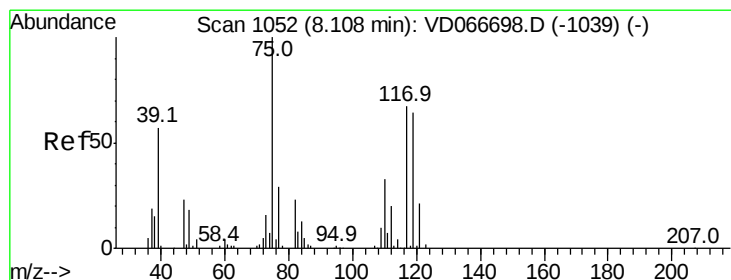
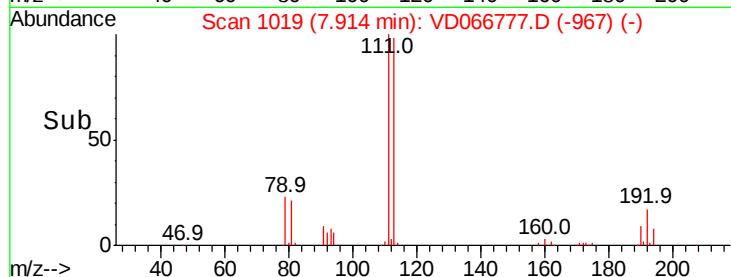
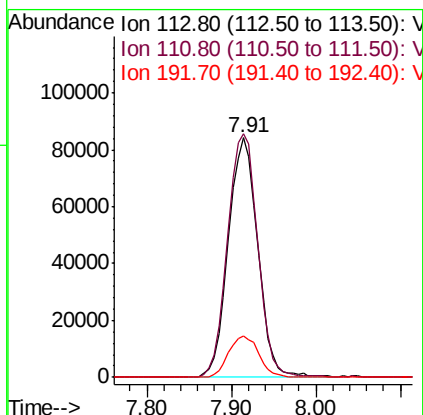
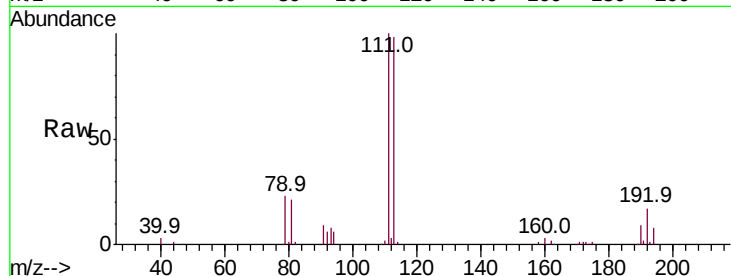




#35
 Dibromofluoromethane
 Concen: 56.453 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066777.D
 Acq: 18 Sep 2020 20:16

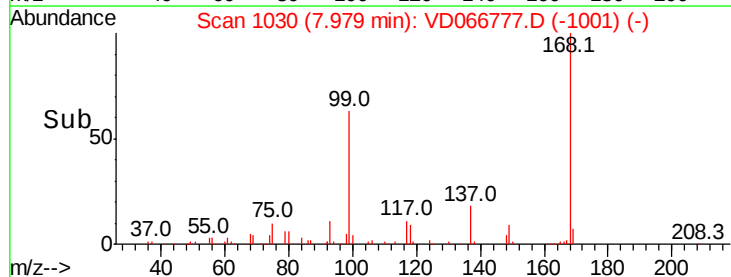
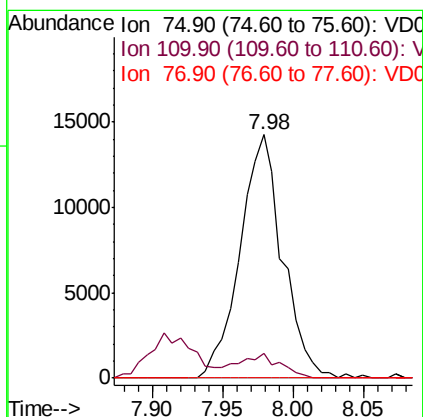
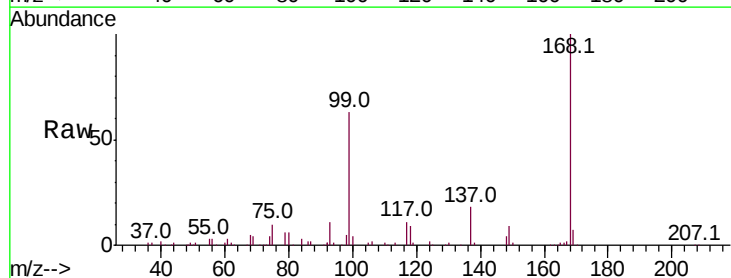
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-091720

