

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066797.D
 Acq On : 21 Sep 2020 21:49
 Operator : VA/SY
 Sample : L4104-11
 Misc : 6.472G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B29-092120-16-17

Quant Time: Sep 22 00:56:49 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	387249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	728934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	726116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326960	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	237592	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
35) Dibromofluoromethane	7.91	113	245946	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
50) Toluene-d8	10.34	98	896881	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
62) 4-Bromofluorobenzene	12.63	95	311004	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	

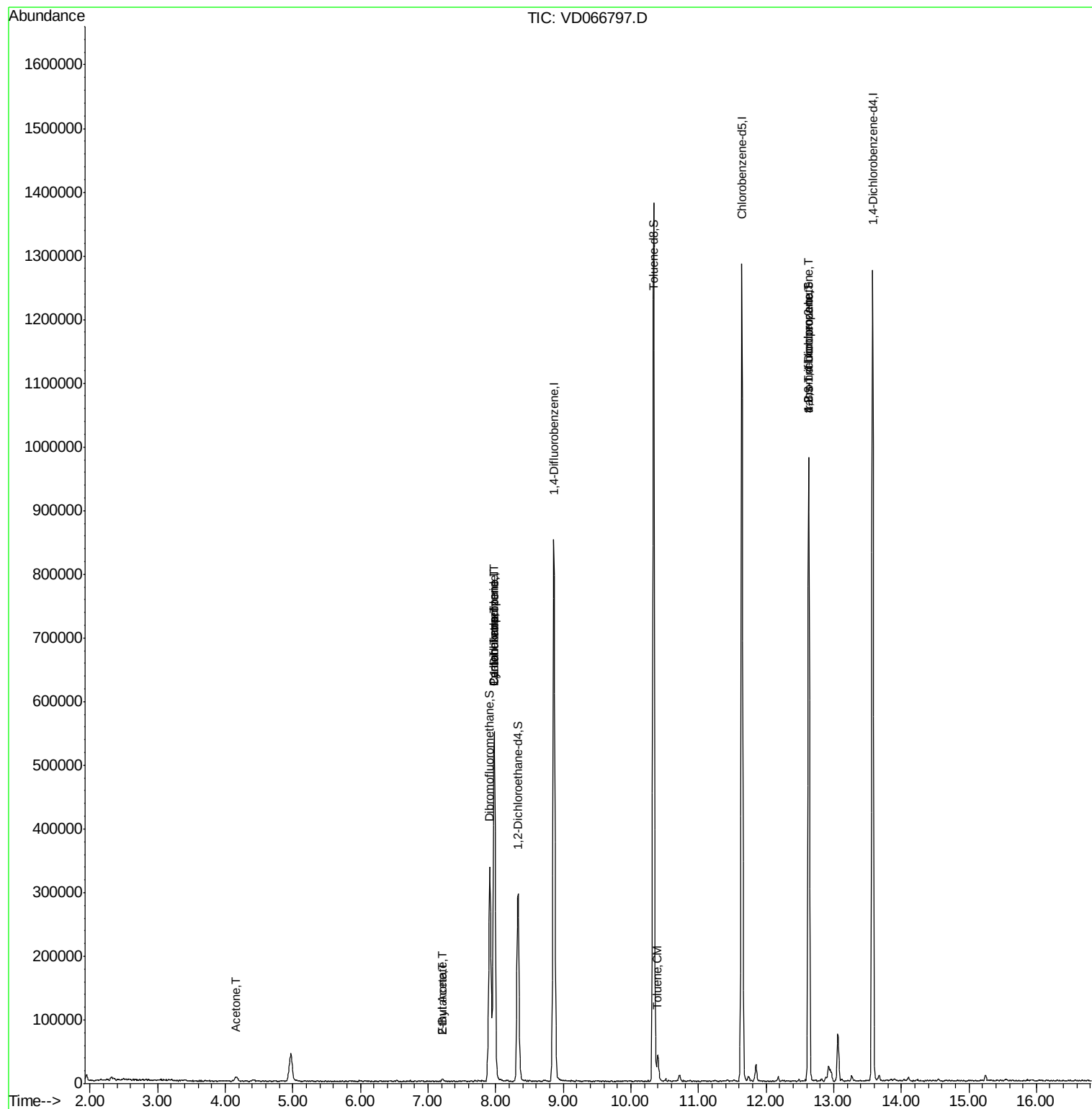
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	100	Below Cal	#	43
16) Acetone	4.16	43	13141	15.618	ug/l #	82
18) Methyl Acetate	4.73	43	64	Below Cal	#	52
20) Methylene Chloride	4.97	84	33164	Below Cal	#	92
25) 2-Butanone	7.21	43	3213	2.933	ug/l #	87
31) Cyclohexane	7.97	56	9510	1.303	ug/l #	4
36) 1,1-Dichloropropene	7.97	75	33734	4.501	ug/l #	50
37) Ethyl Acetate	7.21	43	3213	1.132	ug/l #	70
38) Carbon Tetrachloride	7.98	117	40783	5.124	ug/l #	18
52) Toluene	10.40	92	13764	1.060	ug/l	78
76) 1,2,3-Trichloropropane	12.63	75	165682	59.201	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	165682	127.765	ug/l #	8

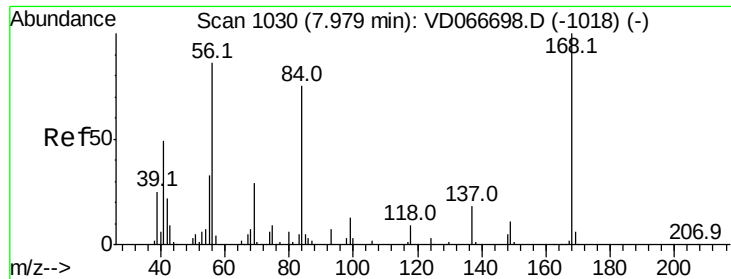
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066797.D

Acq: 21 Sep 2020 21:49

Instrument :

MSVOA_D

ClientSampleId :

