

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066845.D
 Acq On : 24 Sep 2020 12:30
 Operator : VA/SY
 Sample : L4125-02
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-20

Quant Time: Sep 25 01:09:15 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	406615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	716279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	708339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	324029	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	209525	52.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.30%	
35) Dibromofluoromethane	7.91	113	225979	49.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.18%	
50) Toluene-d8	10.34	98	848933	54.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.63	95	298009	56.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.14%	

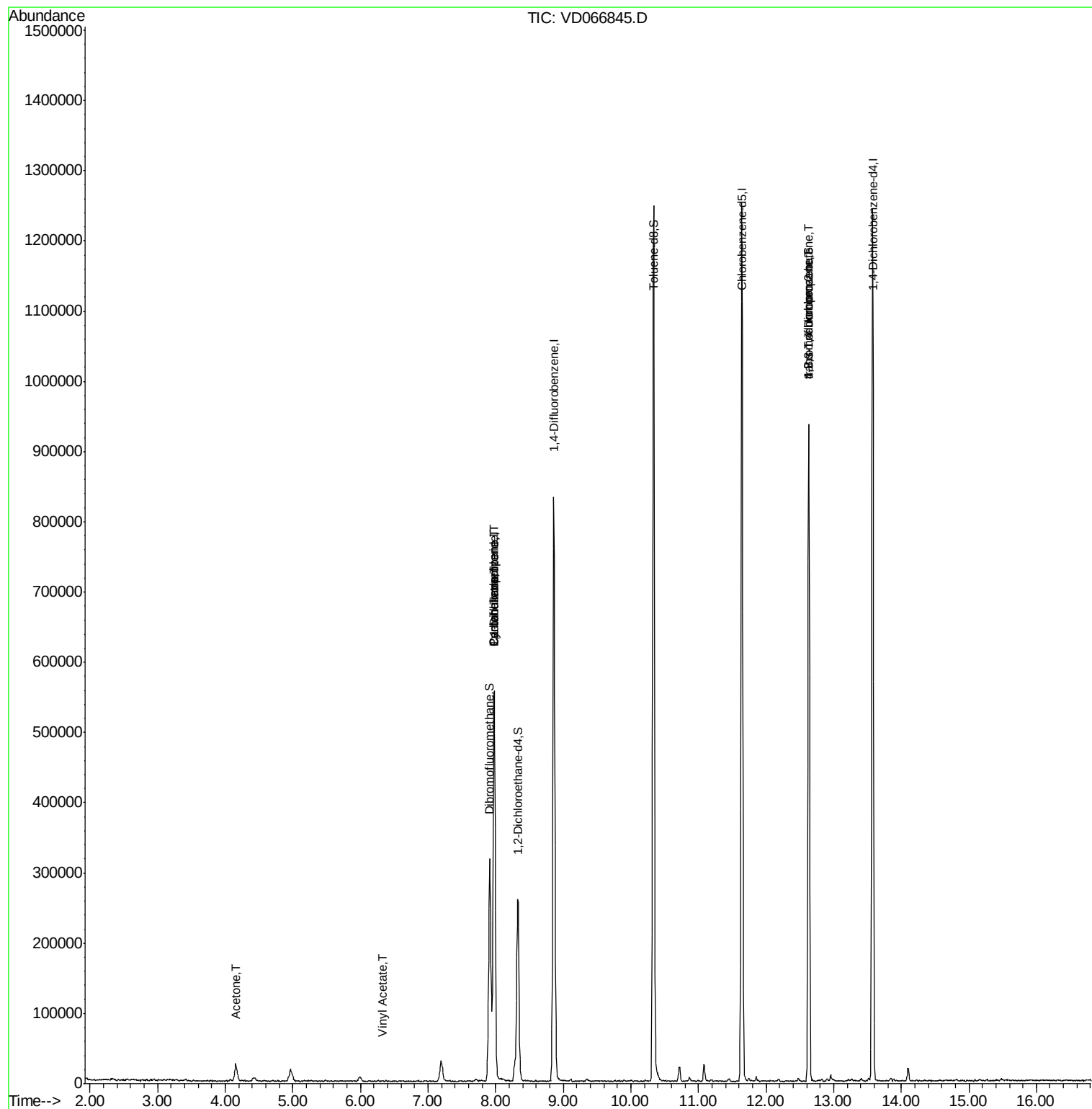
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	848	Below Cal		100
11) Tert butyl alcohol	5.22	59	106	Below Cal	#	72
16) Acetone	4.16	43	39949	47.319	ug/l	98
18) Methyl Acetate	4.75	43	169	Below Cal	#	50
20) Methylene Chloride	4.96	84	12936	Below Cal		89
23) Vinyl Acetate	6.33	43	273	2.713	ug/l #	71
31) Cyclohexane	7.97	56	10046	1.388	ug/l #	42
36) 1,1-Dichloropropene	7.97	75	33574	4.725	ug/l #	49
38) Carbon Tetrachloride	7.97	117	42815	5.511	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	155277	57.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	155277	144.673	ug/l #	10

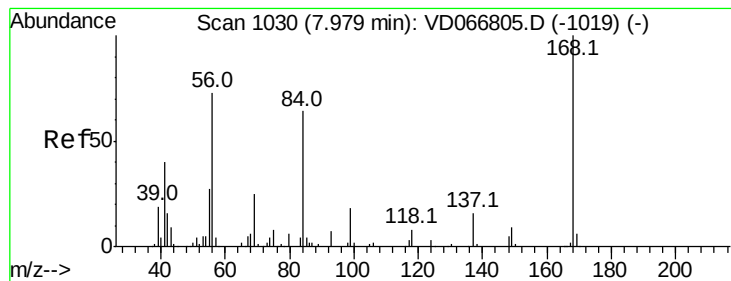
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066845.D

