

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066718.D
 Acq On : 16 Sep 2020 14:36
 Operator : VA/SY
 Sample : L4007-01
 Misc : 3.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929

Quant Time: Sep 17 00:51:04 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

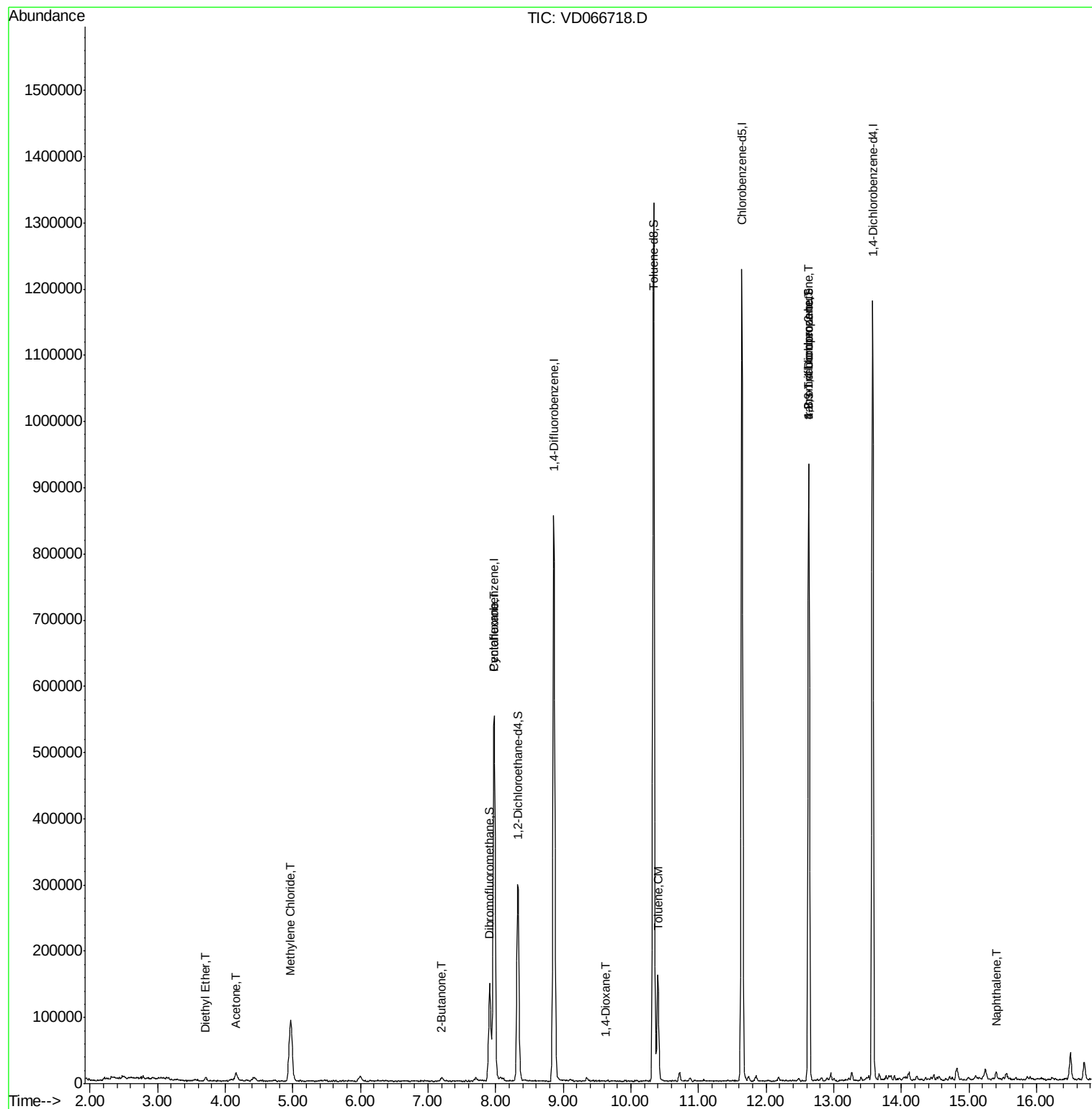
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	377130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	708313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	669369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	244914	60.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.74%	
35) Dibromofluoromethane	7.91	113	101402	23.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.70%	
50) Toluene-d8	10.34	98	865471	55.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.88%	
62) 4-Bromofluorobenzene	12.63	95	295250	55.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.56%	
Target Compounds						
2) Dichlorodifluoromethane	1.98	85	1025	Below Cal		92
8) Diethyl Ether	3.70	74	2411	1.298 ug/l		91
16) Acetone	4.16	43	21755	26.550 ug/l		96
18) Methyl Acetate	4.67	43	56	Below Cal	#	52
20) Methylene Chloride	4.97	84	70934	10.252 ug/l		96
25) 2-Butanone	7.21	43	1817	1.703 ug/l		90
31) Cyclohexane	7.98	56	12586	1.771 ug/l	#	50
49) 1,4-Dioxane	9.63	88	60	2.093 ug/l	#	25
52) Toluene	10.40	92	67132	5.319 ug/l		100
76) 1,2,3-Trichloropropane	12.63	75	161490	64.800 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161490	139.850 ug/l	#	8
95) Naphthalene	15.41	128	10859	1.248 ug/l		99

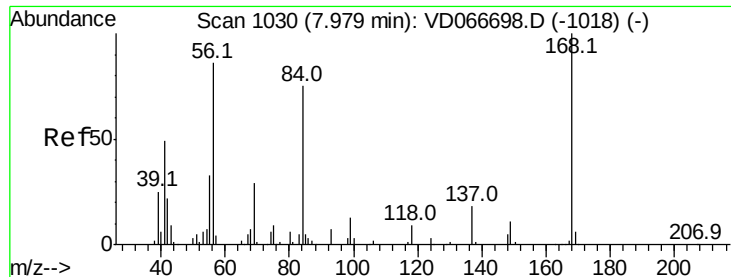
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
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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: VD066718.D

Acq: 16 Sep 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

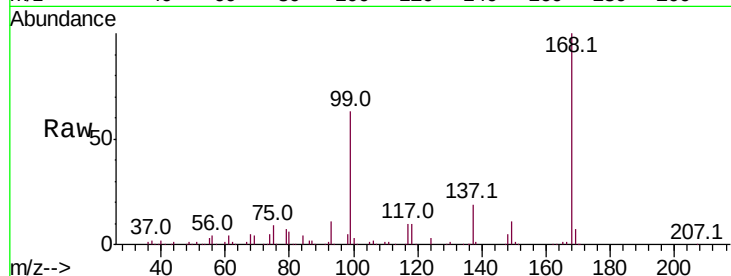
72-11929

Tot Ion:168 Resp: 377130

Ion Ratio Lower Upper

168 100

99 63.0 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

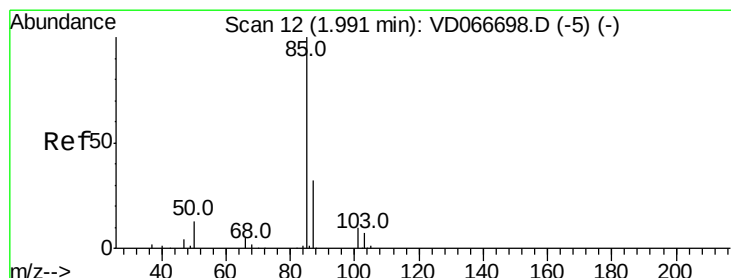
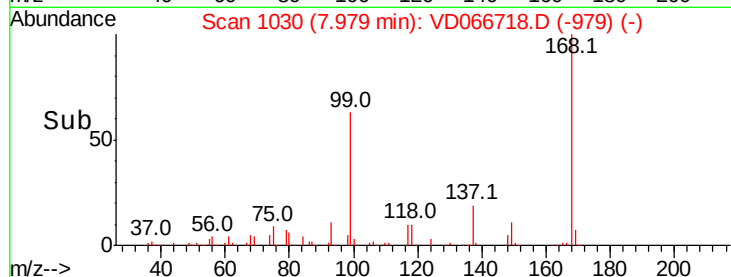
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066718.D

