

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066936.D
 Acq On : 29 Sep 2020 14:01
 Operator : VA/SY
 Sample : L4176-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AC-4

Quant Time: Sep 30 02:36:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	412425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	713377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	746043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346023	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	209727	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	7.91	113	229871	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.34	98	872036	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
62) 4-Bromofluorobenzene	12.63	95	318192	60.11	ug/l	0.00
Spiked Amount			Recovery	=	120.22%	

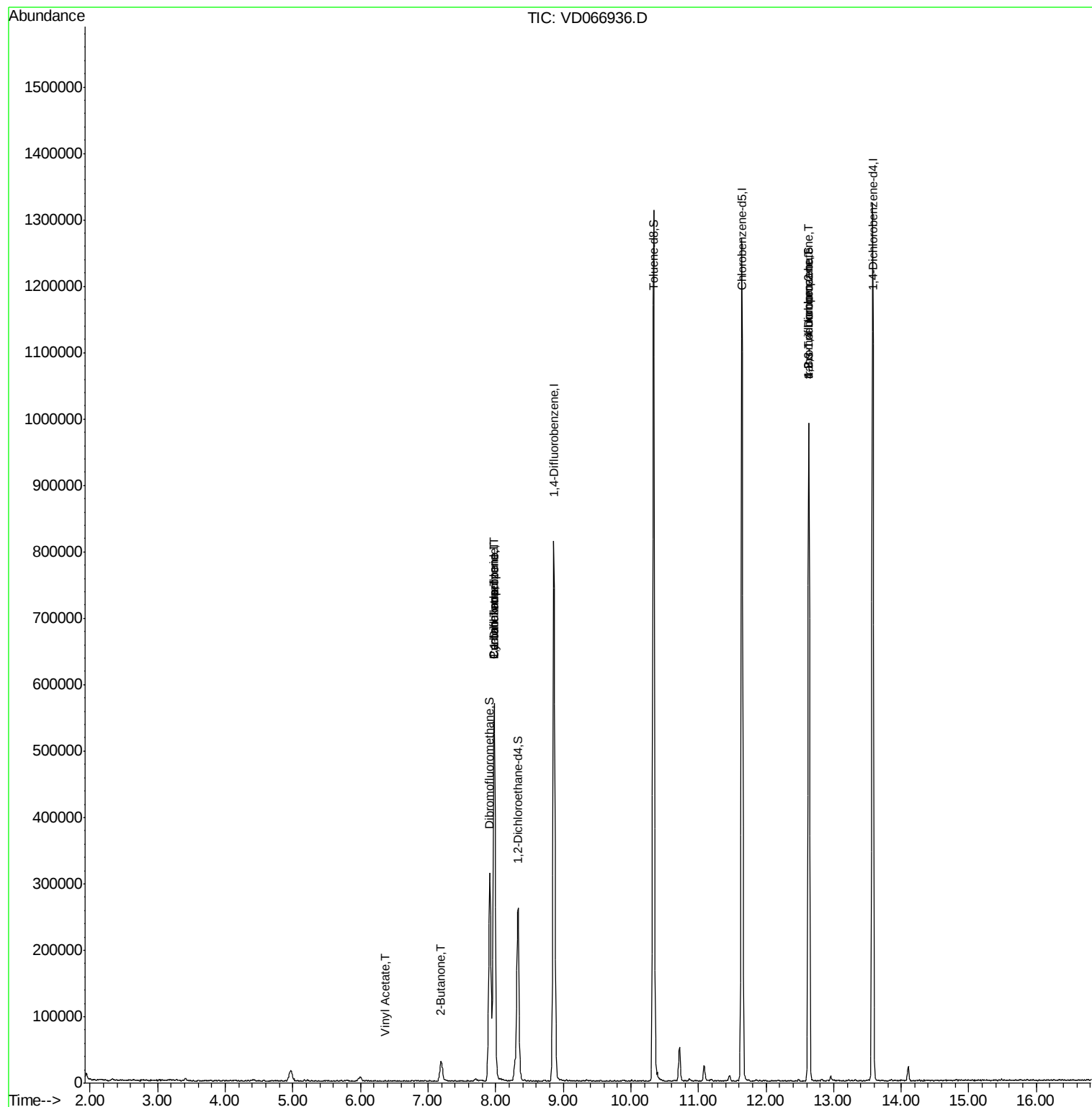
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	402	Below Cal	#	46
11) Tert butyl alcohol	5.22	59	443	Below Cal	#	72
18) Methyl Acetate	4.74	43	54	Below Cal	#	50
20) Methylene Chloride	4.97	84	13366	Below Cal	#	84
23) Vinyl Acetate	6.36	43	125	2.691	ug/l #	71
25) 2-Butanone	7.19	43	1342	1.304	ug/l #	46
31) Cyclohexane	7.97	56	9047	1.233	ug/l #	18
36) 1,1-Dichloropropene	7.97	75	30900	4.366	ug/l #	51
38) Carbon Tetrachloride	7.98	117	44138	5.704	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	163534	57.029	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	163534	142.681	ug/l #	10

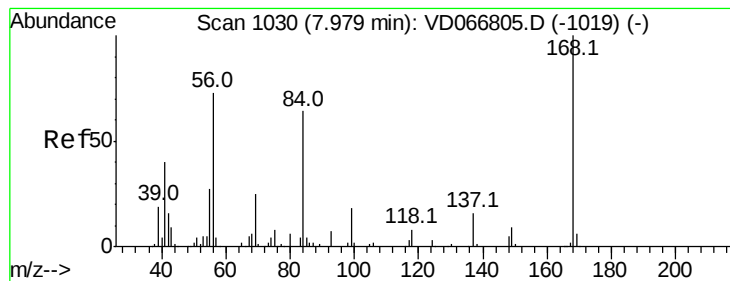
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
Data File : VD066936.D
Acq On : 29 Sep 2020 14:01
Operator : VA/SY
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AC-4

Quant Time: Sep 30 02:36:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066936.D