Acq: 24 Sep 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

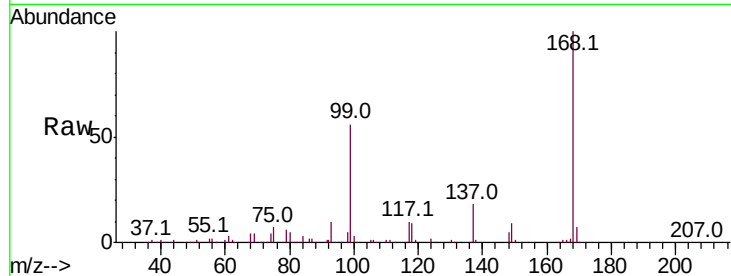
CS-20

Tot Ion:168 Resp: 406615

Ion Ratio Lower Upper

168 100

99 56.0 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

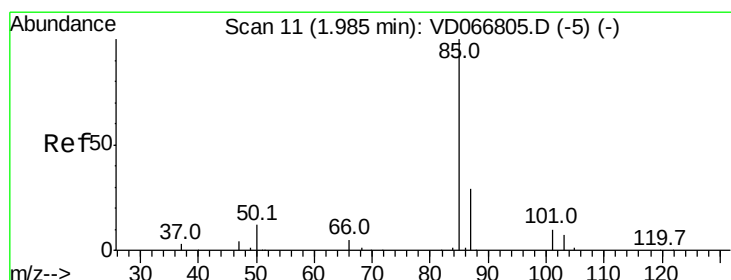
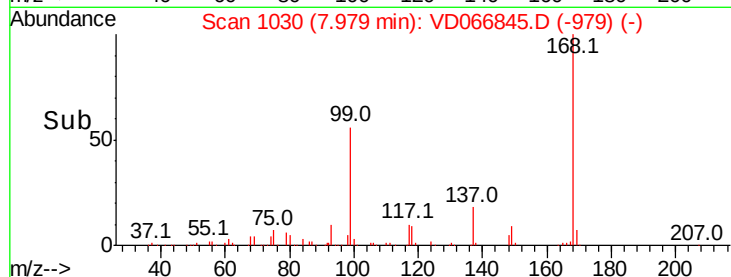
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066845.D

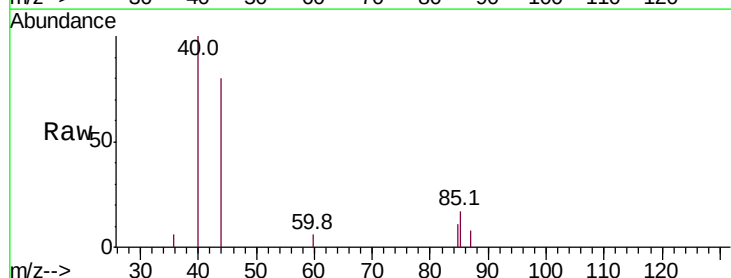
Acq: 24 Sep 2020 12:30

Tgt Ion: 85 Resp: 848

Ion Ratio Lower Upper

85 100

87 28.8 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

800

600

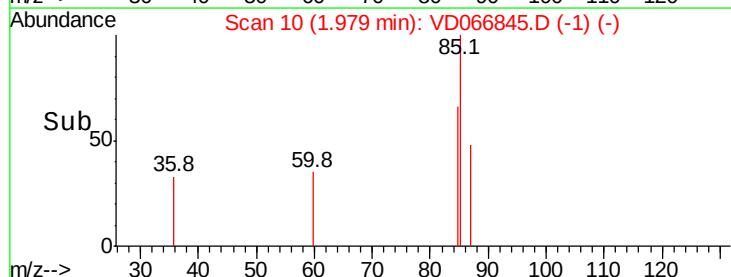
400

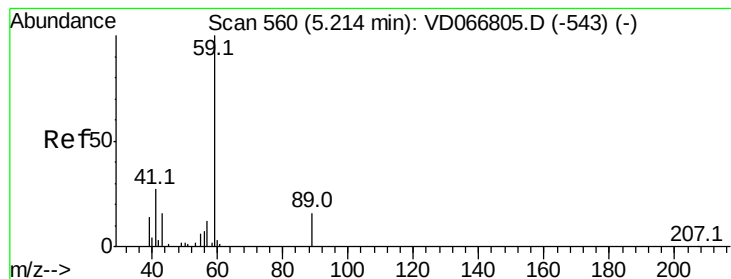
200

0

1.96 1.98 2.00 2.02

Time-->



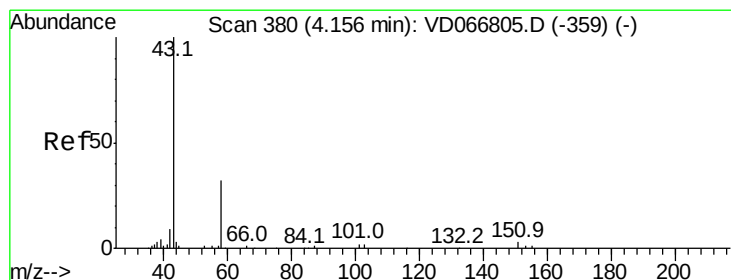
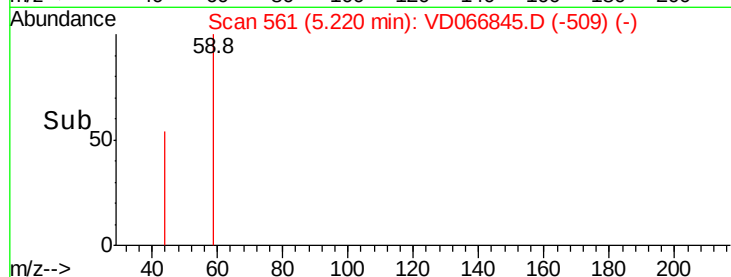
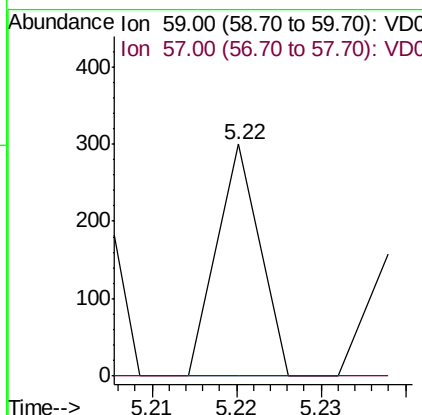
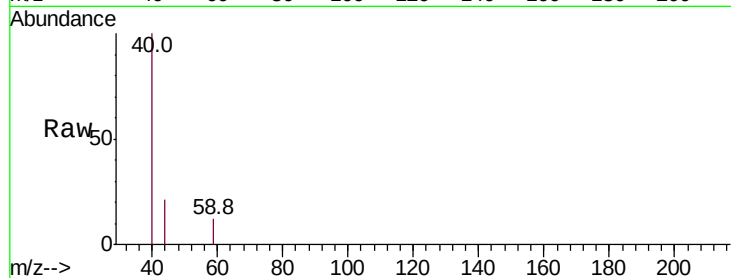


