

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066846.D
 Acq On : 24 Sep 2020 12:58
 Operator : VA/SY
 Sample : L4125-03
 Misc : 5.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-21

Quant Time: Sep 25 01:09:21 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	408546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	734015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	729037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332683	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	222905	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	7.91	113	230345	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.34	98	879086	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
62) 4-Bromofluorobenzene	12.63	95	312595	57.39	ug/l	0.00
Spiked Amount			Recovery	=	114.78%	

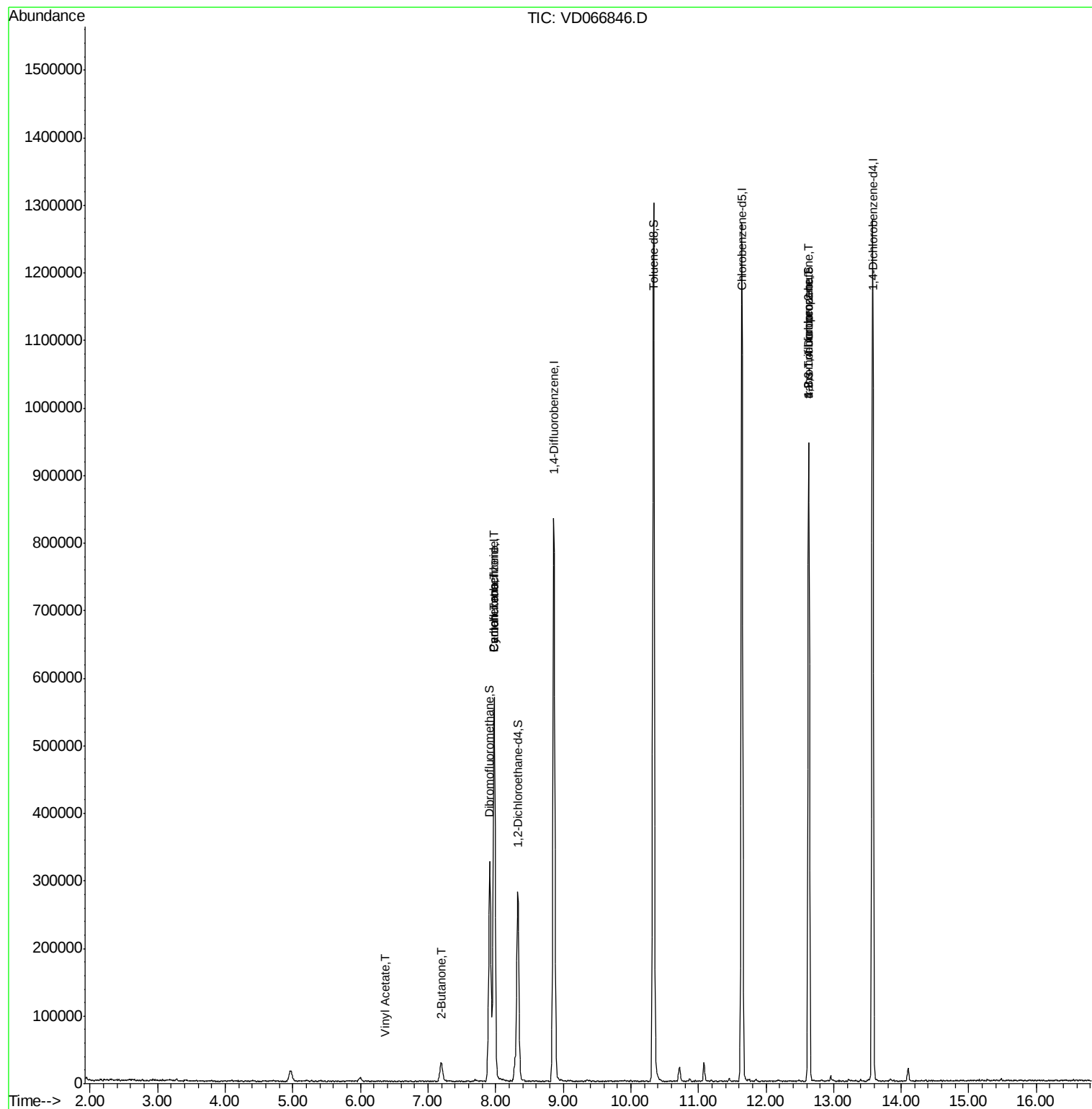
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	711	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	115	Below Cal	#	72
18) Methyl Acetate	4.53	43	150	Below Cal	#	50
20) Methylene Chloride	4.96	84	12334	Below Cal	#	79
23) Vinyl Acetate	6.36	43	70	2.682	ug/l #	71
25) 2-Butanone	7.20	43	1070	1.050	ug/l	90
31) Cyclohexane	7.98	56	9972	1.372	ug/l #	31
38) Carbon Tetrachloride	7.98	117	43401	5.451	ug/l #	15
49) 1,4-Dioxane	9.70	88	59	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	158815	57.604	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	158815	144.120	ug/l #	10

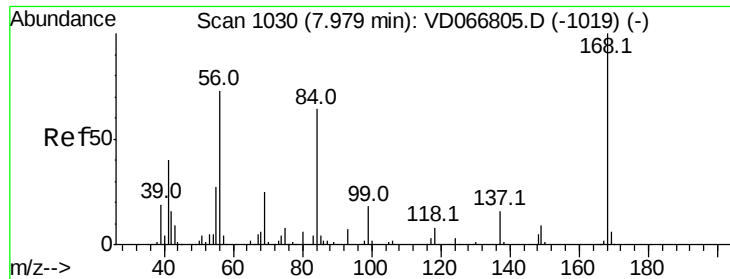
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
Data File : VD066846.D
Acq On : 24 Sep 2020 12:58
Operator : VA/SY
Sample : L4125-03
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CS-21

Quant Time: Sep 25 01:09:21 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: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampled :

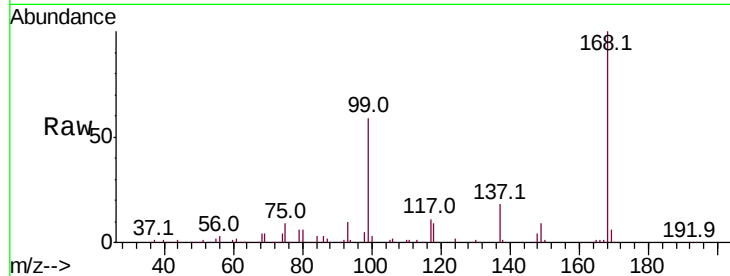
CS-21

Tot Ion:168 Resp: 408546

Ion Ratio Lower Upper

168 100

99 58.9 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

200000

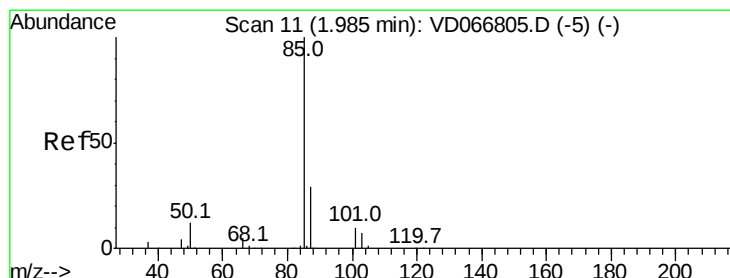
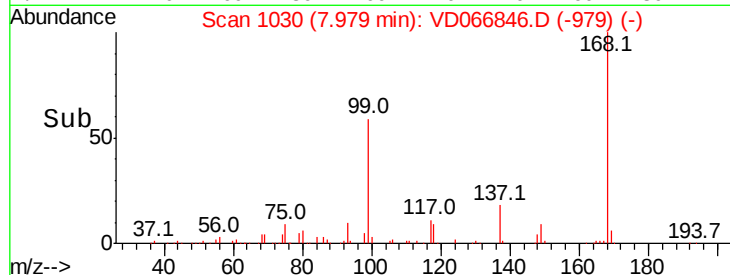
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066846.D

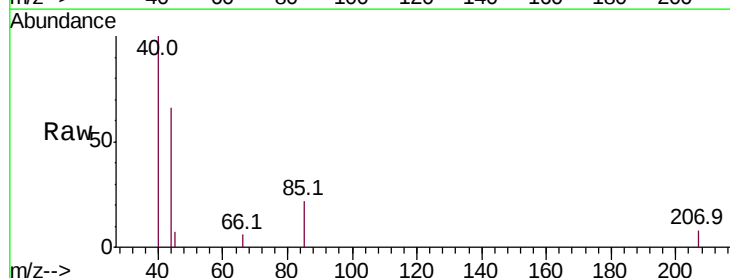
Acq: 24 Sep 2020 12:58

Tgt Ion: 85 Resp: 711

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

1.98

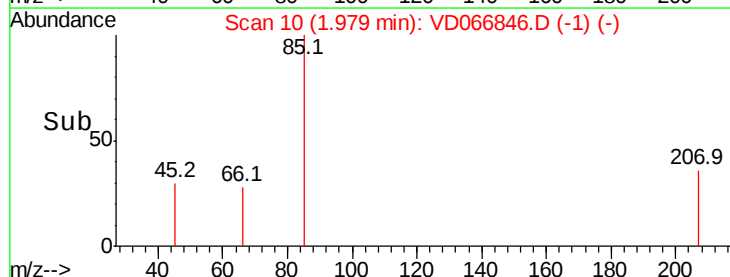
600

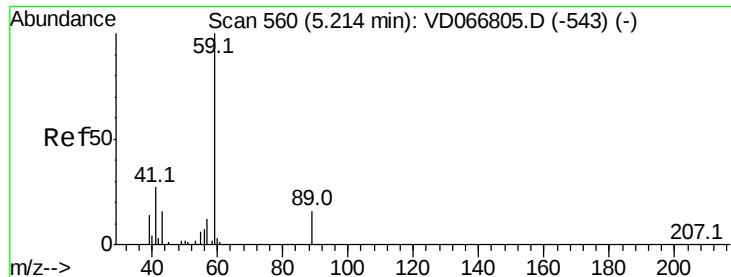
400

200

0

Time-->



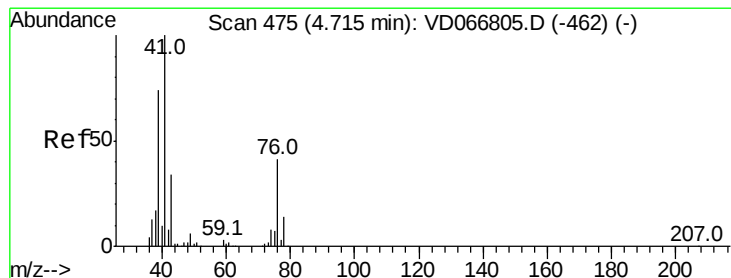
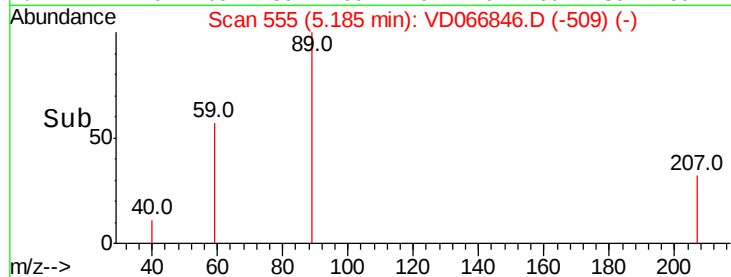
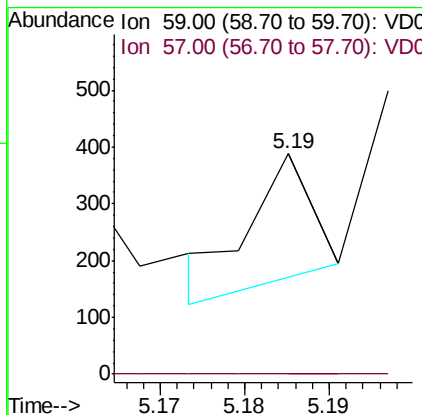
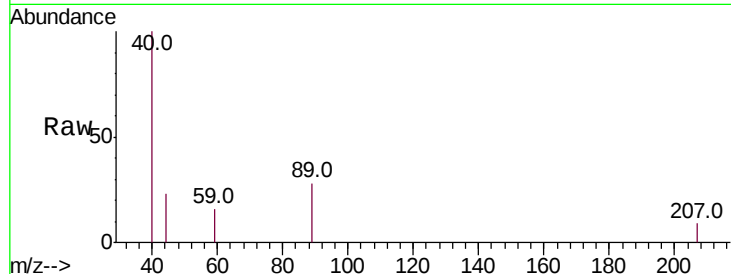


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066846.D
 Acq: 24 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleID :
 CS-21

