

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066853.D
 Acq On : 24 Sep 2020 16:10
 Operator : VA/SY
 Sample : L4125-10
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-28

Quant Time: Sep 25 01:10:14 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	376618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	681212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	684119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	209598	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	7.91	113	221044	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.34	98	826075	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	
62) 4-Bromofluorobenzene	12.63	95	291544	57.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.34%	

Target Compounds

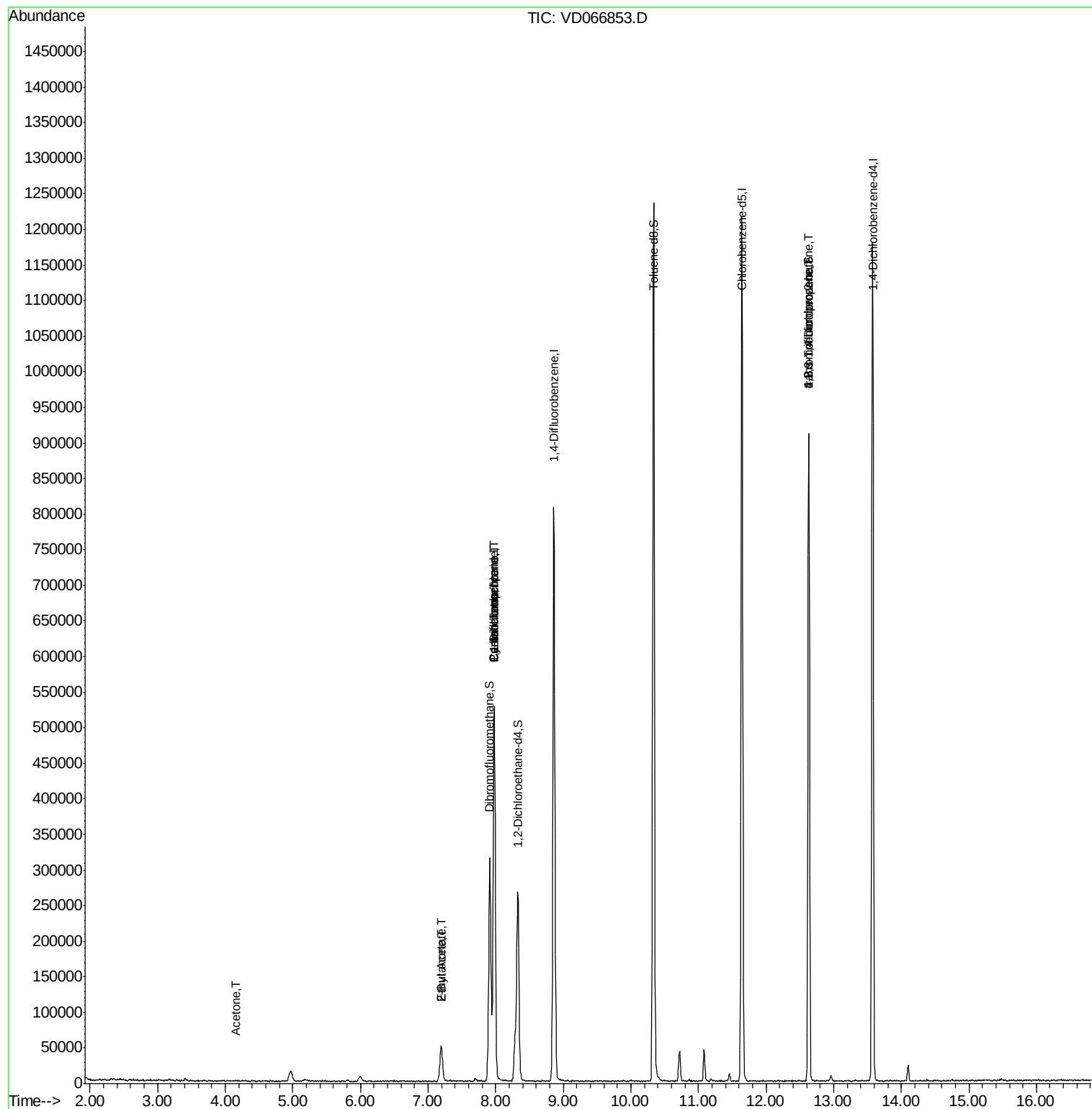
						Qvalue
2) Dichlorodifluoromethane	1.99	85	405	Below Cal	#	46
11) Tert butyl alcohol	5.23	59	89	Below Cal	#	72
16) Acetone	4.17	43	852	1.090	ug/l #	43
18) Methyl Acetate	4.73	43	67	Below Cal	#	50
20) Methylene Chloride	4.97	84	12384	Below Cal	#	76
25) 2-Butanone	7.19	43	2534	2.697	ug/l #	89
31) Cyclohexane	7.97	56	9377	1.399	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32562	4.818	ug/l #	50
37) Ethyl Acetate	7.19	43	2534	1.037	ug/l #	1
38) Carbon Tetrachloride	7.98	117	40072	5.423	ug/l #	19
49) 1,4-Dioxane	9.45	88	65	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.63	75	150330	59.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	150330	147.634	ug/l #	10

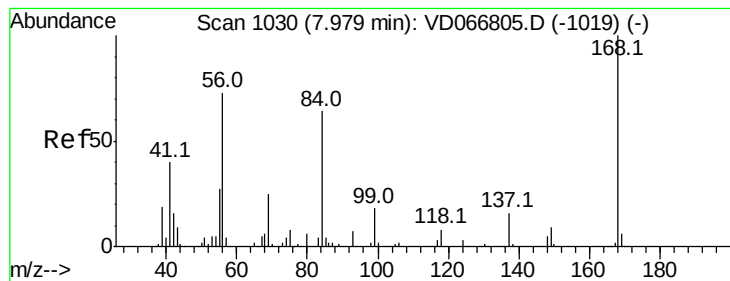
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
Data File : VD066853.D
Acq On : 24 Sep 2020 16:10
Operator : VA/SY
Sample : L4125-10
Misc : 5.06G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CS-28

Quant Time: Sep 25 01:10:14 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: VD066853.D

Acq: 24 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleID :

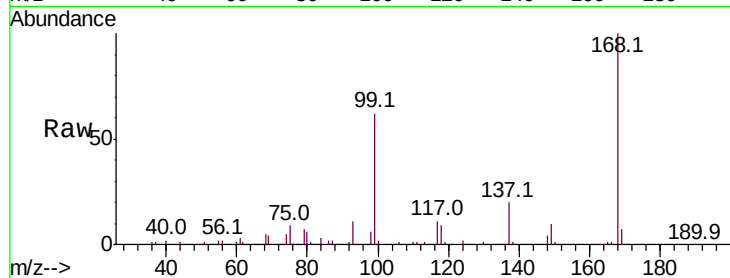
CS-28

Tot Ion:168 Resp: 376618

Ion Ratio Lower Upper

168 100

99 61.9 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

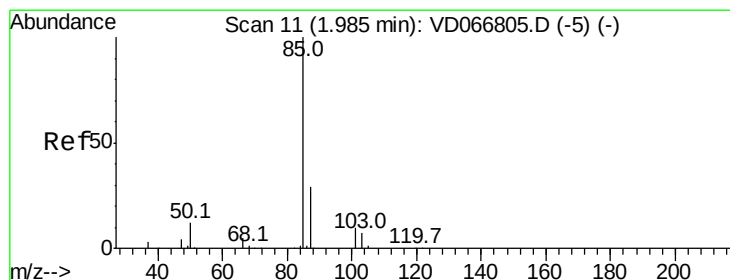
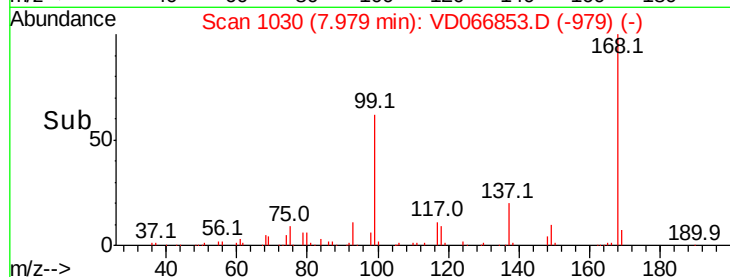
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066853.D

