

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066893.D
 Acq On : 26 Sep 2020 01:44
 Operator : VA/SY
 Sample : L4154-03
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(13-15)

Quant Time: Sep 26 06:39:34 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

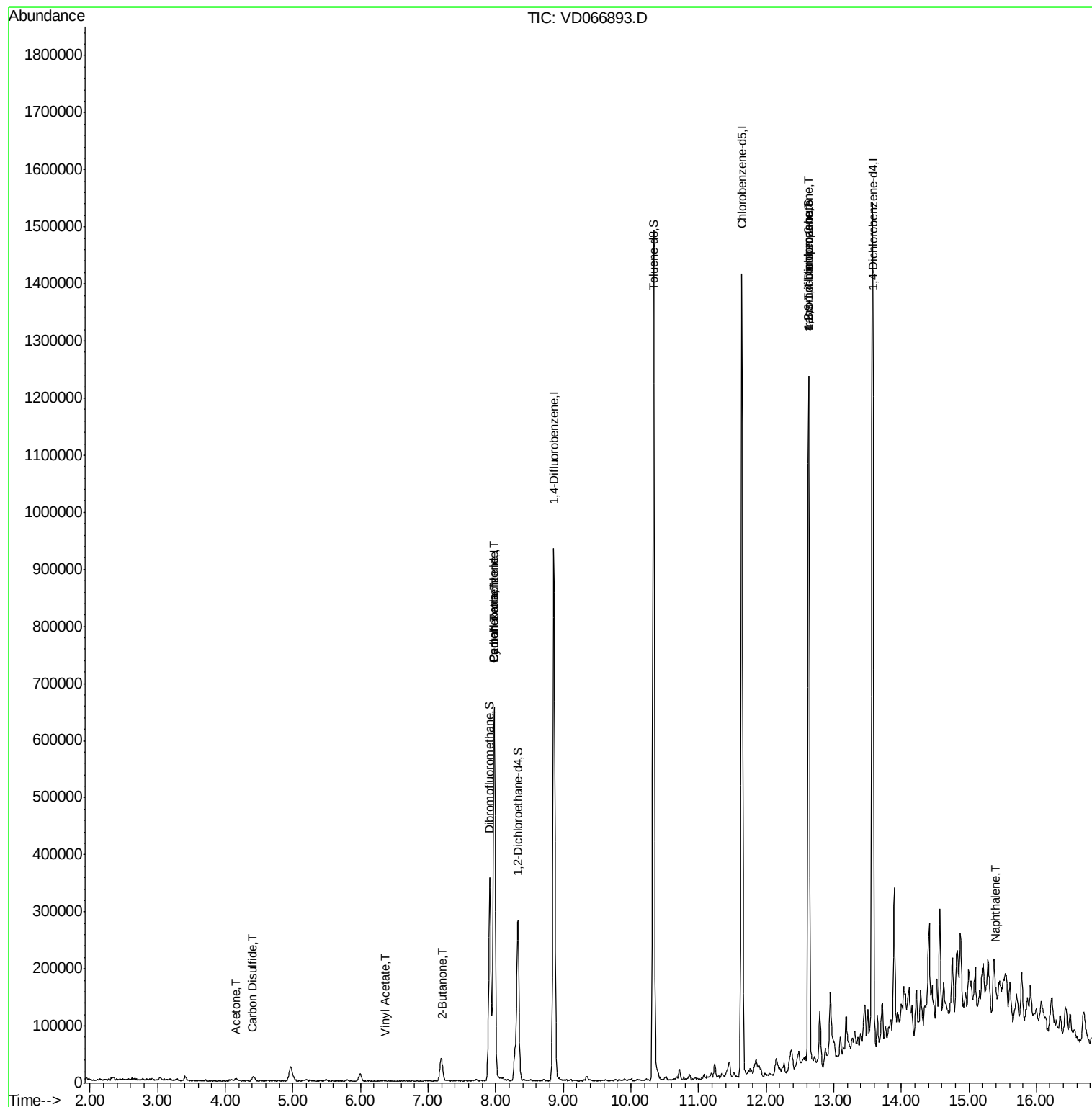
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	820173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	837698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	408781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	228000	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
35) Dibromofluoromethane	7.91	113	247550	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
50) Toluene-d8	10.34	98	990823	55.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.46%	
62) 4-Bromofluorobenzene	12.63	95	381028	62.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1135	Below Cal		88
11) Tert butyl alcohol	5.20	59	960	Below Cal	#	72
16) Acetone	4.16	43	6272	6.258	ug/l	94
17) Carbon Disulfide	4.41	76	14686	1.016	ug/l #	91
18) Methyl Acetate	4.72	43	59	Below Cal	#	50
20) Methylene Chloride	4.97	84	20502	Below Cal	#	89
23) Vinyl Acetate	6.36	43	717	2.763	ug/l #	71
25) 2-Butanone	7.21	43	2996	2.487	ug/l #	46
31) Cyclohexane	7.97	56	11789	1.372	ug/l #	4
38) Carbon Tetrachloride	7.98	117	51203	5.756	ug/l #	18
49) 1,4-Dioxane	9.46	88	64	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	200477	59.179	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	200477	148.060	ug/l #	10
95) Naphthalene	15.40	128	37607	3.014	ug/l #	91

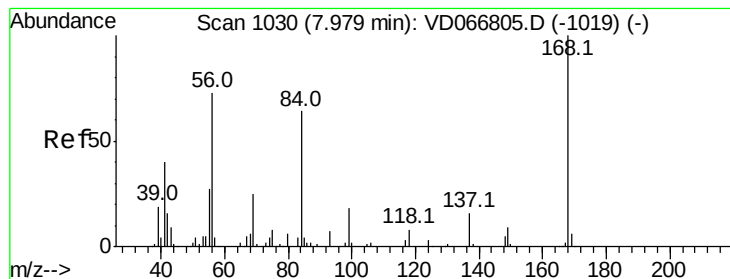
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066893.D

Acq: 26 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

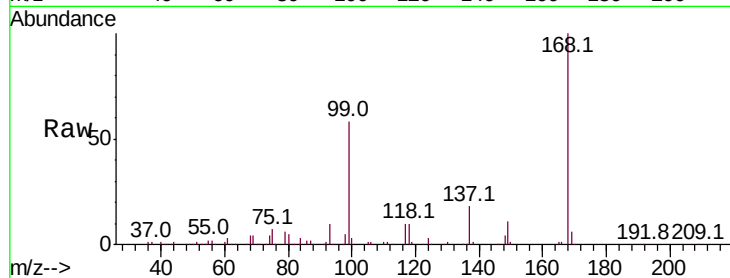
B-1(13-15)

Tot Ion:168 Resp: 482735

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

250000

200000

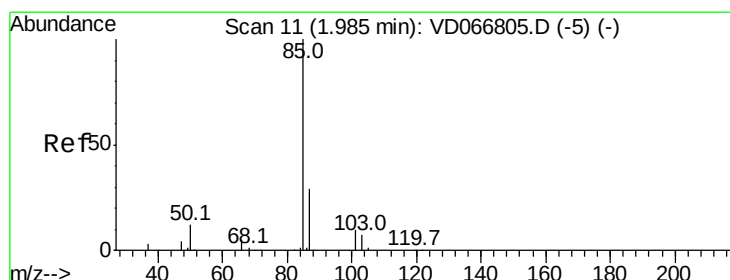
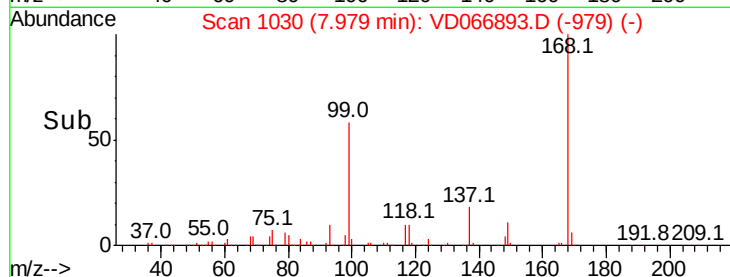
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066893.D

