

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066815.D
 Acq On : 22 Sep 2020 17:13
 Operator : VA/SY
 Sample : L3872-07
 Misc : 5.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-02-092120

Quant Time: Sep 23 02:09:13 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	396430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	737917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	719954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309662	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	239333	61.68	ug/l	0.00
Spiked Amount			Recovery	=	123.36%	
35) Dibromofluoromethane	7.91	113	246043	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	10.34	98	908149	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
62) 4-Bromofluorobenzene	12.63	95	297052	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	

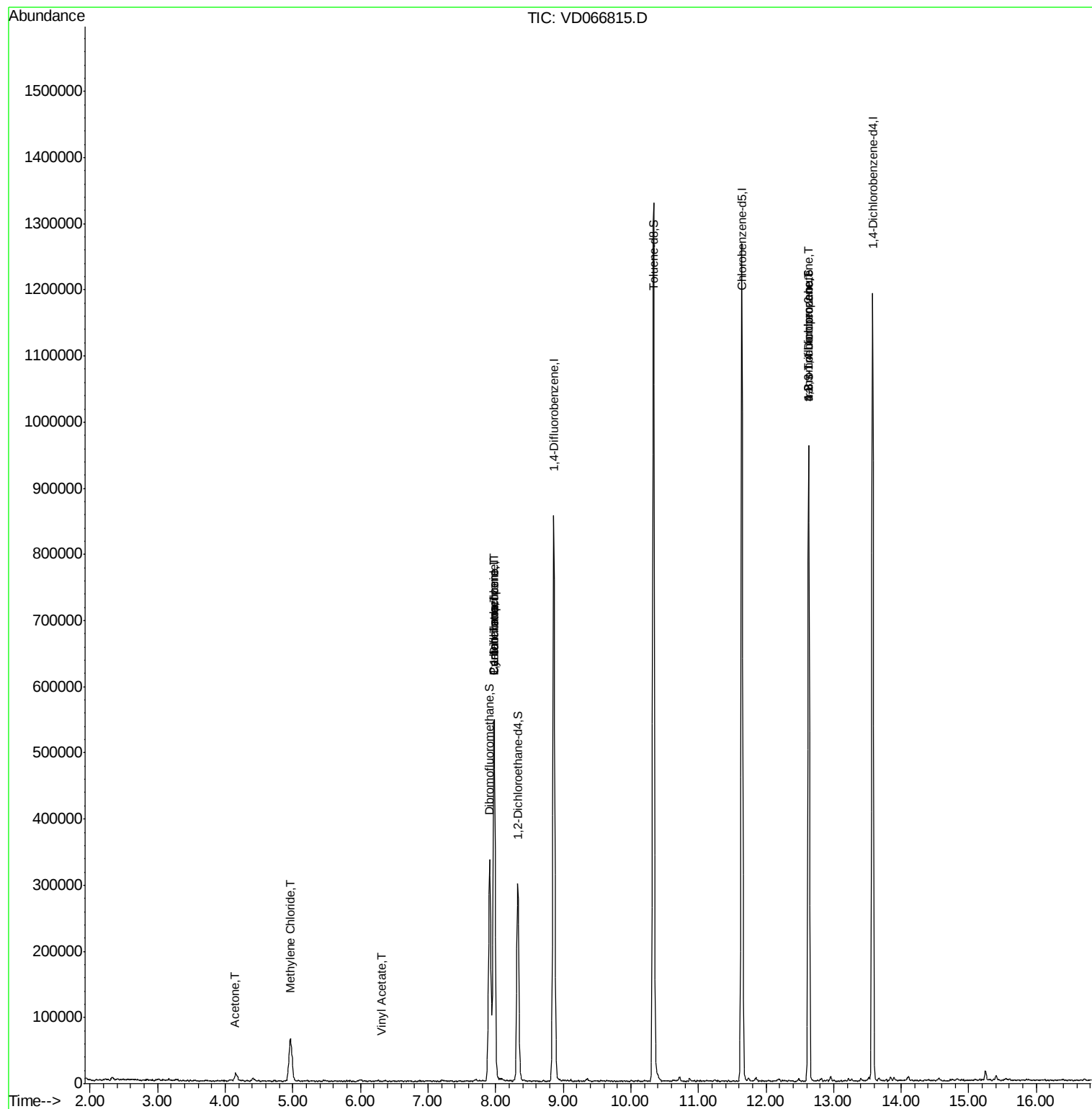
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	665	Below Cal		77
11) Tert butyl alcohol	5.16	59	84	Below Cal	#	72
16) Acetone	4.15	43	21291	25.867	ug/l	91
18) Methyl Acetate	4.72	43	88	Below Cal	#	50
20) Methylene Chloride	4.97	84	51290	6.479	ug/l	# 91
23) Vinyl Acetate	6.30	43	94	2.686	ug/l	# 71
31) Cyclohexane	7.97	56	9903	1.404	ug/l	# 31
36) 1,1-Dichloropropene	7.97	75	33376	4.559	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	43892	5.484	ug/l	# 18
76) 1,2,3-Trichloropropane	12.63	75	158709	61.845	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	158709	154.731	ug/l	# 10

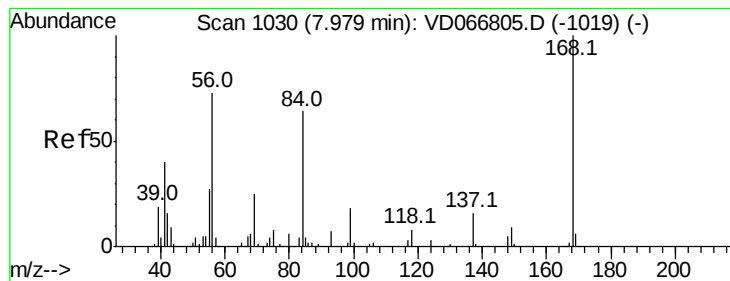
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
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Quant Time: Sep 23 02:09:13 2020
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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: VD066815.D

