

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066795.D
 Acq On : 21 Sep 2020 20:54
 Operator : VA/SY
 Sample : L4104-01
 Misc : 4.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B29-092120-0-1

Quant Time: Sep 22 00:56:34 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	381581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	714690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	702198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281884	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	235089	57.74	ug/l	0.00
Spiked Amount			Recovery	=	115.48%	
35) Dibromofluoromethane	7.91	113	239784	54.72	ug/l	0.00
Spiked Amount			Recovery	=	109.44%	
50) Toluene-d8	10.34	98	868015	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.63	95	293781	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	

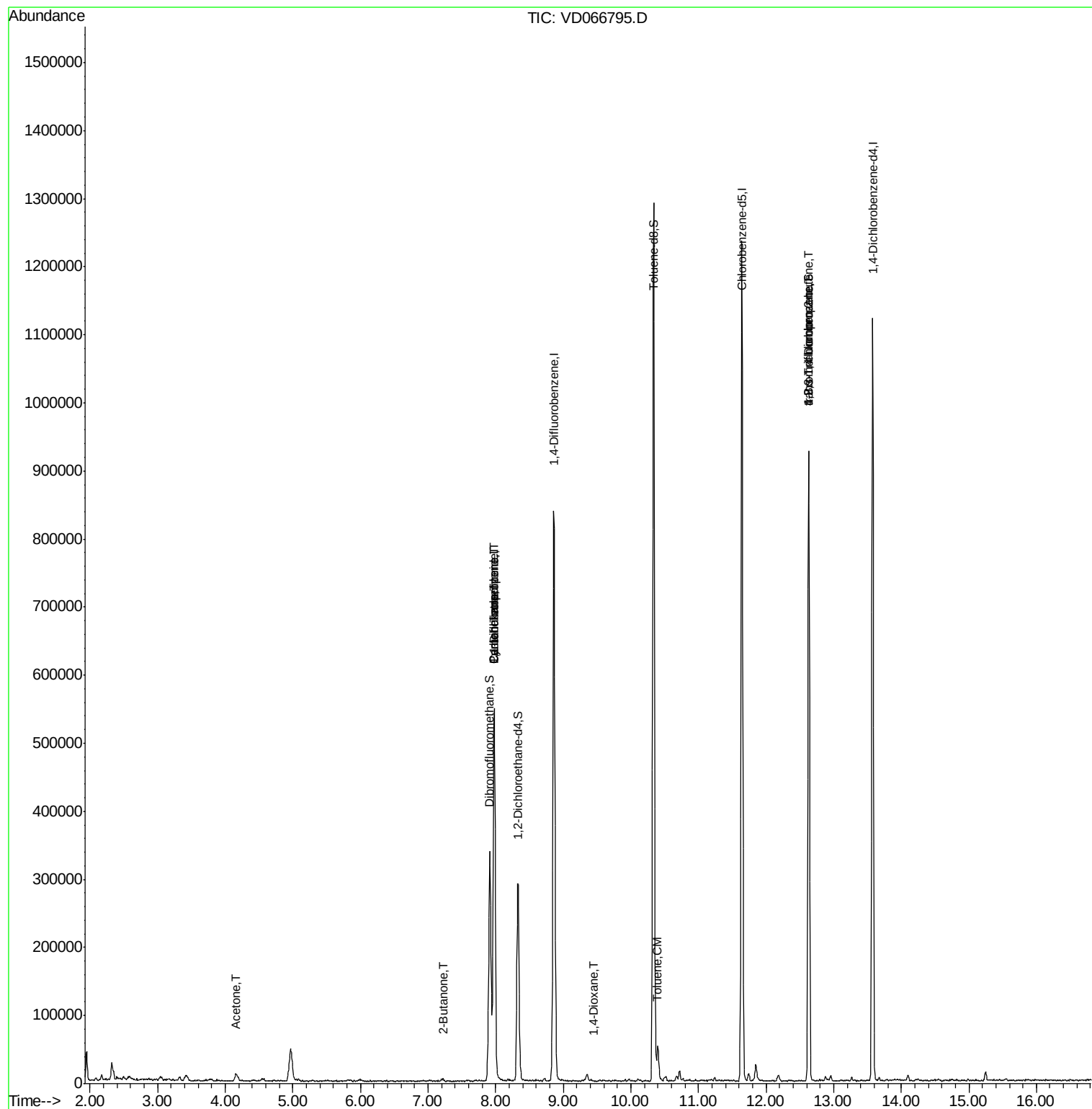
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	79	Below Cal	#	76
16) Acetone	4.16	43	17483	21.088	ug/l #	88
18) Methyl Acetate	4.73	43	289	Below Cal	#	52
25) 2-Butanone	7.22	43	5351	4.957	ug/l #	85
31) Cyclohexane	7.98	56	10680	1.485	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	33532	4.563	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41299	5.293	ug/l #	17
49) 1,4-Dioxane	9.45	88	70	2.420	ug/l #	25
52) Toluene	10.40	92	20721	1.627	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	154046	63.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	154046	137.788	ug/l #	8

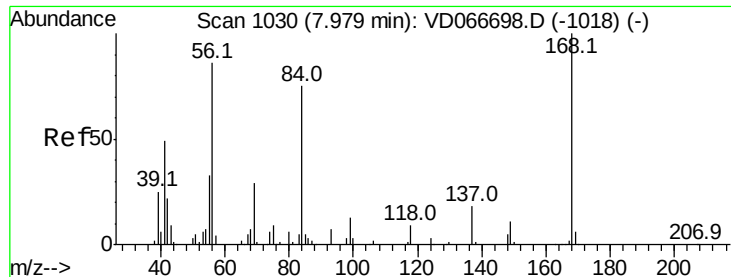
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

