

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066981.D
 Acq On : 30 Sep 2020 18:38
 Operator : VA/SY
 Sample : L4172-10
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(12-14)

Quant Time: Oct 01 00:57:22 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	504714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	854266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	851802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	415712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	241481	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	7.91	113	263682	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	10.34	98	1035793	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	
62) 4-Bromofluorobenzene	12.63	95	396603	62.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.12%	

Target Compounds

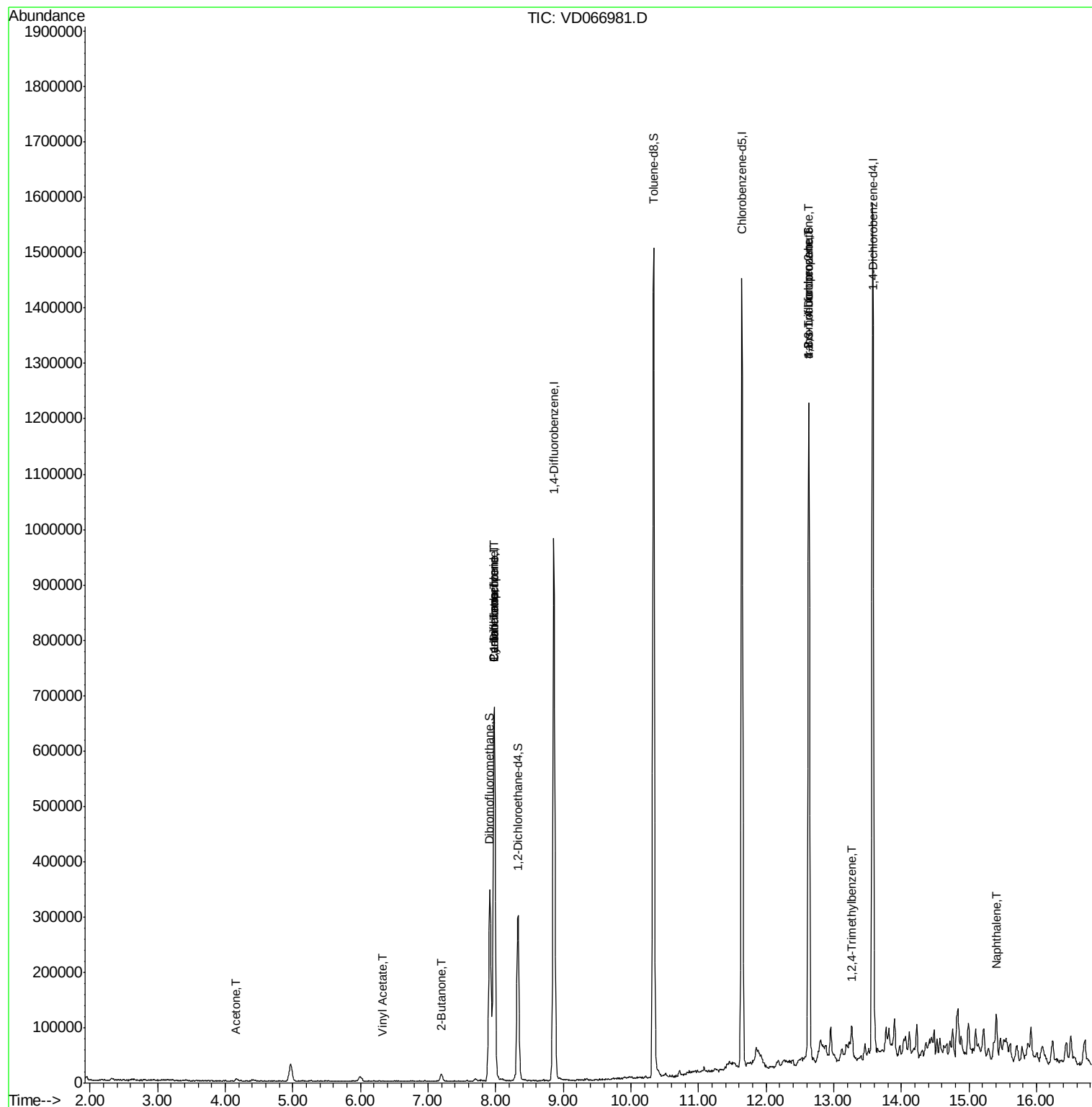
						Qvalue
2) Dichlorodifluoromethane	2.00	85	412	Below Cal	#	46
11) Tert butyl alcohol	5.20	59	155	Below Cal	#	72
16) Acetone	4.16	43	3200	3.054	ug/l	95
18) Methyl Acetate	4.72	43	86	Below Cal	#	50
20) Methylene Chloride	4.97	84	24114	Below Cal		95
23) Vinyl Acetate	6.33	43	76	2.681	ug/l #	71
25) 2-Butanone	7.21	43	1719	1.365	ug/l	97
31) Cyclohexane	7.98	56	10679	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38126	4.499	ug/l #	50
38) Carbon Tetrachloride	7.98	117	54362	5.867	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	197508	57.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	197508	143.435	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	25958	1.027	ug/l	95
95) Naphthalene	15.41	128	67987	5.358	ug/l	98

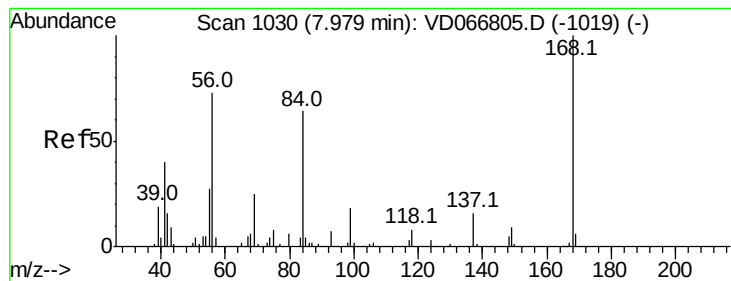
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066981.D

Acq: 30 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

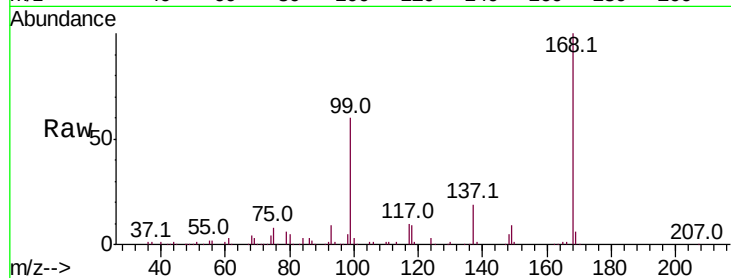
B-7(12-14)

Tot Ion:168 Resp: 504714

Ion Ratio Lower Upper

168 100

99 60.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

250000

200000

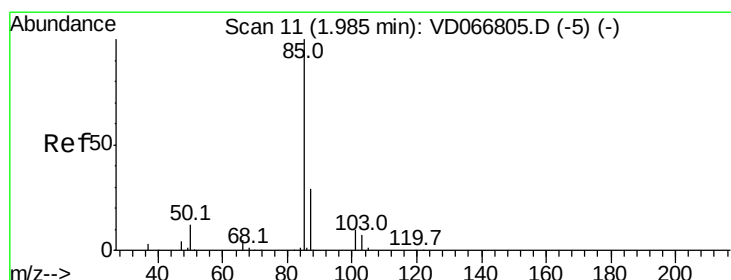
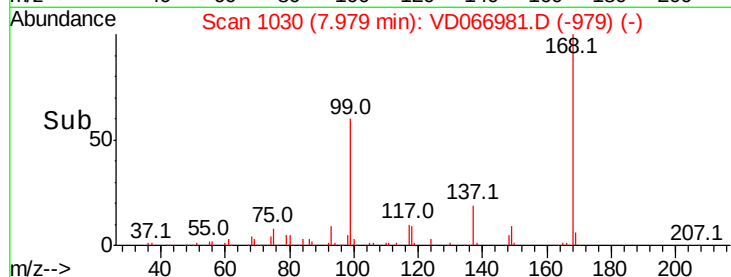
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066981.D