Acq: 22 Sep 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

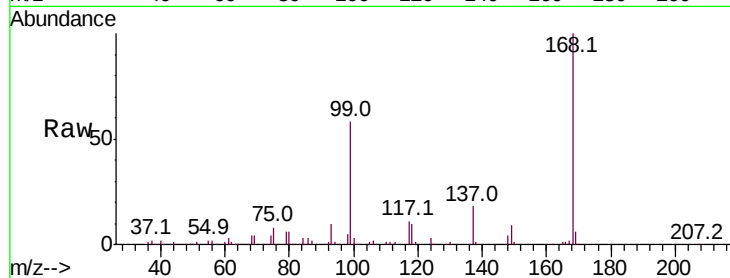
BU-02-092120

Tot Ion:168 Resp: 396430

Ion Ratio Lower Upper

168 100

99 57.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

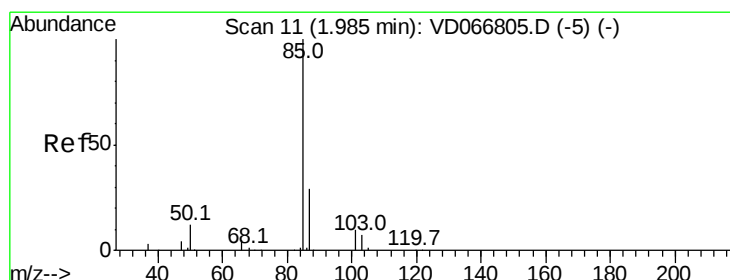
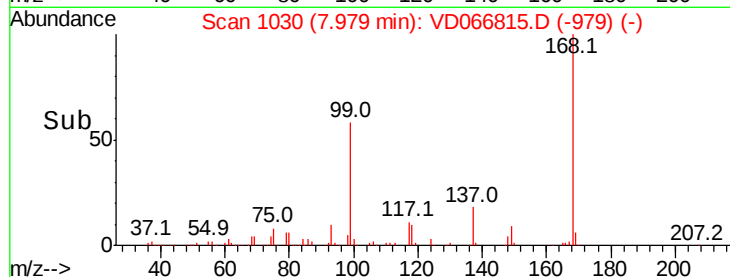
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066815.D

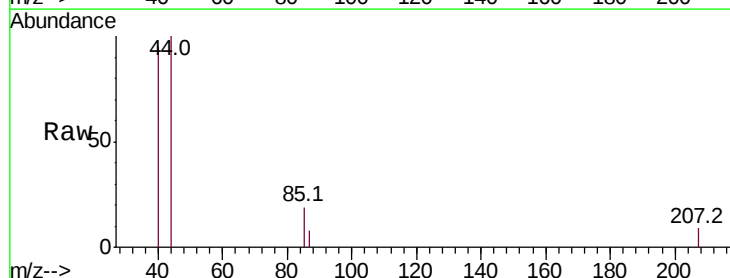
Acq: 22 Sep 2020 17:13

Tgt Ion: 85 Resp: 665

Ion Ratio Lower Upper

85 100

87 41.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

600

500

400

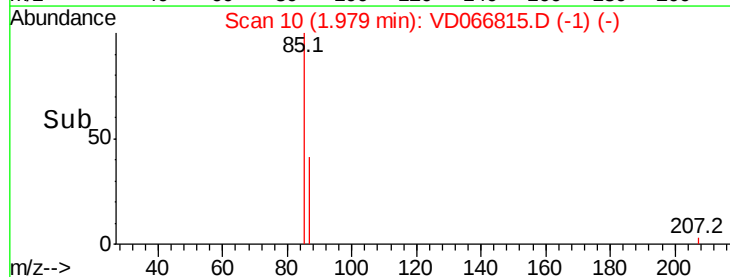
300

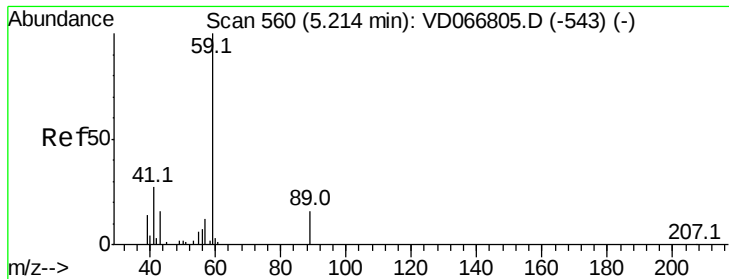
200

100

0

Time-->



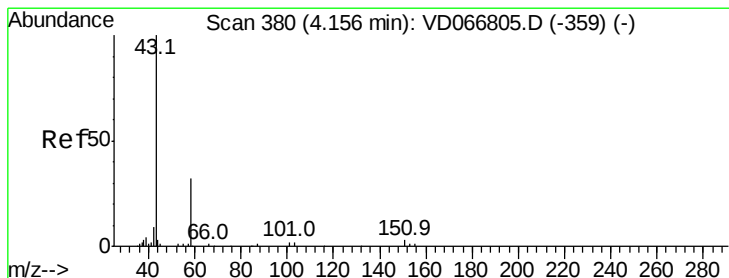
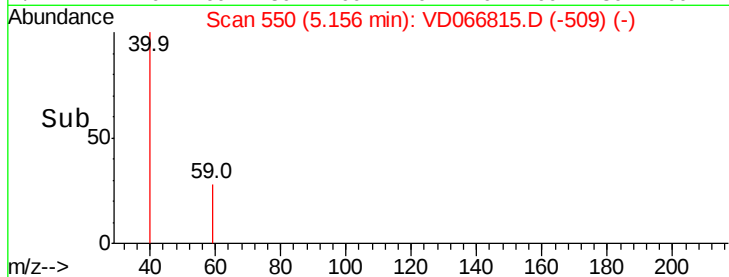
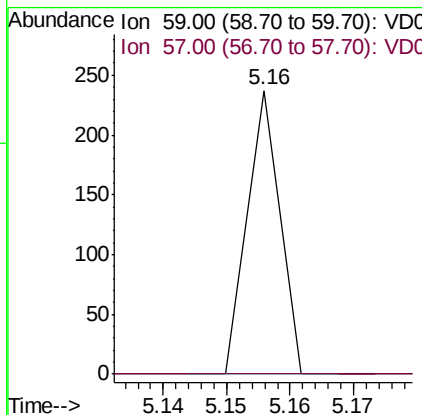
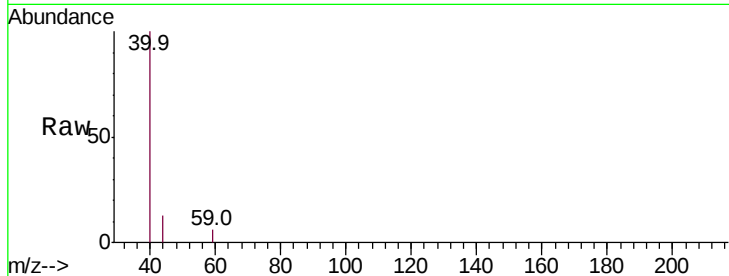


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.16 min Scan# 550
 Delta R.T. -0.06 min
 Lab File: VD066815.D
 Acq: 22 Sep 2020 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-02-092120