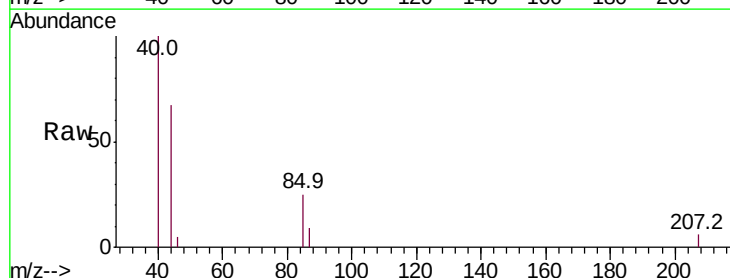
Acq: 26 Sep 2020 01:44

Tgt Ion: 85 Resp: 1135

Ion Ratio Lower Upper

85 100

87 35.5 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

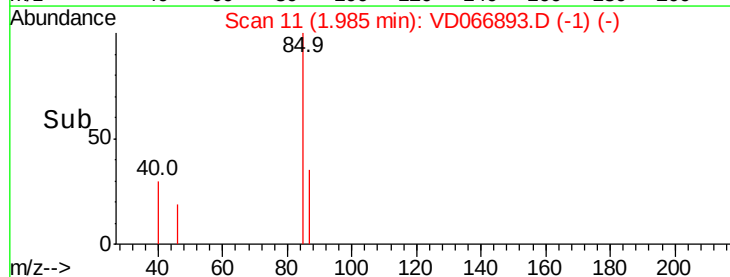
600

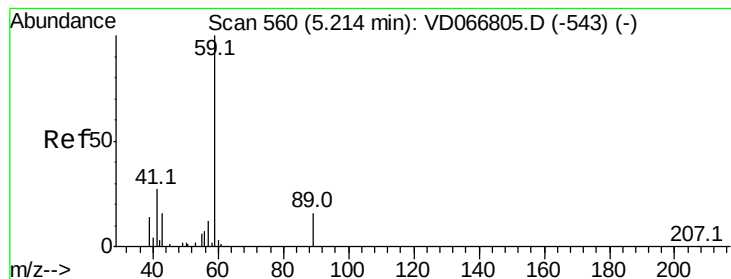
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200

0

Time-->



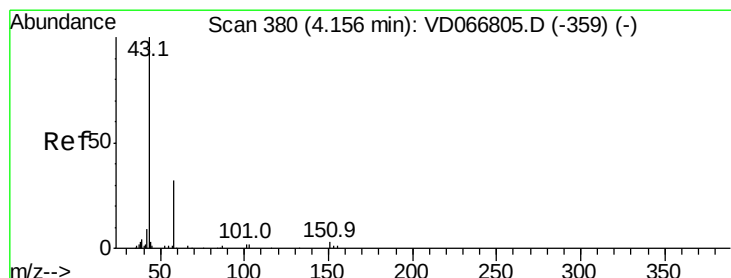
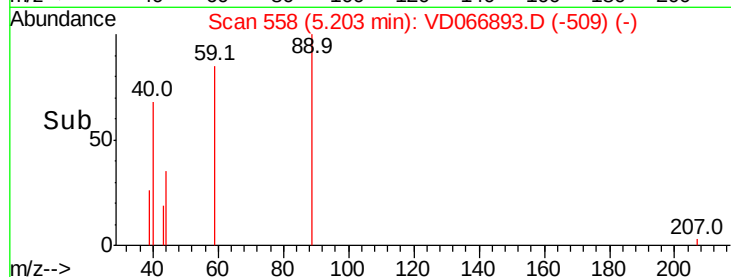
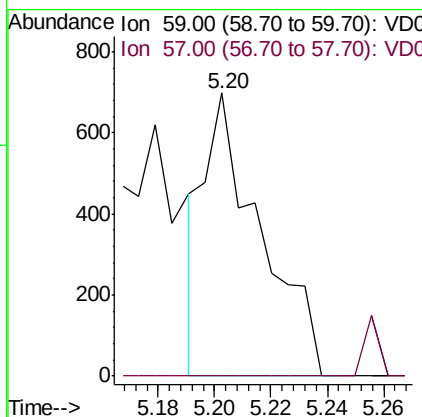
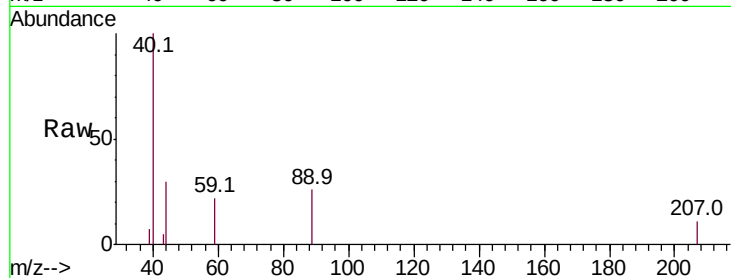


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066893.D
 Acq: 26 Sep 2020 01:44

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(13-15)

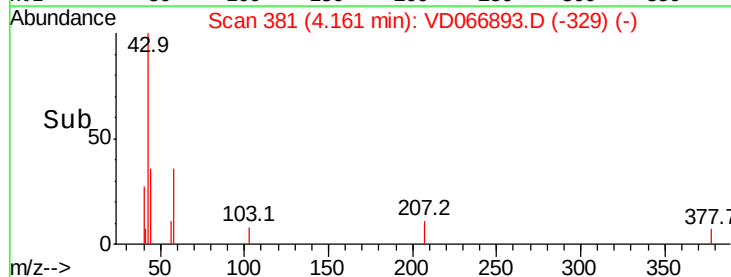
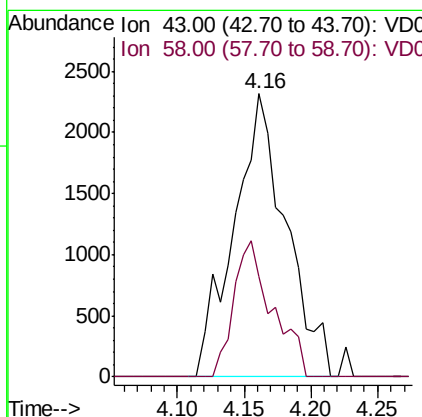
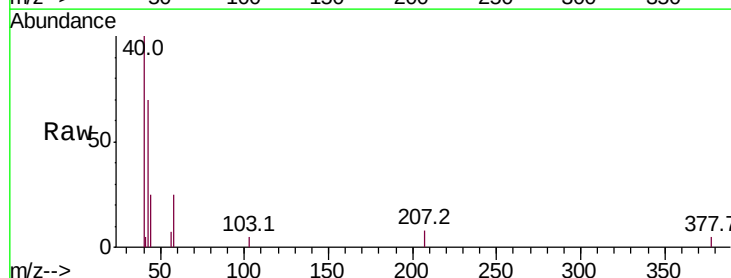
Tot Ion: 59 Resp: 960
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

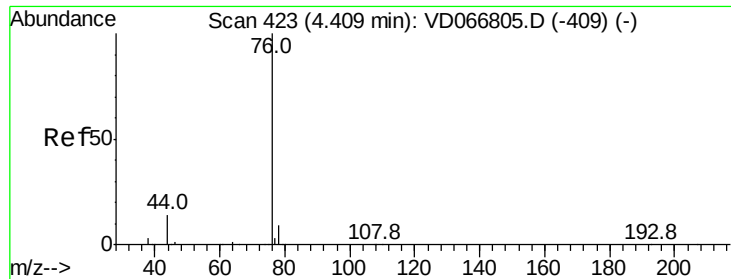


#16

Acetone
 Concen: 6.258 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066893.D
 Acq: 26 Sep 2020 01:44