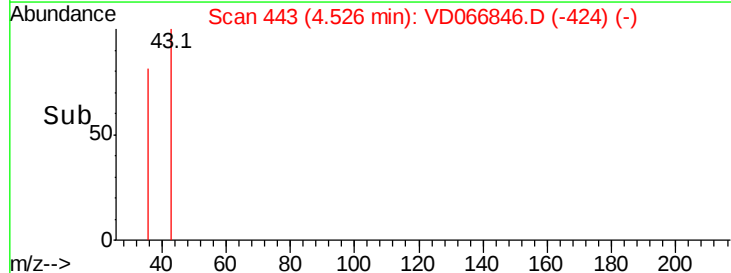
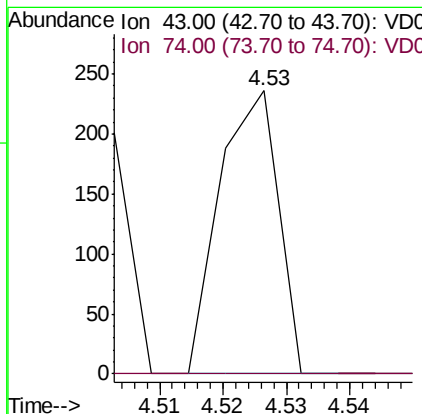
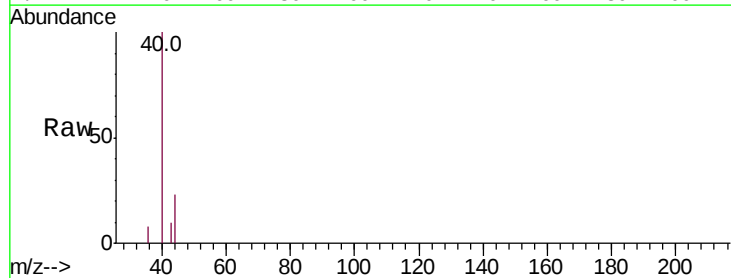
Tot Ion: 59 Resp: 115
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

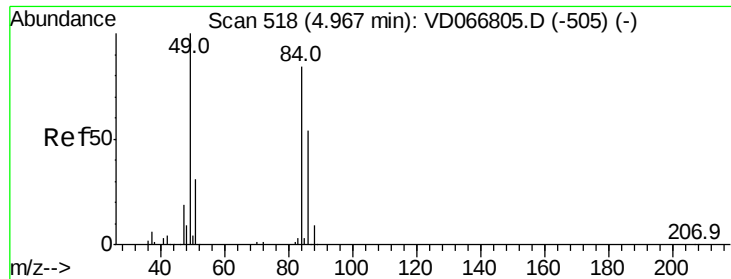


#18

Methyl Acetate
 Concen: Below Cal
 RT: 4.53 min Scan# 443
 Delta R.T. -0.19 min
 Lab File: VD066846.D
 Acq: 24 Sep 2020 12:58

Tgt Ion: 43 Resp: 150
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.3 30.5#



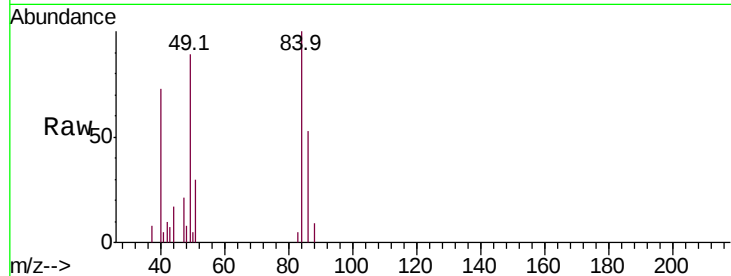


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD066846.D
 Acq: 24 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-21

Tot Ion	84	Resp	12334
Ion Ratio	Lower	Upper	
84	100		
49	89.4	95.4	143.2#
51	30.0	29.7	44.5
86	53.2	51.4	77.2



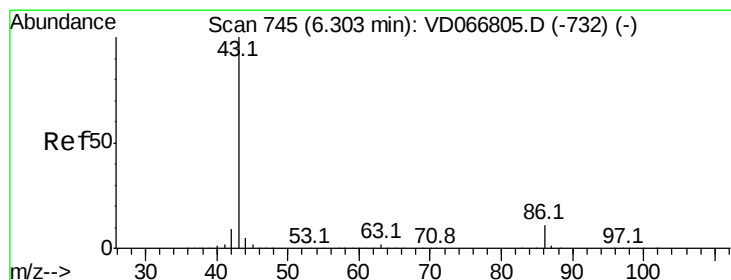
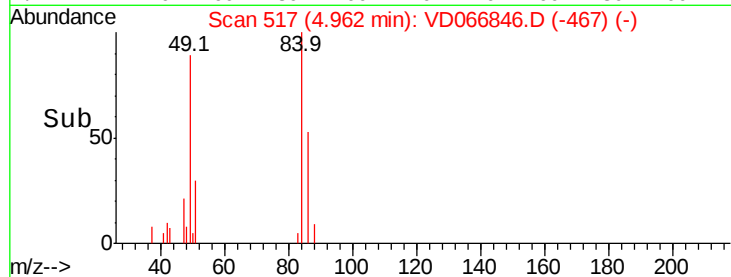
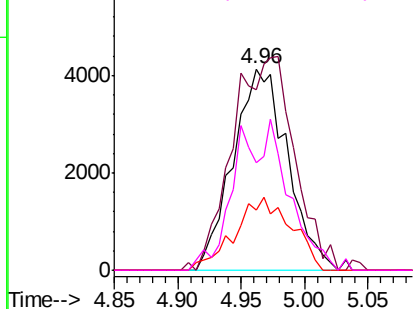
Abundance

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

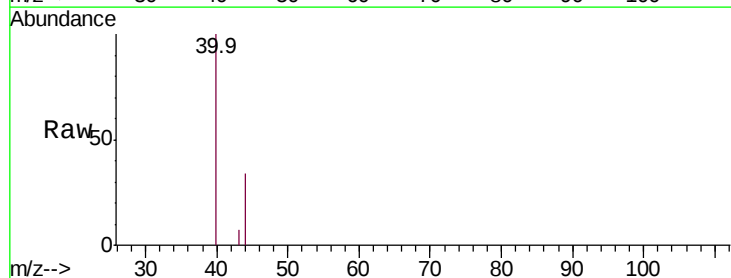
Ion 85.90 (85.60 to 86.60): VDC



#23

Vinyl Acetate
 Concen: 2.682 ug/l
 RT: 6.36 min Scan# 755
 Delta R.T. 0.06 min
 Lab File: VD066846.D
 Acq: 24 Sep 2020 12:58