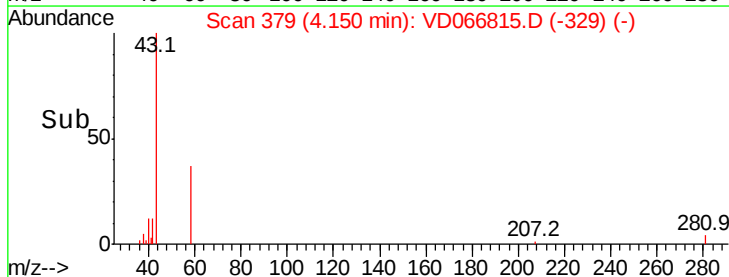
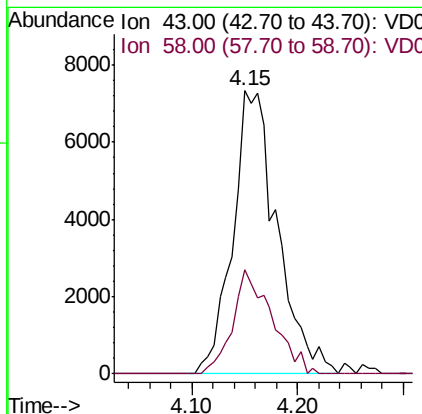
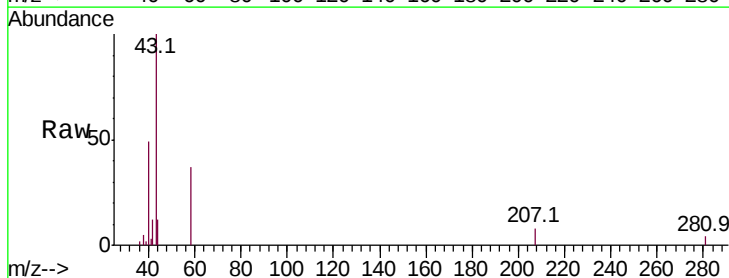
Tot Ion: 59 Resp: 84
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

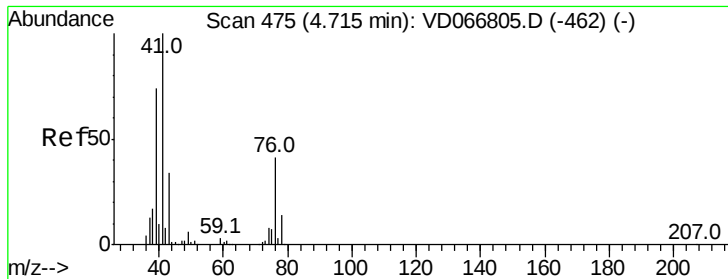


#16

Acetone
 Concen: 25.867 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066815.D
 Acq: 22 Sep 2020 17:13

Tgt Ion: 43 Resp: 21291
 Ion Ratio Lower Upper
 43 100
 58 36.8 25.6 38.4

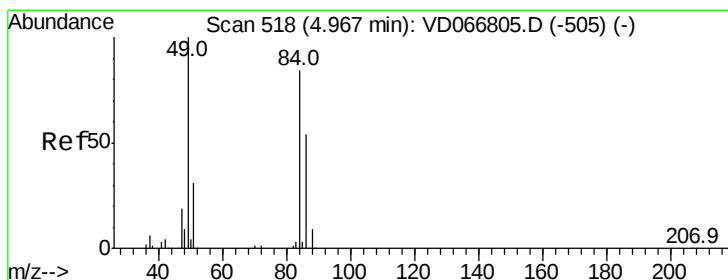
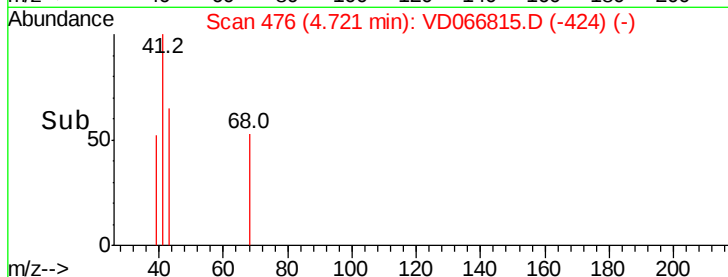
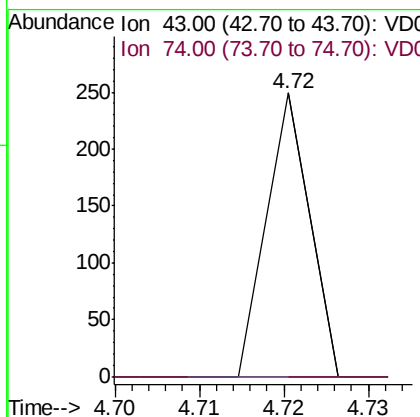
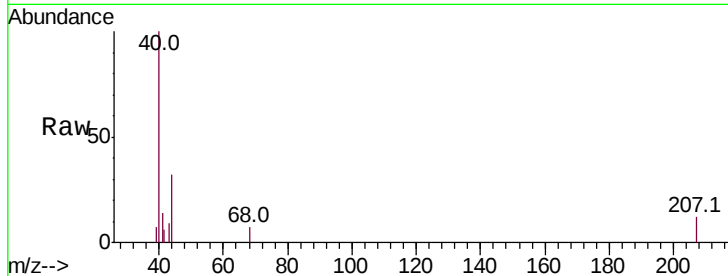




#18
Methyl Acetate
Concen: Below Cal
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066815.D
Acq: 22 Sep 2020 17:13

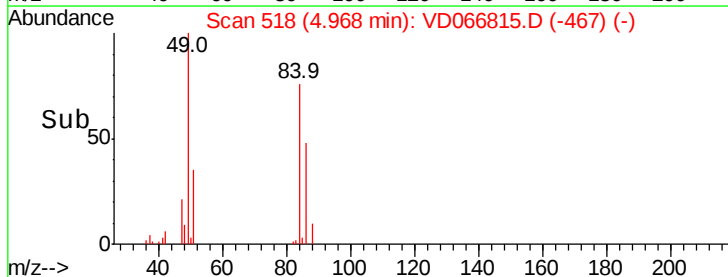
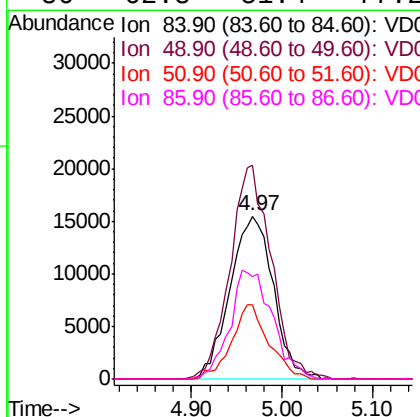
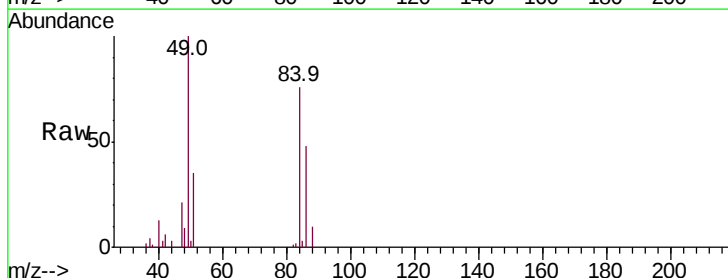
Instrument :
MSVOA_D
ClientSampled :
BU-02-092120

