

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066848.D
 Acq On : 24 Sep 2020 13:53
 Operator : VA/SY
 Sample : L4125-05
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-23

Quant Time: Sep 25 01:09:33 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	403180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	732083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	730434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	336414	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	220551	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	
35) Dibromofluoromethane	7.91	113	237659	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.34	98	886767	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.63	95	307692	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	

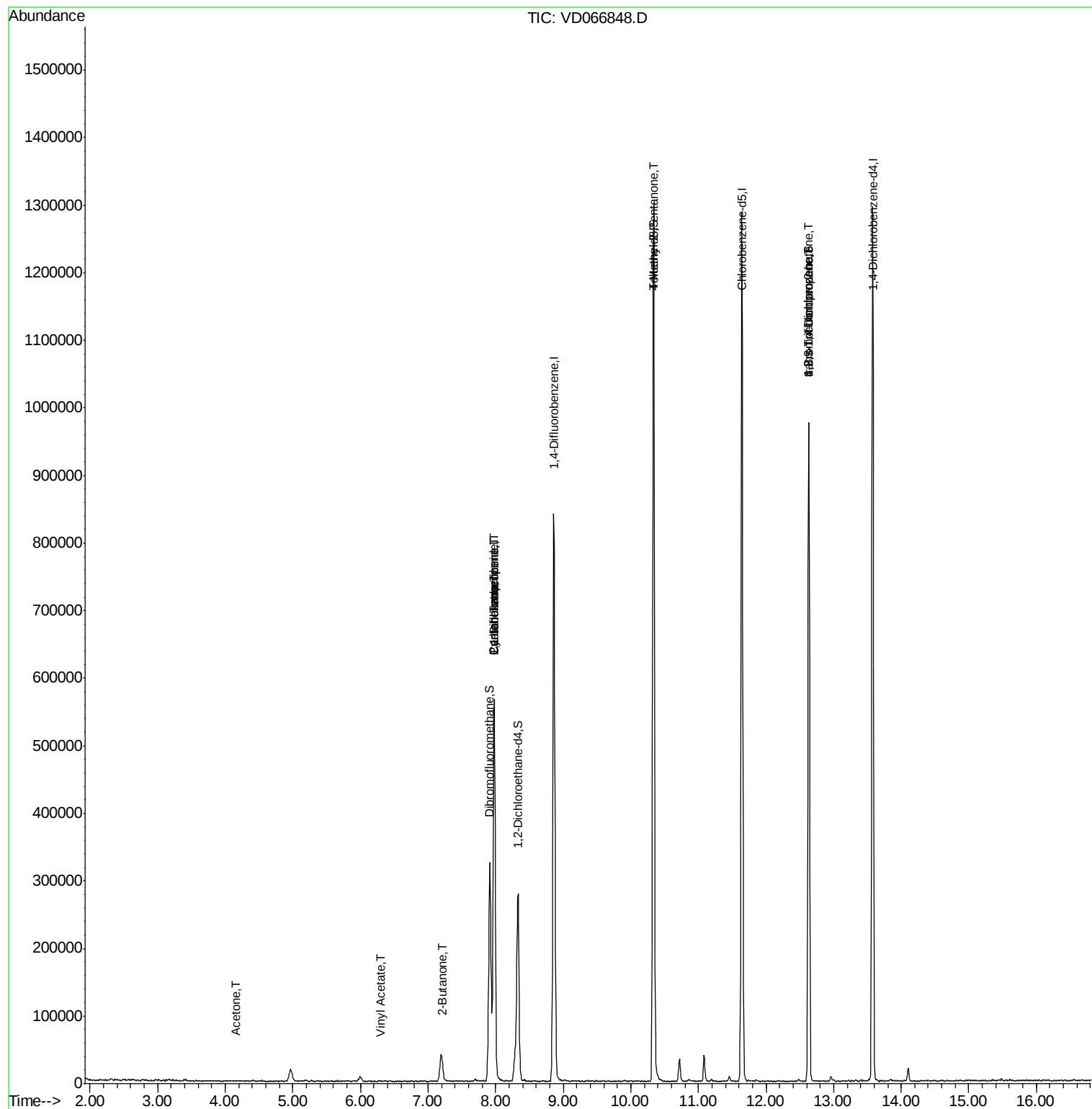
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	575	Below Cal		90
11) Tert butyl alcohol	5.19	59	1115	Below Cal	#	72
16) Acetone	4.16	43	894	1.068	ug/l #	43
18) Methyl Acetate	4.71	43	64	Below Cal	#	50
20) Methylene Chloride	4.96	84	12601	Below Cal		94
23) Vinyl Acetate	6.30	43	78	2.684	ug/l #	71
25) 2-Butanone	7.21	43	1198	1.191	ug/l #	46
31) Cyclohexane	7.98	56	9750	1.359	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	34404	4.737	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43709	5.505	ug/l #	16
49) 1,4-Dioxane	9.46	88	186	Below Cal	#	23
51) 4-Methyl-2-Pentanone	10.34	43	3684	1.436	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	160568	57.594	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	160568	144.095	ug/l #	10

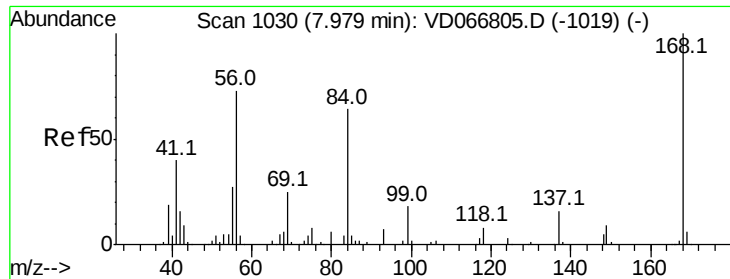
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
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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: VD066848.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

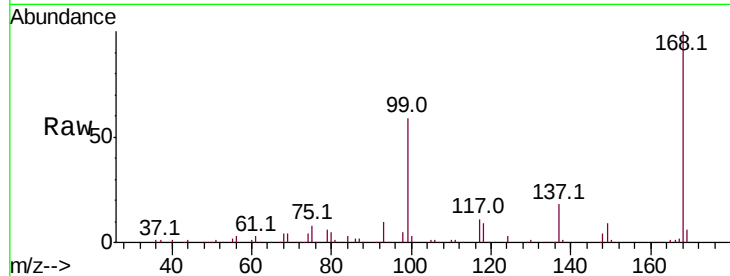
CS-23

Tot Ion:168 Resp: 403180

Ion Ratio Lower Upper

168 100

99 58.6 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

200000

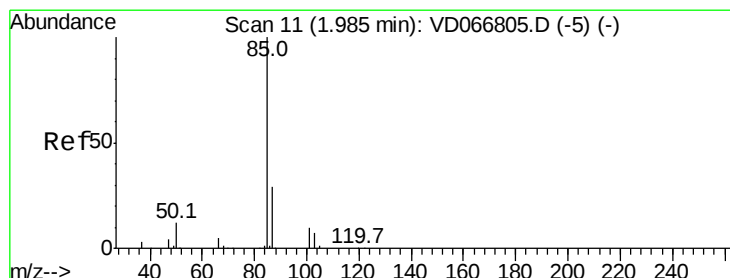
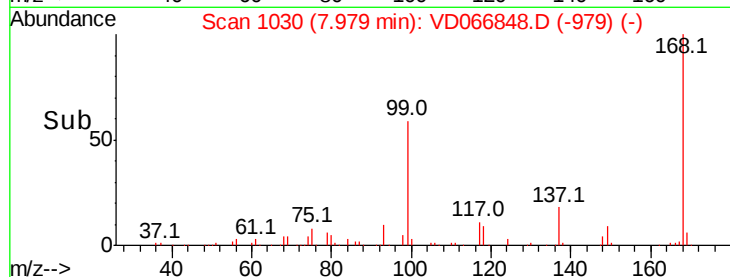
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066848.D