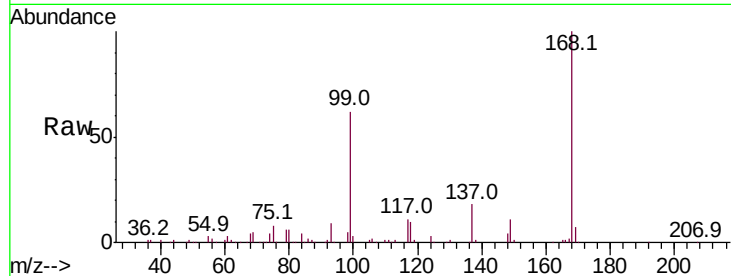
PAV-B29-092120-16-17

Tot Ion:168 Resp: 387249

Ion Ratio Lower Upper

168 100

99 62.2 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

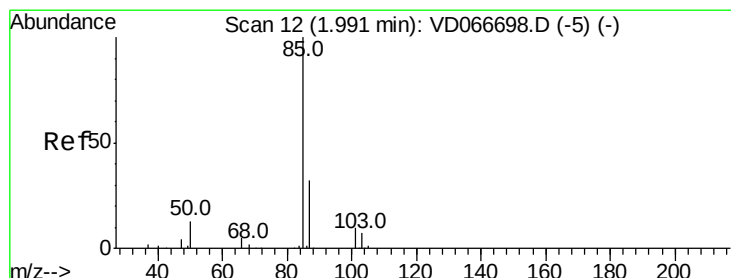
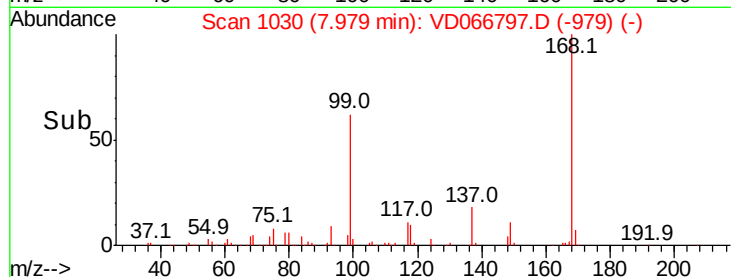
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066797.D

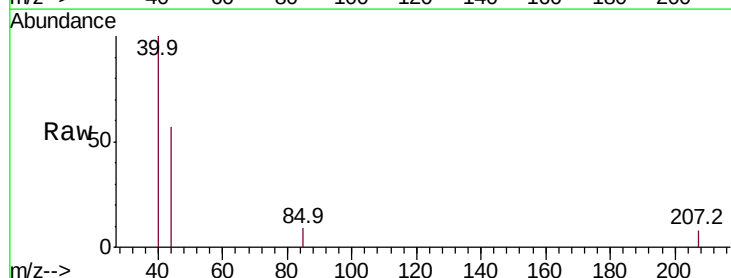
Acq: 21 Sep 2020 21:49

Tgt Ion: 85 Resp: 100

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

2.00

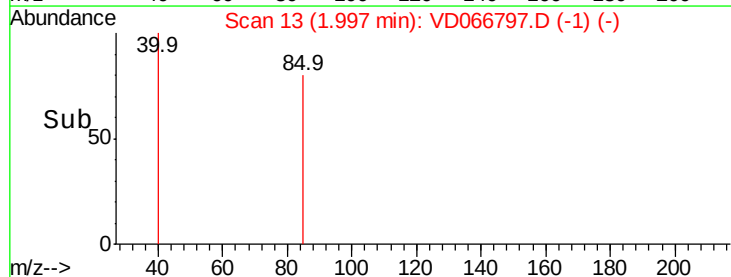
300

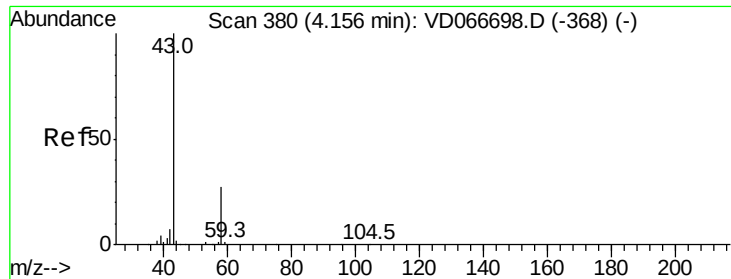
200

100

0

Time-->





#16

Acetone

Concen: 15.618 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066797.D

Acq: 21 Sep 2020 21:49

Instrument :

MSVOA_D

ClientSampleId :

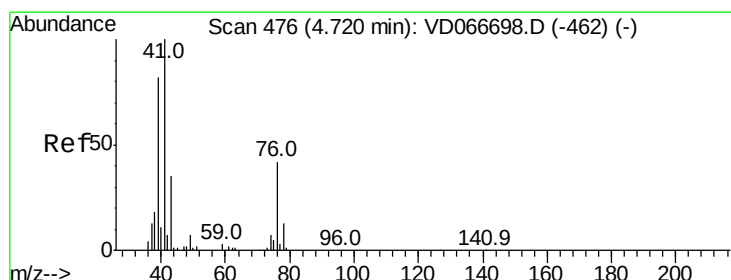
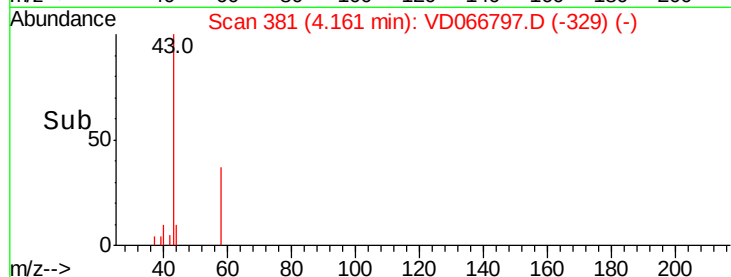
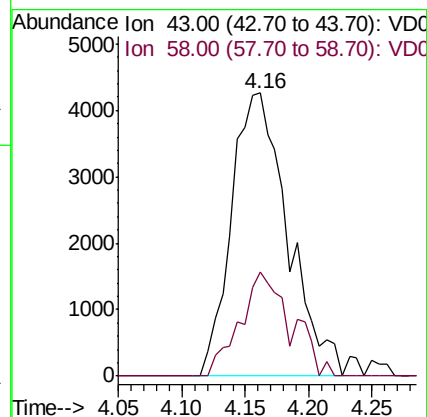
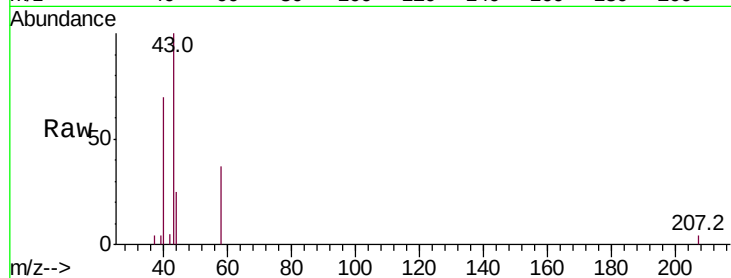
PAV-B29-092120-16-17