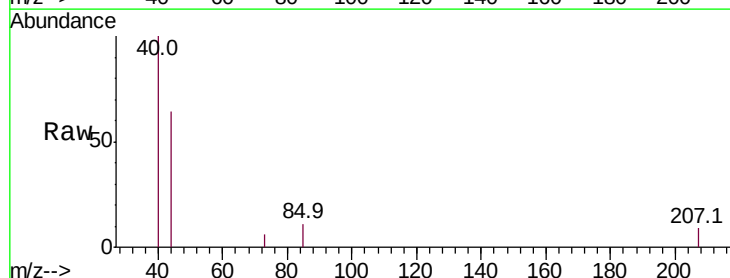
Acq: 24 Sep 2020 16:10

Tgt Ion: 85 Resp: 405

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

1.99

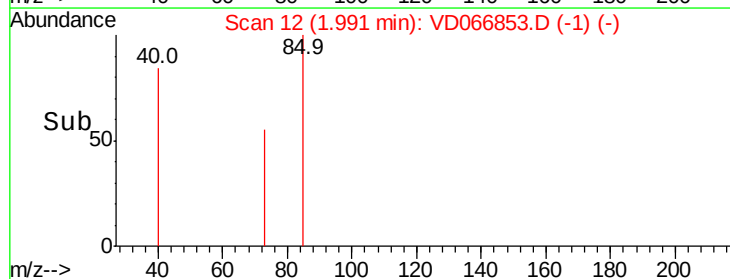
300

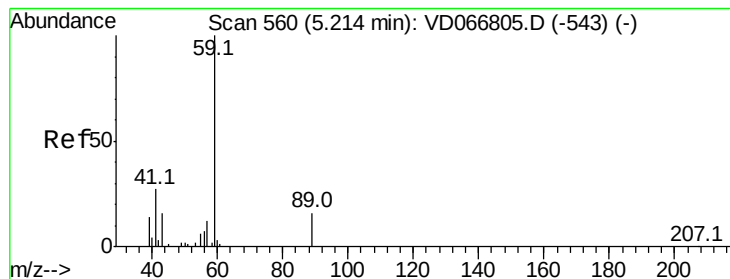
200

100

0

Time-->



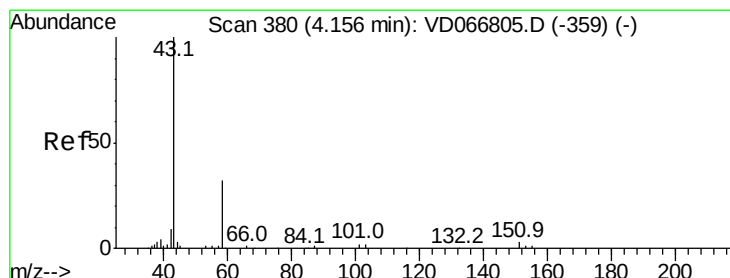
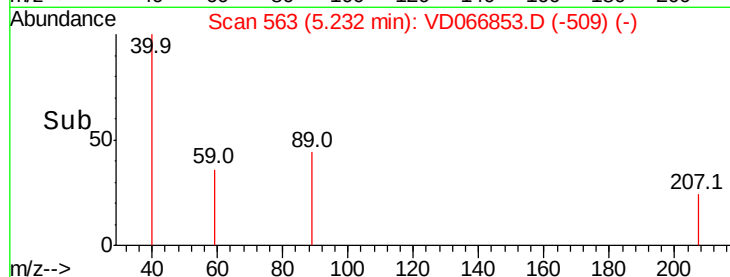
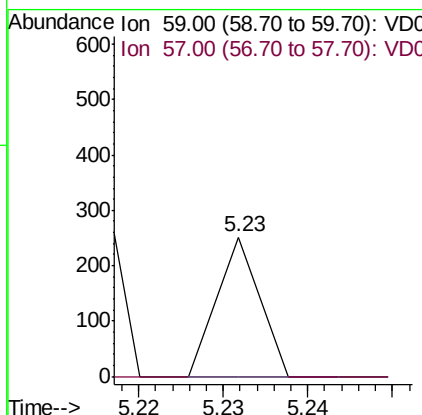
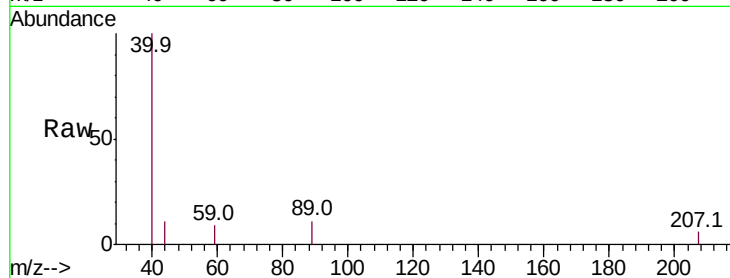


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD066853.D
 Acq: 24 Sep 2020 16:10

Instrument :
 MSVOA_D
 ClientSampled :
 CS-28

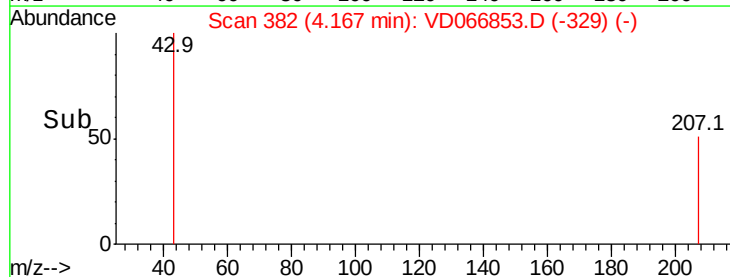
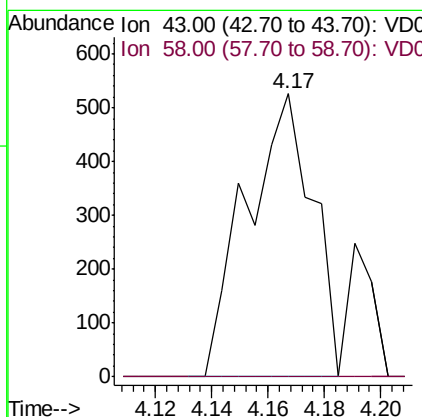
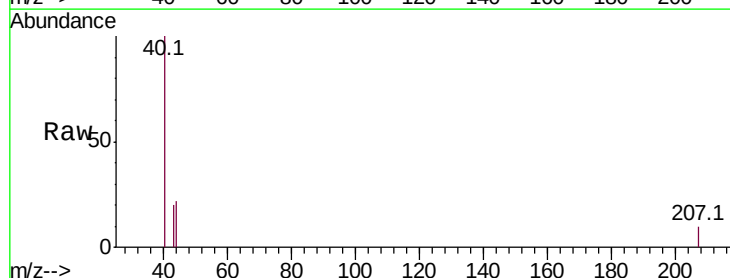
Tot Ion: 59 Resp: 89
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