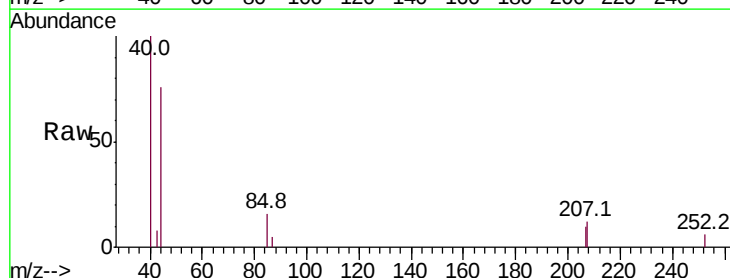
Acq: 24 Sep 2020 13:53

Tgt Ion: 85 Resp: 575

Ion Ratio Lower Upper

85 100

87 34.1 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

500

400

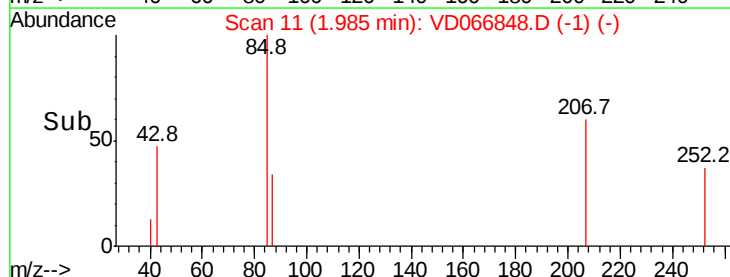
300

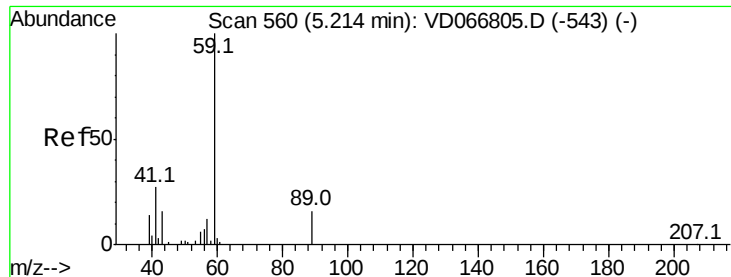
200

100

0

Time-->



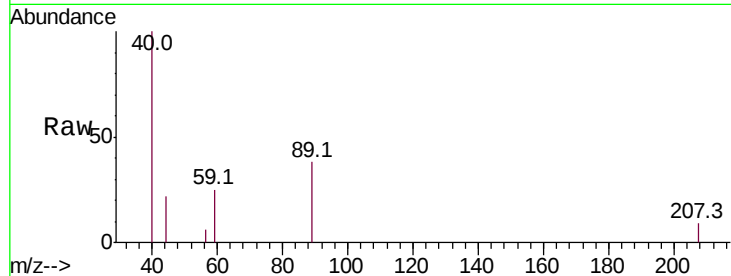


#11

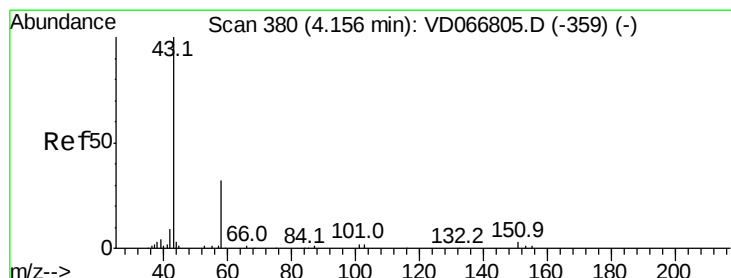
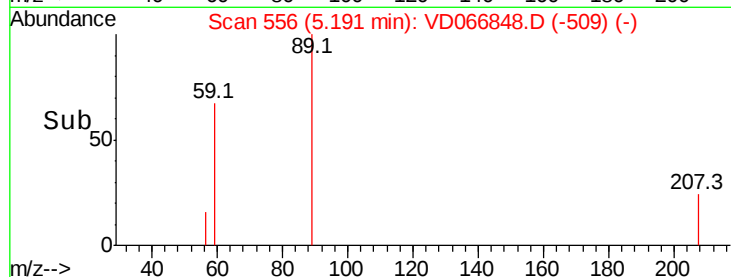
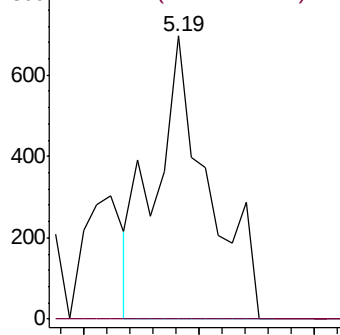
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066848.D
 Acq: 24 Sep 2020 13:53

Instrument :
 MSVOA_D
 ClientSampled :
 CS-23

Tot Ion: 59 Resp: 1115
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



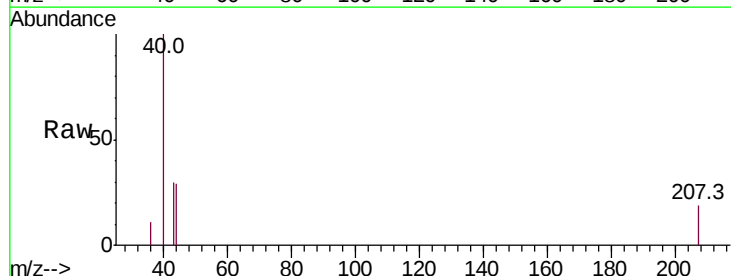
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



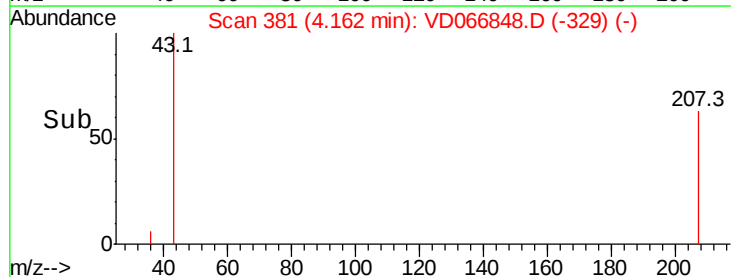
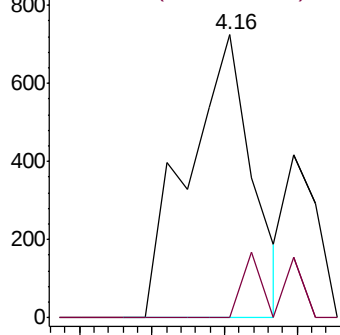
#16

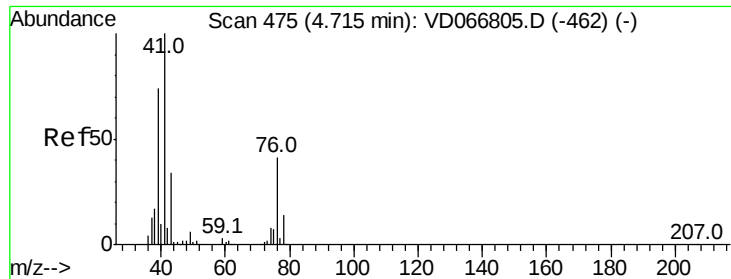
Acetone
 Concen: 1.068 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066848.D
 Acq: 24 Sep 2020 13:53

