

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066844.D
 Acq On : 24 Sep 2020 12:03
 Operator : VA/SY
 Sample : L4125-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-19

Quant Time: Sep 25 01:09:09 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	417719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	736236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	727018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	339394	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	219232	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
35) Dibromofluoromethane	7.91	113	236092	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.34	98	887927	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
62) 4-Bromofluorobenzene	12.63	95	311200	56.96	ug/l	0.00
Spiked Amount			Recovery	=	113.92%	

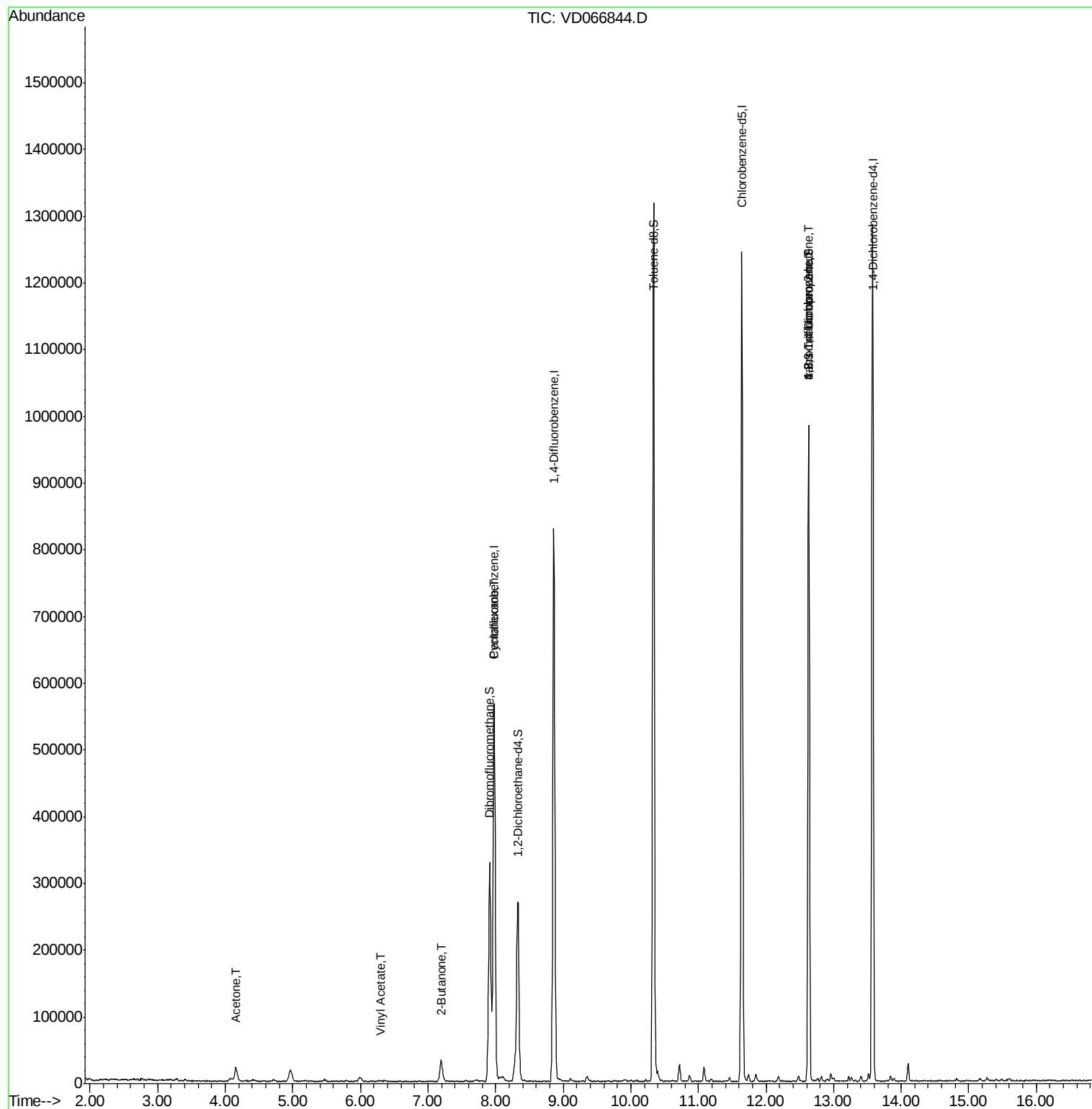
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1690	Below Cal	#	51
11) Tert butyl alcohol	5.21	59	156	Below Cal	#	72
16) Acetone	4.16	43	36715	42.332	ug/l	96
18) Methyl Acetate	4.71	43	535	Below Cal	#	50
20) Methylene Chloride	4.97	84	13562	Below Cal	#	93
23) Vinyl Acetate	6.30	43	267	2.711	ug/l #	71
25) 2-Butanone	7.20	43	2197	2.108	ug/l #	46
31) Cyclohexane	7.99	56	11000	1.480	ug/l #	5
49) 1,4-Dioxane	9.46	88	174	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	161838	57.540	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161838	143.959	ug/l #	10

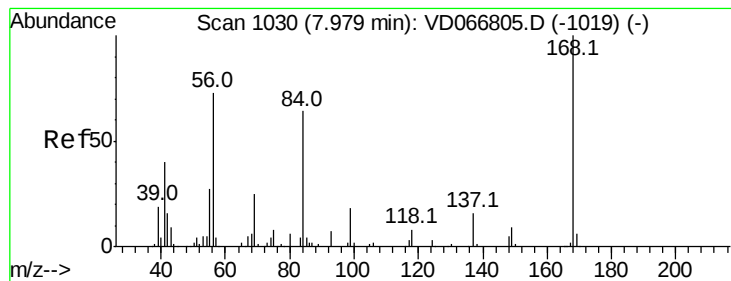
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

