

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066738.D
 Acq On : 17 Sep 2020 12:20
 Operator : VA/SY
 Sample : L4007-01RE
 Misc : 4.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

Quant Time: Sep 18 01:14:29 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	398721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	731569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	700649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233162	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	7.91	113	88322	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
50) Toluene-d8	10.34	98	888815	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
62) 4-Bromofluorobenzene	12.63	95	295095	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

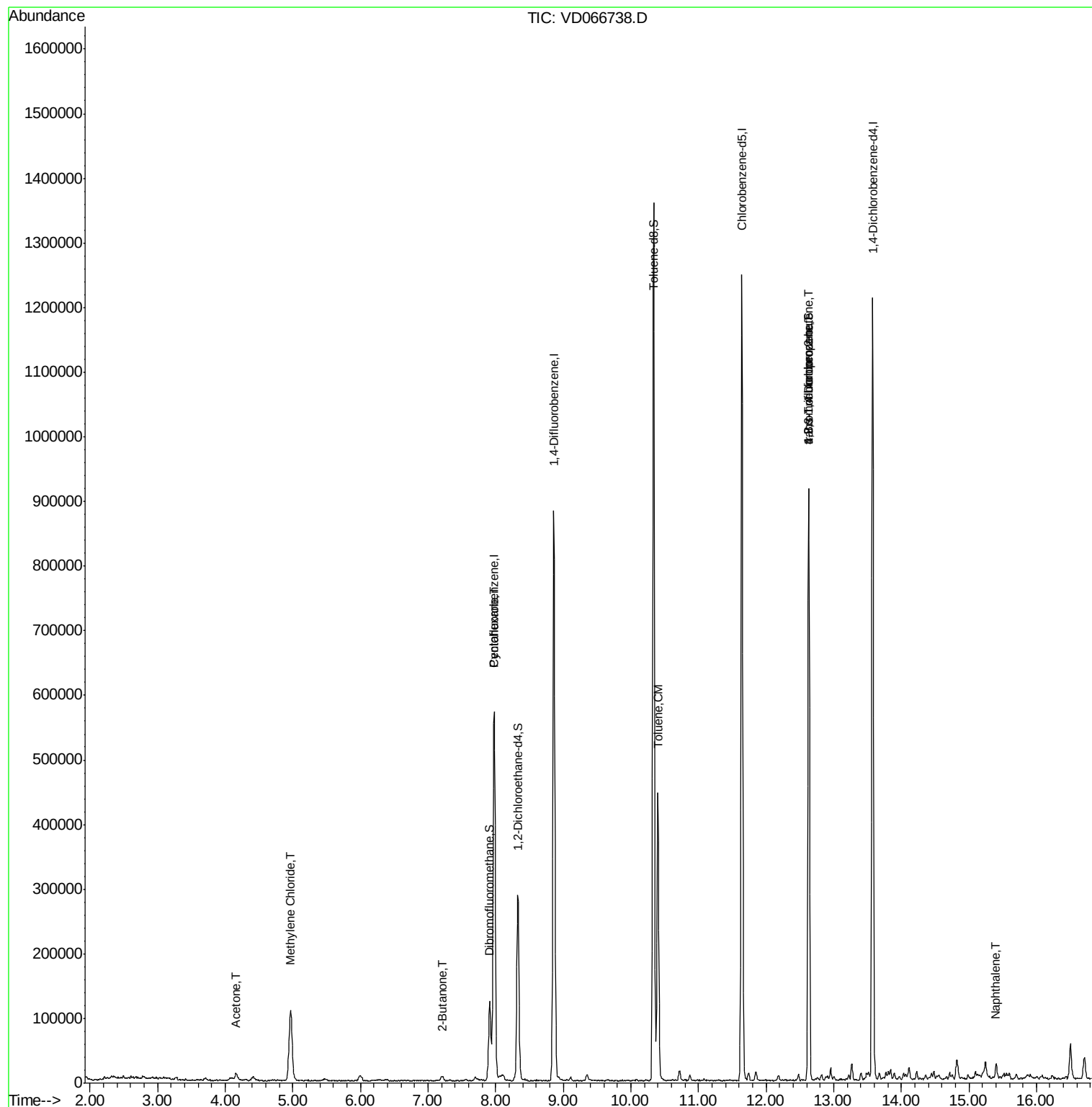
						Qvalue
2) Dichlorodifluoromethane	1.99	85	1596	Below Cal		99
11) Tert butyl alcohol	5.21	59	108	Below Cal	#	76
16) Acetone	4.16	43	19951	23.030	ug/l #	85
18) Methyl Acetate	4.77	43	138	Below Cal	#	52
20) Methylene Chloride	4.96	84	85006	12.773	ug/l	98
25) 2-Butanone	7.21	43	1689	1.497	ug/l #	16
31) Cyclohexane	7.98	56	12836	1.708	ug/l #	40
52) Toluene	10.40	92	196048	15.039	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	159472	61.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159472	131.740	ug/l #	8
95) Naphthalene	15.41	128	19456	2.133	ug/l	97

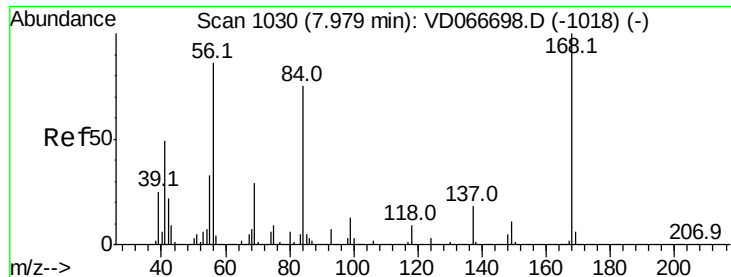
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066738.D