Tgt Ion: 43 Resp: 894
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#



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

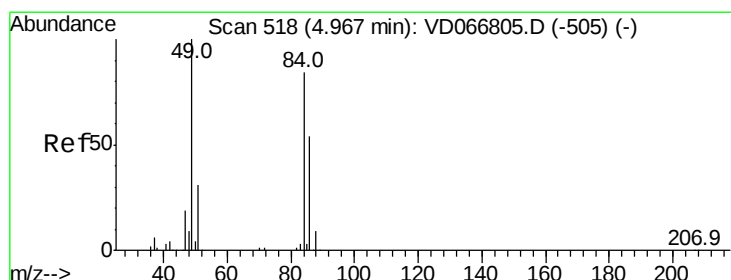
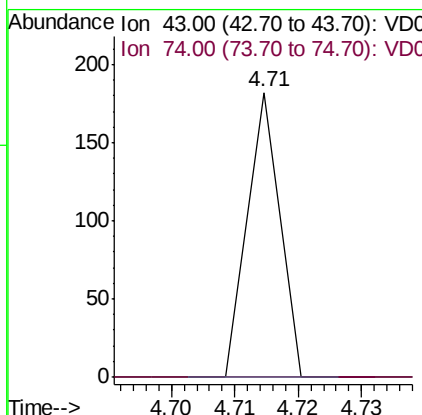
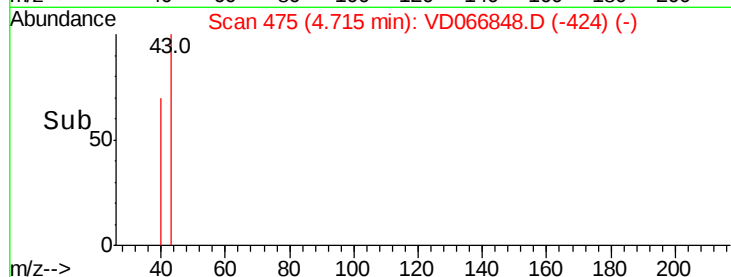
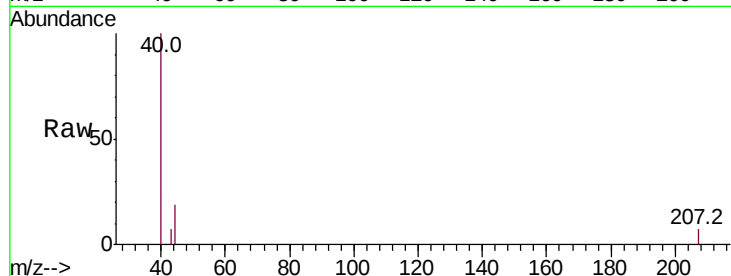




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066848.D
Acq: 24 Sep 2020 13:53

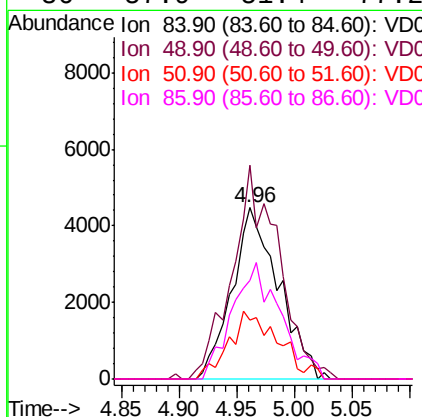
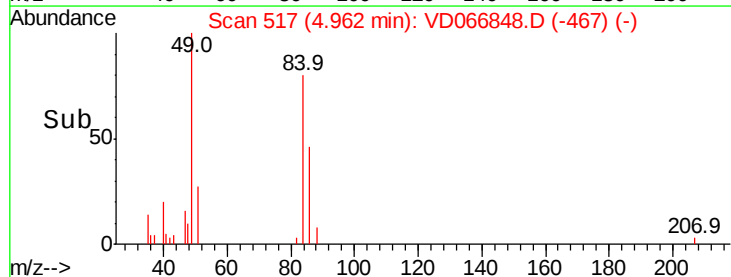
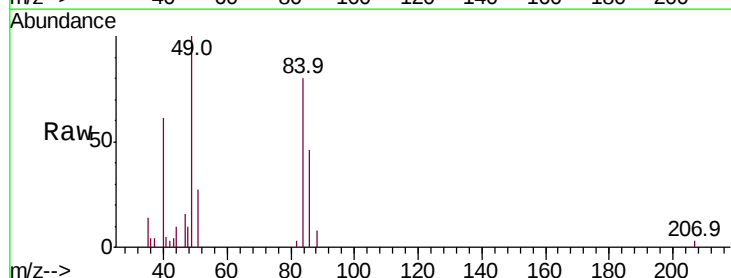
Instrument :
MSVOA_D
ClientSampleId :
CS-23

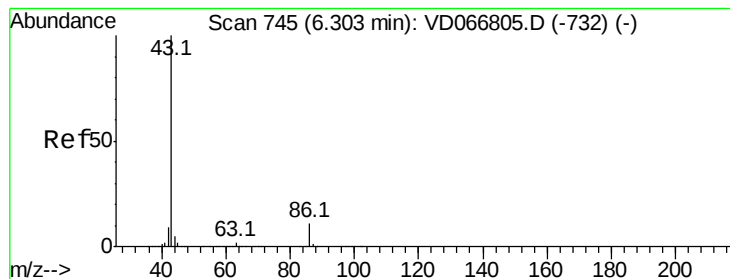
Tot Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066848.D
Acq: 24 Sep 2020 13:53

Tgt Ion: 84 Resp: 12601
Ion Ratio Lower Upper
84 100
49 124.8 95.4 143.2
51 34.3 29.7 44.5
86 57.9 51.4 77.2





#23

Vinyl Acetate

Concen: 2.684 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066848.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

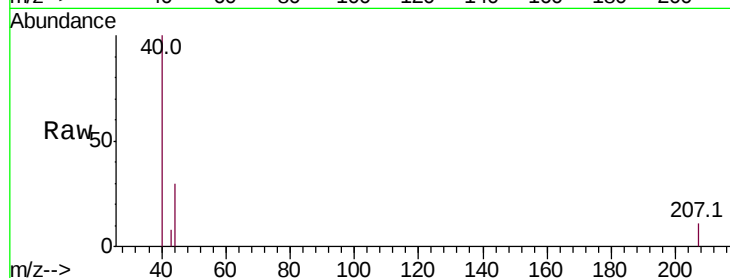
CS-23

Tot Ion: 43 Resp: 78

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

6.30

250

200

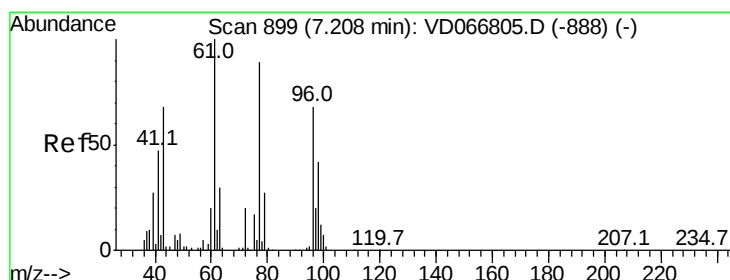
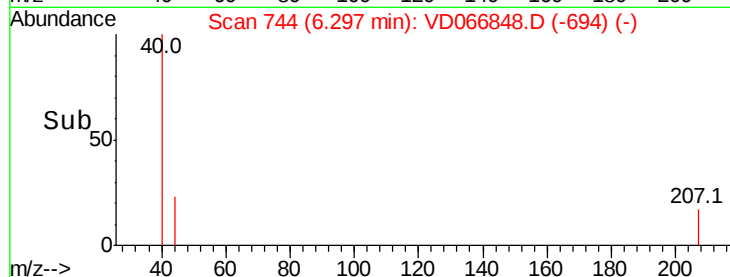
150

