

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066895.D
 Acq On : 26 Sep 2020 02:39
 Operator : VA/SY
 Sample : L4154-05
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(5-7)

Quant Time: Sep 26 06:39:49 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	535052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	904316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	933591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	452110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	244632	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.91	113	218287	37.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.88%	
50) Toluene-d8	10.34	98	1088816	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.63	95	426531	63.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.12%	

Target Compounds

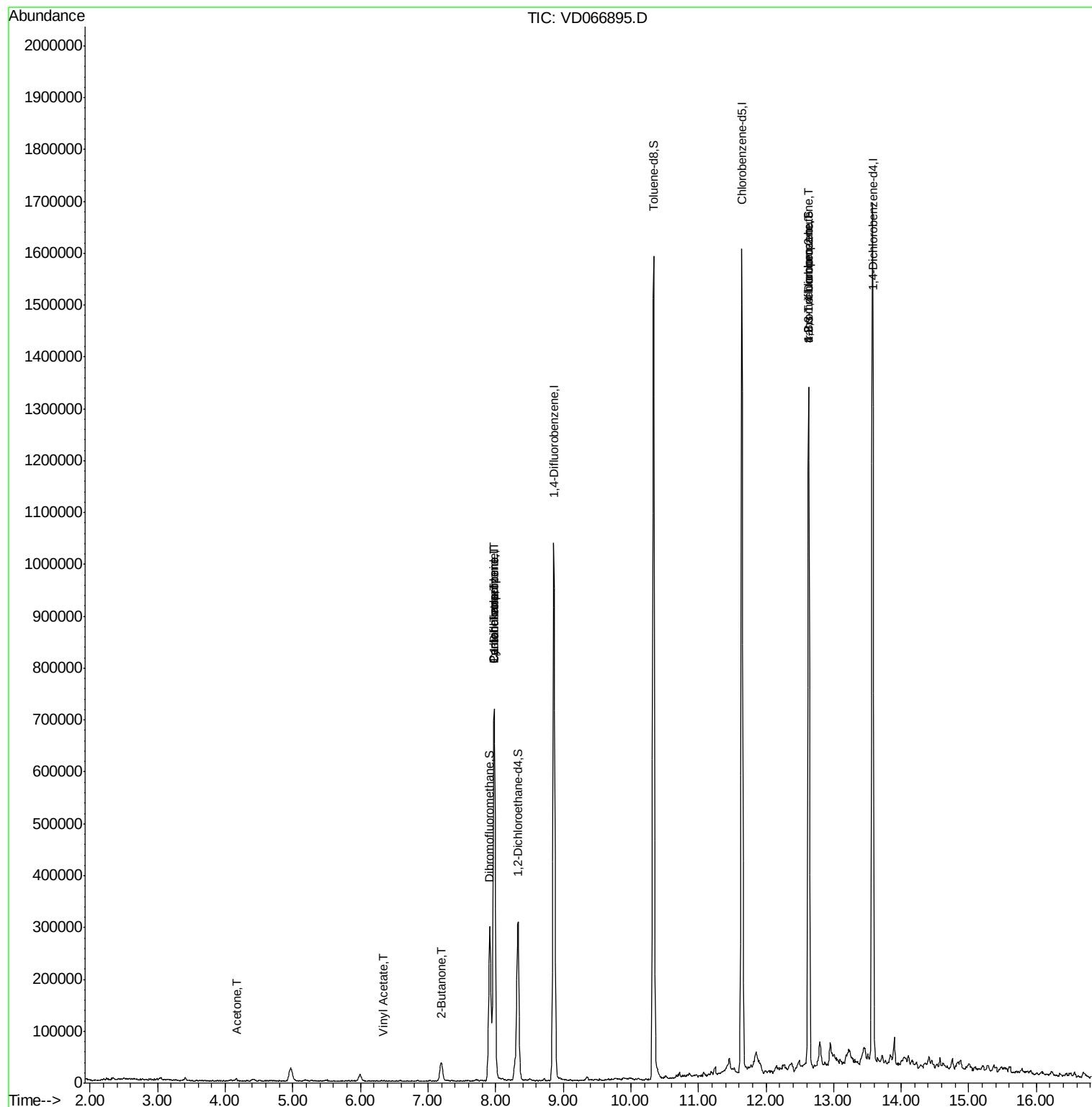
						Qvalue
2) Dichlorodifluoromethane	1.98	85	934	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	1311	Below Cal	#	72
16) Acetone	4.16	43	5979	5.382	ug/l	93
18) Methyl Acetate	4.59	43	56	Below Cal	#	50
20) Methylene Chloride	4.97	84	20311	Below Cal	#	94
23) Vinyl Acetate	6.34	43	73	2.680	ug/l #	71
25) 2-Butanone	7.20	43	3272	2.451	ug/l #	77
31) Cyclohexane	7.97	56	12557	1.319	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	42725	4.762	ug/l #	50
38) Carbon Tetrachloride	7.97	117	55936	5.703	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	220874	58.951	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	220874	147.491	ug/l #	10

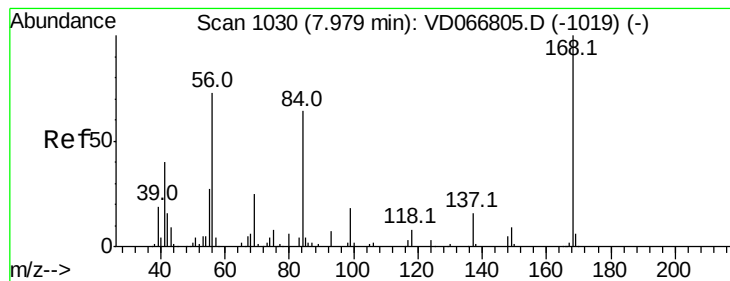
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

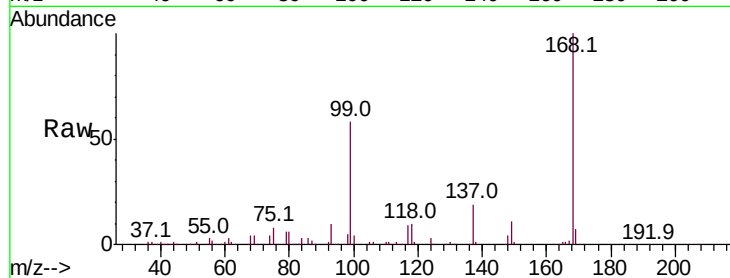
B-4(5-7)