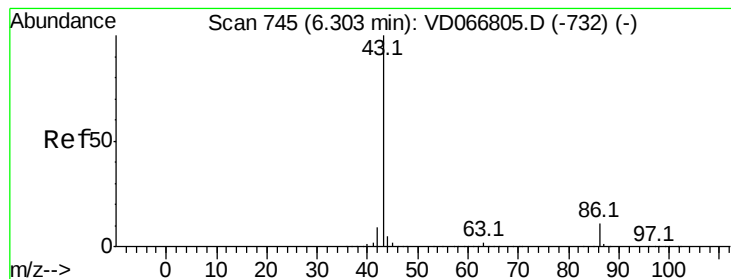
Tot Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 6.479 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066815.D
Acq: 22 Sep 2020 17:13

Tgt Ion: 84 Resp: 51290
Ion Ratio Lower Upper
84 100
49 131.0 95.4 143.2
51 45.8 29.7 44.5#
86 62.8 51.4 77.2





#23

Vinyl Acetate

Concen: 2.686 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066815.D

Acq: 22 Sep 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

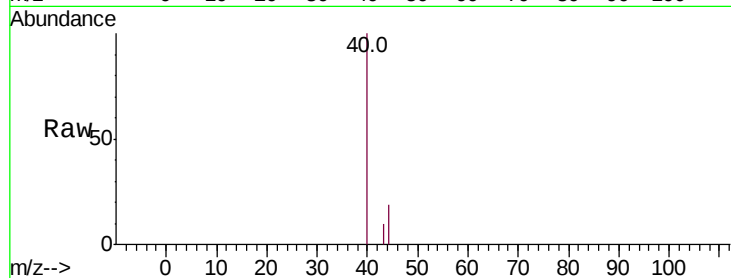
BU-02-092120

Tot Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250

200

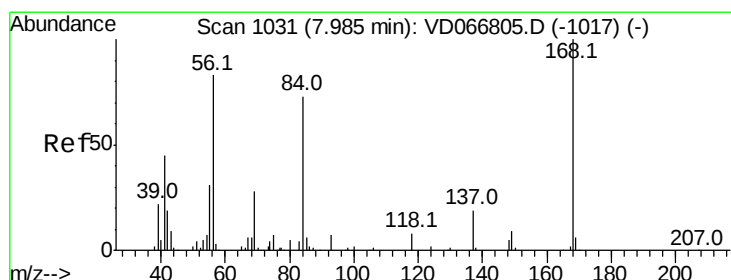
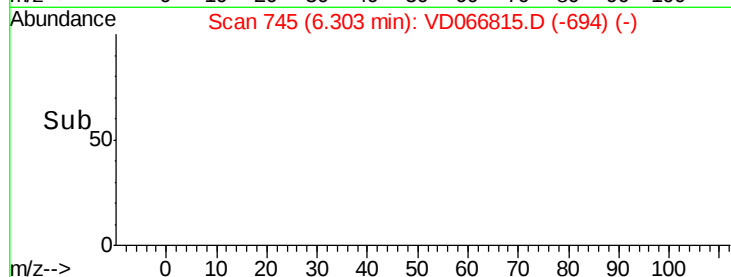
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.404 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066815.D

Acq: 22 Sep 2020 17:13

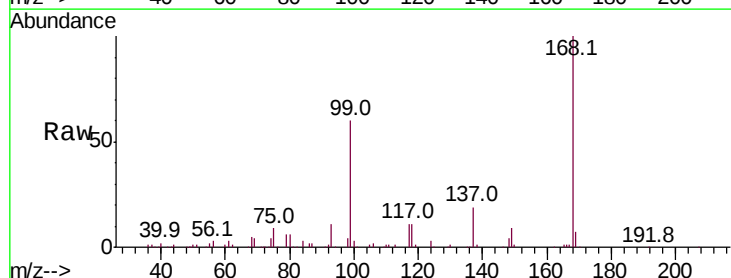
Tgt Ion: 56 Resp: 9903

Ion Ratio Lower Upper

56 100

69 133.0 27.0 40.4#

84 114.7 70.2 105.4#



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

10000

8000

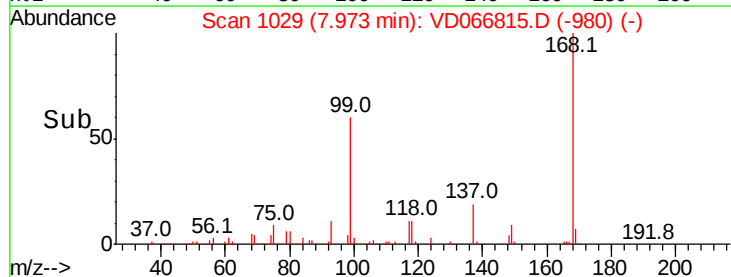
6000

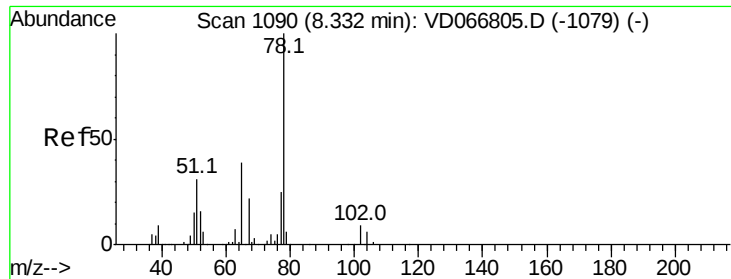
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 61.682 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