100

50

0

Time--> 6.28 6.29 6.30 6.31



#25

2-Butanone

Concen: 1.191 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066848.D

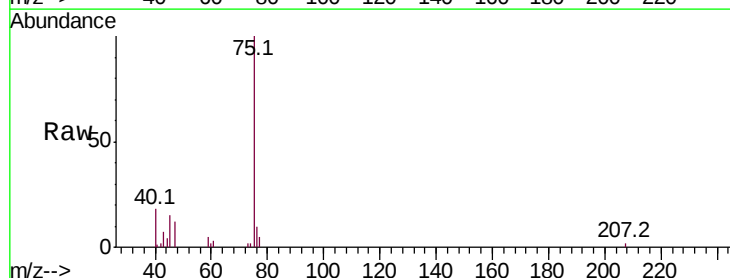
Acq: 24 Sep 2020 13:53

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

72 0.0 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

1200

1000

800

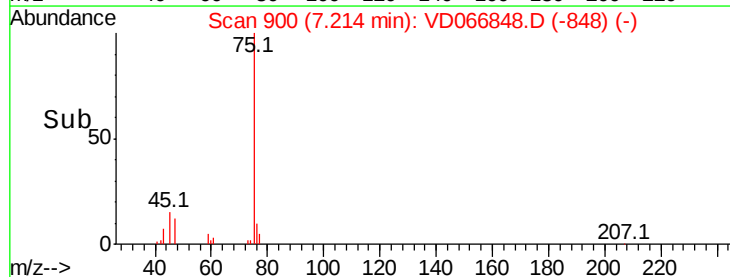
600

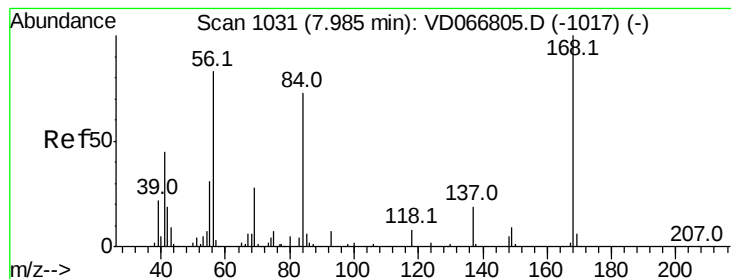
400

200

0

Time--> 7.18 7.20 7.22 7.24 7.26





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066848.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

CS-23

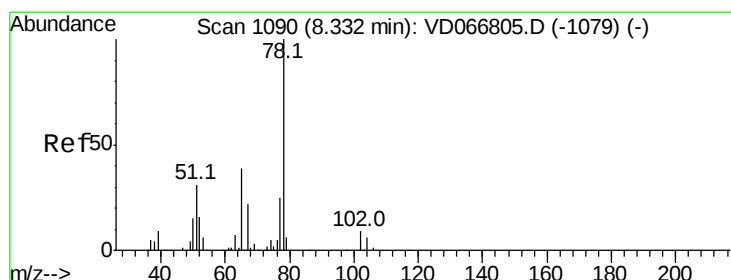
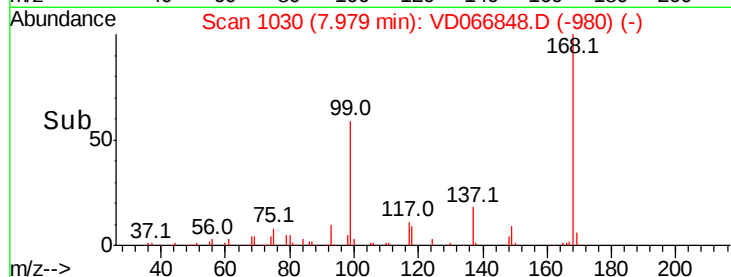
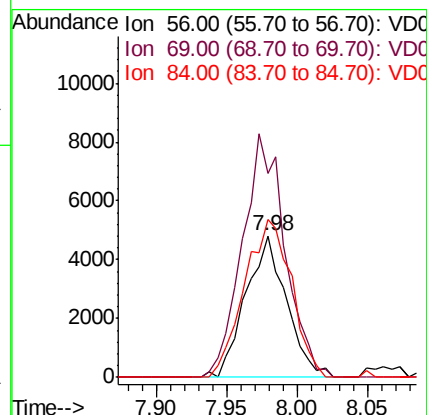
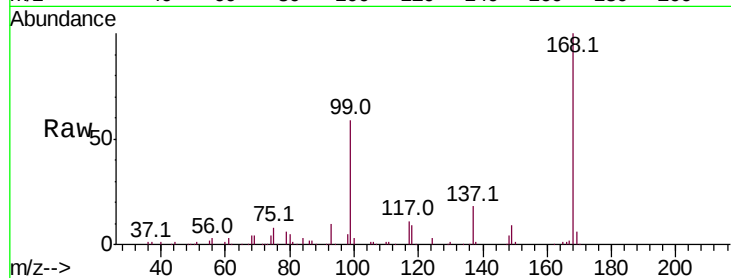
Tot Ion: 56 Resp: 9750

Ion Ratio Lower Upper

56 100

69 143.7 27.0 40.4#

84 111.5 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 55.890 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066848.D

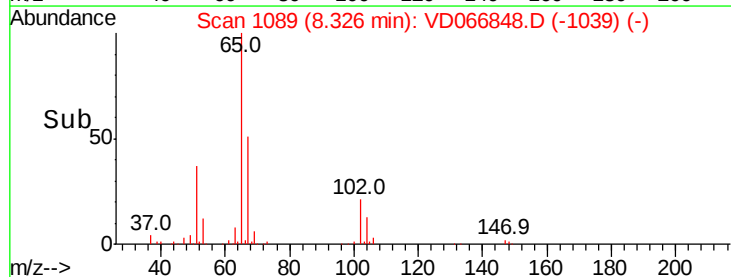
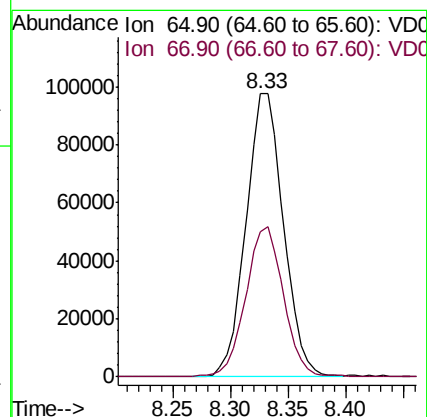
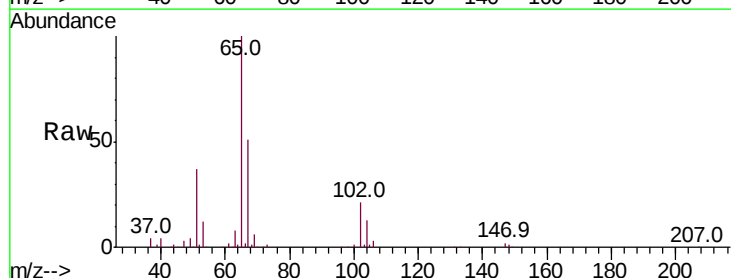
Acq: 24 Sep 2020 13:53