Tgt Ion: 43 Resp: 6272
 Ion Ratio Lower Upper
 43 100
 58 35.6 25.6 38.4

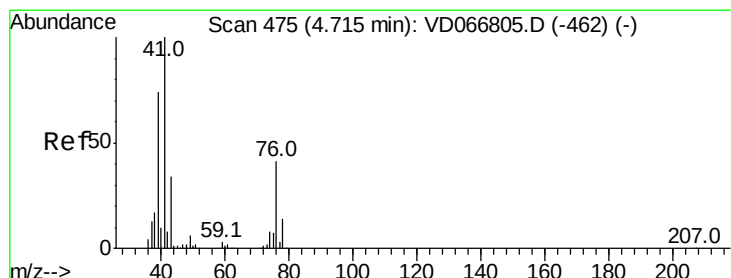
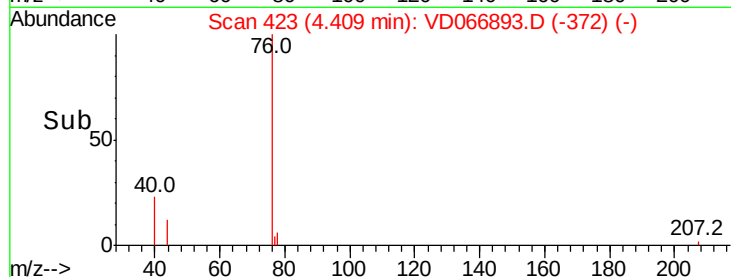
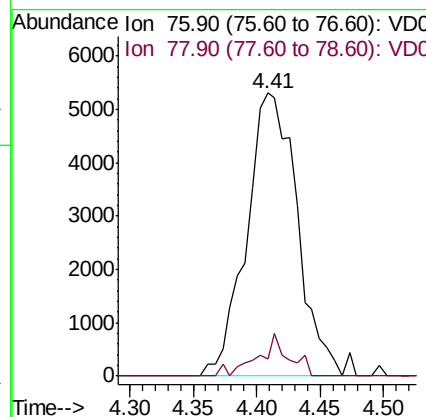
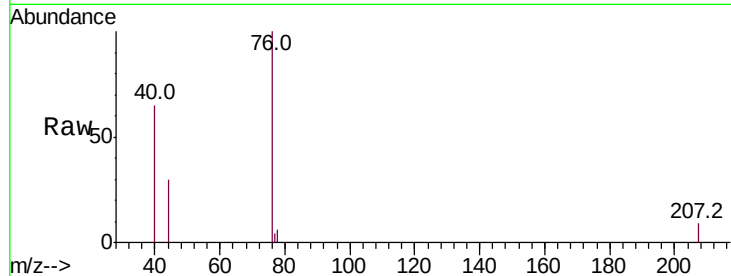




#17
Carbon Disulfide
Concen: 1.016 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

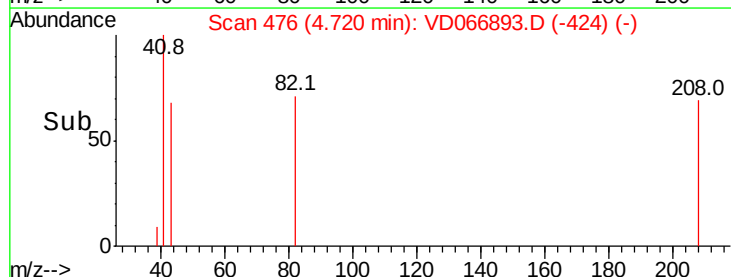
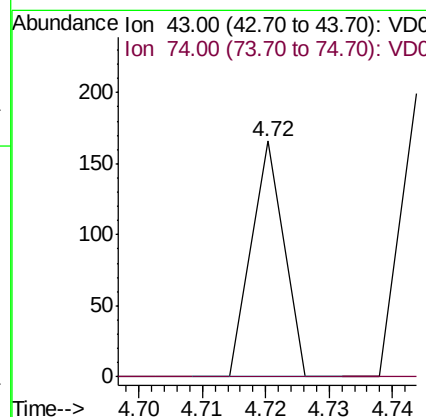
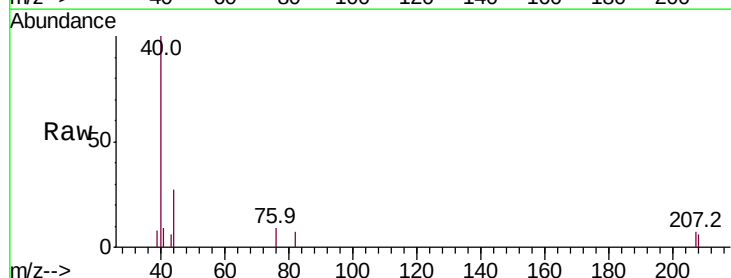
Instrument :
MSVOA_D
ClientSampleId :
B-1(13-15)

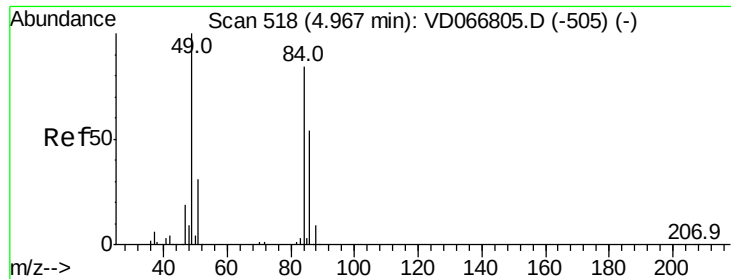
Tot Ion: 76 Resp: 14686
Ion Ratio Lower Upper
76 100
78 6.2 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#

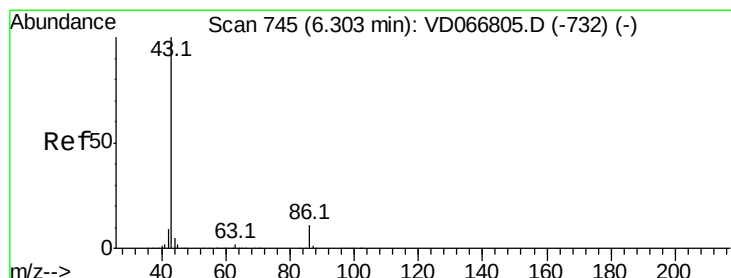
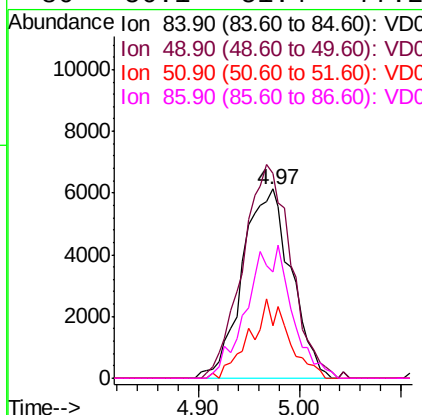
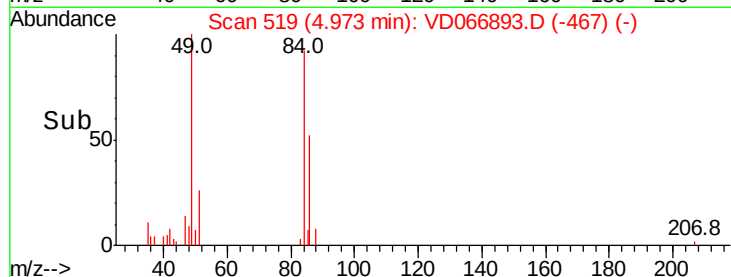
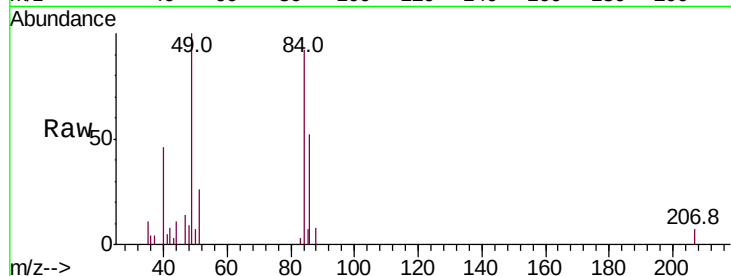