Tot Ion:168 Resp: 535052

Ion Ratio Lower Upper

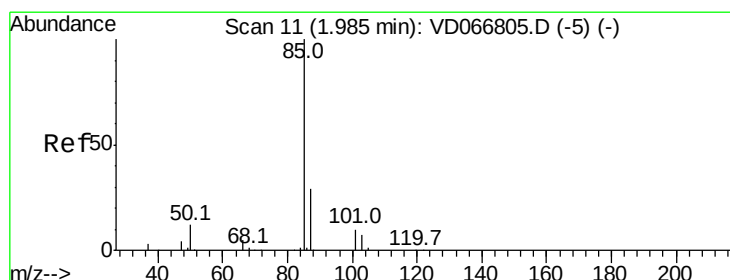
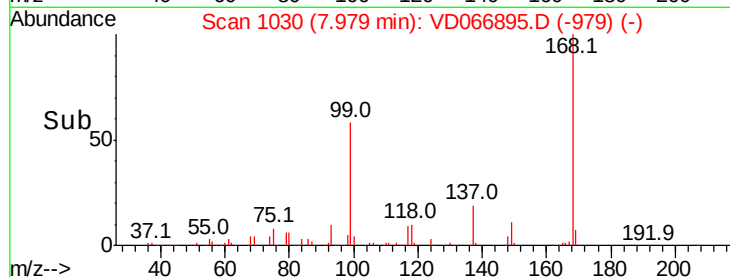
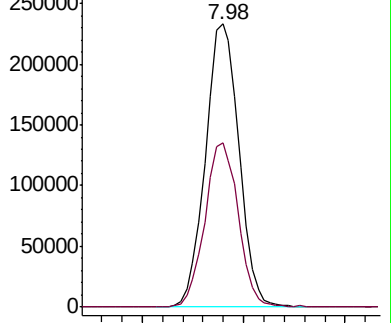
168 100

99 58.1 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: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066895.D

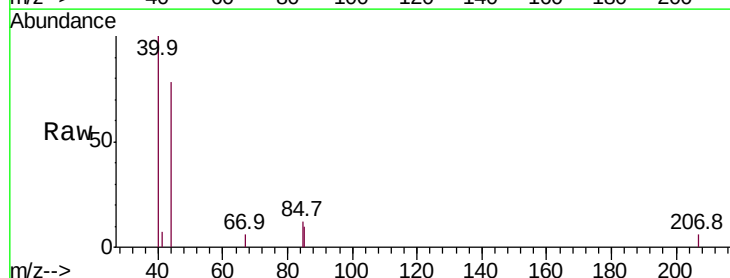
Acq: 26 Sep 2020 02:39

Tgt Ion: 85 Resp: 934

Ion Ratio Lower Upper

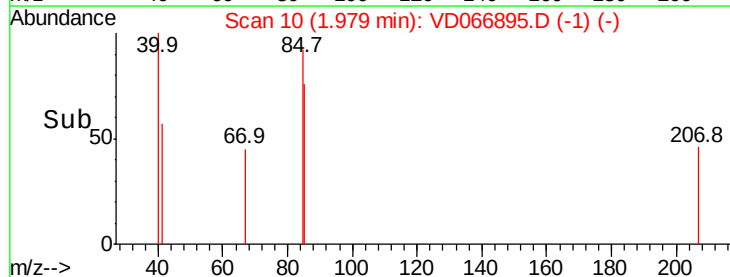
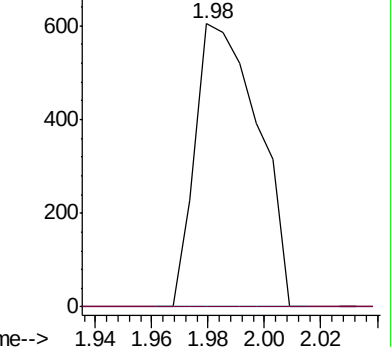
85 100

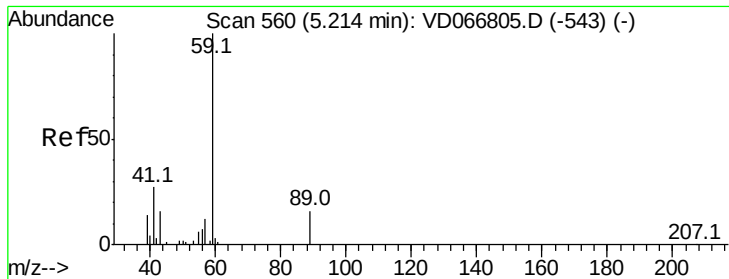
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

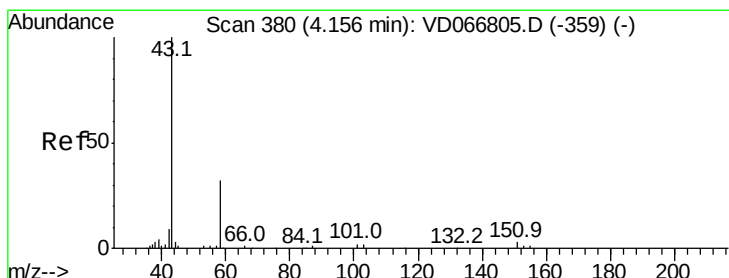
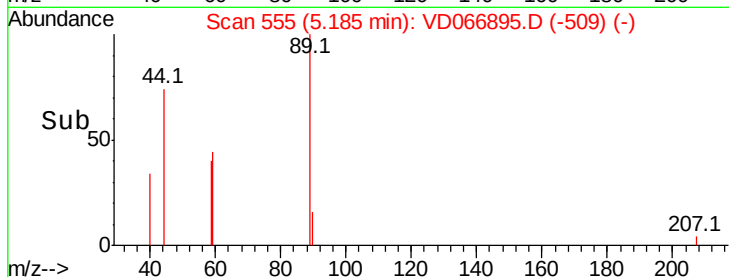
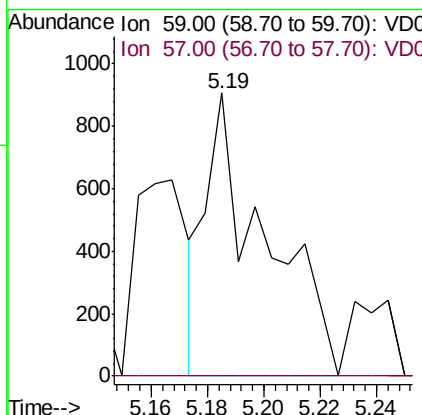
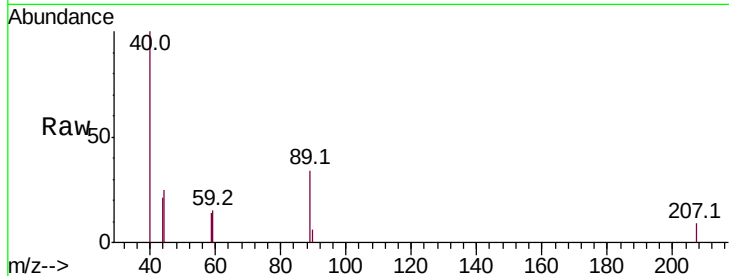




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 555
Delta R.T. -0.03 min
Lab File: VD066895.D
Acq: 26 Sep 2020 02:39