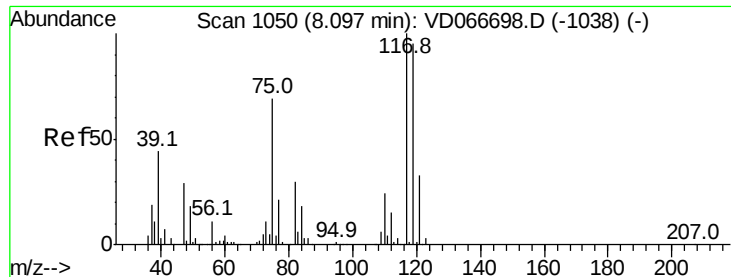
Tot Ion:113 Resp: 202462
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.2 124.8
 192 17.6 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.985 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066777.D
 Acq: 18 Sep 2020 20:16

Tgt Ion: 75 Resp: 29980
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.1 51.2#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.606 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

Instrument :

MSVOA_D

ClientSampleId :

TR-05-091720

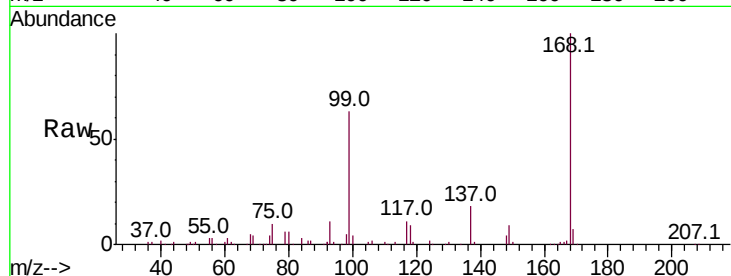
Tot Ion:117 Resp: 35802

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

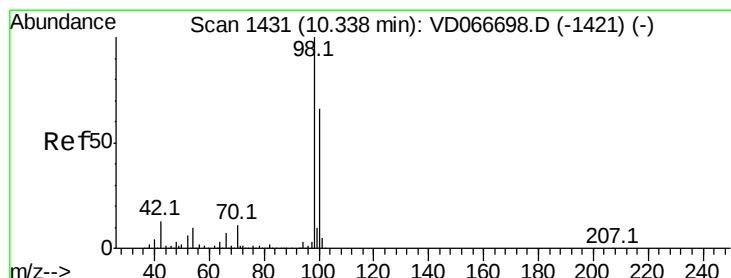
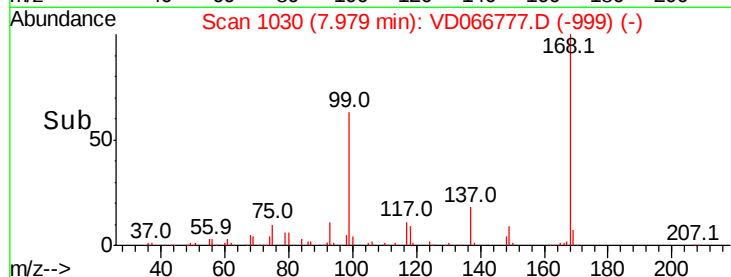
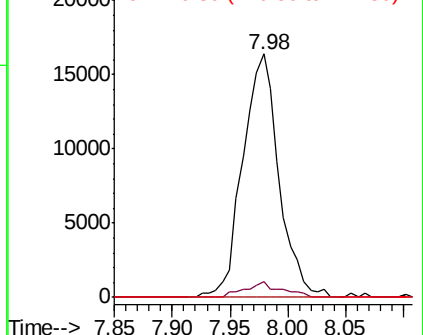
121 0.0 26.2 39.4#



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: 57.280 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066777.D