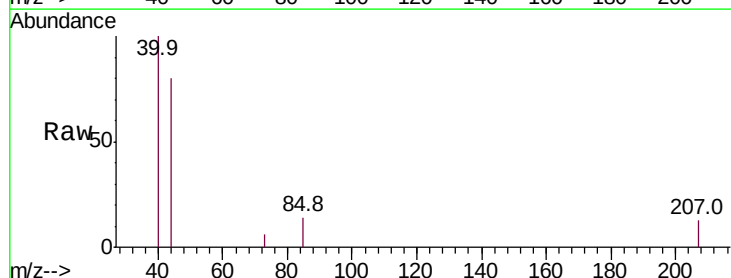
Acq: 30 Sep 2020 18:38

Tgt Ion: 85 Resp: 412

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

2.00

400

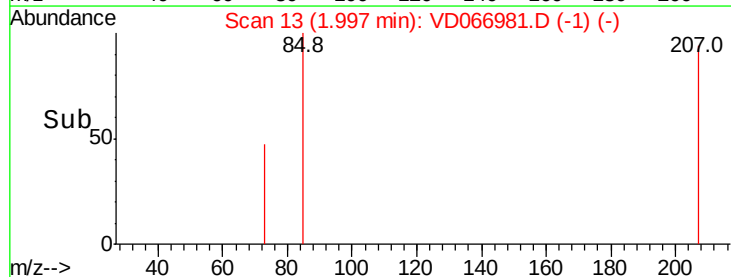
300

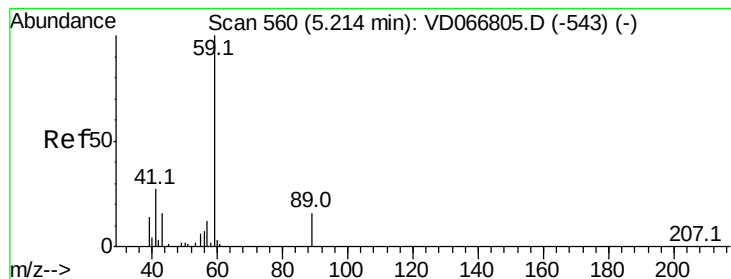
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066981.D

Acq: 30 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

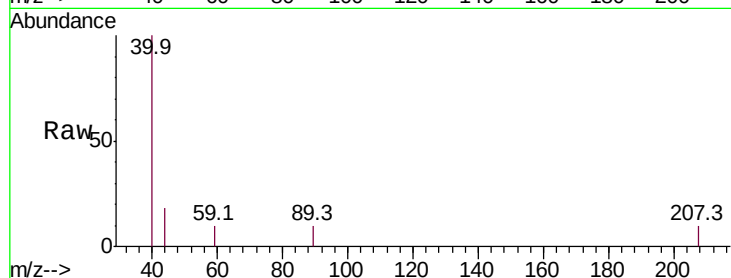
B-7(12-14)

Tot Ion: 59 Resp: 155

Ion Ratio Lower Upper

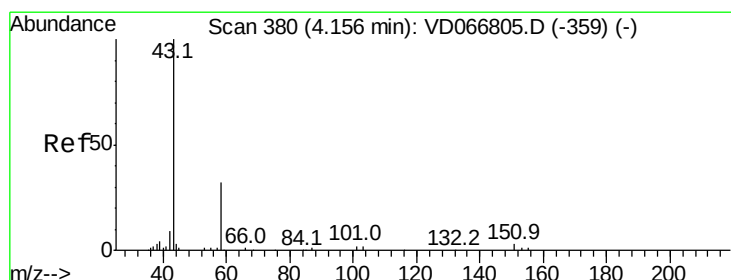
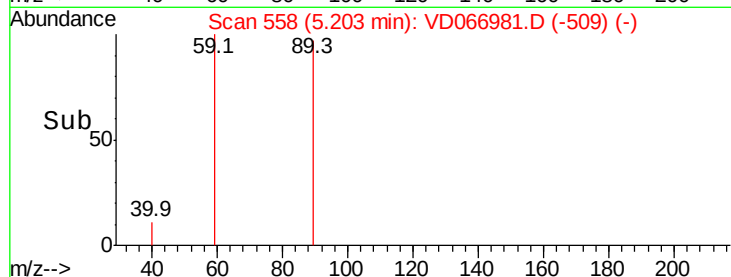
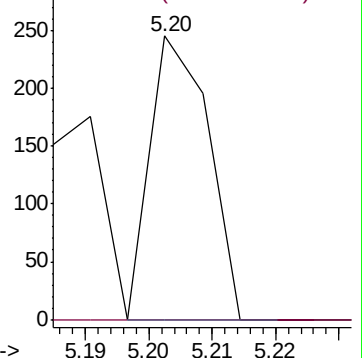
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#16

Acetone

Concen: 3.054 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066981.D

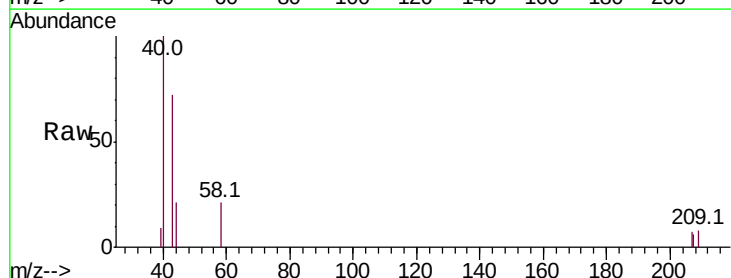
Acq: 30 Sep 2020 18:38

Tgt Ion: 43 Resp: 3200

Ion Ratio Lower Upper

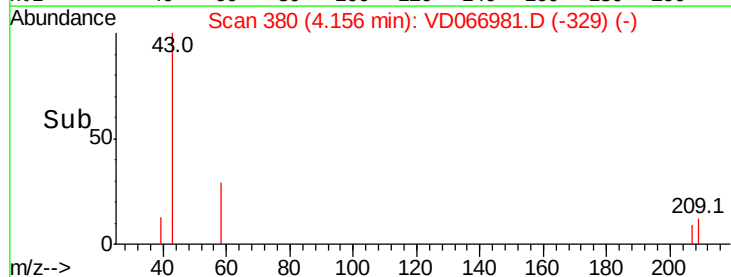
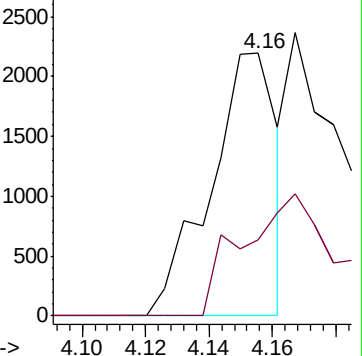
43 100

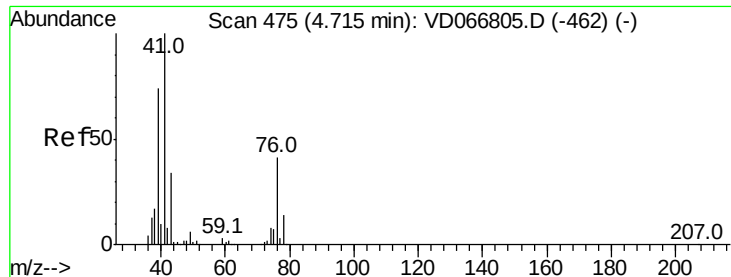
58 29.0 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