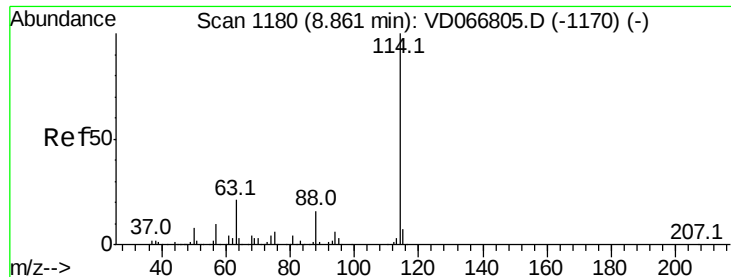
Tgt Ion: 65 Resp: 220551

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.2

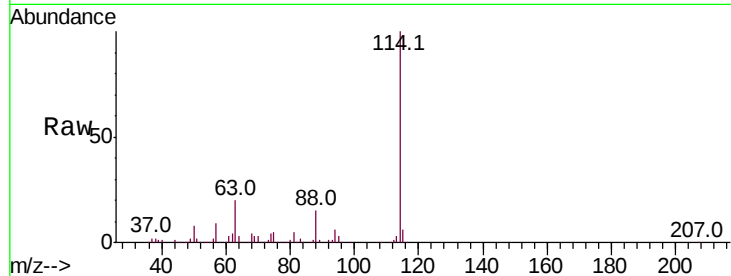




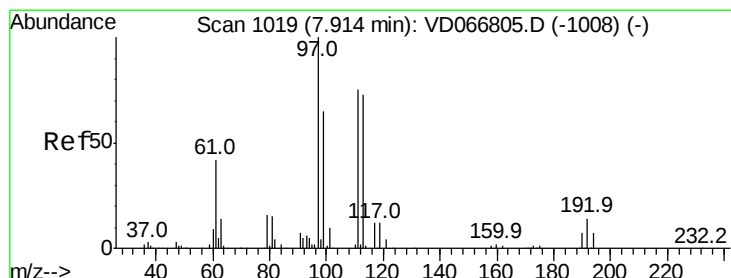
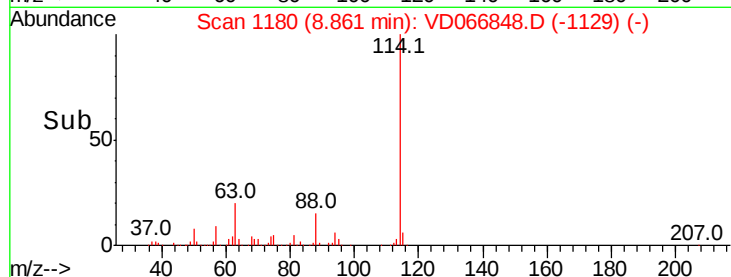
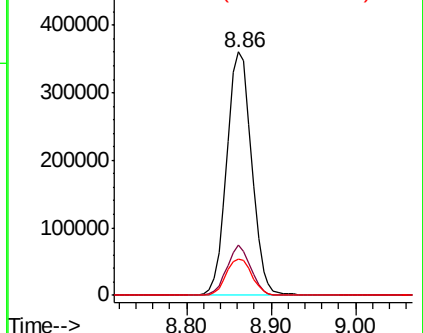
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066848.D
 Acq: 24 Sep 2020 13:53

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-23

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.6
88	15.1	0.0	32.6

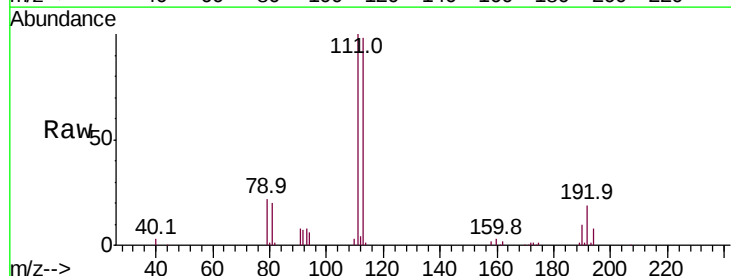


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

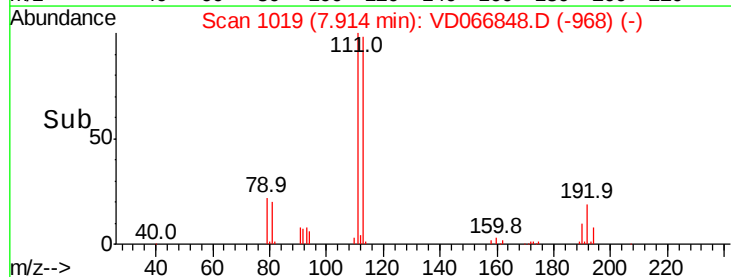
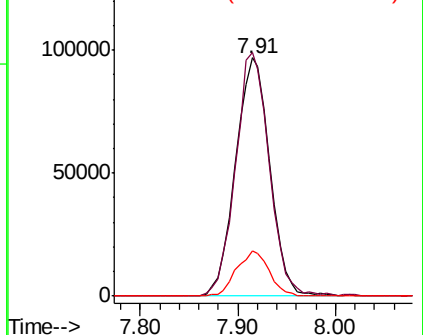


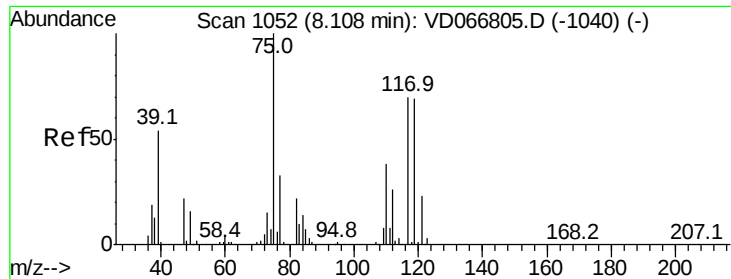
#35
 Dibromofluoromethane
 Concen: 51.027 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066848.D
 Acq: 24 Sep 2020 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.8
192	18.2	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: 4.737 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066848.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampled :

CS-23

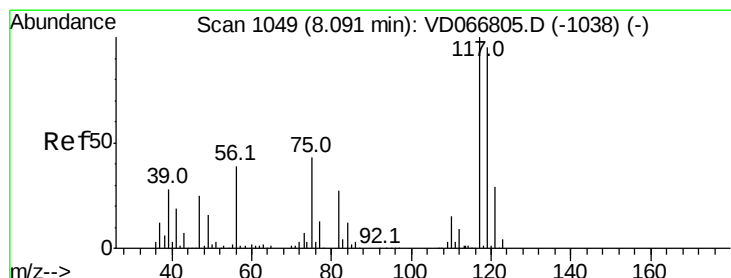
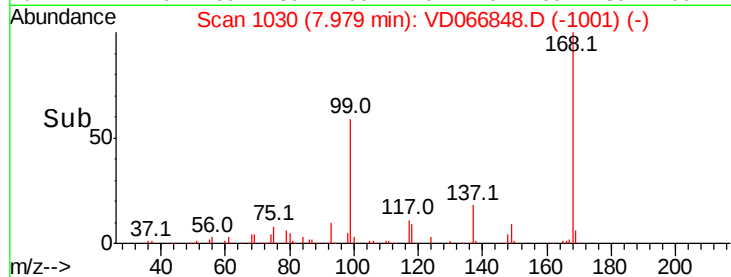
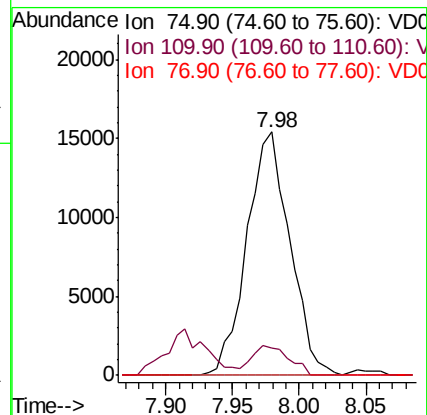
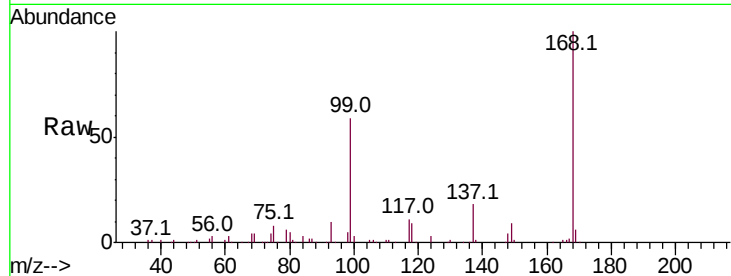
Tot Ion: 75 Resp: 34404