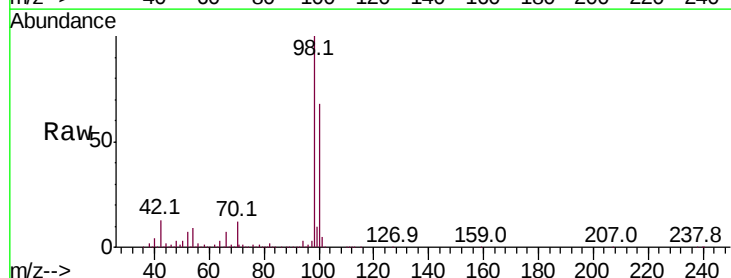
Acq: 18 Sep 2020 20:16

Tgt Ion: 98 Resp: 731890

Ion Ratio Lower Upper

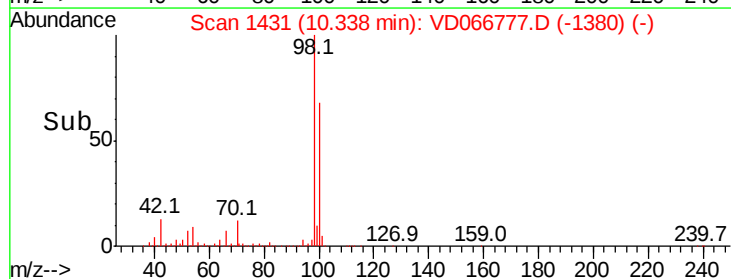
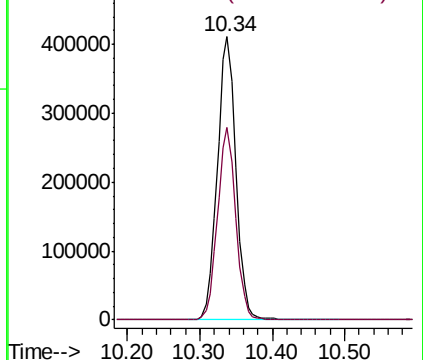
98 100

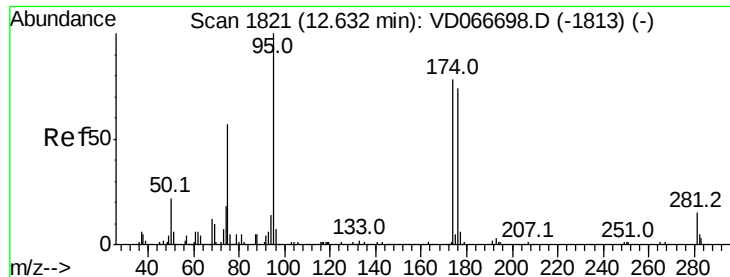
100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