Tot Ion: 43 Resp: 13141

Ion Ratio Lower Upper

43 100

58 36.7 21.9 32.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD066797.D

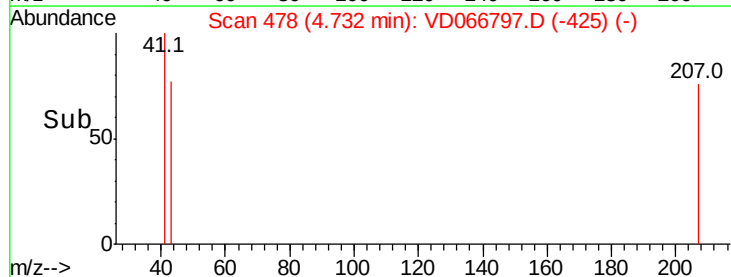
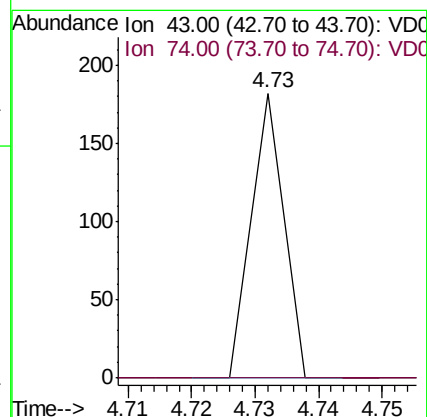
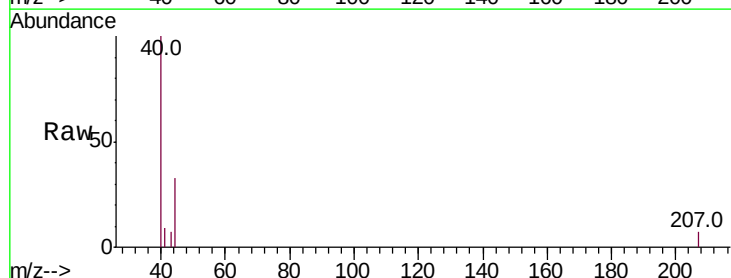
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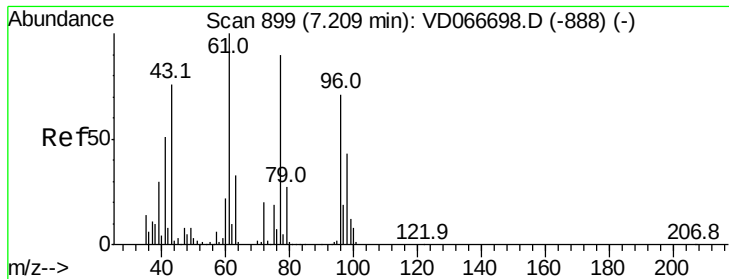
Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#





#25

2-Butanone

Concen: 2.933 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066797.D

Acq: 21 Sep 2020 21:49

Instrument :

MSVOA_D

ClientSampleId :

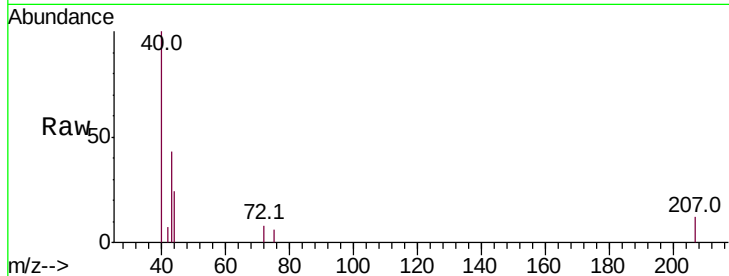
PAV-B29-092120-16-17

Tot Ion: 43 Resp: 3213

Ion Ratio Lower Upper

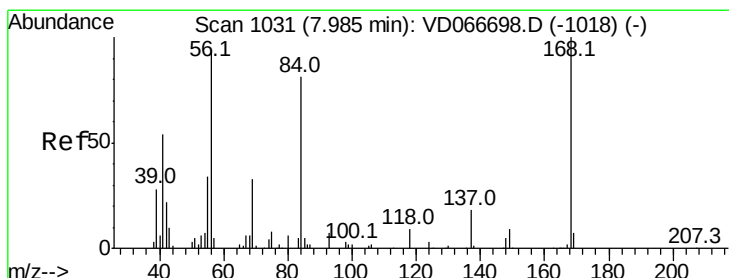
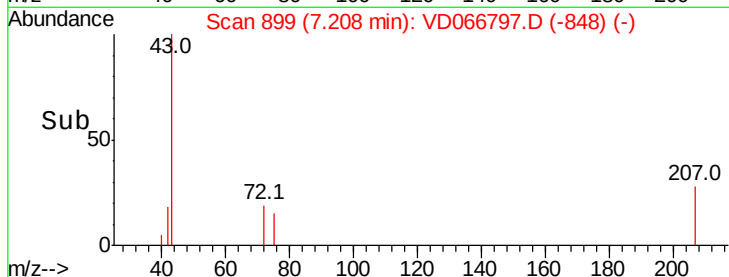
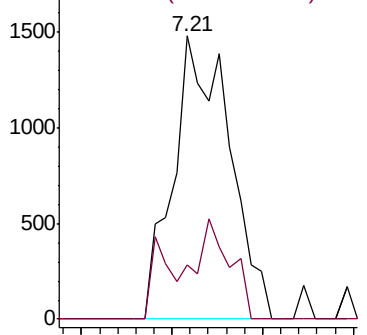
43 100

72 19.4 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066797.D

Acq: 21 Sep 2020 21:49

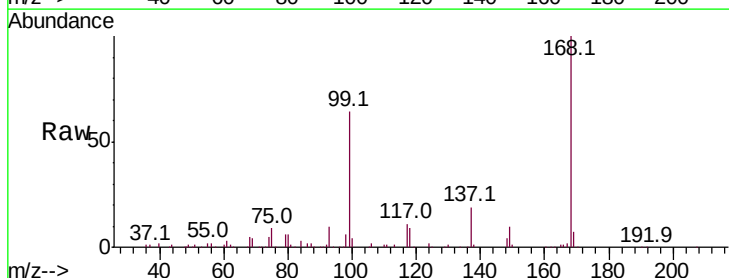
Tgt Ion: 56 Resp: 9510

Ion Ratio Lower Upper

56 100

69 163.3 27.7 41.5#

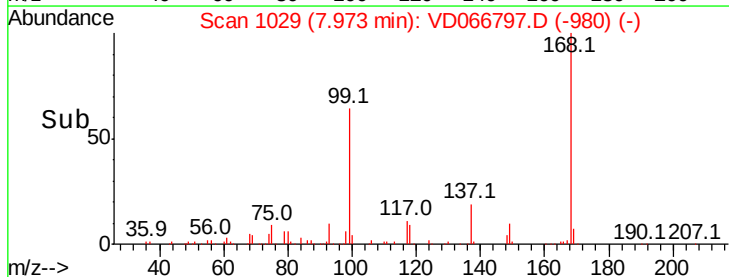
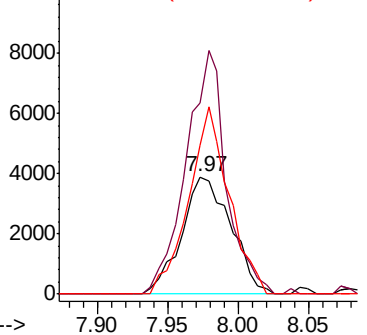
84 126.6 68.5 102.7#