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

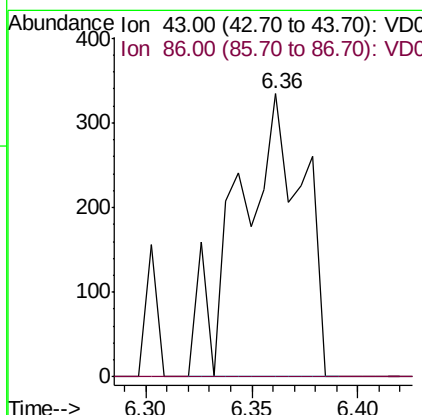
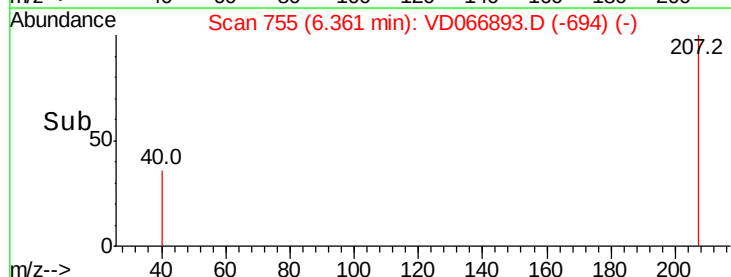
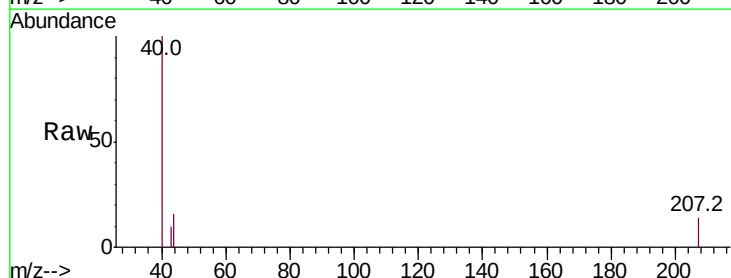
Instrument :
MSVOA_D
ClientSampleId :
B-1(13-15)

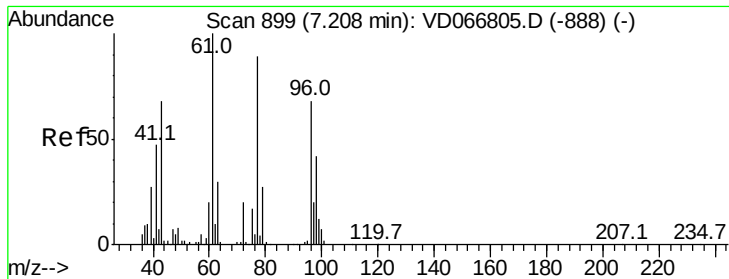
Tot Ion: 84 Resp: 20502
Ion Ratio Lower Upper
84 100
49 108.4 95.4 143.2
51 27.8 29.7 44.5#
86 56.1 51.4 77.2



#23
Vinyl Acetate
Concen: 2.763 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.06 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Tgt Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#





#25

2-Butanone

Concen: 2.487 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066893.D

Acq: 26 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

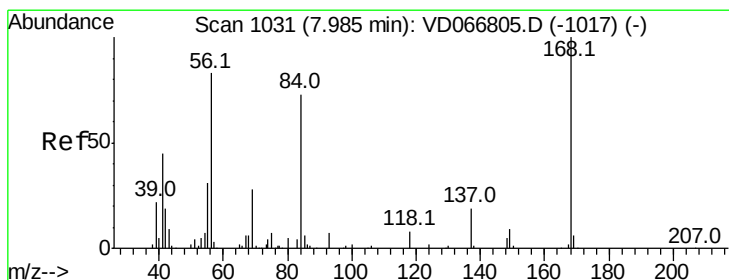
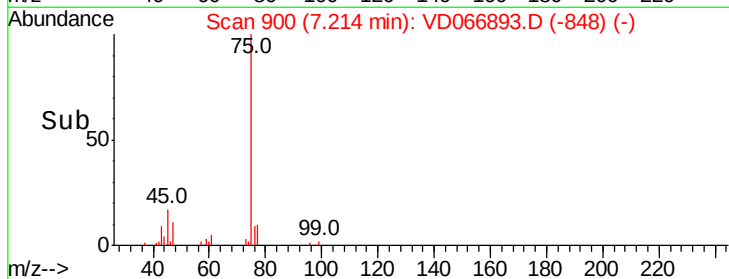
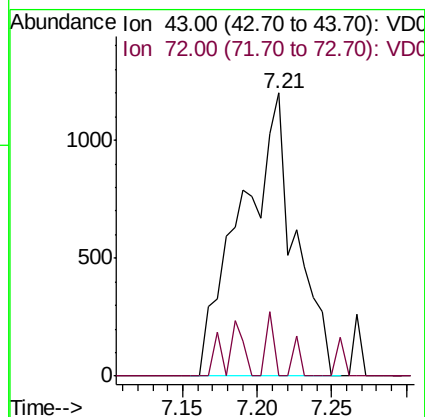
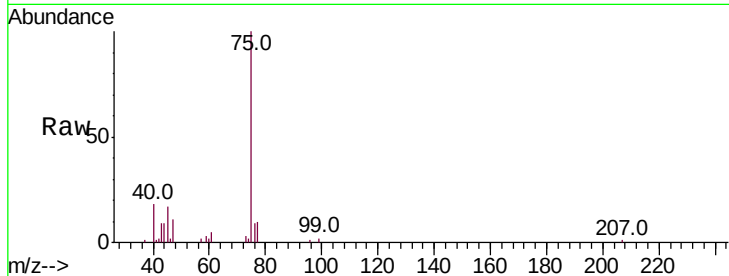
B-1(13-15)

Tot Ion: 43 Resp: 2996

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066893.D

Acq: 26 Sep 2020 01:44

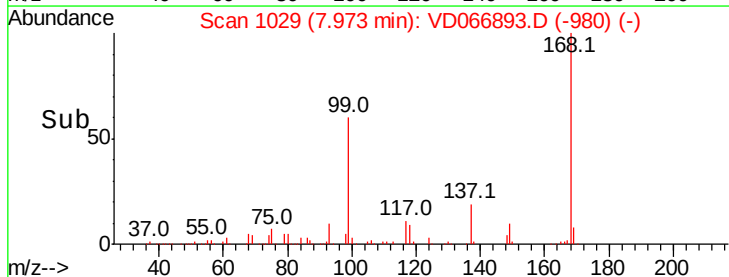
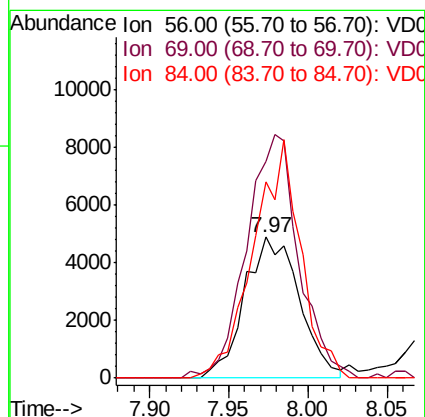
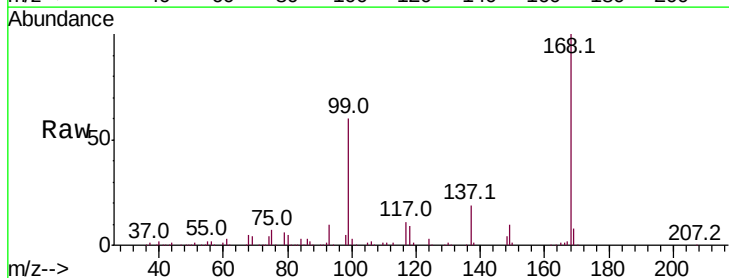
Tgt Ion: 56 Resp: 11789