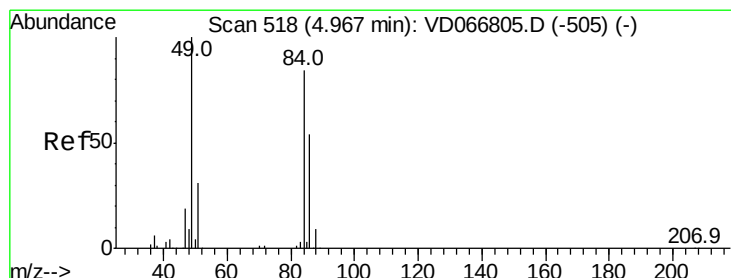
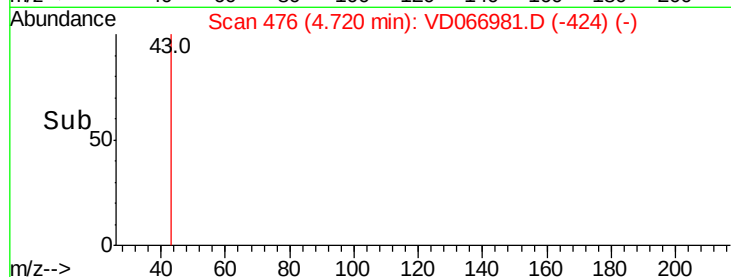
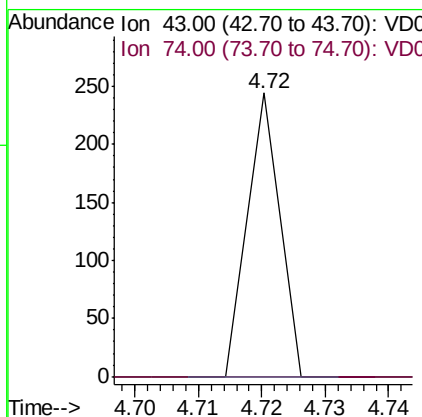
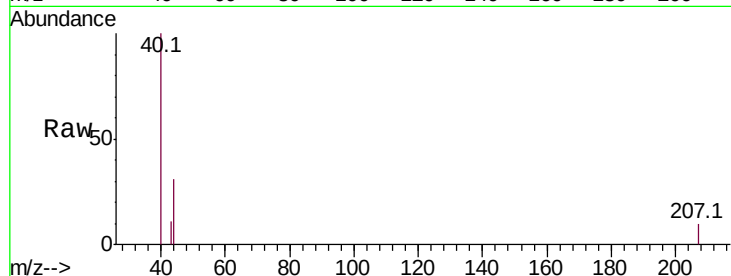




#18
Methyl Acetate
Concen: Below Cal
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

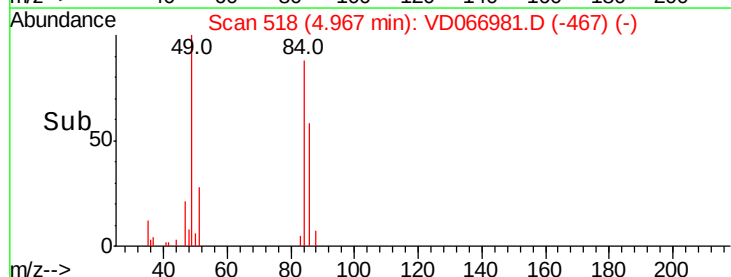
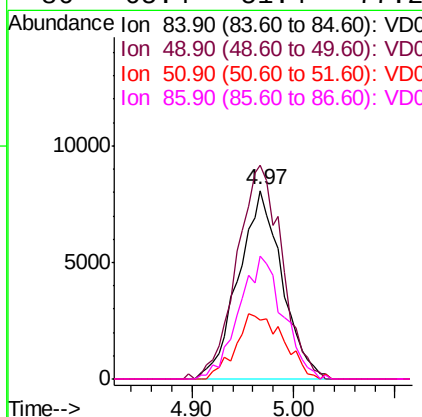
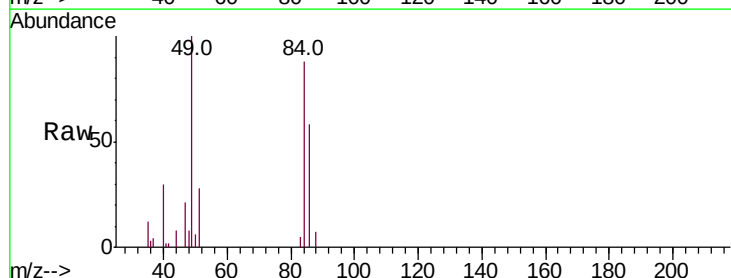
Instrument :
MSVOA_D
ClientSampled :
B-7(12-14)

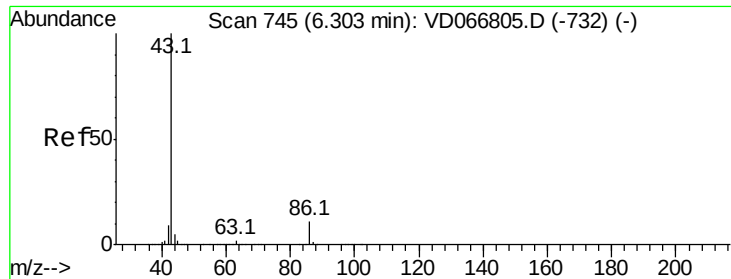
Tot Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

Tgt Ion: 84 Resp: 24114
Ion Ratio Lower Upper
84 100
49 113.2 95.4 143.2
51 31.2 29.7 44.5
86 65.4 51.4 77.2





#23

Vinyl Acetate

Concen: 2.681 ug/l

RT: 6.33 min Scan# 750

Delta R.T. 0.03 min

Lab File: VD066981.D

Acq: 30 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

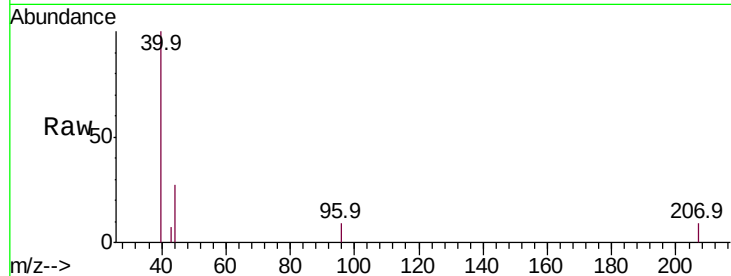
B-7(12-14)

Tot Ion: 43 Resp: 76

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

6.33

250

200

150

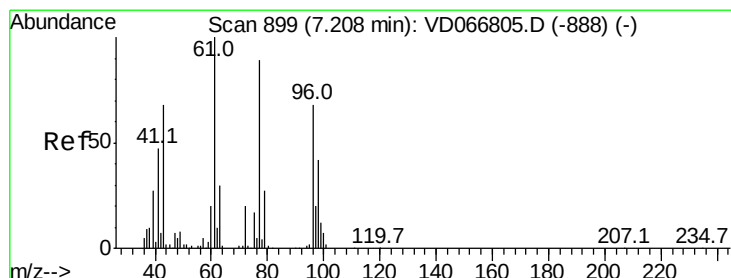
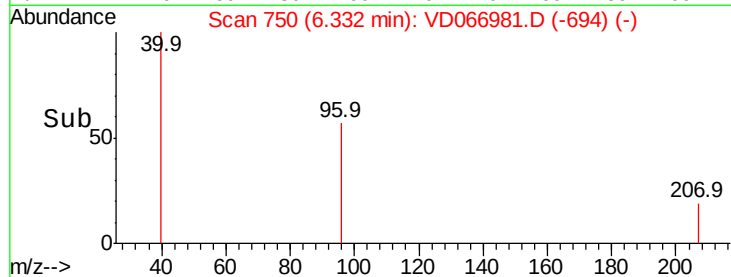
100