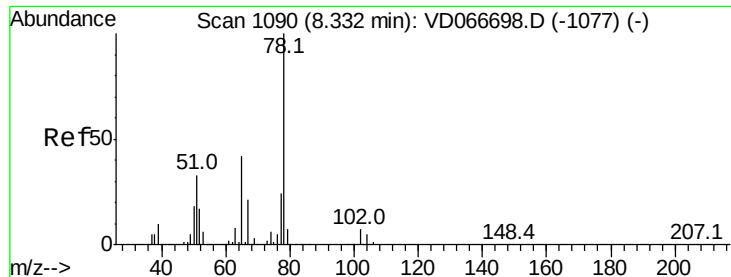


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

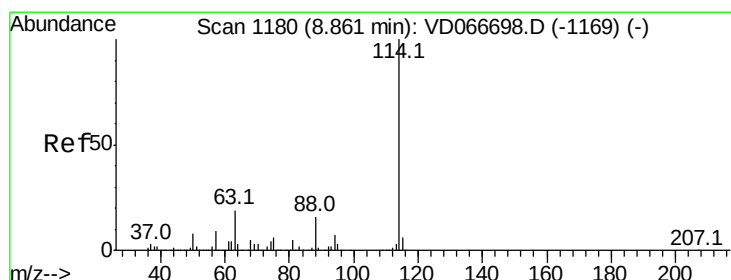
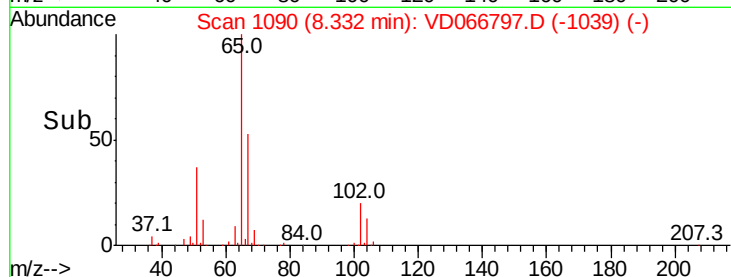
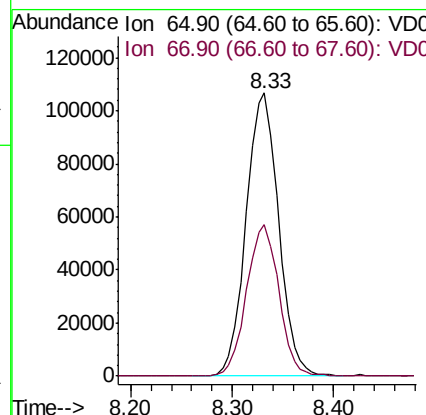
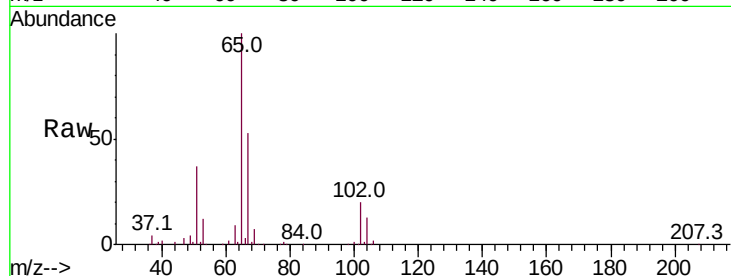




#33
 1,2-Dichloroethane-d4
 Concen: 57.505 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066797.D
 Acq: 21 Sep 2020 21:49

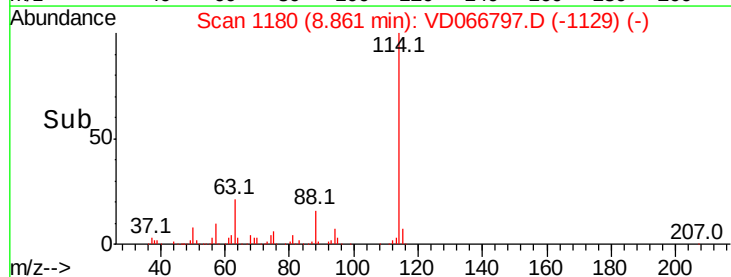
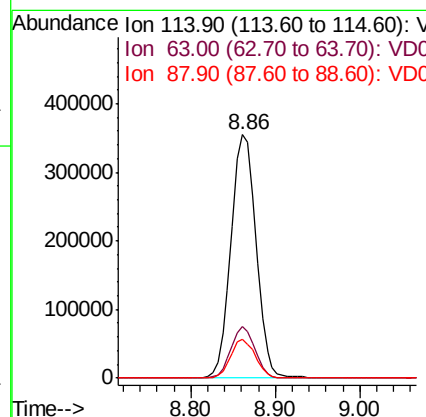
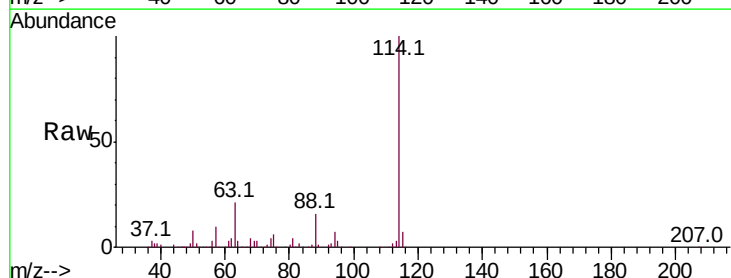
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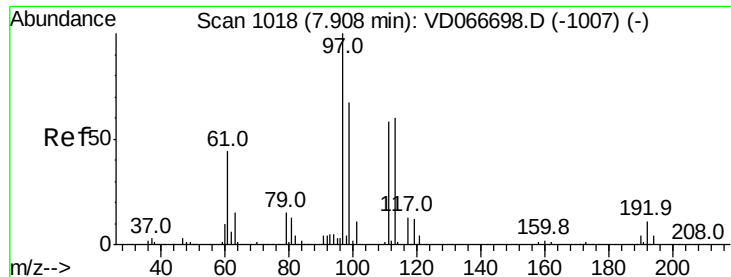
Tot Ion: 65 Resp: 237592
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066797.D
 Acq: 21 Sep 2020 21:49

Tgt Ion: 114 Resp: 728934
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.6
 88 15.9 0.0 32.2