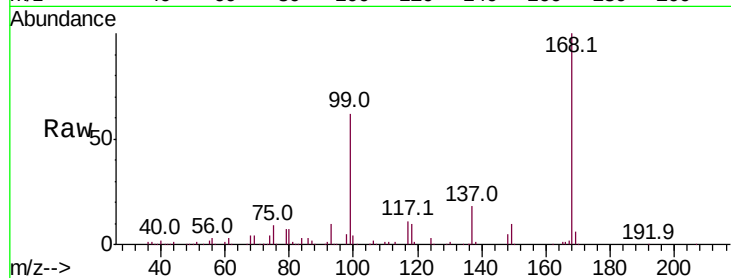
PAV-B29-092120-0-1

Tot Ion:168 Resp: 381581

Ion Ratio Lower Upper

168 100

99 61.6 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VDC

150000

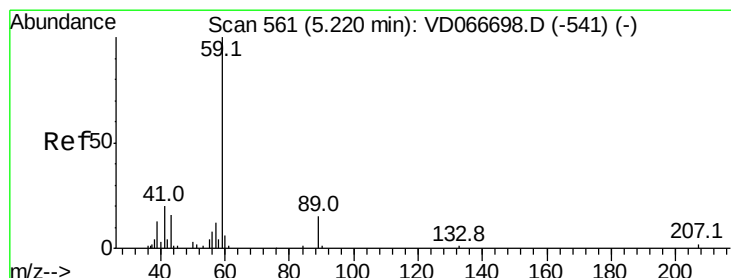
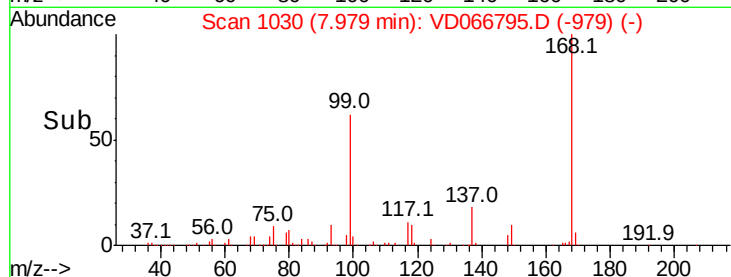
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066795.D

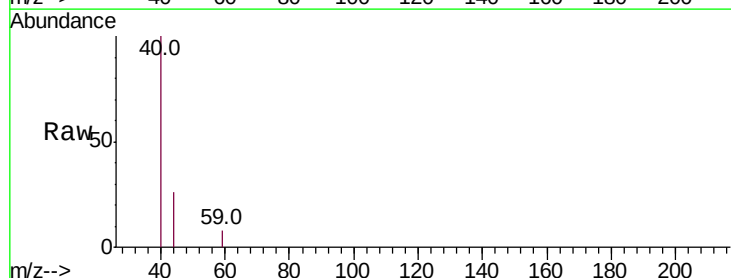
Acq: 21 Sep 2020 20:54

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

250 Ion 57.00 (56.70 to 57.70): VDC

200

150

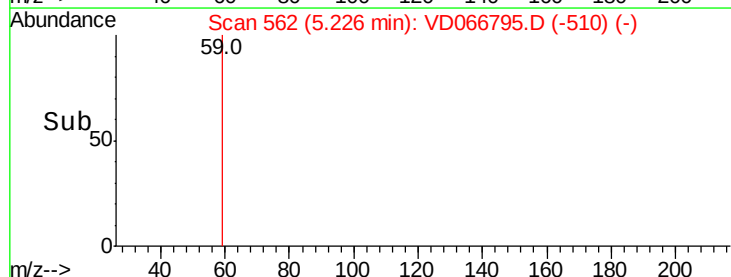
100

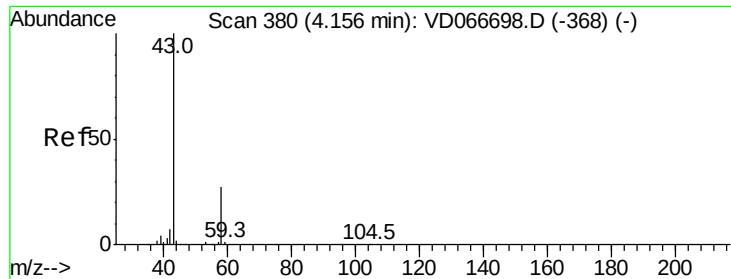
50

0

5.21 5.22 5.23 5.24

Time-->





#16

Acetone

Concen: 21.088 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

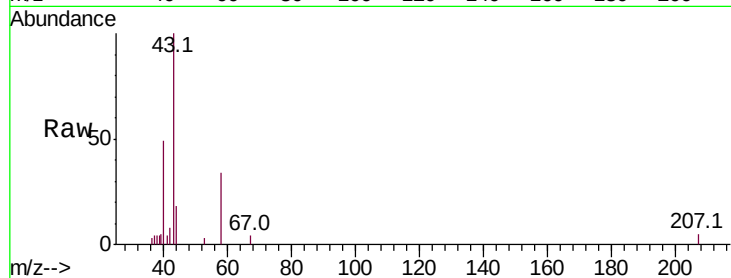
PAV-B29-092120-0-1

Tot Ion: 43 Resp: 17483

Ion Ratio Lower Upper

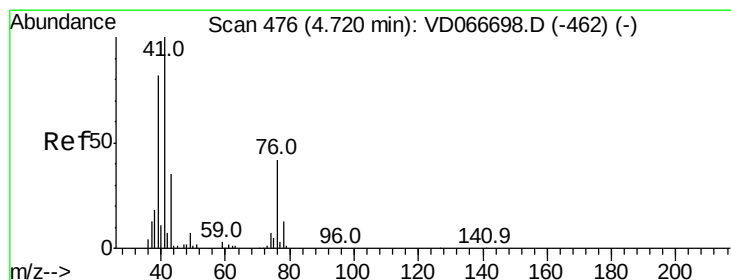
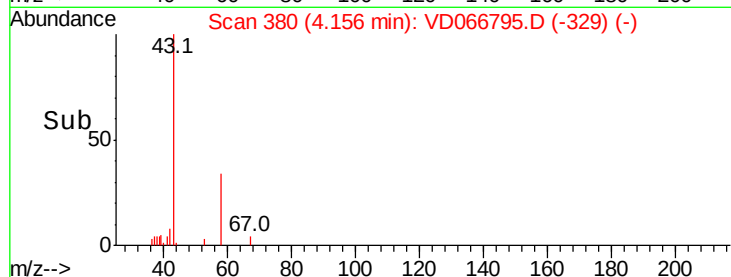
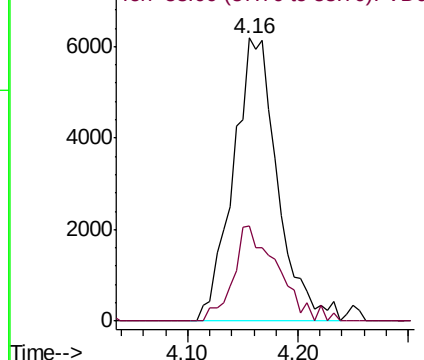
43 100