50

0

6.31 6.32 6.33 6.34 6.35

Time-->



#25

2-Butanone

Concen: 1.365 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066981.D

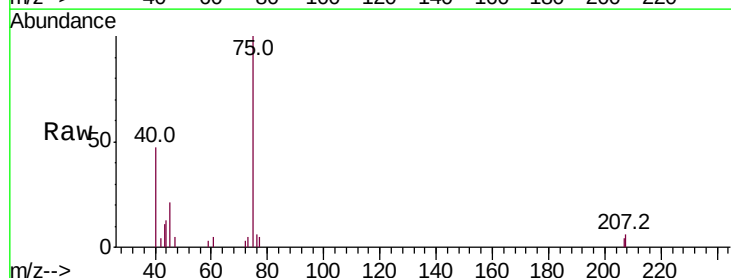
Acq: 30 Sep 2020 18:38

Tgt Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

72 30.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

600

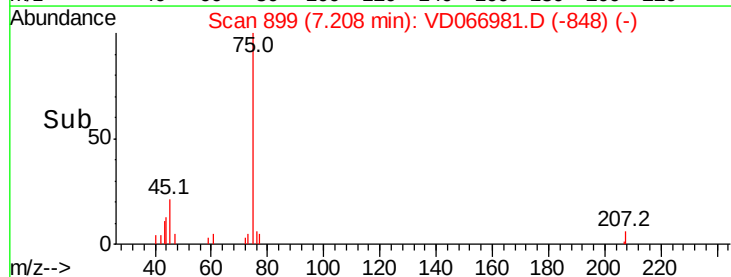
400

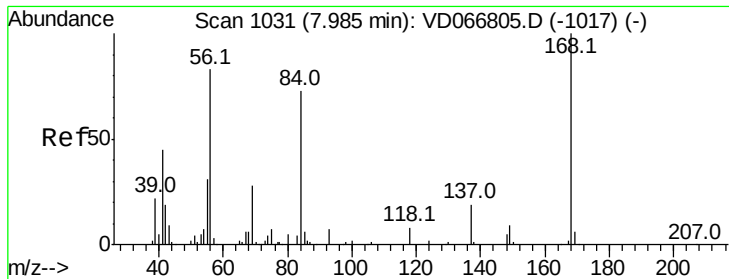
200

0

7.15 7.20 7.25

Time-->

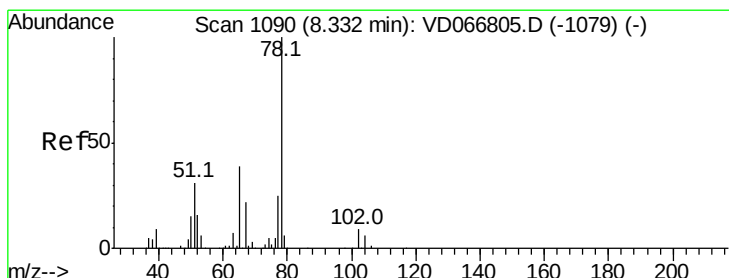
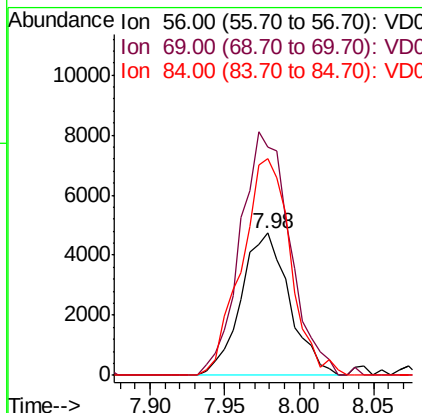
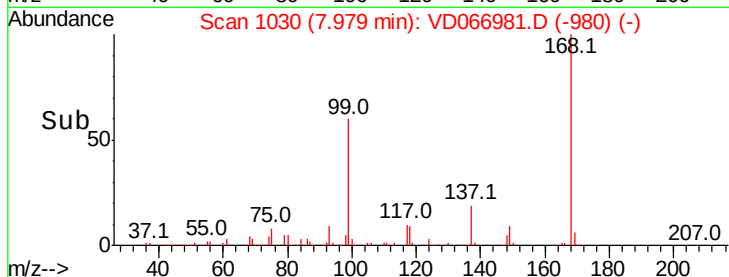
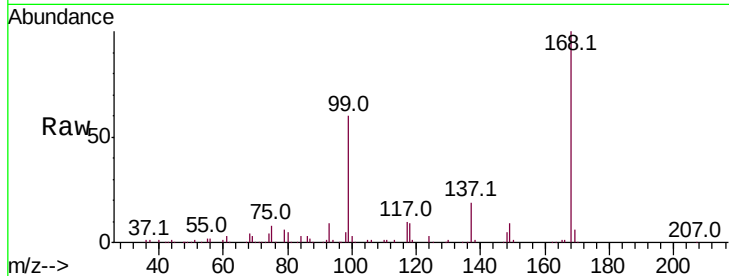




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

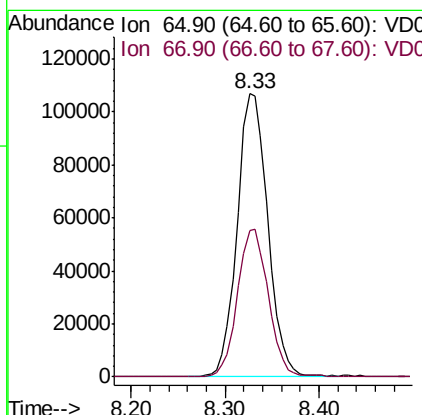
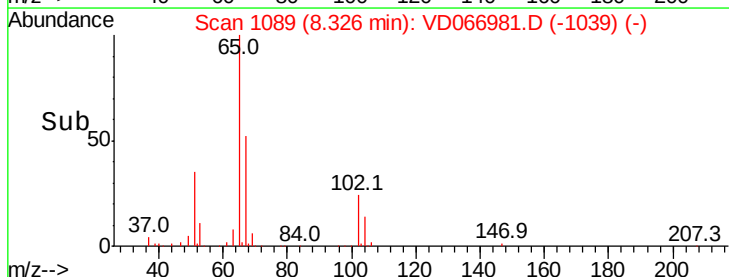
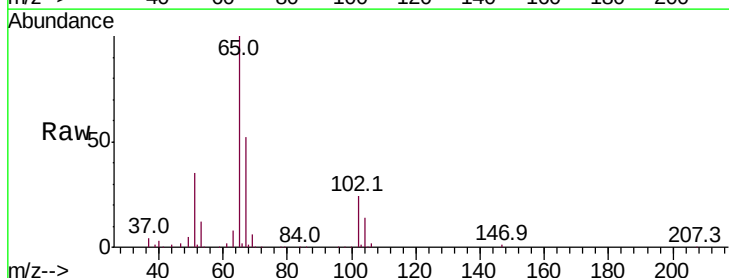
Instrument :
MSVOA_D
ClientSampleId :
B-7(12-14)

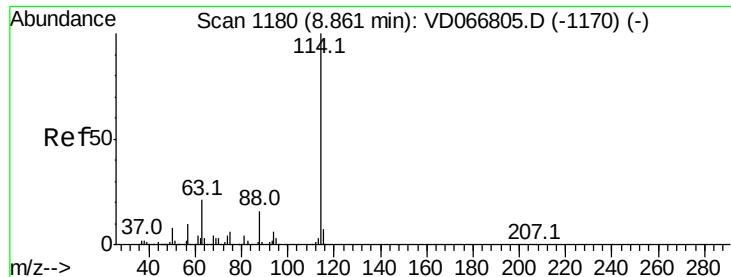
Tot Ion: 56 Resp: 10679
Ion Ratio Lower Upper
56 100
69 160.6 27.0 40.4#
84 152.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 48.883 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

