

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066854.D
 Acq On : 24 Sep 2020 16:38
 Operator : VA/SY
 Sample : L4125-11
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-29

Quant Time: Sep 25 01:10:20 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	382512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	684693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	693435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	313143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206759	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
35) Dibromofluoromethane	7.91	113	220275	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	836232	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.63	95	294821	58.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.06%	

Target Compounds

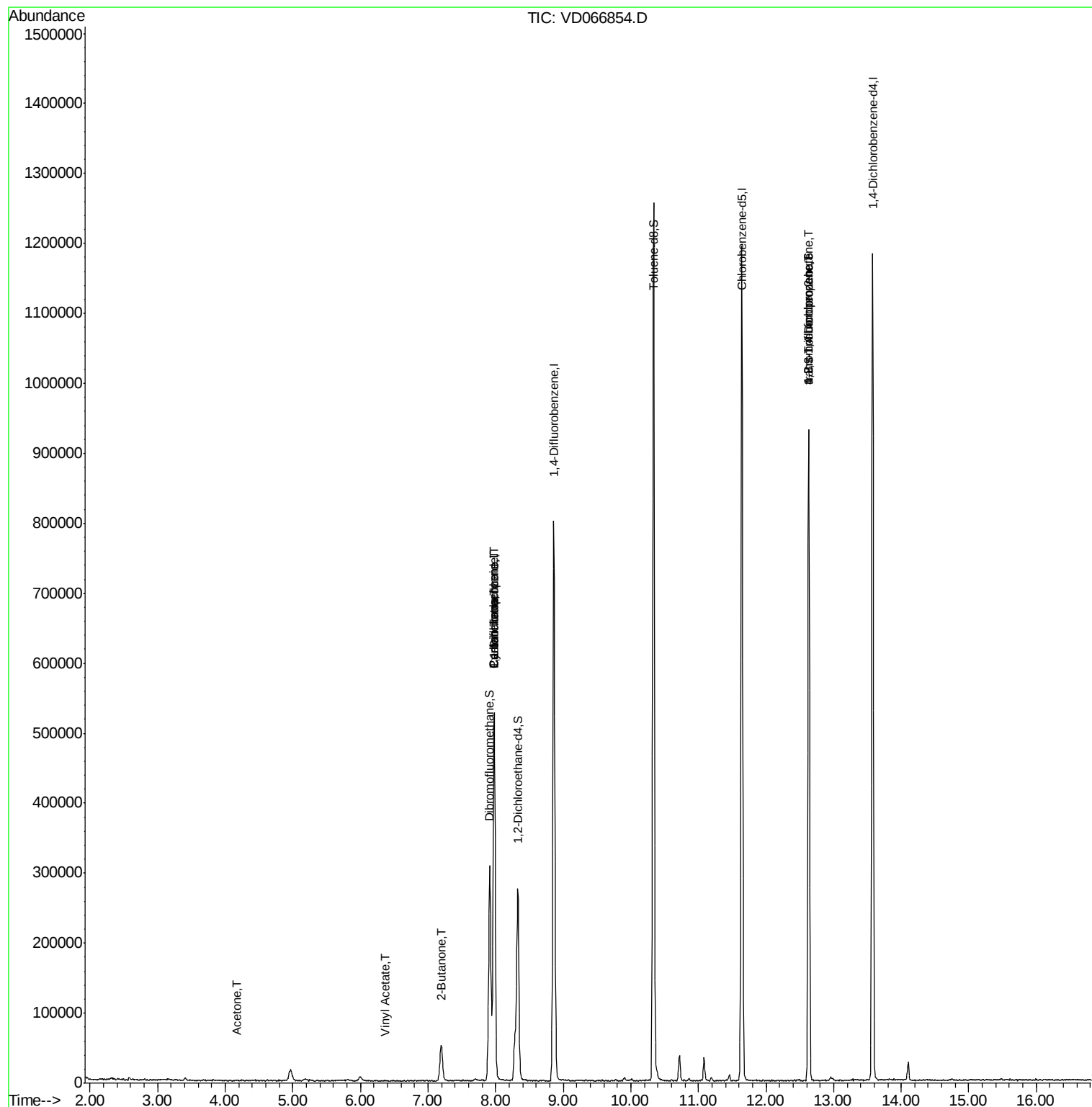
						Qvalue
2) Dichlorodifluoromethane	1.99	85	219	Below Cal	#	23
11) Tert butyl alcohol	5.19	59	2189	Below Cal	#	72
16) Acetone	4.17	43	940	1.184	ug/l #	43
18) Methyl Acetate	4.62	43	66	Below Cal	#	50
20) Methylene Chloride	4.97	84	12245	Below Cal	#	76
23) Vinyl Acetate	6.37	43	53	2.680	ug/l #	71
25) 2-Butanone	7.20	43	1801	1.887	ug/l #	88
31) Cyclohexane	7.97	56	8110	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	32874	4.840	ug/l #	51
38) Carbon Tetrachloride	7.98	117	40999	5.521	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	156757	60.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156757	151.129	ug/l #	10