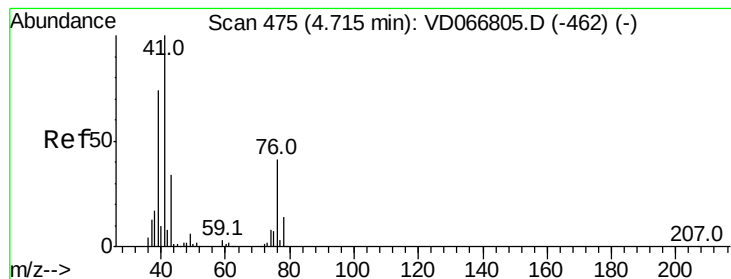


#16

Acetone
 Concen: 1.090 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066853.D
 Acq: 24 Sep 2020 16:10

Tgt Ion: 43 Resp: 852
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleId :

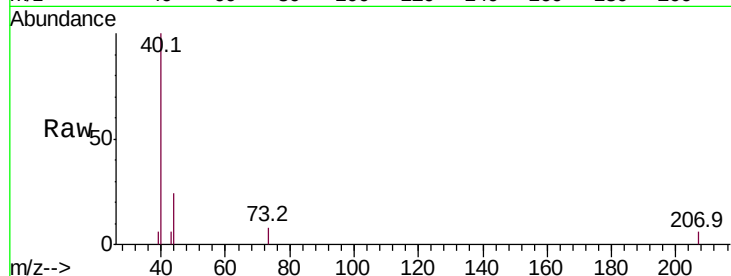
CS-28

Tot Ion: 43 Resp: 67

Ion Ratio Lower Upper

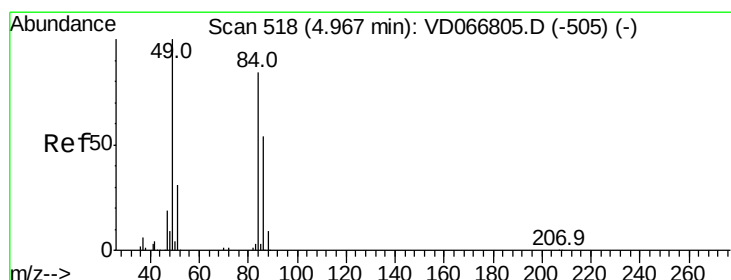
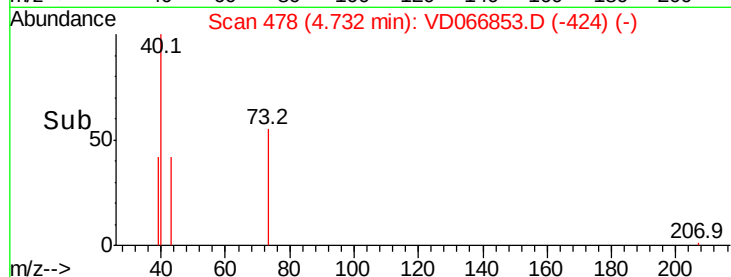
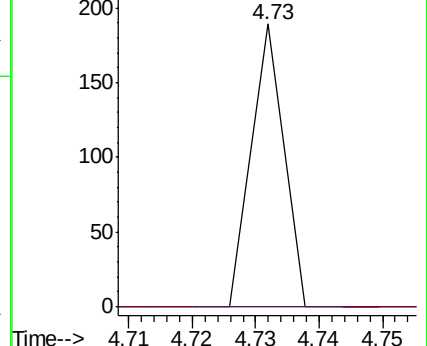
43 100

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# 519

Delta R.T. 0.01 min

Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Tgt Ion: 84 Resp: 12384

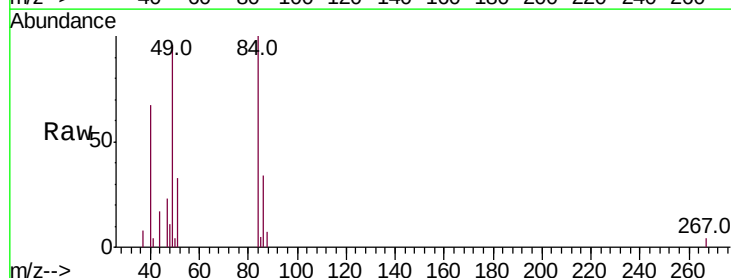
Ion Ratio Lower Upper

84 100

49 95.8 95.4 143.2

51 33.4 29.7 44.5

86 34.4 51.4 77.2#

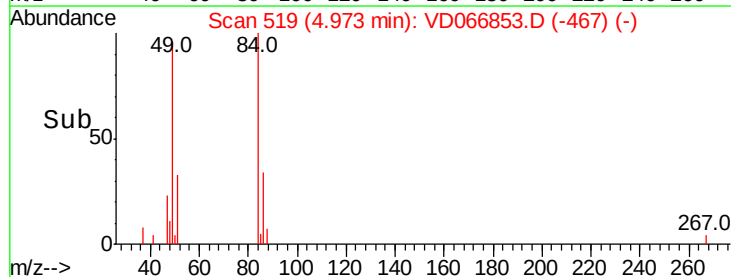
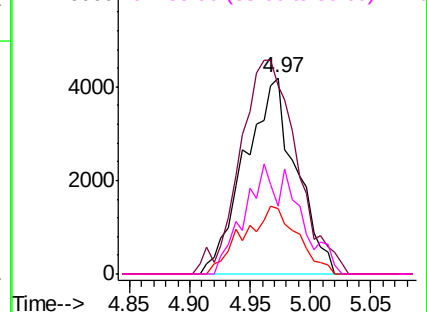


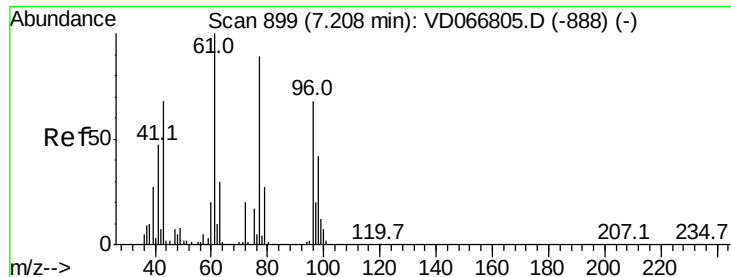
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 2.697 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampled :