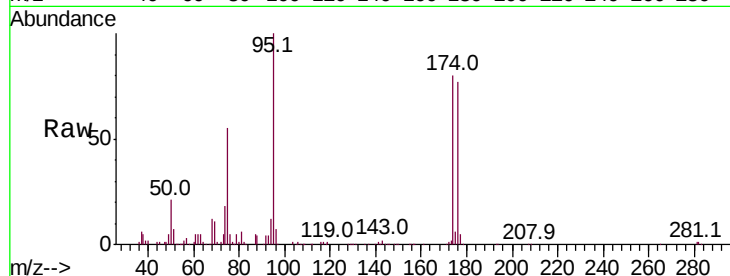




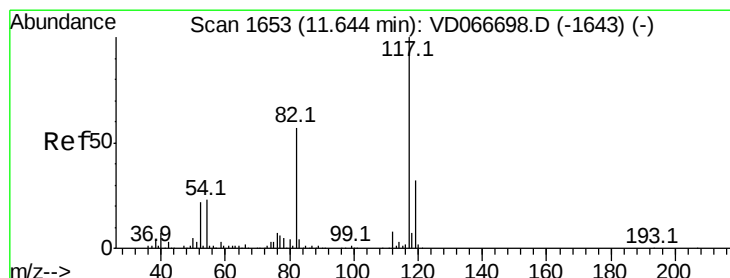
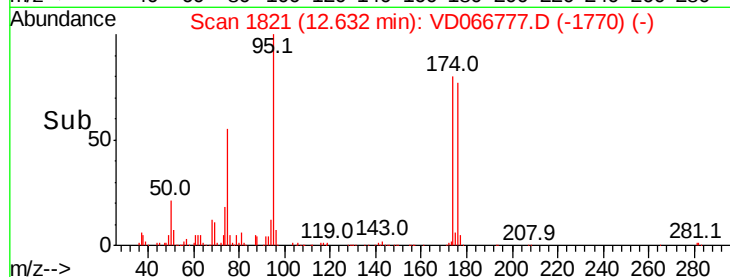
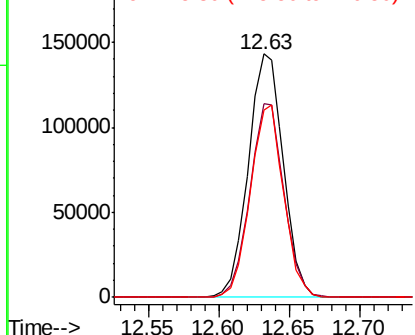
#62
4-Bromofluorobenzene
Concen: 56.437 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066777.D
Acq: 18 Sep 2020 20:16

Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

Tot Ion: 95 Resp: 248923
Ion Ratio Lower Upper
95 100
174 77.8 0.0 156.6
176 75.2 0.0 150.2

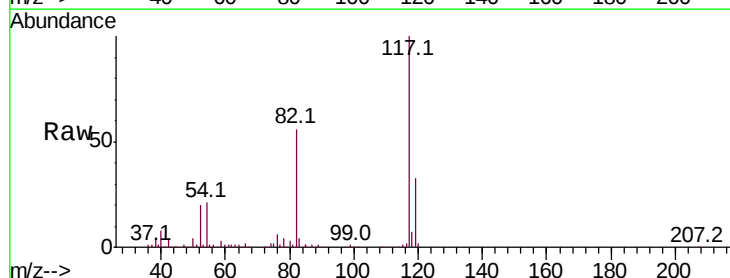


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

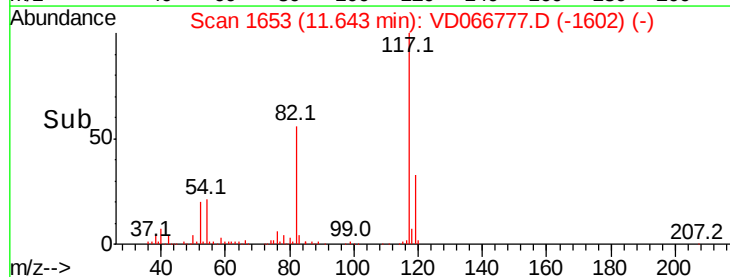
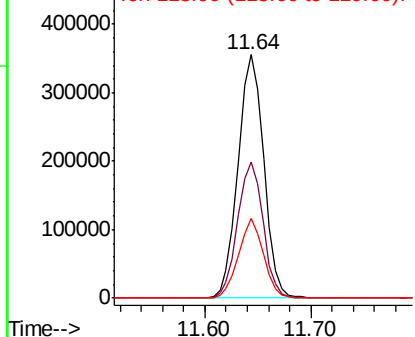


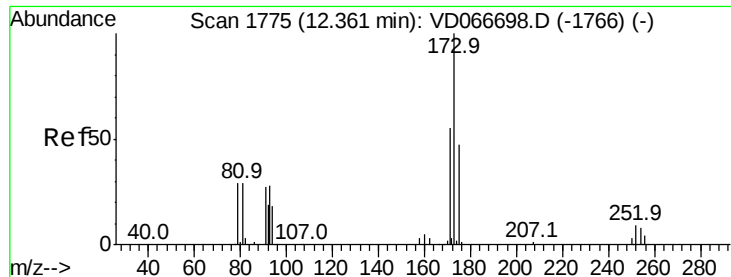
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066777.D
Acq: 18 Sep 2020 20:16

Tgt Ion: 117 Resp: 598755
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 32.9 25.8 38.6



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: 1.005 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066777.D

Acq: 18 Sep 2020 20:16

Instrument :

MSVOA_D

ClientSampleId :