Tgt Ion: 65 Resp: 241481
Ion Ratio Lower Upper
65 100
67 52.4 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: VD066981.D

Acq: 30 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

B-7(12-14)

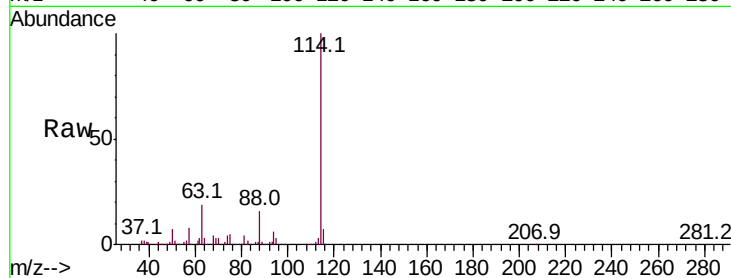
Tot Ion:114 Resp: 854266

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.6

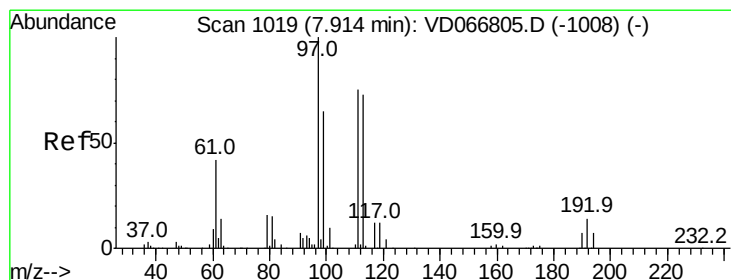
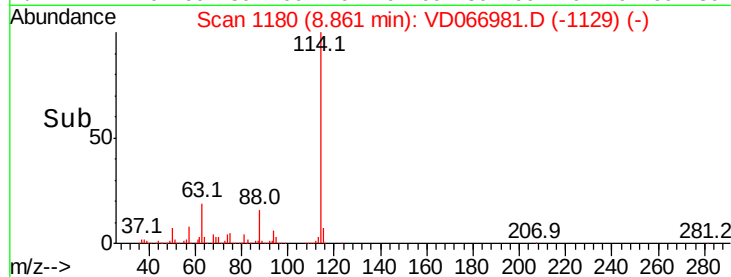
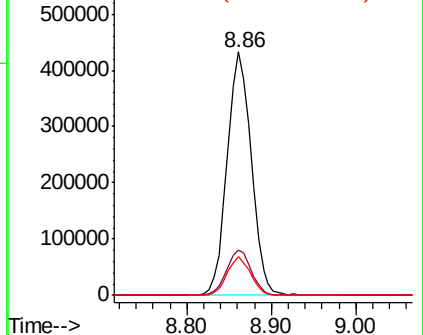
88 15.8 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.517 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066981.D

Acq: 30 Sep 2020 18:38

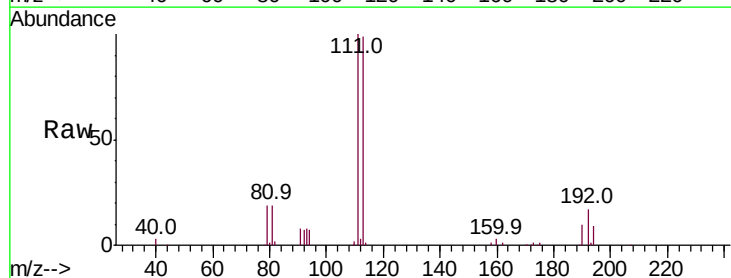
Tgt Ion:113 Resp: 263682

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

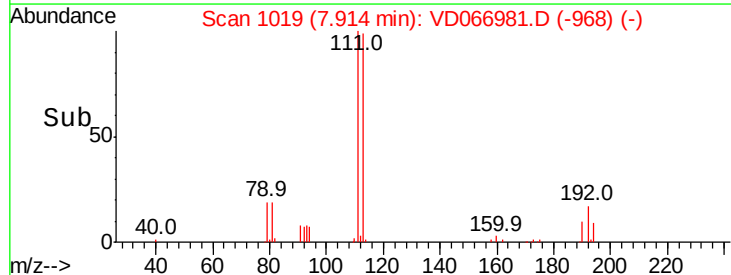
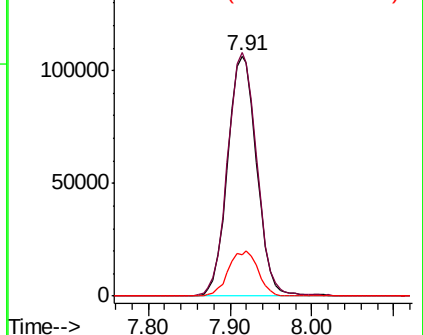
192 19.0 14.4 21.6

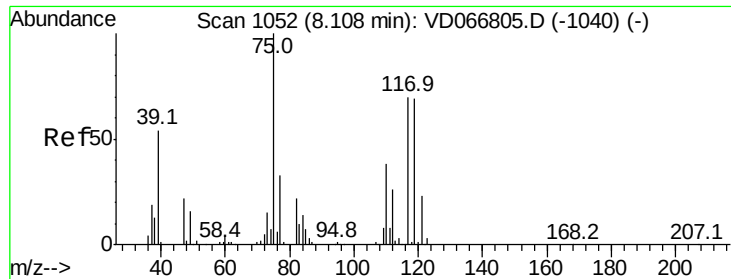


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066981.D

Acq: 30 Sep 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

B-7(12-14)

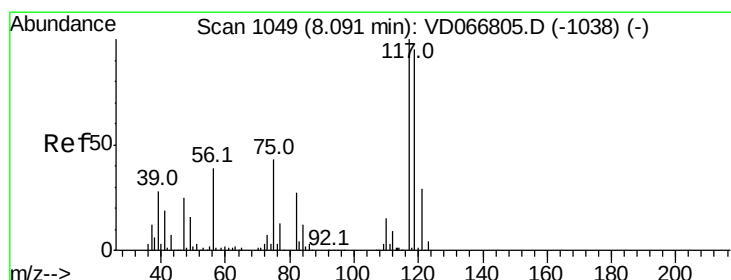
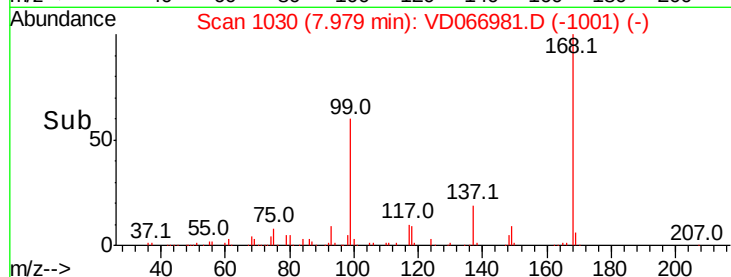
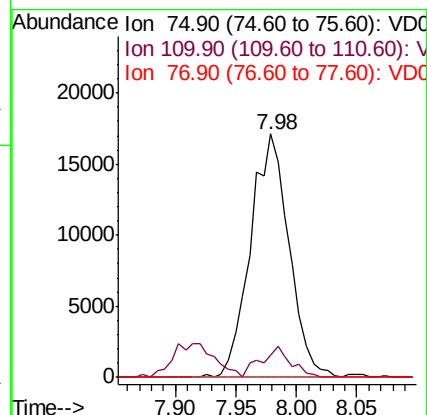
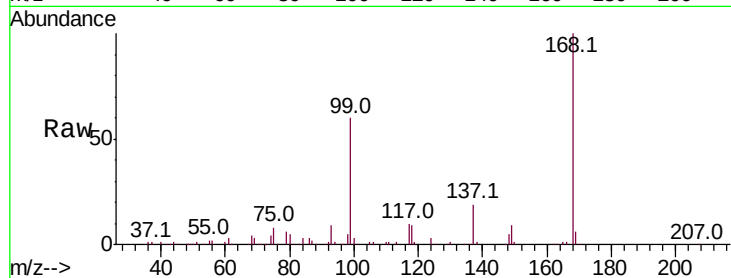
Tot Ion: 75 Resp: 38126

