

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066725.D
 Acq On : 16 Sep 2020 17:48
 Operator : VA/SY
 Sample : L4015-03
 Misc : 6.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-6E-(C-4)

Quant Time: Sep 17 00:52:11 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	7.97	168	372865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	693653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	657458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285531	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	242037	60.84	ug/l	0.00
Spiked Amount			Recovery	=	121.68%	
35) Dibromofluoromethane	7.91	113	235754	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	
50) Toluene-d8	10.34	98	857860	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
62) 4-Bromofluorobenzene	12.63	95	281861	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	

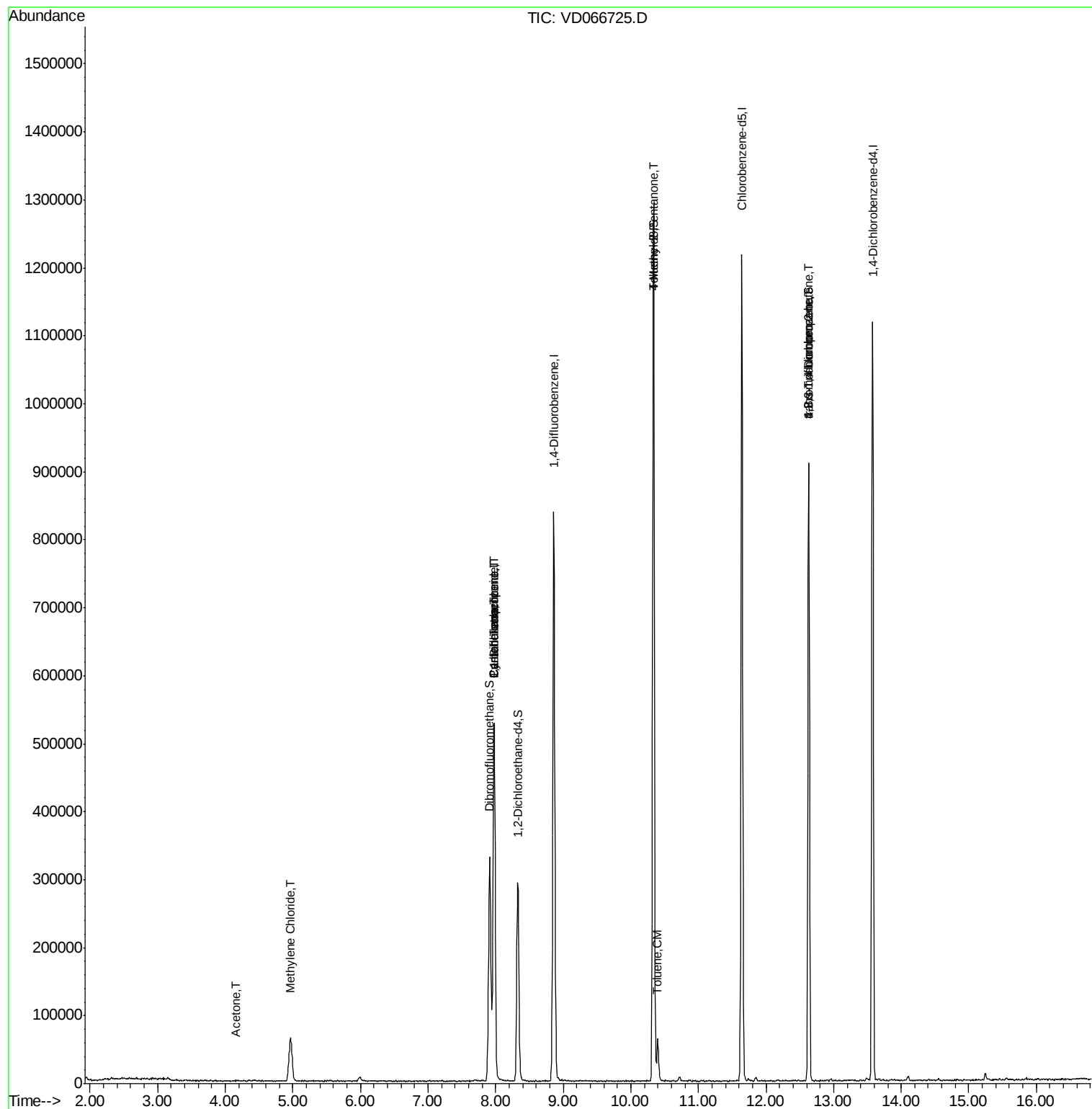
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	124	Below Cal	#	43
16) Acetone	4.16	43	1160	1.432	ug/l #	47
18) Methyl Acetate	4.60	43	61	Below Cal	#	1
20) Methylene Chloride	4.96	84	50205	4.886	ug/l	96
31) Cyclohexane	7.98	56	10904	1.552	ug/l #	34
36) 1,1-Dichloropropene	7.97	75	33638	4.717	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42719	5.641	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	4261	1.629	ug/l #	1
52) Toluene	10.40	92	22855	1.849	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	156893	64.194	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156893	138.543	ug/l #	8

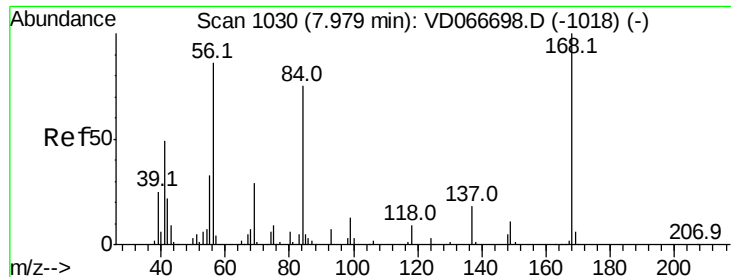
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

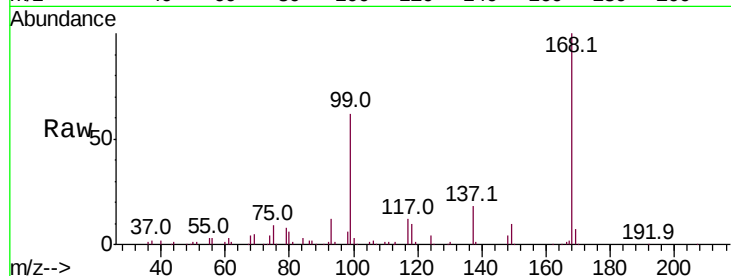
Instrument :
MSVOA_D
ClientSampleId :
REACTOR-6E-(C-4)