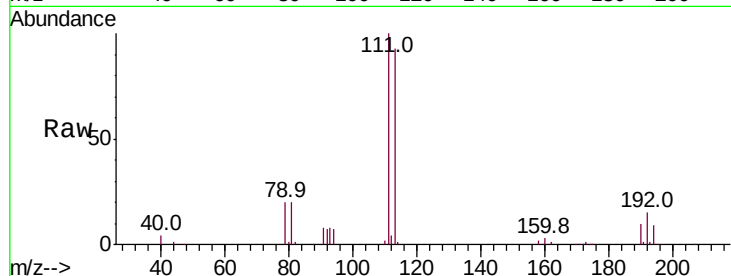




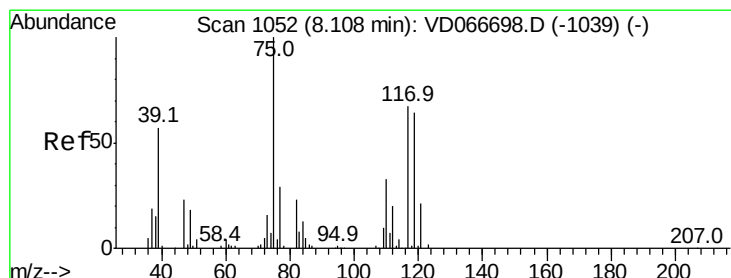
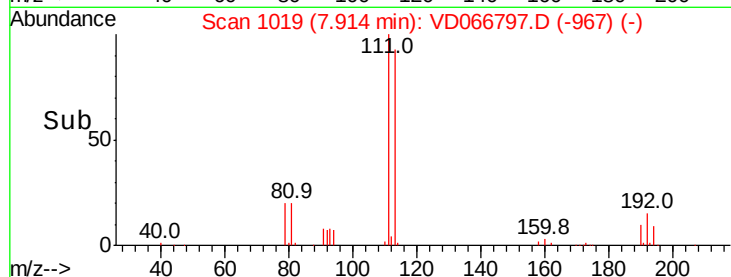
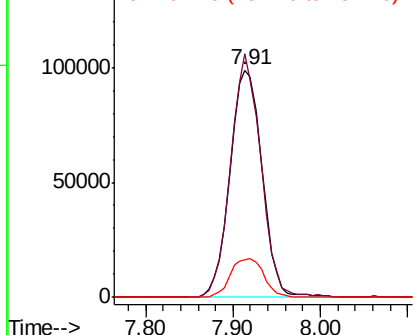
#35
 Dibromofluoromethane
 Concen: 55.033 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066797.D
 Acq: 21 Sep 2020 21:49

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B29-092120-16-17

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.2	124.8
192	17.6	14.8	22.2

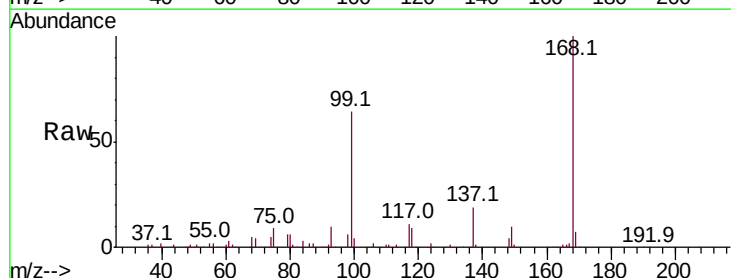


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

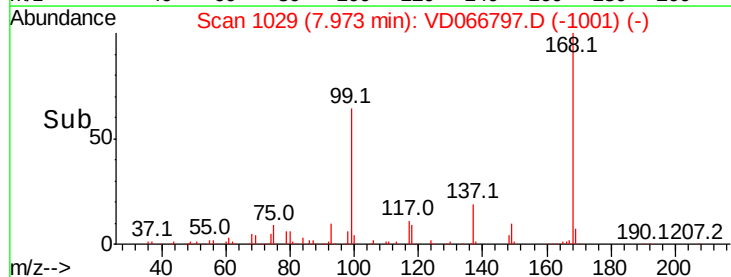
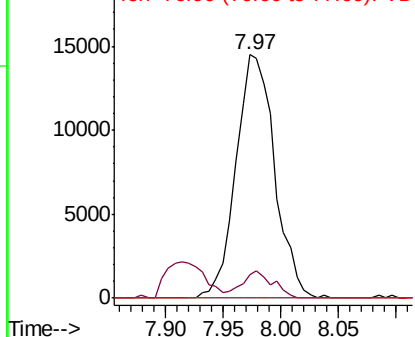


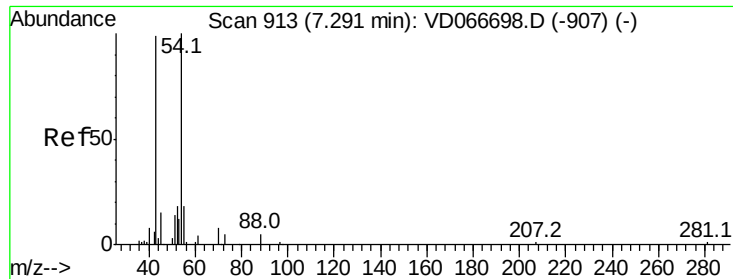
#36
 1,1-Dichloropropene
 Concen: 4.501 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066797.D
 Acq: 21 Sep 2020 21:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.1	51.2#
77	0.0	25.0	37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

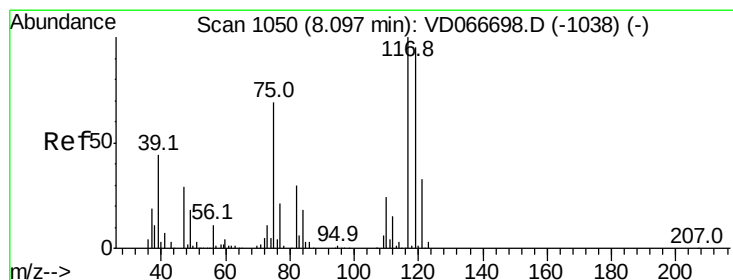
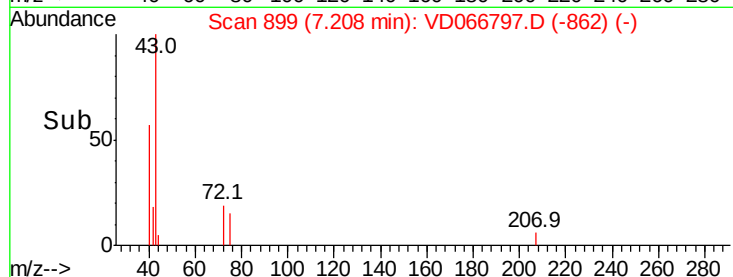
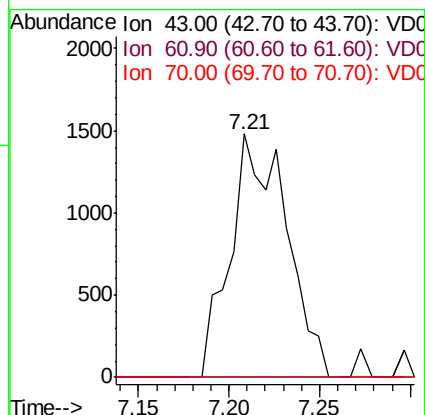
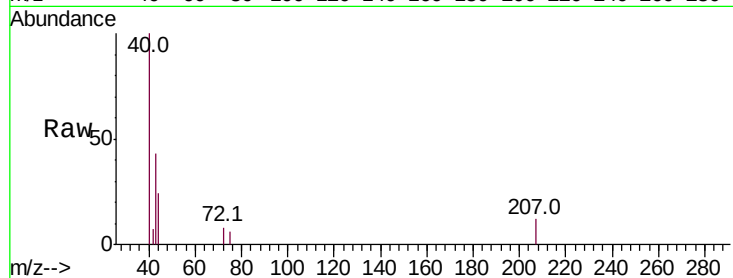