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

Instrument :
 MSVOA_D
 ClientSampled :
 CS-20

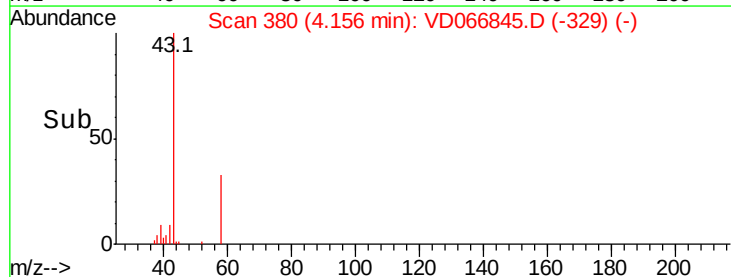
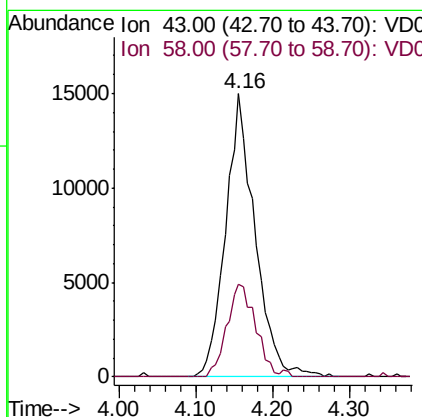
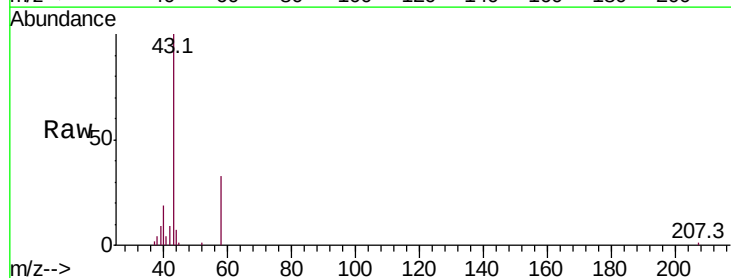
Tot Ion: 59 Resp: 106
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

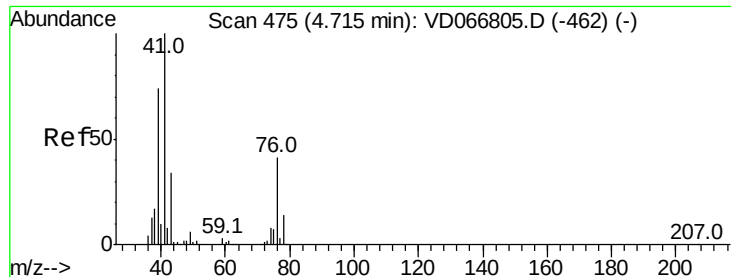


#16

Acetone
 Concen: 47.319 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

Tgt Ion: 43 Resp: 39949
 Ion Ratio Lower Upper
 43 100
 58 32.9 25.6 38.4

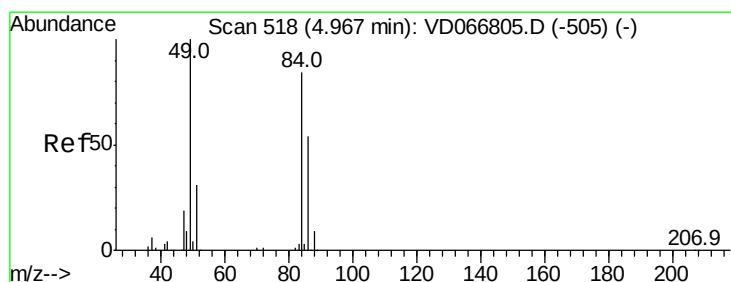
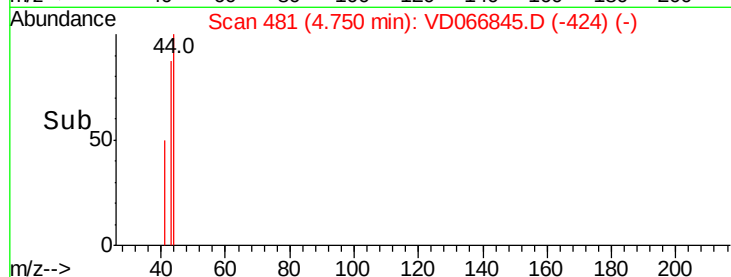
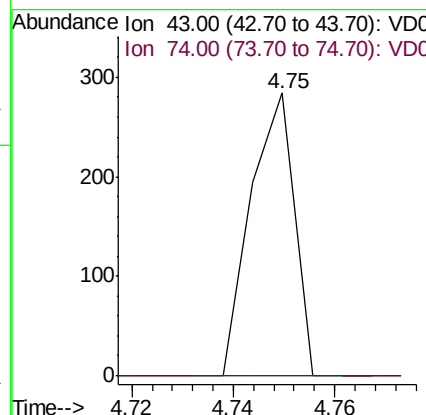
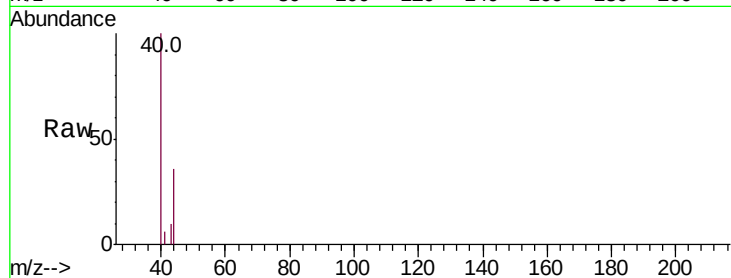




#18
Methyl Acetate
Concen: Below Cal
RT: 4.75 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD066845.D
Acq: 24 Sep 2020 12:30

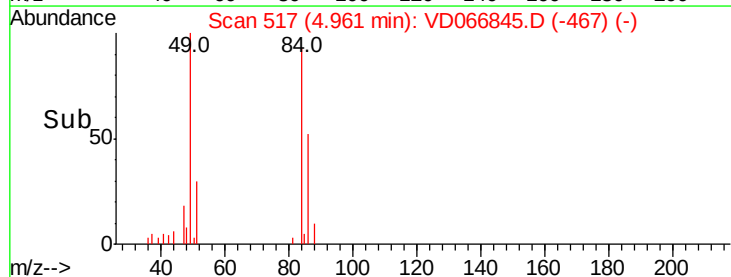
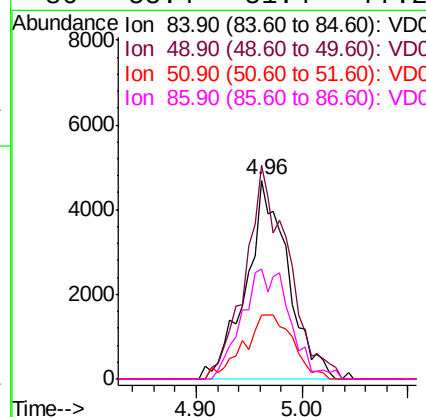
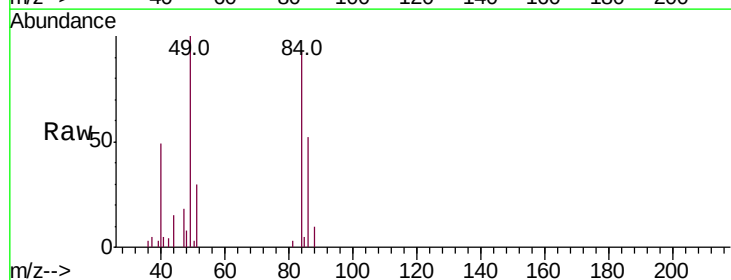
Instrument :
MSVOA_D
ClientSampleId :
CS-20