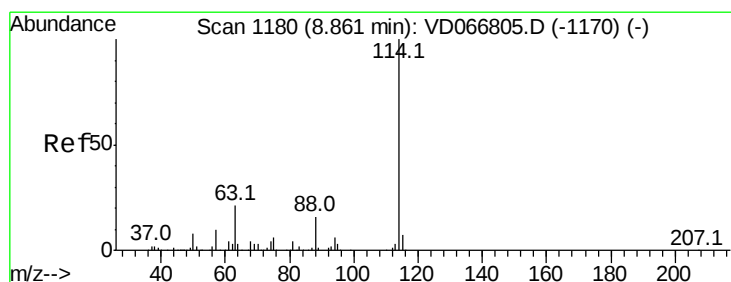
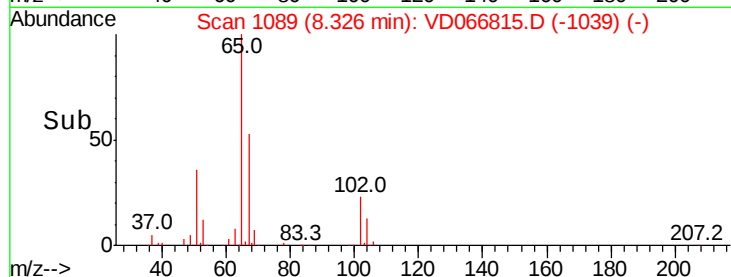
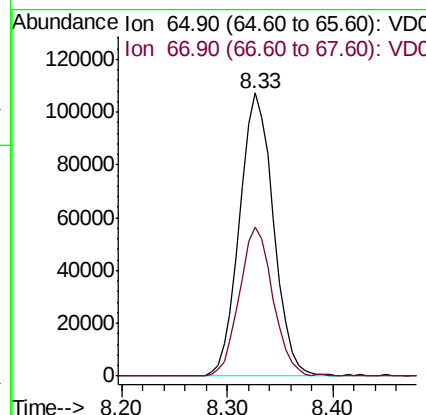
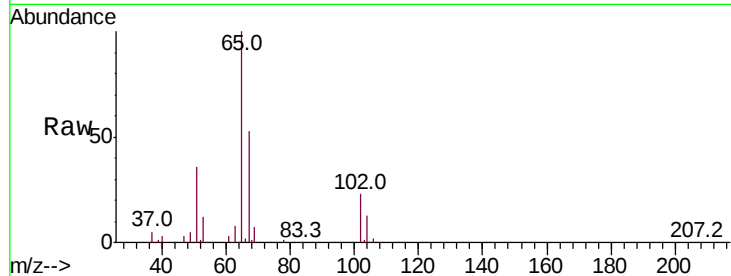
Lab File: VD066815.D

Acq: 22 Sep 2020 17:13

Instrument :
MSVOA_D
ClientSampleId :
BU-02-092120

Tot Ion: 65 Resp: 239333

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

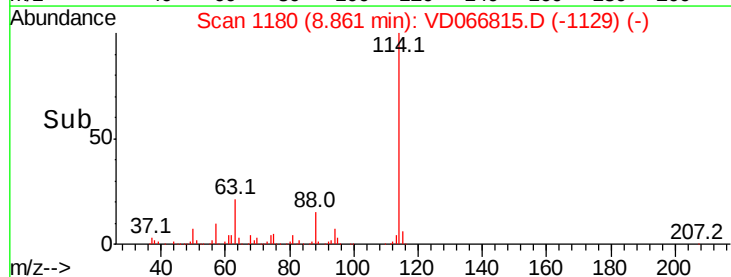
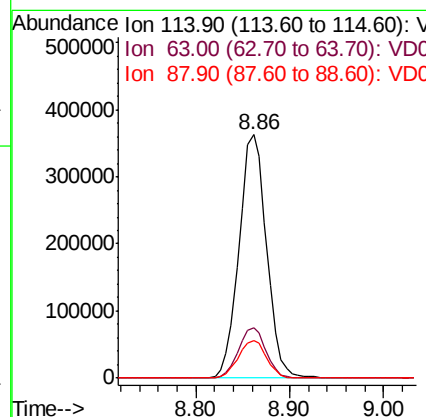
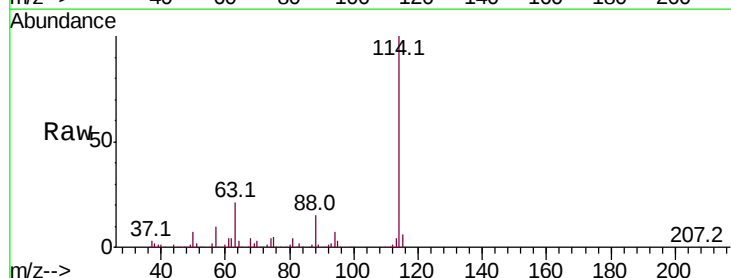
Delta R.T. 0.00 min

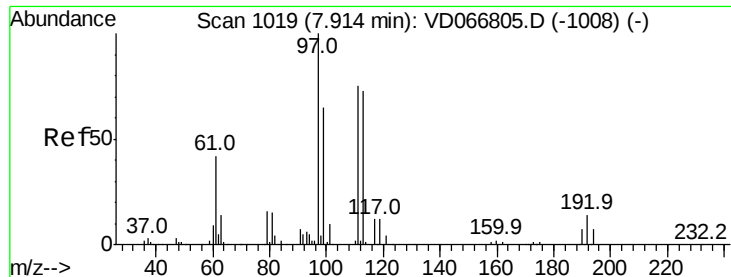
Lab File: VD066815.D

Acq: 22 Sep 2020 17:13

Tgt Ion: 114 Resp: 737917

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.6
88	15.5	0.0	32.6

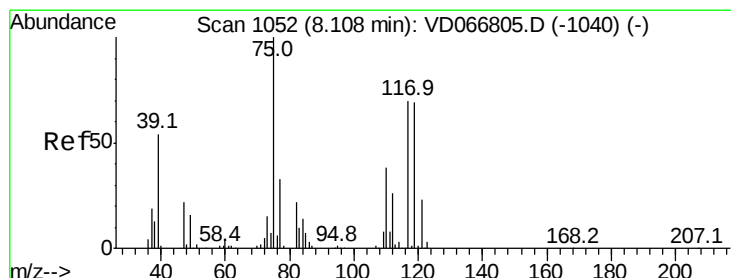
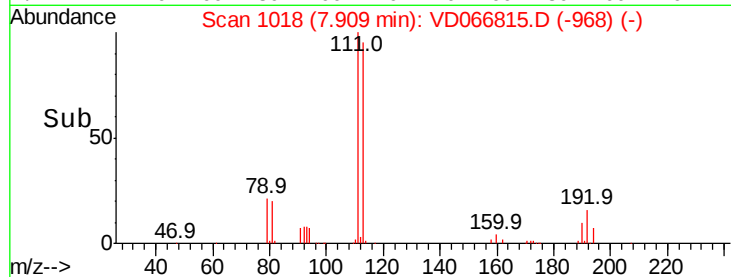
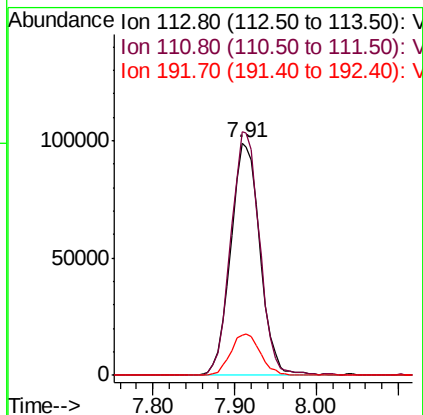
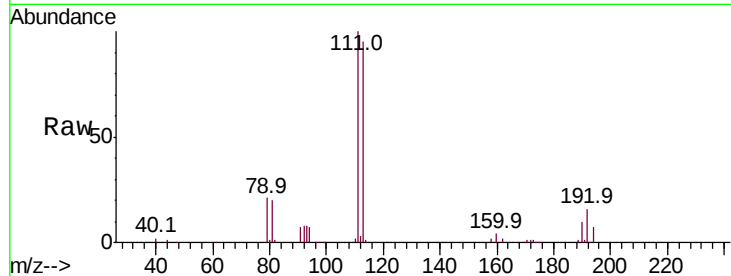