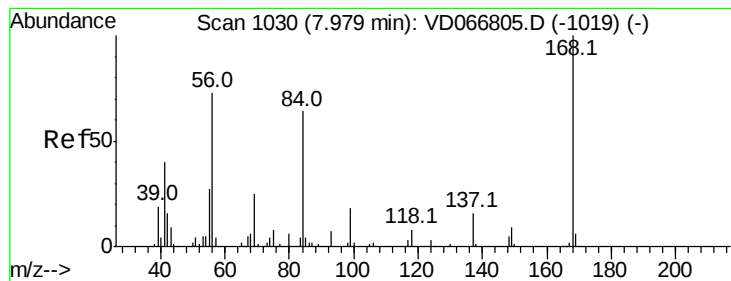
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : VA/SY
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CS-29

Quant Time: Sep 25 01:10:20 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: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleID :

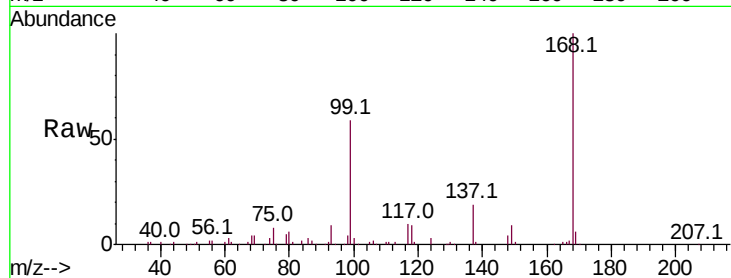
CS-29

Tot Ion:168 Resp: 382512

Ion Ratio Lower Upper

168 100

99 59.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

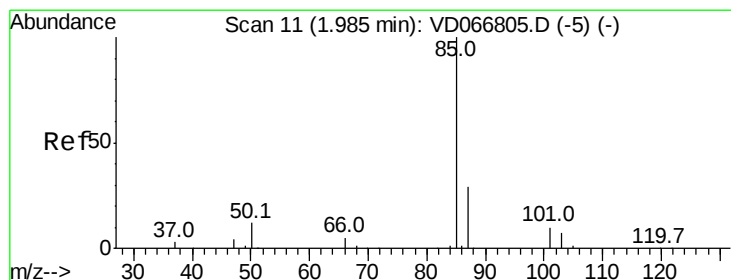
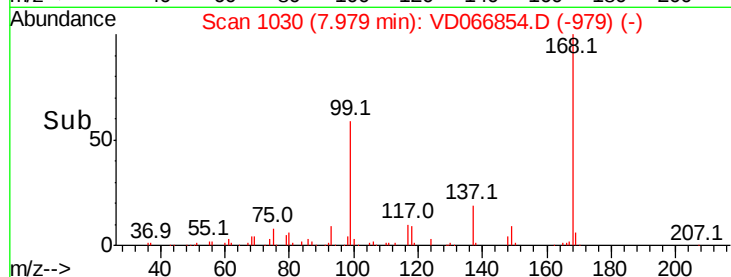
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066854.D