Acq: 29 Sep 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

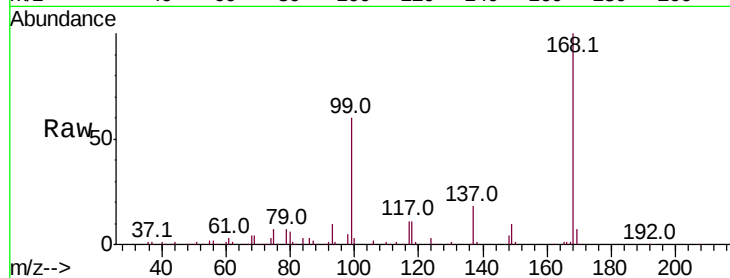
AC-4

Tot Ion:168 Resp: 412425

Ion Ratio Lower Upper

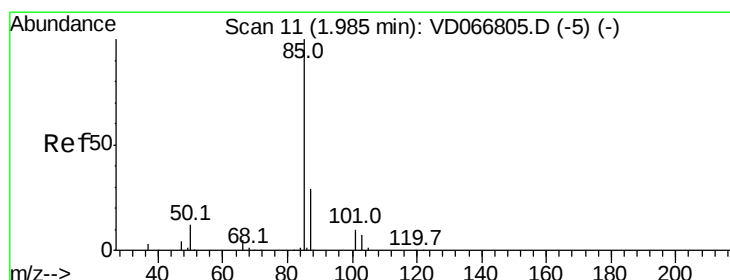
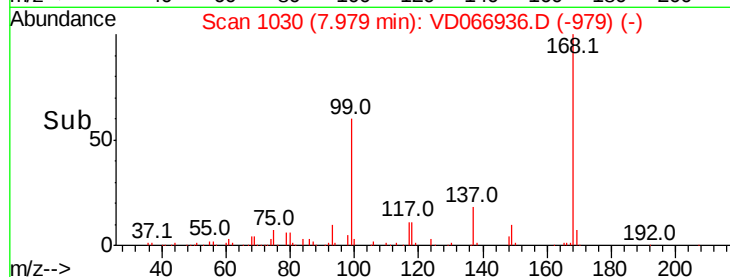
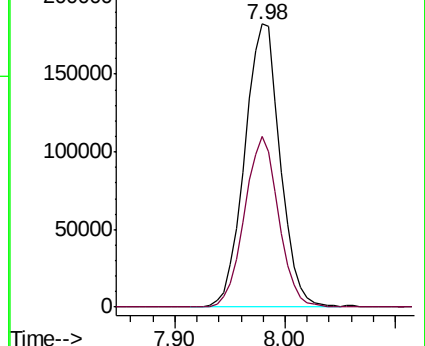
168 100

99 60.2 46.6 69.8



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. 0.01 min

Lab File: VD066936.D

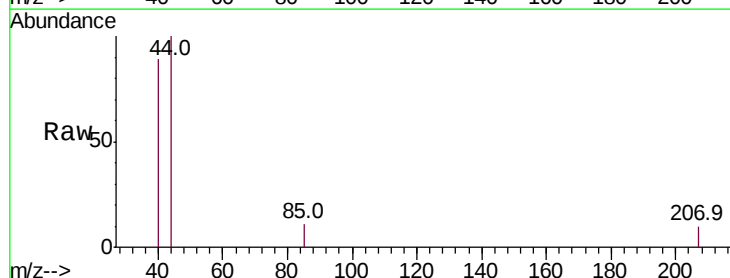
Acq: 29 Sep 2020 14:01

Tgt Ion: 85 Resp: 402

Ion Ratio Lower Upper

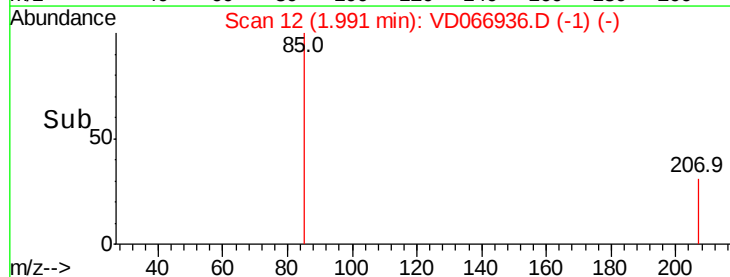
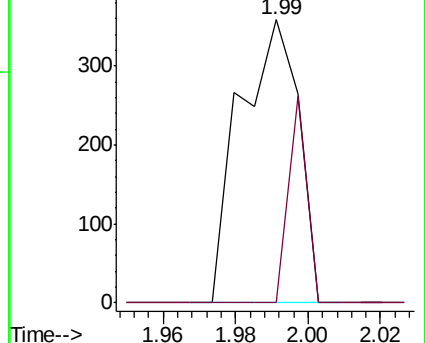
85 100

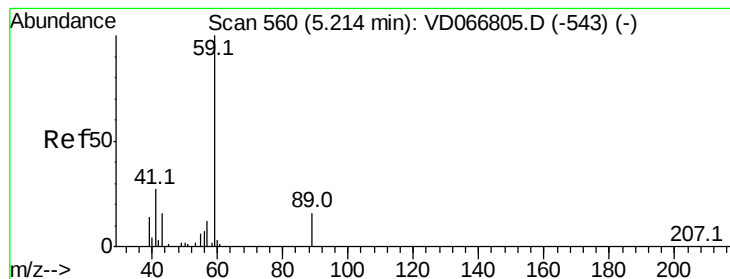
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



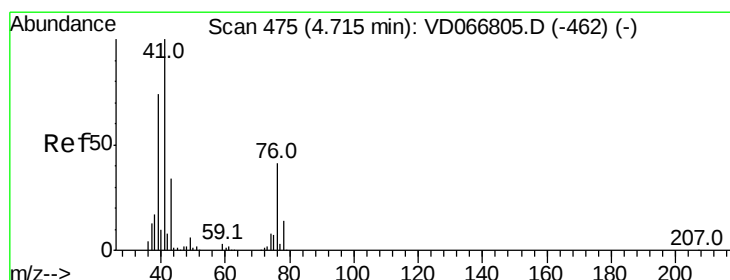
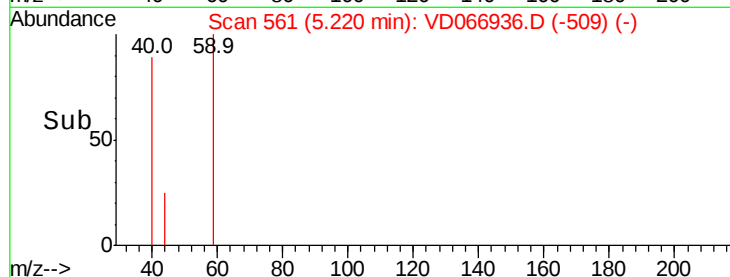
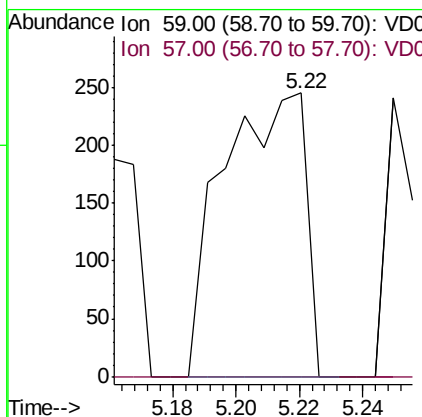
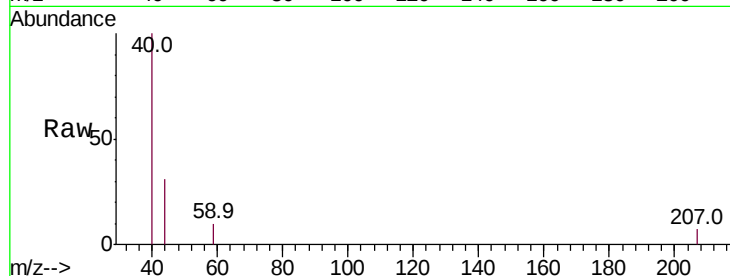