58 33.6 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD066795.D

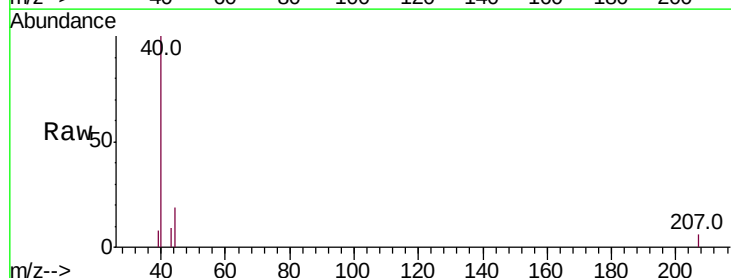
Acq: 21 Sep 2020 20:54

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

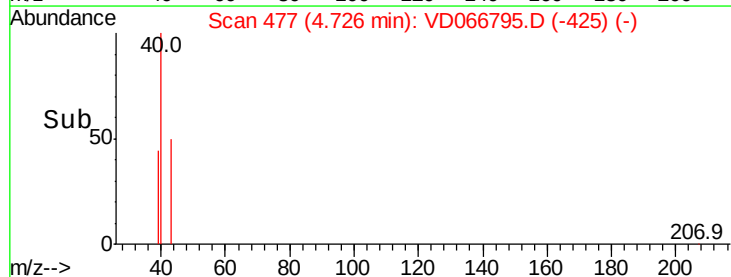
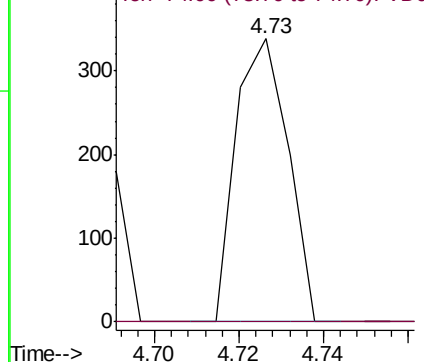
43 100

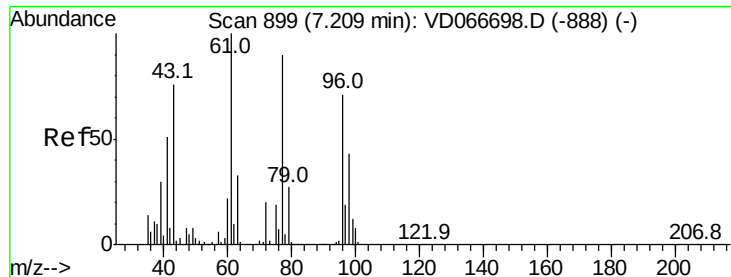
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 4.957 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

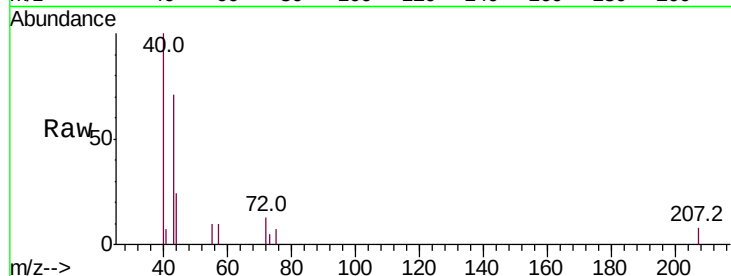
PAV-B29-092120-0-1

Tot Ion: 43 Resp: 5351

Ion Ratio Lower Upper

43 100

72 18.5 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

2500

2000

1500

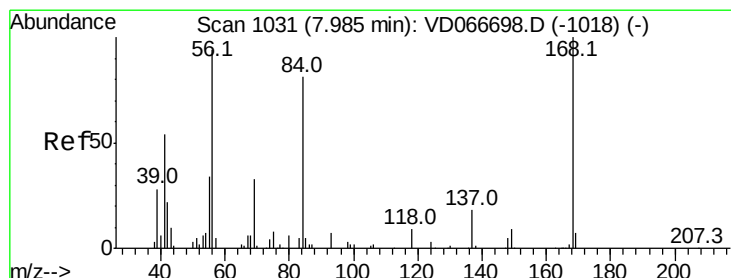
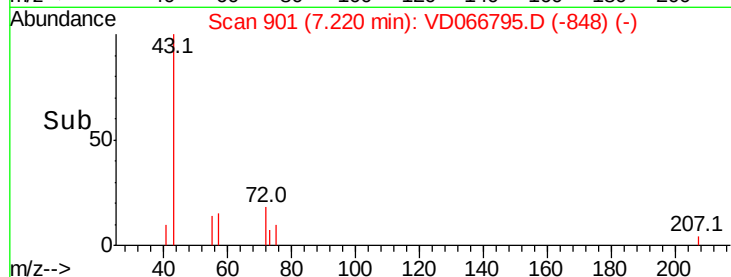
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#31