Tot Ion:168 Resp: 372865

Ion Ratio Lower Upper

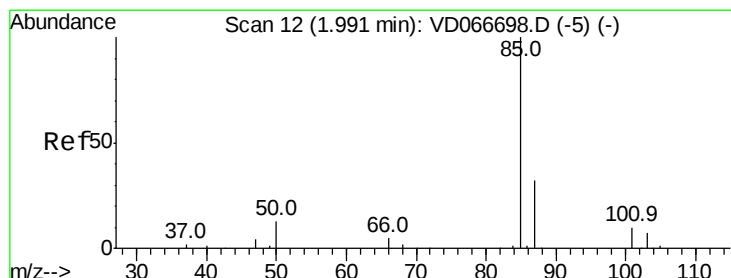
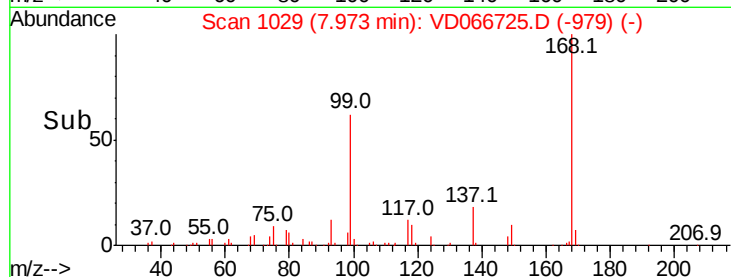
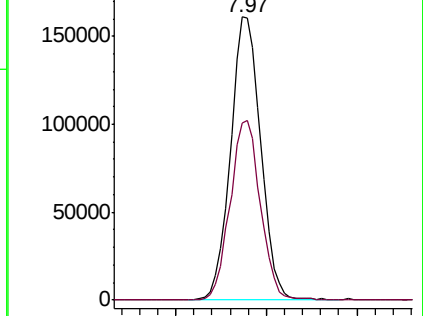
168 100

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# 12

Delta R.T. 0.00 min

Lab File: VD066725.D

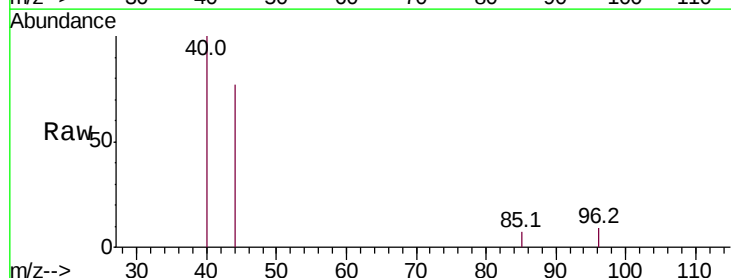
Acq: 16 Sep 2020 17:48

Tgt Ion: 85 Resp: 124

Ion Ratio Lower Upper

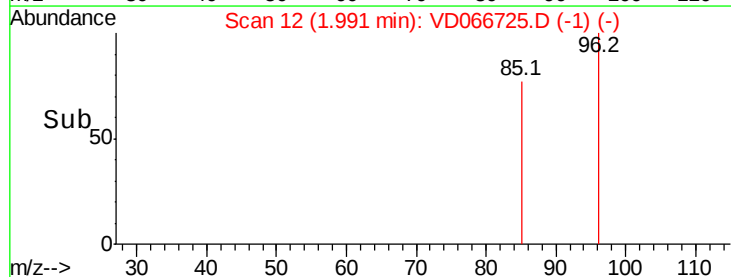
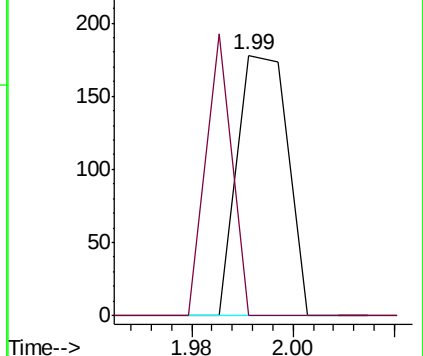
85 100

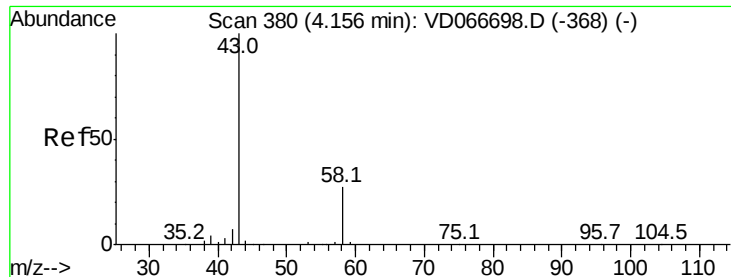
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.432 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

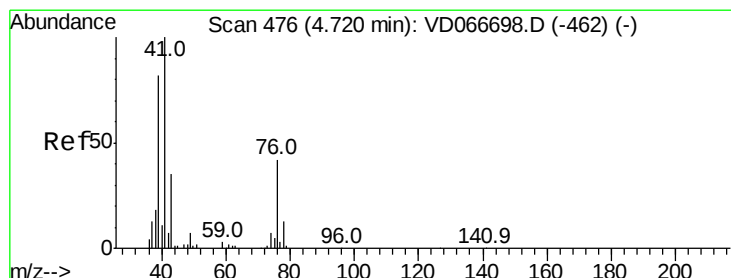
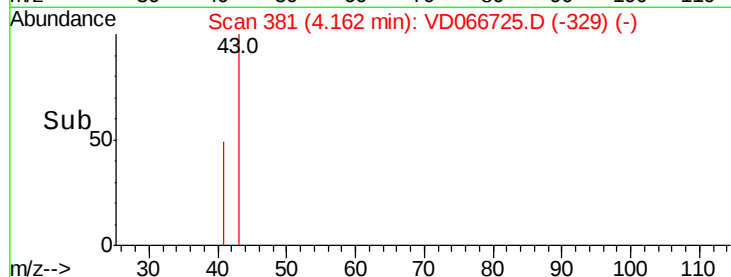
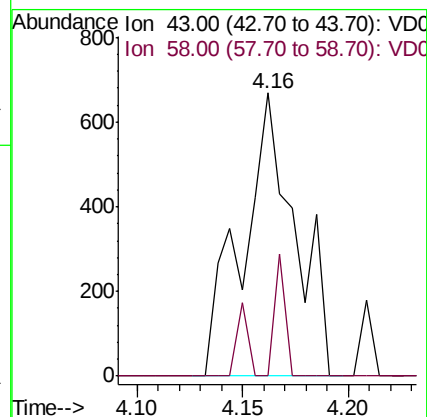
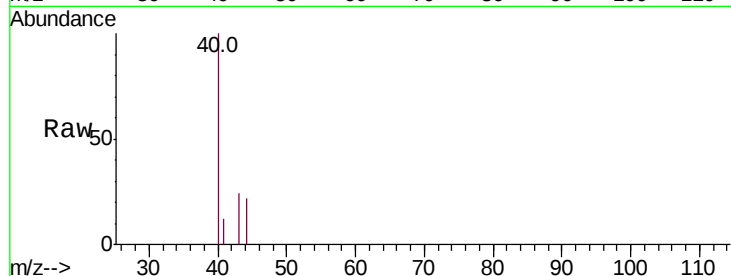
REACTOR-6E-(C-4)