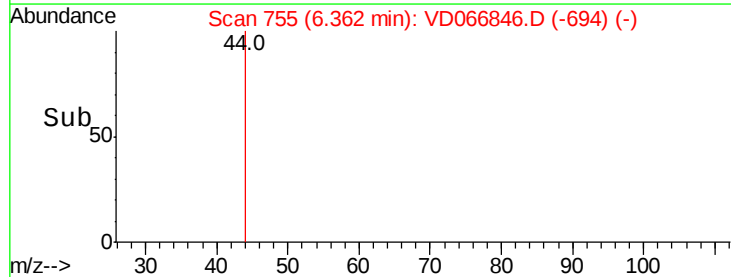
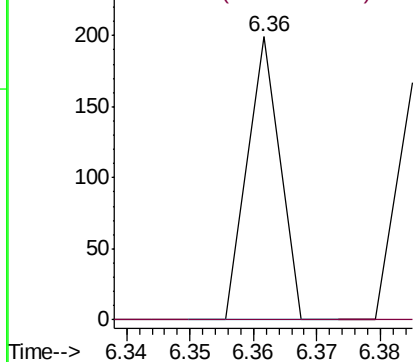
Tgt Ion	43	Resp	70
Ion Ratio	Lower	Upper	
43	100		
86	0.0	8.9	13.3#

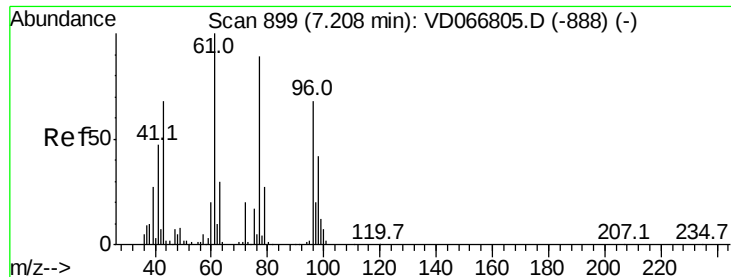


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 1.050 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampled :

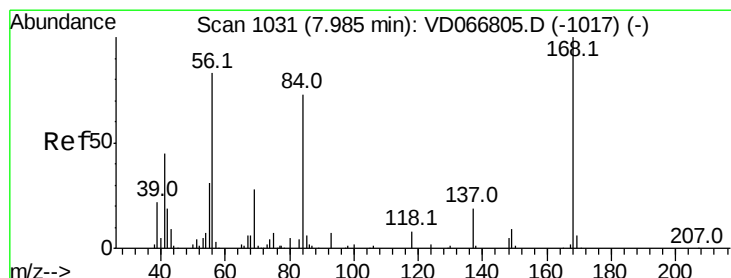
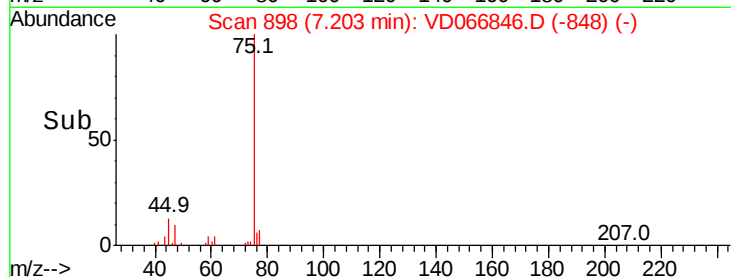
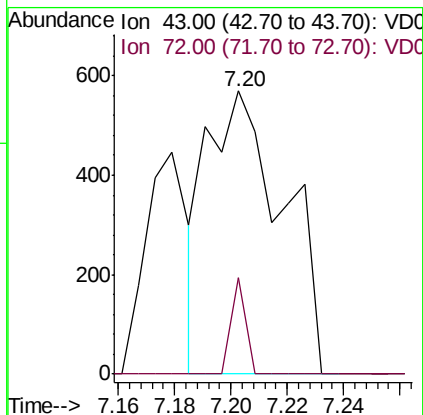
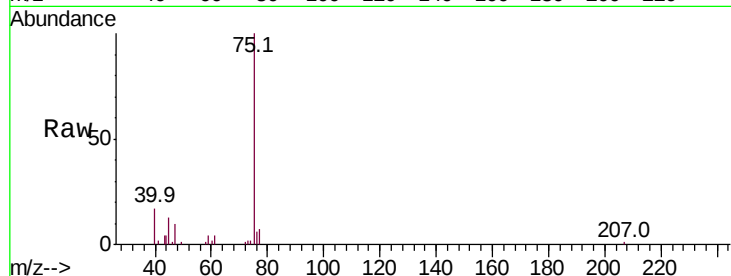
CS-21

Tot Ion: 43 Resp: 1070

Ion Ratio Lower Upper

43 100

72 33.9 22.9 34.3



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

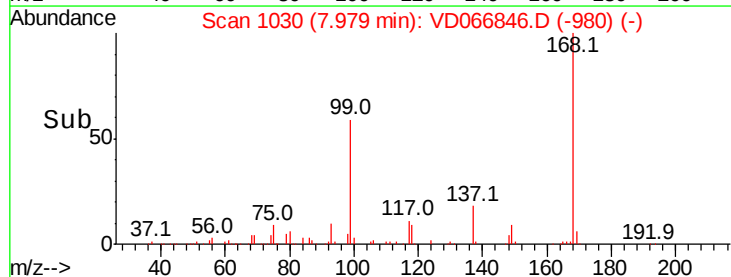
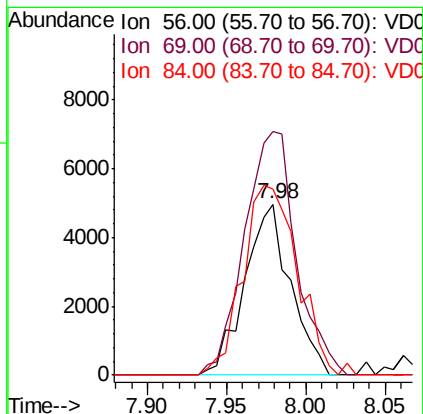
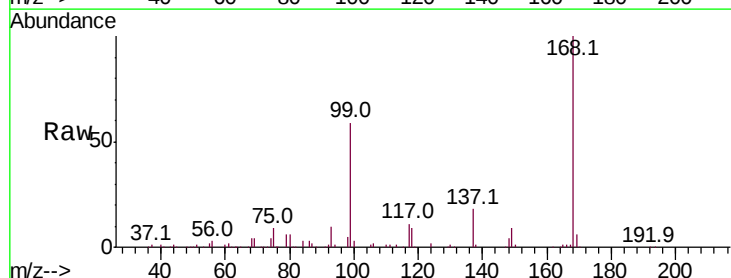
Tgt Ion: 56 Resp: 9972