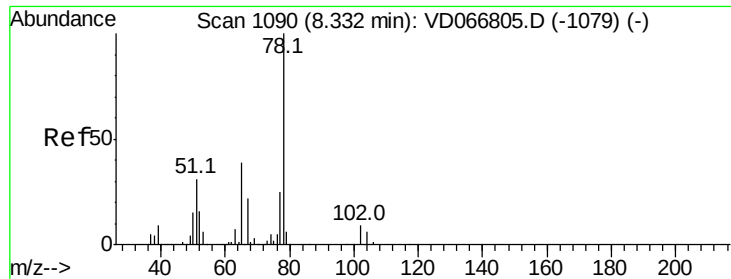
Ion Ratio Lower Upper

56 100

69 149.1 27.0 40.4#

84 139.7 70.2 105.4#

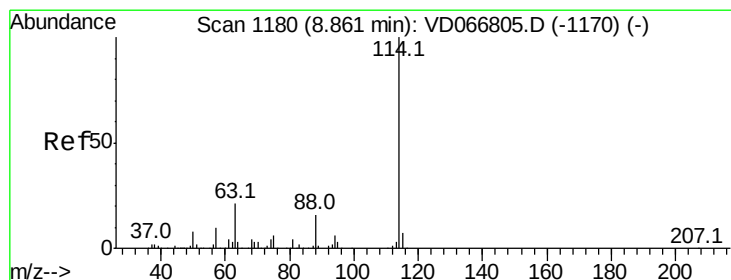
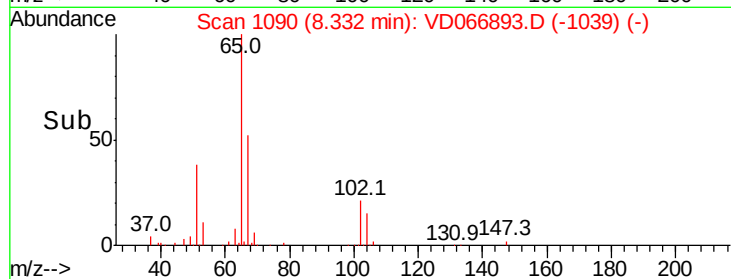
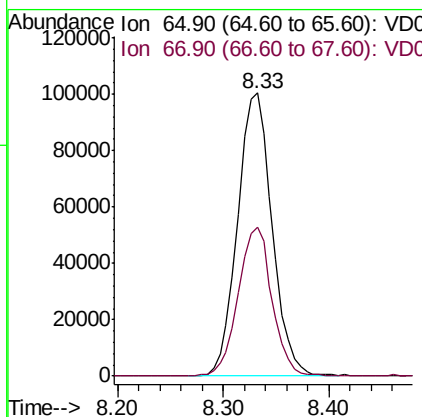
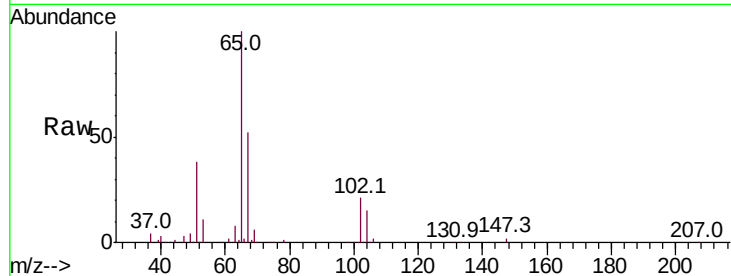




#33
 1,2-Dichloroethane-d4
 Concen: 48.256 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066893.D
 Acq: 26 Sep 2020 01:44

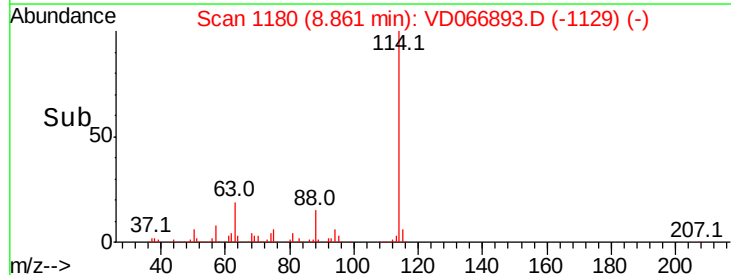
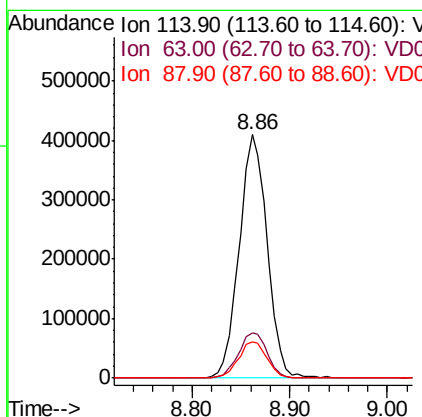
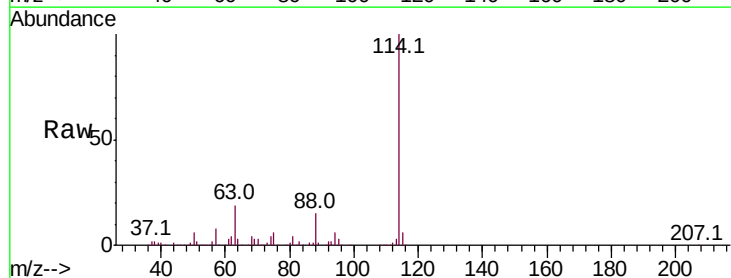
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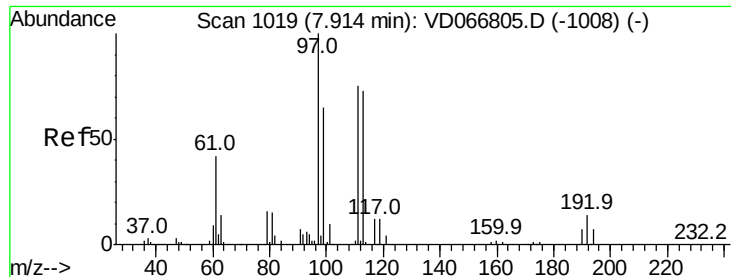
Tot Ion: 65 Resp: 228000
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066893.D
 Acq: 26 Sep 2020 01:44

Tgt Ion: 114 Resp: 820173
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.6
 88 15.0 0.0 32.6

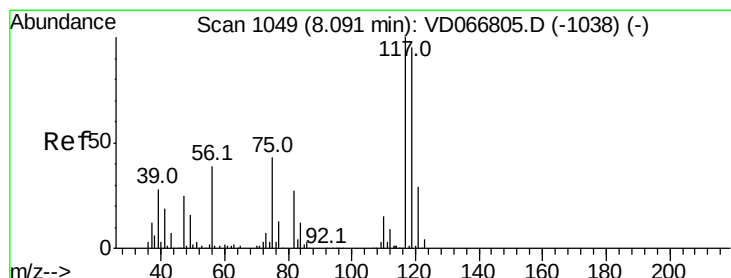
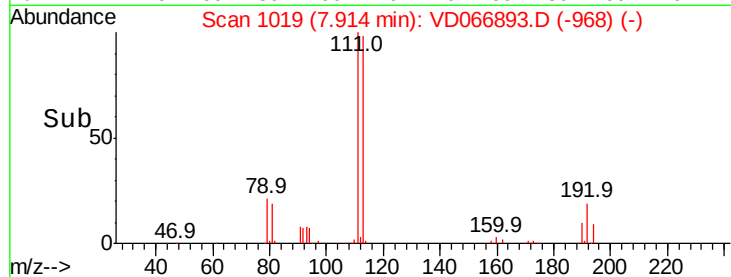
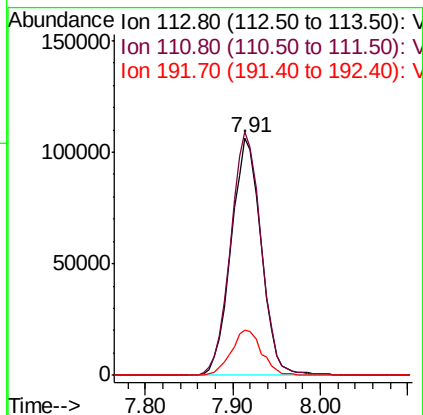
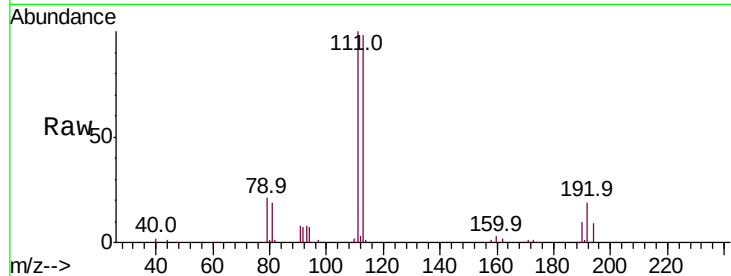