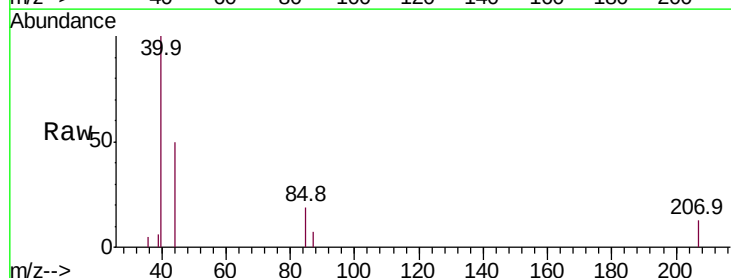
Acq: 16 Sep 2020 14:36

Tgt Ion: 85 Resp: 1025

Ion Ratio Lower Upper

85 100

87 35.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

800

600

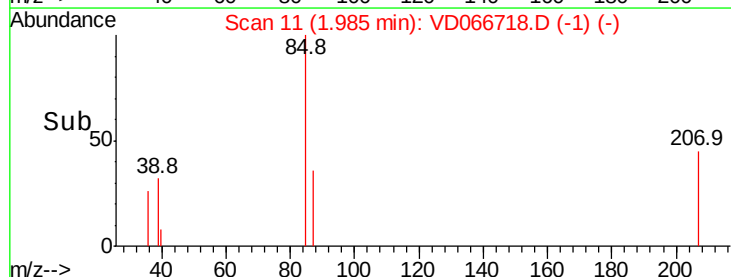
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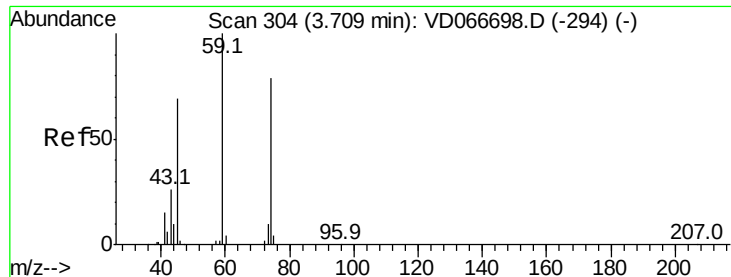
200

0

Time-->

1.94 1.96 1.98 2.00 2.02





#8

Diethyl Ether

Concen: 1.298 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066718.D

Acq: 16 Sep 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

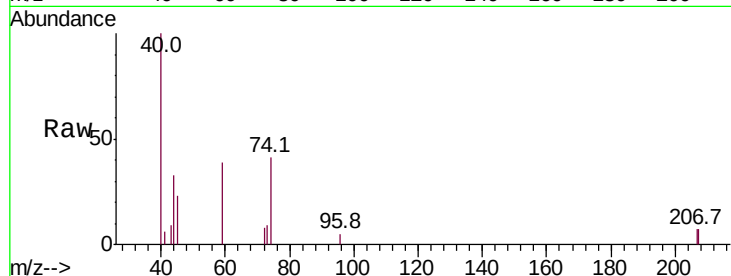
72-11929

Tot Ion: 74 Resp: 2411

Ion Ratio Lower Upper

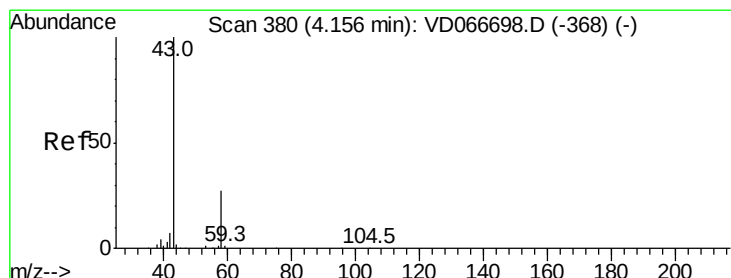
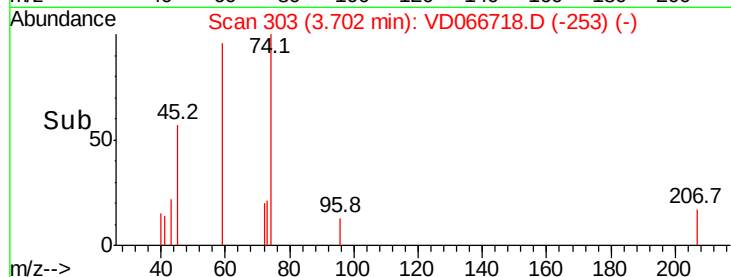
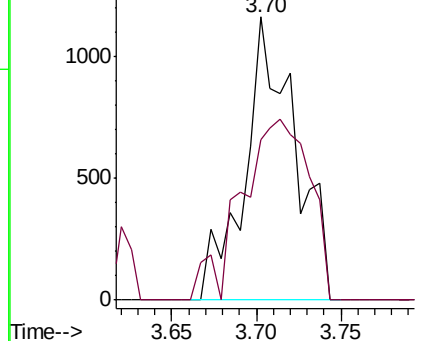
74 100

45 87.3 48.0 144.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#16

Acetone

Concen: 26.550 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066718.D

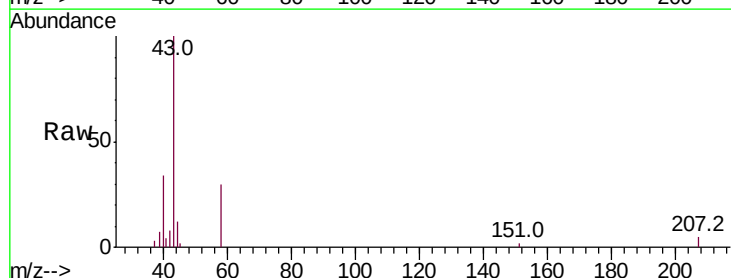
Acq: 16 Sep 2020 14:36

Tgt Ion: 43 Resp: 21755

Ion Ratio Lower Upper

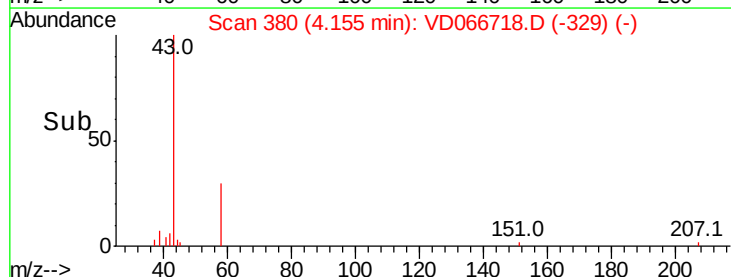
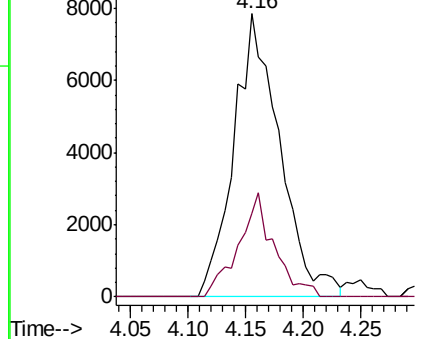
43 100