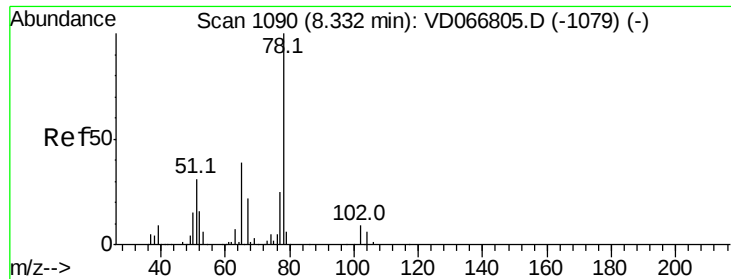
Ion Ratio Lower Upper

56 100

69 142.7 27.0 40.4#

84 108.9 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 55.745 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

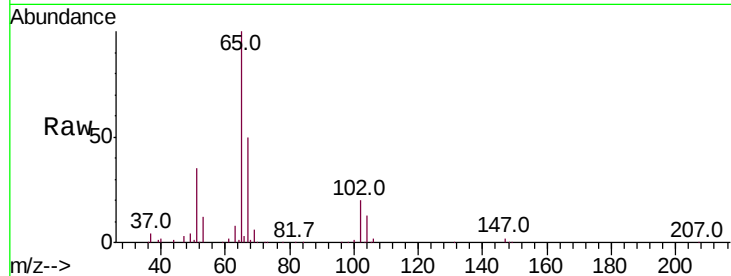
CS-21

Tot Ion: 65 Resp: 222905

Ion Ratio Lower Upper

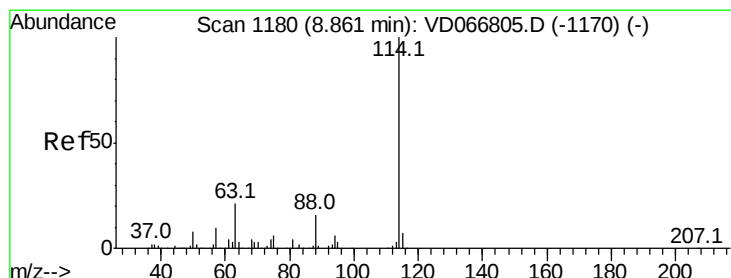
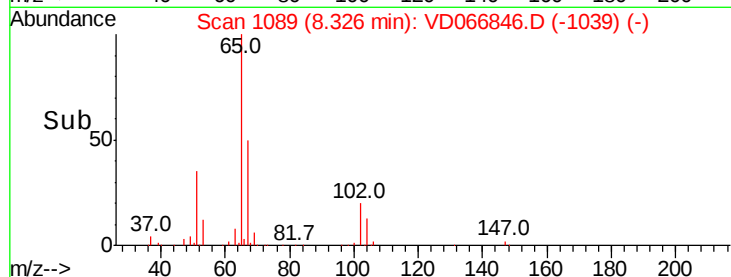
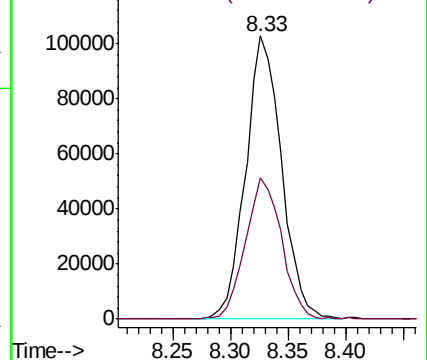
65 100

67 50.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

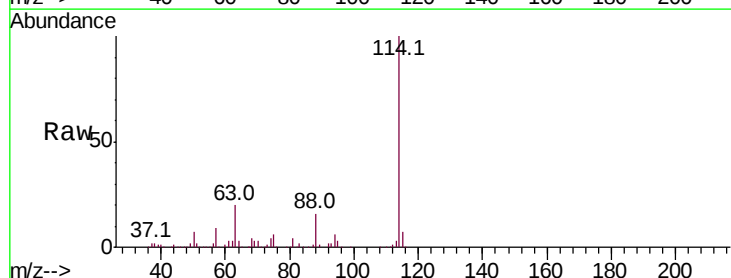
Tgt Ion: 114 Resp: 734015

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

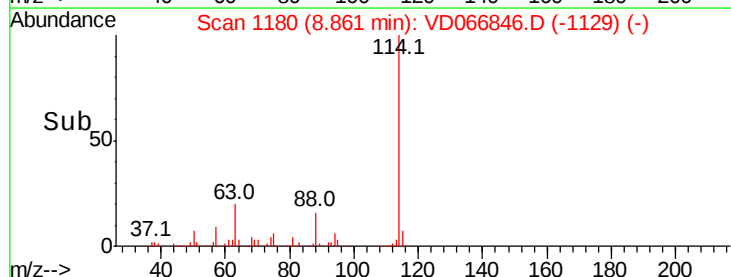
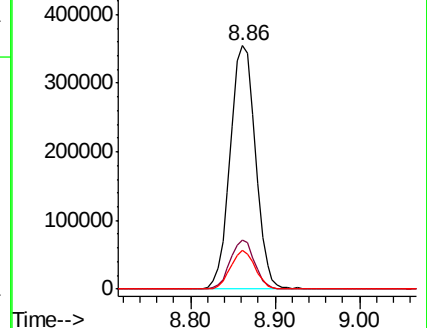
88 15.7 0.0 32.6

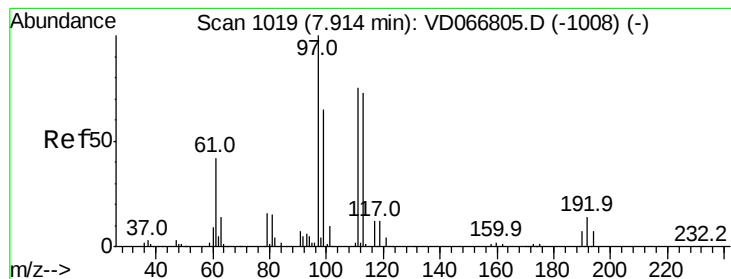


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.327 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