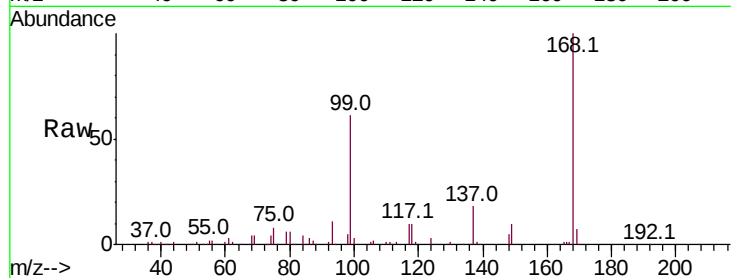
CS-19

Tot Ion:168 Resp: 417719

Ion Ratio Lower Upper

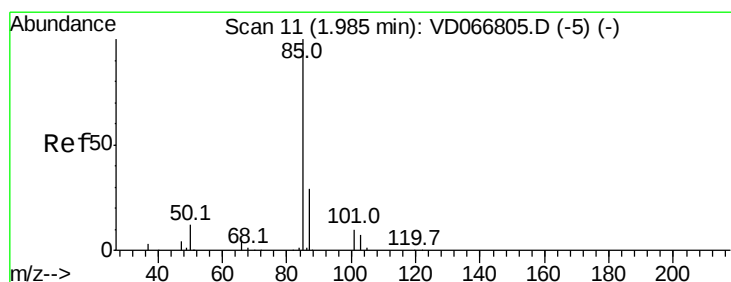
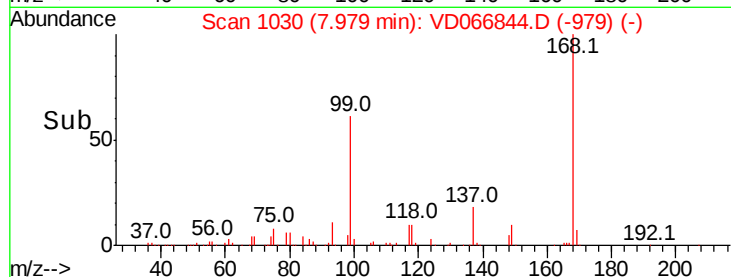
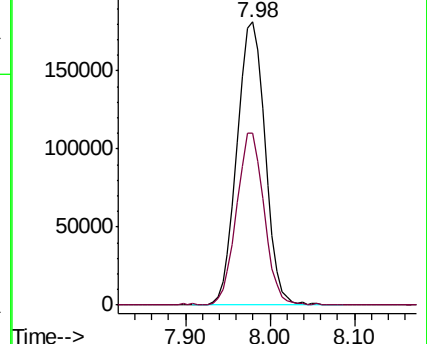
168 100

99 60.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066844.D

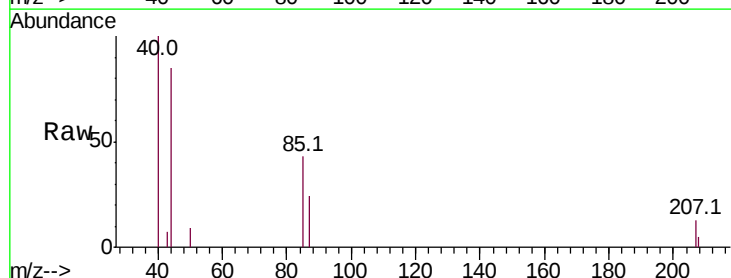
Acq: 24 Sep 2020 12:03

Tgt Ion: 85 Resp: 1690

Ion Ratio Lower Upper

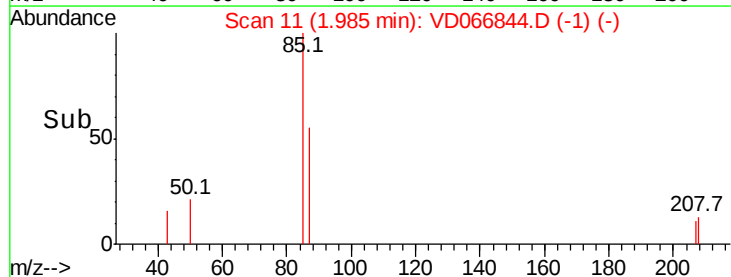
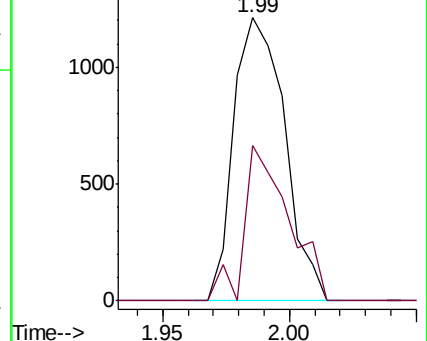
85 100

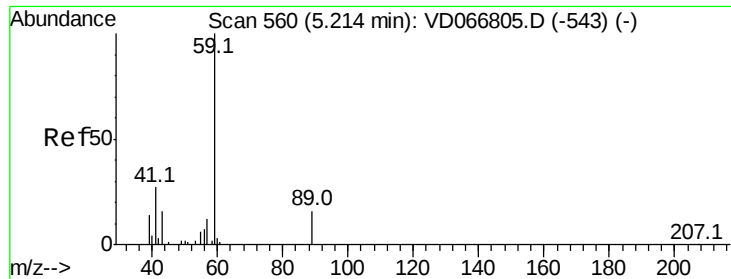
87 55.1 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

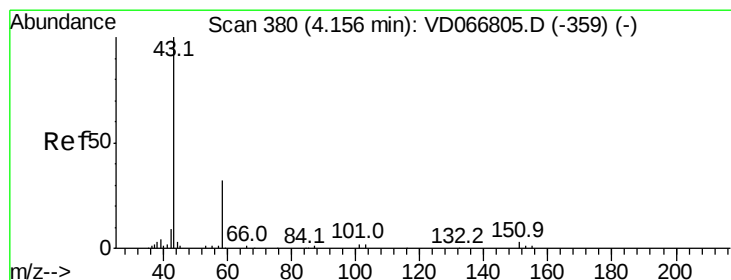
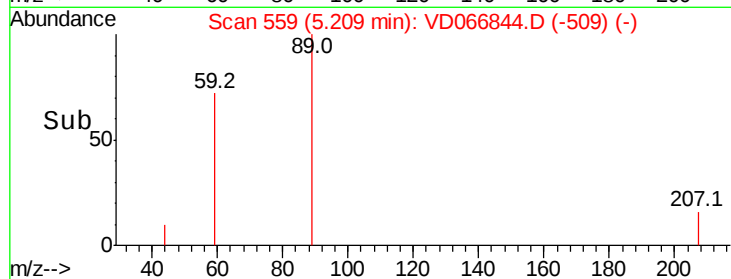
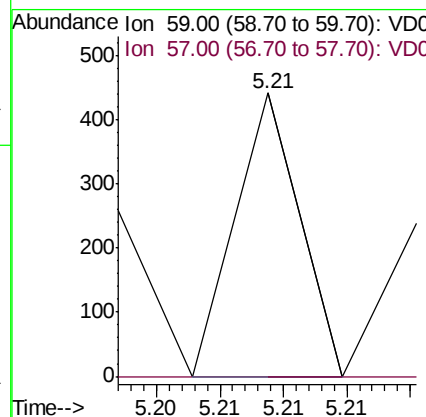
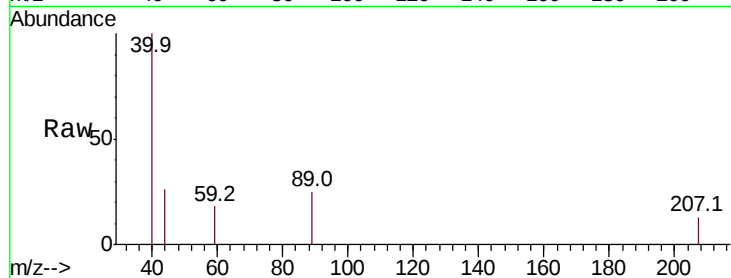