Ion Ratio Lower Upper

75 100

110 9.9 17.9 53.8#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.867 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066981.D

Acq: 30 Sep 2020 18:38

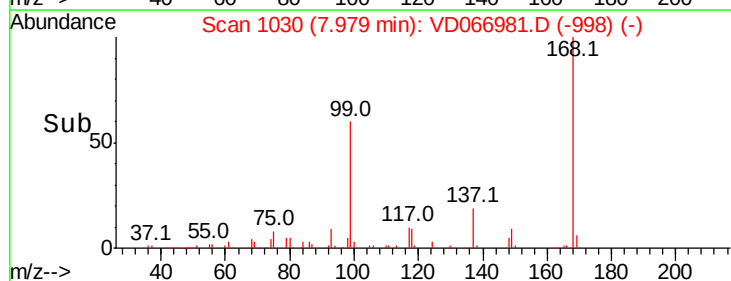
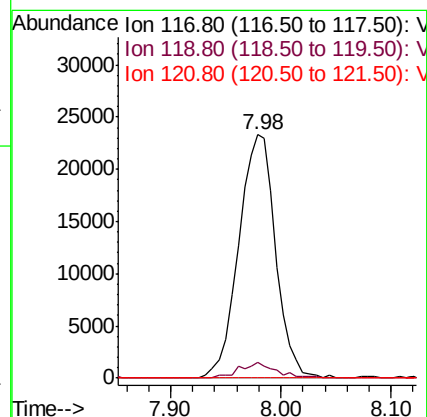
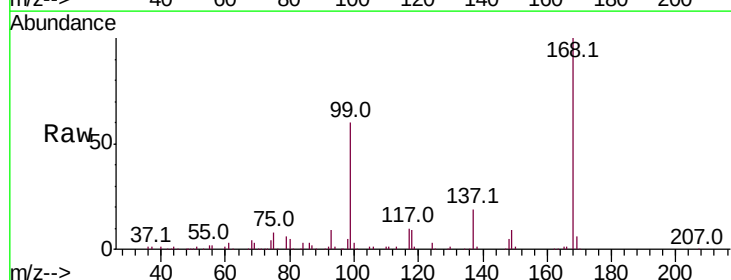
Tgt Ion: 117 Resp: 54362

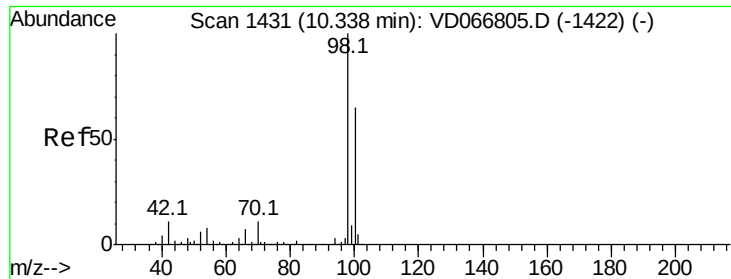
Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.8#

121 0.0 23.4 35.0#

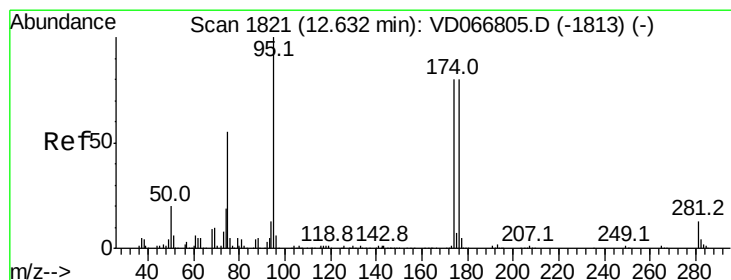
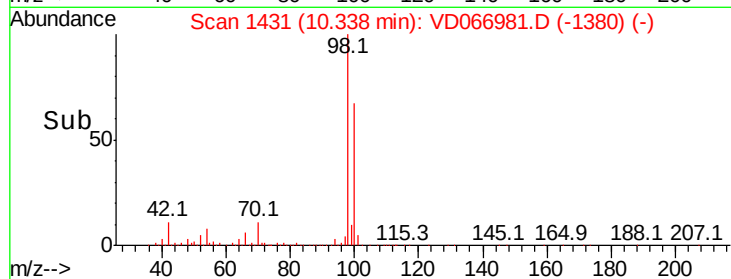
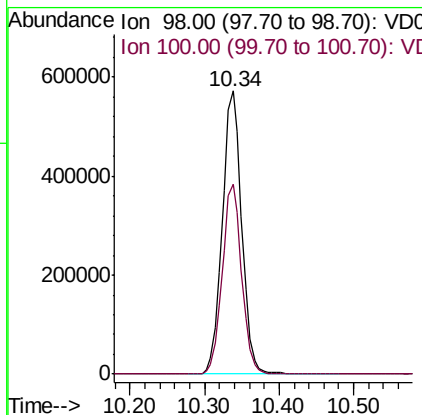
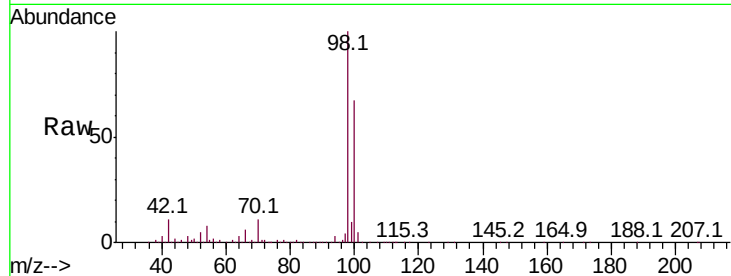




#50
Toluene-d8
Concen: 55.936 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

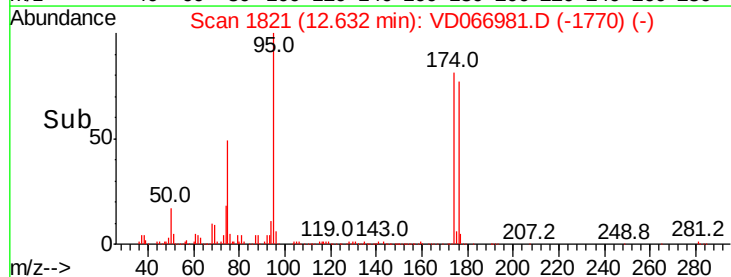
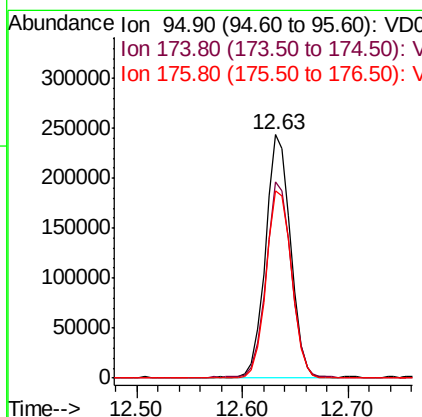
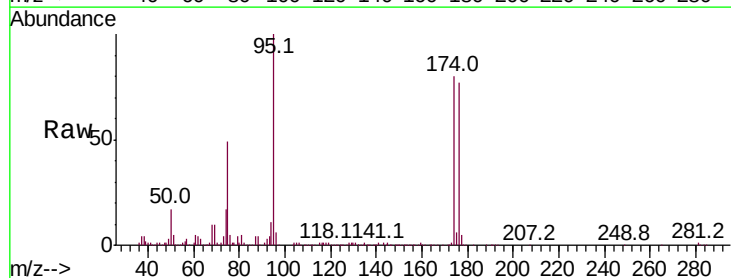
Instrument :
MSVOA_D
ClientSampleId :
B-7(12-14)