#35
 Dibromofluoromethane
 Concen: 52.409 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066815.D
 Acq: 22 Sep 2020 17:13

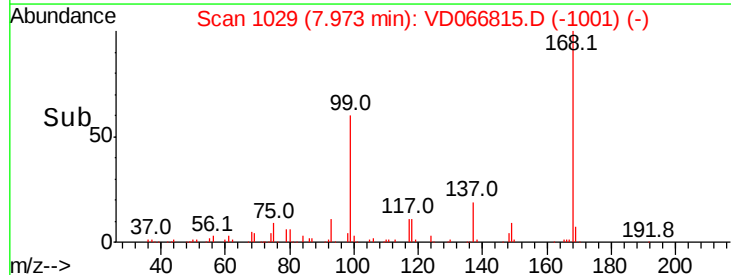
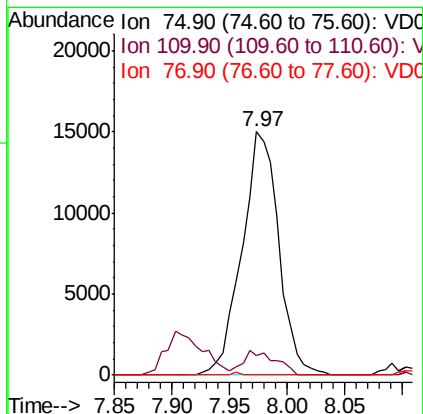
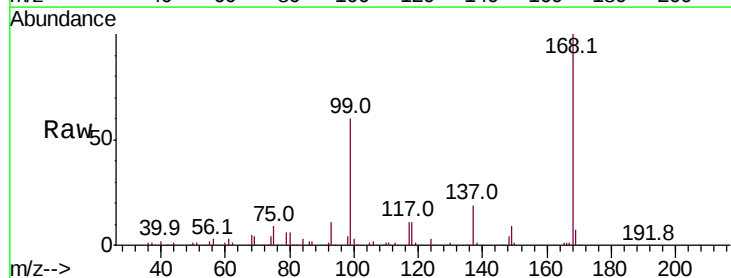
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-02-092120

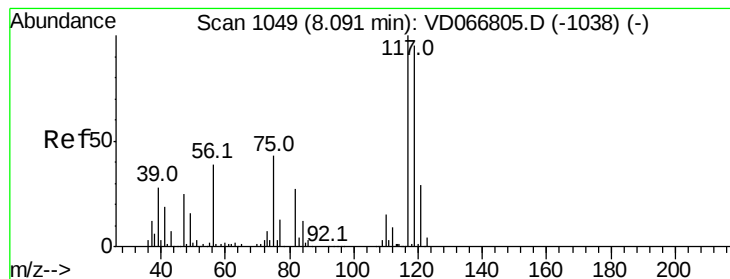
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	18.0	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066815.D
 Acq: 22 Sep 2020 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.8#
77	0.2	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066815.D

Acq: 22 Sep 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

BU-02-092120

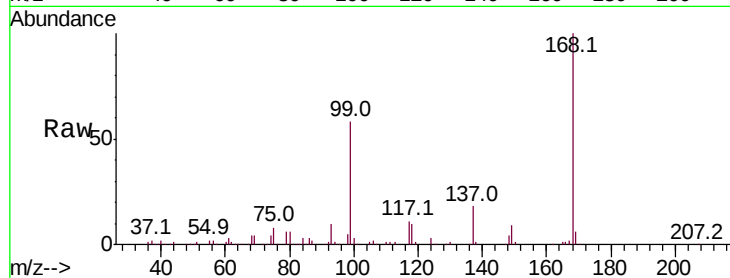
Tot Ion:117 Resp: 43892

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.8#

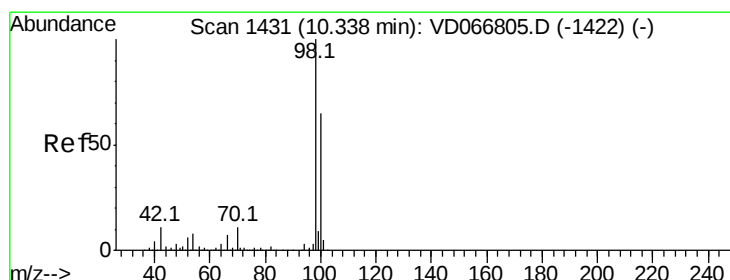
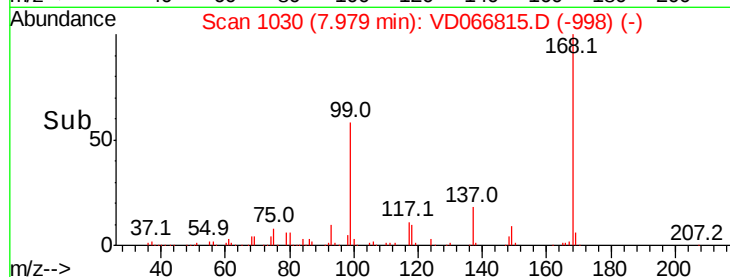
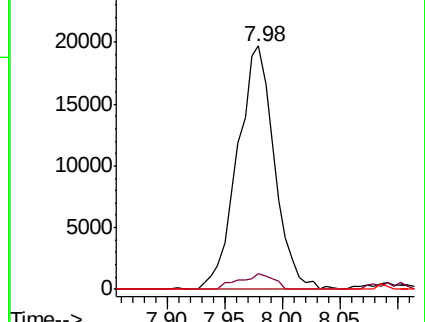
121 0.0 23.4 35.0#



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: 56.776 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066815.D