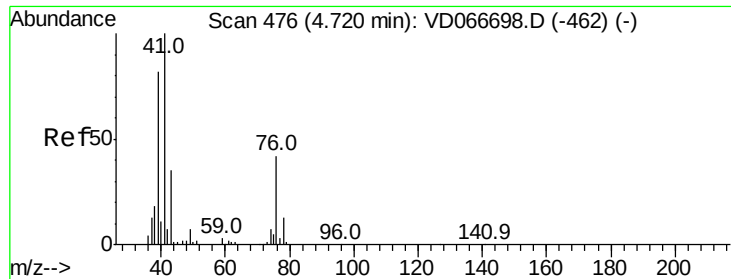
58 29.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

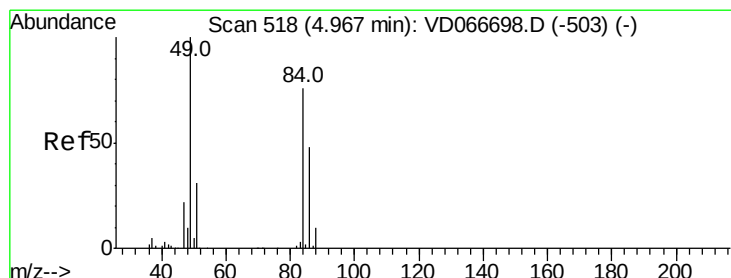
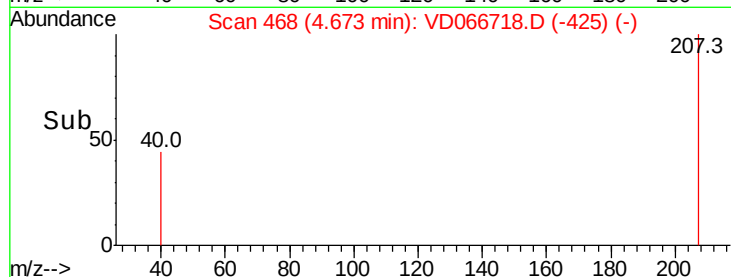
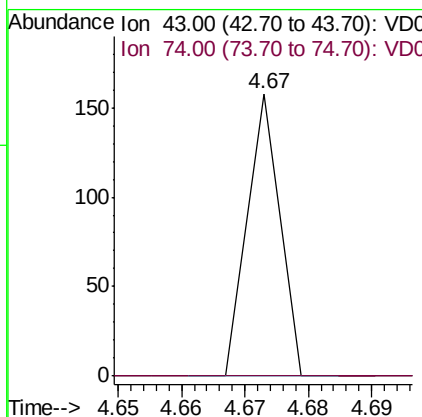
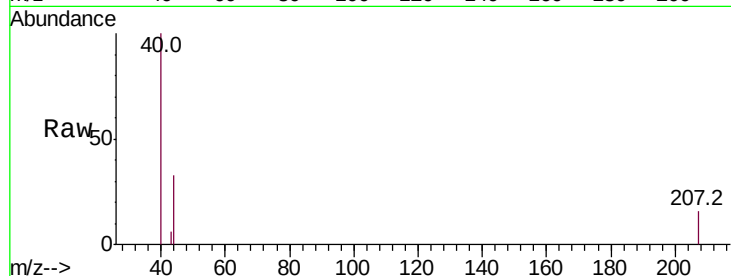




#18
Methyl Acetate
Concen: Below Cal
RT: 4.67 min Scan# 468
Delta R.T. -0.05 min
Lab File: VD066718.D
Acq: 16 Sep 2020 14:36

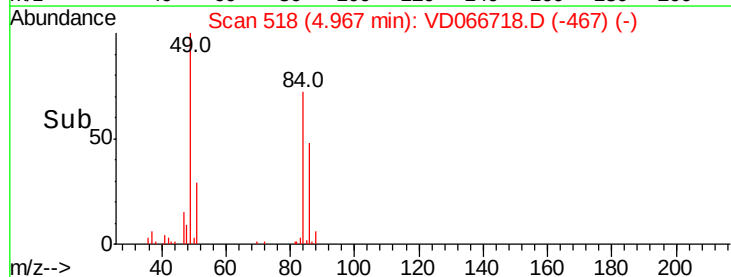
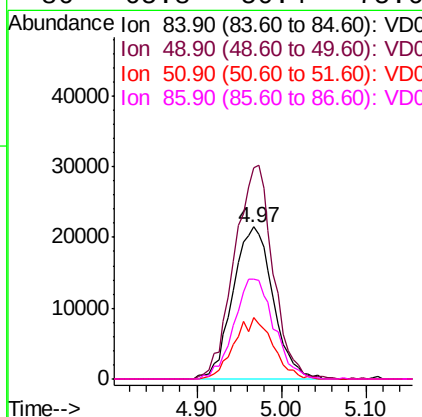
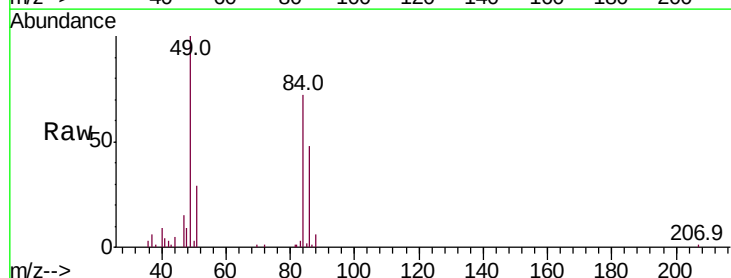
Instrument :
MSVOA_D
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72-11929

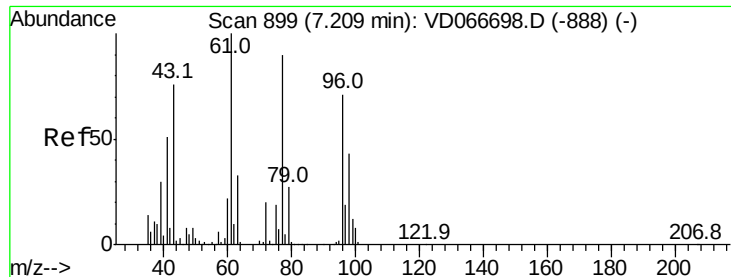
Tot Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 10.252 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066718.D
Acq: 16 Sep 2020 14:36

Tgt Ion: 84 Resp: 70934
Ion Ratio Lower Upper
84 100
49 138.5 105.0 157.6
51 40.0 32.2 48.4
86 65.8 50.4 75.6