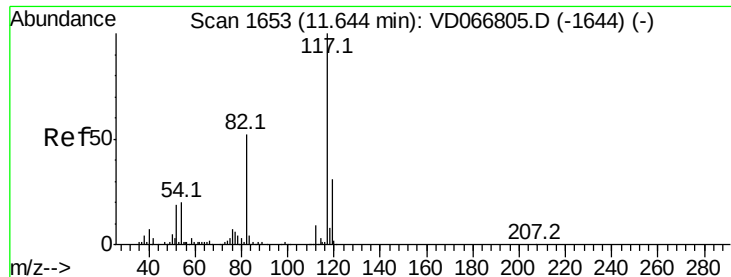
Tot Ion: 98 Resp: 1035793
Ion Ratio Lower Upper
98 100
100 67.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 62.564 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

Tgt Ion: 95 Resp: 396603
Ion Ratio Lower Upper
95 100
174 81.6 0.0 159.8
176 78.8 0.0 154.4

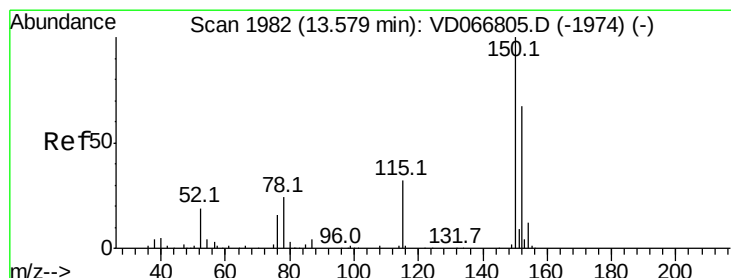
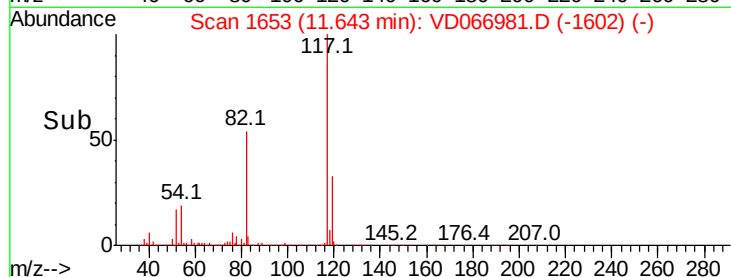
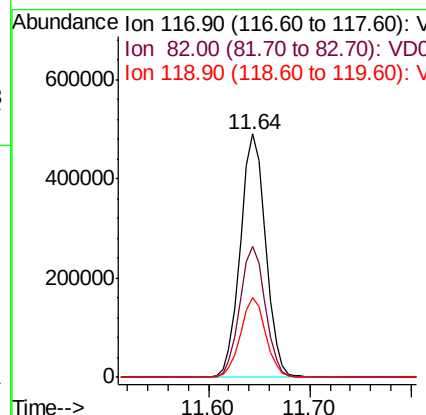
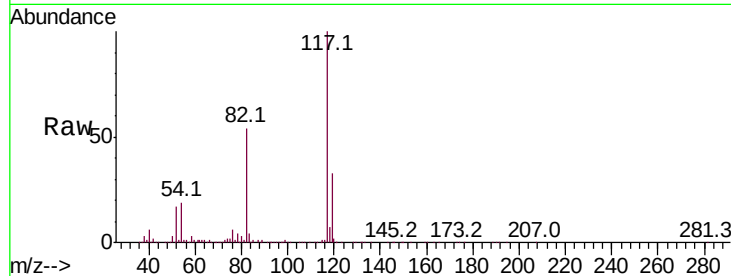




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

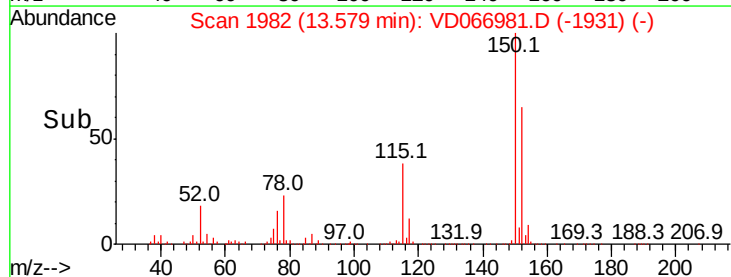
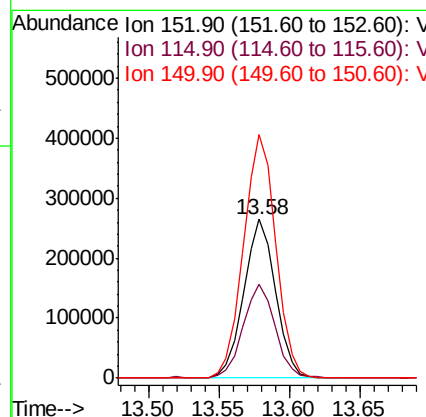
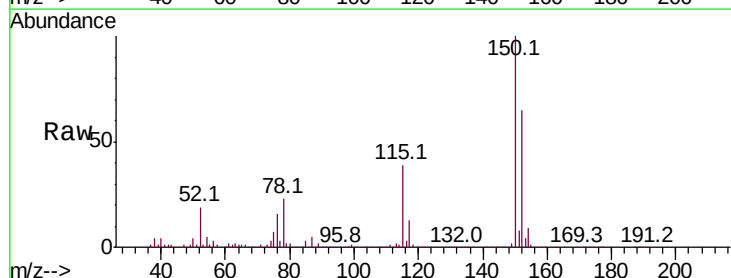
Instrument :
MSVOA_D
ClientSampleId :
B-7(12-14)

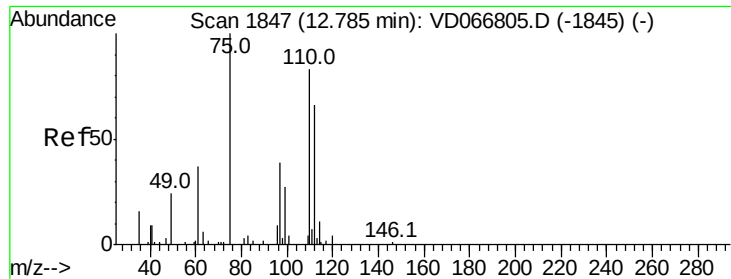
Tot Ion:117 Resp: 851802
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.6
119 32.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066981.D
Acq: 30 Sep 2020 18:38

Tgt Ion:152 Resp: 415712
Ion Ratio Lower Upper
152 100
115 59.5 30.3 91.0
150 156.1 0.0 346.2