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066844.D
Acq: 24 Sep 2020 12:03

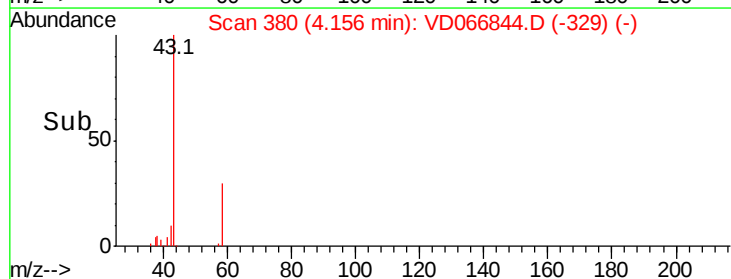
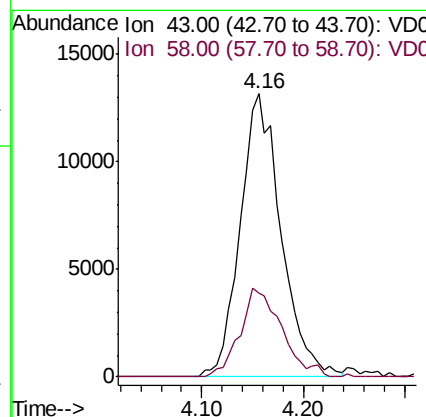
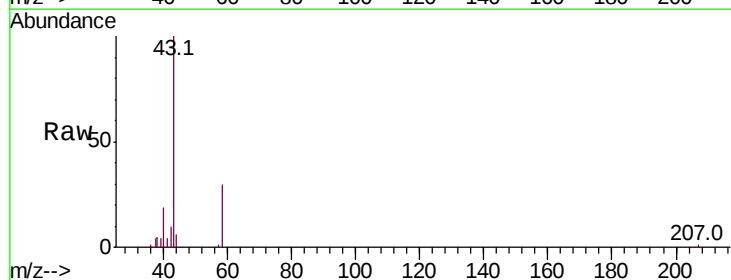
Instrument :
MSVOA_D
ClientSampleID :
CS-19

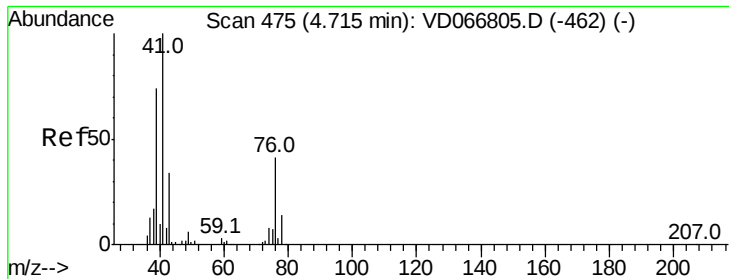
Tot Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 42.332 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD066844.D
Acq: 24 Sep 2020 12:03

Tgt Ion: 43 Resp: 36715
Ion Ratio Lower Upper
43 100
58 29.7 25.6 38.4





#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

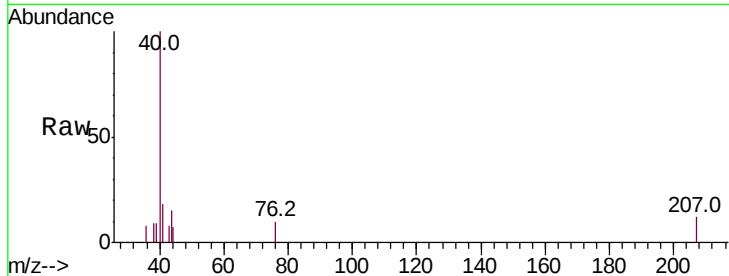
CS-19

Tot Ion: 43 Resp: 535

Ion Ratio Lower Upper

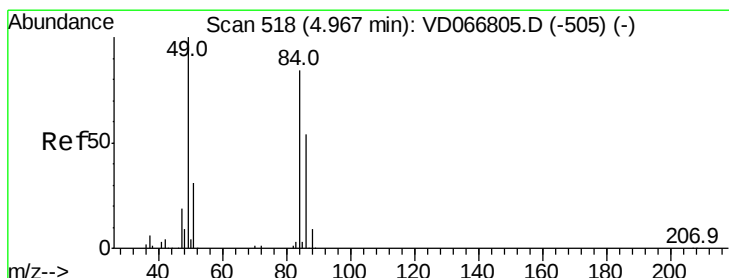
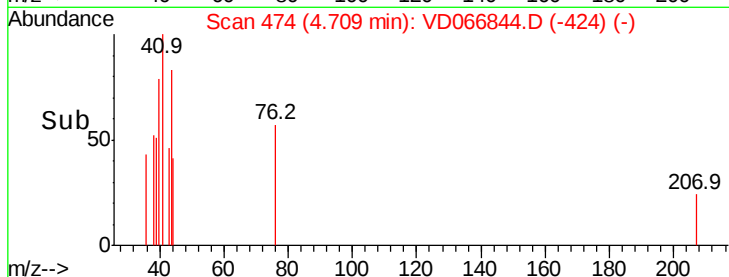
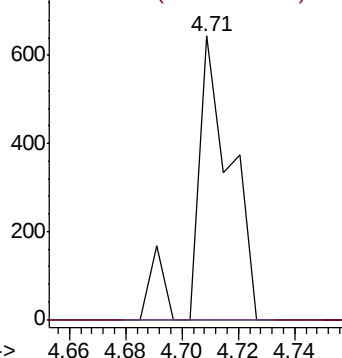
43 100