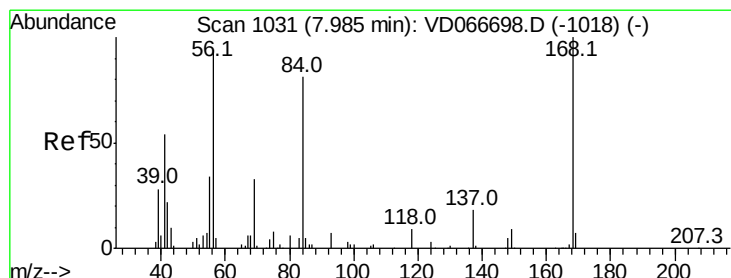
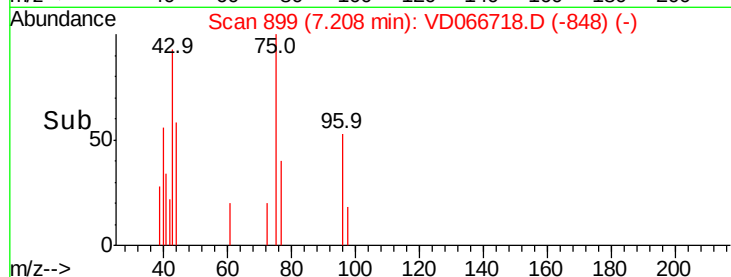
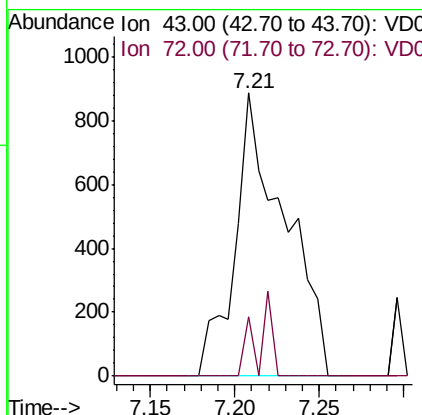
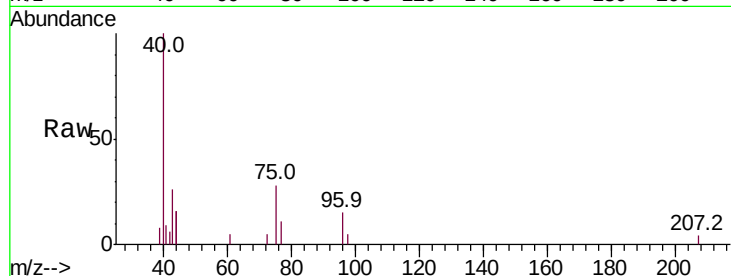




#25
 2-Butanone
 Concen: 1.703 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066718.D
 Acq: 16 Sep 2020 14:36

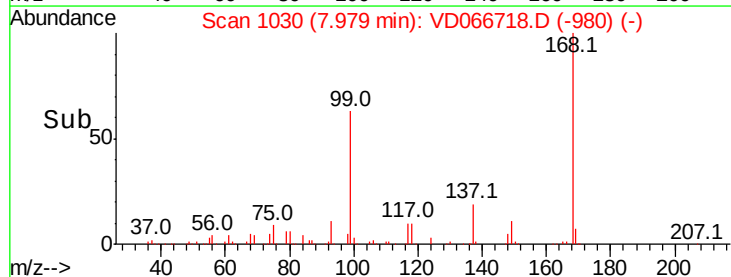
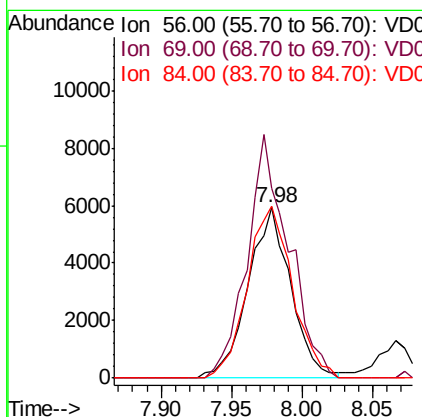
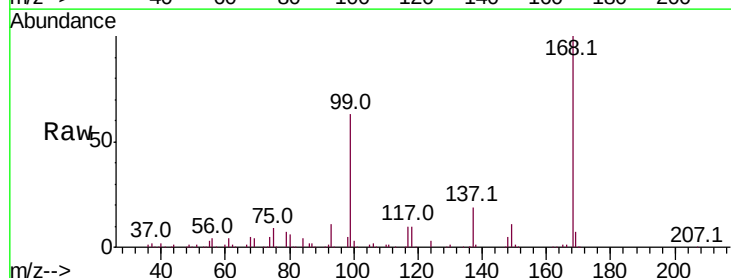
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929

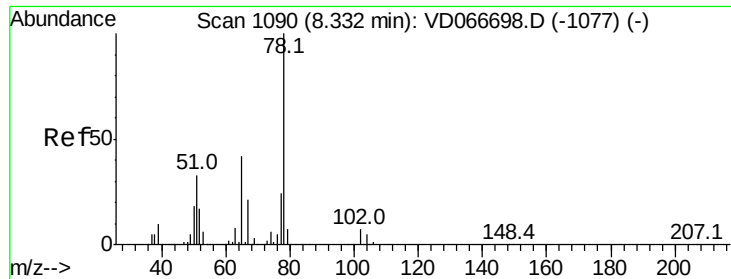
Tot Ion: 43 Resp: 1817
 Ion Ratio Lower Upper
 43 100
 72 21.1 21.0 31.4



#31
 Cyclohexane
 Concen: 1.771 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD066718.D
 Acq: 16 Sep 2020 14:36

Tgt Ion: 56 Resp: 12586
 Ion Ratio Lower Upper
 56 100
 69 111.3 27.7 41.5#
 84 100.7 68.5 102.7

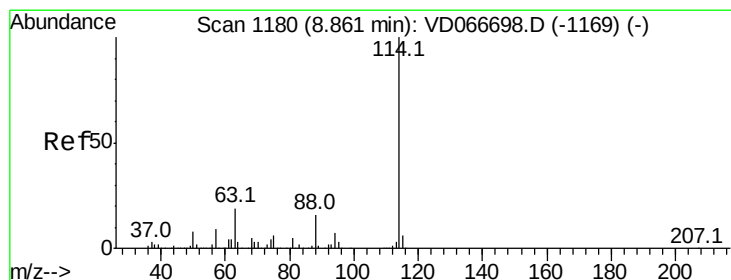
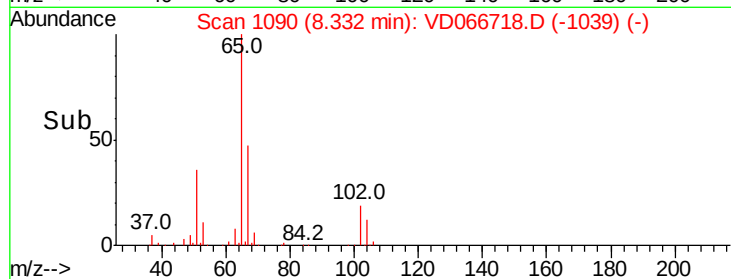
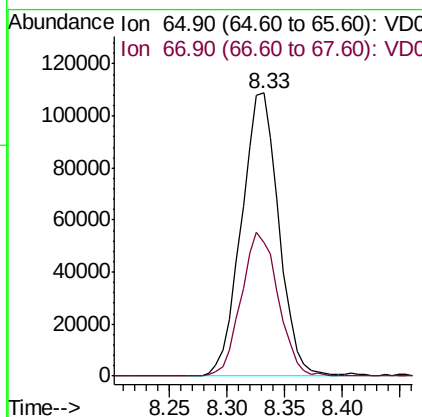
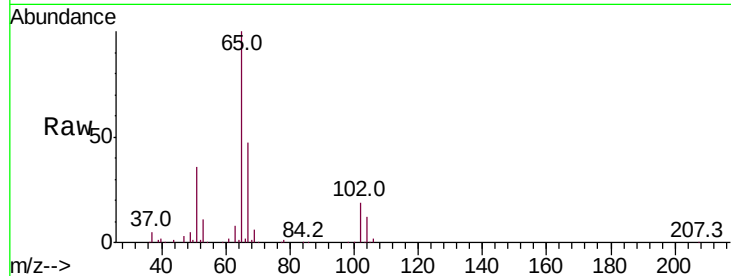