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066936.D
 Acq: 29 Sep 2020 14:01

Instrument :
 MSVOA_D
 ClientSampleID :
 AC-4

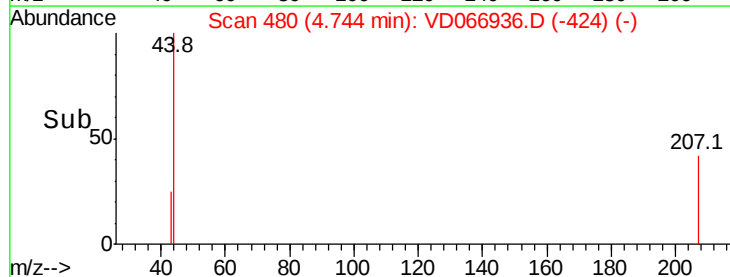
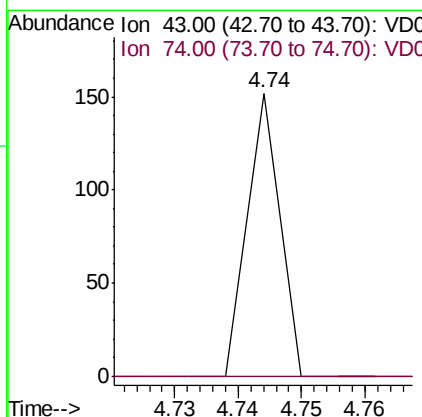
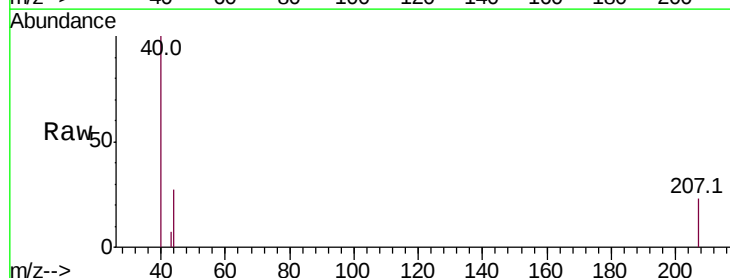
Tot Ion: 59 Resp: 443
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

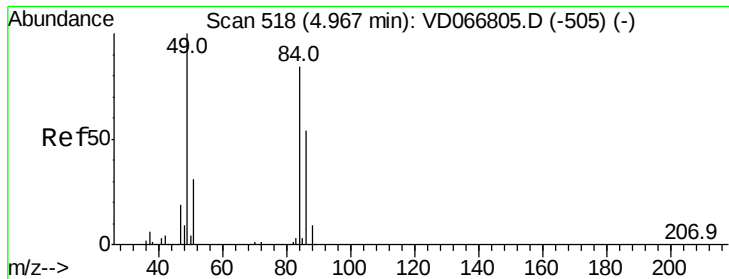


#18

Methyl Acetate
 Concen: Below Cal
 RT: 4.74 min Scan# 480
 Delta R.T. 0.03 min
 Lab File: VD066936.D
 Acq: 29 Sep 2020 14:01

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.3 30.5#

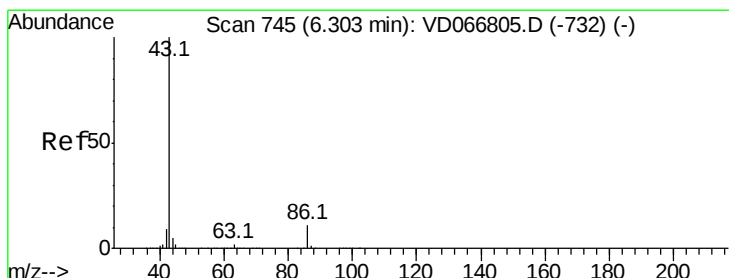
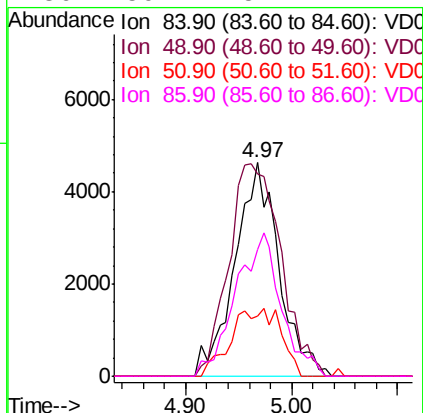
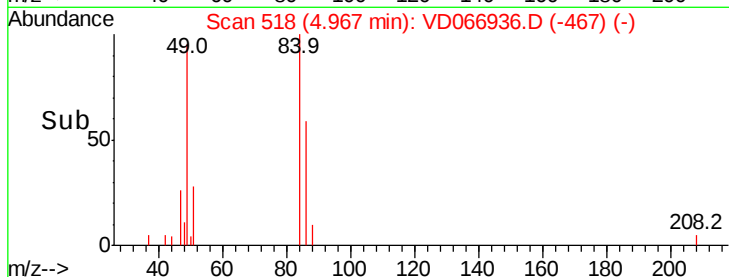
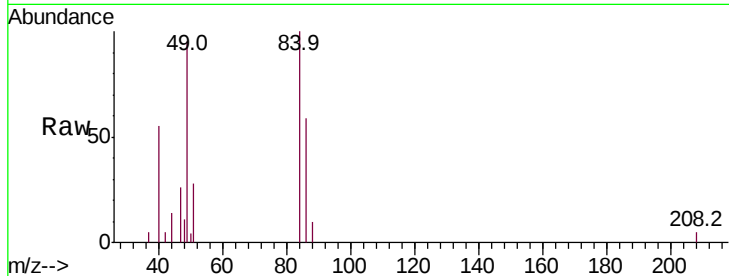




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066936.D
Acq: 29 Sep 2020 14:01

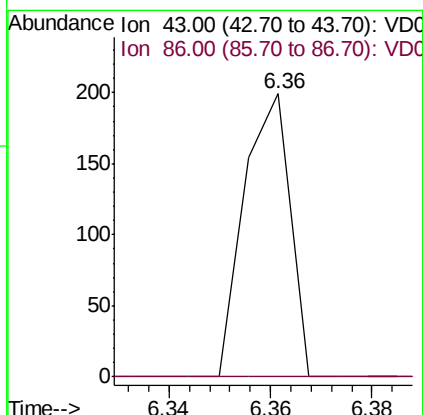
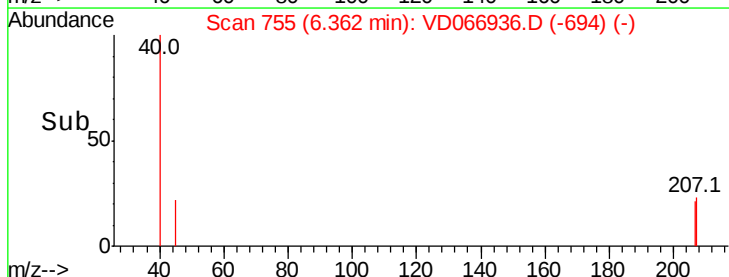
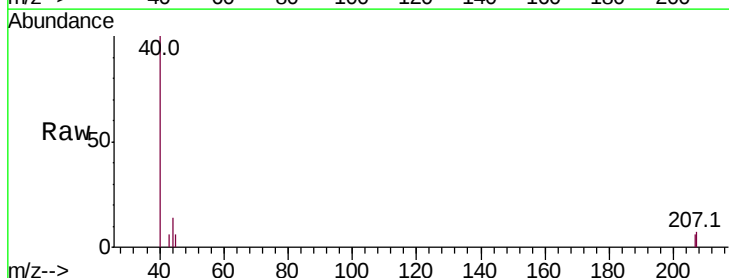
Instrument :
MSVOA_D
ClientSampleId :
AC-4