#37
Ethyl Acetate
Concen: 1.132 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.08 min
Lab File: VD066797.D
Acq: 21 Sep 2020 21:49

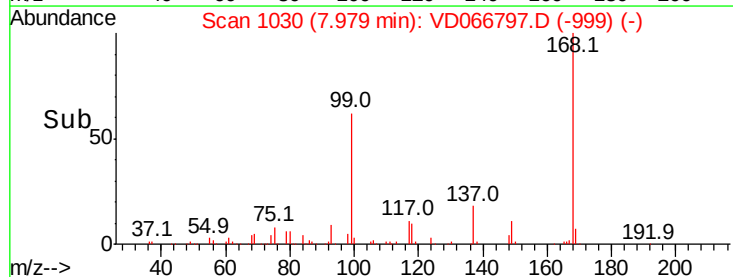
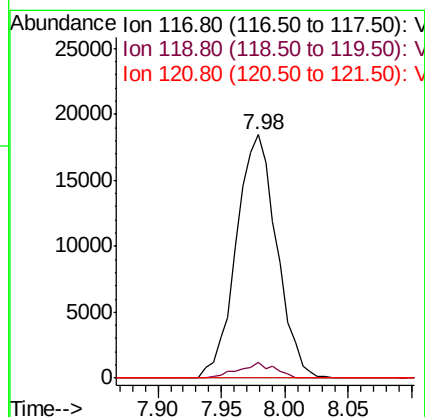
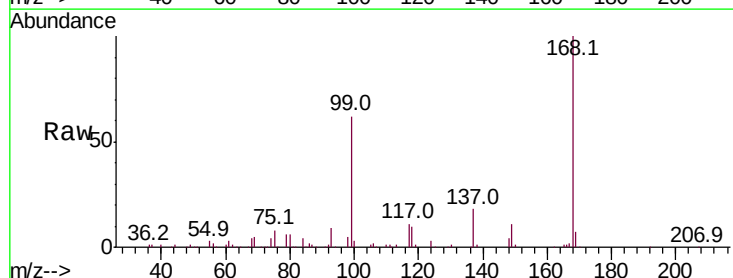
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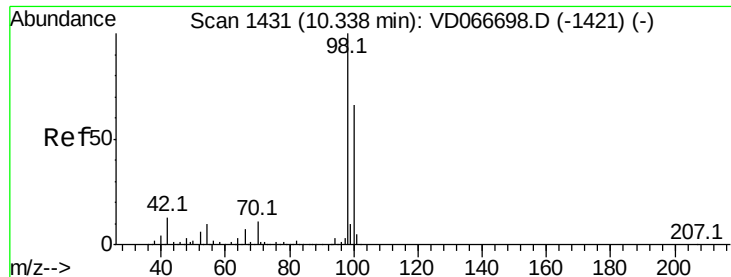
Tot Ion: 43 Resp: 3213
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066797.D
Acq: 21 Sep 2020 21:49

Tgt Ion: 117 Resp: 40783
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 26.2 39.4#

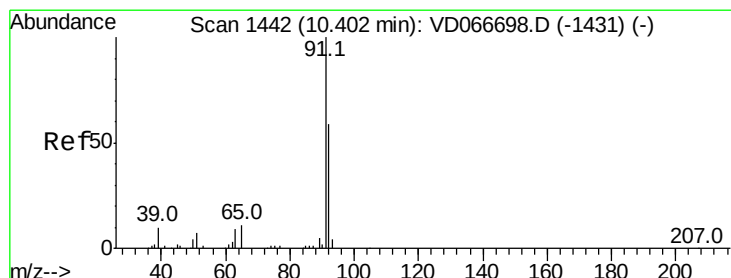
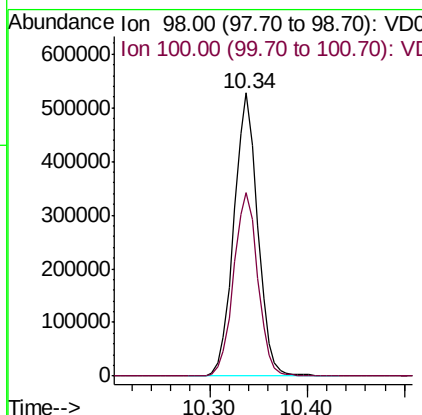
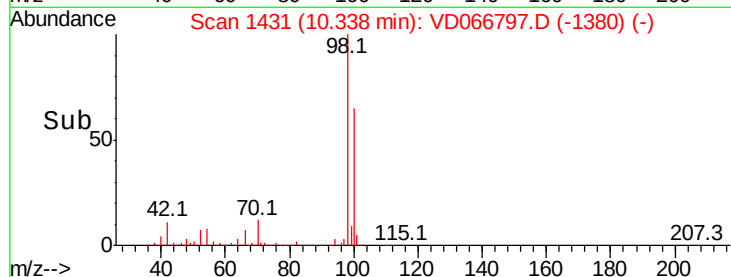
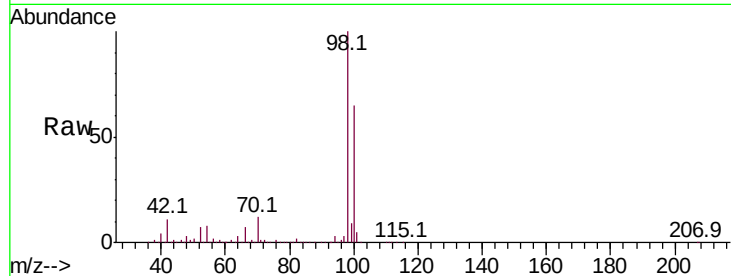




#50
Toluene-d8
Concen: 56.329 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066797.D
Acq: 21 Sep 2020 21:49

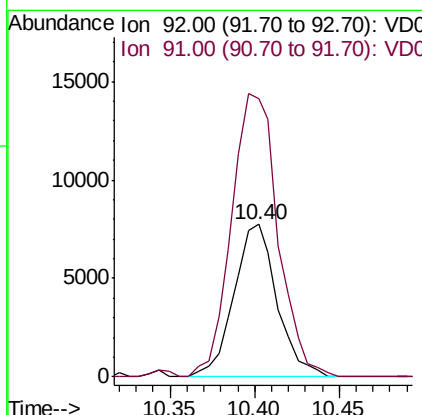
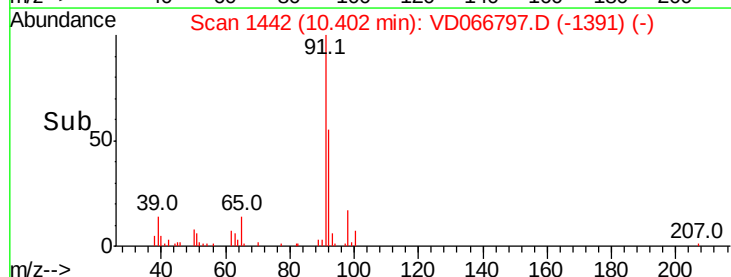
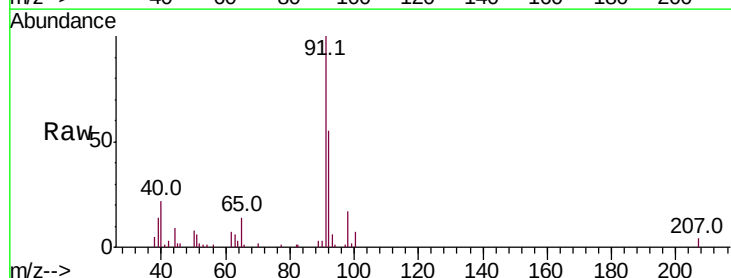
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PAV-B29-092120-16-17