Ion Ratio Lower Upper

75 100

110 10.4 17.9 53.8#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.505 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066848.D

Acq: 24 Sep 2020 13:53

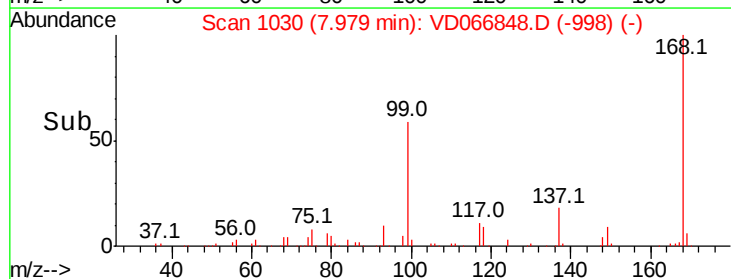
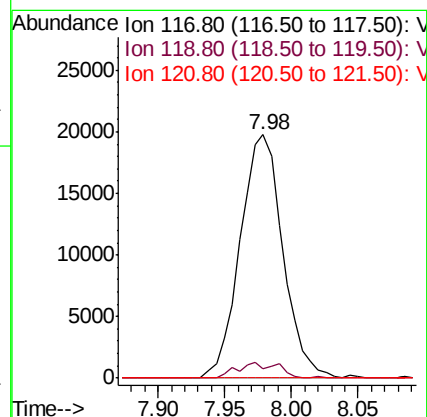
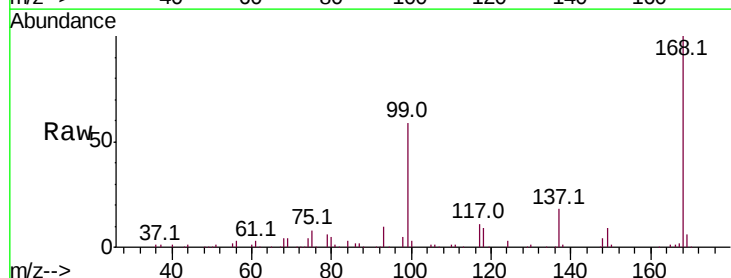
Tgt Ion: 117 Resp: 43709

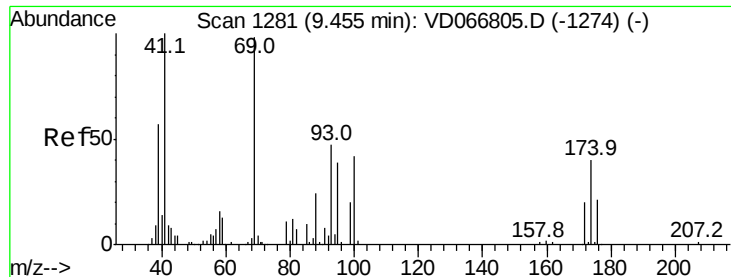
Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

121 0.0 23.4 35.0#

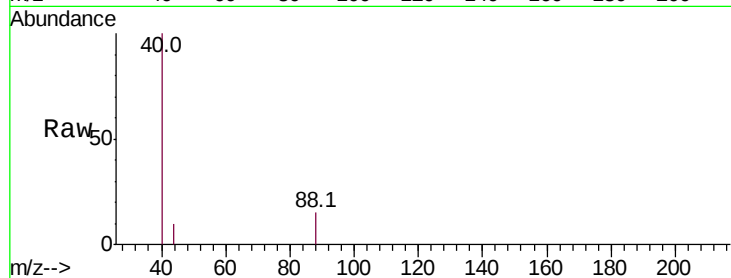




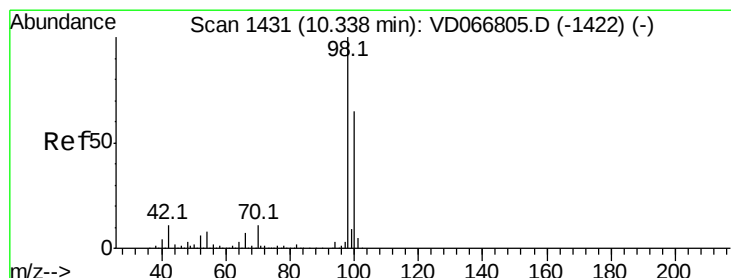
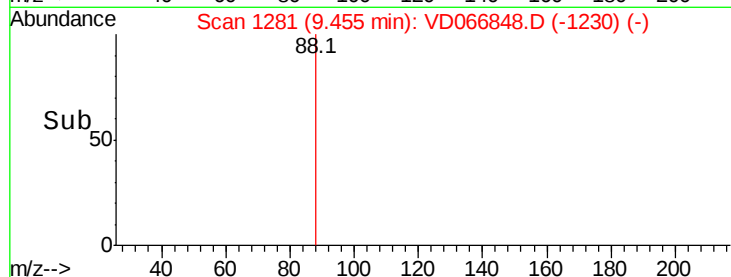
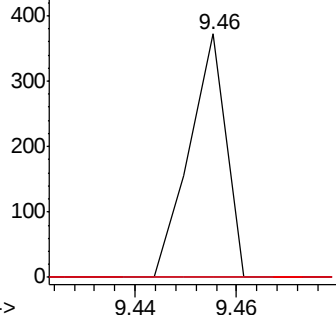
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066848.D
Acq: 24 Sep 2020 13:53