Cyclohexane

Concen: 1.485 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

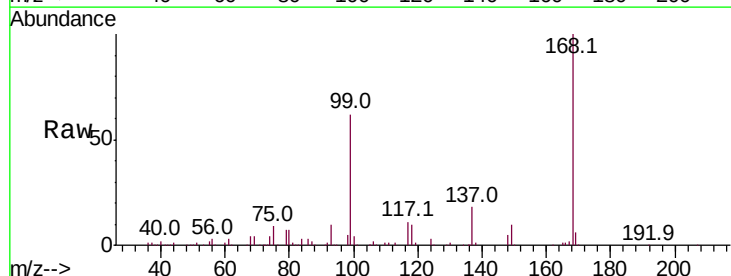
Tgt Ion: 56 Resp: 10680

Ion Ratio Lower Upper

56 100

69 129.9 27.7 41.5#

84 97.7 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

10000

8000

6000

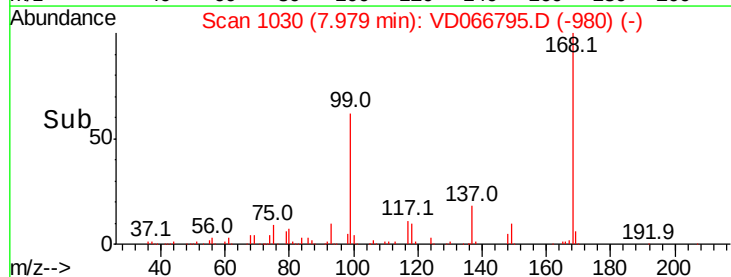
4000

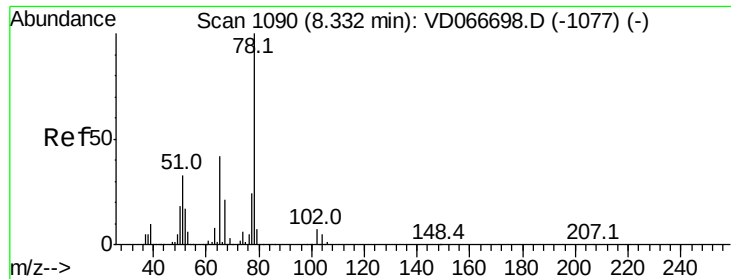
2000

0

7.90 7.95 8.00 8.05

Time-->

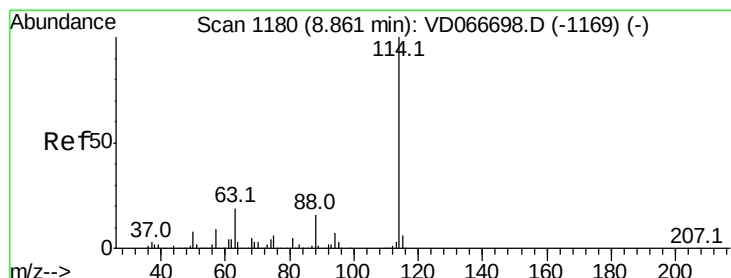
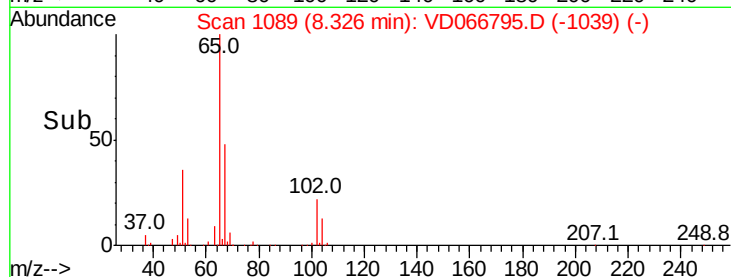
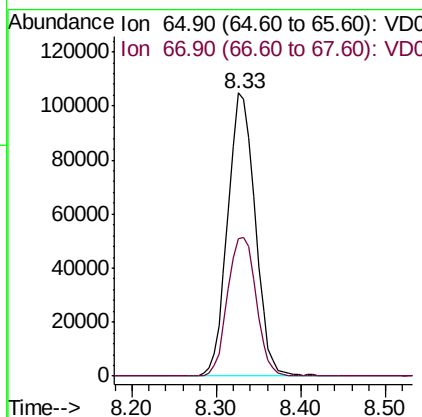
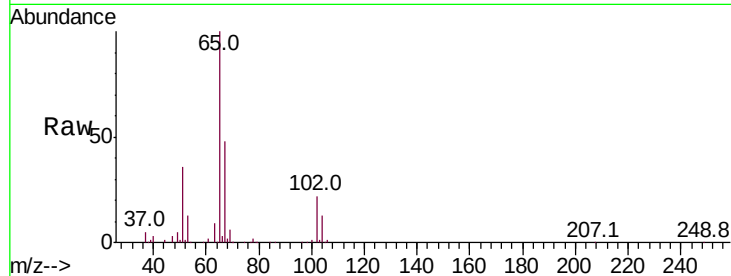




#33
 1,2-Dichloroethane-d4
 Concen: 57.744 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066795.D
 Acq: 21 Sep 2020 20:54

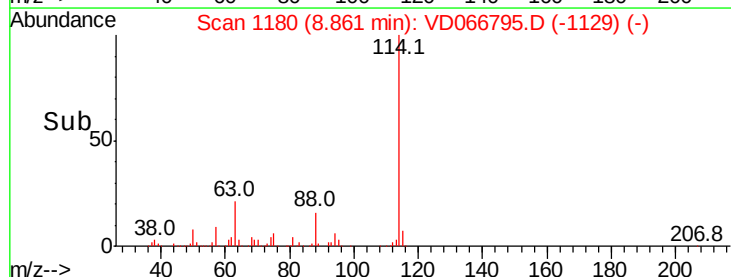
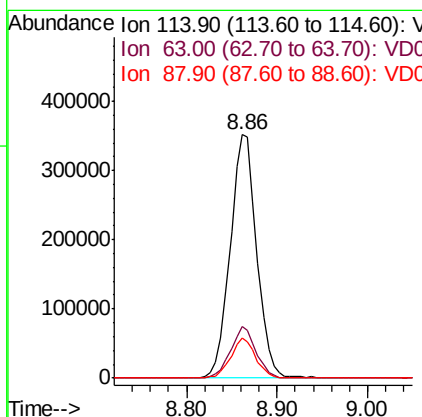
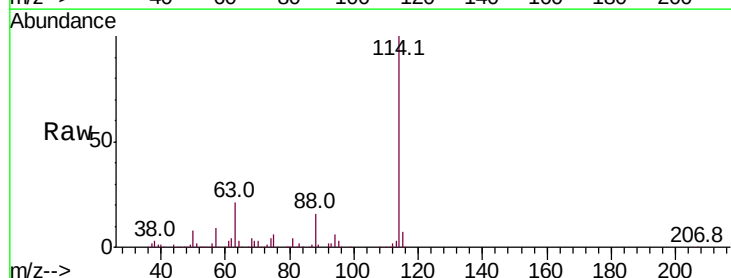
Instrument :
 MSVOA_D
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 PAV-B29-092120-0-1

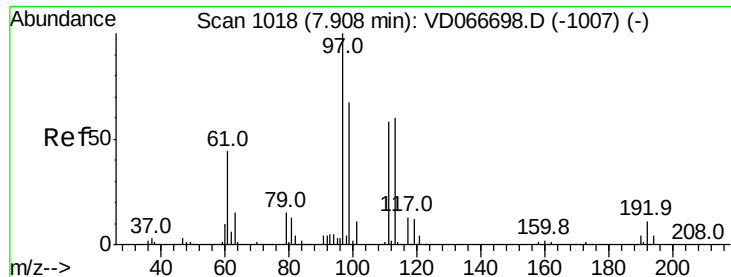
Tot Ion: 65 Resp: 235089
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066795.D
 Acq: 21 Sep 2020 20:54

Tgt Ion: 114 Resp: 714690
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.6
 88 16.3 0.0 32.2