Acq: 17 Sep 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

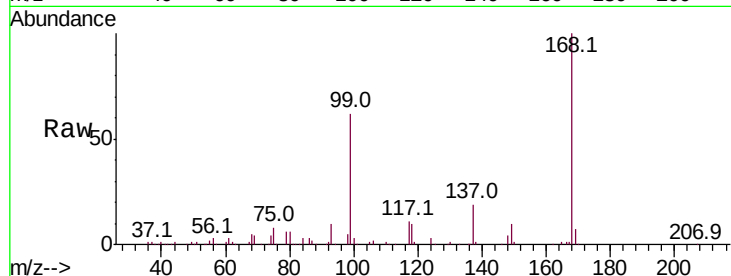
72-11929RE

Tot Ion:168 Resp: 398721

Ion Ratio Lower Upper

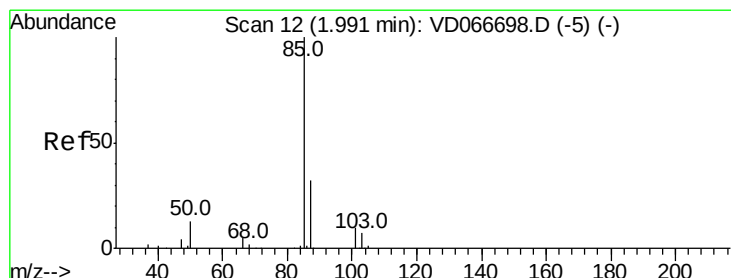
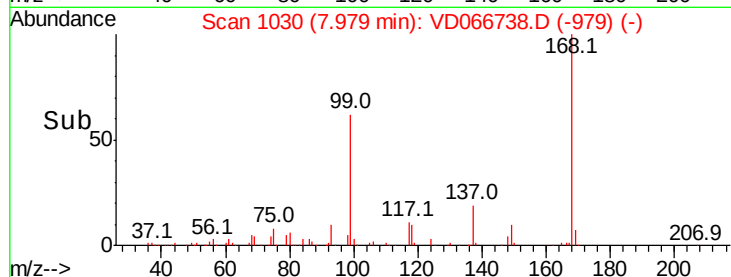
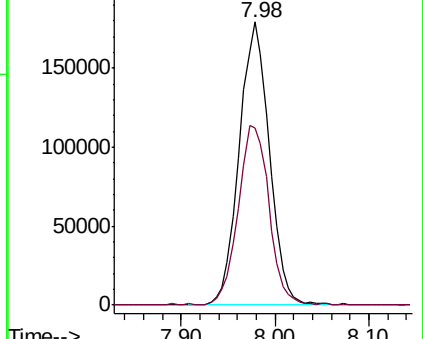
168 100

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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066738.D

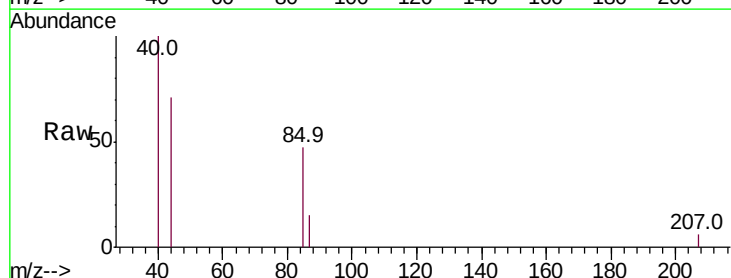
Acq: 17 Sep 2020 12:20

Tgt Ion: 85 Resp: 1596

Ion Ratio Lower Upper

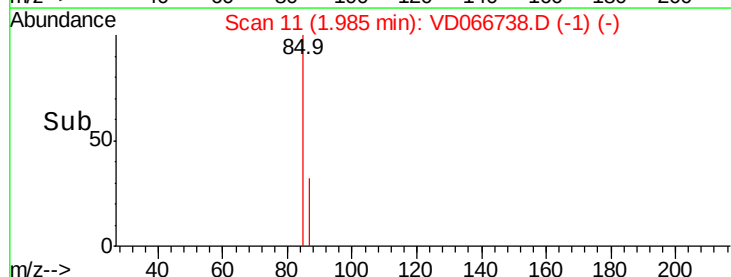
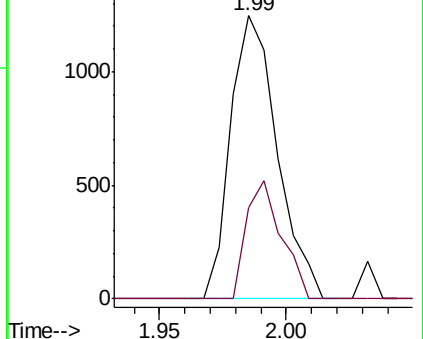
85 100

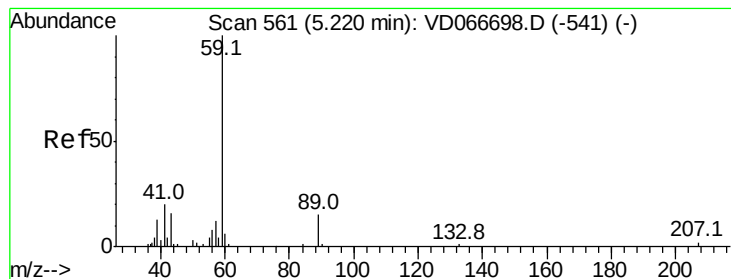
87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



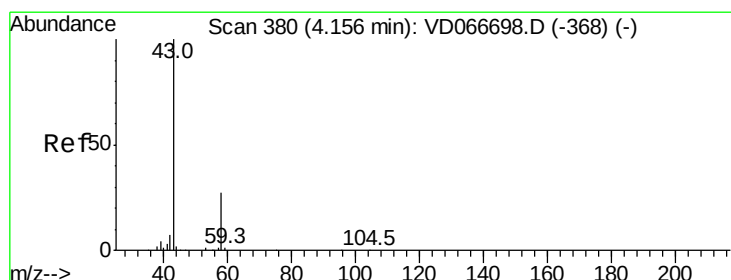
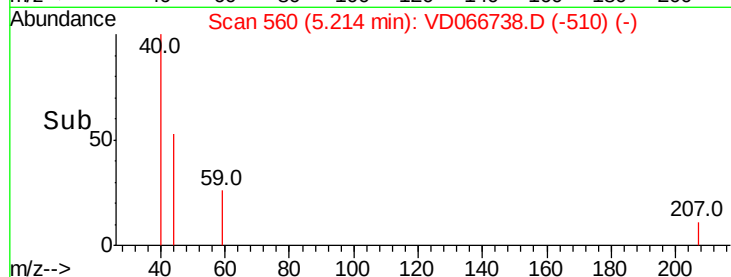
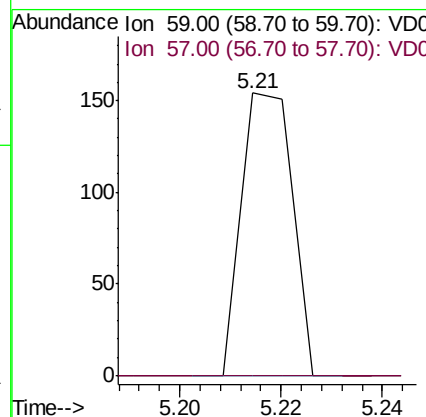
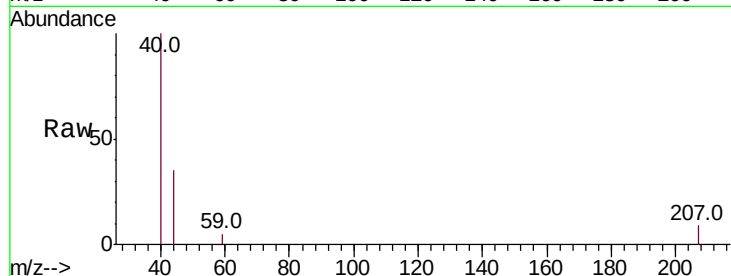


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066738.D
 Acq: 17 Sep 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