#35
 Dibromofluoromethane
 Concen: 47.442 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066893.D
 Acq: 26 Sep 2020 01:44

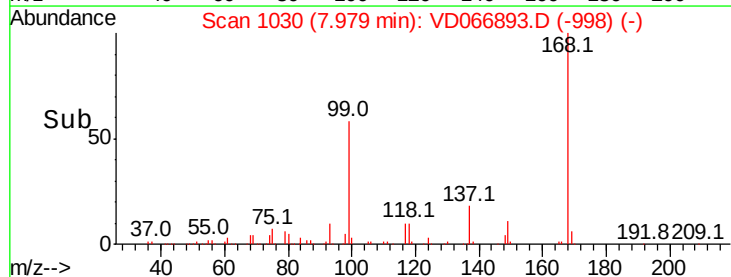
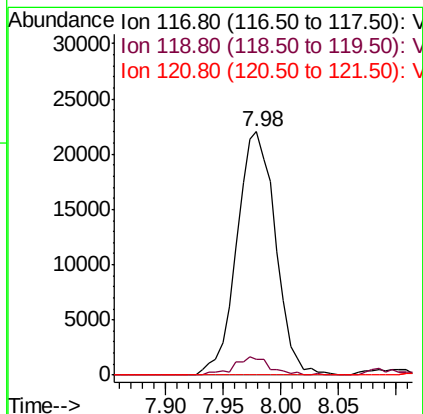
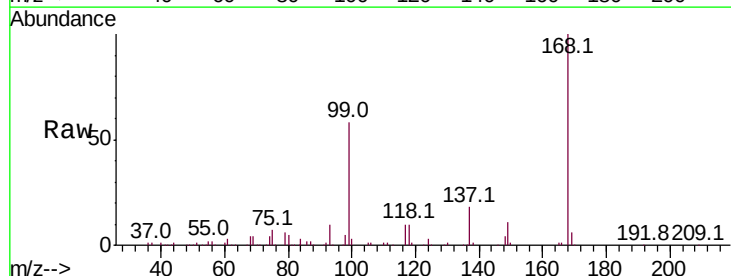
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(13-15)

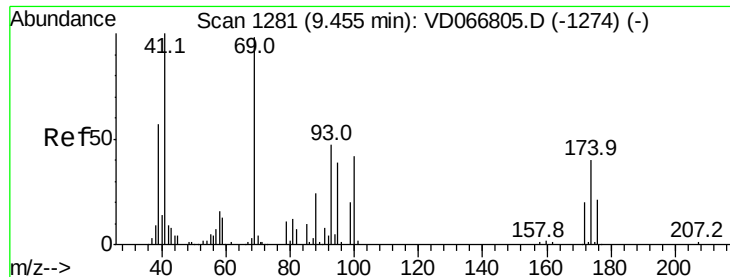
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.8
192	19.2	14.4	21.6



#38
 Carbon Tetrachloride
 Concen: 5.756 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066893.D
 Acq: 26 Sep 2020 01:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	75.8	113.8#
121	0.0	23.4	35.0#

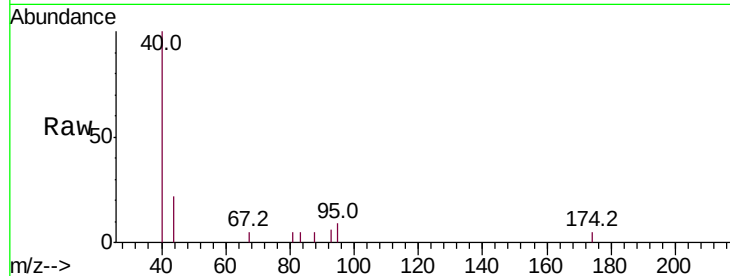




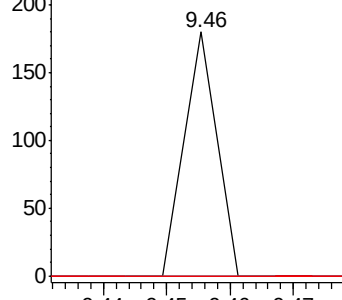
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Instrument :
MSVOA_D
ClientSampleId :
B-1(13-15)

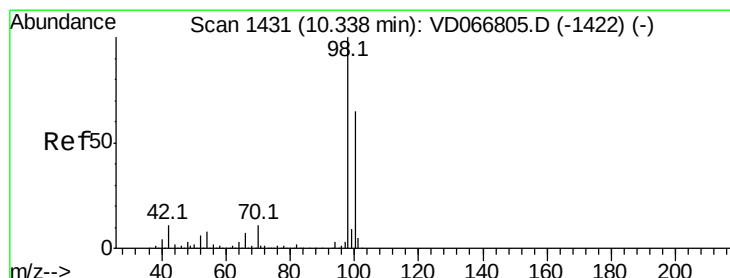
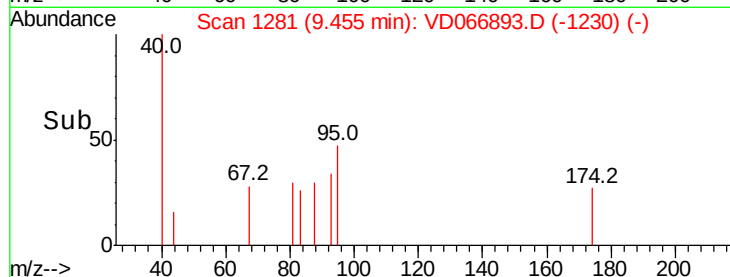
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

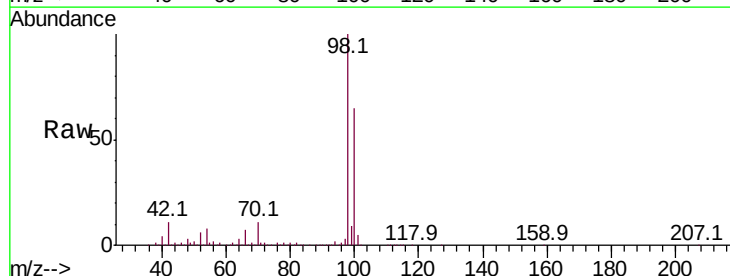


Time-->

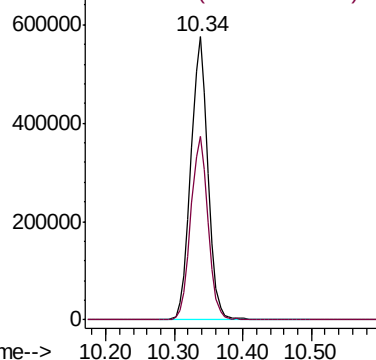


#50
Toluene-d8
Concen: 55.732 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