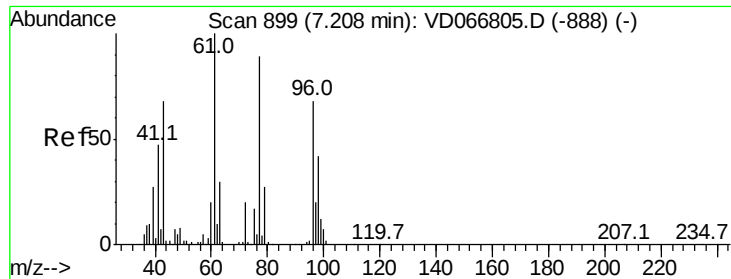
Tot Ion: 84 Resp: 13366
Ion Ratio Lower Upper
84 100
49 95.0 95.4 143.2#
51 28.3 29.7 44.5#
86 59.1 51.4 77.2



#23
Vinyl Acetate
Concen: 2.691 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.06 min
Lab File: VD066936.D
Acq: 29 Sep 2020 14:01

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

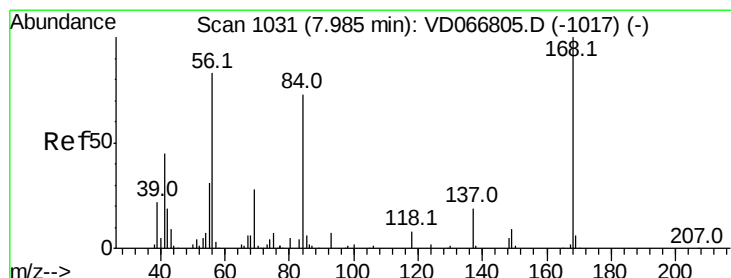
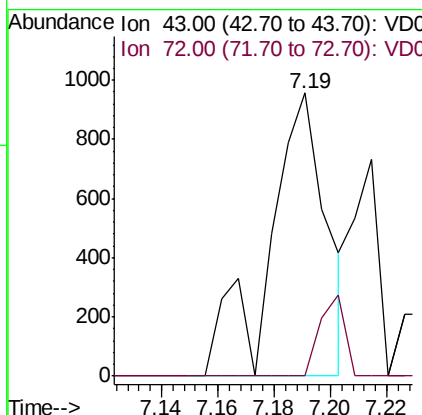
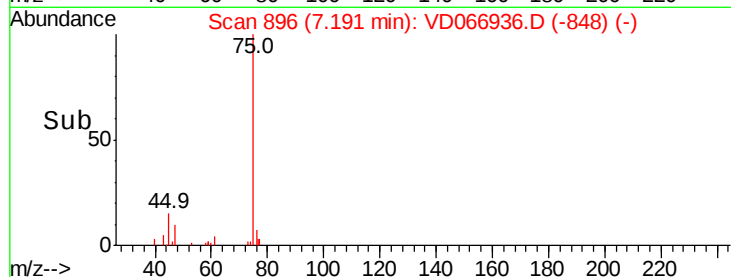
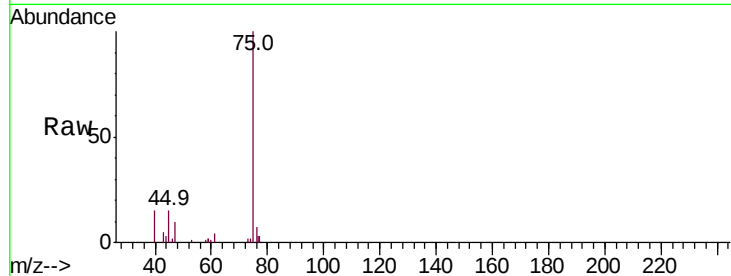




#25
2-Butanone
Concen: 1.304 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD066936.D
Acq: 29 Sep 2020 14:01

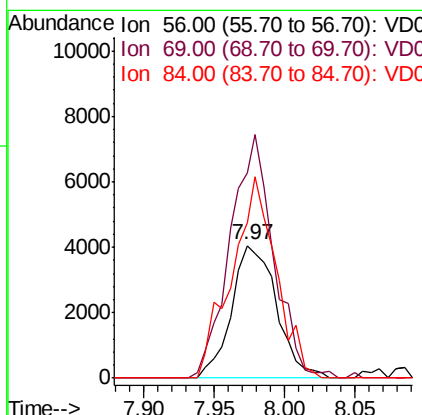
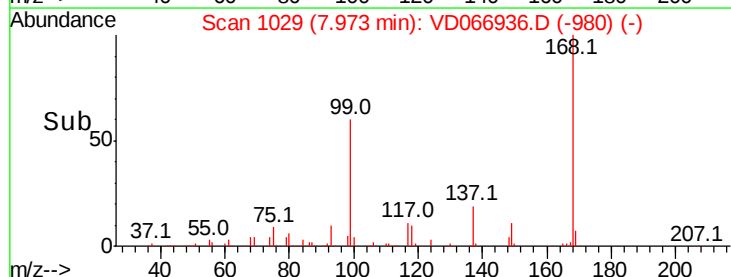
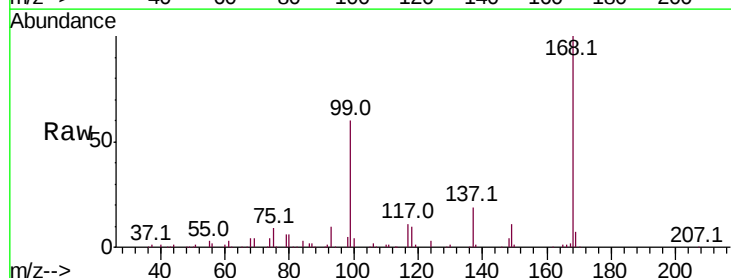
Instrument :
MSVOA_D
ClientSampled :
AC-4