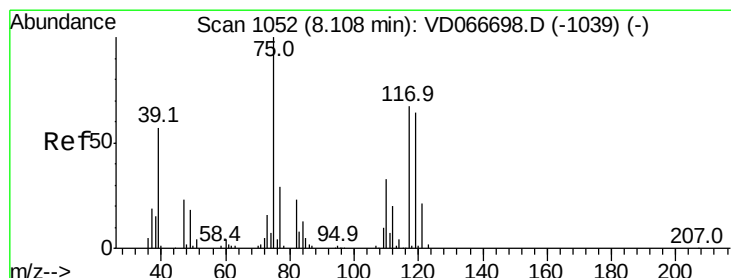
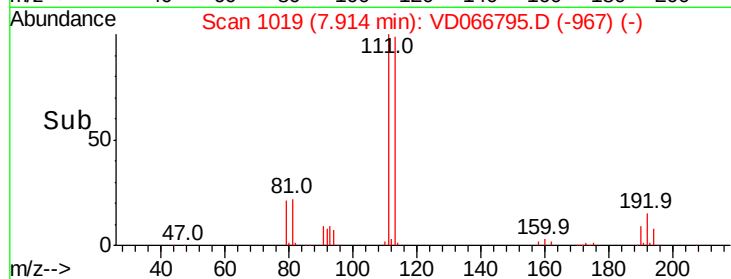
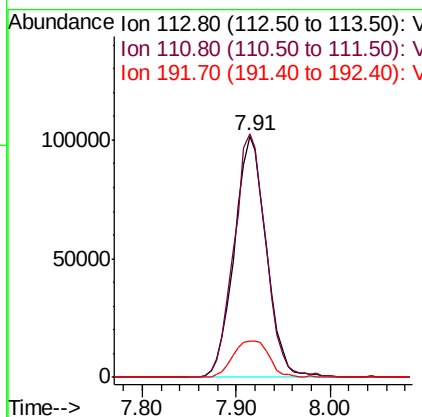
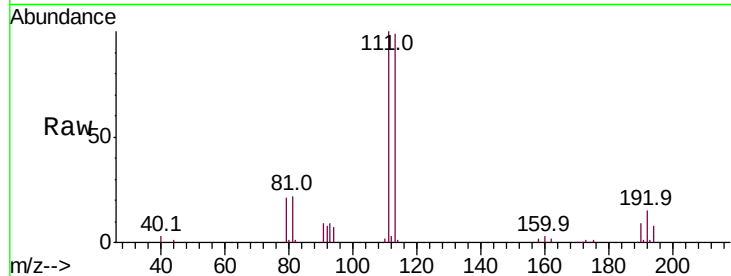




#35
 Dibromofluoromethane
 Concen: 54.724 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066795.D
 Acq: 21 Sep 2020 20:54

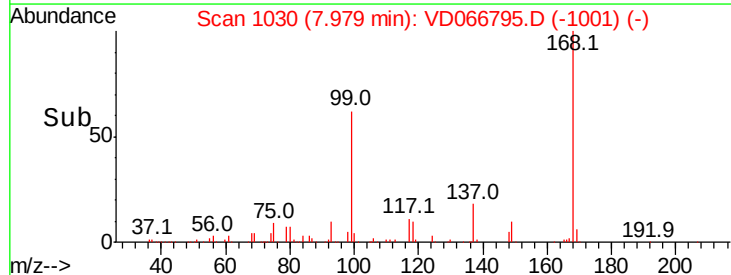
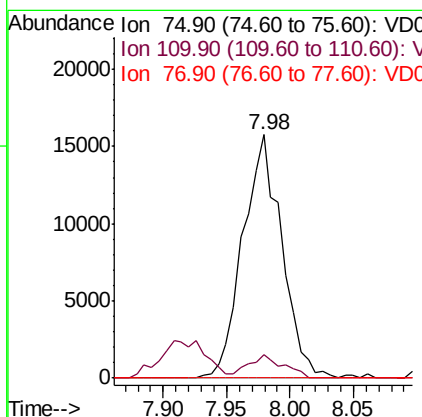
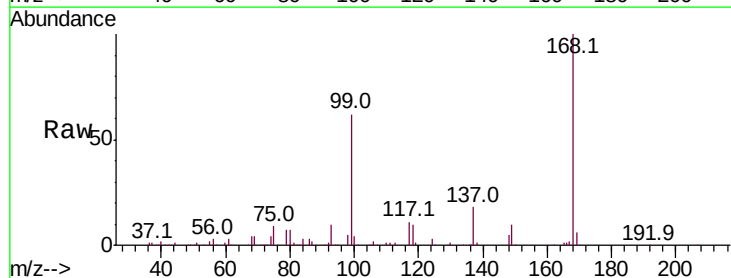
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B29-092120-0-1

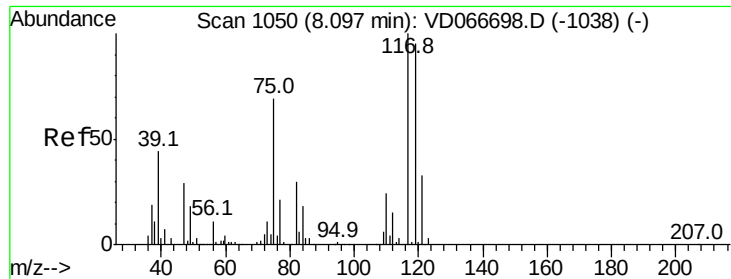
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.2	124.8
192	17.1	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 4.563 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066795.D
 Acq: 21 Sep 2020 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.293 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

PAV-B29-092120-0-1

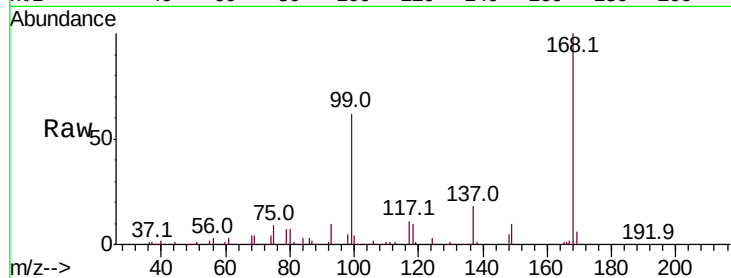
Tot Ion:117 Resp: 41299

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

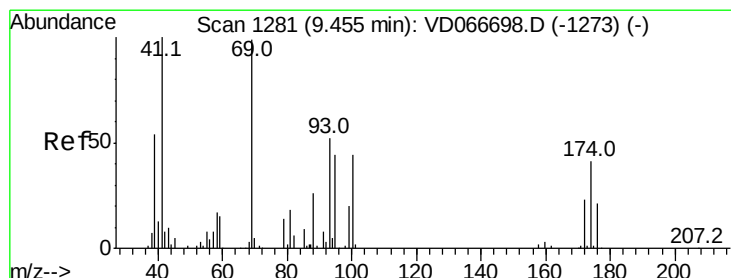
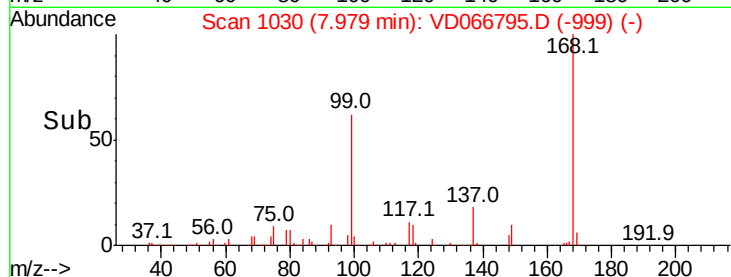
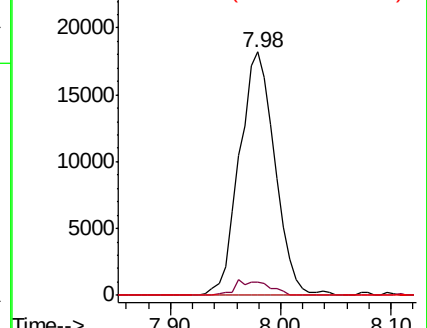
121 0.0 26.2 39.4#