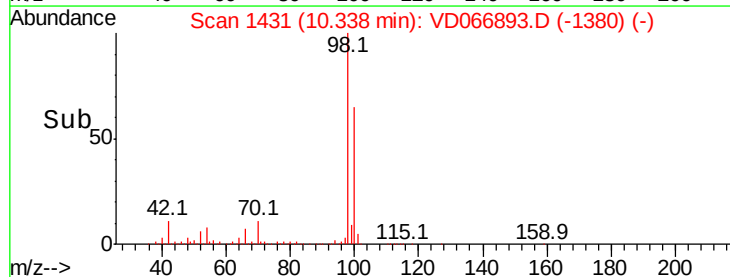
Tgt Ion: 98 Resp: 990823
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2

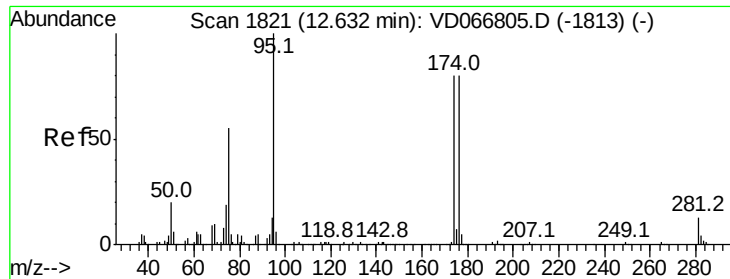


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time-->

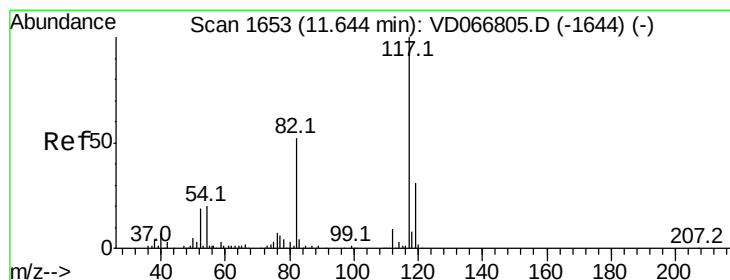
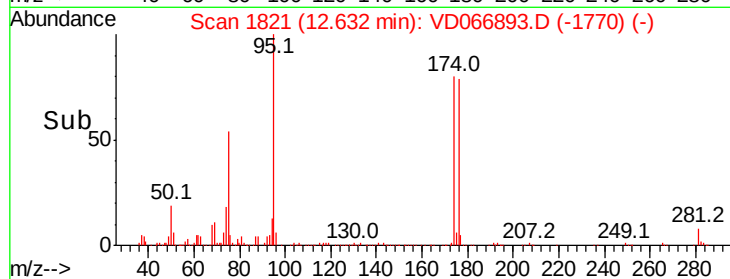
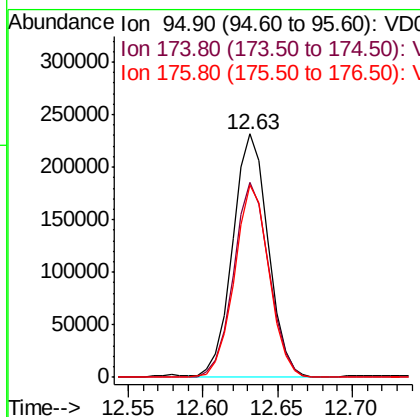
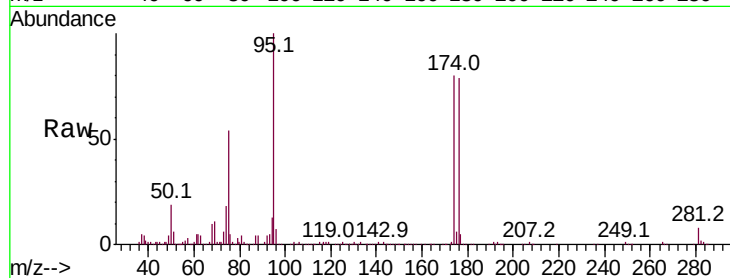




#62
4-Bromofluorobenzene
Concen: 62.605 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

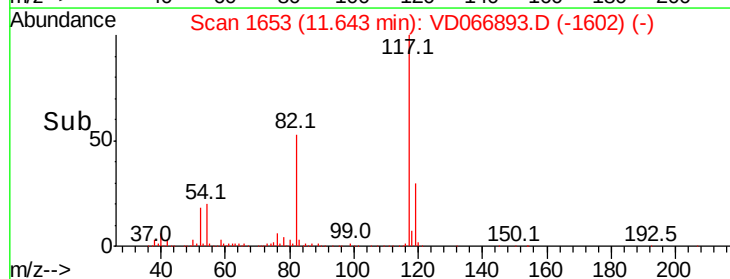
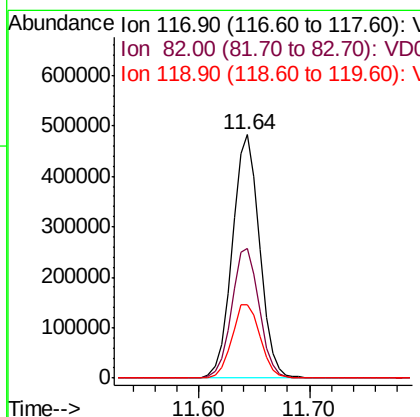
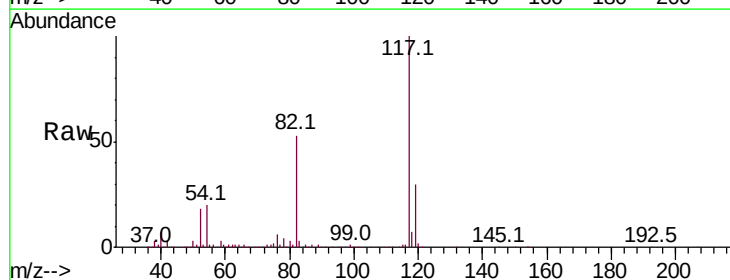
Instrument :
MSVOA_D
ClientSampleId :
B-1(13-15)

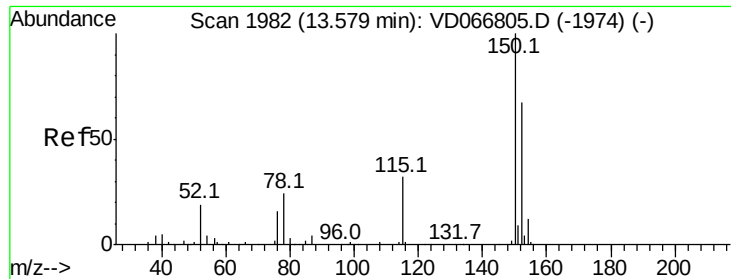
Tot Ion	95	Resp	381028
Ion Ratio	Lower	Upper	
95	100		
174	80.6	0.0	159.8
176	77.4	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Tgt Ion	117	Resp	837698
Ion Ratio	Lower	Upper	
117	100		
82	53.2	41.8	62.6
119	30.4	24.6	37.0