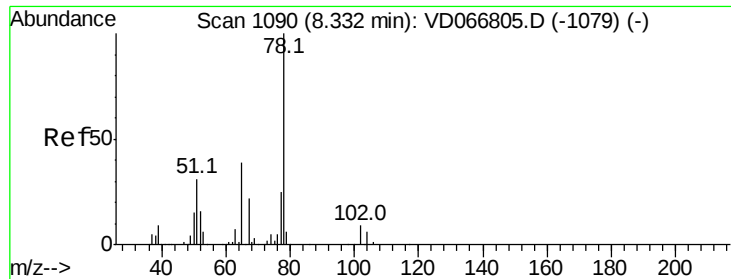
Tot Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066936.D
Acq: 29 Sep 2020 14:01

Tgt Ion: 56 Resp: 9047
Ion Ratio Lower Upper
56 100
69 155.1 27.0 40.4#
84 117.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 51.956 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066936.D

Acq: 29 Sep 2020 14:01

Instrument :

MSVOA_D

ClientSampled :

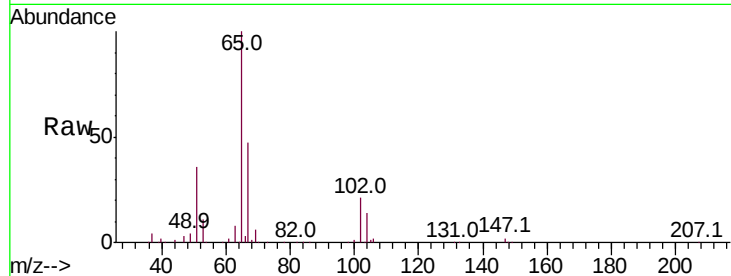
AC-4

Tot Ion: 65 Resp: 209727

Ion Ratio Lower Upper

65 100

67 51.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

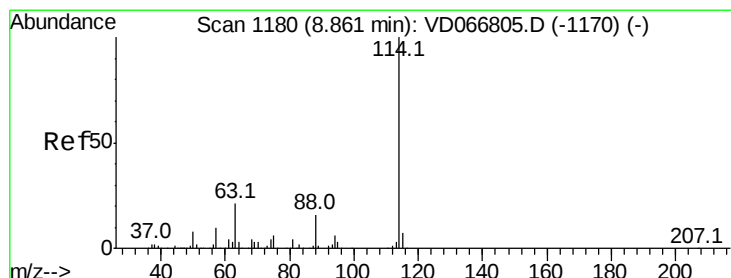
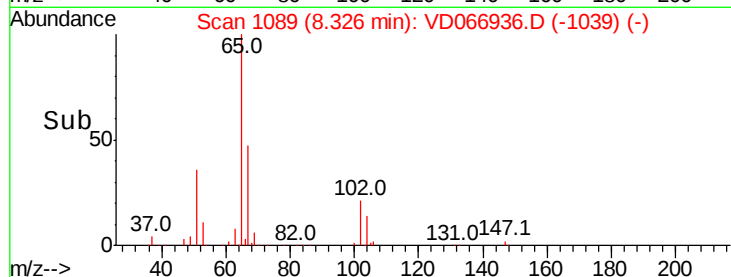
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066936.D

Acq: 29 Sep 2020 14:01

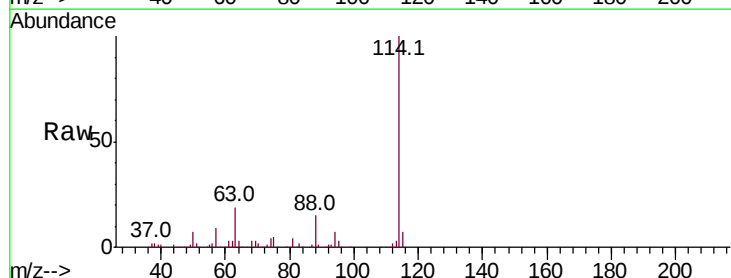
Tgt Ion: 114 Resp: 713377

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 15.2 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

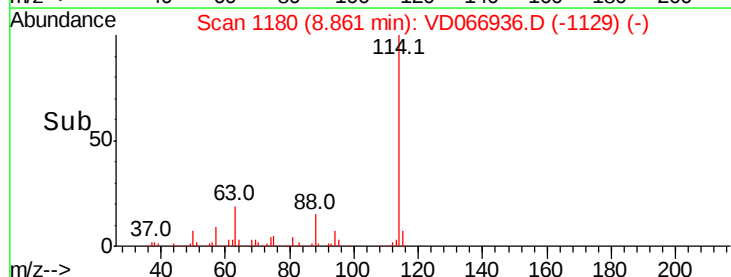
300000

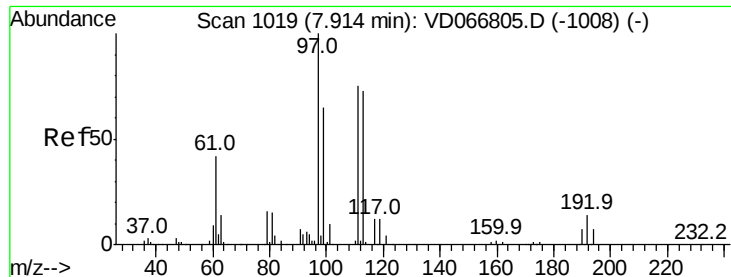
200000

100000

0

Time--> 8.80 8.90 9.00

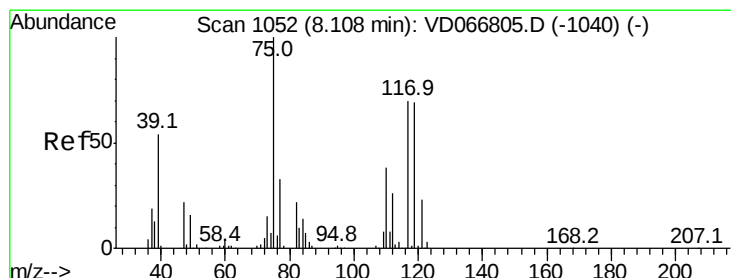
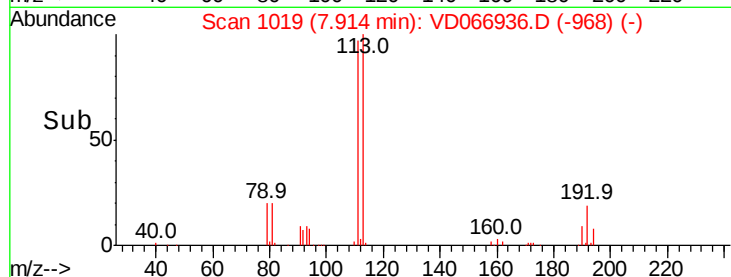
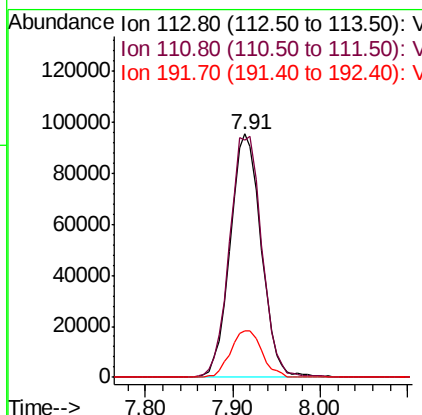
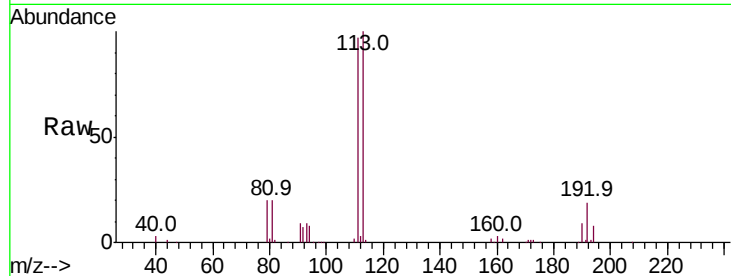