Instrument :
MSVOA_D
ClientSampled :
CS-23

Tot Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 55.5 83.3#

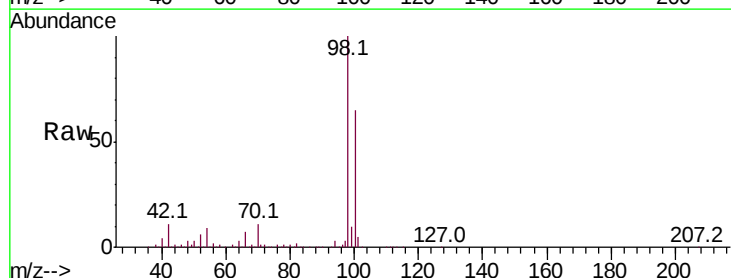


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

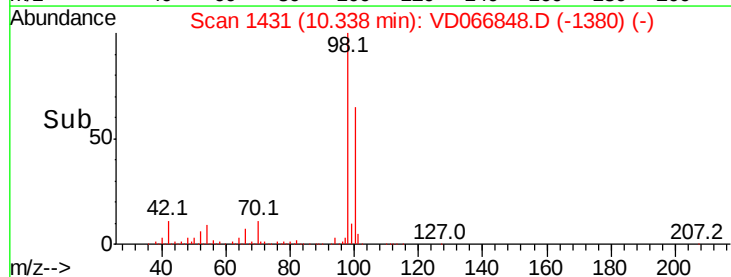
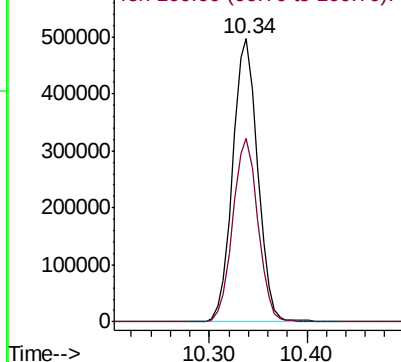


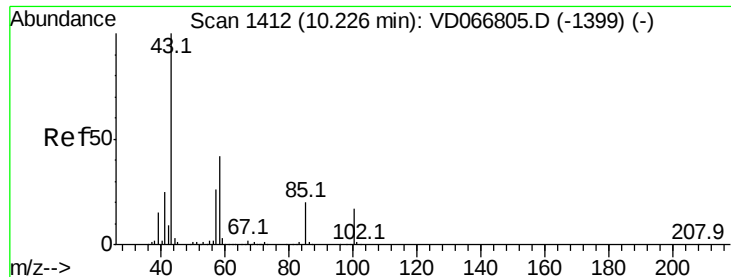
#50
Toluene-d8
Concen: 55.881 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066848.D
Acq: 24 Sep 2020 13:53

Tgt Ion: 98 Resp: 886767
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.436 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066848.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleID :

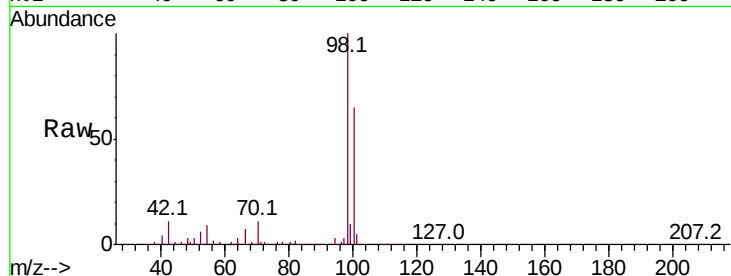
CS-23

Tot Ion: 43 Resp: 3684

Ion Ratio Lower Upper

43 100

58 220.5 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

5000

4000

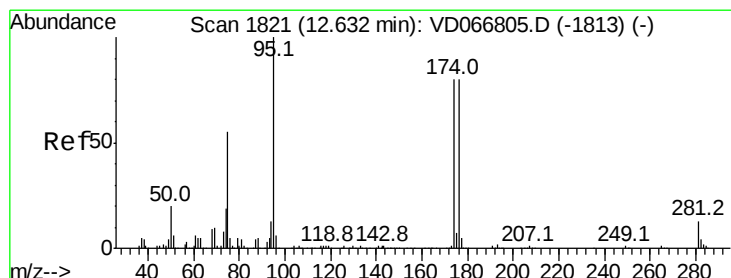
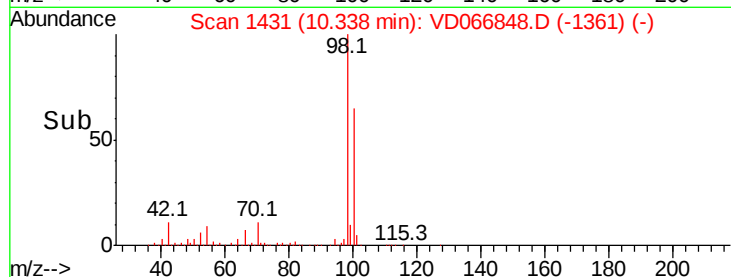
3000