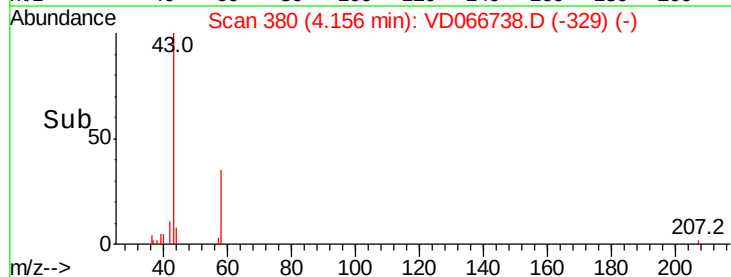
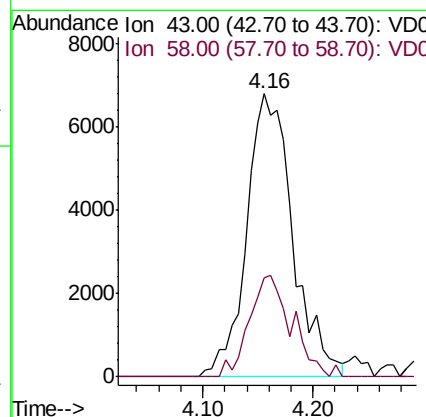
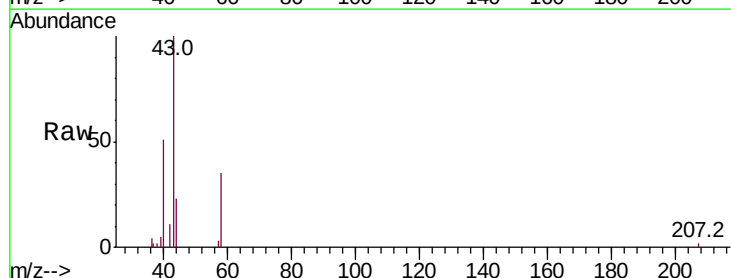
Tot Ion: 59 Resp: 108
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

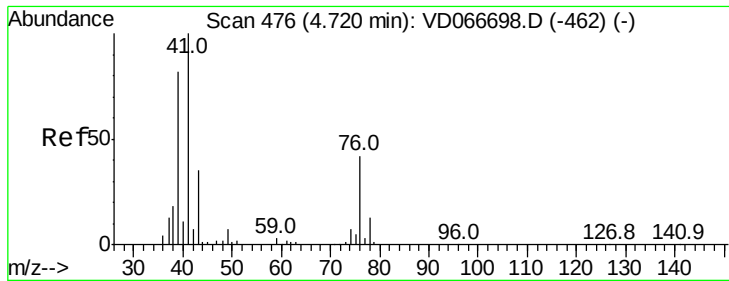


#16

Acetone
 Concen: 23.030 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066738.D
 Acq: 17 Sep 2020 12:20

Tgt Ion: 43 Resp: 19951
 Ion Ratio Lower Upper
 43 100
 58 35.1 21.9 32.9#

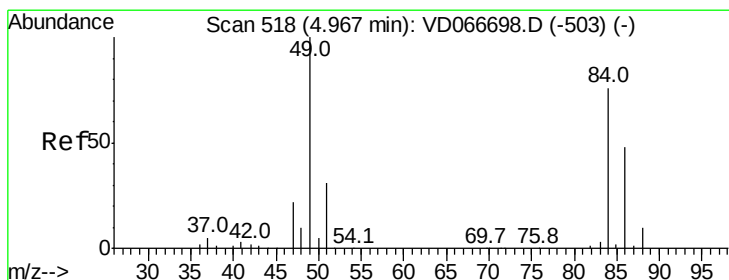
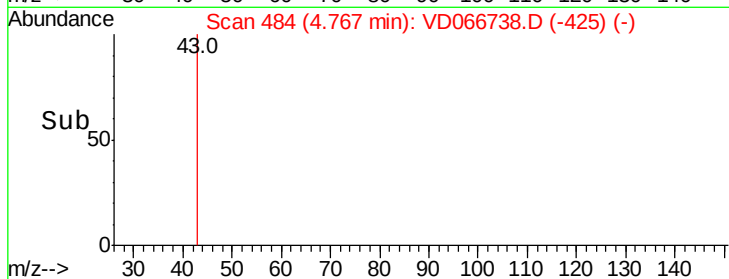
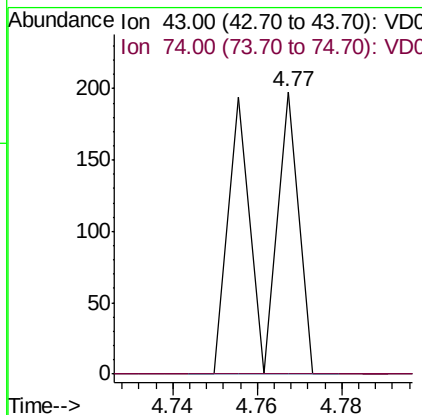
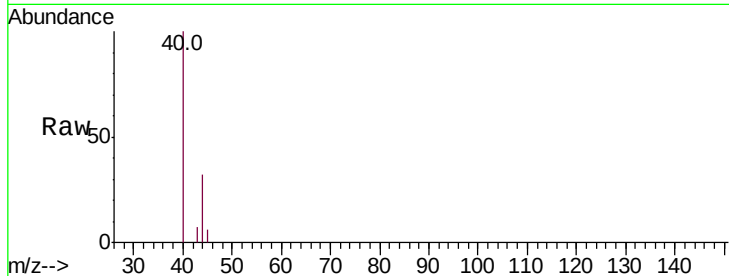




#18
Methyl Acetate
Concen: Below Cal
RT: 4.77 min Scan# 484
Delta R.T. 0.05 min
Lab File: VD066738.D
Acq: 17 Sep 2020 12:20

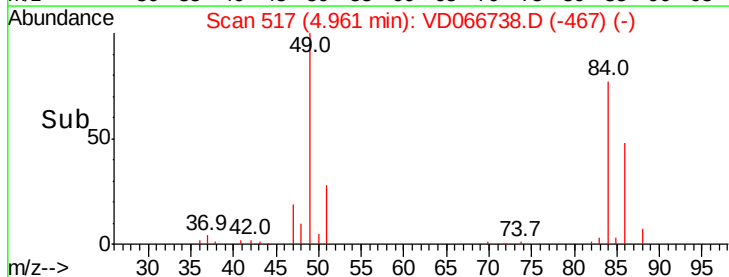
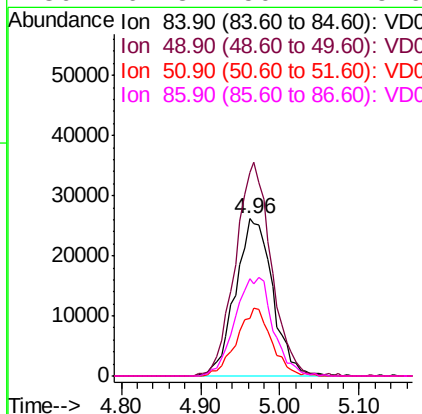
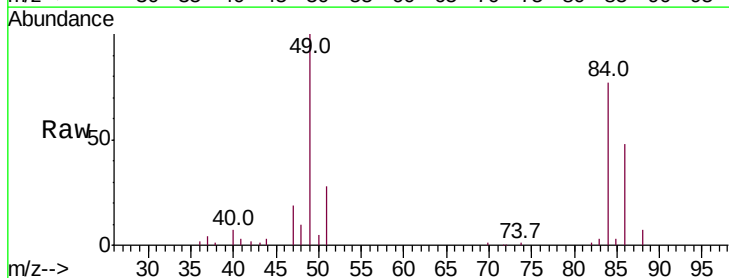
Instrument :
MSVOA_D
ClientSampleId :
72-11929RE