#35
 Dibromofluoromethane
 Concen: 50.649 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066936.D
 Acq: 29 Sep 2020 14:01

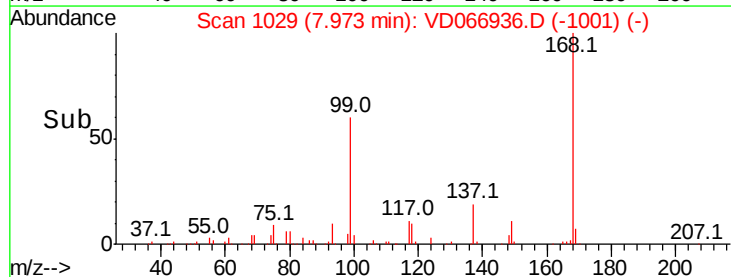
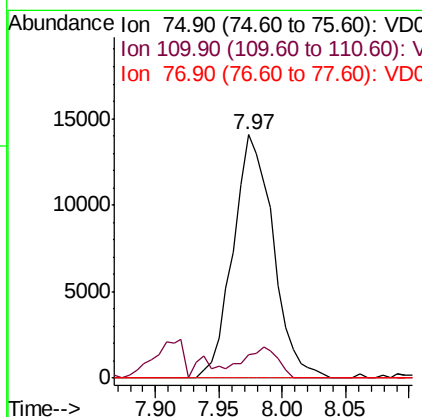
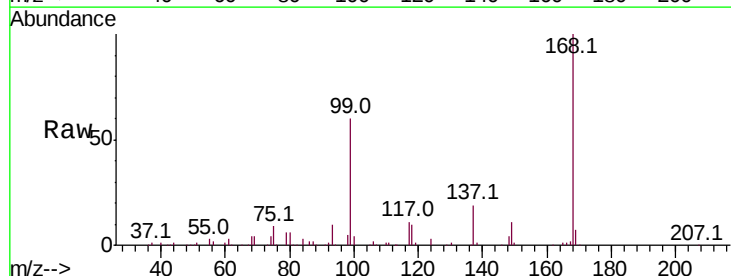
Instrument :
 MSVOA_D
 ClientSampleId :
 AC-4

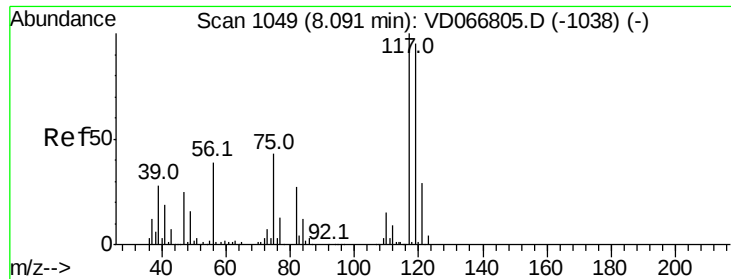
Tot Ion:113 Resp: 229871
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 19.5 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.366 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066936.D
 Acq: 29 Sep 2020 14:01

Tgt Ion: 75 Resp: 30900
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.9 53.8#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.704 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066936.D

Acq: 29 Sep 2020 14:01

Instrument :

MSVOA_D

ClientSampled :

AC-4

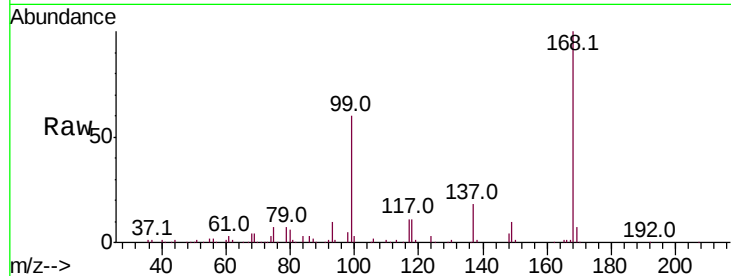
Tot Ion:117 Resp: 44138

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.8#

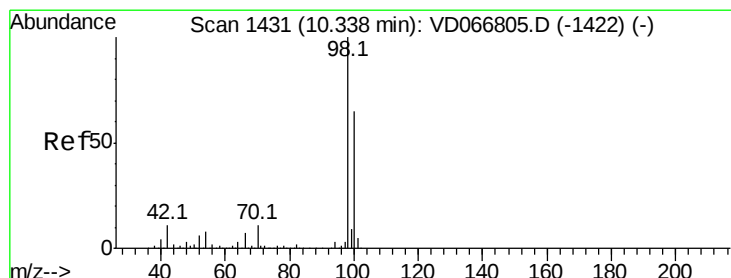
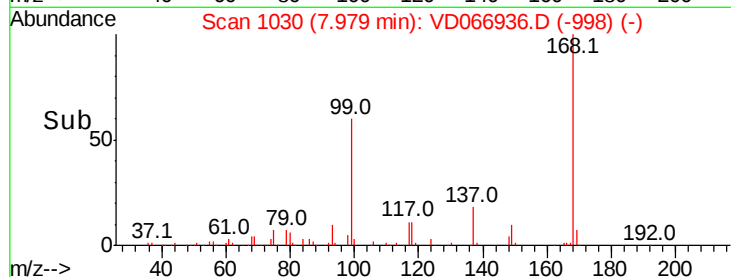
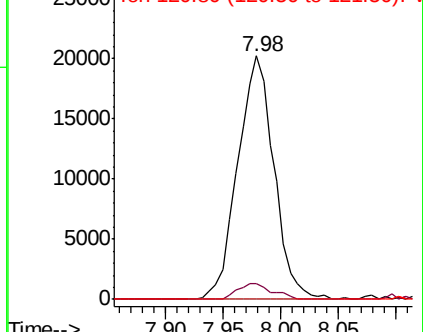
121 0.0 23.4 35.0#



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: 56.393 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066936.D