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



#49

1,4-Dioxane

Concen: 2.420 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

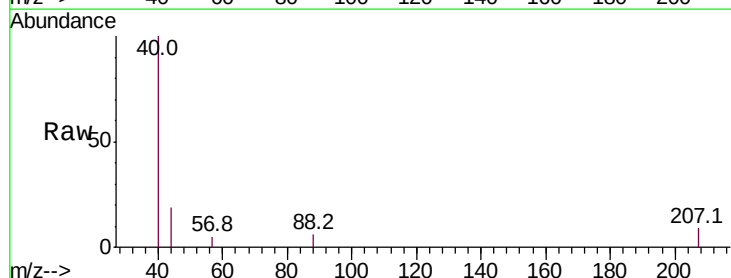
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

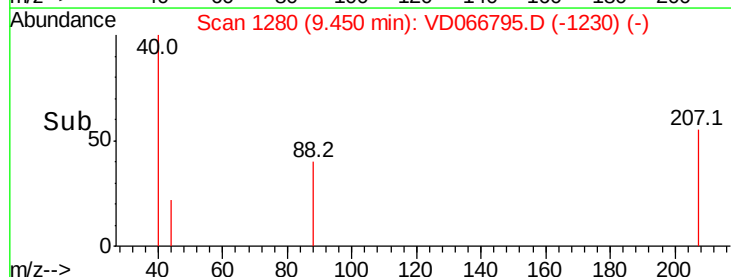
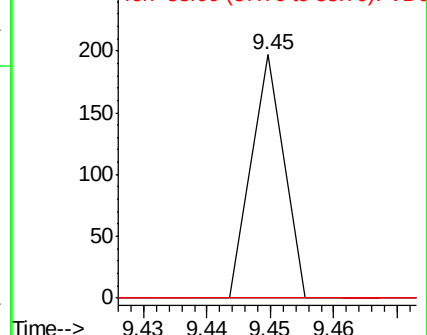
58 0.0 51.4 77.2#

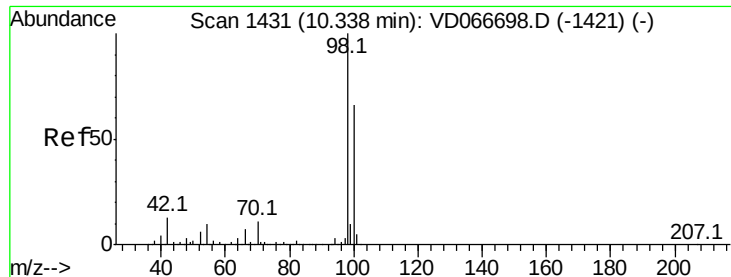


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 55.603 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

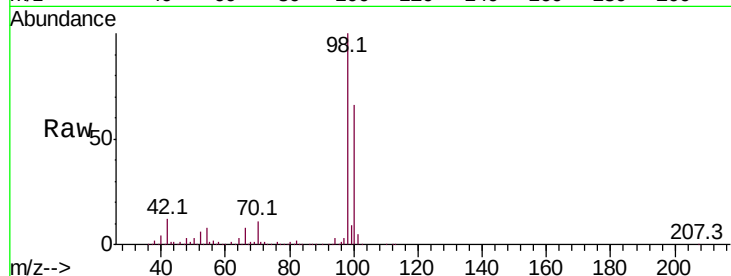
PAV-B29-092120-0-1

Tot Ion: 98 Resp: 868015

Ion Ratio Lower Upper

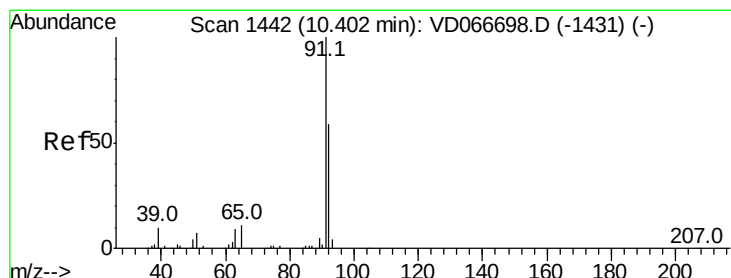
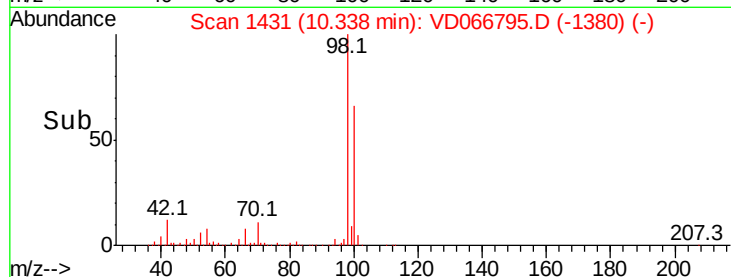
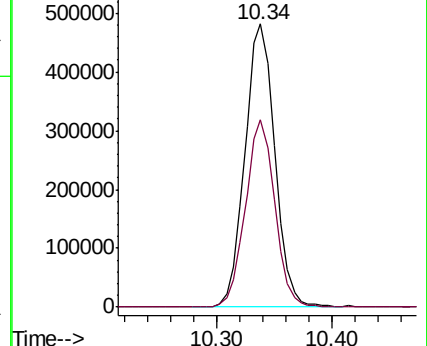
98 100

100 65.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 1.627 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066795.D