TR-05-091720

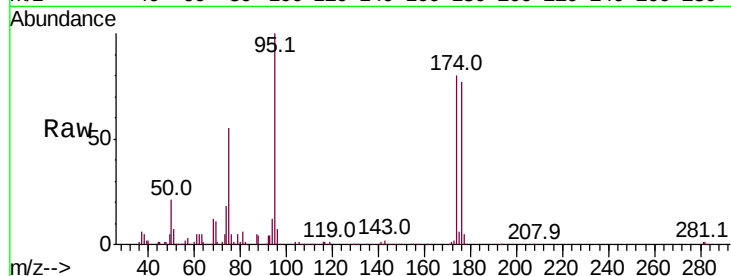
Tot Ion:173 Resp: 2306

Ion Ratio Lower Upper

173 100

175 460.6 24.3 72.8#

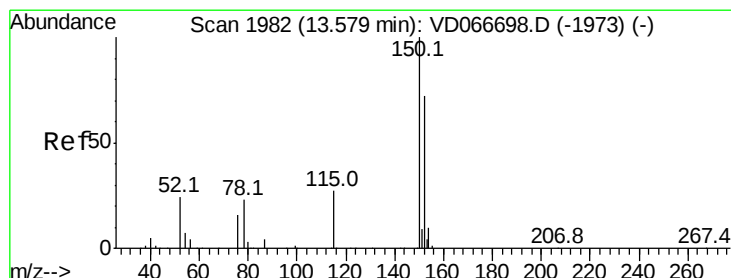
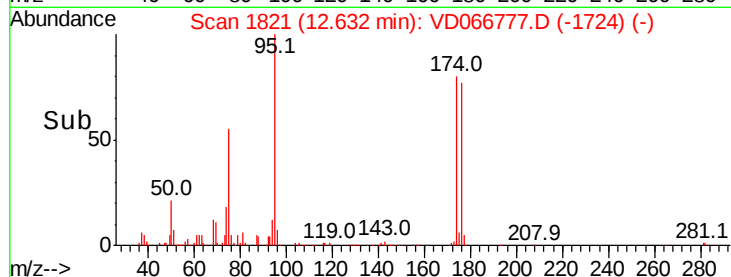
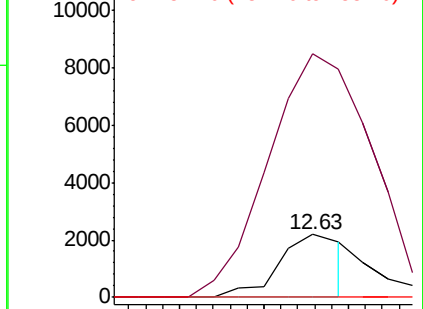
254 0.0 0.1 0.1#



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: VD066777.D

Acq: 18 Sep 2020 20:16

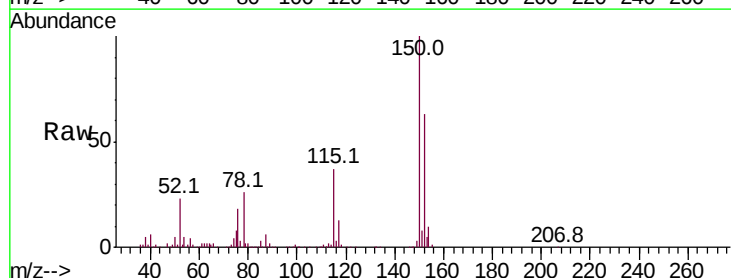
Tgt Ion:152 Resp: 262361

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

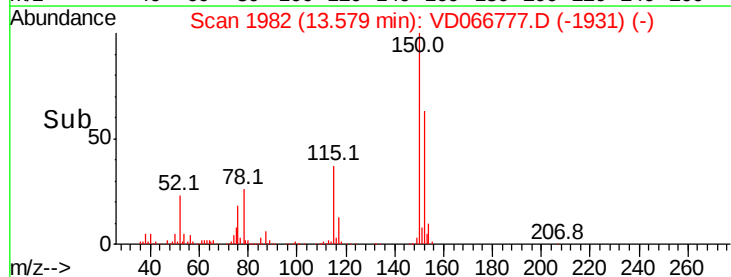
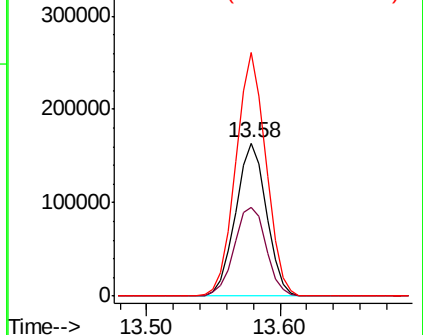
150 155.5 0.0 344.6