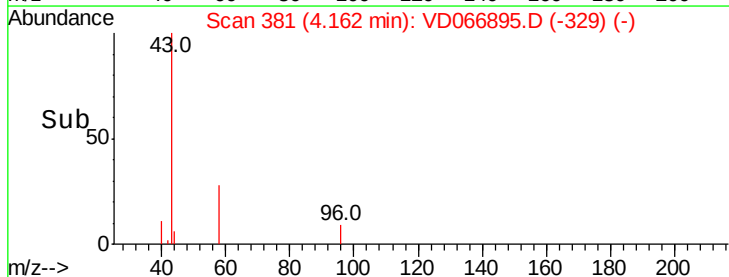
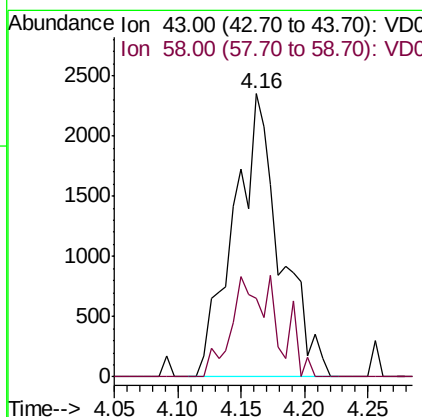
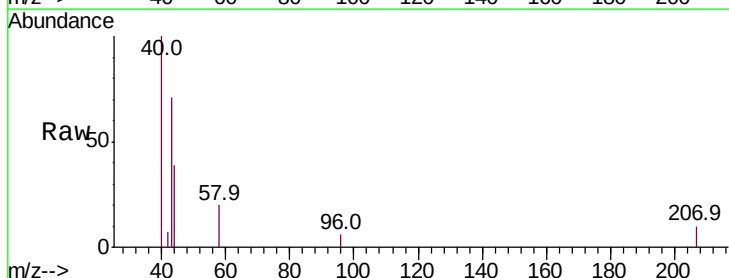
Instrument :
MSVOA_D
ClientSampleId :
B-4(5-7)

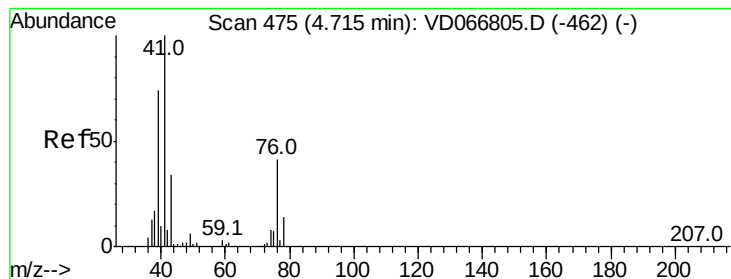
Tot Ion: 59 Resp: 1311
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.382 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066895.D
Acq: 26 Sep 2020 02:39

Tgt Ion: 43 Resp: 5979
Ion Ratio Lower Upper
43 100
58 27.9 25.6 38.4





#18

Methyl Acetate

Concen: Below Cal

RT: 4.59 min Scan# 453

Delta R.T. -0.13 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

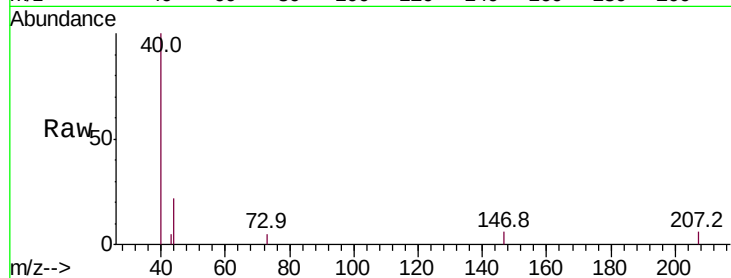
B-4(5-7)

Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

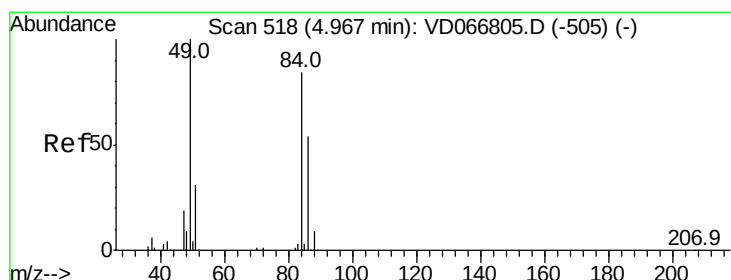
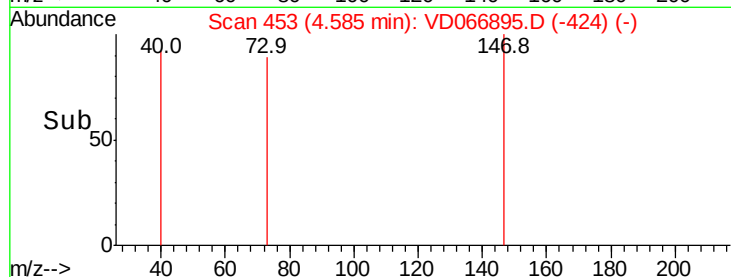
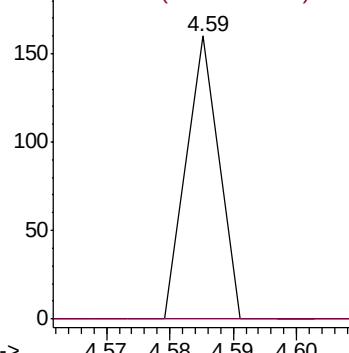
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

Tgt Ion: 84 Resp: 20311

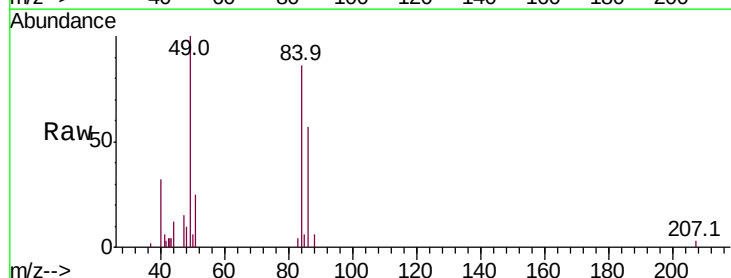
Ion Ratio Lower Upper

84 100

49 113.8 95.4 143.2

51 28.9 29.7 44.5#

86 66.7 51.4 77.2

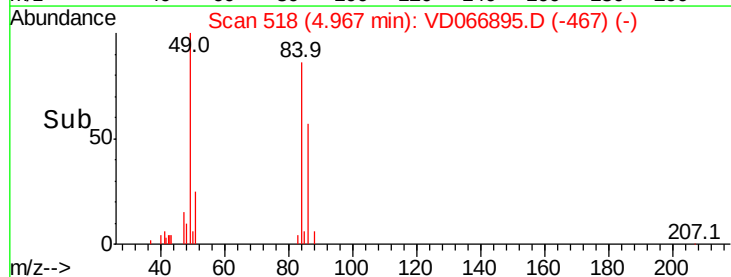
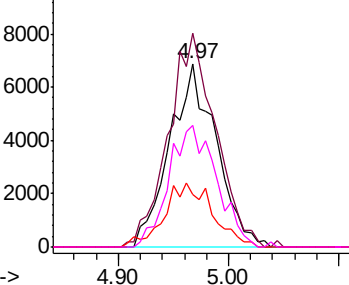


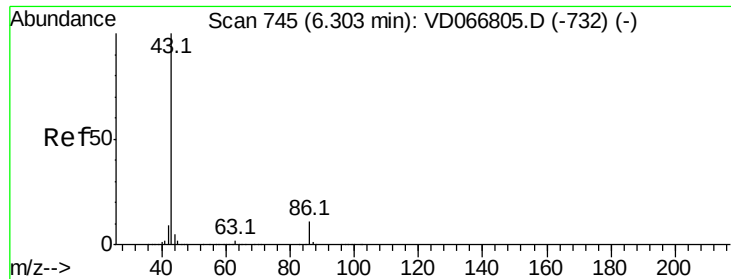
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.04 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