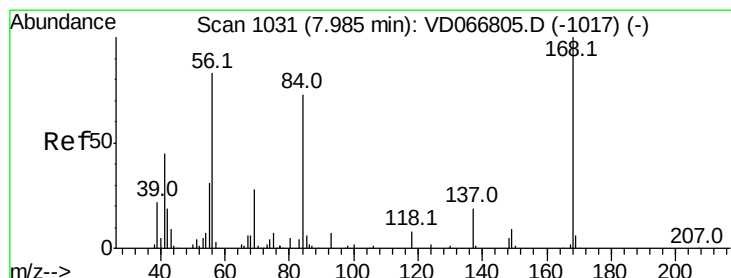
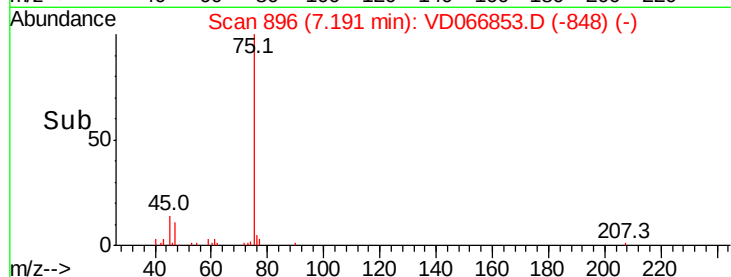
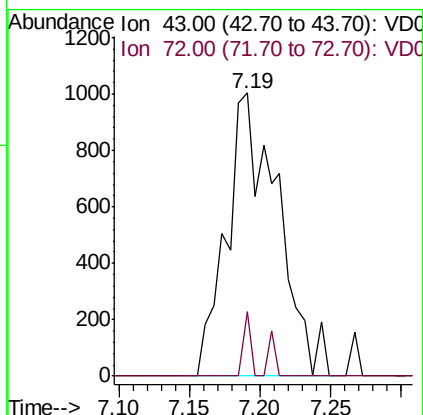
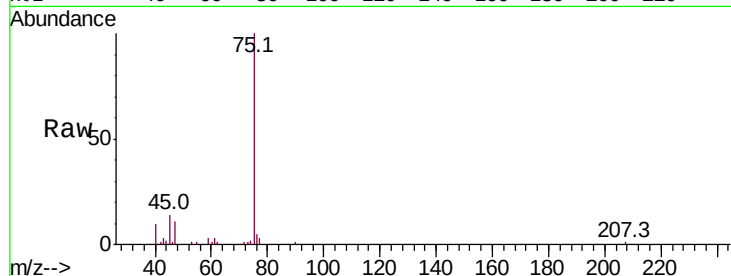
CS-28

Tot Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

72 22.8 22.9 34.3#



#31

Cyclohexane

Concen: 1.399 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

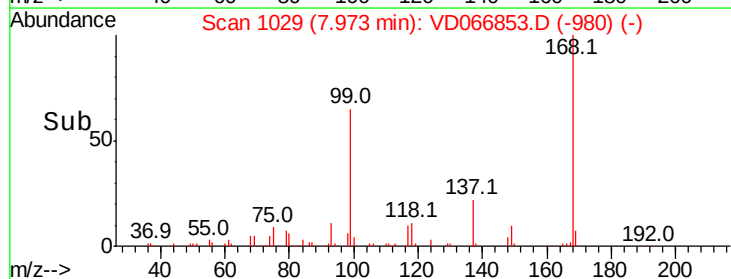
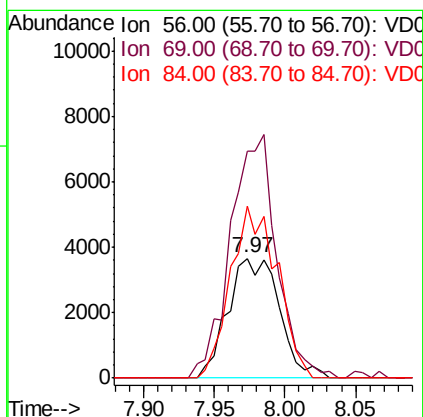
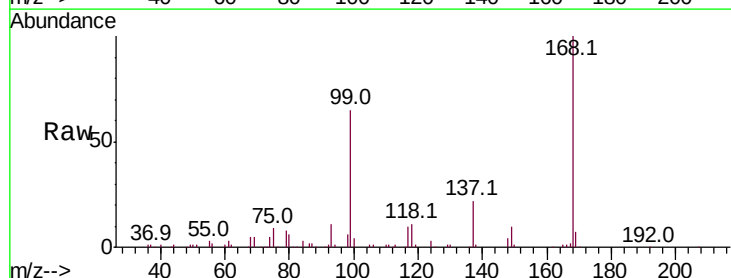
Tgt Ion: 56 Resp: 9377

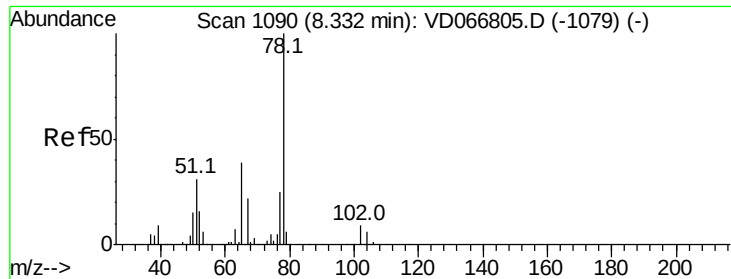
Ion Ratio Lower Upper

56 100

69 189.6 27.0 40.4#

84 143.4 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 56.860 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

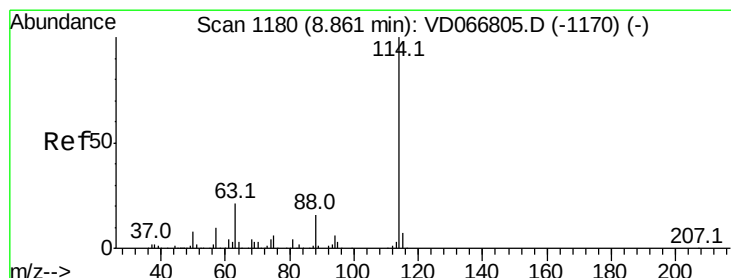
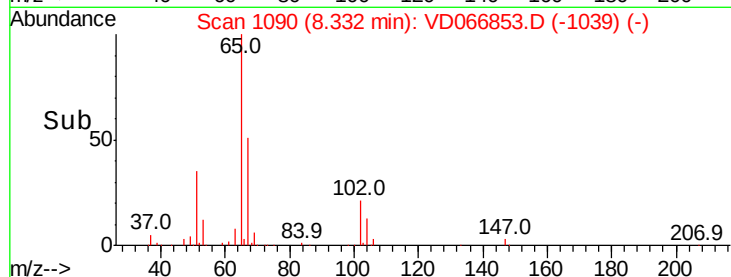
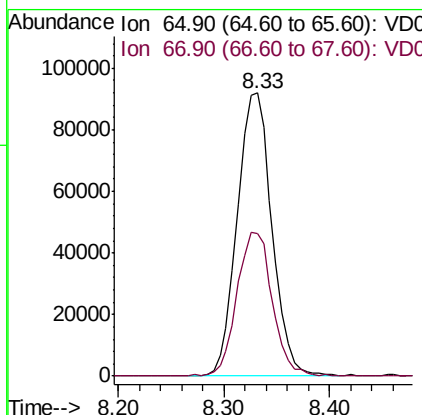
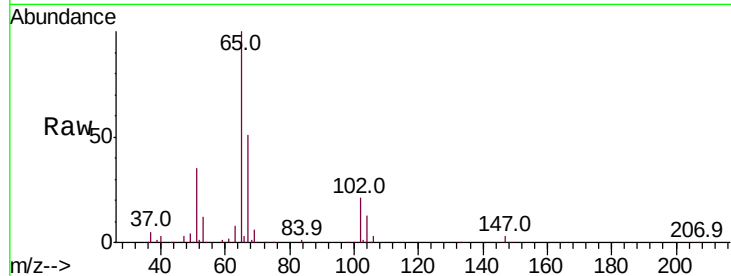
Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Instrument :
MSVOA_D
ClientSampled :
CS-28