Tot Ion: 43 Resp: 1160

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.60 min Scan# 455

Delta R.T. -0.12 min

Lab File: VD066725.D

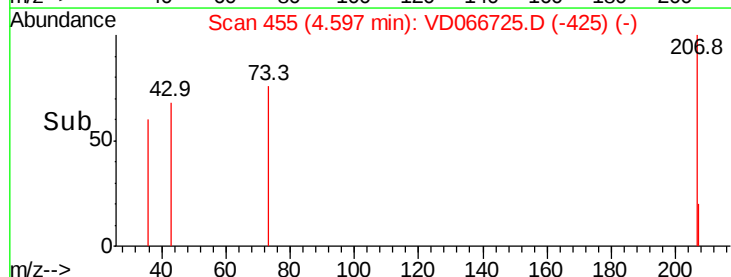
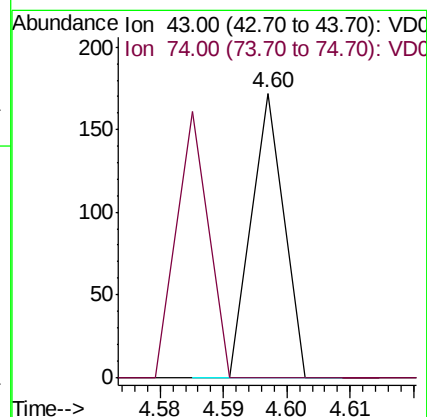
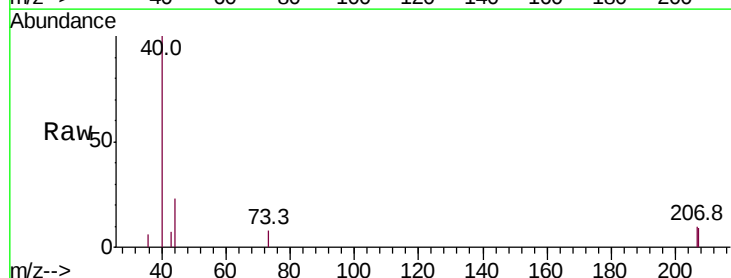
Acq: 16 Sep 2020 17:48

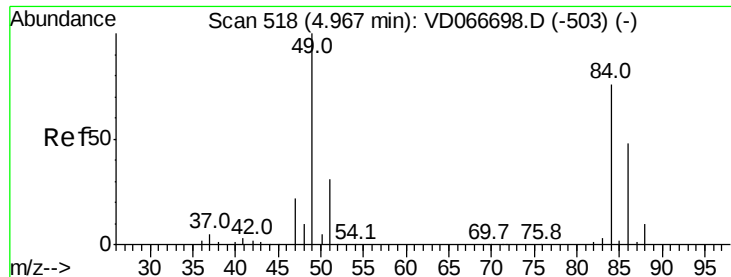
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 93.4 18.6 28.0#

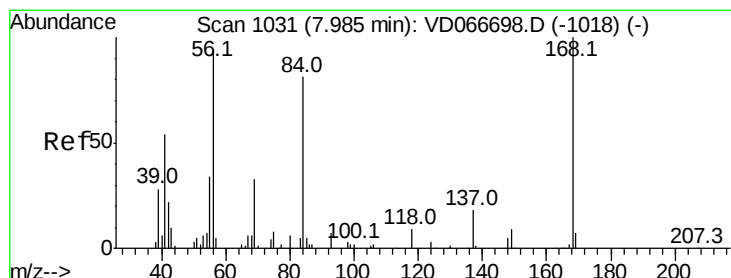
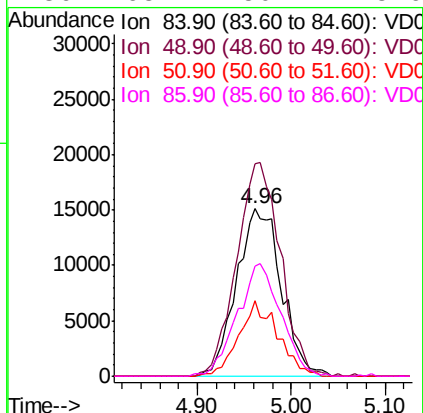
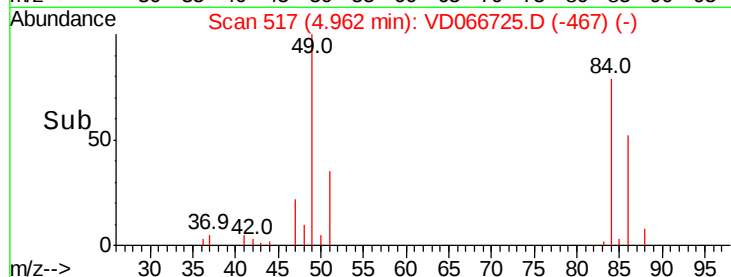
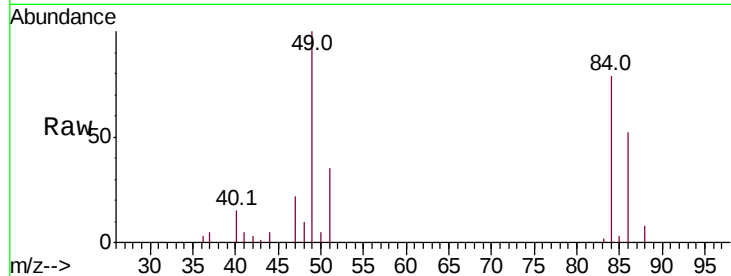




#20
Methvlene Chloride
Concen: 4.886 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066725.D
Acq: 16 Sep 2020 17:48

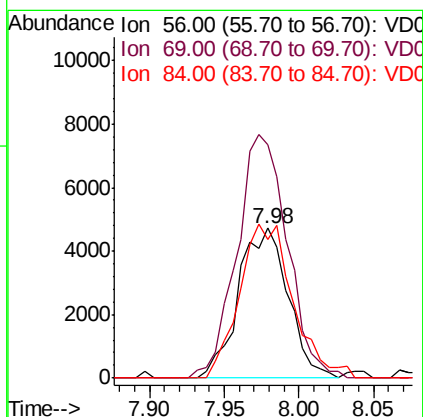
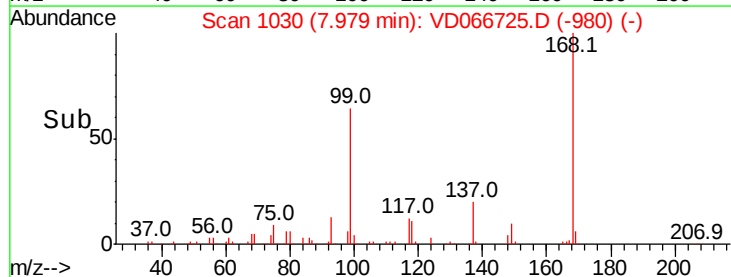
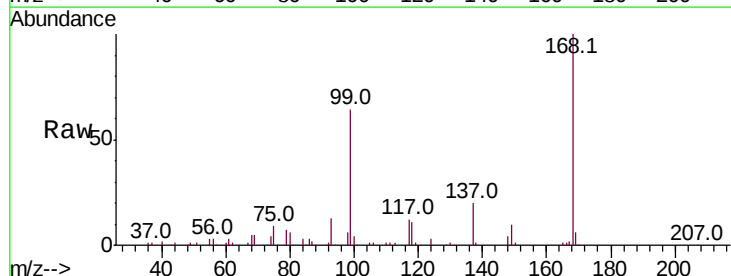
Instrument :
MSVOA_D
ClientSampleId :
REACTOR-6E-(C-4)