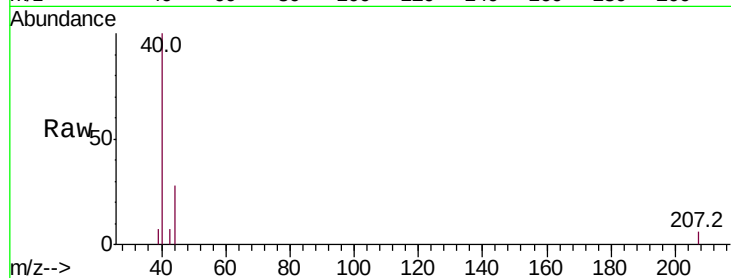
B-4(5-7)

Tot Ion: 43 Resp: 73

Ion Ratio Lower Upper

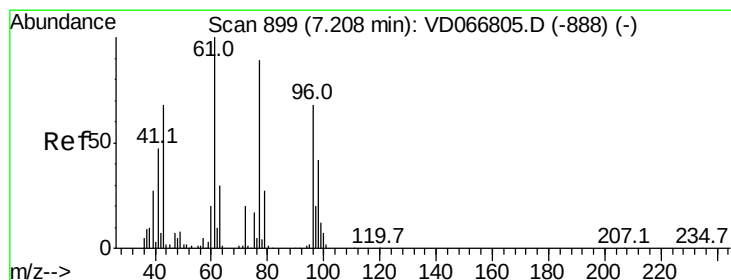
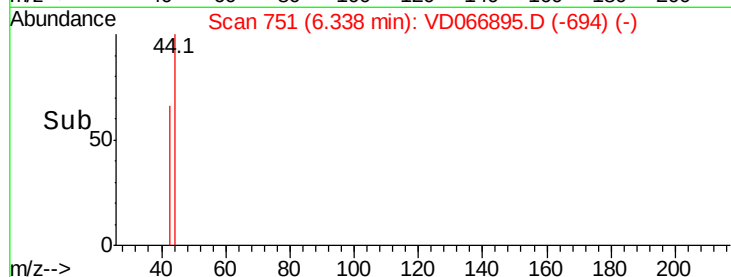
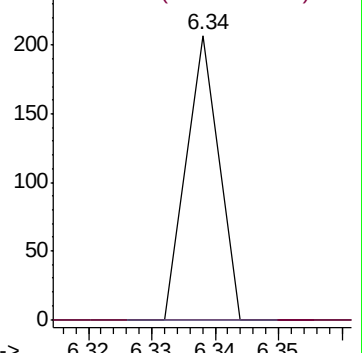
43 100

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



#25

2-Butanone

Concen: 2.451 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066895.D

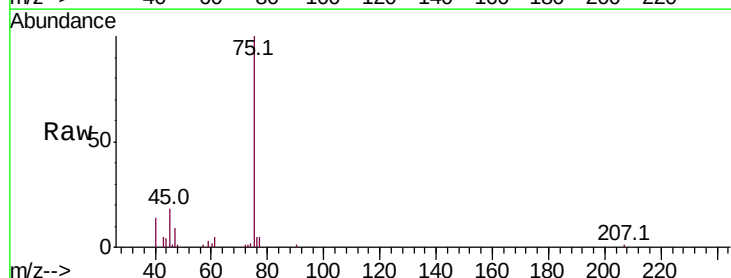
Acq: 26 Sep 2020 02:39

Tgt Ion: 43 Resp: 3272

Ion Ratio Lower Upper

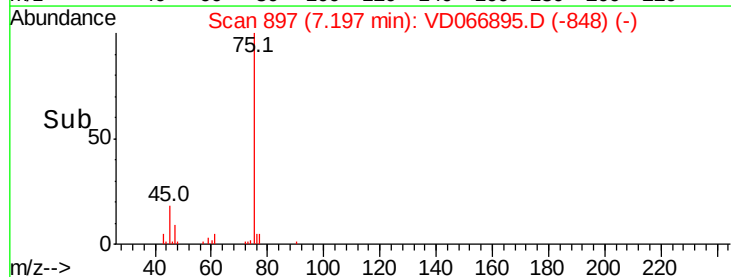
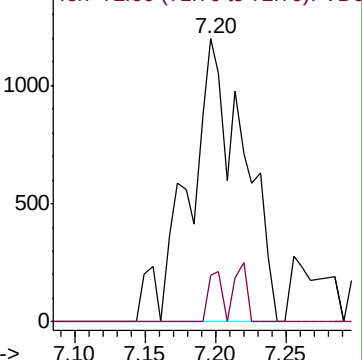
43 100

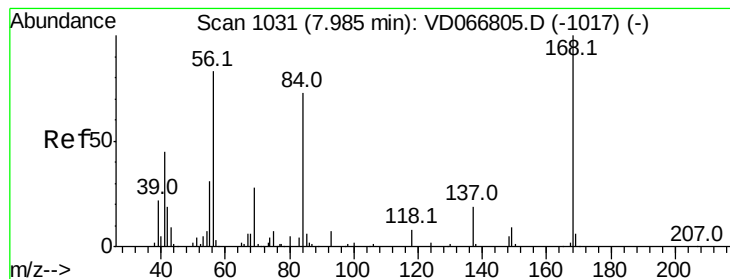
72 16.5 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampled :

B-4(5-7)

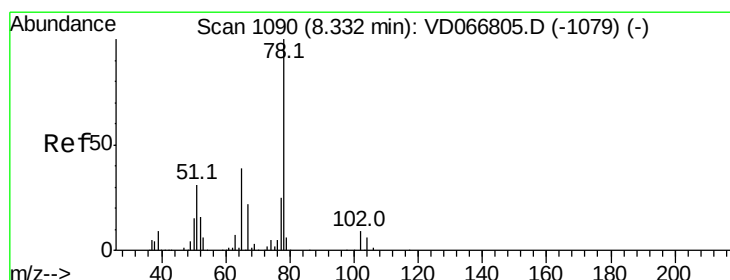
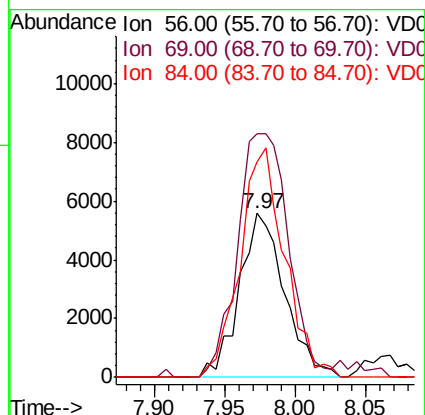
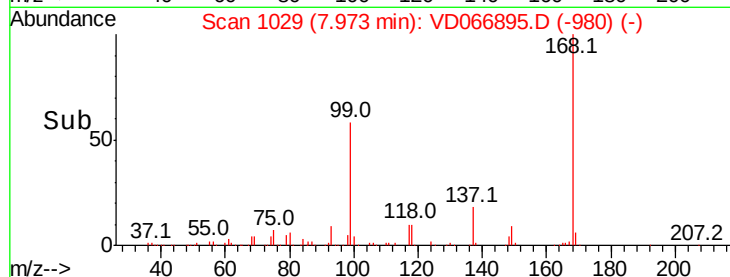
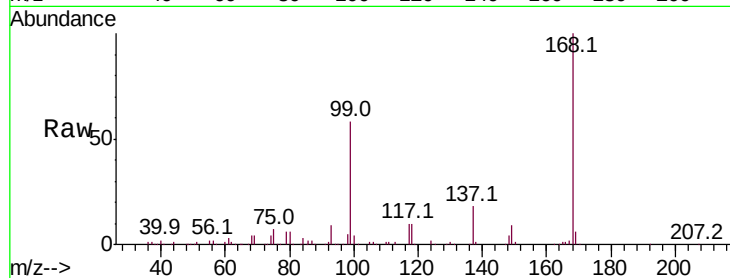
Tot Ion: 56 Resp: 12557