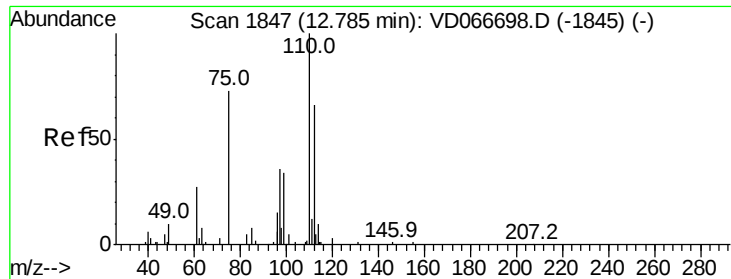


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

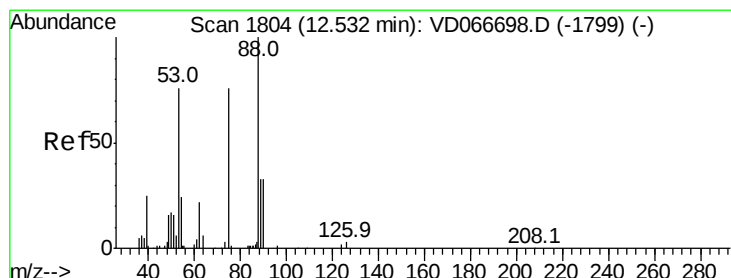
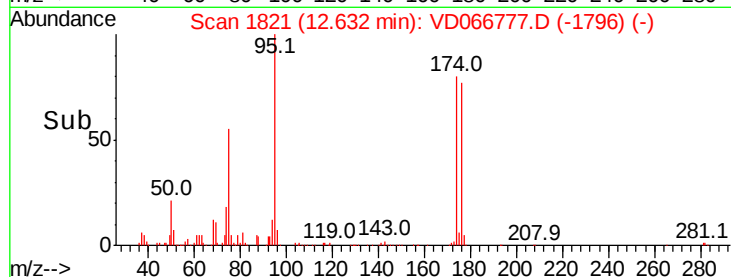
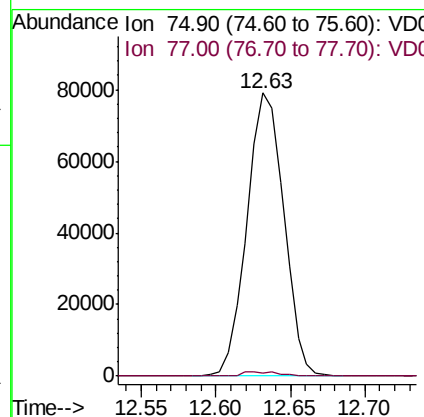
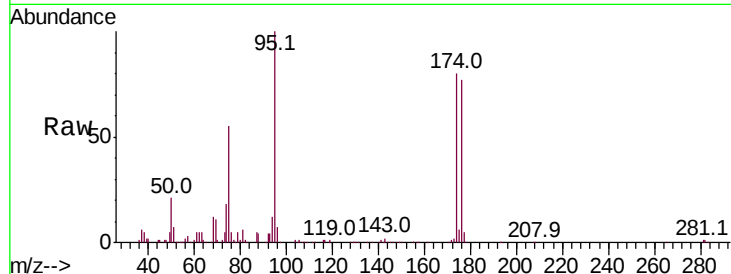




#76
 1,2,3-Trichloropropane
 Concen: 60.241 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066777.D
 Acq: 18 Sep 2020 20:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-091720

Tot Ion: 75 Resp: 135284
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.011 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066777.D
 Acq: 18 Sep 2020 20:16

Tgt Ion: 75 Resp: 135284
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.2 123.4#
 89 0.1 39.6 59.4#