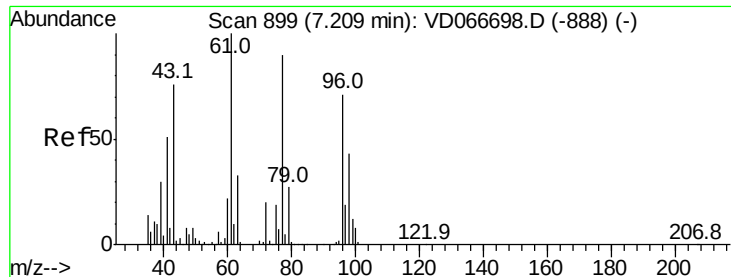
Tot Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 12.773 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066738.D
Acq: 17 Sep 2020 12:20

Tgt Ion: 84 Resp: 85006
Ion Ratio Lower Upper
84 100
49 129.9 105.0 157.6
51 36.8 32.2 48.4
86 62.3 50.4 75.6

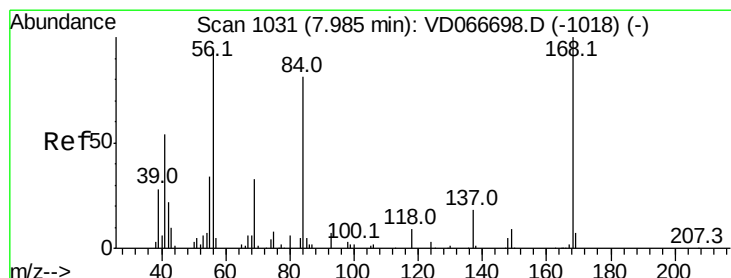
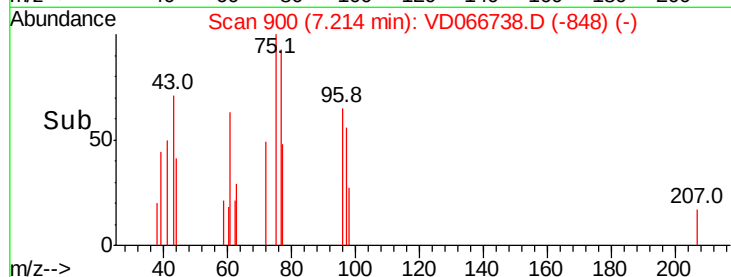
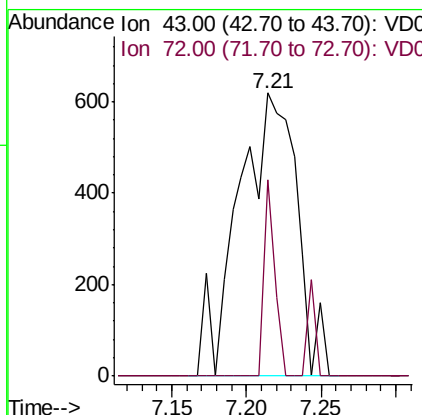
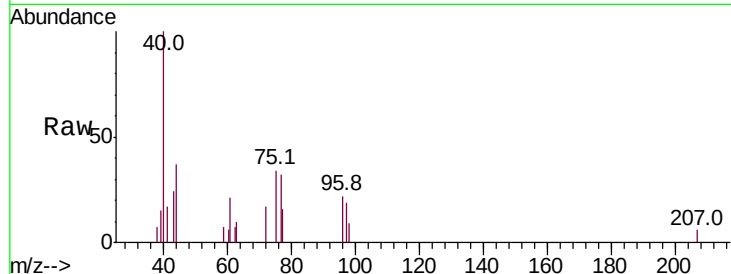




#25
 2-Butanone
 Concen: 1.497 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066738.D
 Acq: 17 Sep 2020 12:20

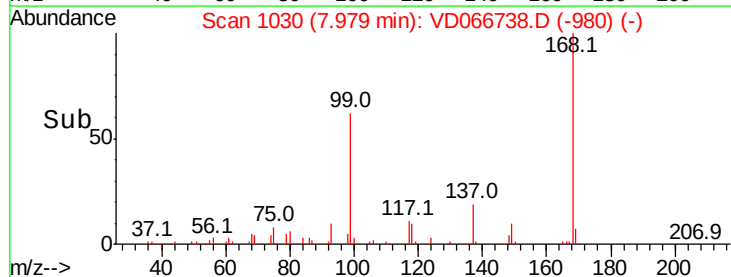
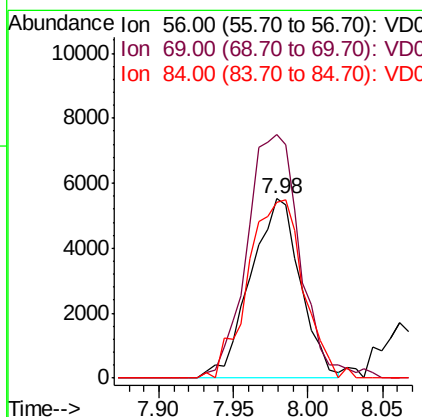
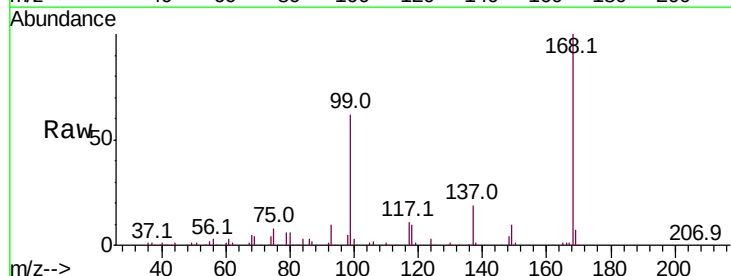
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

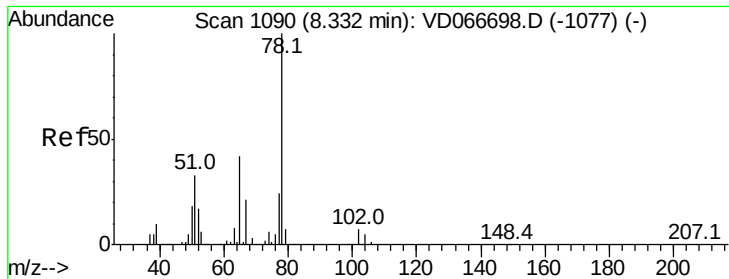
Tot Ion: 43 Resp: 1689
 Ion Ratio Lower Upper
 43 100
 72 69.1 21.0 31.4#



#31
 Cyclohexane
 Concen: 1.708 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD066738.D
 Acq: 17 Sep 2020 12:20

Tgt Ion: 56 Resp: 12836
 Ion Ratio Lower Upper
 56 100
 69 135.8 27.7 41.5#
 84 98.0 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 54.809 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