CS-21

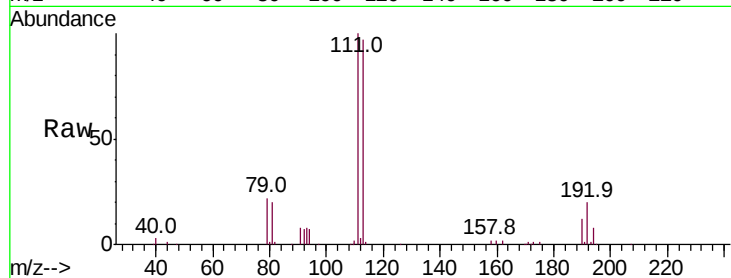
Tot Ion:113 Resp: 230345

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

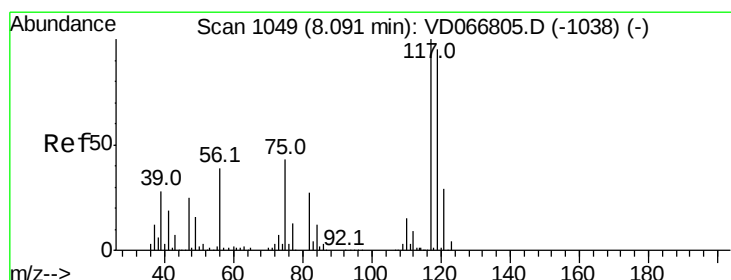
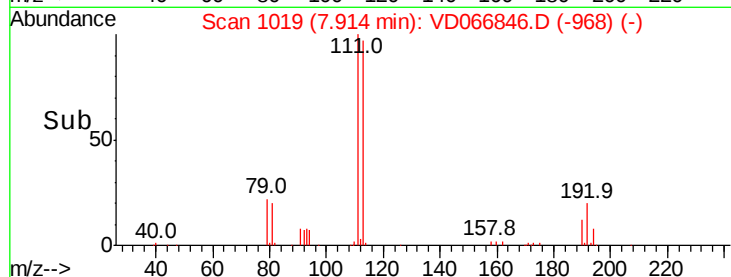
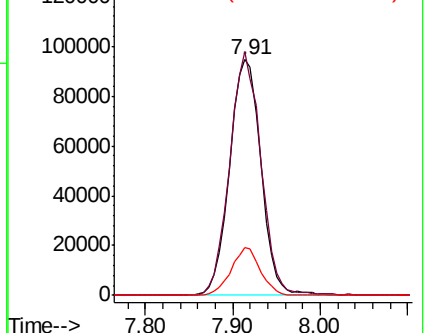
192 18.8 14.4 21.6



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



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

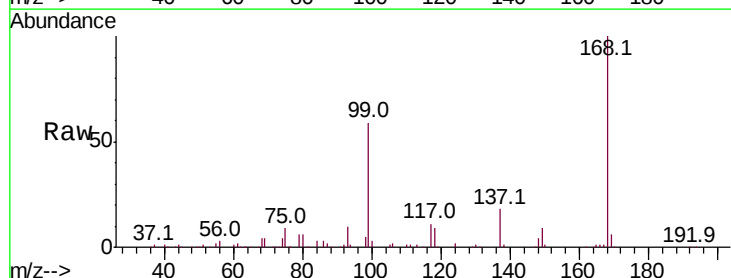
Tgt Ion:117 Resp: 43401

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

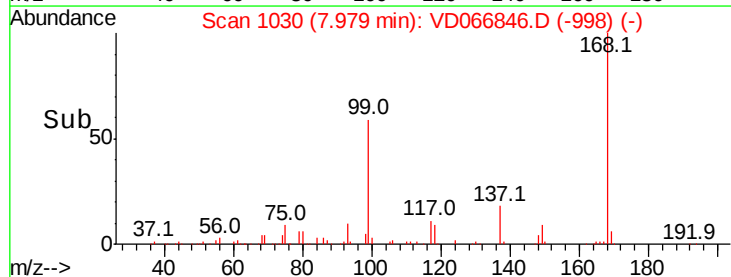
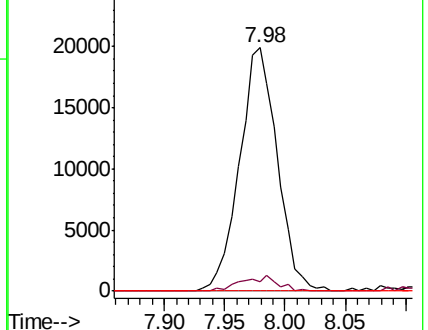
121 0.0 23.4 35.0#

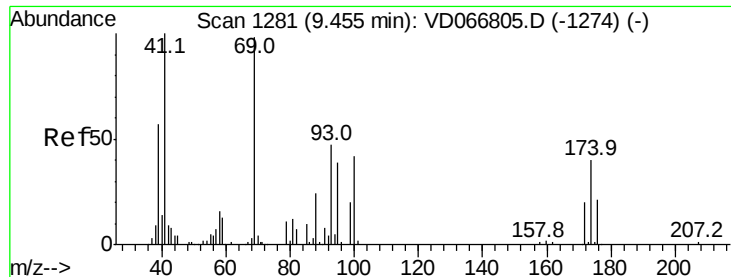


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

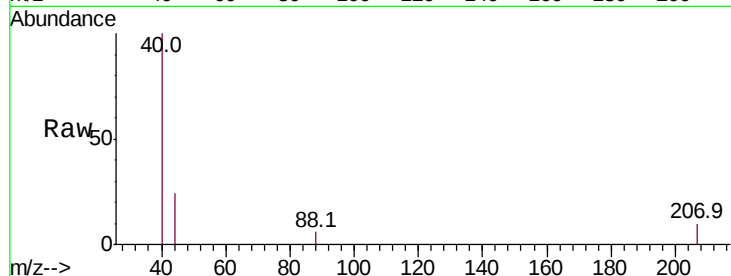




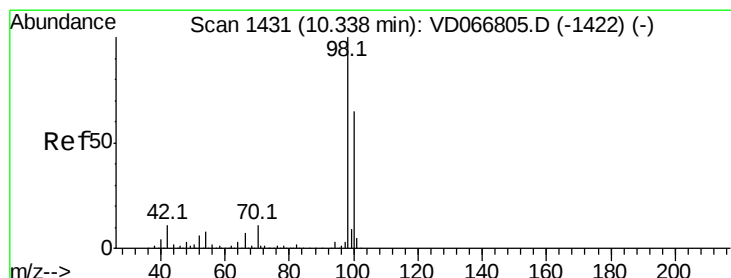
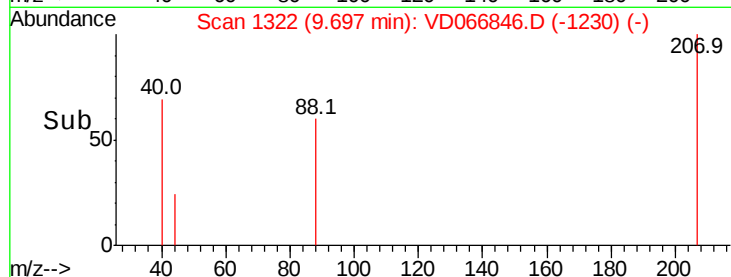
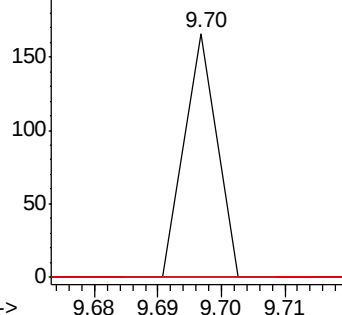
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.70 min Scan# 1322
Delta R.T. 0.24 min
Lab File: VD066846.D
Acq: 24 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
CS-21

Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 55.5 83.3#

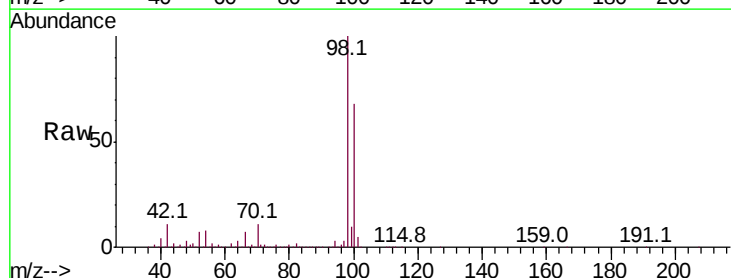


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

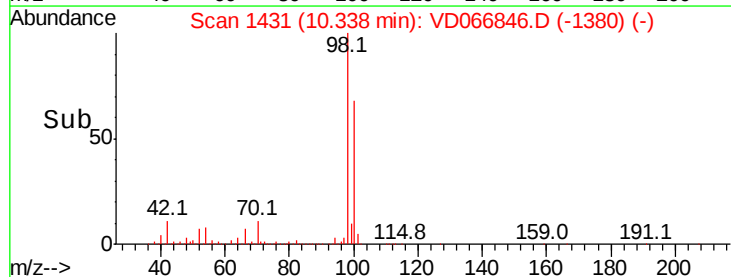
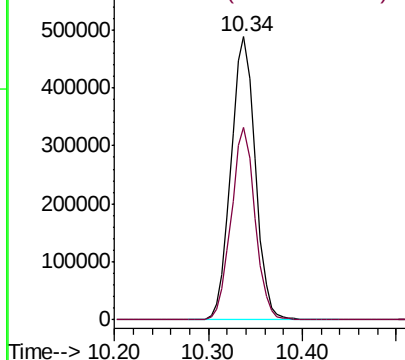


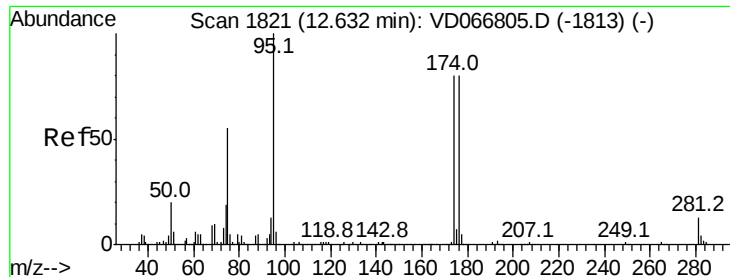
#50
Toluene-d8
Concen: 55.251 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066846.D
Acq: 24 Sep 2020 12:58

Tgt Ion: 98 Resp: 879086
Ion Ratio Lower Upper
98 100
100 66.3 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: 57.390 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

CS-21

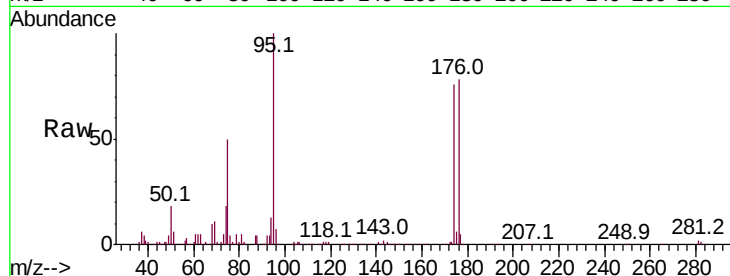
Tot Ion: 95 Resp: 312595

Ion Ratio Lower Upper

95 100

174 76.9 0.0 159.8

176 76.1 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

12.63

250000

200000

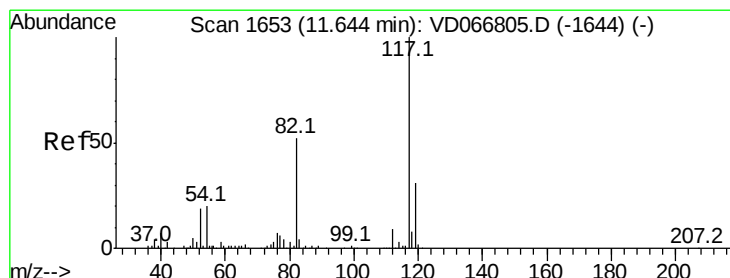
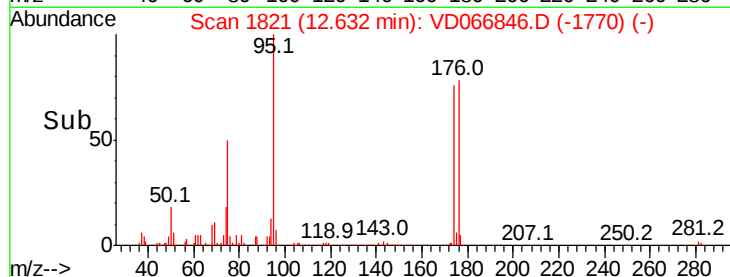
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

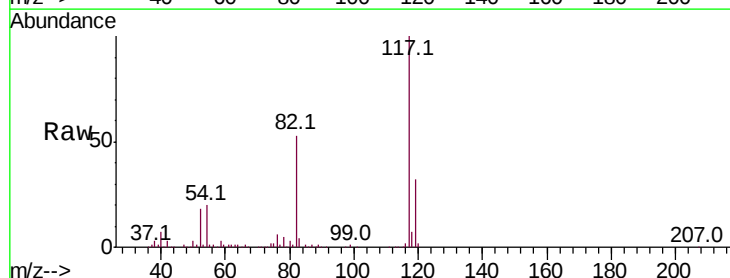
Tgt Ion: 117 Resp: 729037

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.6

119 32.0 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

11.64

600000

500000

400000

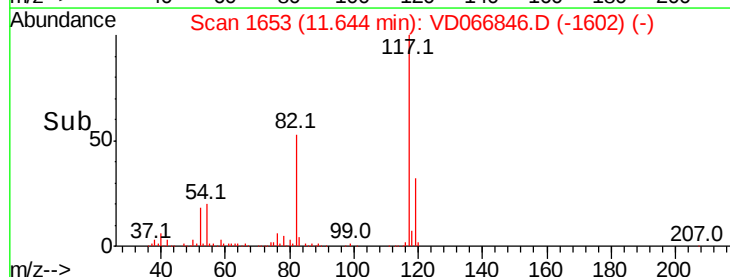
300000

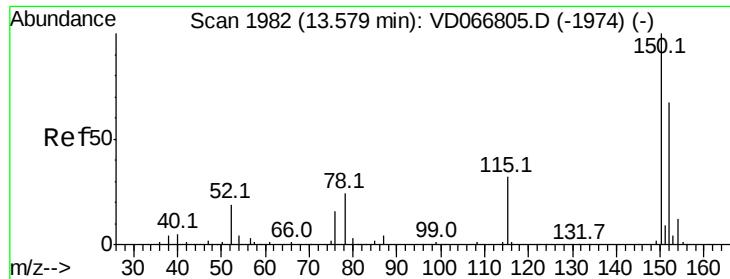
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampled :

CS-21

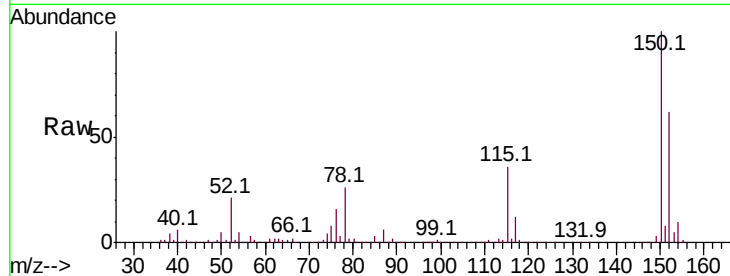
Tot Ion:152 Resp: 332683

Ion Ratio Lower Upper

152 100

115 60.2 30.3 91.0

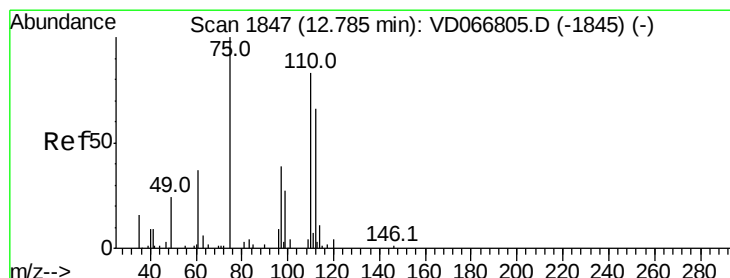
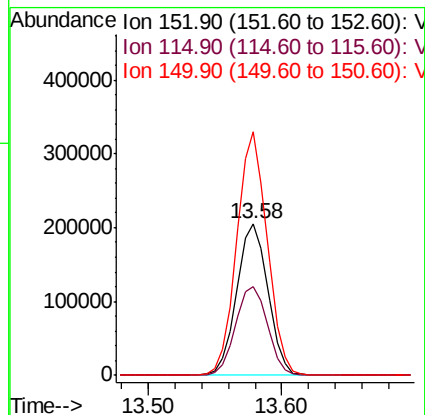
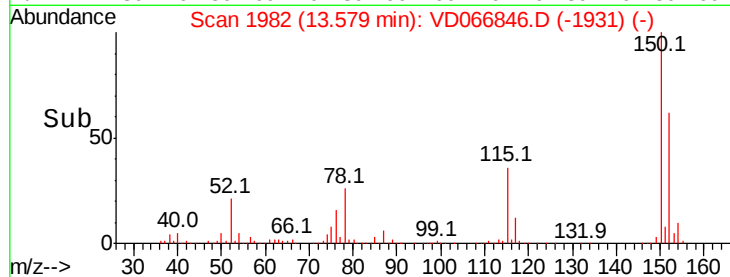
150 156.7 0.0 346.2



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: 57.604 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066846.D

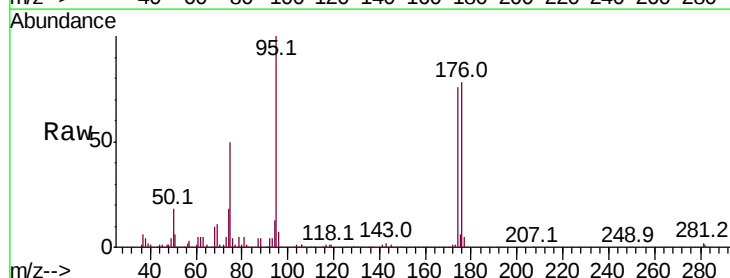
Acq: 24 Sep 2020 12:58

Tgt Ion: 75 Resp: 158815

Ion Ratio Lower Upper

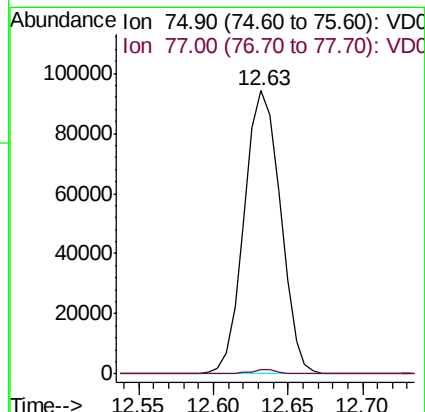
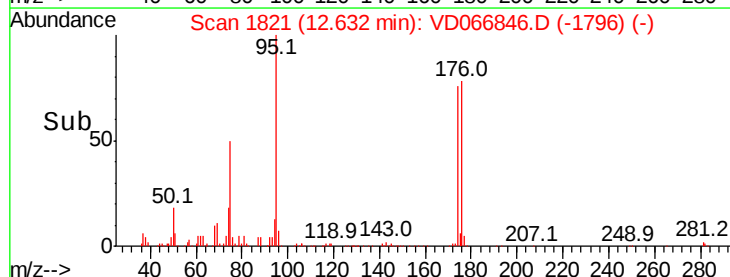
75 100

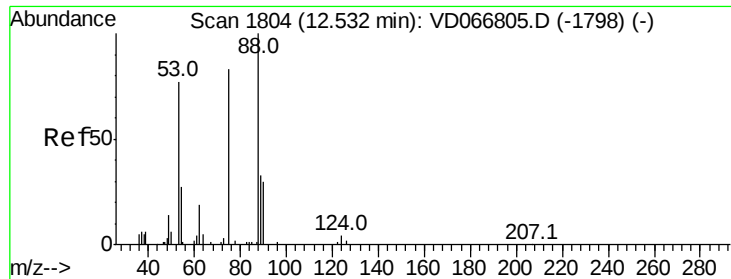
77 1.2 0.0 0.0#



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: 144.120 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066846.D

Acq: 24 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

CS-21

Tot Ion: 75 Resp: 158815

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