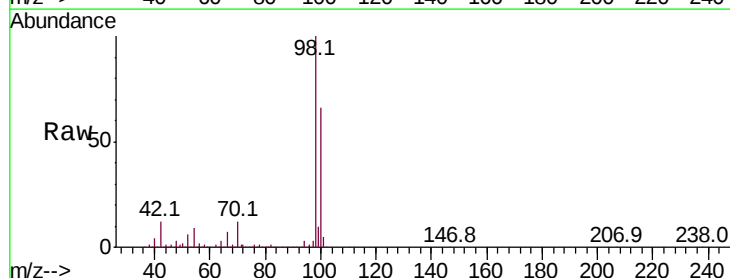
Acq: 22 Sep 2020 17:13

Tgt Ion: 98 Resp: 908149

Ion Ratio Lower Upper

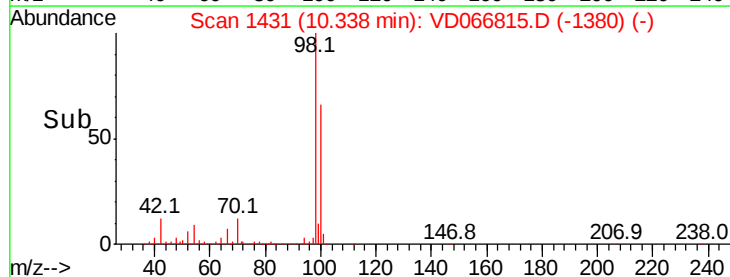
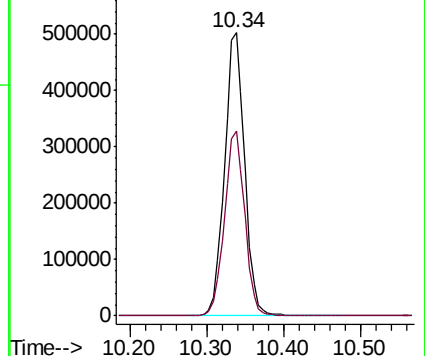
98 100

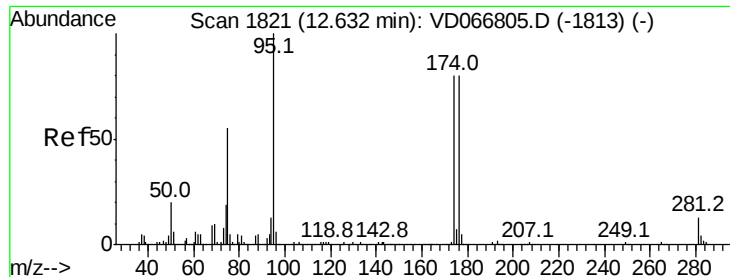
100 66.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

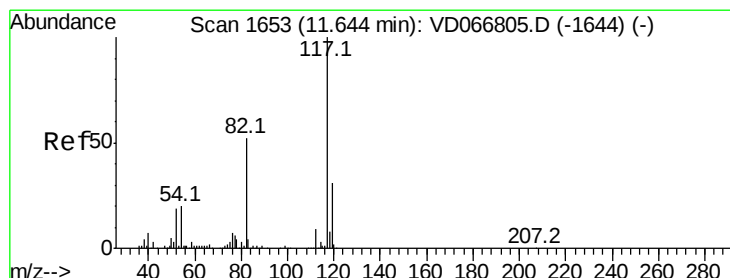
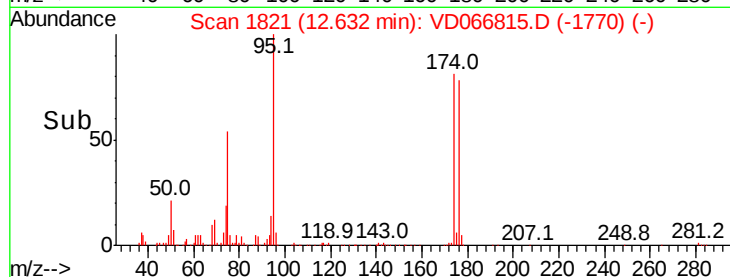
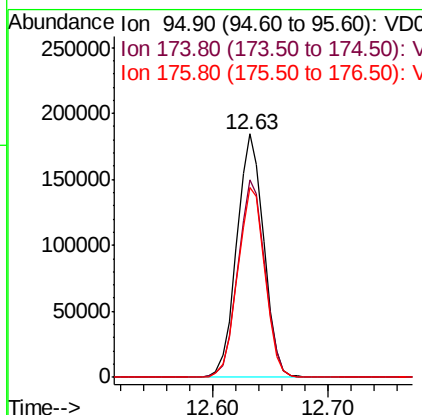
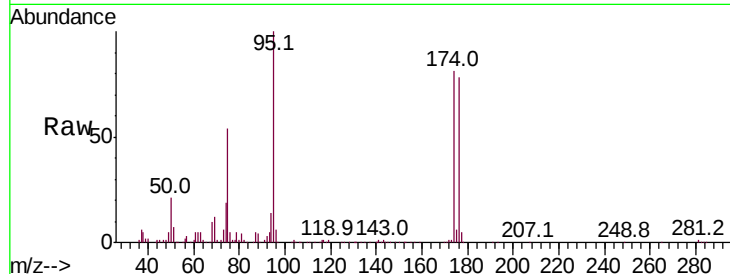




#62
4-Bromofluorobenzene
Concen: 54.248 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066815.D
Acq: 22 Sep 2020 17:13

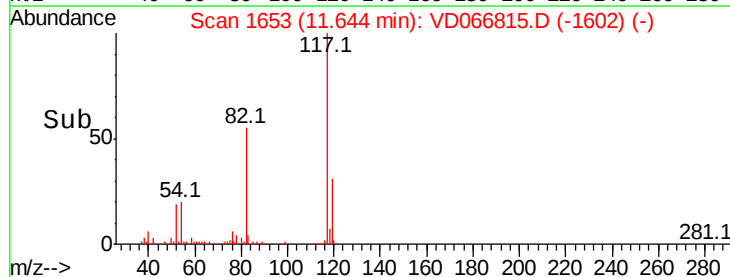
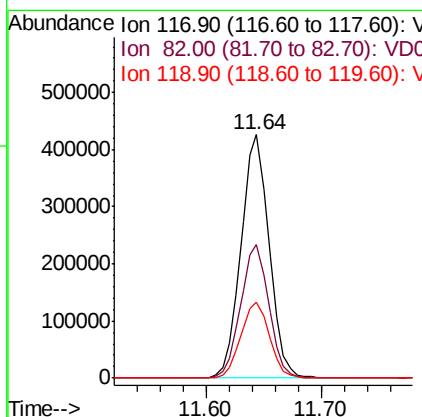
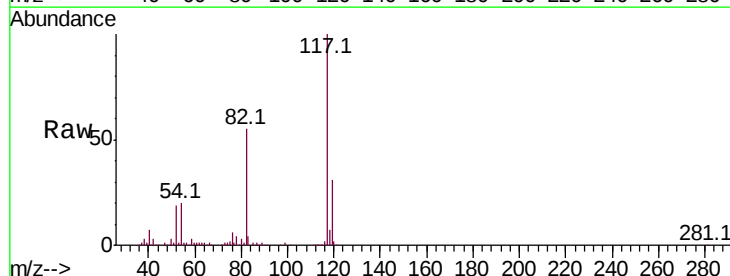
Instrument :
MSVOA_D
ClientSampleId :
BU-02-092120