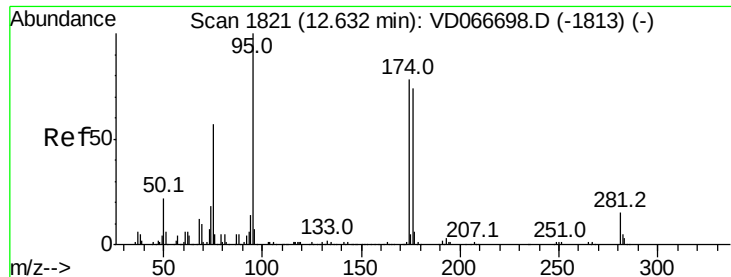
Tot Ion: 98 Resp: 896881
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#52
Toluene
Concen: 1.060 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066797.D
Acq: 21 Sep 2020 21:49

Tgt Ion: 92 Resp: 13764
Ion Ratio Lower Upper
92 100
91 200.2 135.8 203.8

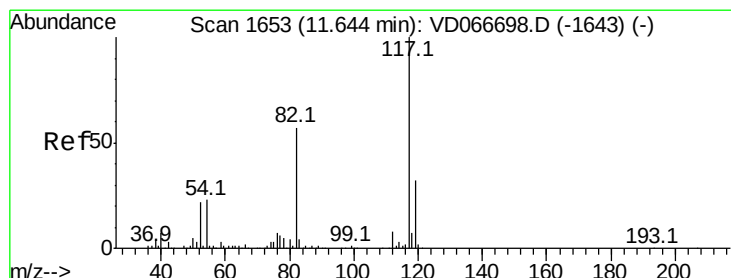
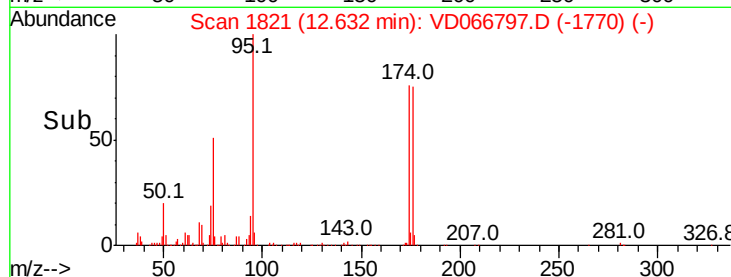
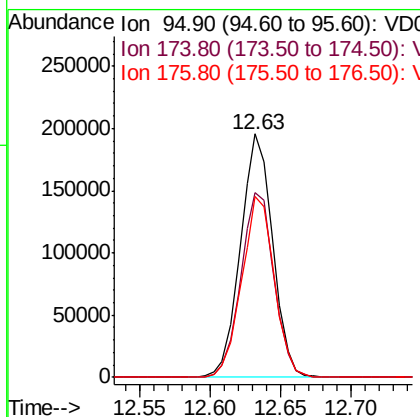
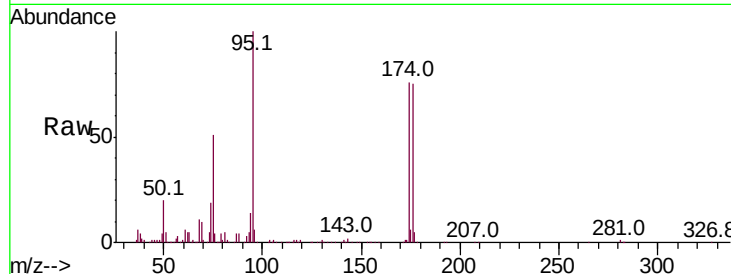




#62
4-Bromofluorobenzene
Concen: 56.586 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066797.D
Acq: 21 Sep 2020 21:49

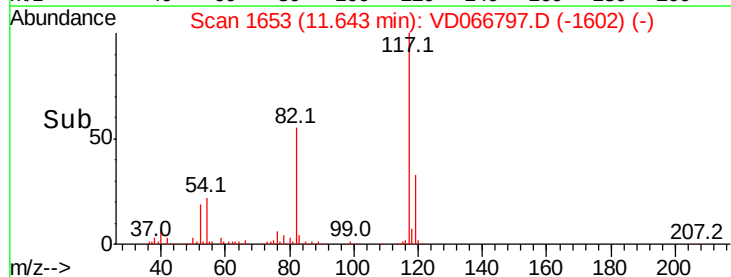
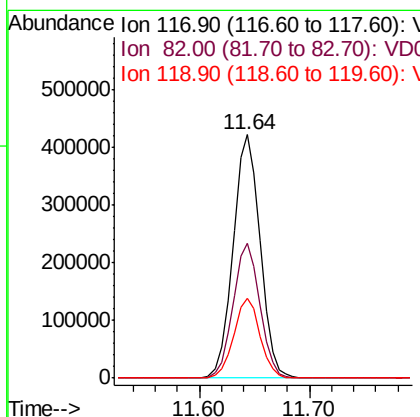
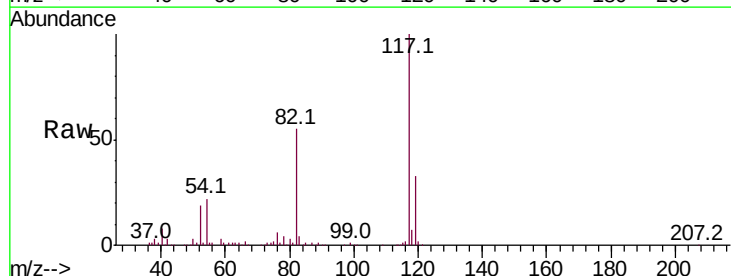
Instrument :
MSVOA_D
ClientSampleId :
PAV-B29-092120-16-17