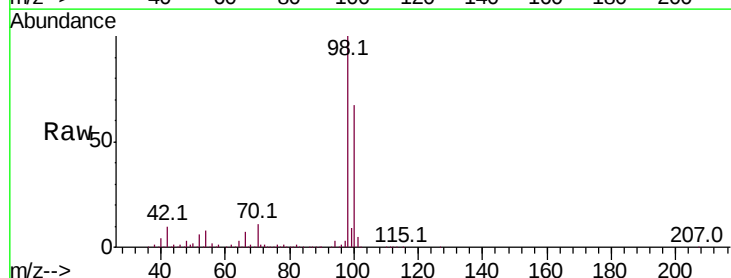
Acq: 29 Sep 2020 14:01

Tgt Ion: 98 Resp: 872036

Ion Ratio Lower Upper

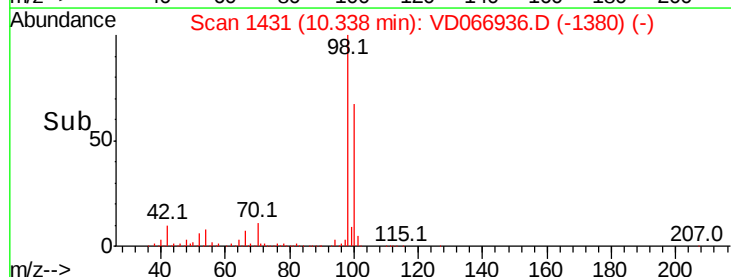
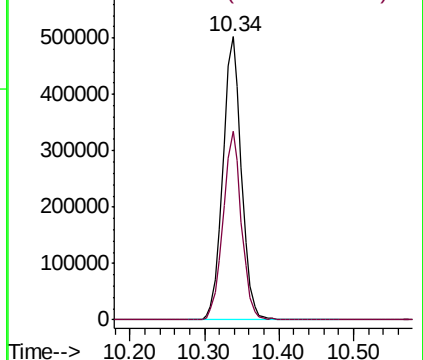
98 100

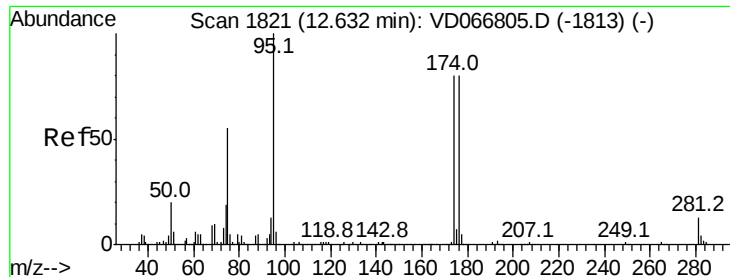
100 65.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

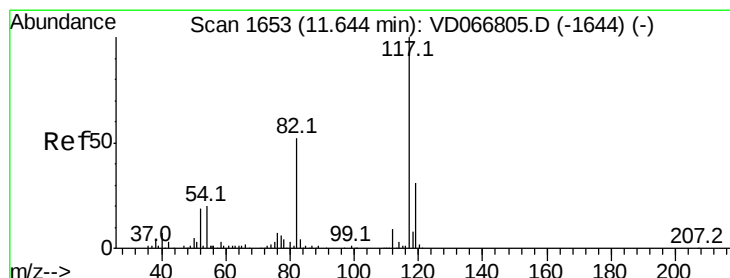
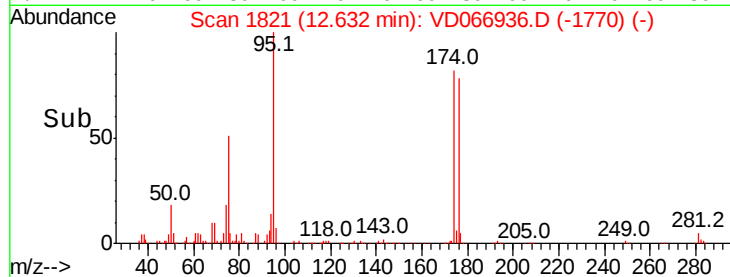
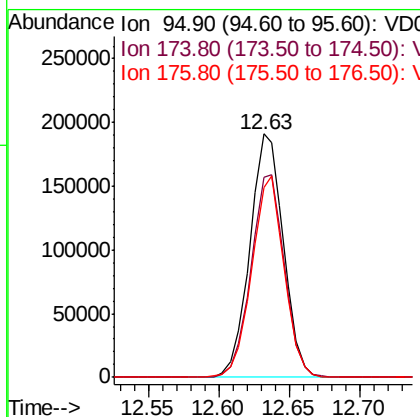
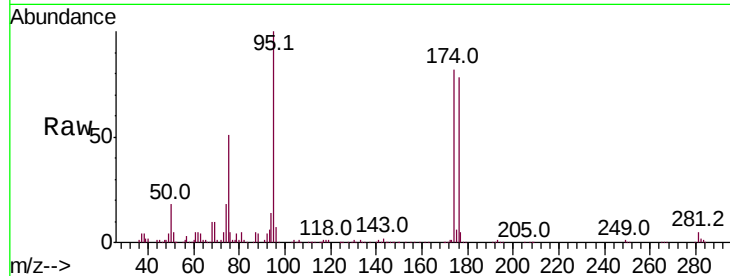




#62
4-Bromofluorobenzene
Concen: 60.108 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066936.D
Acq: 29 Sep 2020 14:01

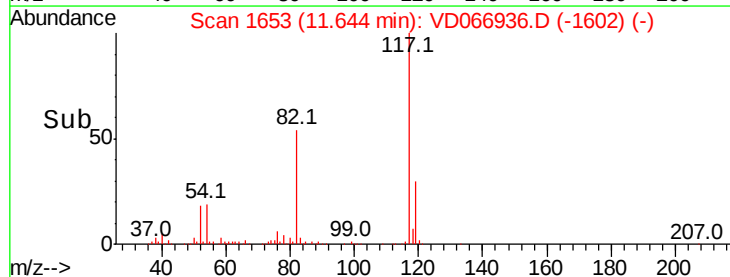
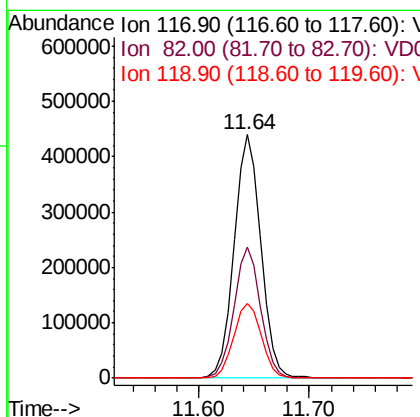
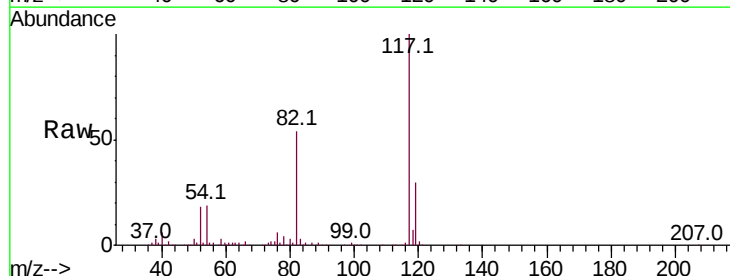
Instrument :
MSVOA_D
ClientSampleId :
AC-4