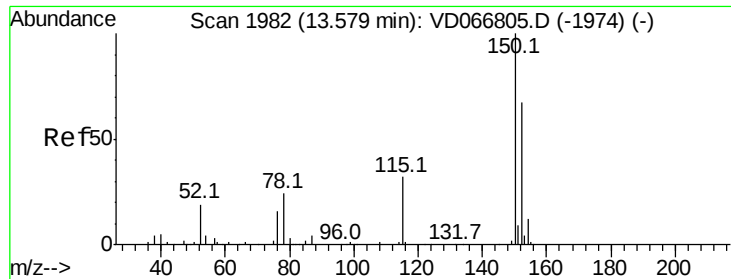
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	159.8
176	78.8	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066815.D
Acq: 22 Sep 2020 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.8	62.6
119	31.0	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: VD066815.D

Acq: 22 Sep 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

BU-02-092120

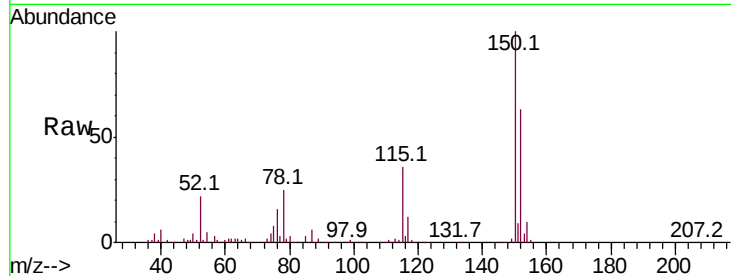
Tot Ion:152 Resp: 309662

Ion Ratio Lower Upper

152 100

115 59.7 30.3 91.0

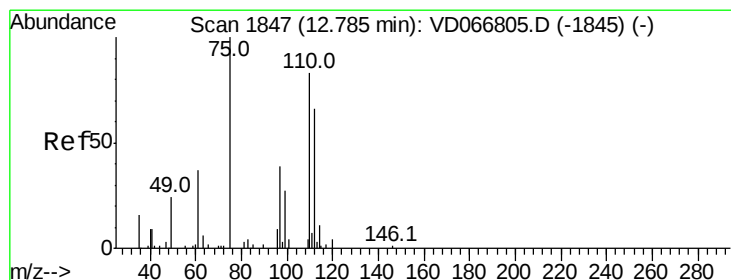
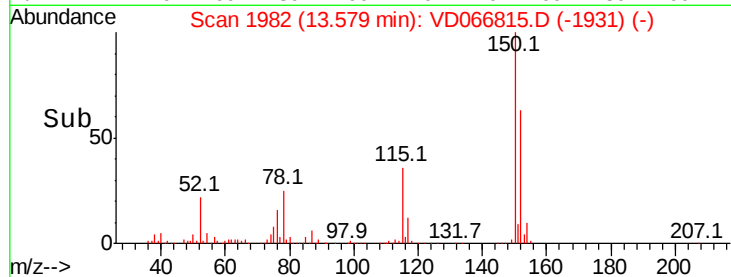
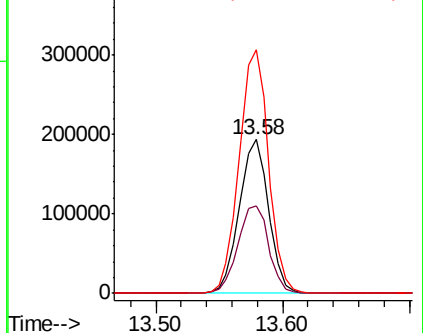
150 158.9 0.0 346.2



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: 61.845 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066815.D

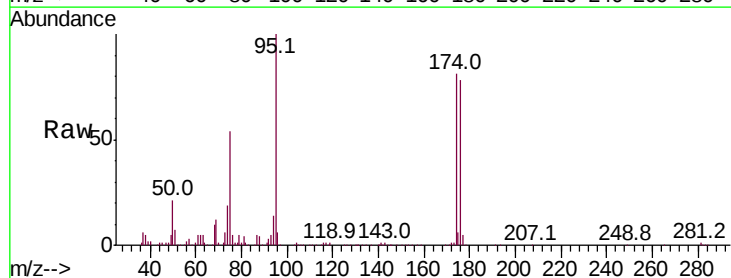
Acq: 22 Sep 2020 17:13

Tgt Ion: 75 Resp: 158709

Ion Ratio Lower Upper

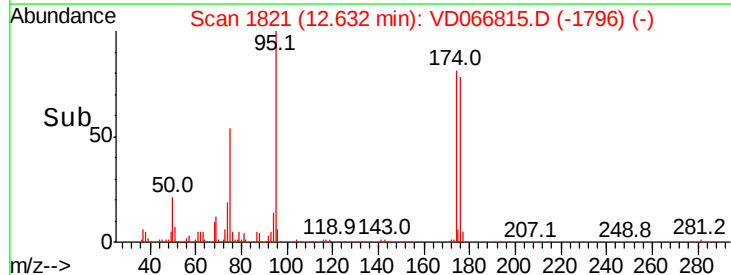
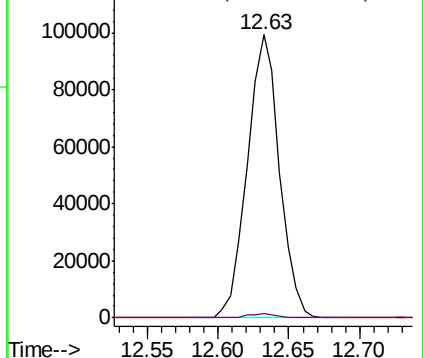
75 100

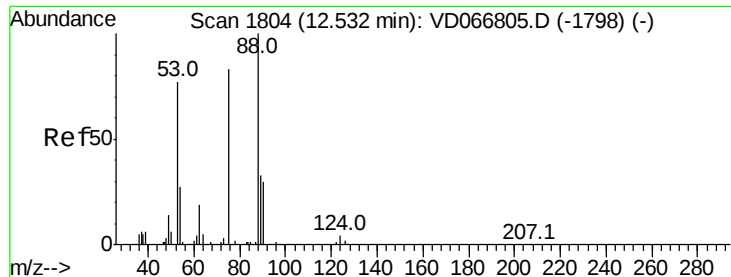
77 1.3 0.0 0.0#



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: 154.731 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066815.D

Acq: 22 Sep 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

BU-02-092120

Tot Ion: 75 Resp: 158709

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#