2000

1000

0

Time--> 10.30 10.35 10.40



#62

4-Bromofluorobenzene

Concen: 56.639 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066848.D

Acq: 24 Sep 2020 13:53

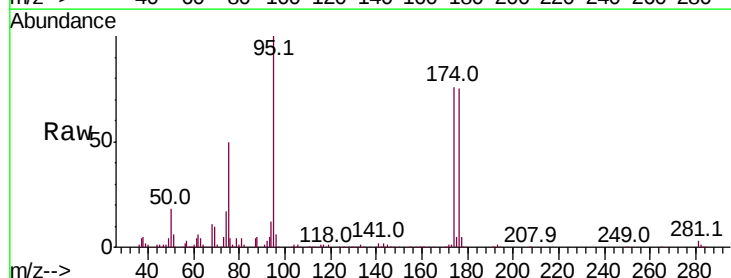
Tgt Ion: 95 Resp: 307692

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.8

176 78.0 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

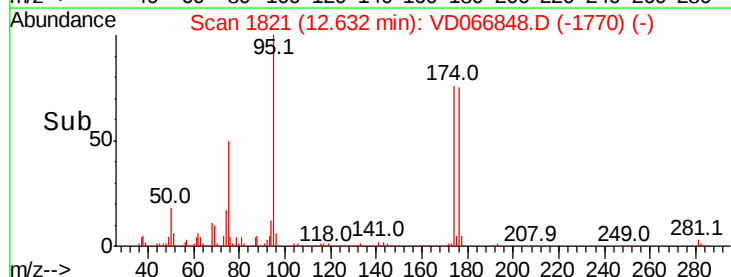
150000

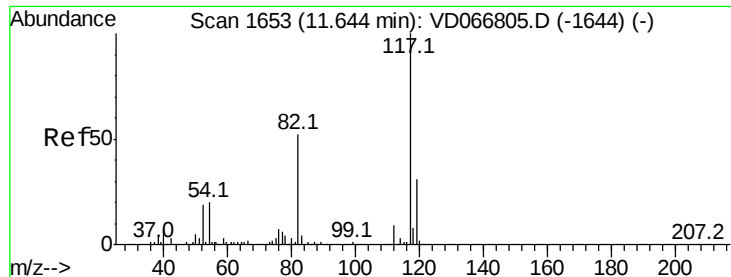
100000

50000

0

Time--> 12.60 12.70

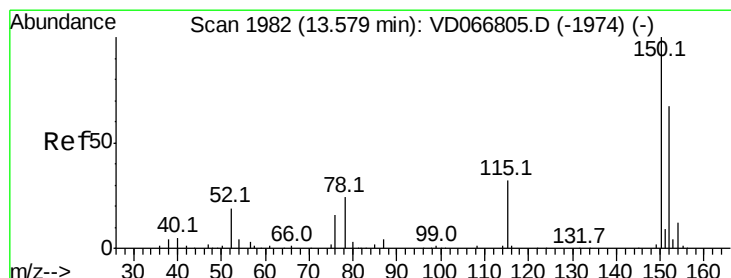
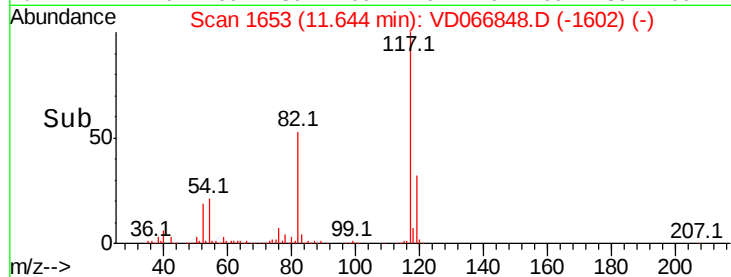
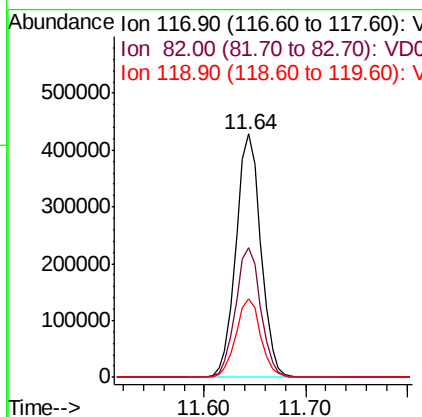
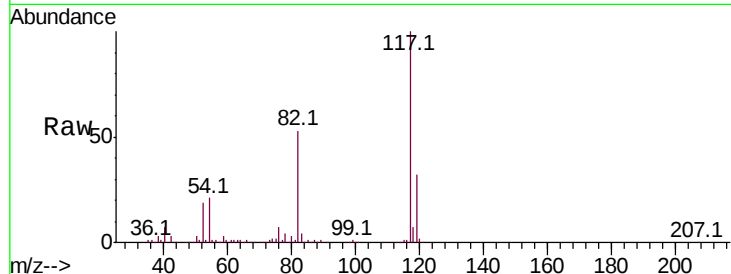




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066848.D
Acq: 24 Sep 2020 13:53

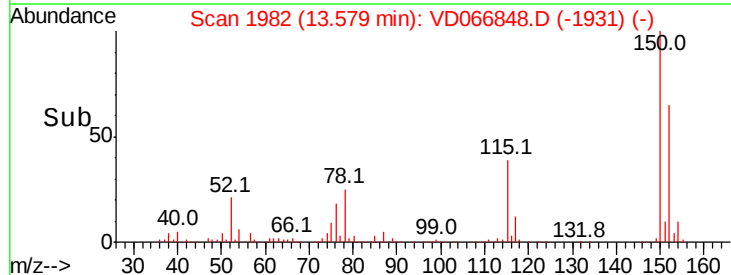
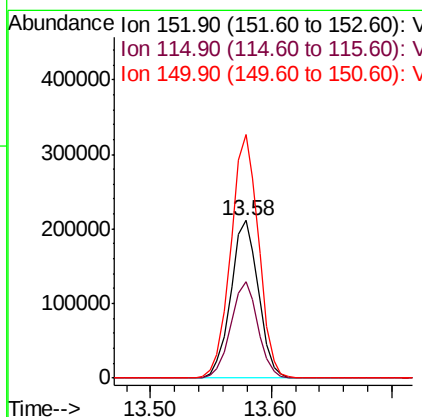
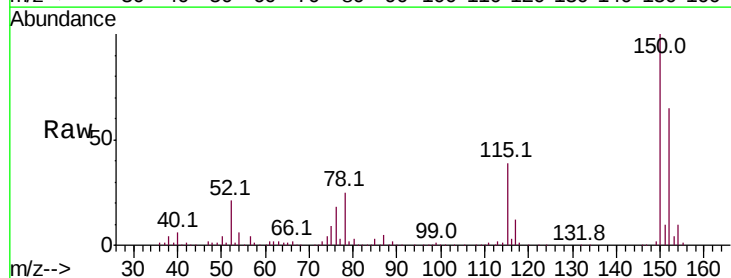
Instrument :
MSVOA_D
ClientSampled :
CS-23

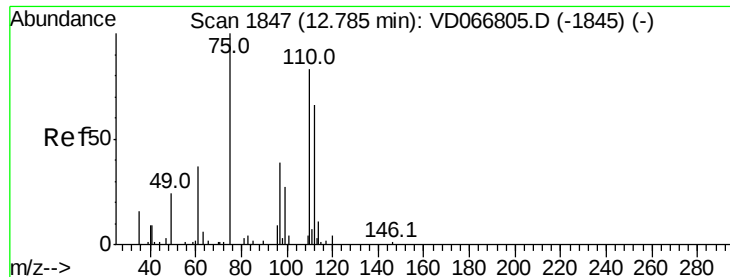
Tot Ion:117 Resp: 730434
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.6
119 32.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066848.D
Acq: 24 Sep 2020 13:53

Tgt Ion:152 Resp: 336414
Ion Ratio Lower Upper
152 100
115 60.3 30.3 91.0
150 155.4 0.0 346.2

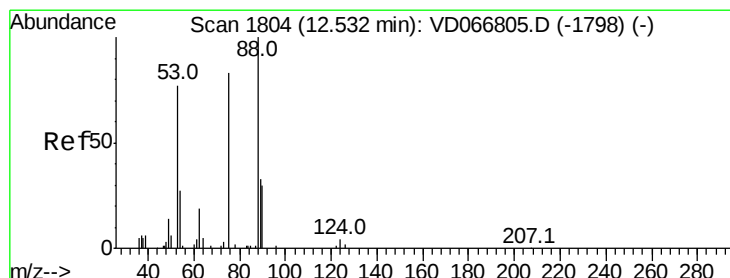
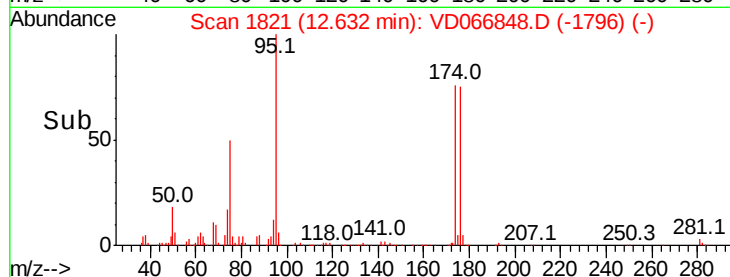
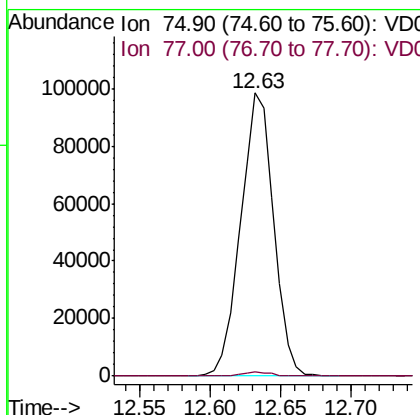
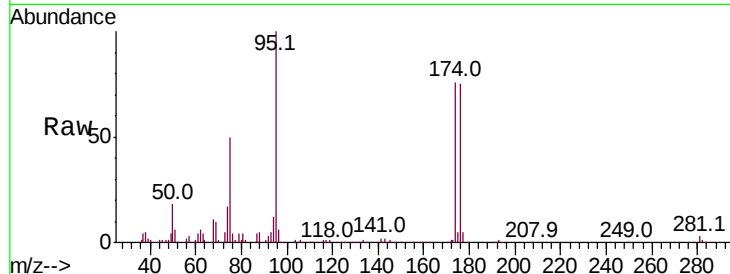




#76
 1,2,3-Trichloropropane
 Concen: 57.594 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066848.D
 Acq: 24 Sep 2020 13:53

Instrument :
 MSVOA_D
 ClientSampled :
 CS-23

Tot Ion: 75 Resp: 160568
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.095 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066848.D
 Acq: 24 Sep 2020 13:53

Tgt Ion: 75 Resp: 160568
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 38.1 57.1#