Ion Ratio Lower Upper

56 100

69 148.4 27.0 40.4#

84 131.0 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 46.713 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066895.D

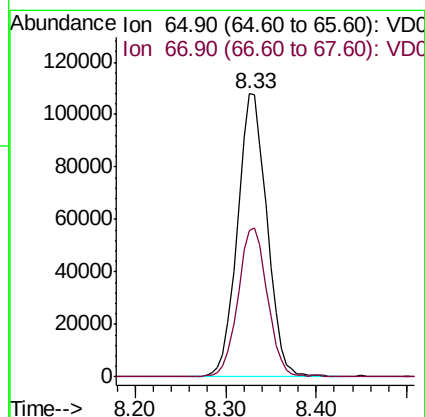
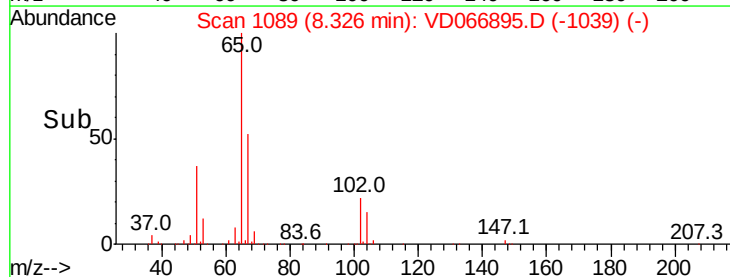
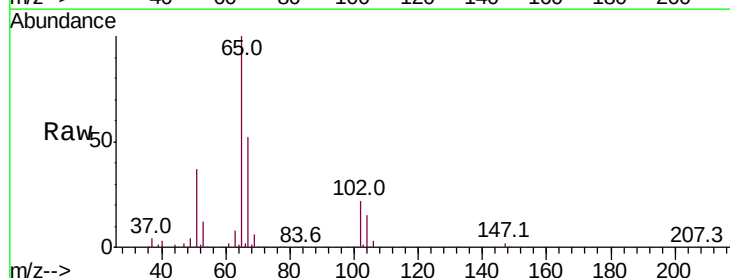
Acq: 26 Sep 2020 02:39

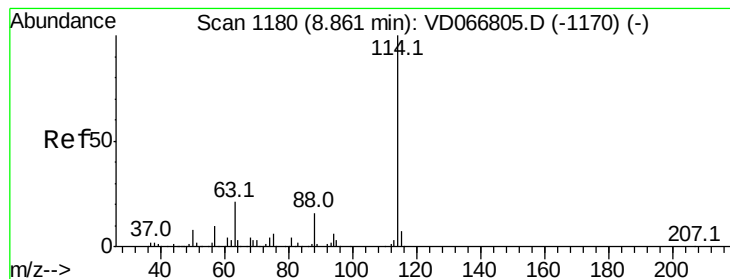
Tgt Ion: 65 Resp: 244632

Ion Ratio Lower Upper

65 100

67 52.5 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: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

B-4(5-7)

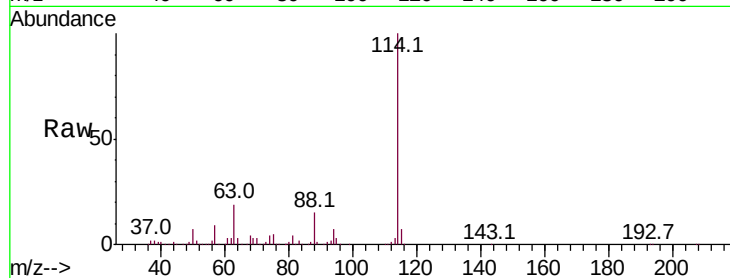
Tot Ion:114 Resp: 904316

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

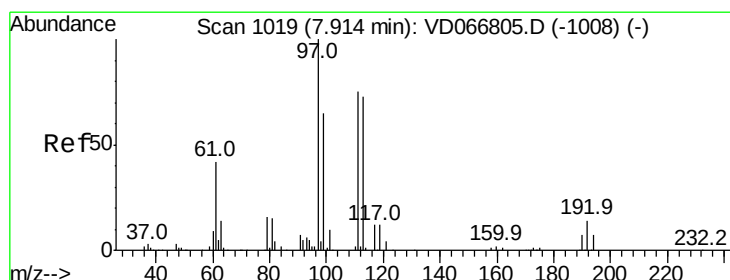
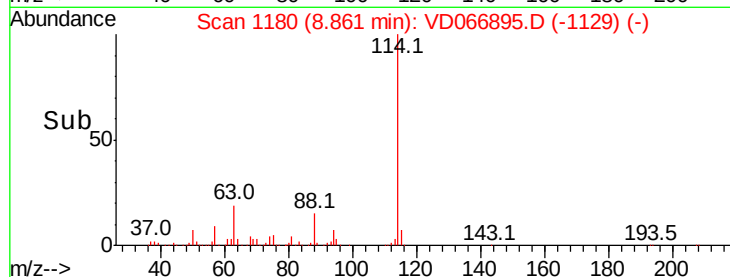
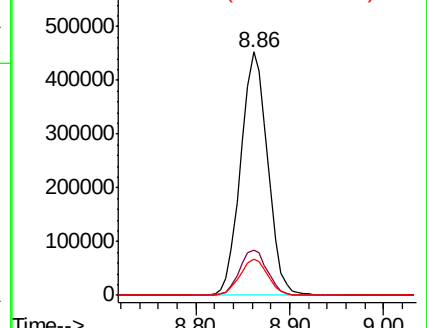
88 15.0 0.0 32.6



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: 37.941 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

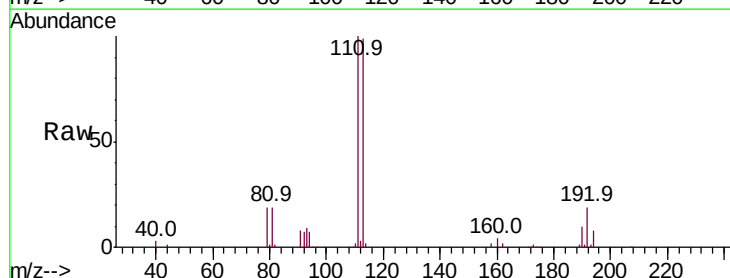
Tgt Ion:113 Resp: 218287

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

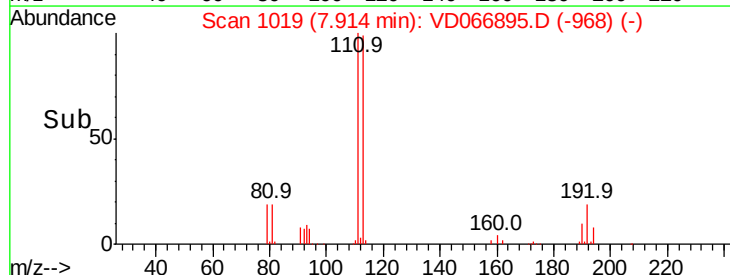
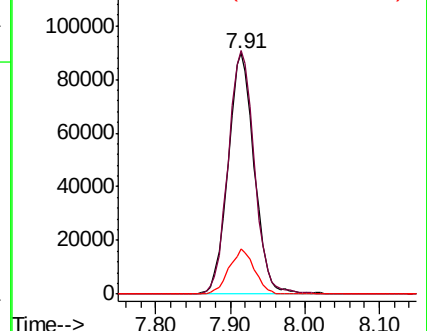
192 18.3 14.4 21.6