#33
 1,2-Dichloroethane-d4
 Concen: 60.867 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066718.D
 Acq: 16 Sep 2020 14:36

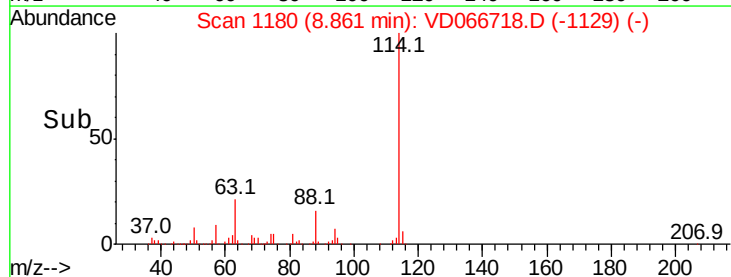
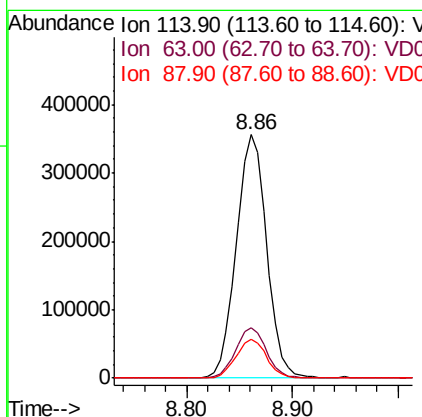
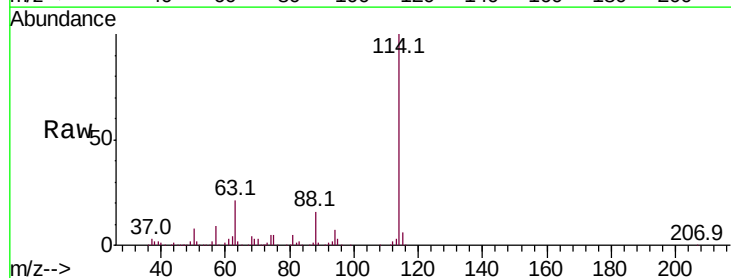
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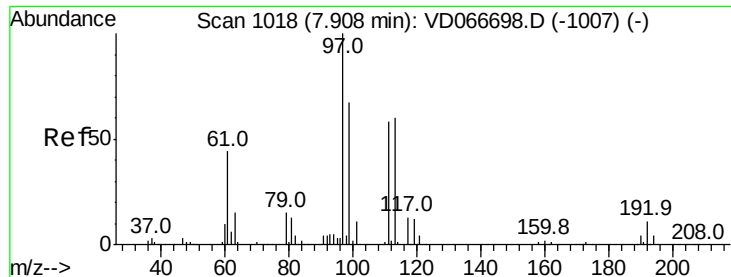
Tot Ion: 65 Resp: 244914
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066718.D
 Acq: 16 Sep 2020 14:36

Tgt Ion: 114 Resp: 708313
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.6
 88 15.8 0.0 32.2

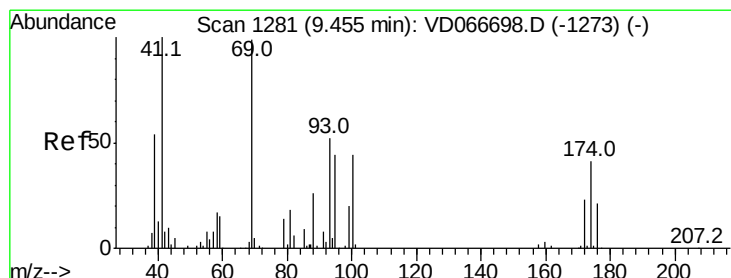
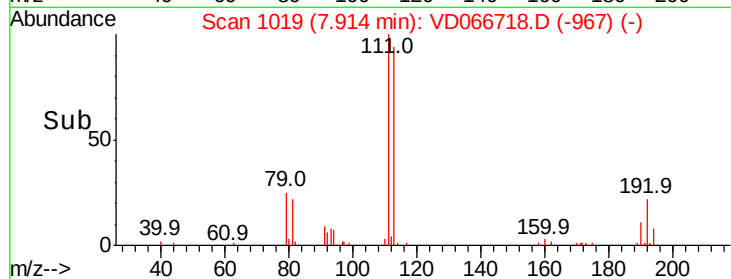
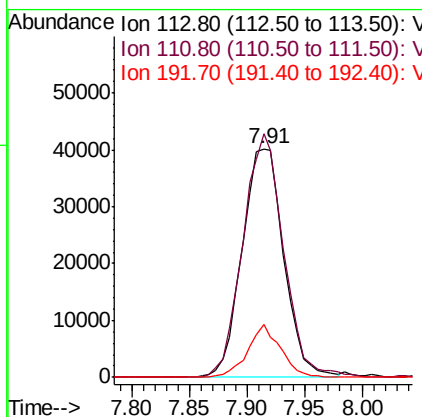
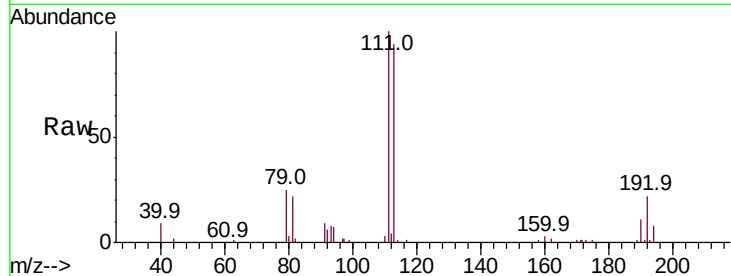




#35
 Dibromofluoromethane
 Concen: 23.350 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066718.D
 Acq: 16 Sep 2020 14:36