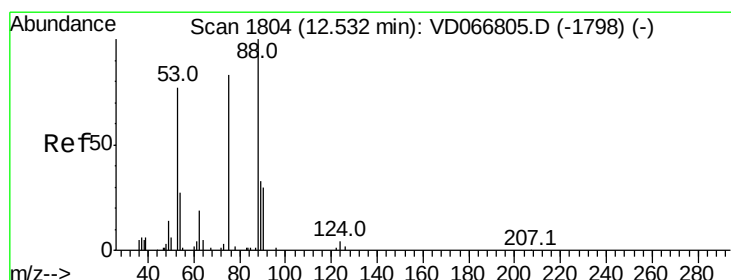
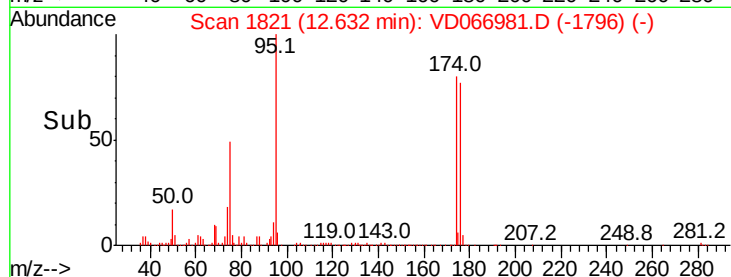
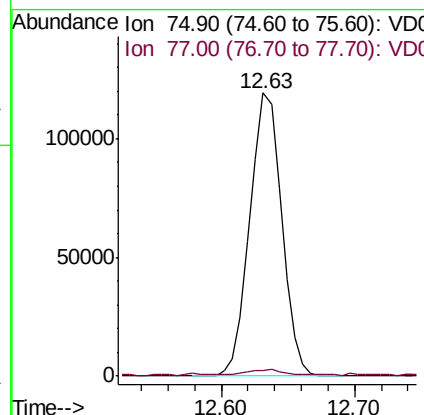
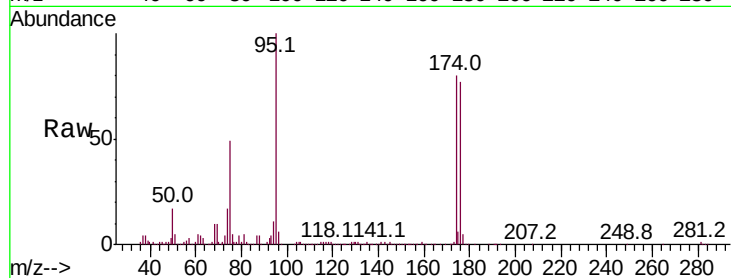




#76
 1,2,3-Trichloropropane
 Concen: 57.330 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066981.D
 Acq: 30 Sep 2020 18:38

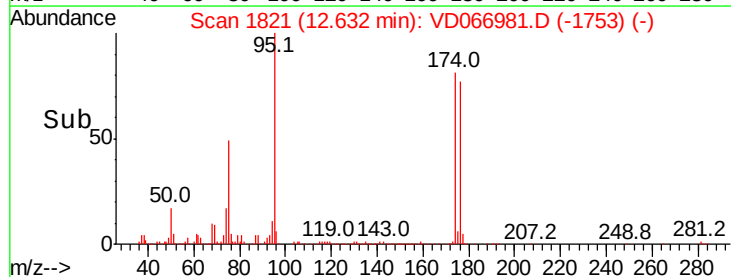
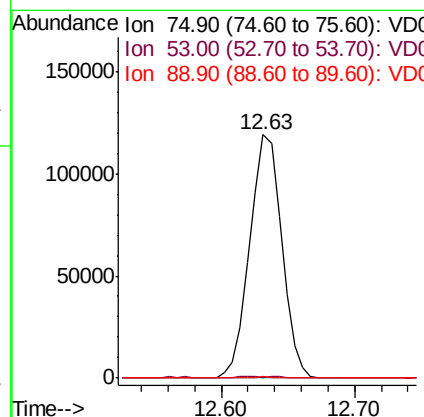
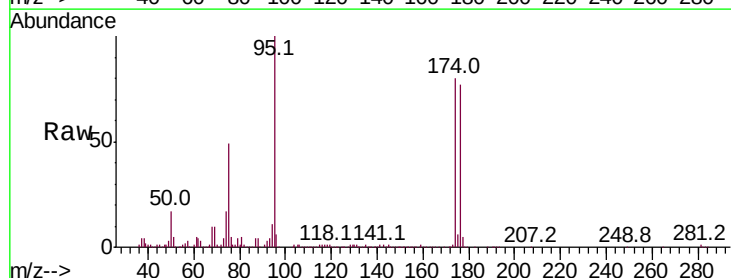
Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(12-14)

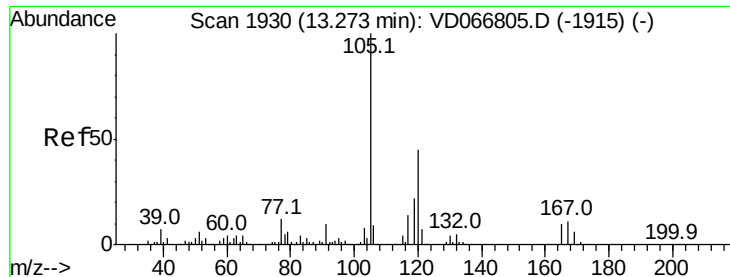
Tot Ion: 75 Resp: 197508
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.435 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066981.D
 Acq: 30 Sep 2020 18:38

Tgt Ion: 75 Resp: 197508
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.4 38.1 57.1#

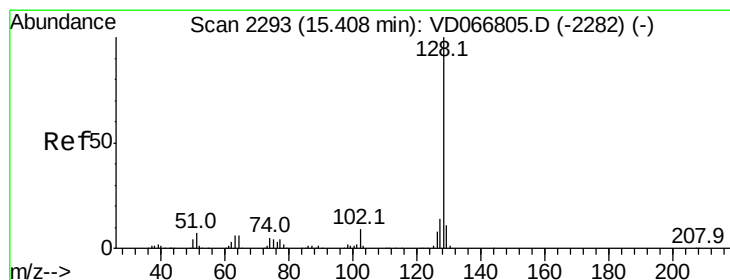
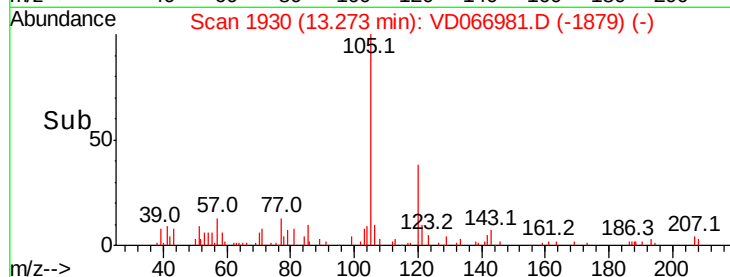
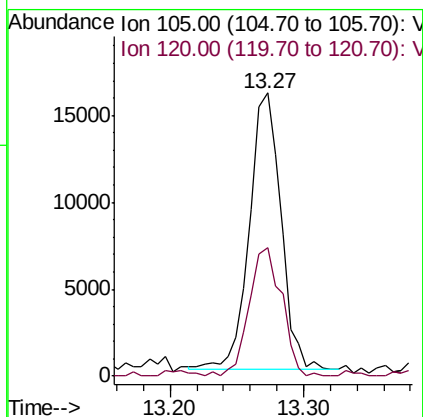
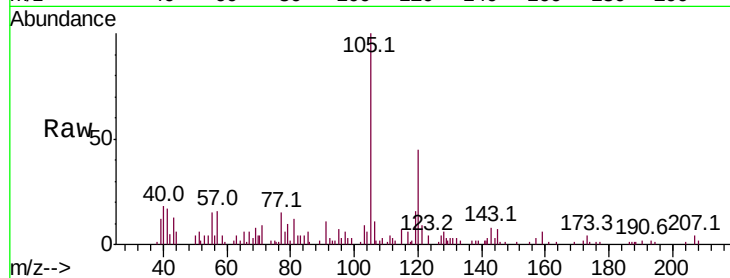




#84
 1,2,4-Trimethylbenzene
 Concen: 1.027 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066981.D
 Acq: 30 Sep 2020 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(12-14)

Tot Ion:105 Resp: 25958
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.3 66.9



#95
 Naphthalene
 Concen: 5.358 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VD066981.D
 Acq: 30 Sep 2020 18:38

Tgt Ion:128 Resp: 67987
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.6 16.0
 129 12.1 8.9 13.3