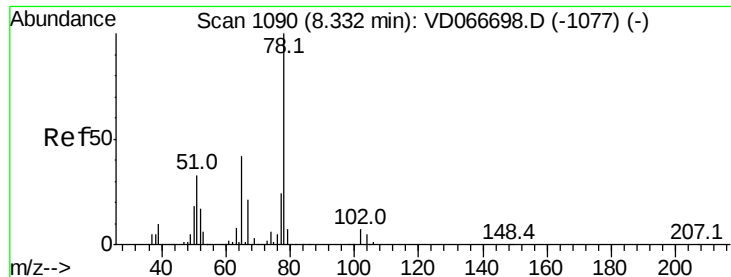
Tot Ion:	84	Resp:	50205
Ion	Ratio	Lower	Upper
84	100		
49	126.9	105.0	157.6
51	45.0	32.2	48.4
86	65.7	50.4	75.6



#31
Cyclohexane
Concen: 1.552 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066725.D
Acq: 16 Sep 2020 17:48

Tgt Ion:	56	Resp:	10904
Ion	Ratio	Lower	Upper
56	100		
69	155.9	27.7	41.5#
84	92.5	68.5	102.7





#33

1,2-Dichloroethane-d4

Concen: 60.840 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

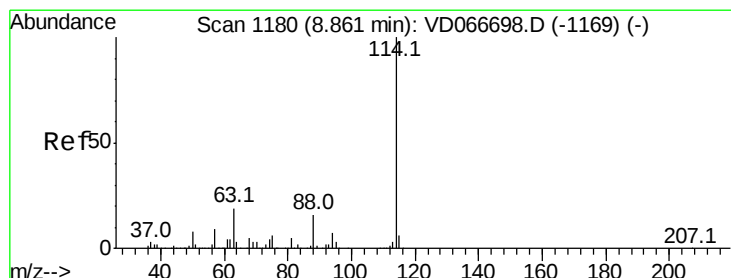
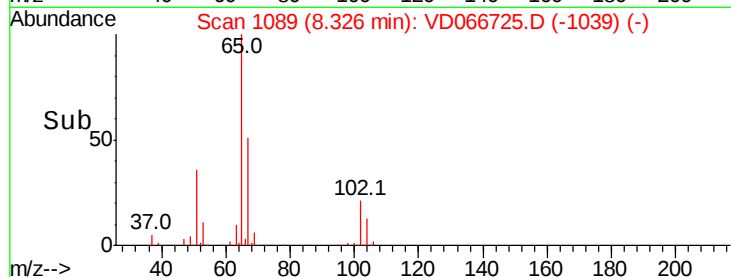
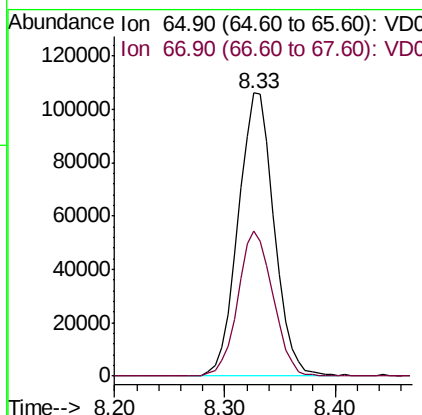
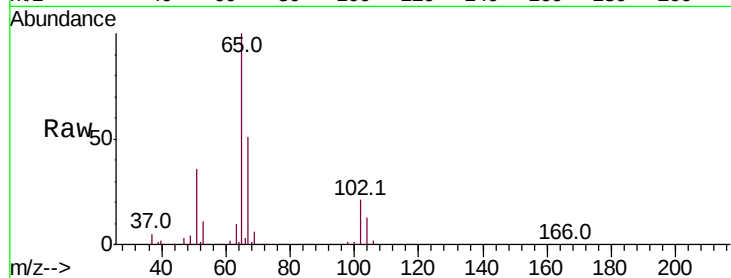
Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :
MSVOA_D
ClientSampleId :
REACTOR-6E-(C-4)

Tot Ion: 65 Resp: 242037

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

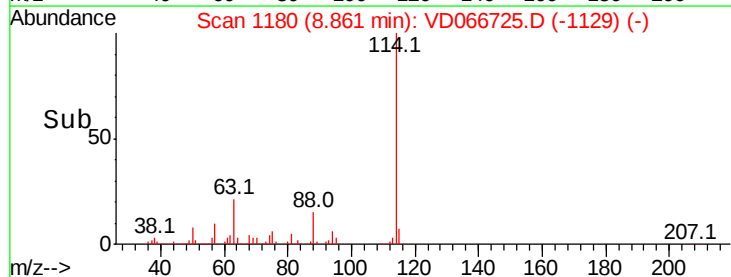
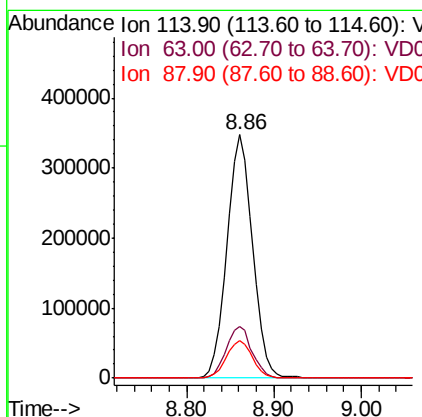
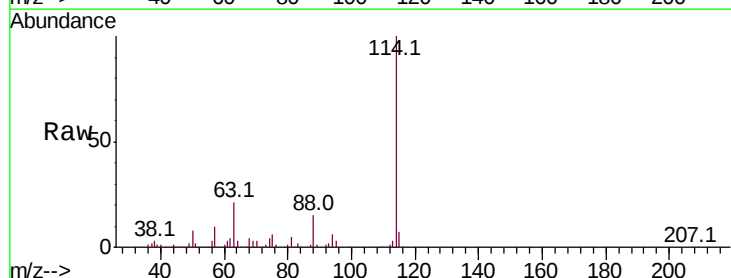
Delta R.T. 0.00 min

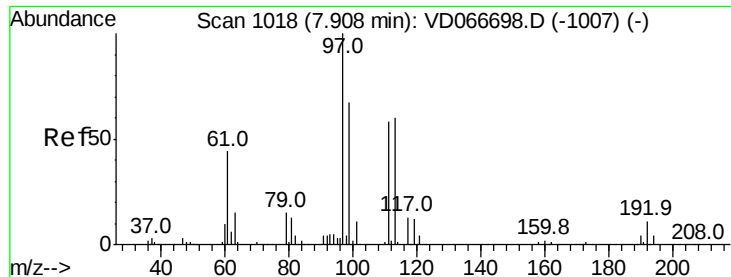
Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Tgt Ion: 114 Resp: 693653