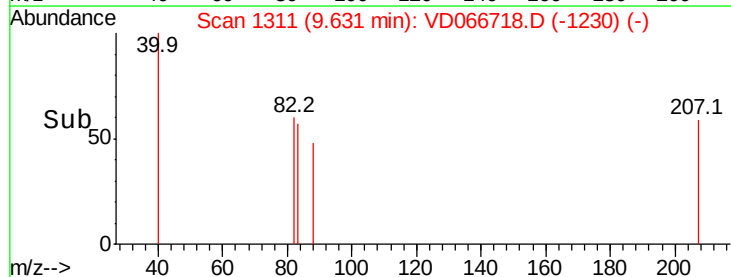
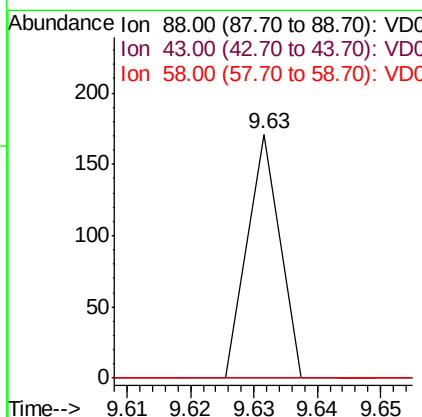
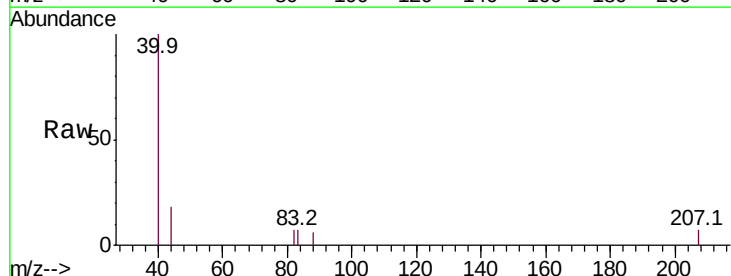
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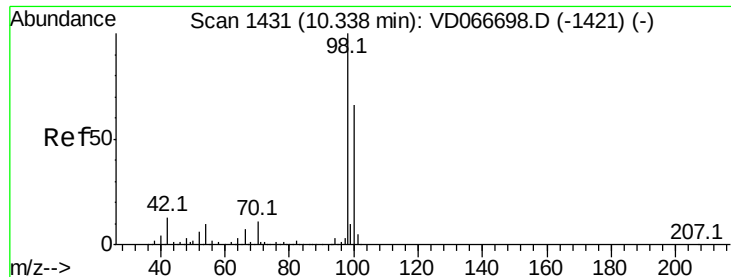
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.2	124.8
192	18.0	14.8	22.2



#49
 1,4-Dioxane
 Concen: 2.093 ug/l
 RT: 9.63 min Scan# 1311
 Delta R.T. 0.18 min
 Lab File: VD066718.D
 Acq: 16 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.3	43.9#
58	0.0	51.4	77.2#

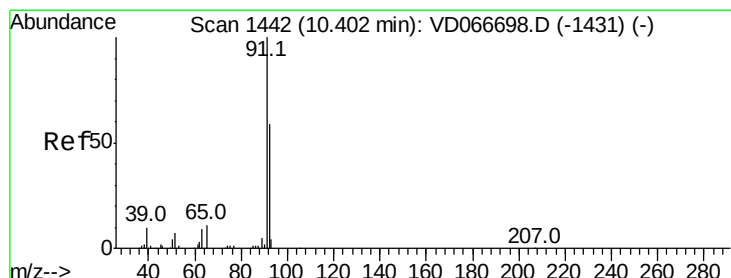
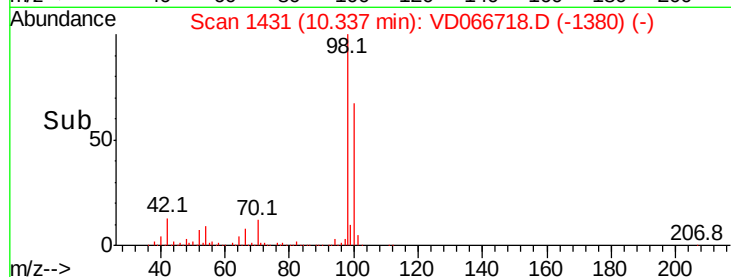
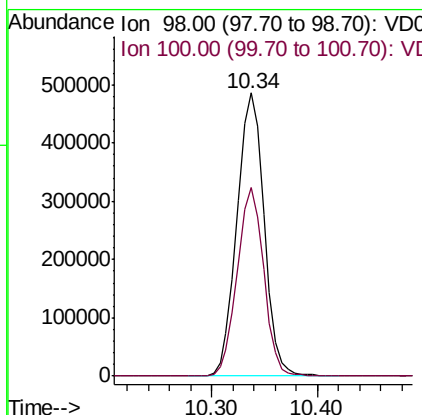
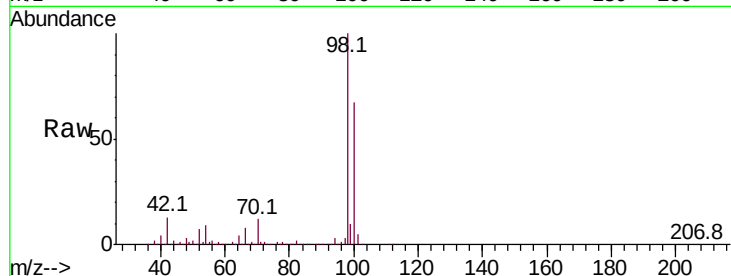




#50
Toluene-d8
Concen: 55.939 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066718.D
Acq: 16 Sep 2020 14:36

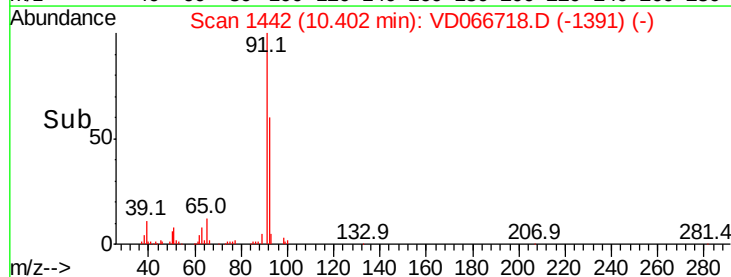
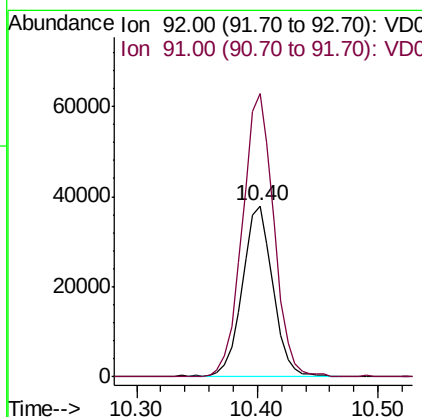
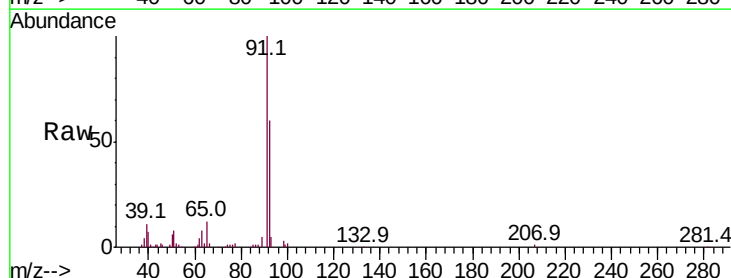
Instrument :
MSVOA_D
ClientSampled :
72-11929

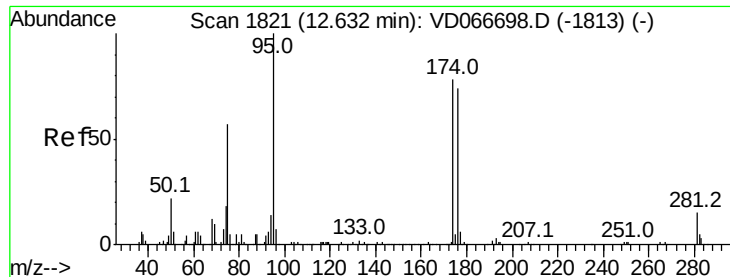
Tot Ion: 98 Resp: 865471
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#52
Toluene
Concen: 5.319 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066718.D
Acq: 16 Sep 2020 14:36