Tot Ion: 65 Resp: 209598

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

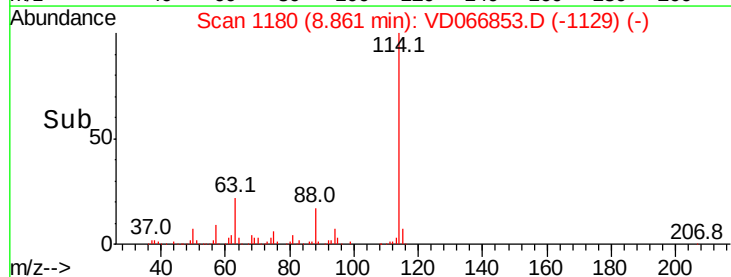
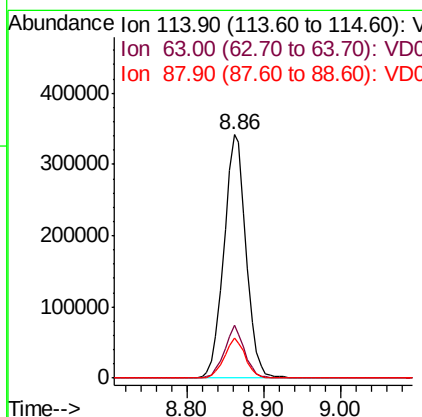
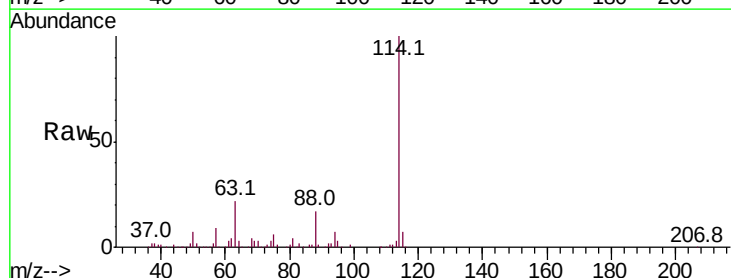
Delta R.T. -0.00 min

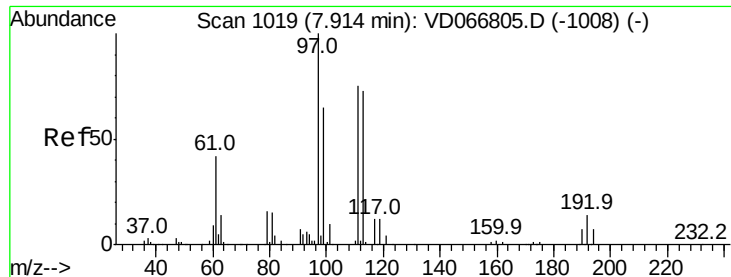
Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Tgt Ion: 114 Resp: 681212

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.6
88	16.6	0.0	32.6

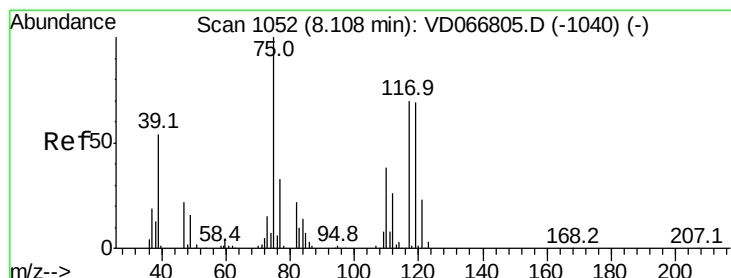
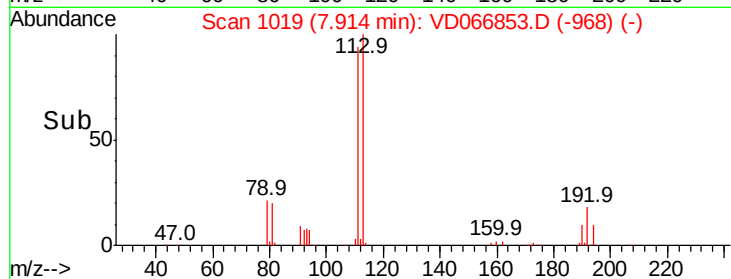
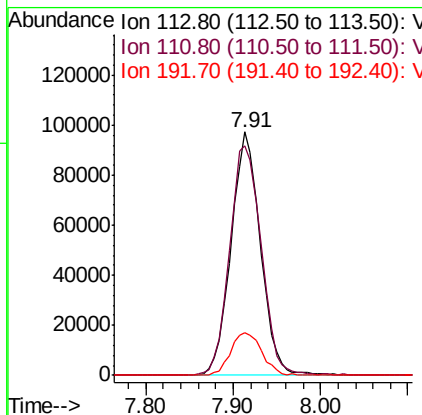
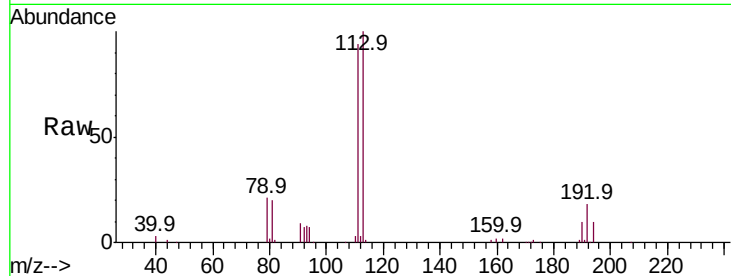




#35
 Dibromofluoromethane
 Concen: 51.004 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066853.D
 Acq: 24 Sep 2020 16:10

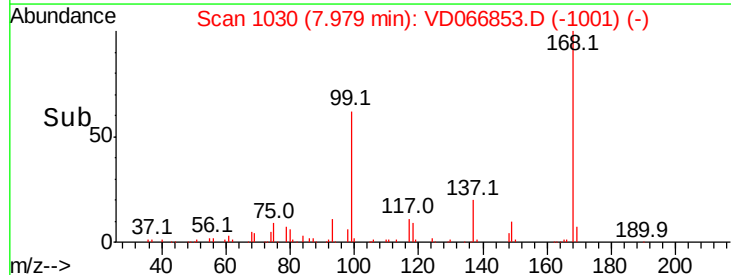
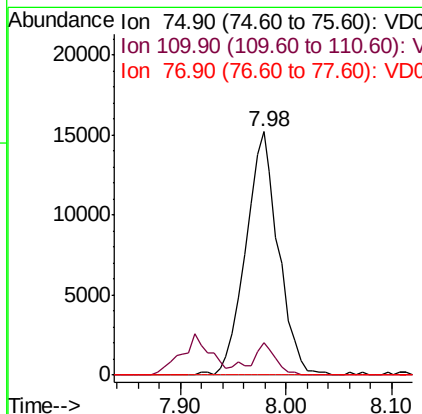
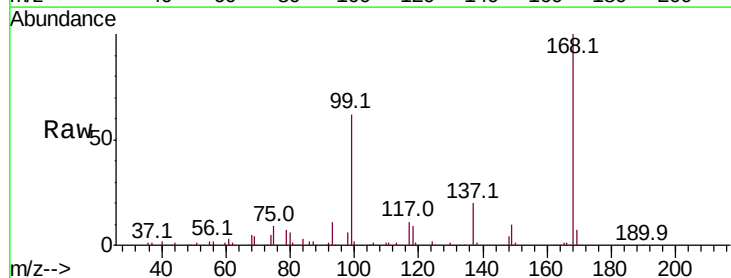
Instrument :
 MSVOA_D
 ClientSampled :
 CS-28