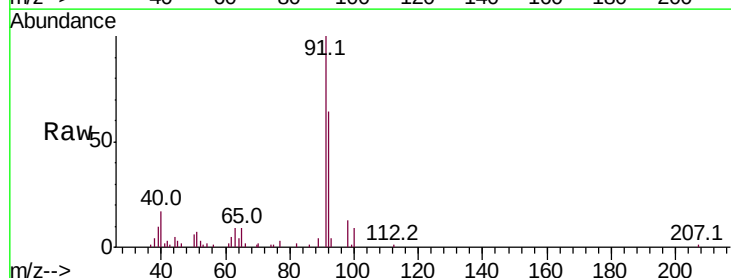
Acq: 21 Sep 2020 20:54

Tgt Ion: 92 Resp: 20721

Ion Ratio Lower Upper

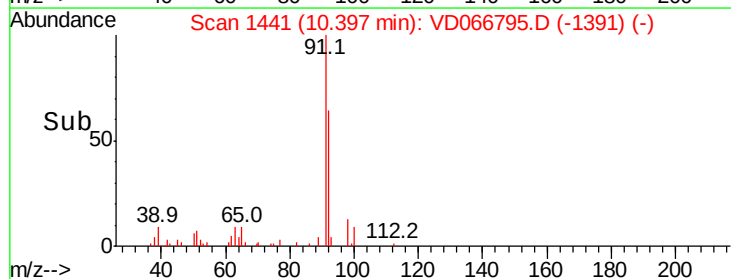
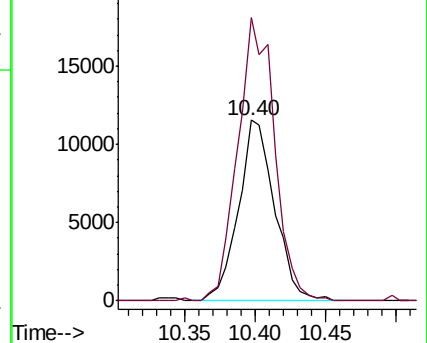
92 100

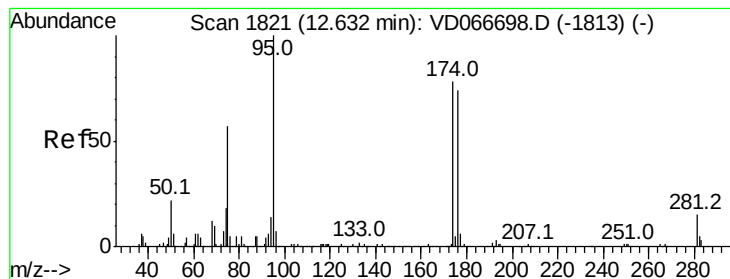
91 159.8 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 54.518 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

PAV-B29-092120-0-1

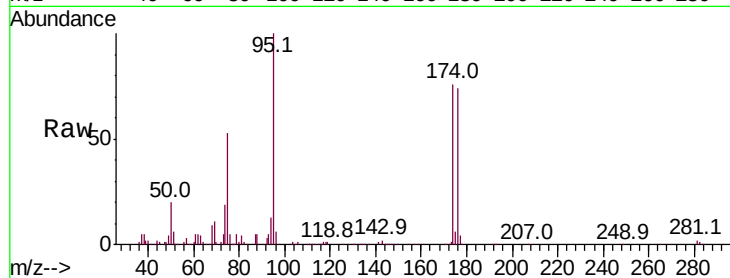
Tot Ion: 95 Resp: 293781

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.6

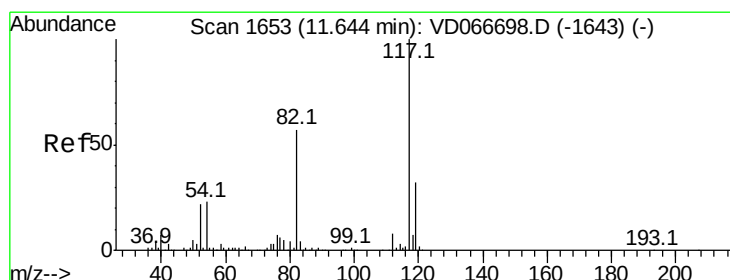
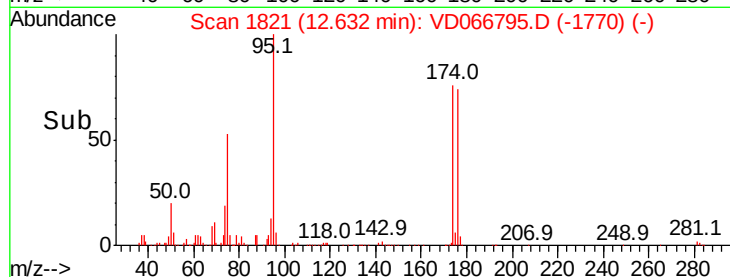
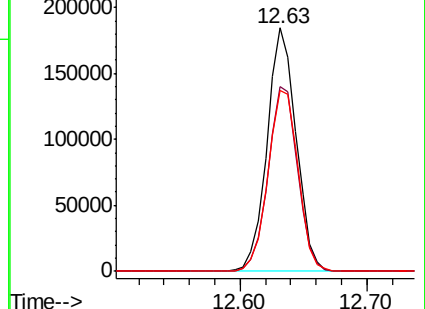
176 76.9 0.0 150.2



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: VD066795.D

Acq: 21 Sep 2020 20:54

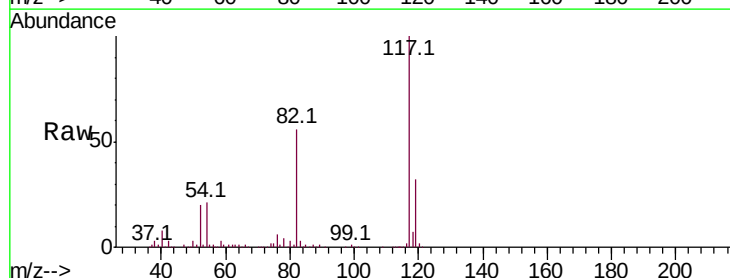
Tgt Ion: 117 Resp: 702198

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

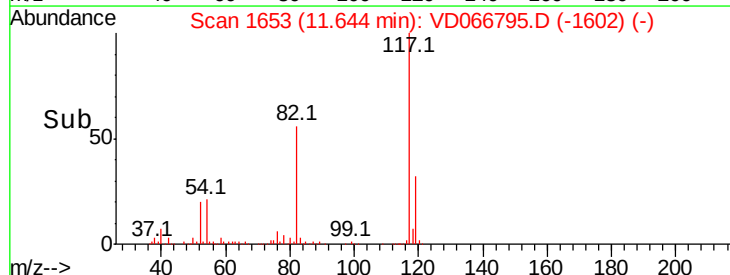
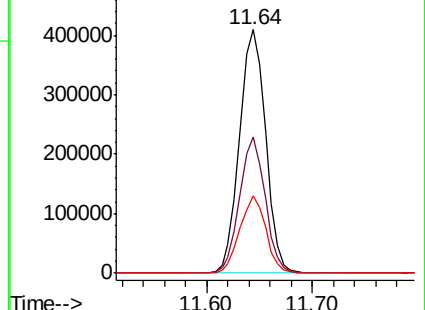
119 31.6 25.8 38.6