Tgt Ion: 92 Resp: 67132
Ion Ratio Lower Upper
92 100
91 170.4 135.8 203.8

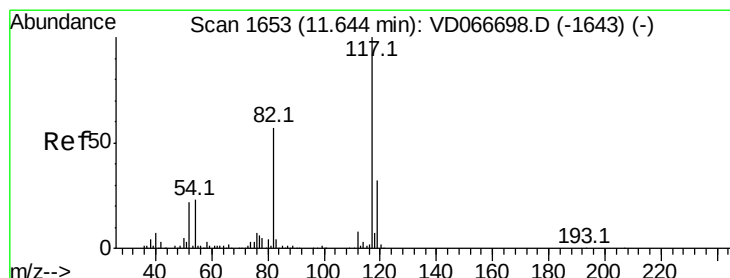
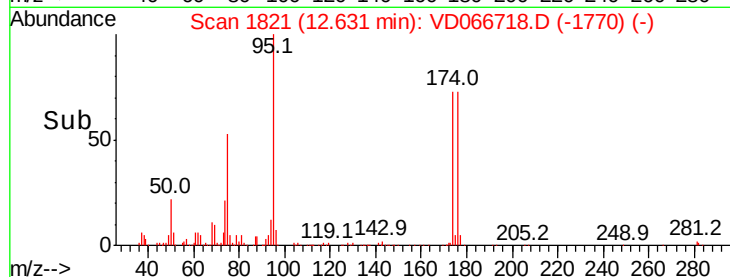
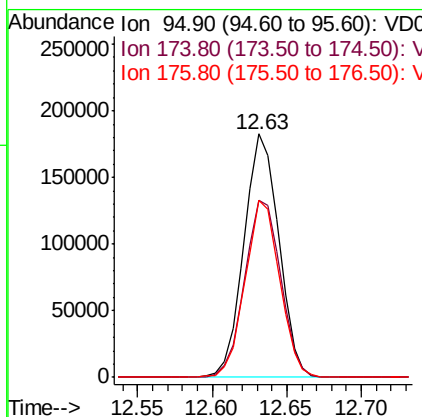
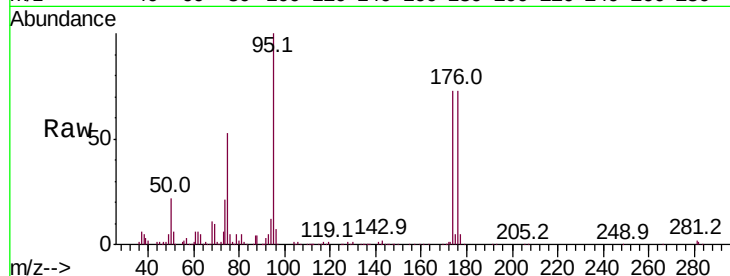




#62
4-Bromofluorobenzene
Concen: 55.283 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066718.D
Acq: 16 Sep 2020 14:36

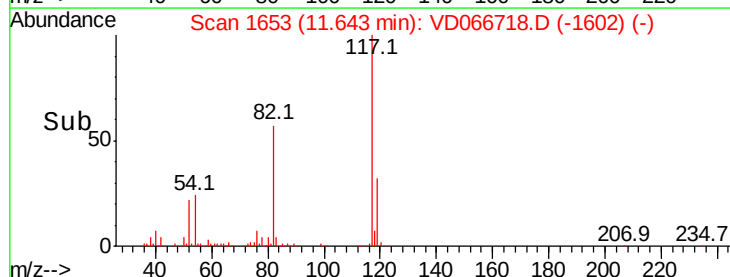
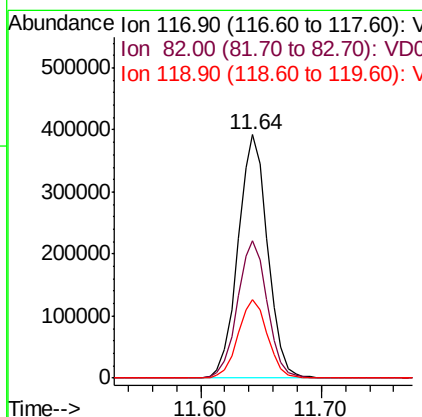
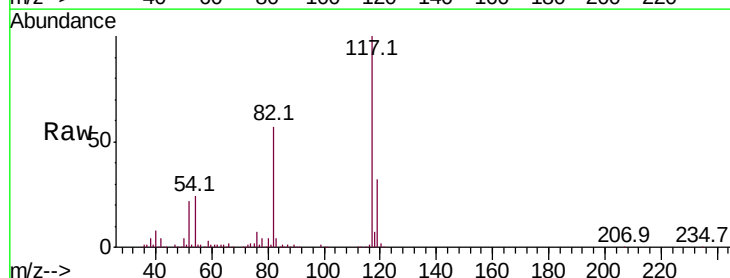
Instrument :
MSVOA_D
ClientSampleId :
72-11929

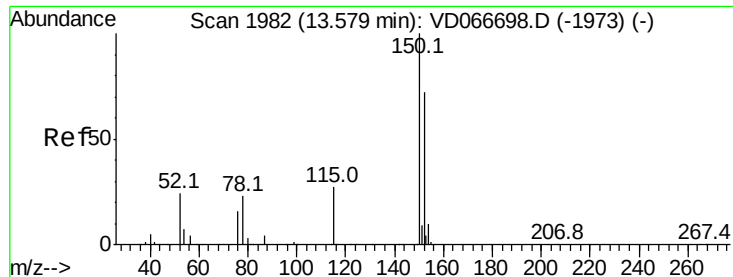
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	156.6
176	72.0	0.0	150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066718.D
Acq: 16 Sep 2020 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.4	68.0
119	32.0	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: VD066718.D

Acq: 16 Sep 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

72-11929

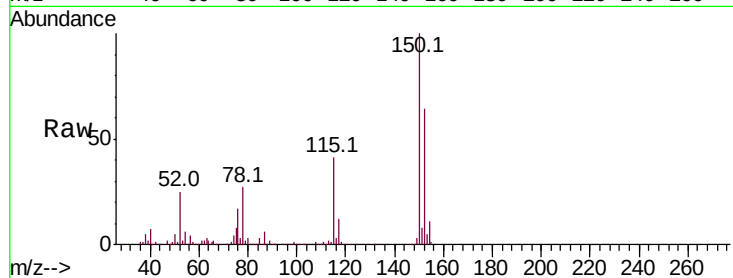
Tot Ion:152 Resp: 291150

Ion Ratio Lower Upper

152 100

115 63.4 30.5 91.5

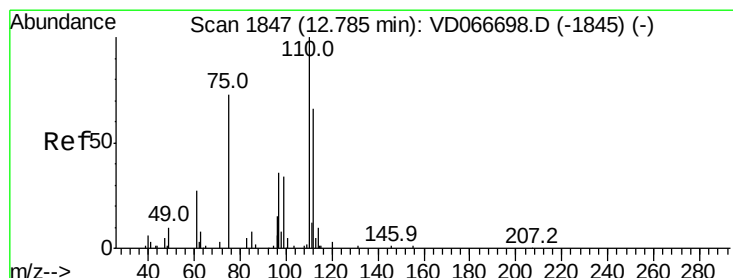
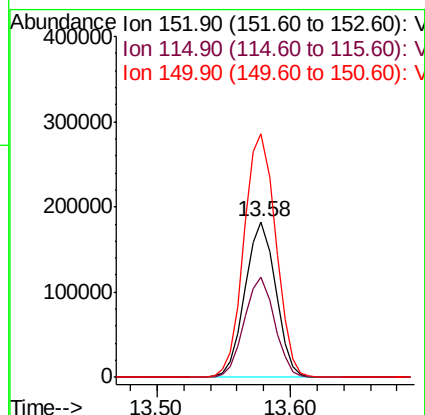
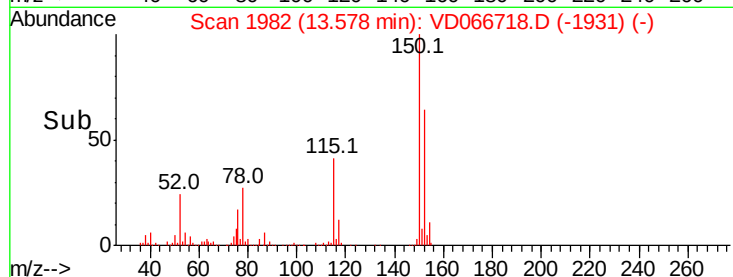
150 162.0 0.0 344.6