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# 518

Delta R.T. 0.00 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

Tgt Ion: 84 Resp: 13562

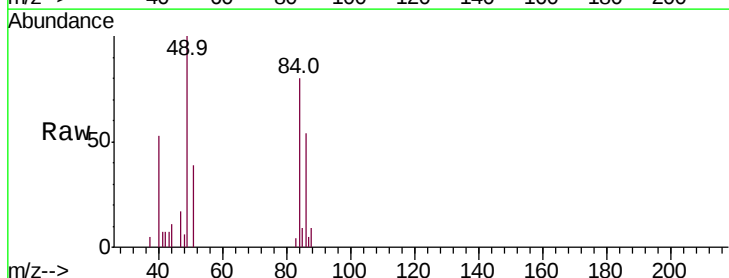
Ion Ratio Lower Upper

84 100

49 124.9 95.4 143.2

51 49.2 29.7 44.5#

86 67.1 51.4 77.2

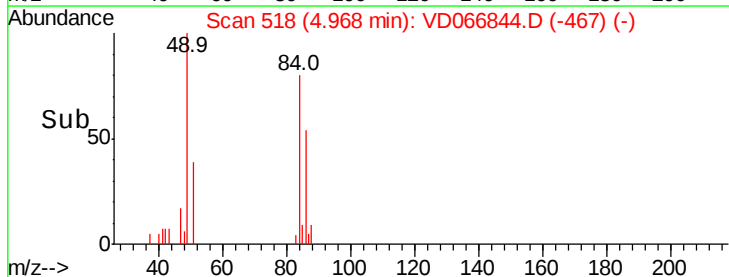
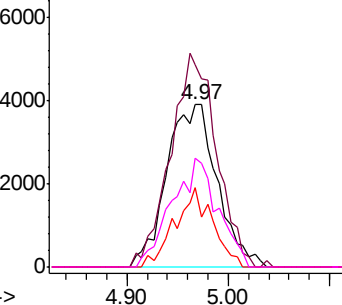


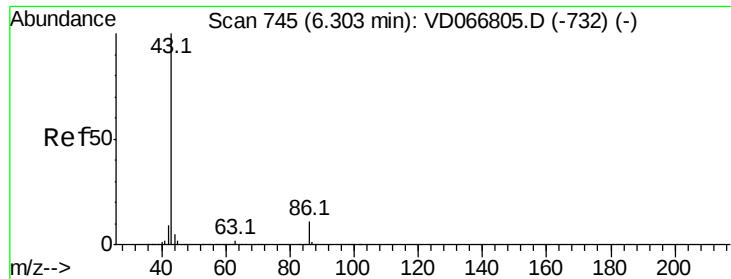
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.711 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampled :

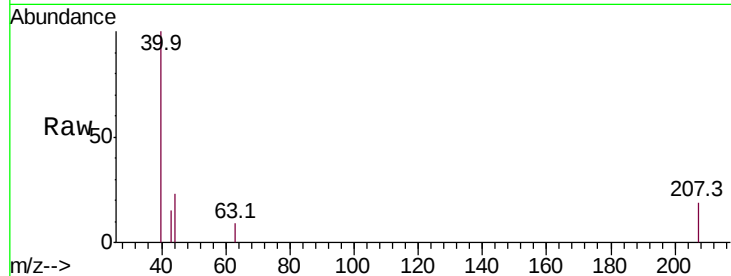
CS-19

Tot Ion: 43 Resp: 267

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

400

300

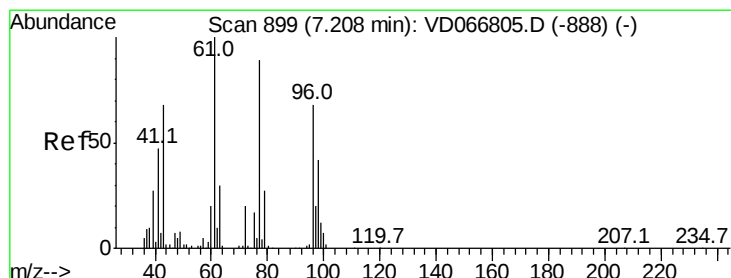
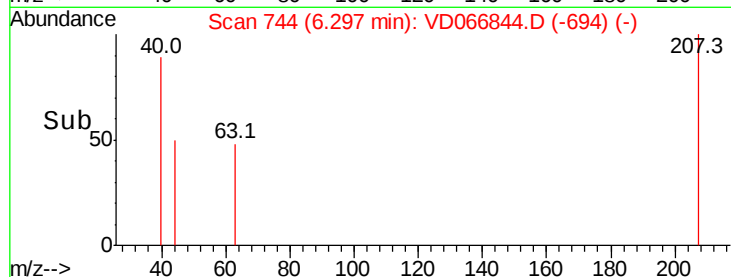
200

100

0

6.29 6.30 6.31

Time-->



#25

2-Butanone

Concen: 2.108 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066844.D

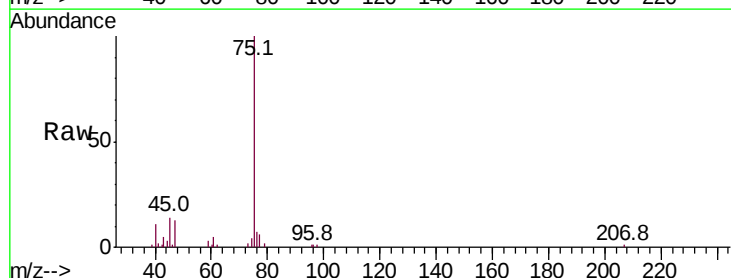
Acq: 24 Sep 2020 12:03

Tgt Ion: 43 Resp: 2197

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

7.20

1000

800

600

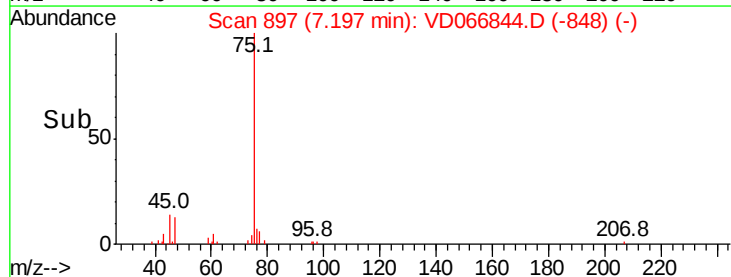
400

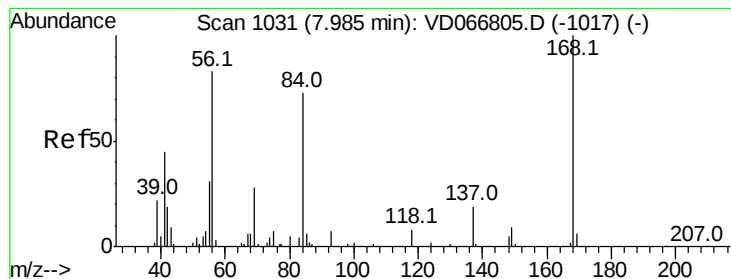
200

0

7.10 7.15 7.20 7.25

Time-->





#31

Cyclohexane

Concen: 1.480 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampled :