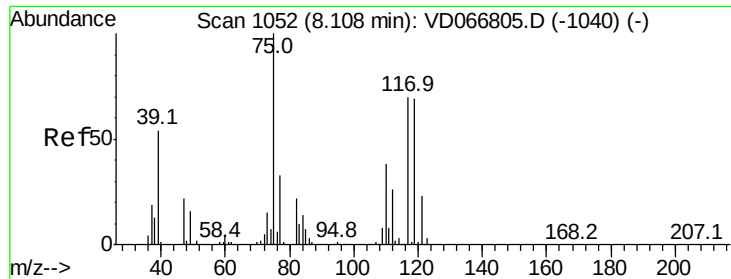


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.762 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

B-4(5-7)

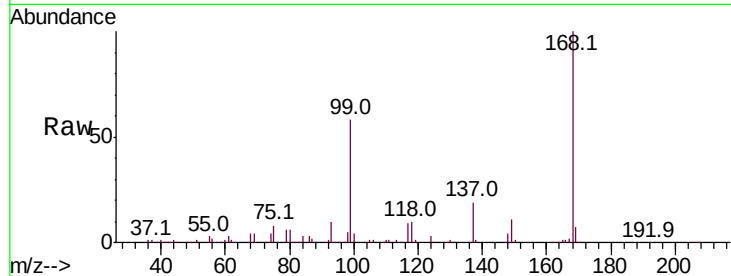
Tot Ion: 75 Resp: 42725

Ion Ratio Lower Upper

75 100

110 9.4 17.9 53.8#

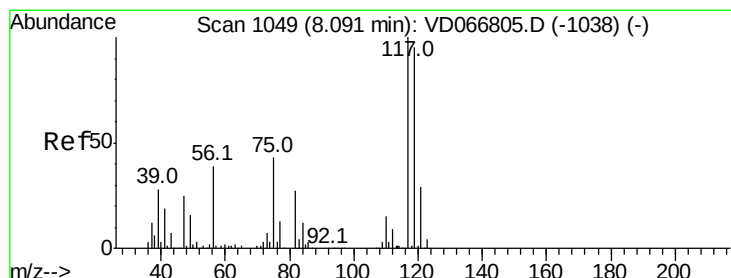
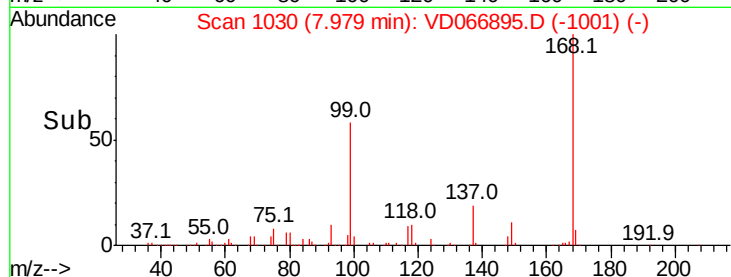
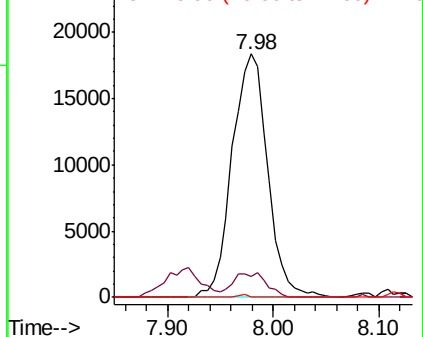
77 0.3 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

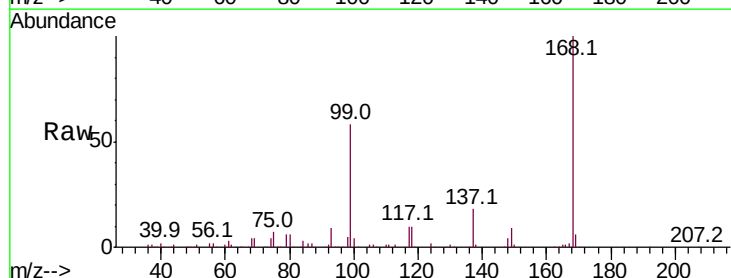
Tgt Ion: 117 Resp: 55936

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

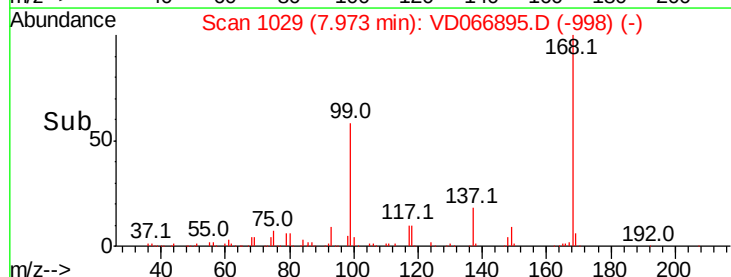
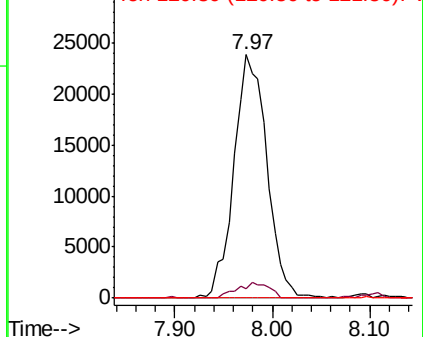
121 0.0 23.4 35.0#