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	37.6
88	15.4	0.0	32.2

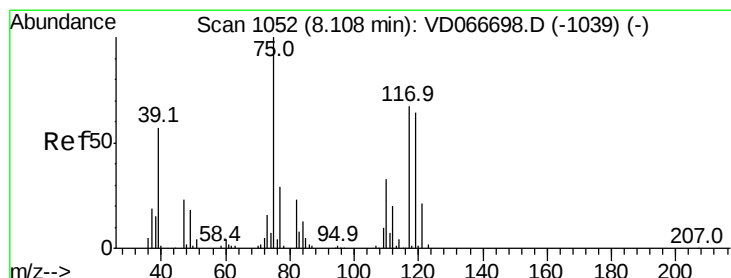
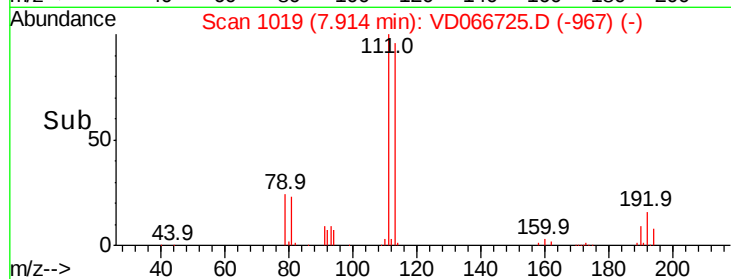
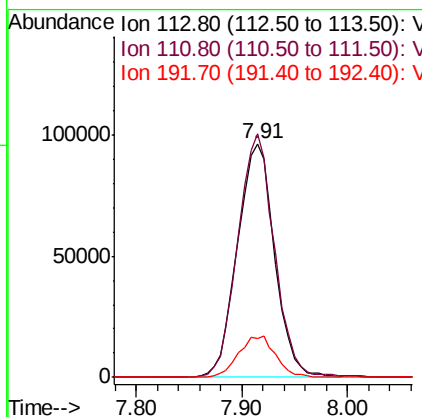
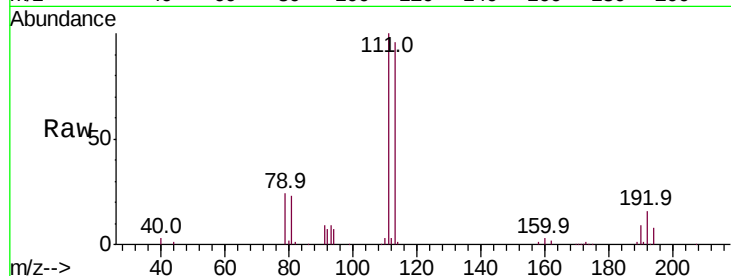




#35
 Dibromofluoromethane
 Concen: 55.436 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066725.D
 Acq: 16 Sep 2020 17:48

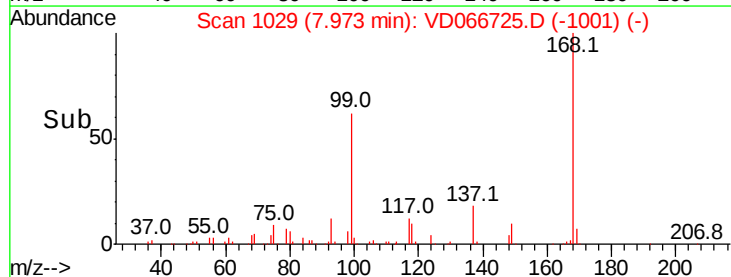
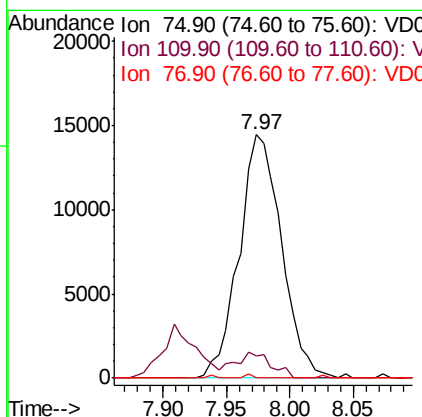
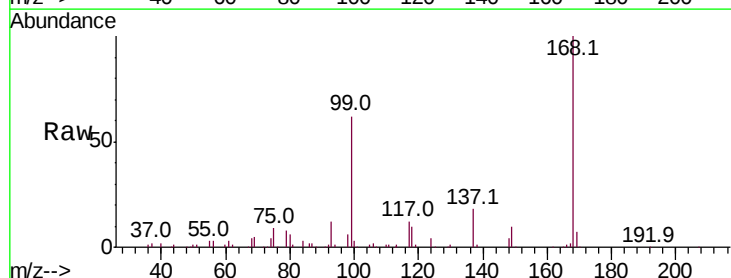
Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-6E-(C-4)

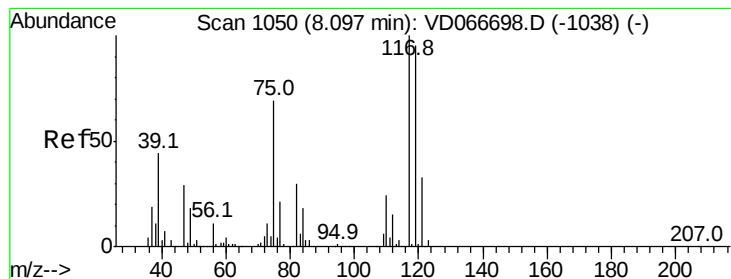
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.2	124.8
192	17.5	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066725.D
 Acq: 16 Sep 2020 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.1	51.2#
77	0.3	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.641 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :
MSVOA_D
ClientSampleId :
REACTOR-6E-(C-4)