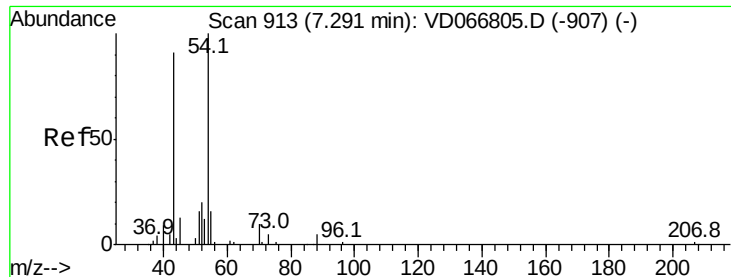
Tot Ion:113 Resp: 221044
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 18.7 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.818 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066853.D
 Acq: 24 Sep 2020 16:10

Tgt Ion: 75 Resp: 32562
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.9 53.8#
 77 0.0 25.0 37.6#

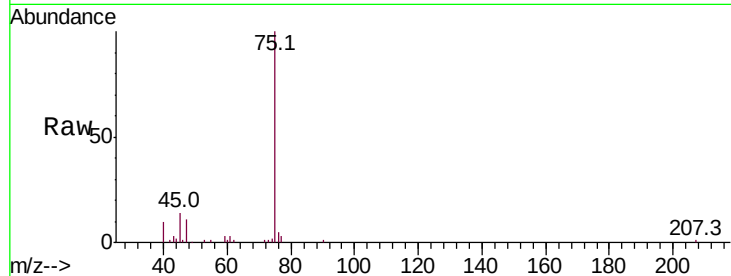




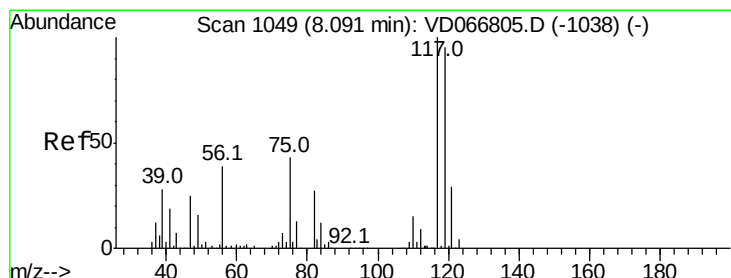
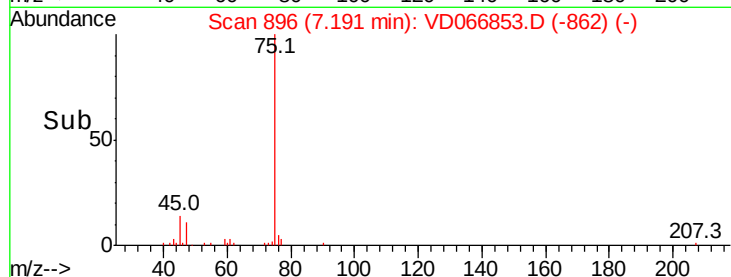
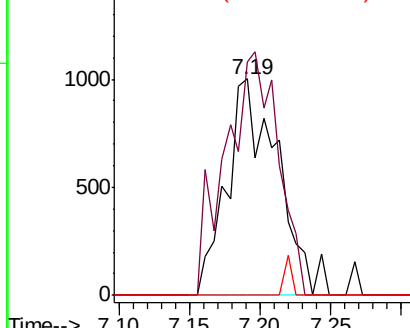
#37
Ethyl Acetate
Concen: 1.037 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.10 min
Lab File: VD066853.D
Acq: 24 Sep 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :
CS-28

Tot Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
61 115.9 9.8 14.8#
70 0.0 8.5 12.7#

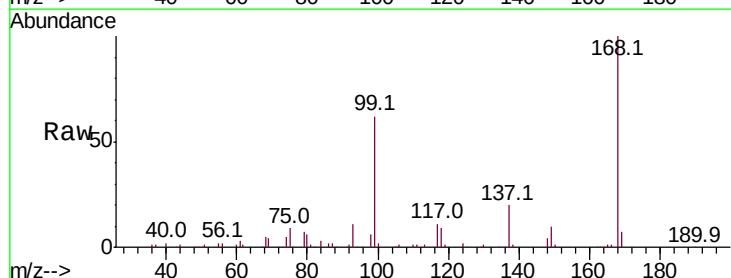


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

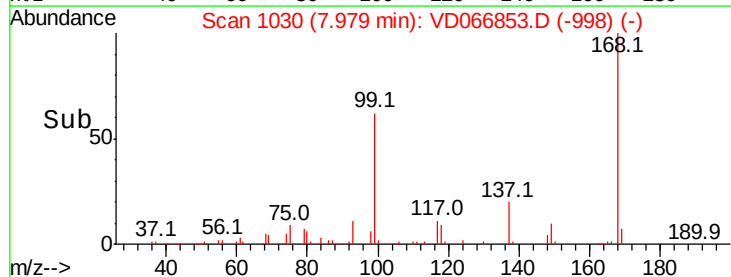
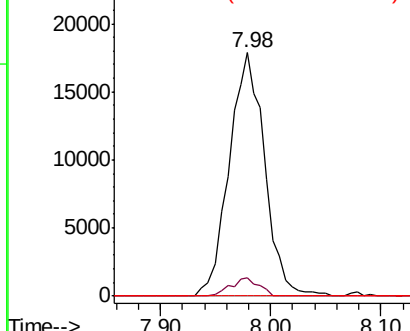


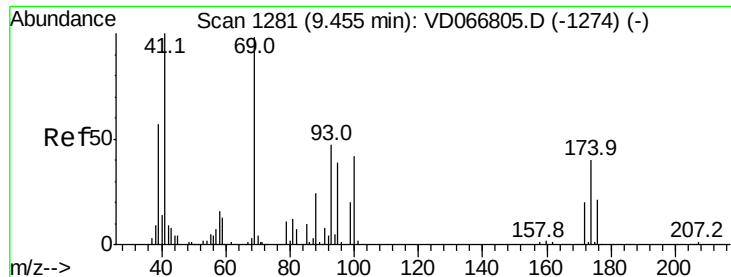
#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066853.D
Acq: 24 Sep 2020 16:10

Tgt Ion: 117 Resp: 40072
Ion Ratio Lower Upper
117 100
119 7.7 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





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleId :

CS-28

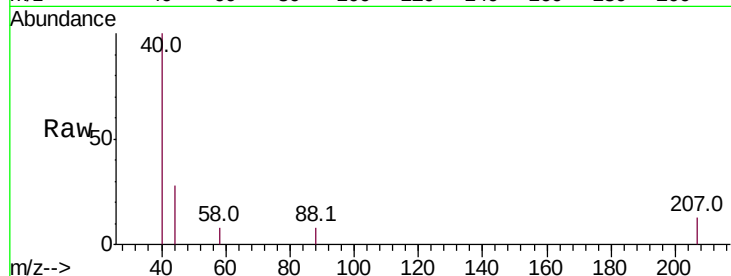
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