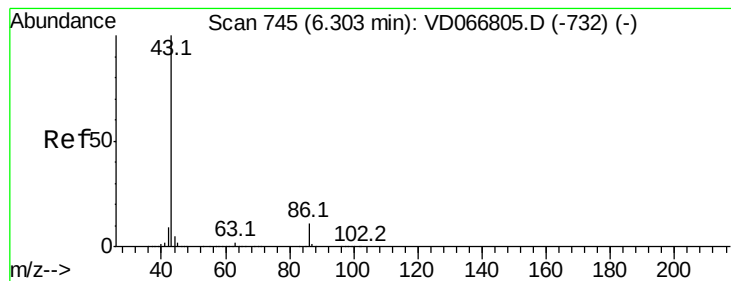
Tot Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066845.D
Acq: 24 Sep 2020 12:30

Tgt Ion: 84 Resp: 12936
Ion Ratio Lower Upper
84 100
49 107.4 95.4 143.2
51 32.1 29.7 44.5
86 55.4 51.4 77.2





#23

Vinyl Acetate

Concen: 2.713 ug/l

RT: 6.33 min Scan# 749

Delta R.T. 0.02 min

Lab File: VD066845.D

Acq: 24 Sep 2020 12:30

Instrument :

MSVOA_D

ClientSampleID :

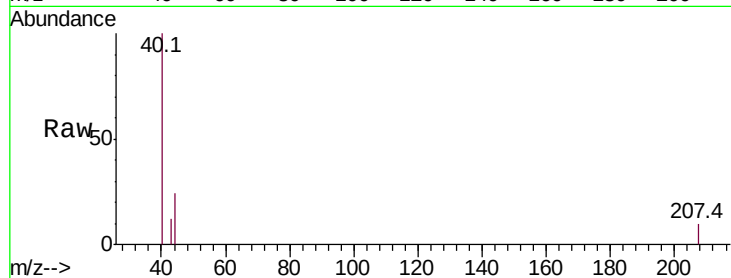
CS-20

Tot Ion: 43 Resp: 273

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

6.33

300

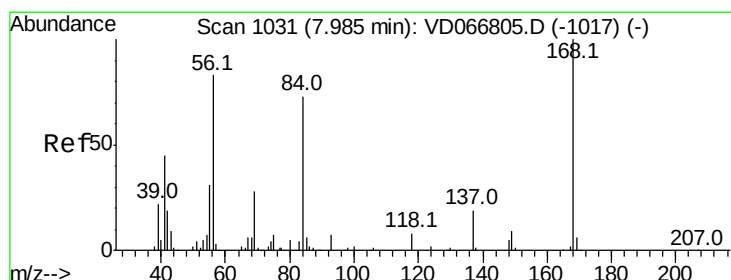
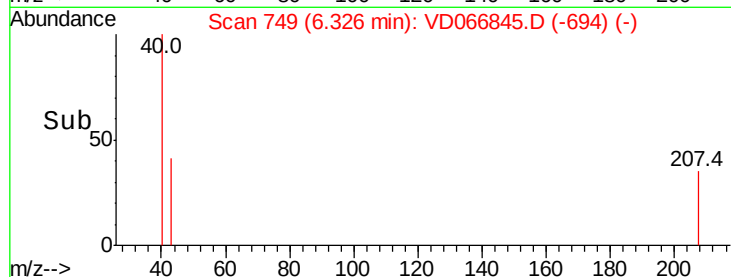
200