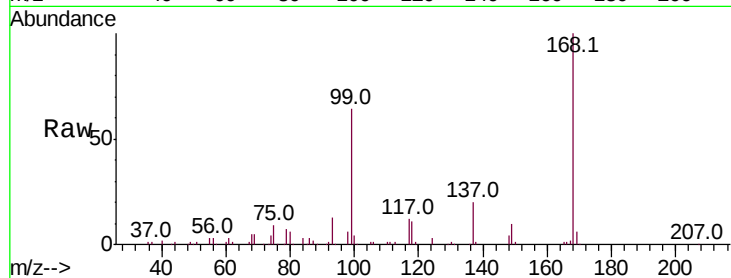
Tot Ion:117 Resp: 42719

Ion Ratio Lower Upper

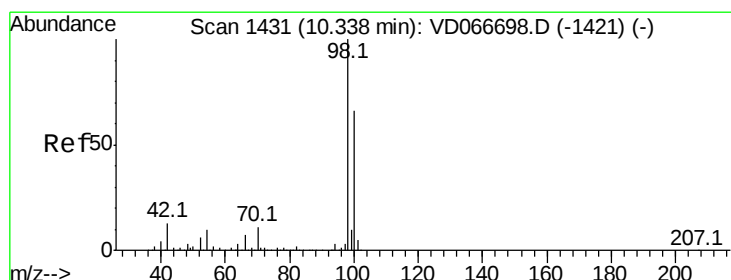
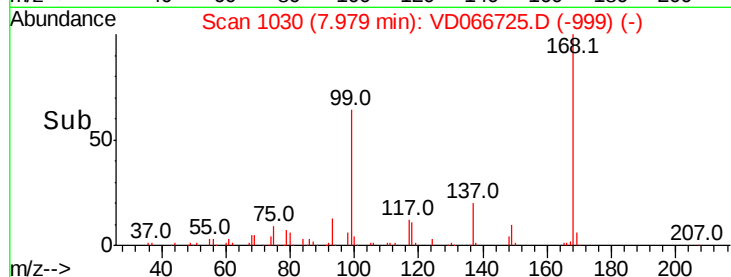
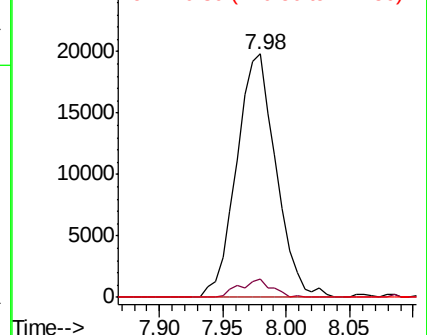
117 100

119 7.3 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: 56.619 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066725.D

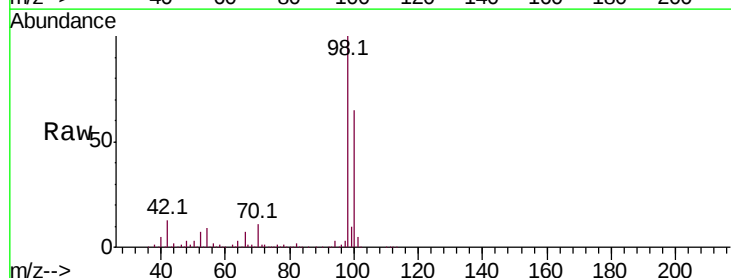
Acq: 16 Sep 2020 17:48

Tgt Ion: 98 Resp: 857860

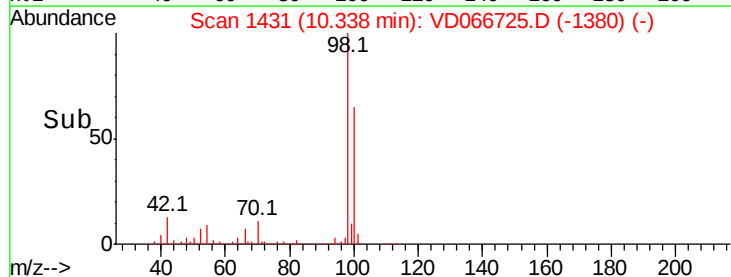
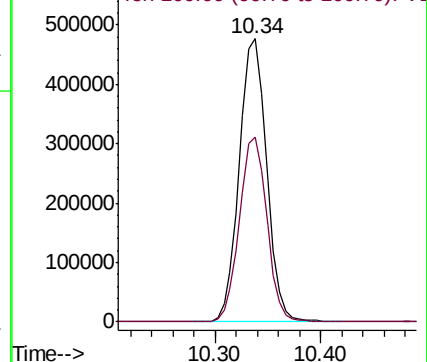
Ion Ratio Lower Upper

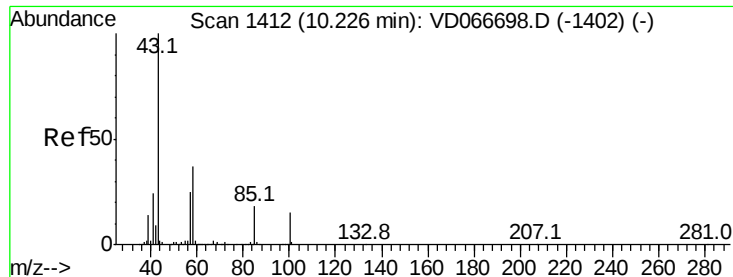
98 100

100 65.1 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 1.629 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

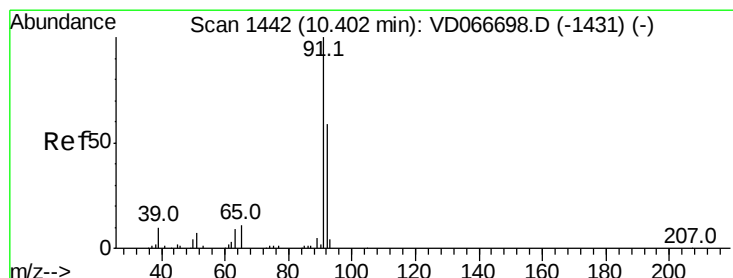
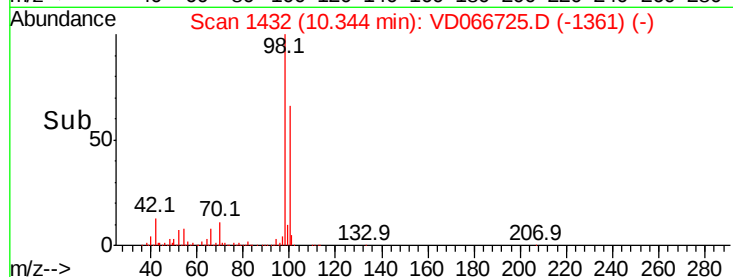
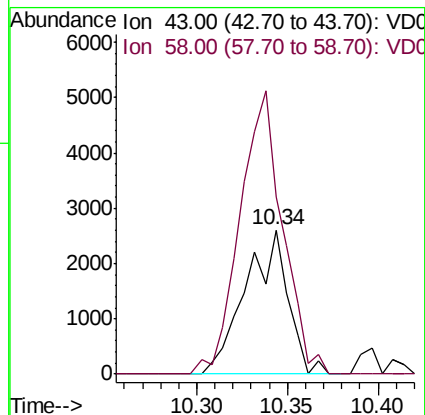
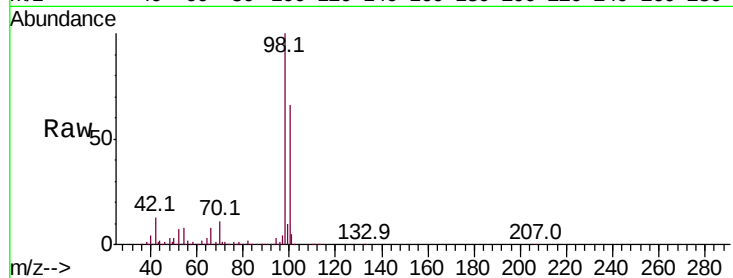
REACTOR-6E-(C-4)