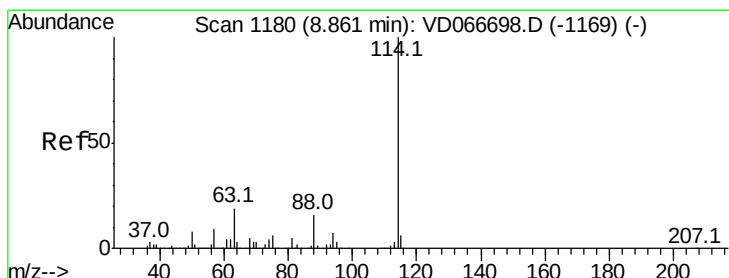
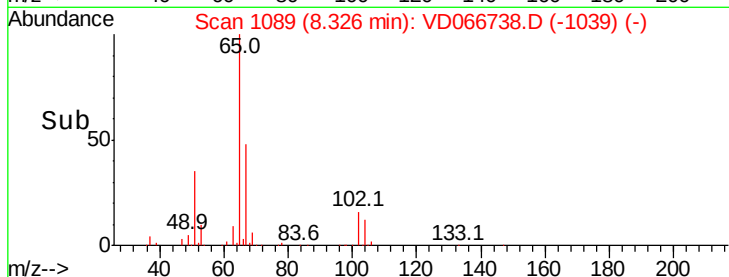
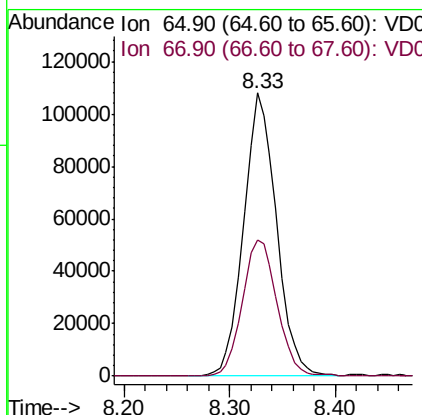
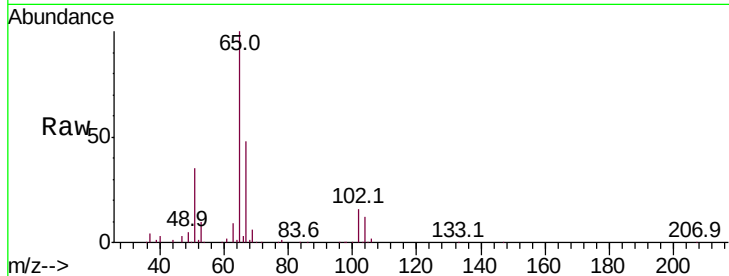
Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
72-11929RE

Tot Ion: 65 Resp: 233162

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

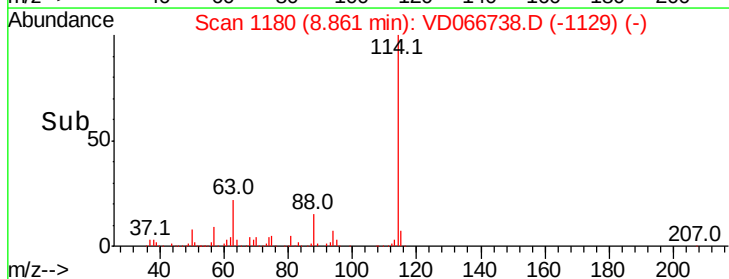
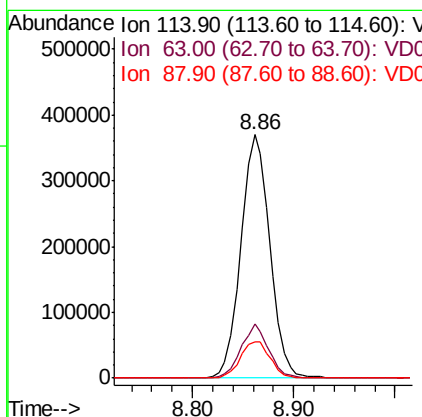
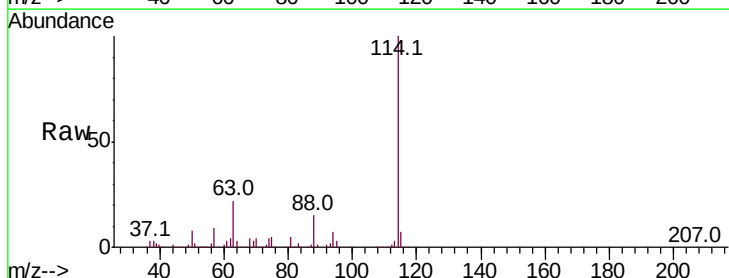
Delta R.T. -0.00 min

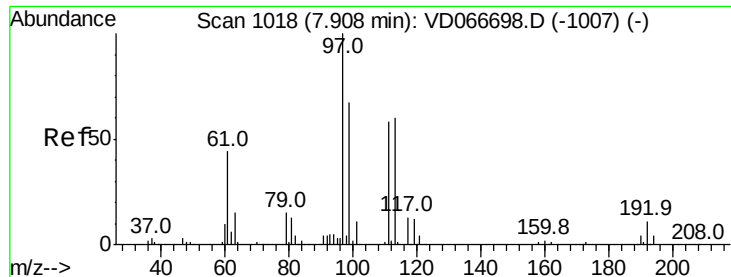
Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

Tgt Ion: 114 Resp: 731569

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	37.6
88	14.6	0.0	32.2

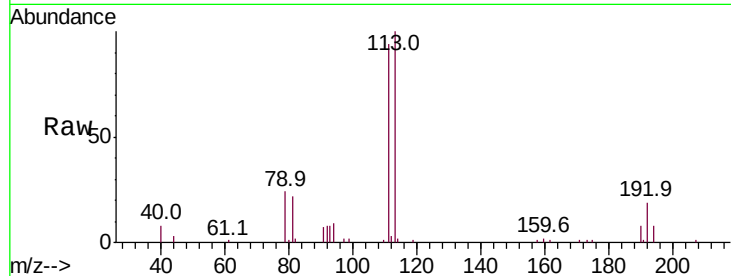




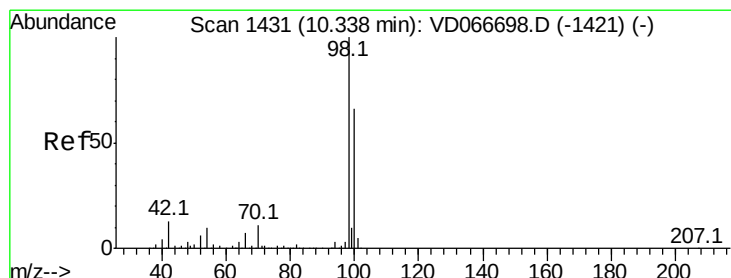
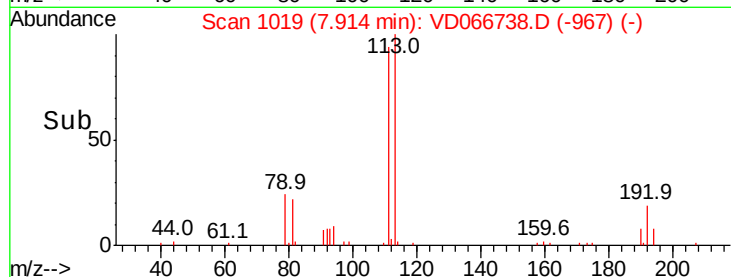
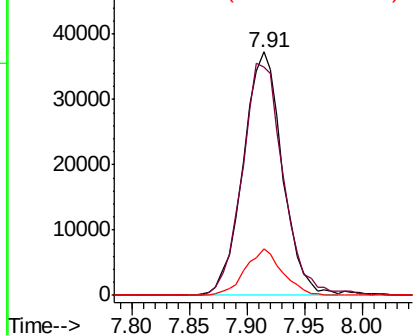
#35
 Dibromofluoromethane
 Concen: 19.692 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066738.D
 Acq: 17 Sep 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929RE