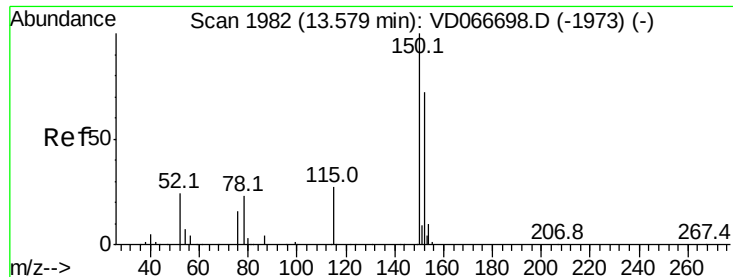


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

PAV-B29-092120-0-1

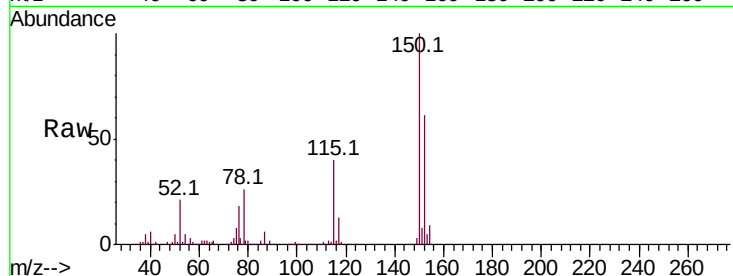
Tot Ion:152 Resp: 281884

Ion Ratio Lower Upper

152 100

115 61.7 30.5 91.5

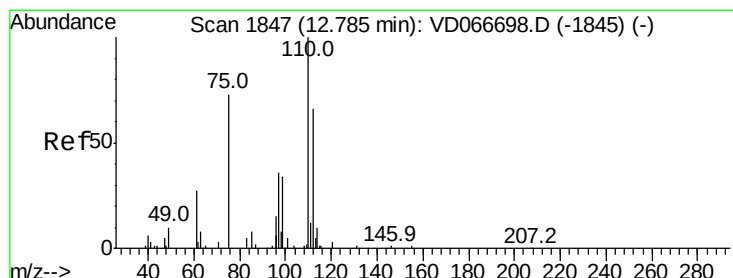
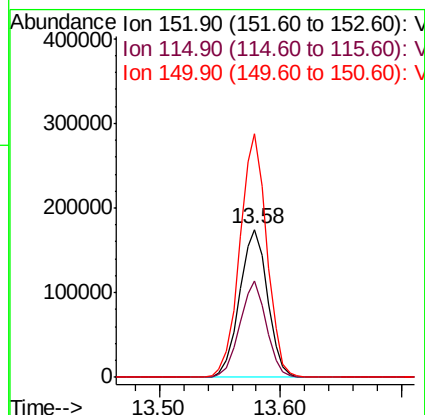
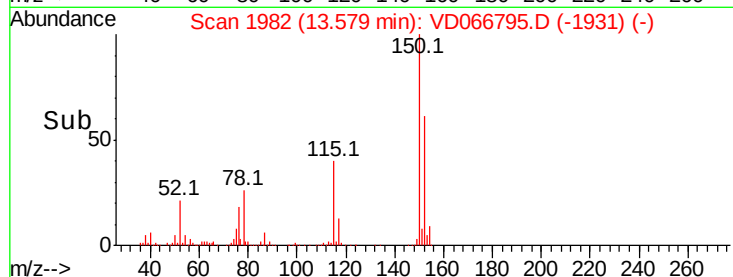
150 158.7 0.0 344.6



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: 63.845 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066795.D

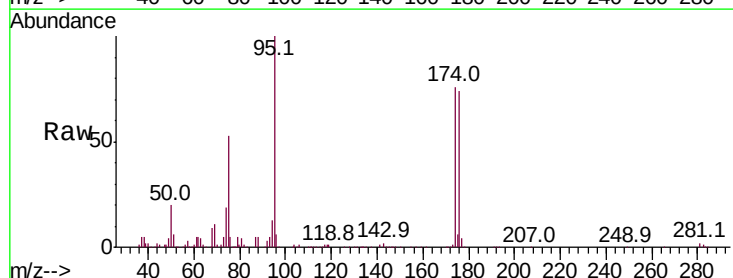
Acq: 21 Sep 2020 20:54

Tgt Ion: 75 Resp: 154046

Ion Ratio Lower Upper

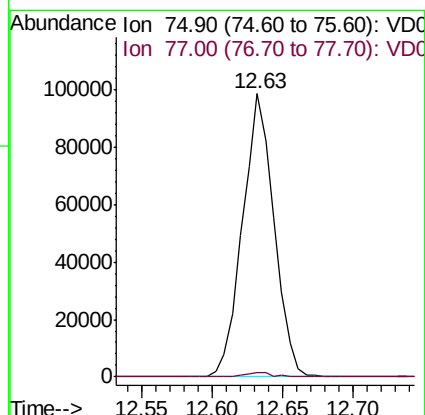
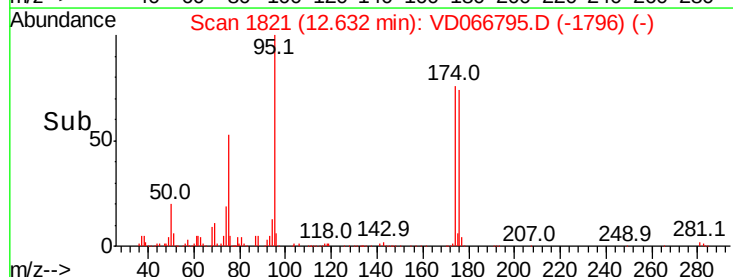
75 100

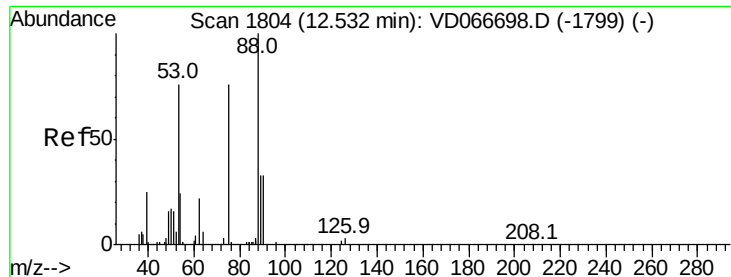
77 1.4 0.0 0.0#



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: 137.788 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066795.D

Acq: 21 Sep 2020 20:54

Instrument :

MSVOA_D

ClientSampleId :

PAV-B29-092120-0-1

Tot Ion: 75 Resp: 154046

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