Tot Ion: 43 Resp: 4261

Ion Ratio Lower Upper

43 100

58 196.4 30.4 45.6#



#52

Toluene

Concen: 1.849 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066725.D

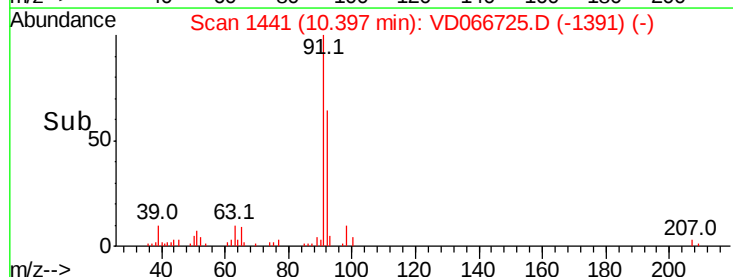
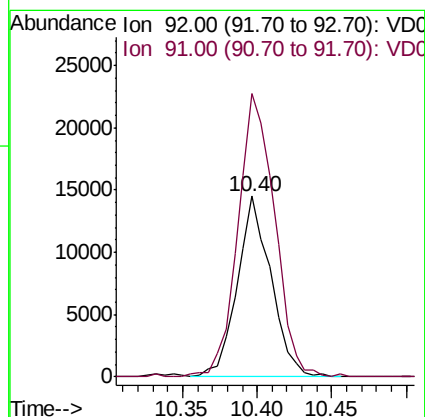
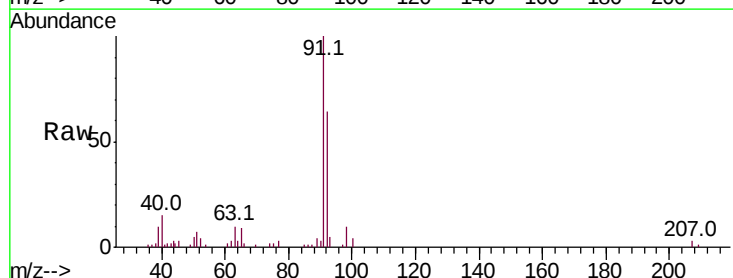
Acq: 16 Sep 2020 17:48

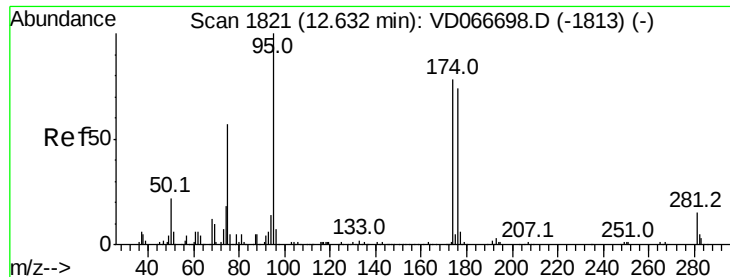
Tgt Ion: 92 Resp: 22855

Ion Ratio Lower Upper

92 100

91 169.7 135.8 203.8





#62

4-Bromofluorobenzene

Concen: 53.892 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-6E-(C-4)

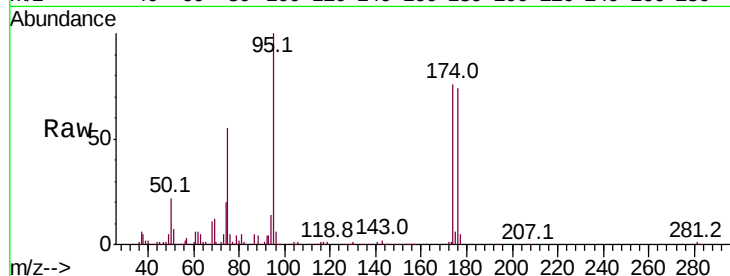
Tot Ion: 95 Resp: 281861

Ion Ratio Lower Upper

95 100

174 76.1 0.0 156.6

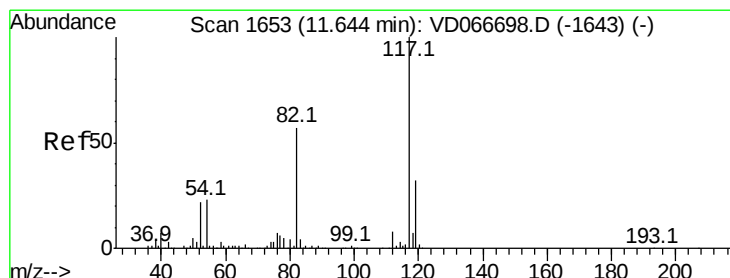
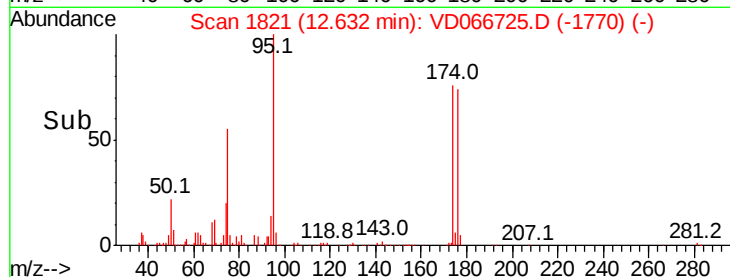
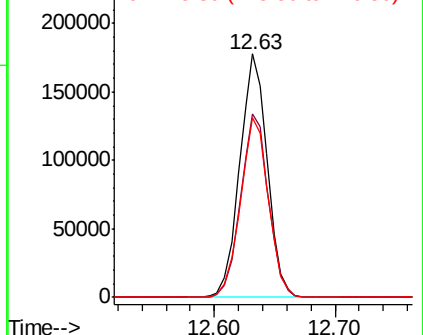
176 74.8 0.0 150.2



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: VD066725.D

Acq: 16 Sep 2020 17:48

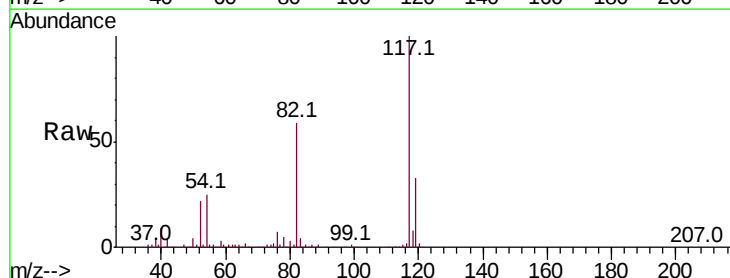
Tgt Ion: 117 Resp: 657458

Ion Ratio Lower Upper

117 100

82 58.6 45.4 68.0

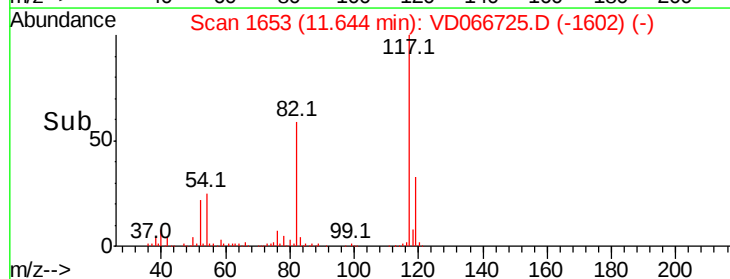
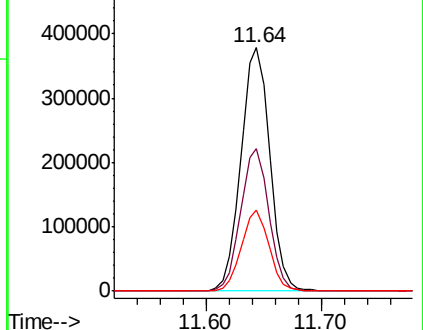
119 33.4 25.8 38.6