Tot Ion:113 Resp: 88322
 Ion Ratio Lower Upper
 113 100
 111 99.7 83.2 124.8
 192 17.9 14.8 22.2

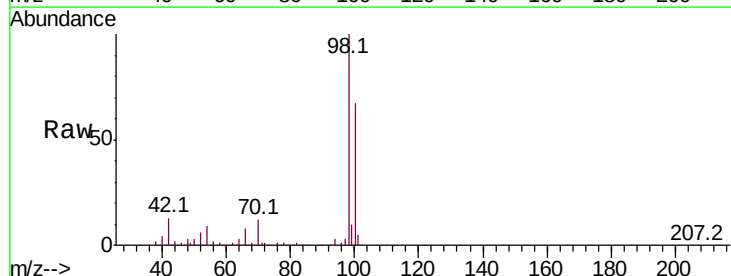


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

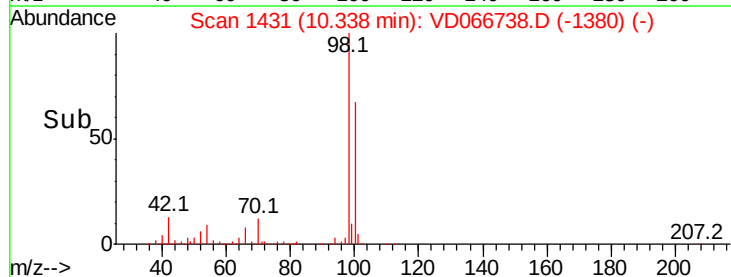
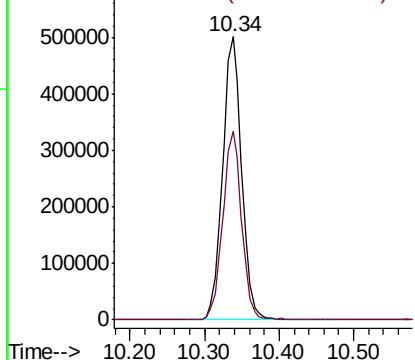


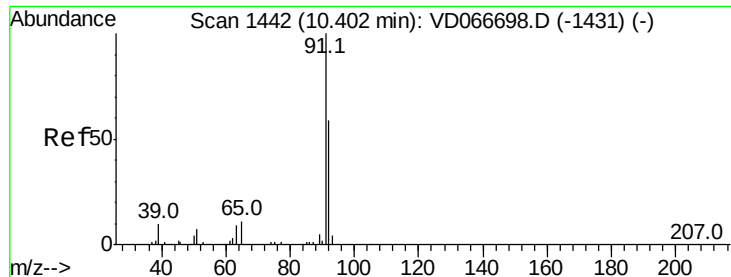
#50
 Toluene-d8
 Concen: 55.621 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066738.D
 Acq: 17 Sep 2020 12:20

Tgt Ion: 98 Resp: 888815
 Ion Ratio Lower Upper
 98 100
 100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VD





#52

Toluene

Concen: 15.039 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

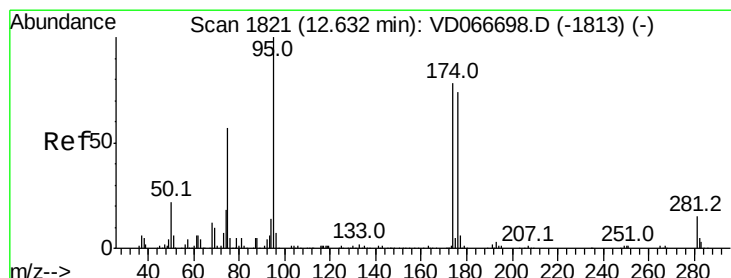
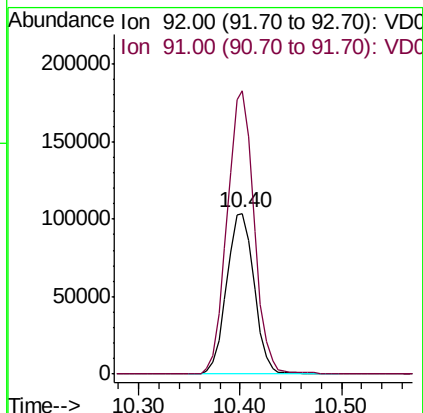
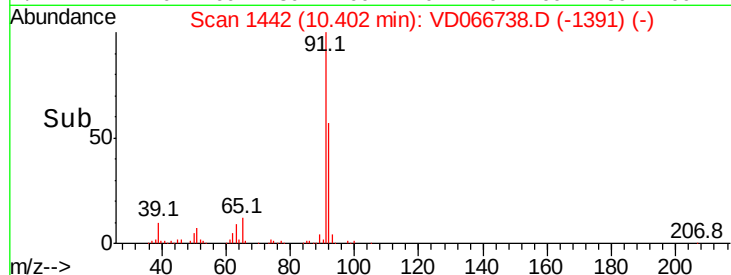
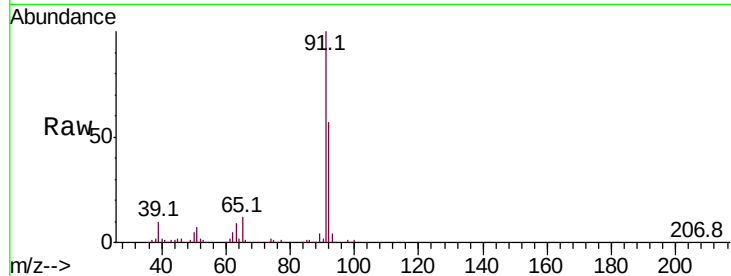
72-11929RE