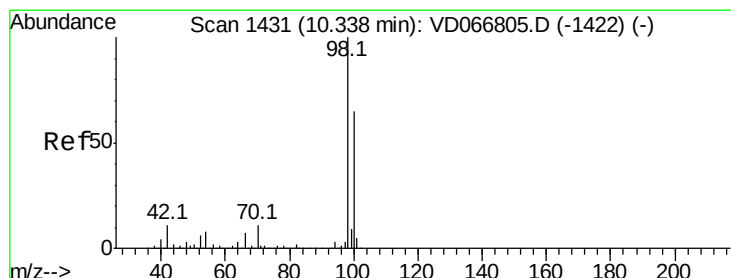
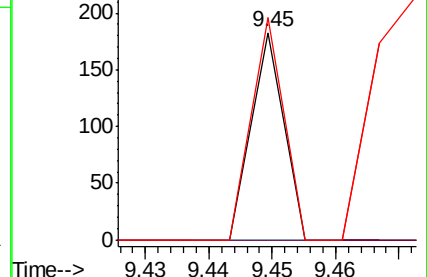
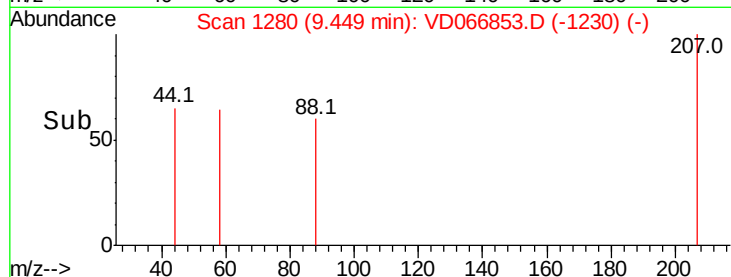
58 106.2 55.5 83.3#



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



#50

Toluene-d8

Concen: 55.943 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066853.D

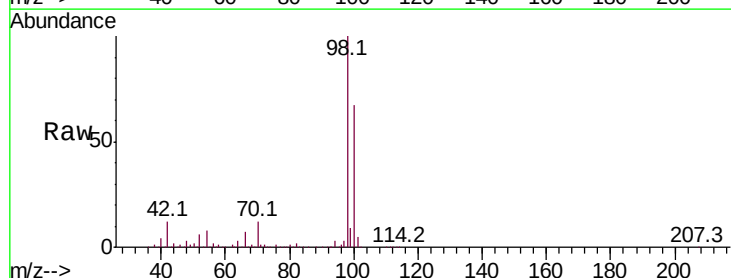
Acq: 24 Sep 2020 16:10

Tgt Ion: 98 Resp: 826075

Ion Ratio Lower Upper

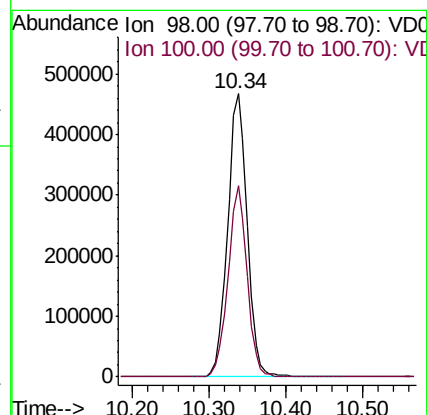
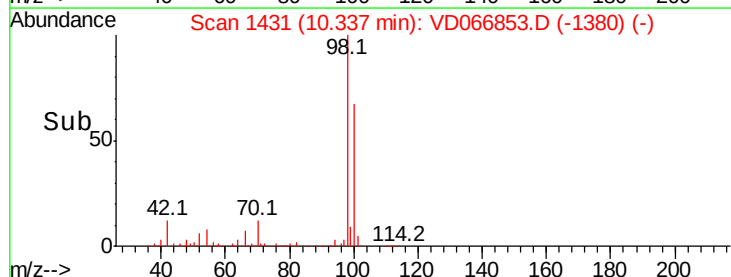
98 100

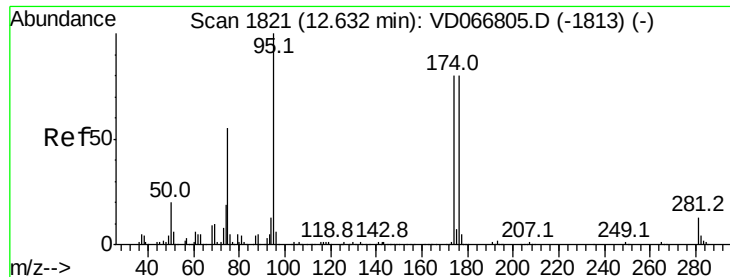
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

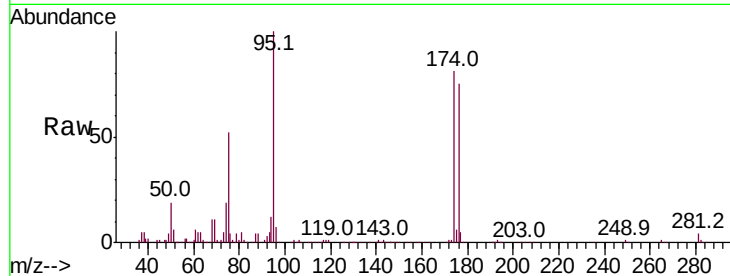




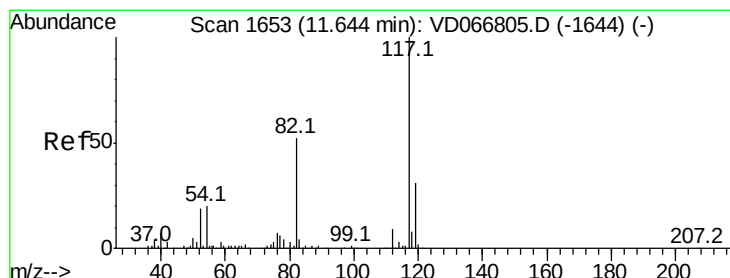
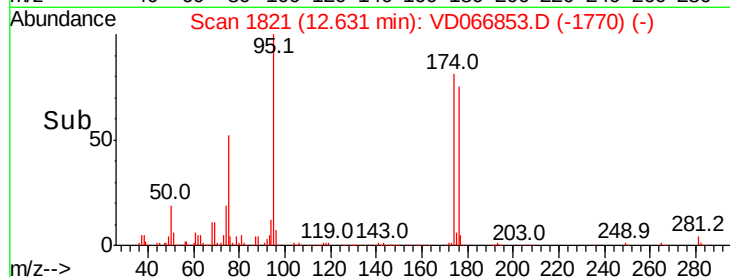
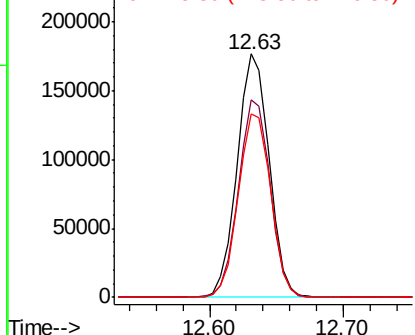
#62
4-Bromofluorobenzene
Concen: 57.674 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066853.D
Acq: 24 Sep 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :
CS-28

Tot Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	159.8
176	76.7	0.0	154.4