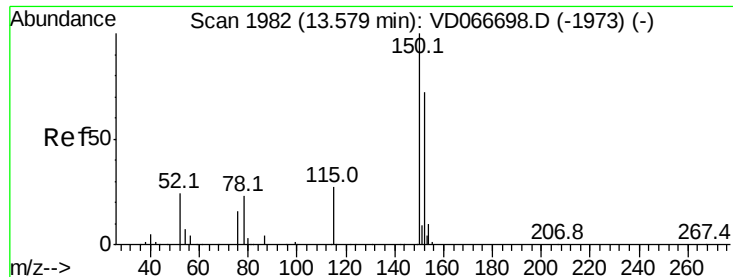


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-6E-(C-4)

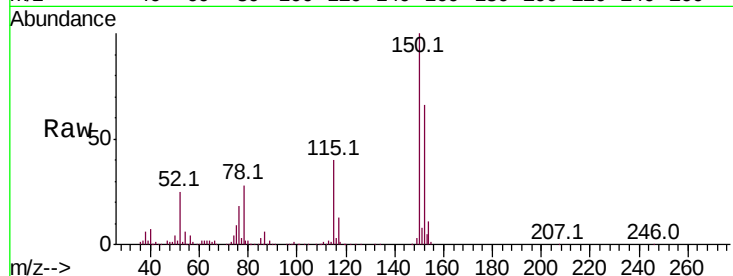
Tot Ion:152 Resp: 285531

Ion Ratio Lower Upper

152 100

115 61.1 30.5 91.5

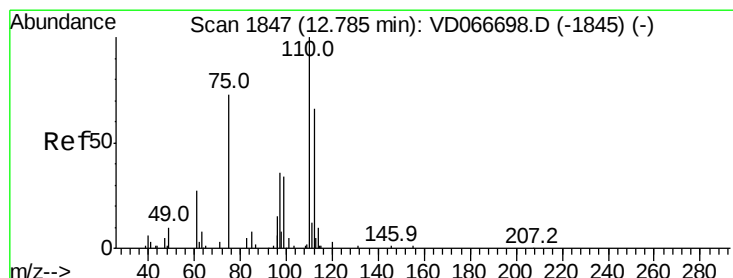
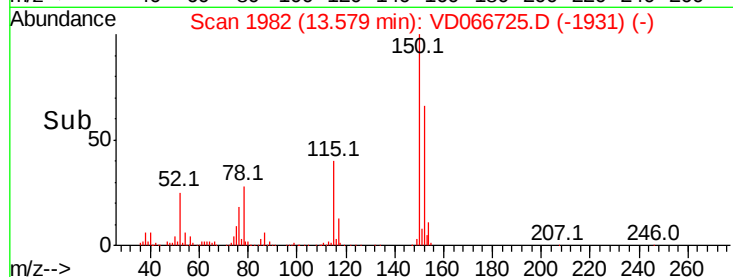
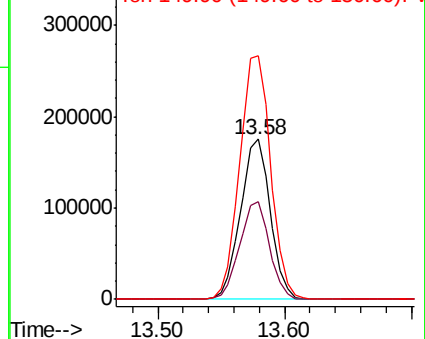
150 157.9 0.0 344.6



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: 64.194 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066725.D

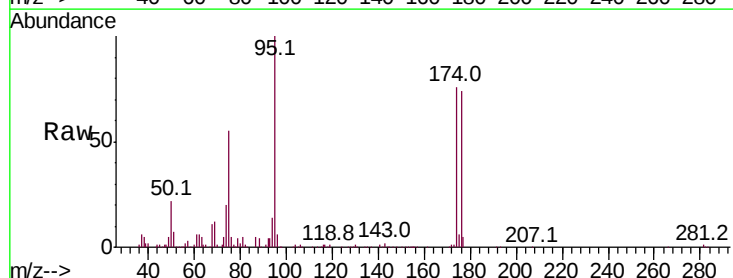
Acq: 16 Sep 2020 17:48

Tgt Ion: 75 Resp: 156893

Ion Ratio Lower Upper

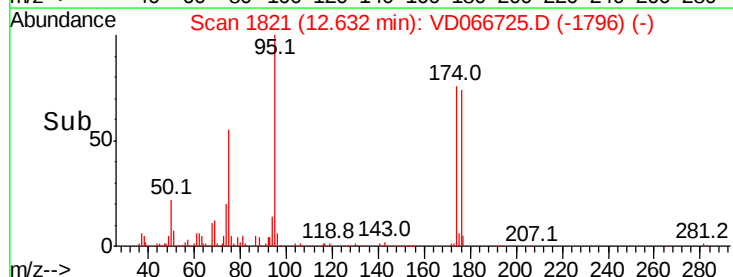
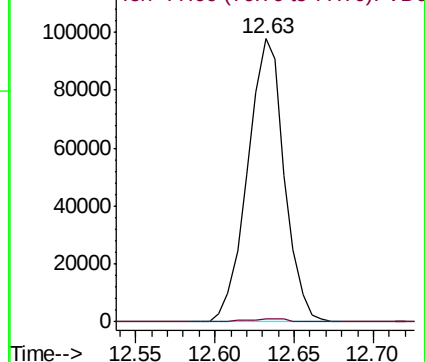
75 100

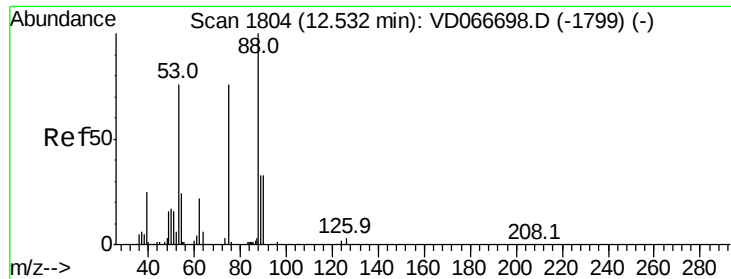
77 1.2 0.0 0.0#



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: 138.543 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066725.D

Acq: 16 Sep 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-6E-(C-4)

Tot Ion: 75 Resp: 156893

Ion Ratio Lower Upper

75 100

53 0.2 82.2 123.4#

89 0.0 39.6 59.4#