Tot Ion: 92 Resp: 196048

Ion Ratio Lower Upper

92 100

91 171.8 135.8 203.8



#62

4-Bromofluorobenzene

Concen: 53.498 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

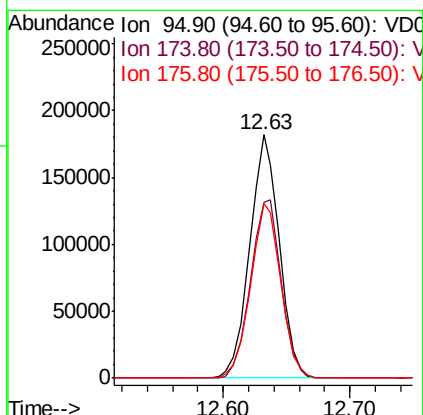
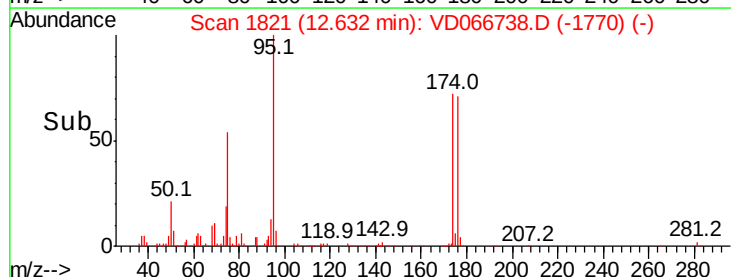
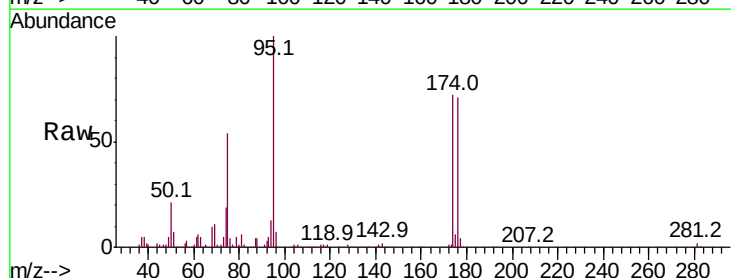
Tgt Ion: 95 Resp: 295095

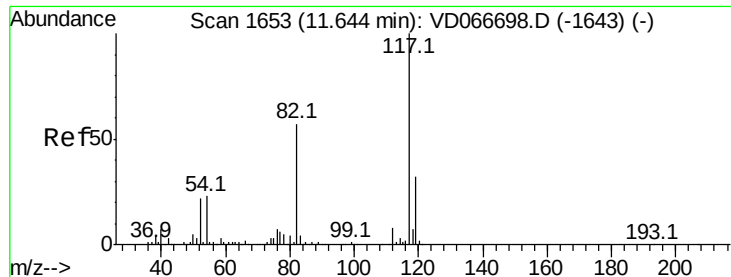
Ion Ratio Lower Upper

95 100

174 76.0 0.0 156.6

176 73.3 0.0 150.2

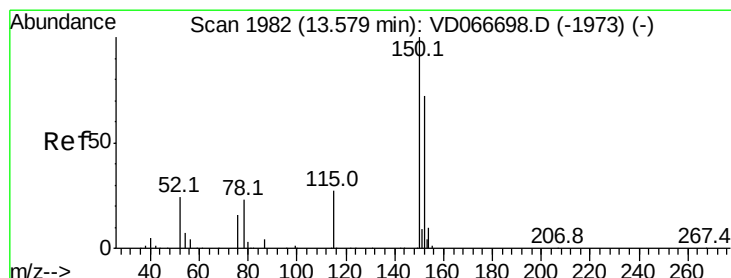
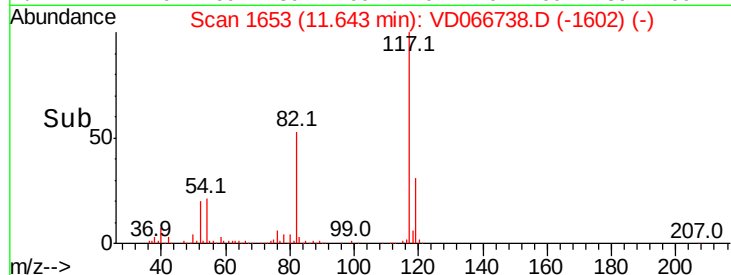
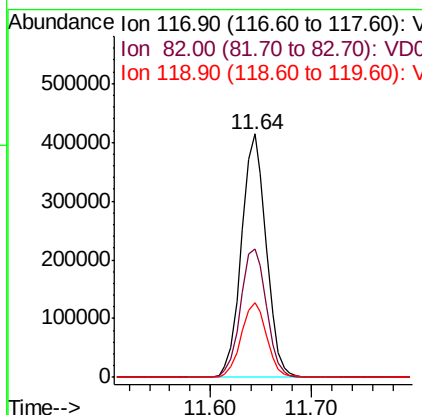
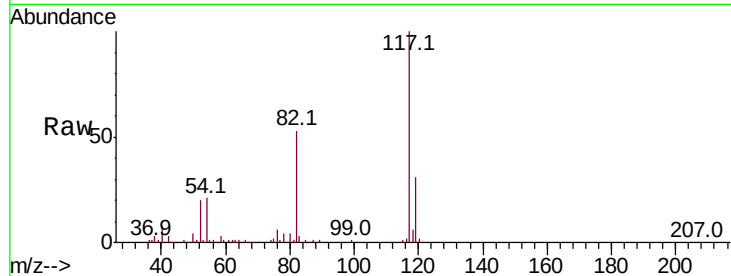




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066738.D
Acq: 17 Sep 2020 12:20

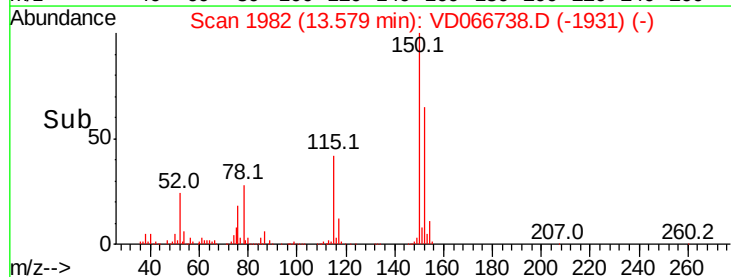
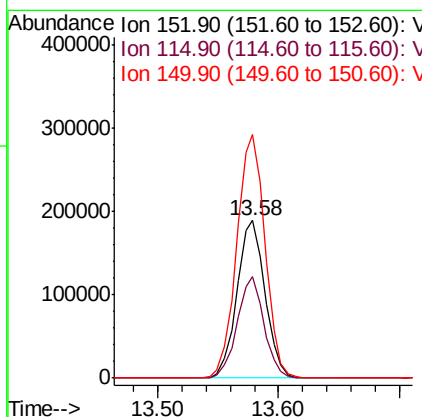
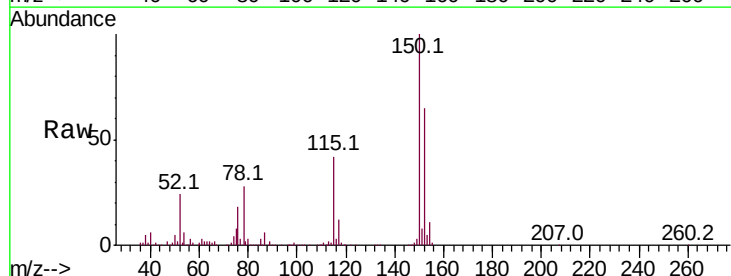
Instrument :
MSVOA_D
ClientSampleId :
72-11929RE