CS-19

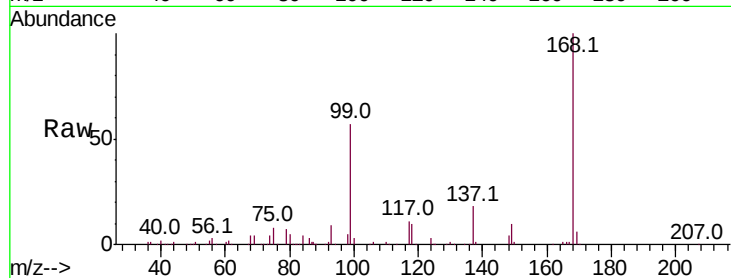
Tot Ion: 56 Resp: 11000

Ion Ratio Lower Upper

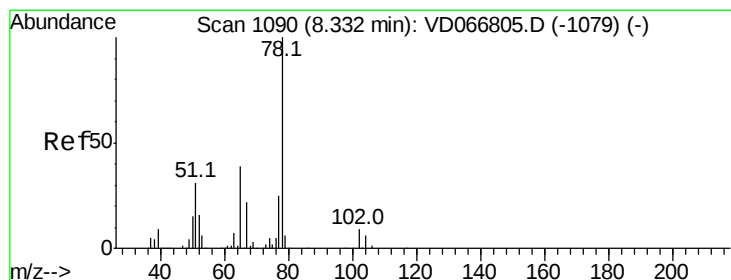
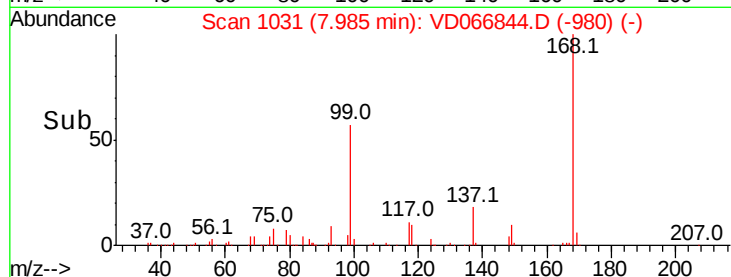
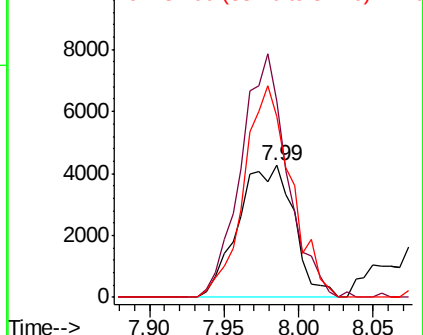
56 100

69 149.3 27.0 40.4#

84 137.2 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



#33

1,2-Dichloroethane-d4

Concen: 53.622 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066844.D

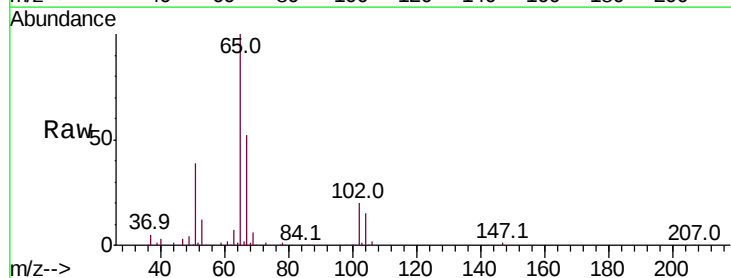
Acq: 24 Sep 2020 12:03

Tgt Ion: 65 Resp: 219232

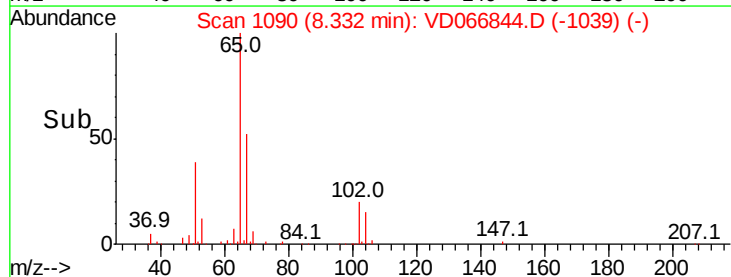
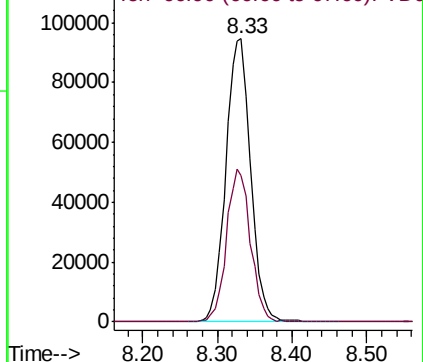
Ion Ratio Lower Upper

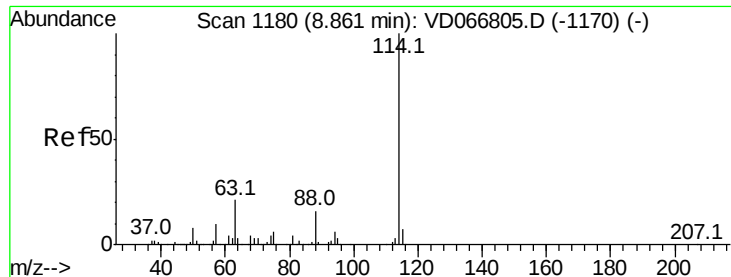
65 100

67 52.1 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: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

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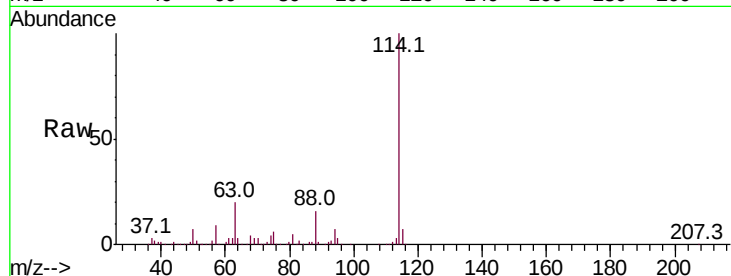
Tot Ion:114 Resp: 736236