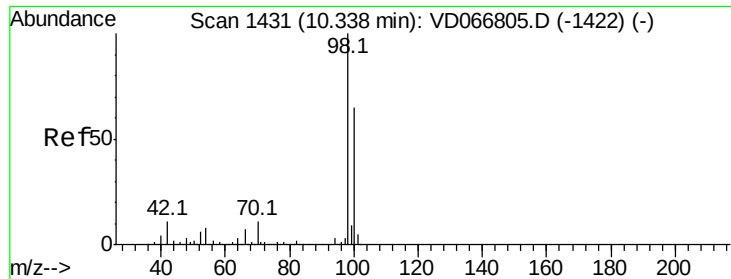


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

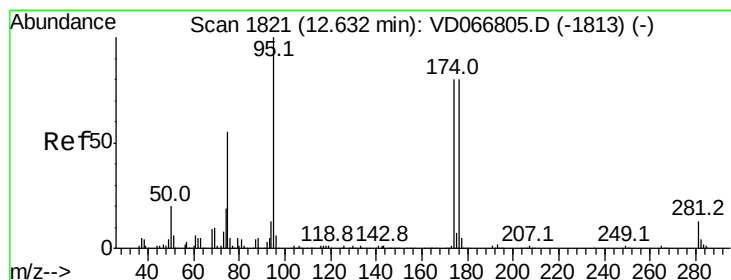
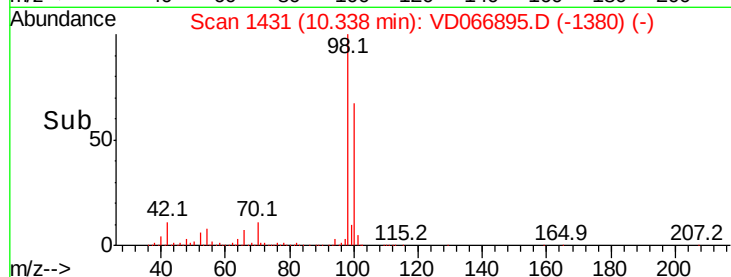
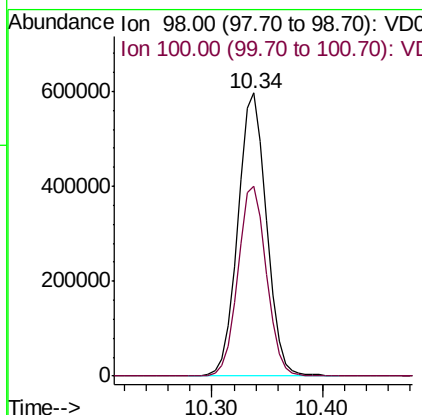
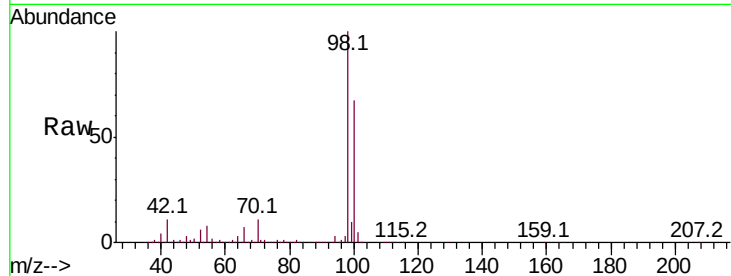




#50
Toluene-d8
Concen: 55.545 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066895.D
Acq: 26 Sep 2020 02:39

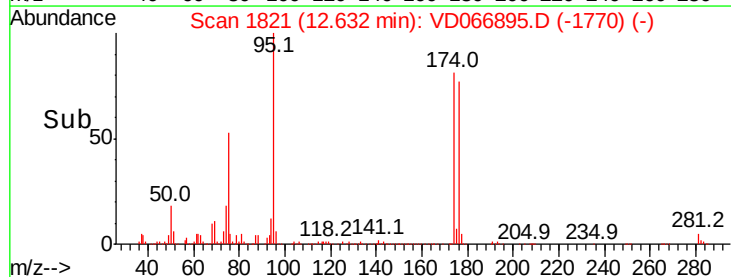
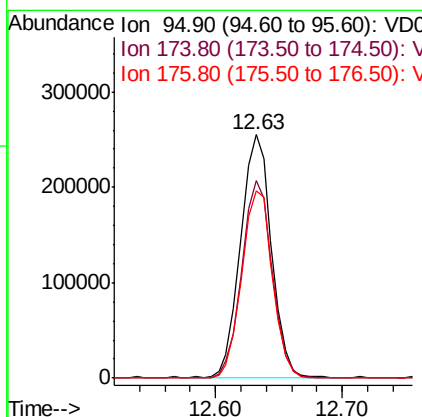
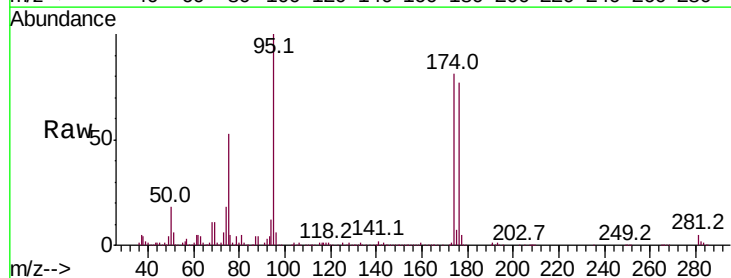
Instrument :
MSVOA_D
ClientSampleId :
B-4(5-7)

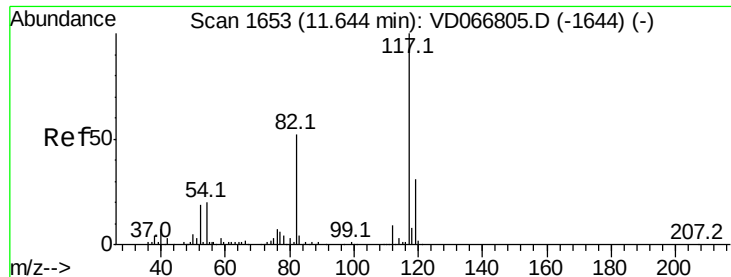
Tot Ion: 98 Resp: 1088816
Ion Ratio Lower Upper
98 100
100 67.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 63.561 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066895.D
Acq: 26 Sep 2020 02:39

Tgt Ion: 95 Resp: 426531
Ion Ratio Lower Upper
95 100
174 80.7 0.0 159.8
176 77.4 0.0 154.4

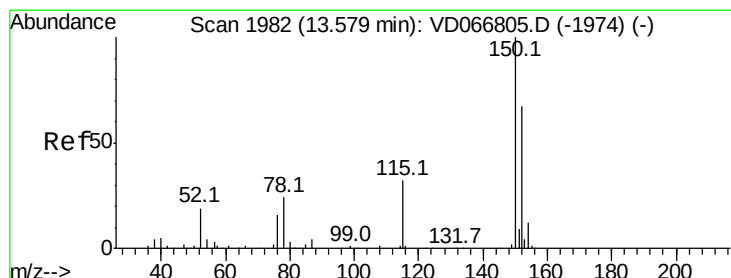
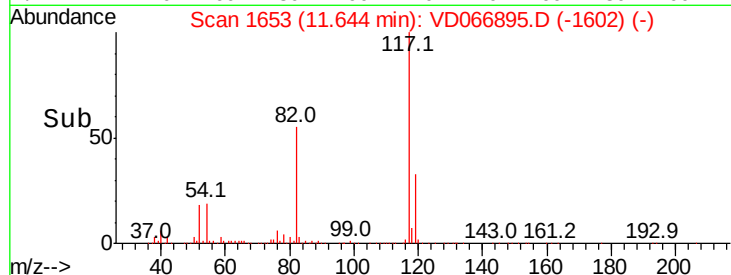
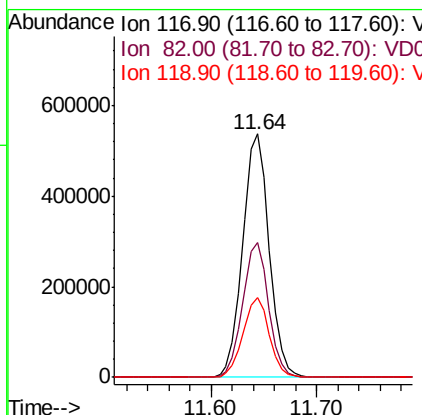
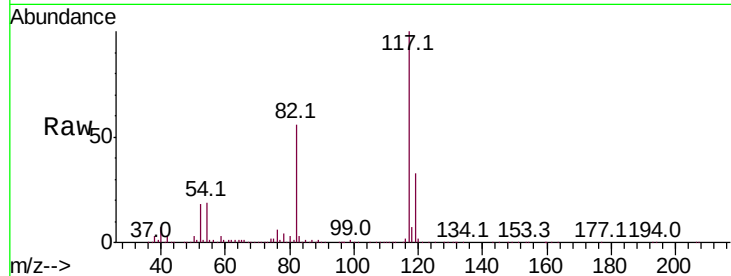