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: 64.800 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066718.D

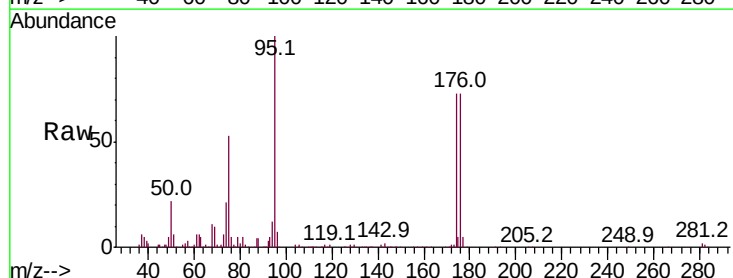
Acq: 16 Sep 2020 14:36

Tgt Ion: 75 Resp: 161490

Ion Ratio Lower Upper

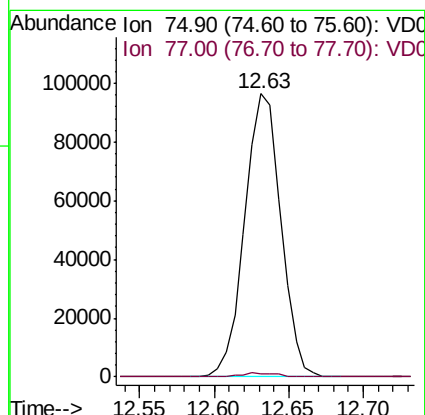
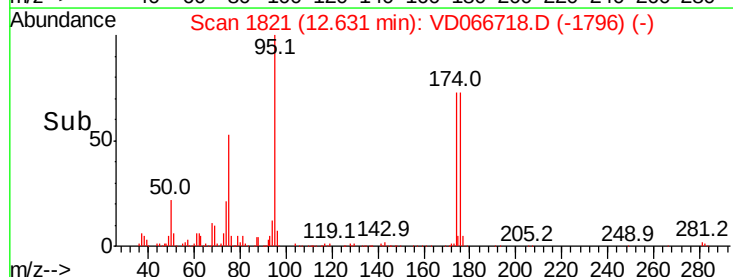
75 100

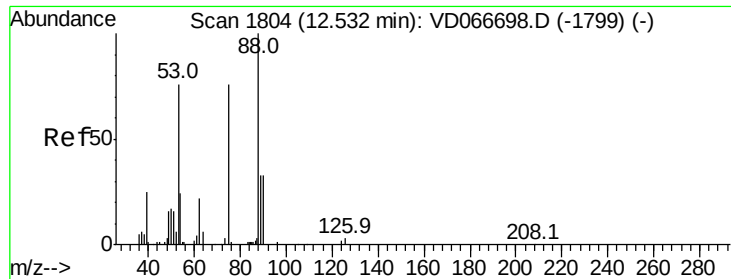
77 1.3 0.0 0.0#



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: 139.850 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066718.D

Acq: 16 Sep 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

72-11929

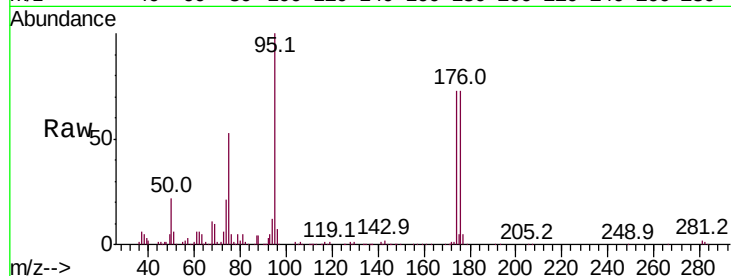
Tot Ion: 75 Resp: 161490

Ion Ratio Lower Upper

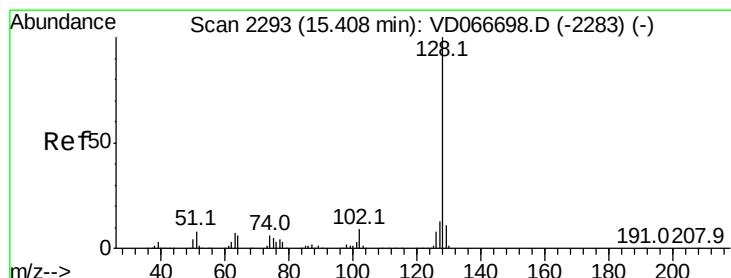
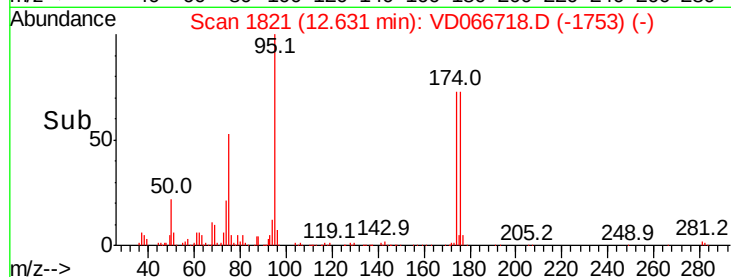
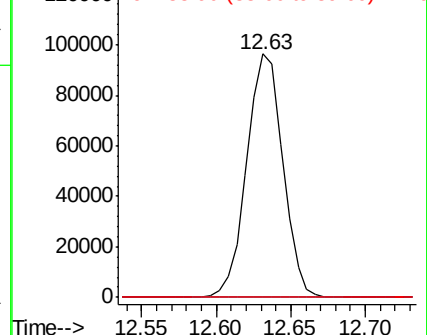
75 100

53 0.0 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



#95

Naphthalene

Concen: 1.248 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066718.D

Acq: 16 Sep 2020 14:36

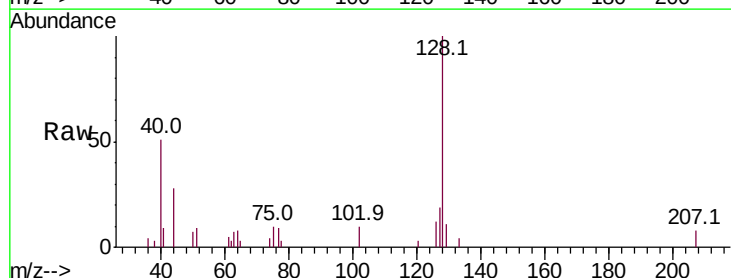
Tgt Ion: 128 Resp: 10859

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 9.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