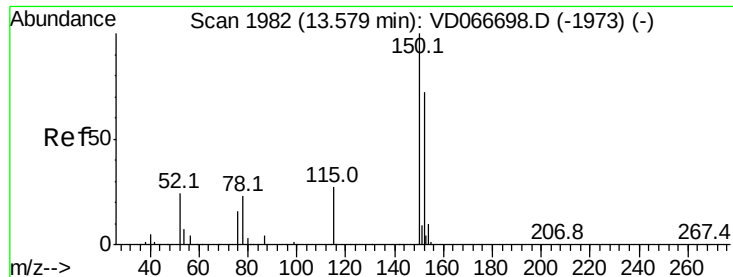
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	156.6
176	75.4	0.0	150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066797.D
Acq: 21 Sep 2020 21:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.0
119	32.9	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066797.D

Acq: 21 Sep 2020 21:49

Instrument :

MSVOA_D

ClientSampleId :

PAV-B29-092120-16-17

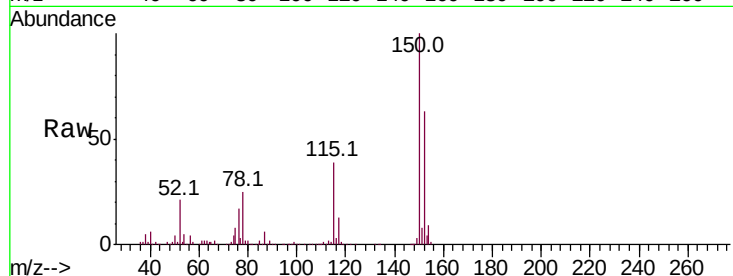
Tot Ion:152 Resp: 326960

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

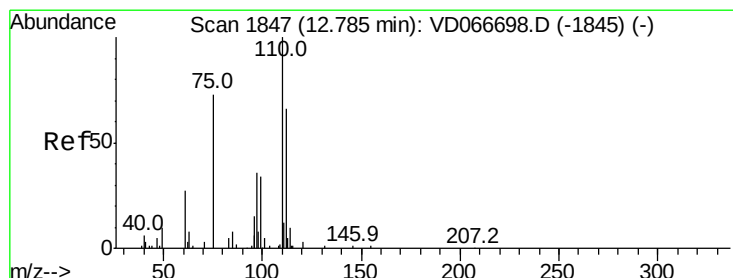
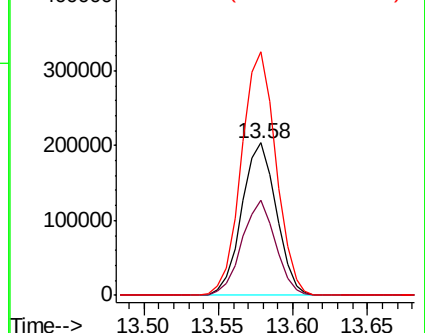
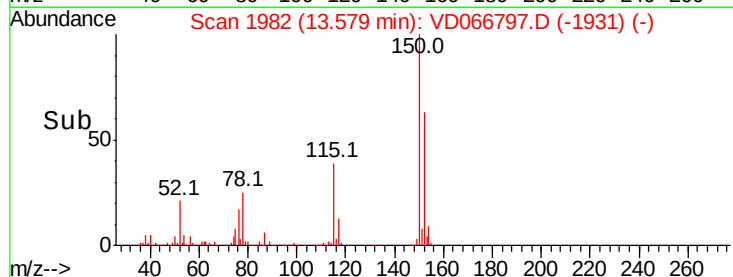
150 159.9 0.0 344.6



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: 59.201 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066797.D

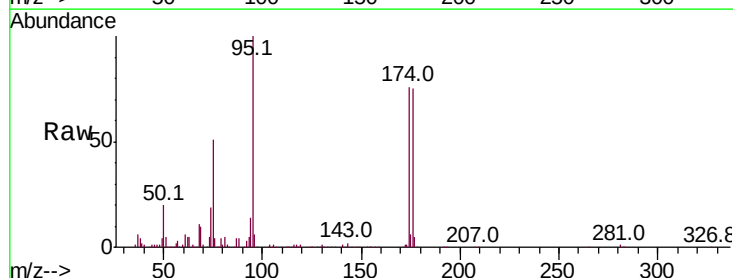
Acq: 21 Sep 2020 21:49

Tgt Ion: 75 Resp: 165682

Ion Ratio Lower Upper

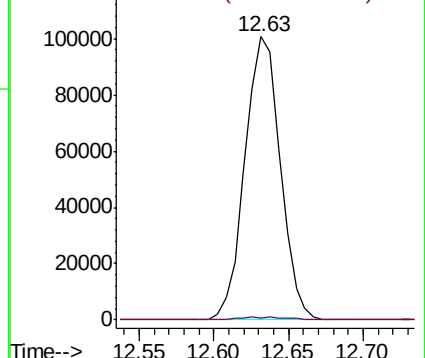
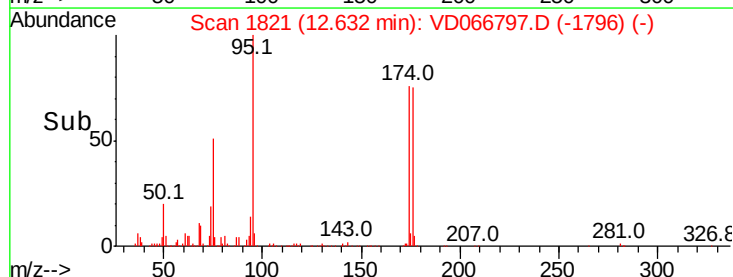
75 100

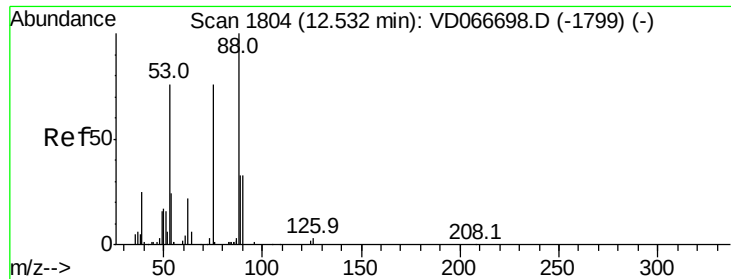
77 1.4 0.0 0.0#



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: 127.765 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066797.D

Acq: 21 Sep 2020 21:49

Instrument :

MSVOA_D

ClientSampleId :

PAV-B29-092120-16-17

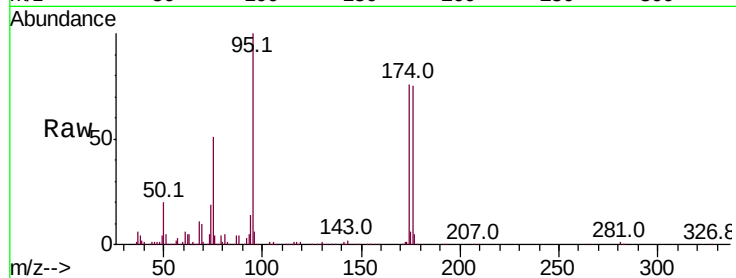
Tot Ion: 75 Resp: 165682

Ion Ratio Lower Upper

75 100

53 0.2 82.2 123.4#

89 0.0 39.6 59.4#



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