100

0

6.30 6.32 6.34

Time-->



#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066845.D

Acq: 24 Sep 2020 12:30

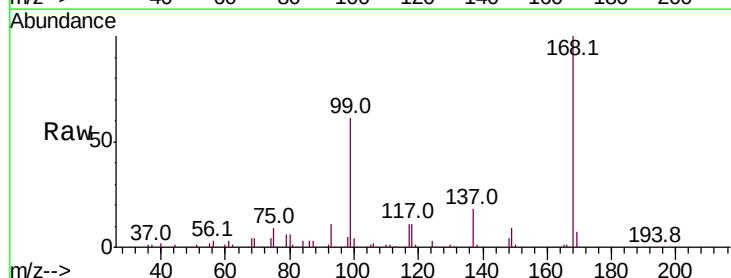
Tgt Ion: 56 Resp: 10046

Ion Ratio Lower Upper

56 100

69 130.7 27.0 40.4#

84 101.3 70.2 105.4



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

7.97

10000

8000

6000

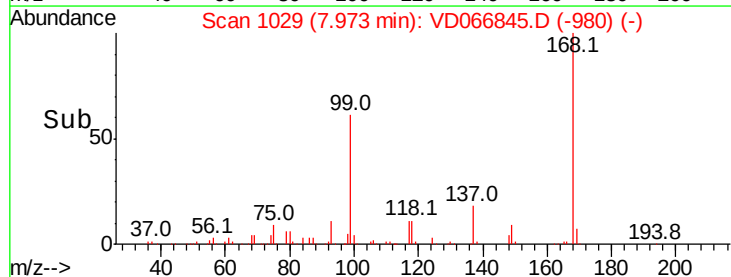
4000

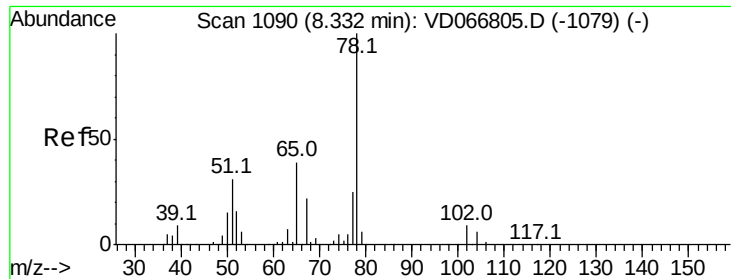
2000

0

7.90 7.95 8.00 8.05

Time-->

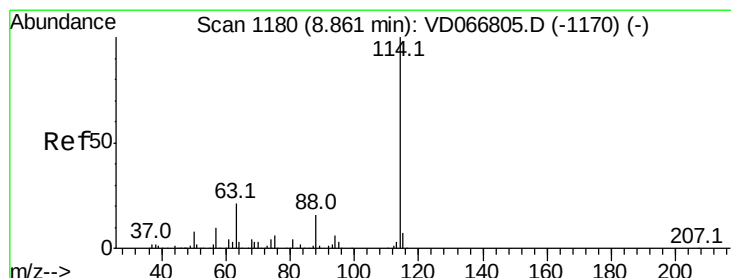
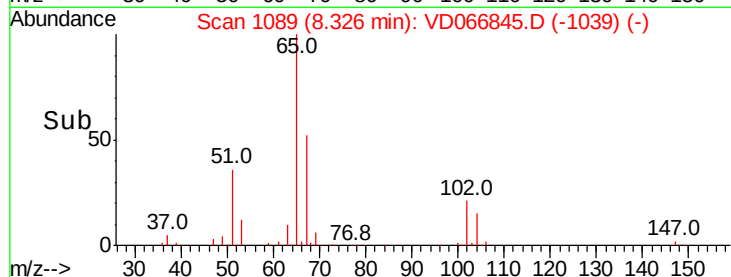
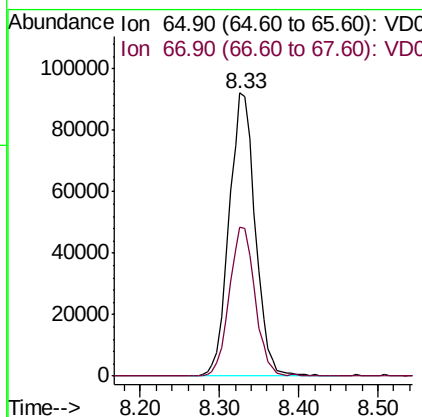
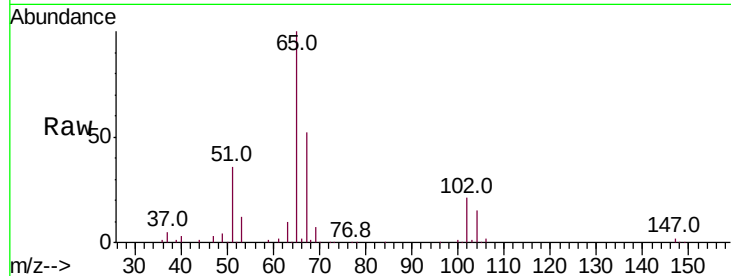




#33
 1,2-Dichloroethane-d4
 Concen: 52.647 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

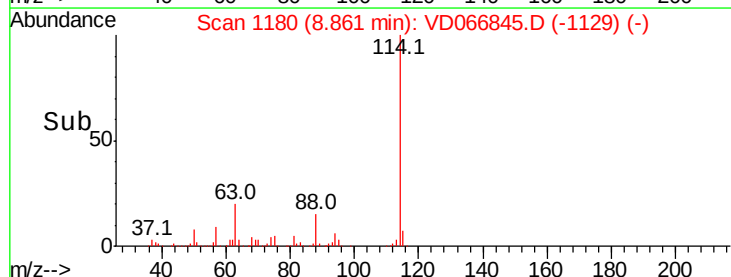
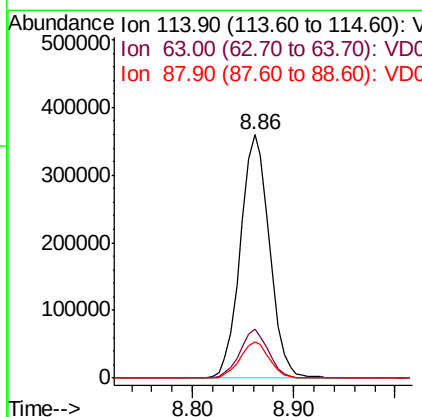
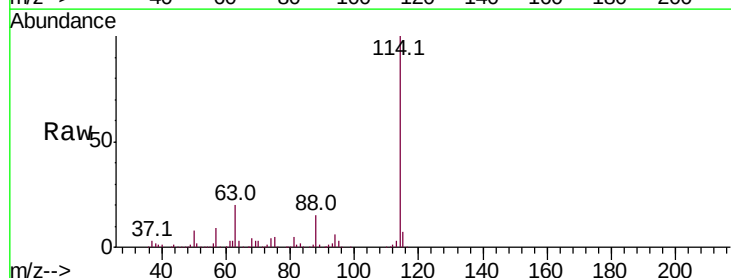
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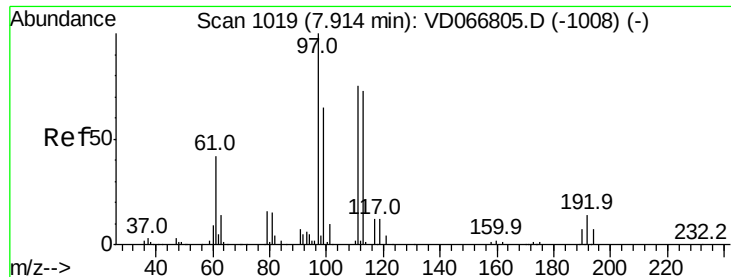
Tot Ion: 65 Resp: 209525
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

Tgt Ion: 114 Resp: 716279
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 14.9 0.0 32.6

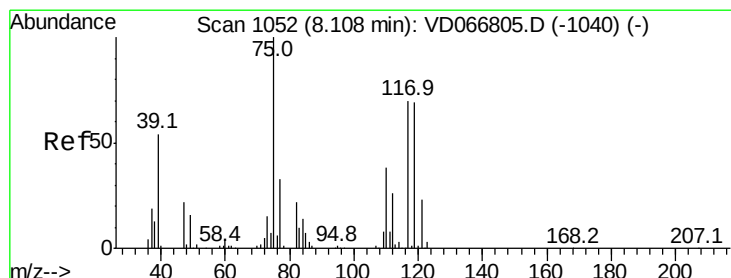
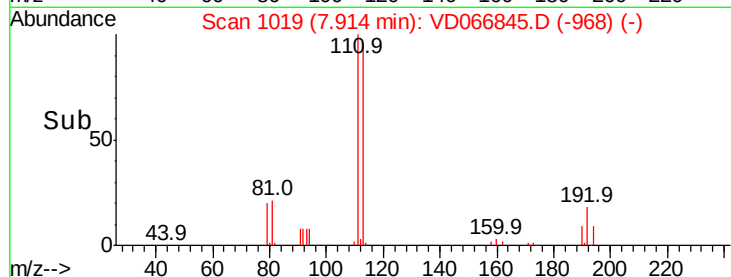
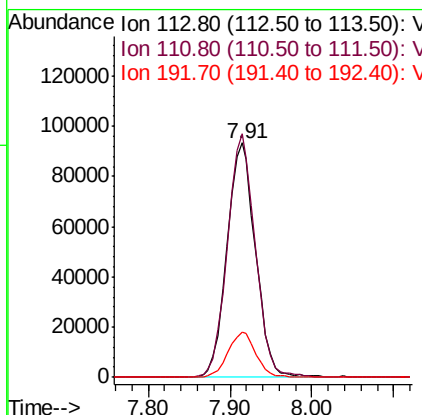
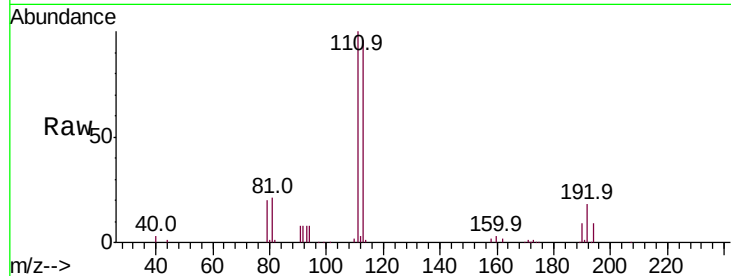