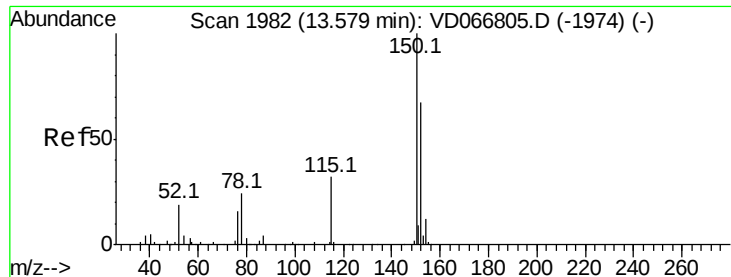
Tot Ion	95	Resp	318192
Ion Ratio	Lower	Upper	
95	100		
174	83.1	0.0	159.8
176	79.7	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066936.D
Acq: 29 Sep 2020 14:01

Tgt Ion	117	Resp	746043
Ion Ratio	Lower	Upper	
117	100		
82	54.1	41.8	62.6
119	30.4	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066936.D

Acq: 29 Sep 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

AC-4

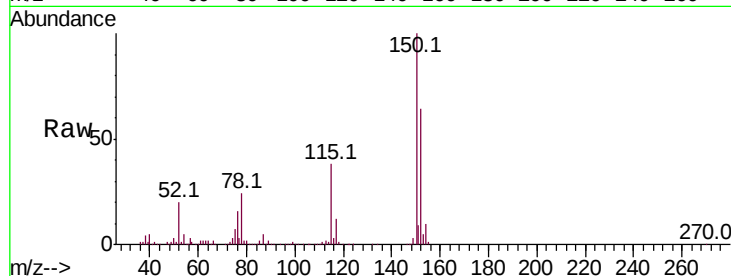
Tot Ion:152 Resp: 346023

Ion Ratio Lower Upper

152 100

115 59.5 30.3 91.0

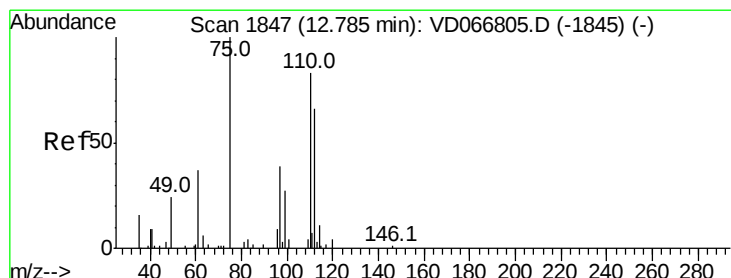
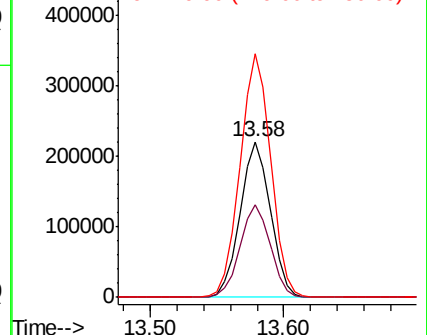
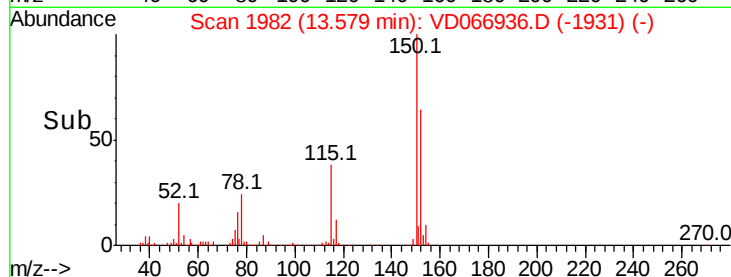
150 158.1 0.0 346.2



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: 57.029 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066936.D

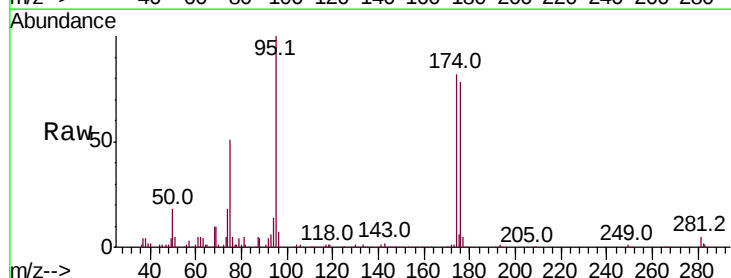
Acq: 29 Sep 2020 14:01

Tgt Ion: 75 Resp: 163534

Ion Ratio Lower Upper

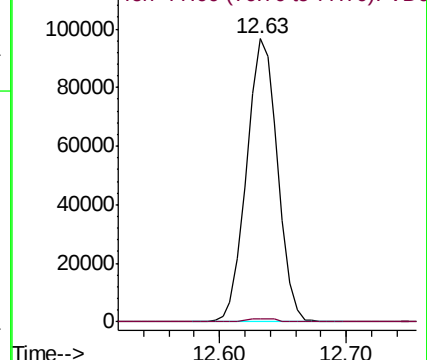
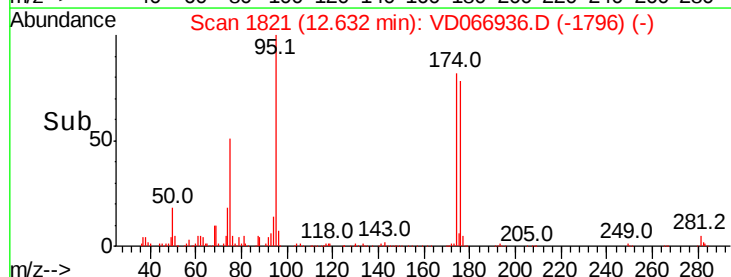
75 100

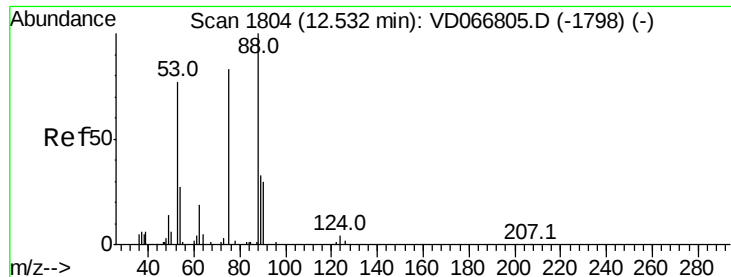
77 1.2 0.0 0.0#



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: 142.681 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066936.D

Acq: 29 Sep 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

AC-4

Tot Ion: 75 Resp: 163534

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 38.1 57.1#