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

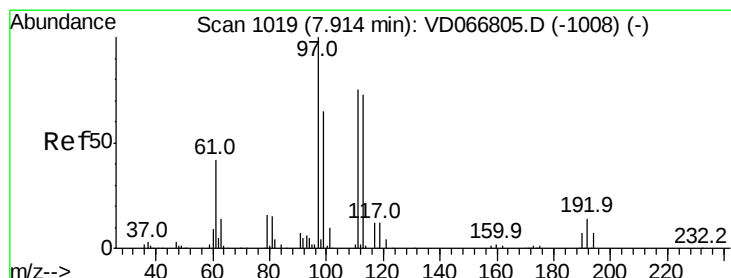
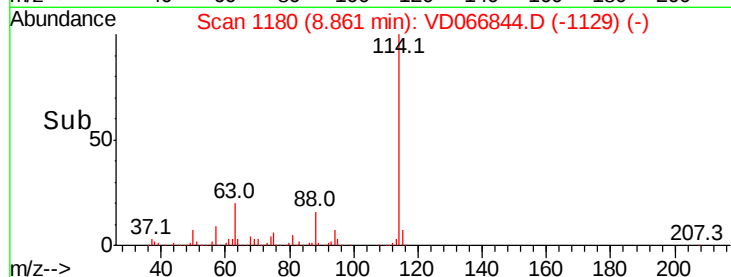
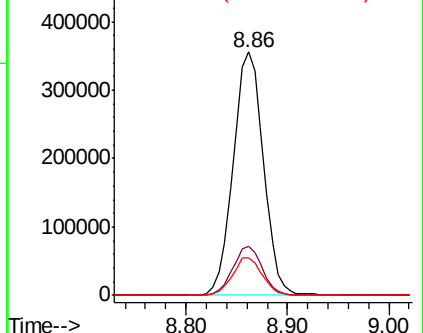
88 15.5 0.0 32.6



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: 50.405 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

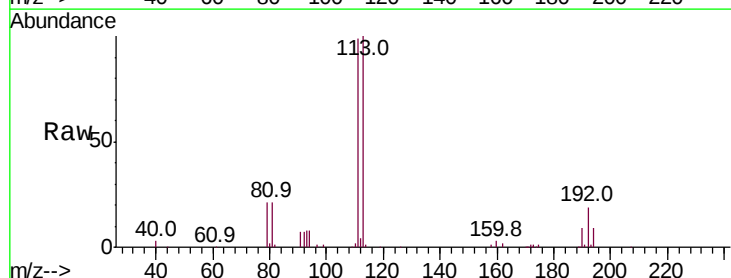
Tgt Ion:113 Resp: 236092

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

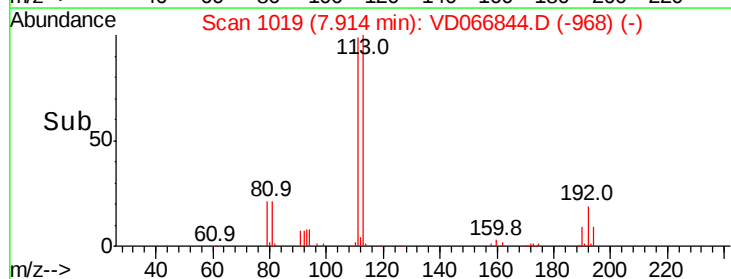
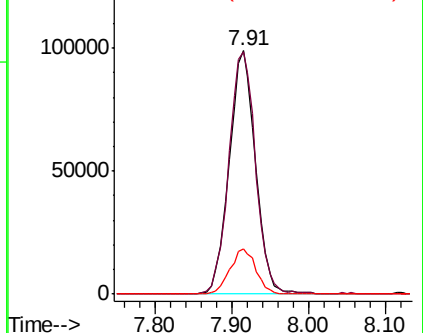
192 18.4 14.4 21.6

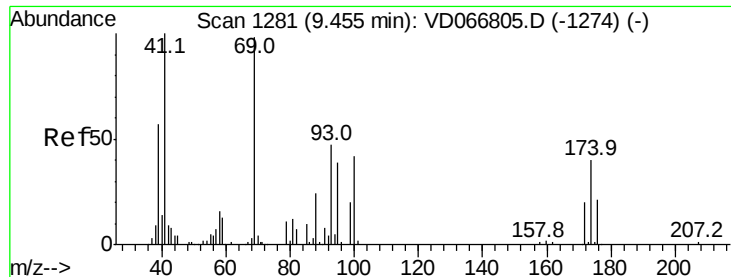


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

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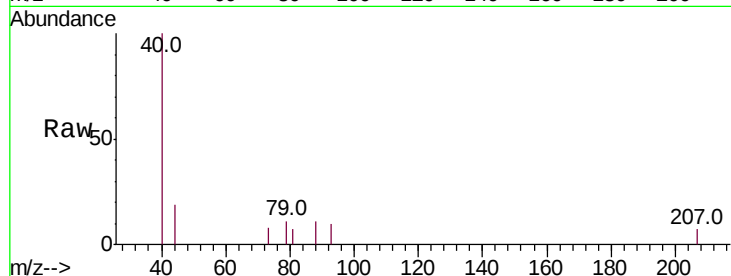
Tot Ion: 88 Resp: 174

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

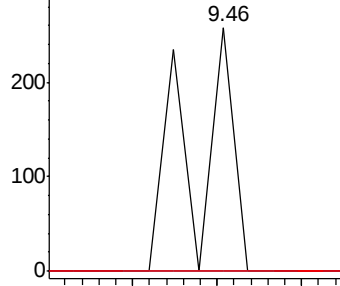
58 0.0 55.5 83.3#



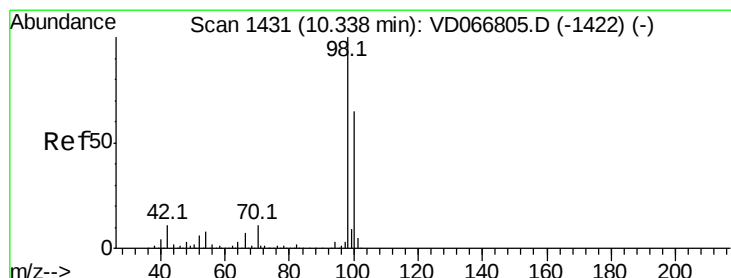
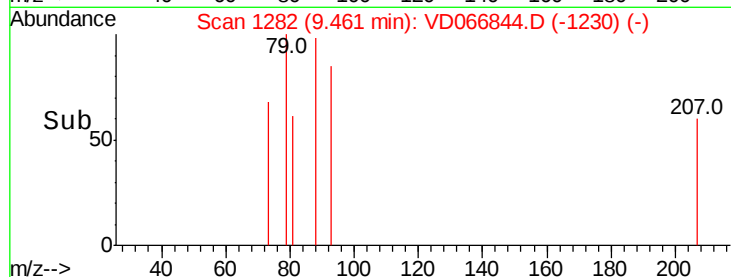
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#50