#35
 Dibromofluoromethane
 Concen: 49.590 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

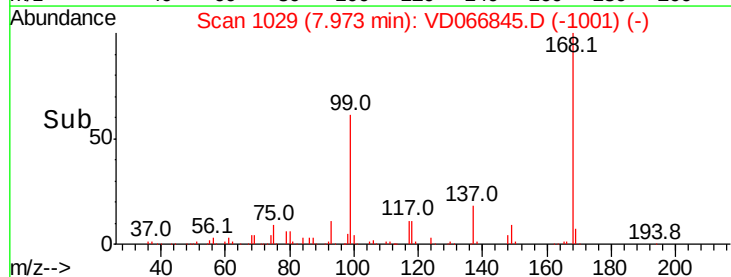
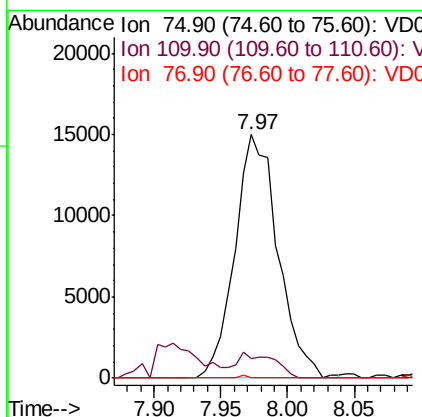
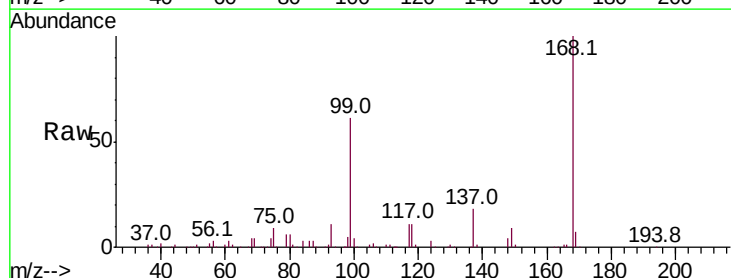
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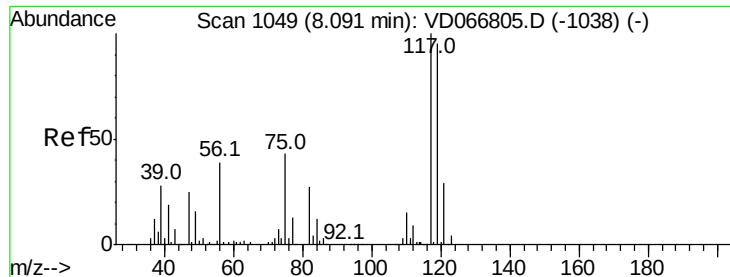
Tot Ion:113 Resp: 225979
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.8
 192 18.7 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.725 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

Tgt Ion: 75 Resp: 33574
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.9 53.8#
 77 0.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.511 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066845.D

Acq: 24 Sep 2020 12:30

Instrument :

MSVOA_D

ClientSampled :

CS-20

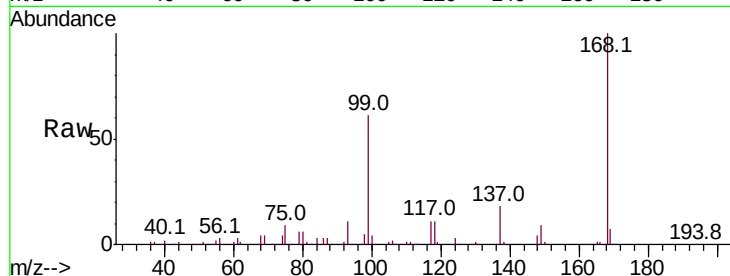
Tot Ion:117 Resp: 42815

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

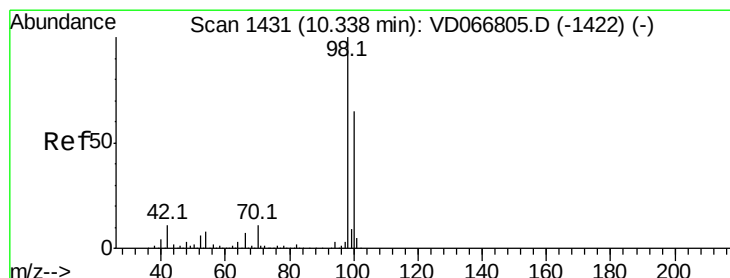
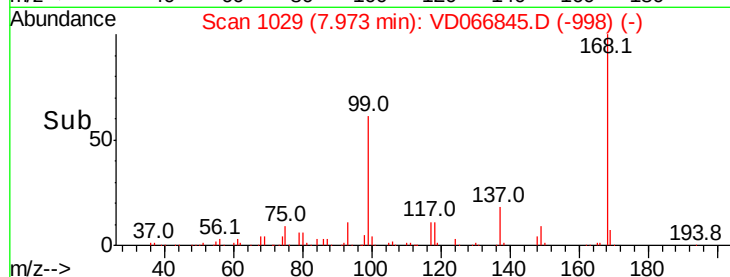
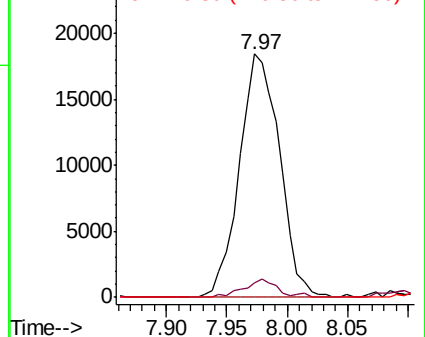
121 0.0 23.4 35.0#