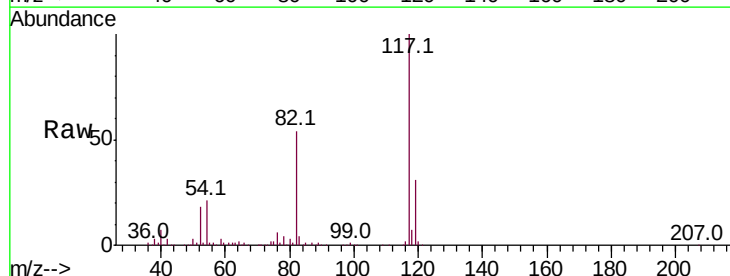


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

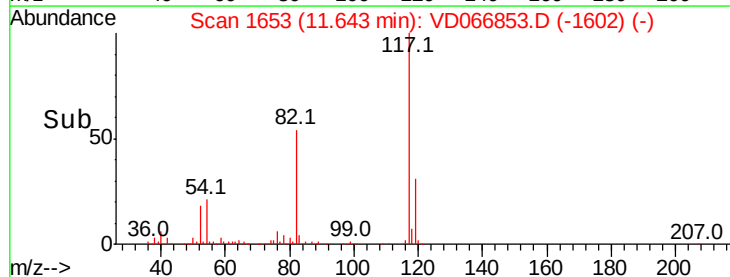
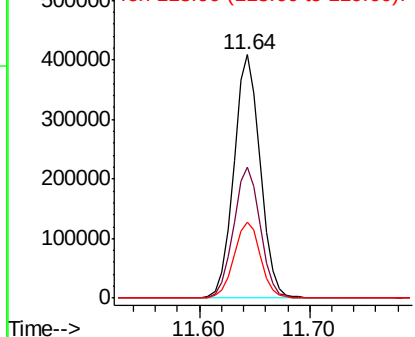


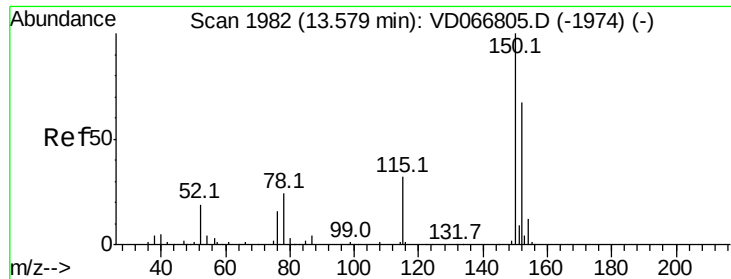
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066853.D
Acq: 24 Sep 2020 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.6
119	31.4	24.6	37.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

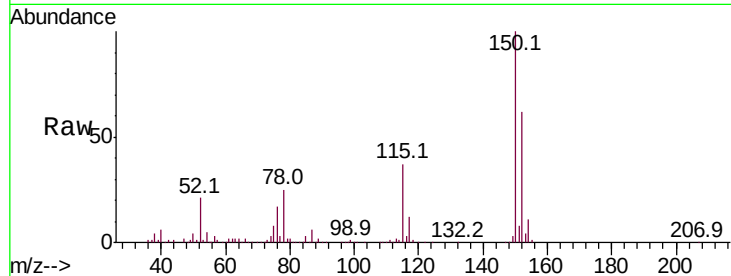




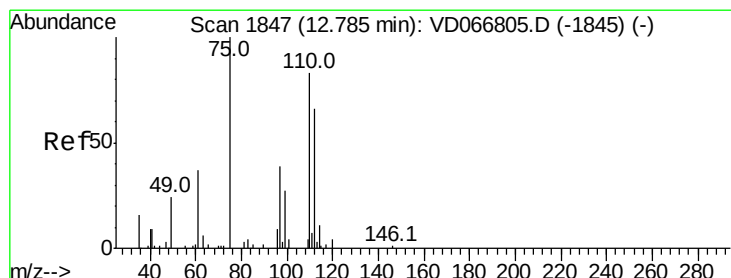
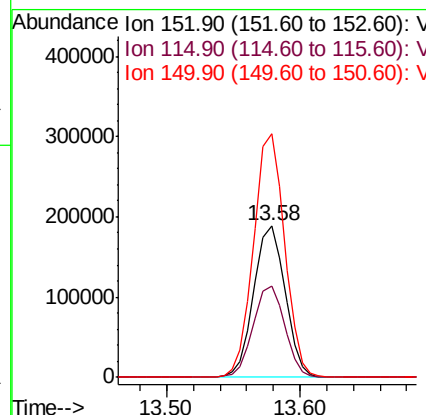
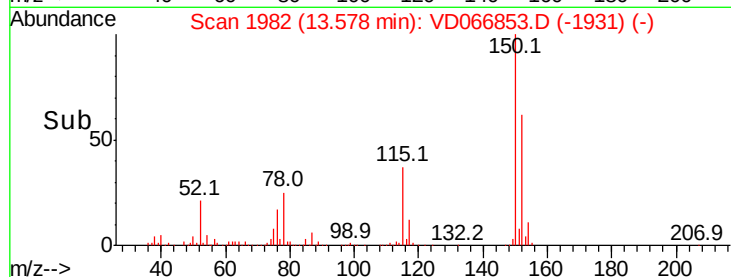
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066853.D
 Acq: 24 Sep 2020 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-28

Tot Ion:152 Resp: 307413
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.3 91.0
 150 158.2 0.0 346.2

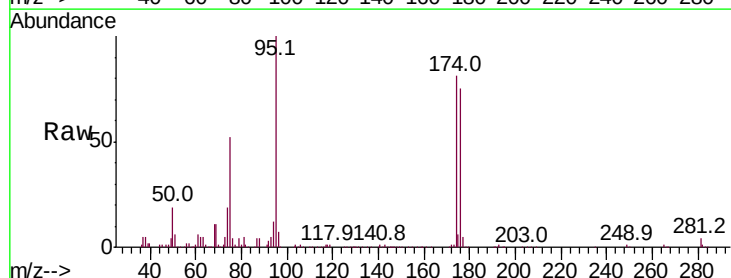


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

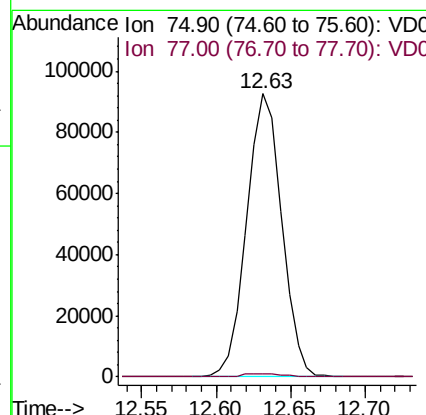
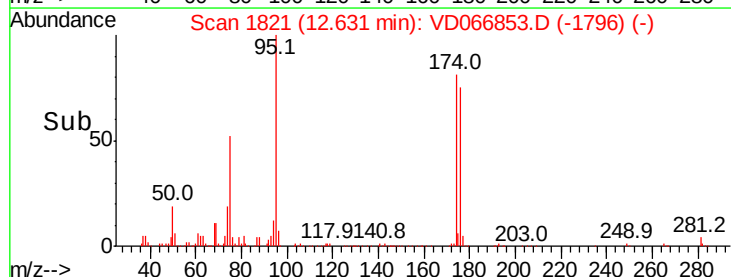


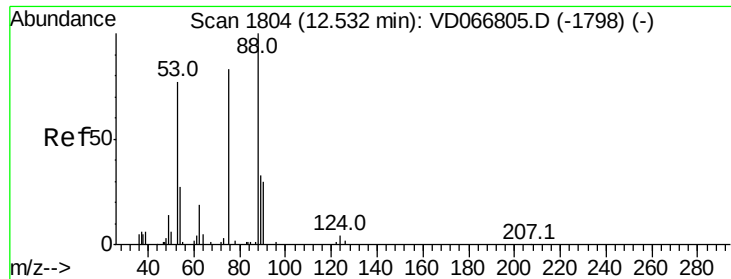
#76
 1,2,3-Trichloropropane
 Concen: 59.009 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066853.D
 Acq: 24 Sep 2020 16:10

Tgt Ion: 75 Resp: 150330
 Ion Ratio Lower Upper
 75 100
 77 1.3 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: 147.634 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066853.D

Acq: 24 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleId :

CS-28

Tot Ion: 75 Resp: 150330

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#