Toluene-d8

Concen: 55.638 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066844.D

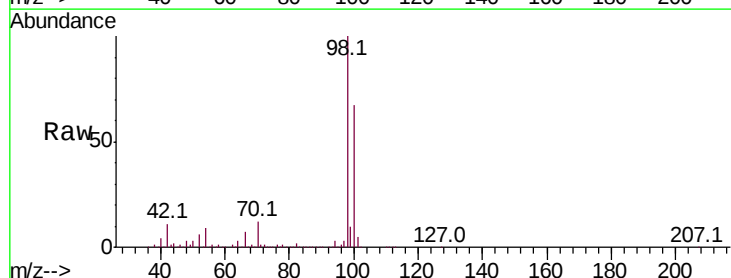
Acq: 24 Sep 2020 12:03

Tgt Ion: 98 Resp: 887927

Ion Ratio Lower Upper

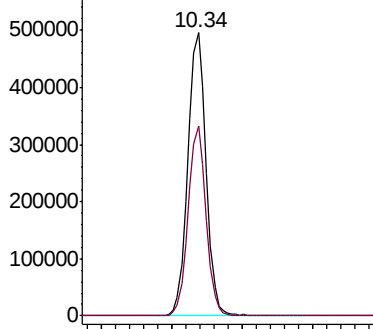
98 100

100 66.0 52.2 78.2

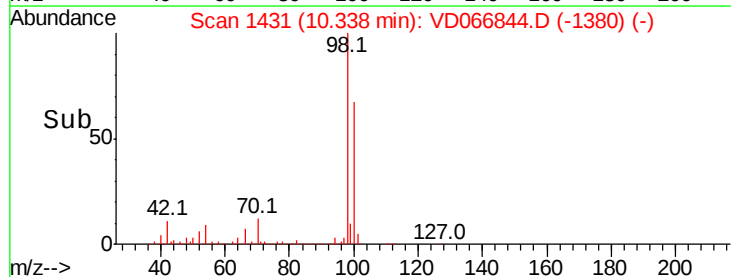


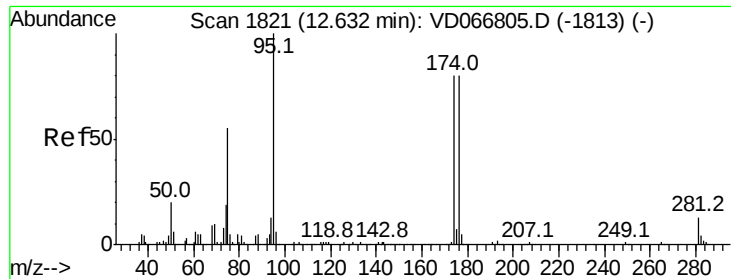
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->

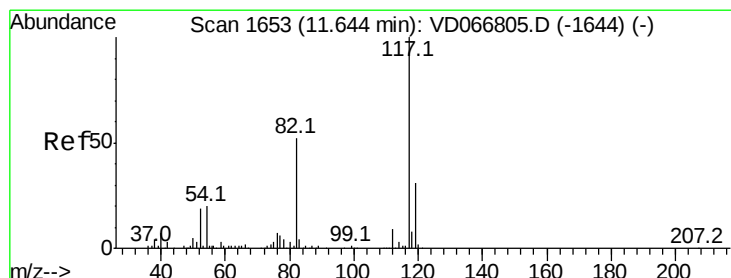
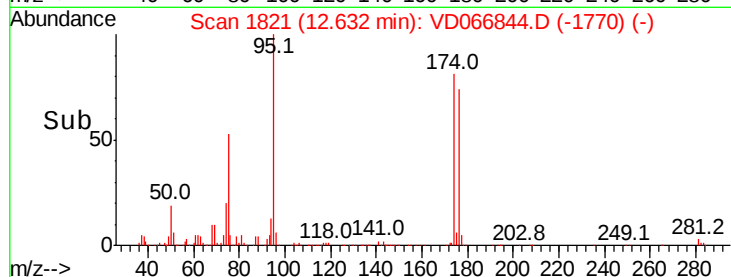
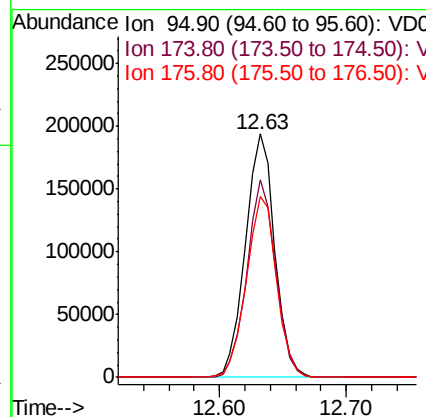
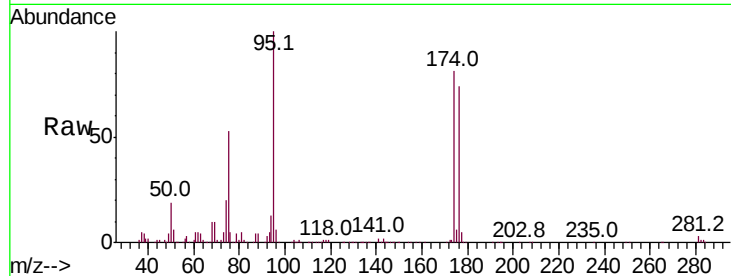




#62
4-Bromofluorobenzene
Concen: 56.962 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066844.D
Acq: 24 Sep 2020 12:03

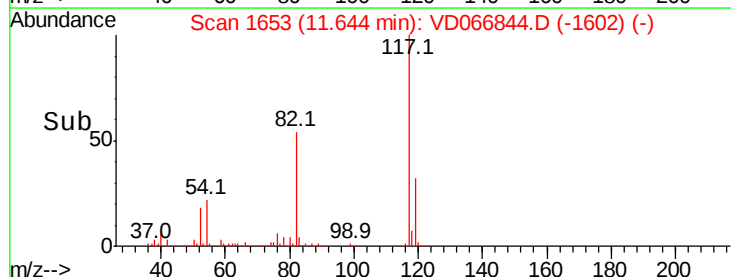
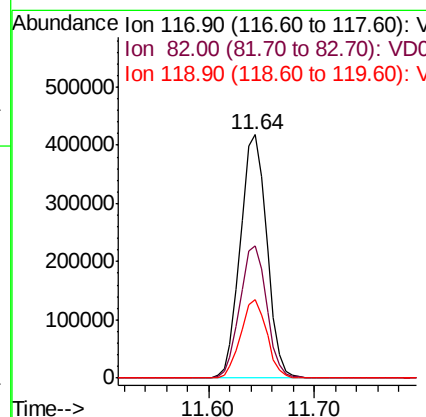
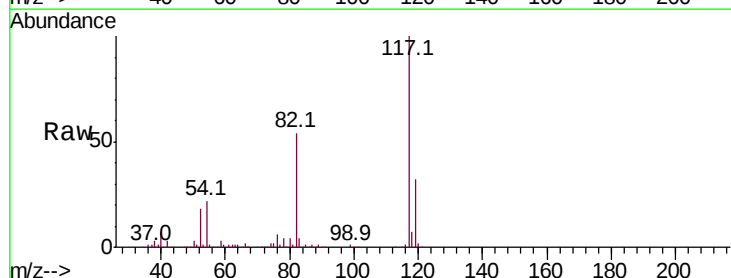
Instrument :
MSVOA_D
ClientSampleId :
CS-19