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



#50

Toluene-d8

Concen: 54.677 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066845.D

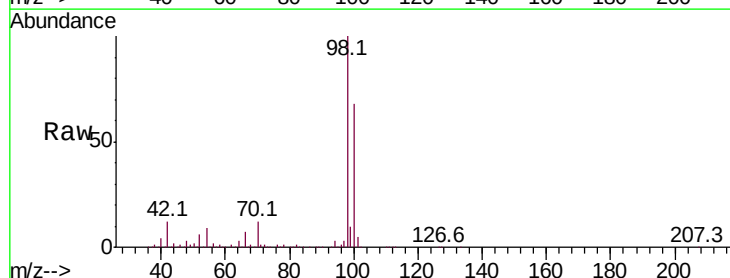
Acq: 24 Sep 2020 12:30

Tgt Ion: 98 Resp: 848933

Ion Ratio Lower Upper

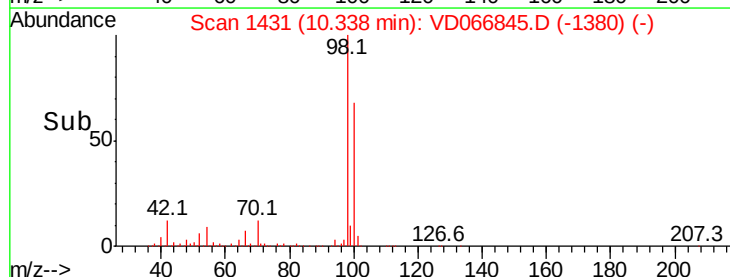
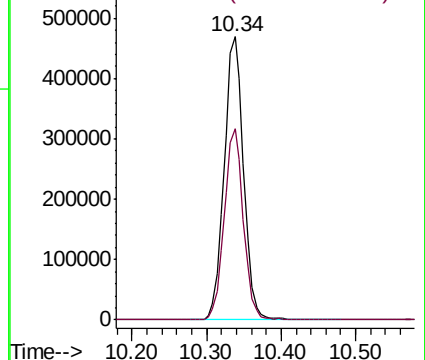
98 100

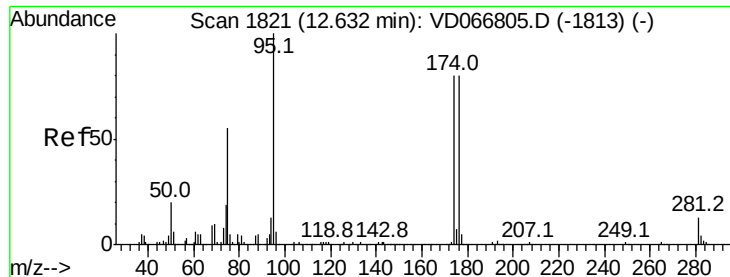
100 66.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

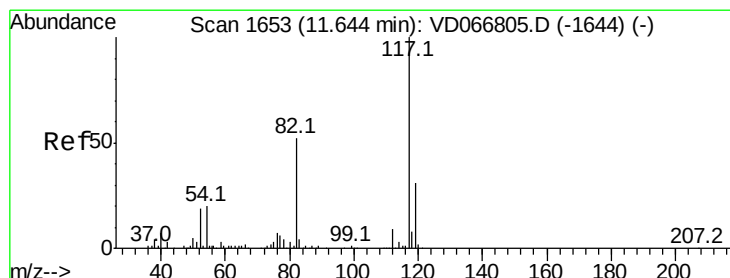
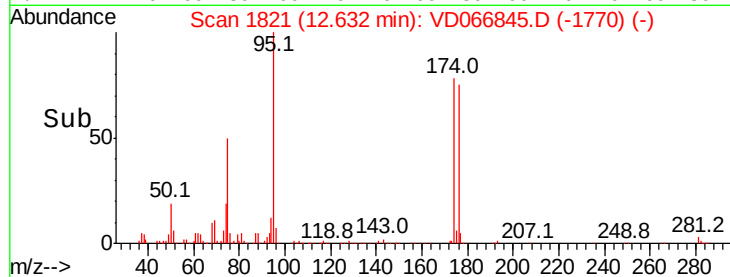
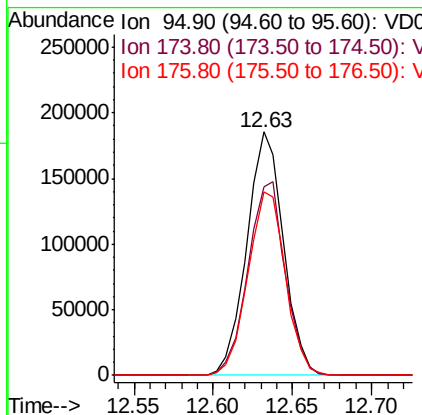
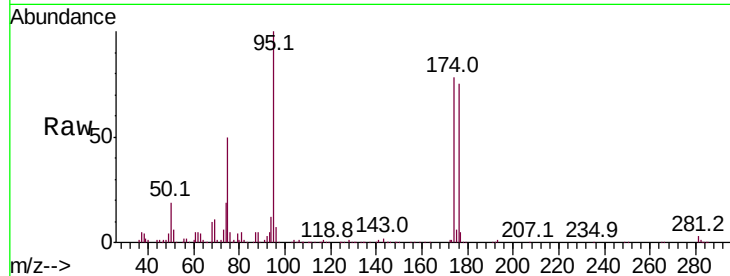




#62
4-Bromofluorobenzene
Concen: 56.067 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066845.D
Acq: 24 Sep 2020 12:30

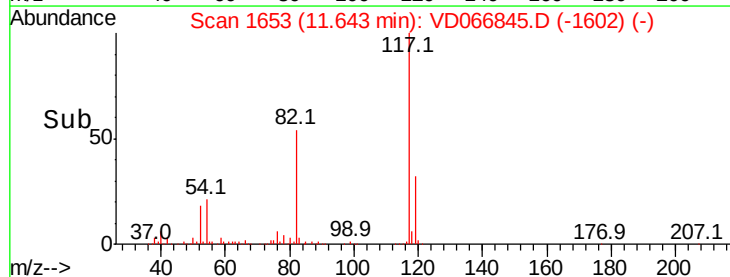
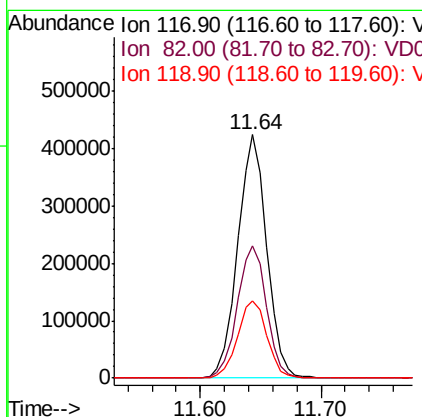
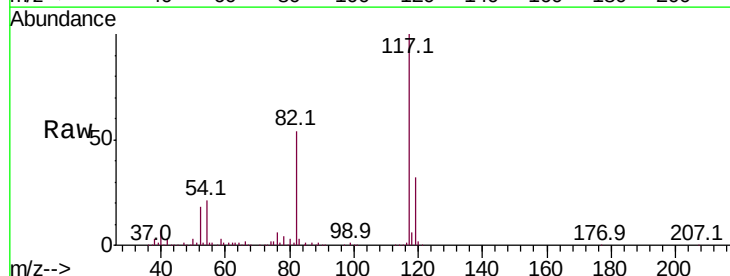
Instrument :
MSVOA_D
ClientSampleId :
CS-20