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066895.D
Acq: 26 Sep 2020 02:39

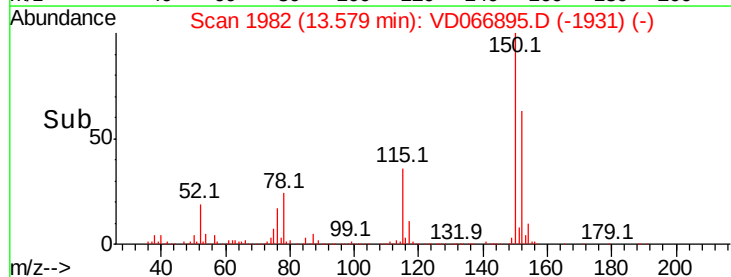
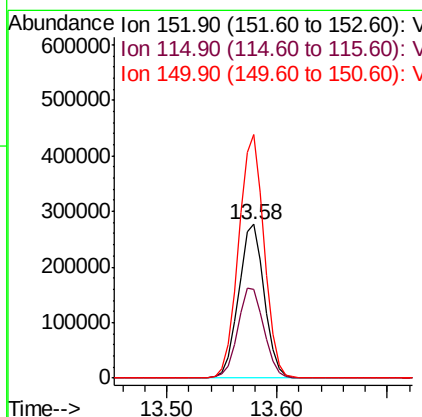
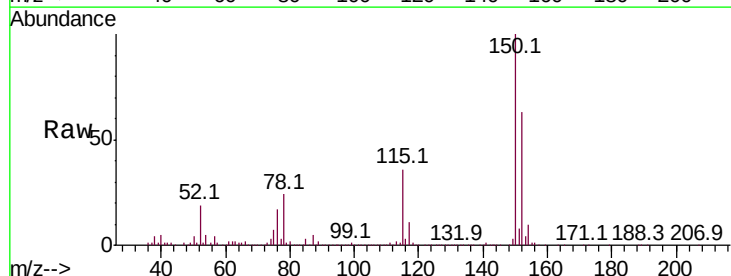
Instrument :
MSVOA_D
ClientSampleId :
B-4(5-7)

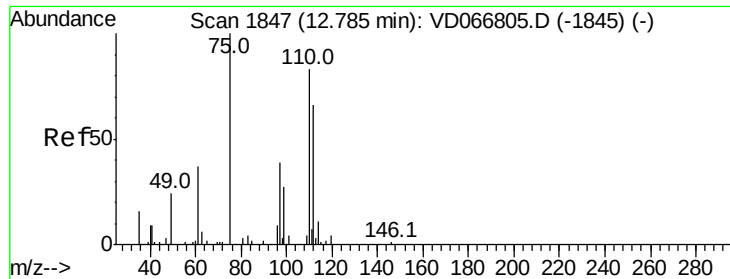
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	41.8	62.6
119	32.6	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066895.D
Acq: 26 Sep 2020 02:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.3	91.0
150	157.1	0.0	346.2





#76

1,2,3-Trichloropropane

Concen: 58.951 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

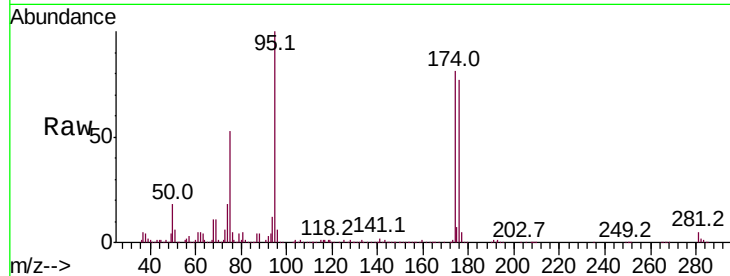
B-4(5-7)

Tot Ion: 75 Resp: 220874

Ion Ratio Lower Upper

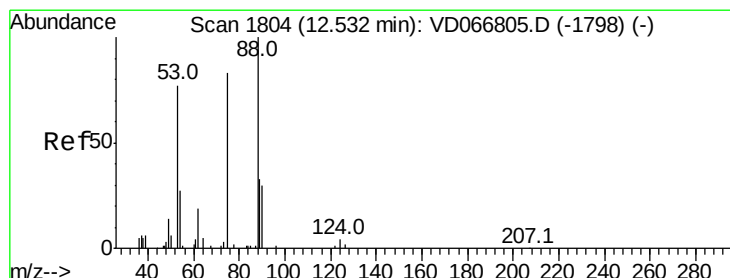
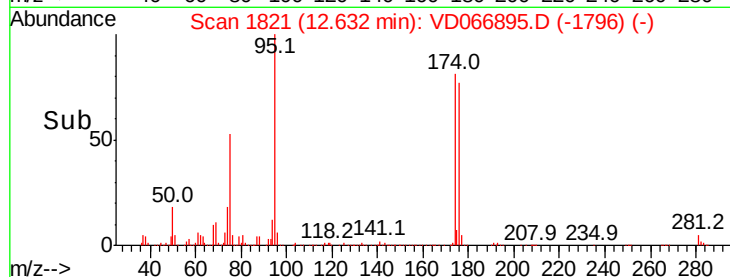
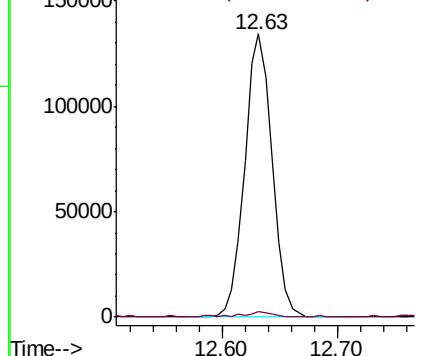
75 100

77 1.9 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: 147.491 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066895.D

Acq: 26 Sep 2020 02:39

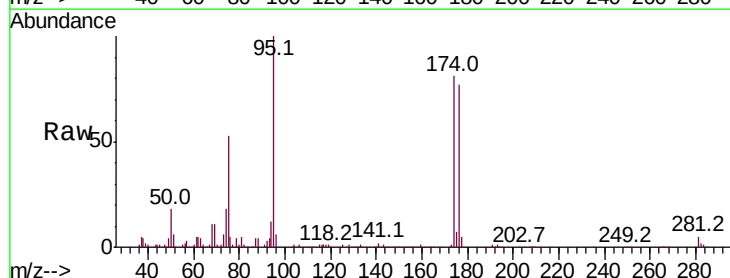
Tgt Ion: 75 Resp: 220874

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 38.1 57.1#



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