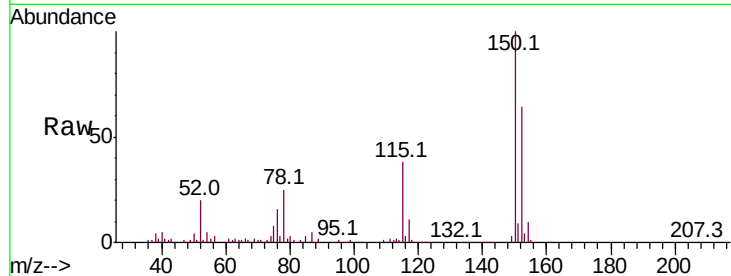


#72

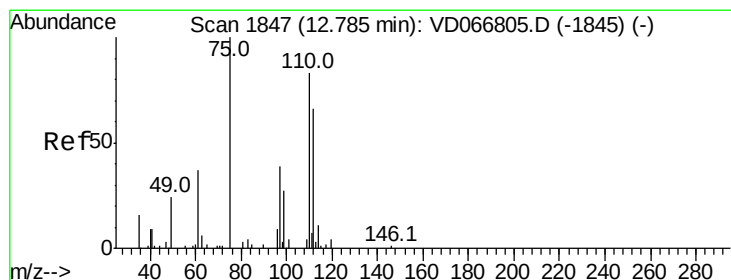
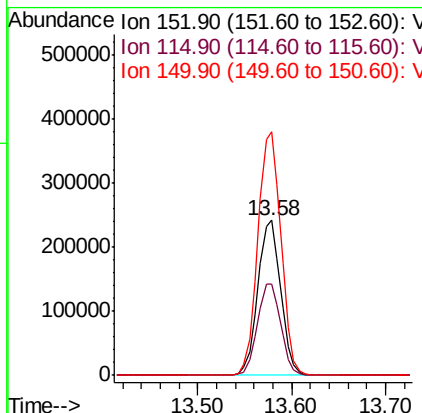
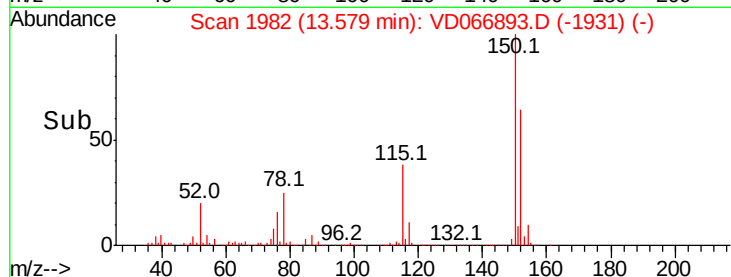
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Instrument :
MSVOA_D
ClientSampleId :
B-1(13-15)

Tot Ion:152 Resp: 408781
Ion Ratio Lower Upper
152 100
115 59.9 30.3 91.0
150 158.1 0.0 346.2



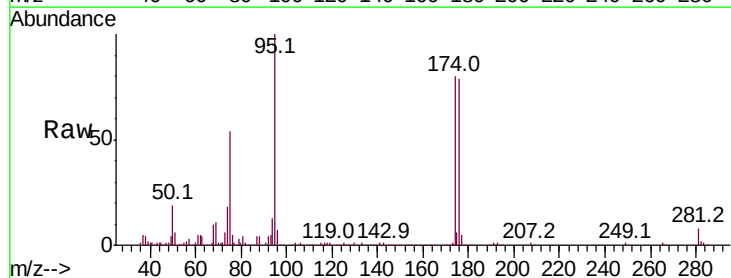
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



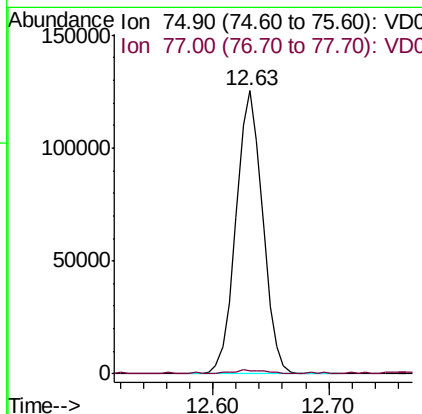
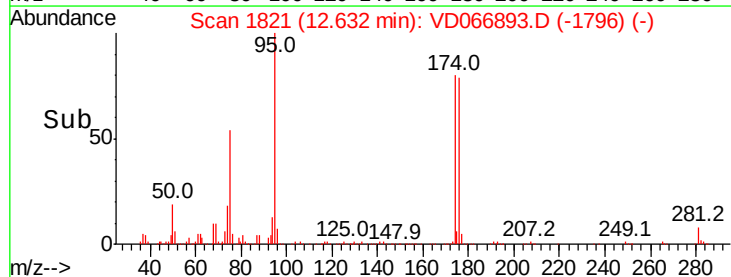
#76

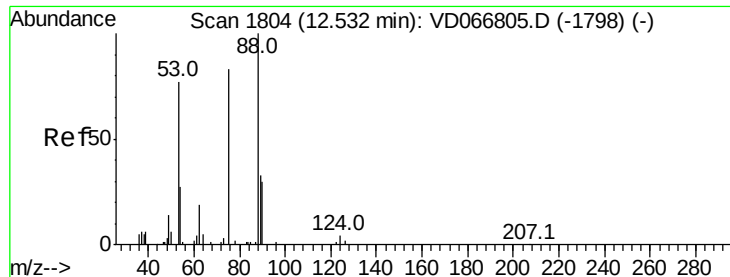
1,2,3-Trichloropropane
Concen: 59.179 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Tgt Ion: 75 Resp: 200477
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

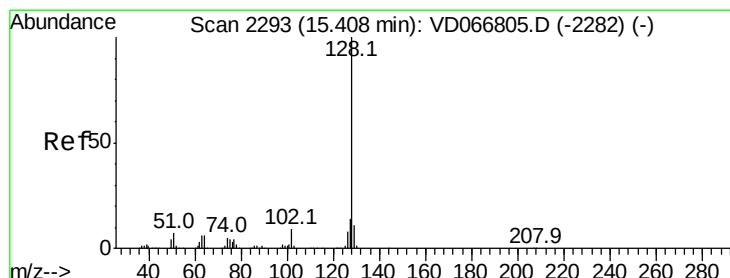
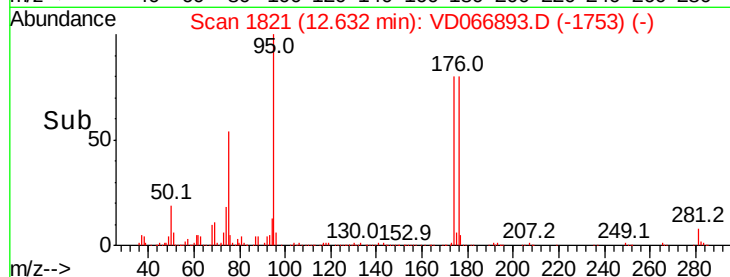
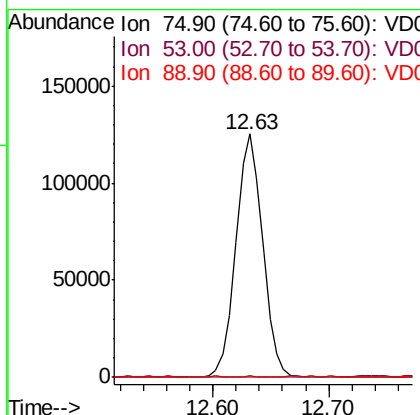
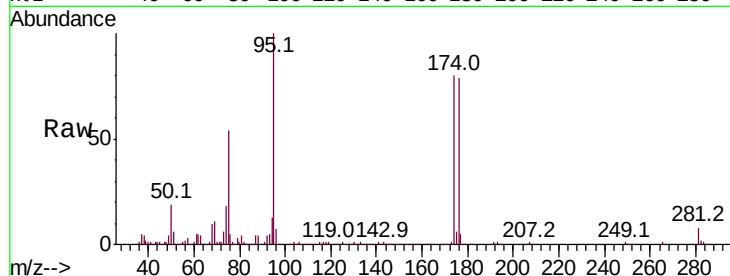




#81
trans-1,4-Dichloro-2-butene
Concen: 148.060 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Instrument :
MSVOA_D
ClientSampleId :
B-1(13-15)

Tot Ion: 75 Resp: 200477
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.2 38.1 57.1#



#95
Naphthalene
Concen: 3.014 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066893.D
Acq: 26 Sep 2020 01:44

Tgt Ion: 128 Resp: 37607
Ion Ratio Lower Upper
128 100
127 19.4 10.6 16.0#
129 10.5 8.9 13.3