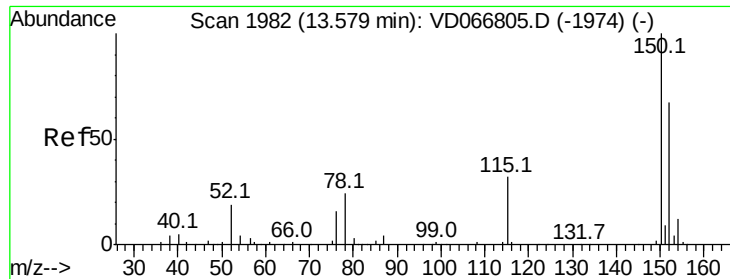
Tot Ion	95	Resp	298009
Ion Ratio	Lower	Upper	
95	100		
174	80.8	0.0	159.8
176	77.1	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066845.D
Acq: 24 Sep 2020 12:30

Tgt Ion	117	Resp	708339
Ion Ratio	Lower	Upper	
117	100		
82	54.5	41.8	62.6
119	31.7	24.6	37.0

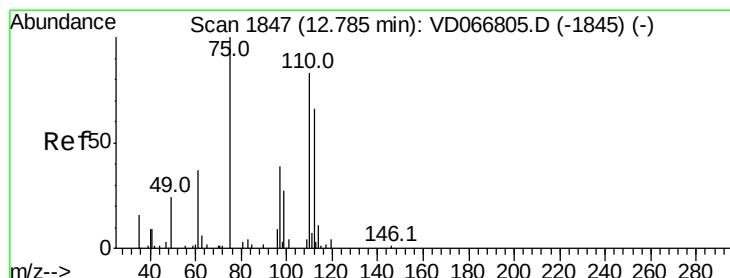
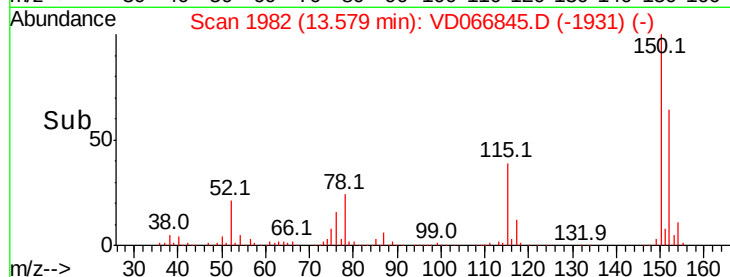
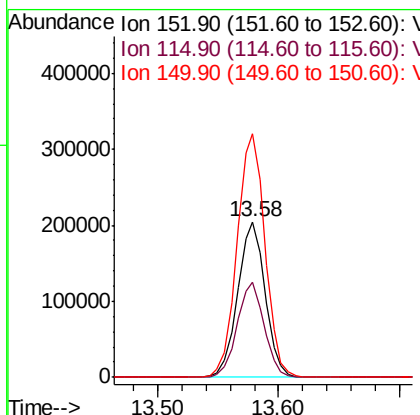
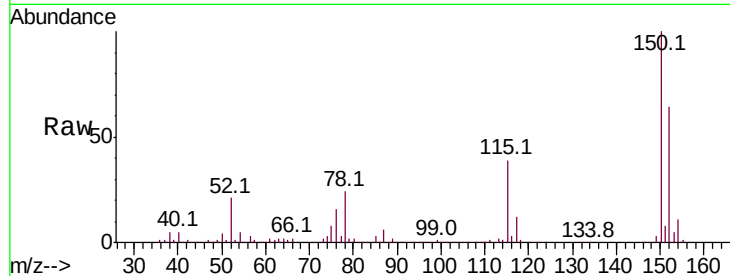




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

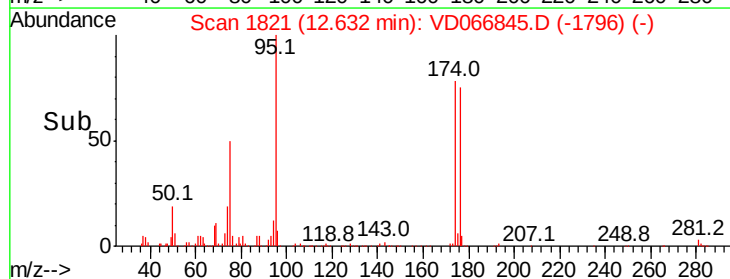
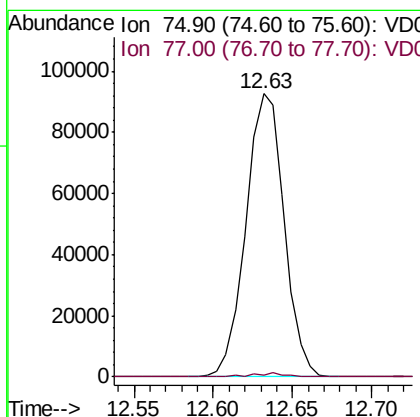
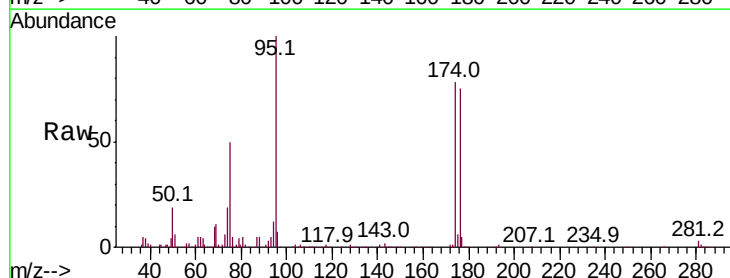
Instrument :
 MSVOA_D
 ClientSampleID :
 CS-20

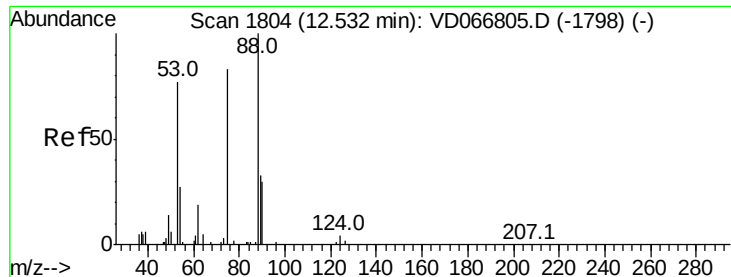
Tot Ion:152 Resp: 324029
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.3 91.0
 150 158.4 0.0 346.2



#76
 1,2,3-Trichloropropane
 Concen: 57.825 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066845.D
 Acq: 24 Sep 2020 12:30

Tgt Ion: 75 Resp: 155277
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.673 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066845.D

Acq: 24 Sep 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

CS-20

Tot Ion: 75 Resp: 155277

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 38.1 57.1#