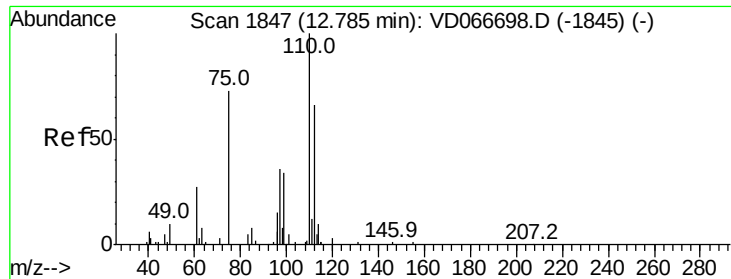
Tot Ion:117 Resp: 700649
Ion Ratio Lower Upper
117 100
82 52.5 45.4 68.0
119 30.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066738.D
Acq: 17 Sep 2020 12:20

Tgt Ion:152 Resp: 305211
Ion Ratio Lower Upper
152 100
115 61.6 30.5 91.5
150 155.7 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 61.042 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

Instrument :

MSVOA_D

ClientSampled :

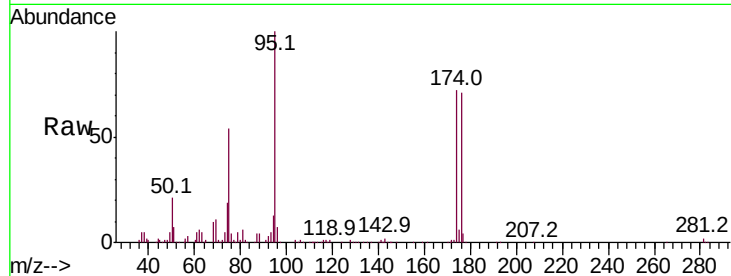
72-11929RE

Tot Ion: 75 Resp: 159472

Ion Ratio Lower Upper

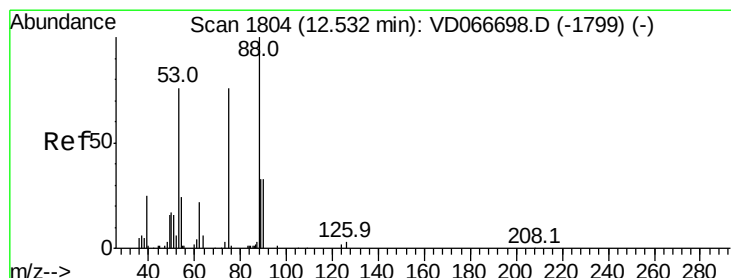
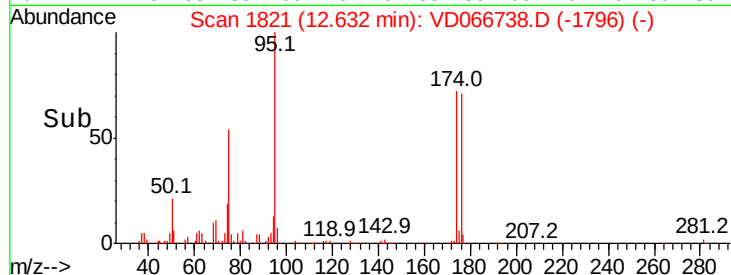
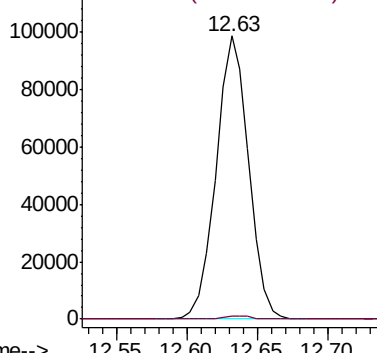
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 131.740 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

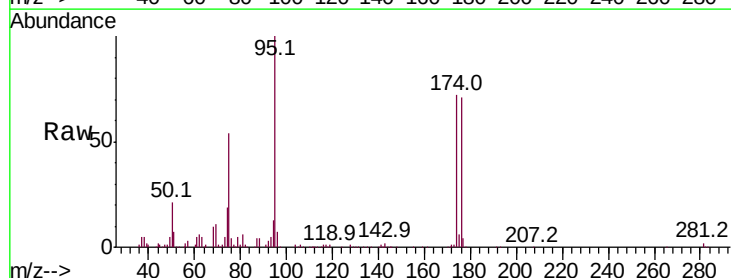
Tgt Ion: 75 Resp: 159472

Ion Ratio Lower Upper

75 100

53 0.2 82.2 123.4#

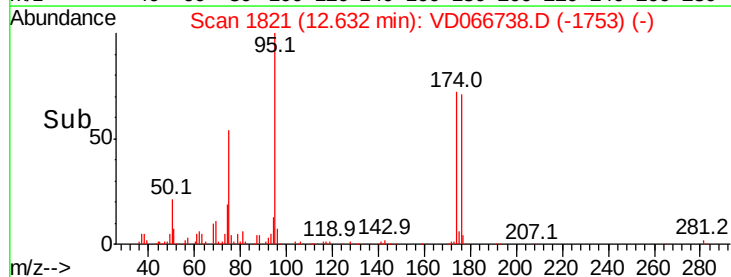
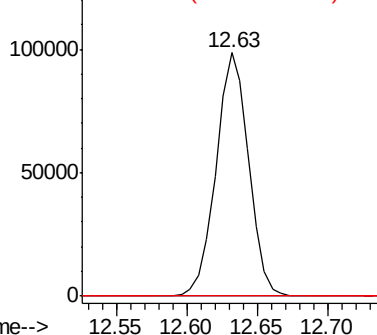
89 0.1 39.6 59.4#

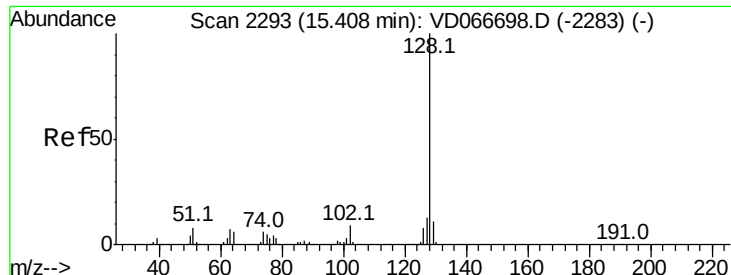


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 2.133 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066738.D

Acq: 17 Sep 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

72-11929RE

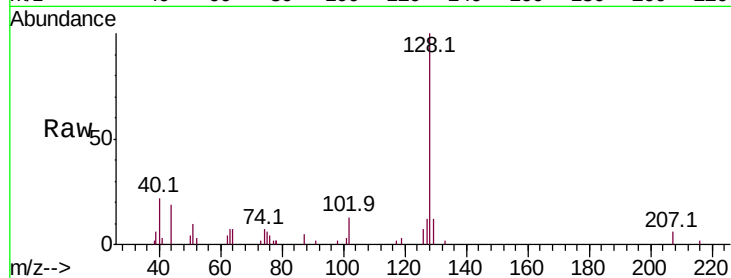
Tot Ion:128 Resp: 19456

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 12.3 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