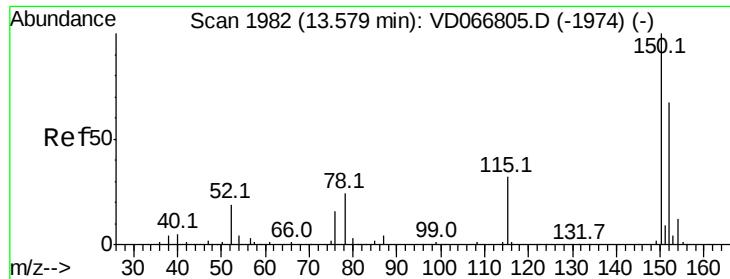
Tot Ion: 95 Resp: 311200
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.8
176 76.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066844.D
Acq: 24 Sep 2020 12:03

Tgt Ion: 117 Resp: 727018
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.6
119 32.1 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: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

CS-19

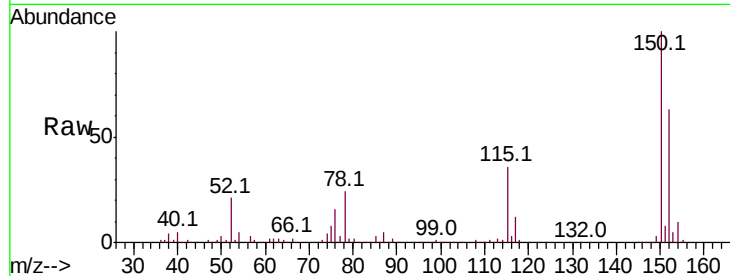
Tot Ion:152 Resp: 339394

Ion Ratio Lower Upper

152 100

115 58.9 30.3 91.0

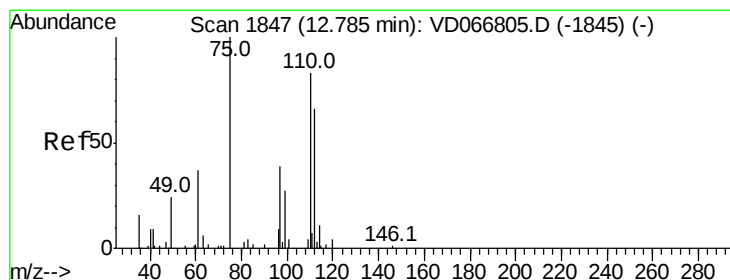
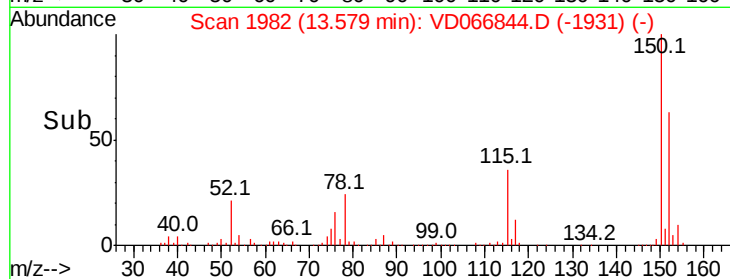
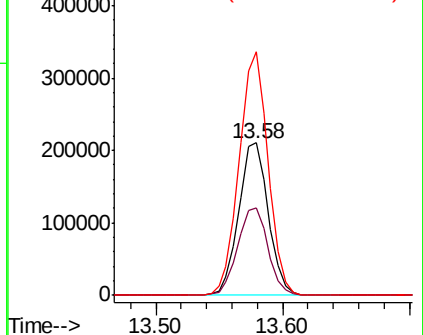
150 156.6 0.0 346.2



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: 57.540 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066844.D

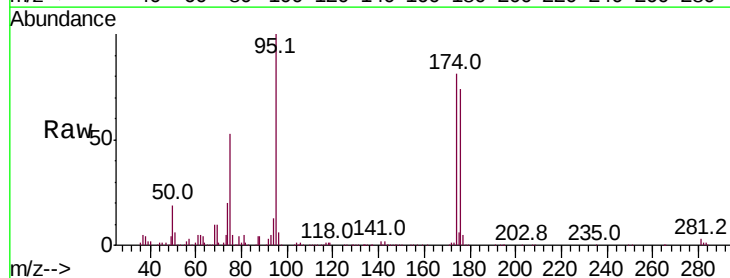
Acq: 24 Sep 2020 12:03

Tgt Ion: 75 Resp: 161838

Ion Ratio Lower Upper

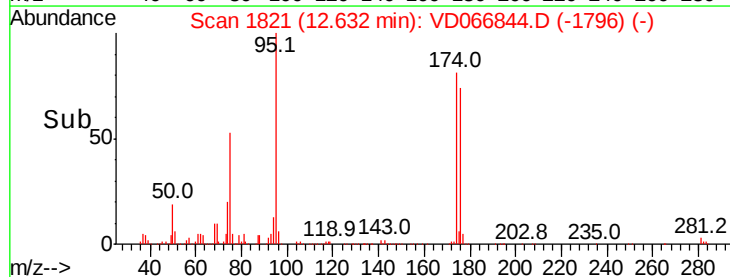
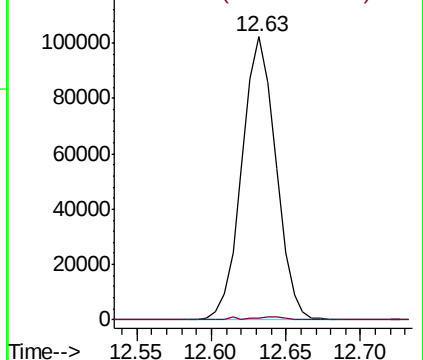
75 100

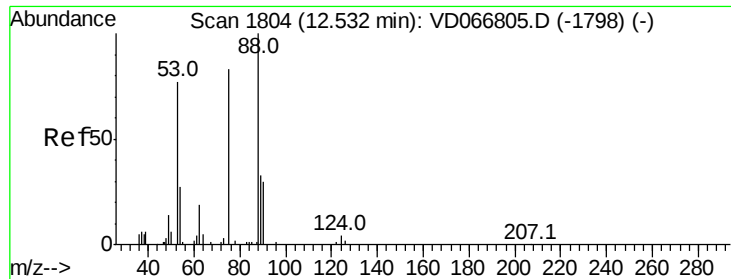
77 1.2 0.0 0.0#



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: 143.959 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066844.D

Acq: 24 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

CS-19

Tot Ion: 75 Resp: 161838

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#