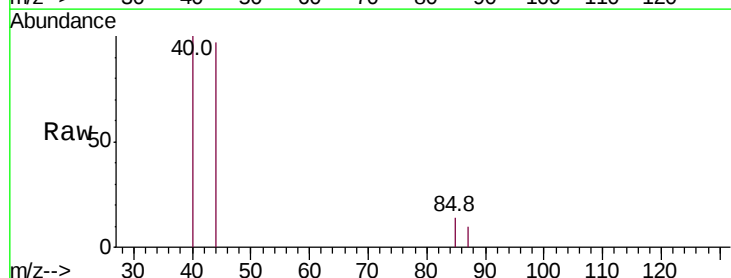
Acq: 24 Sep 2020 16:38

Tgt Ion: 85 Resp: 219

Ion Ratio Lower Upper

85 100

87 70.1 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

400

300

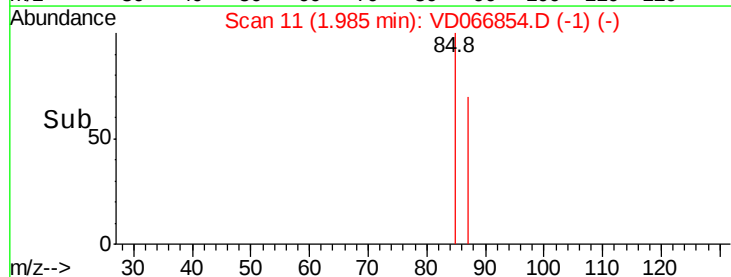
200

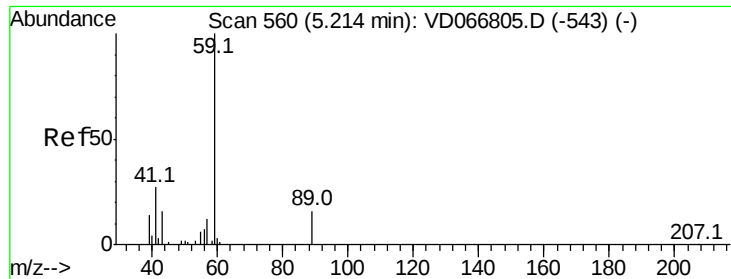
100

0

1.96 1.98 2.00

Time-->



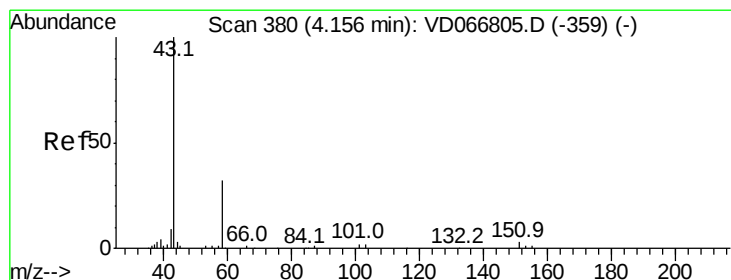
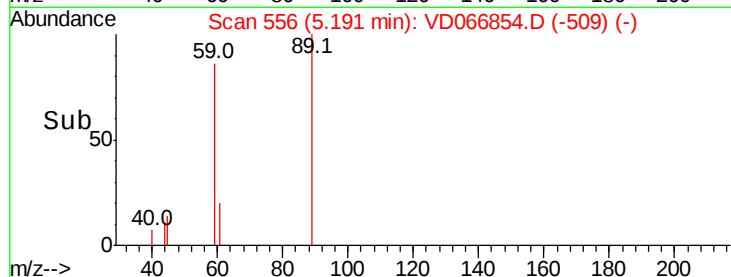
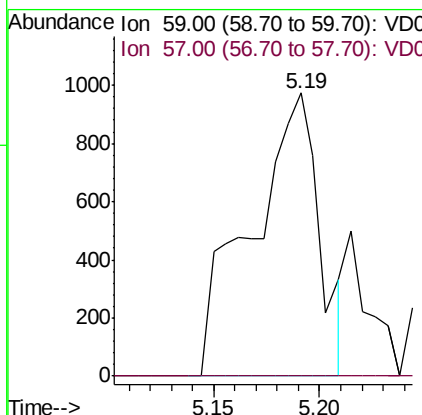
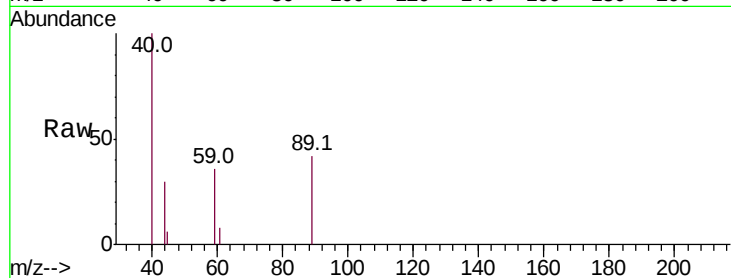


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066854.D
 Acq: 24 Sep 2020 16:38

Instrument :
 MSVOA_D
 ClientSampled :
 CS-29

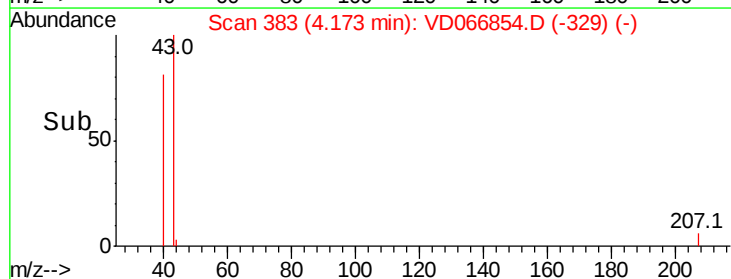
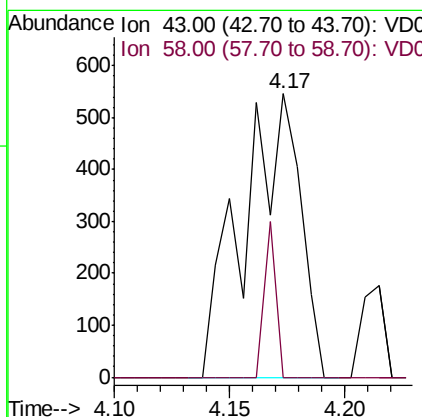
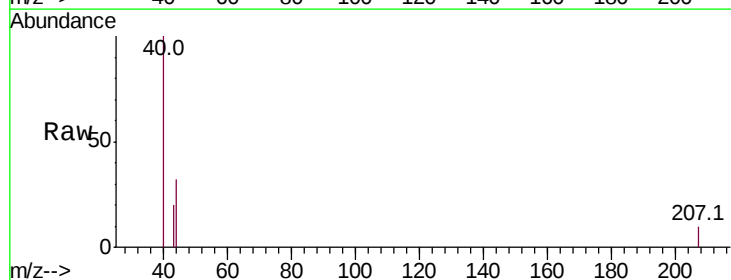
Tot Ion: 59 Resp: 2189
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

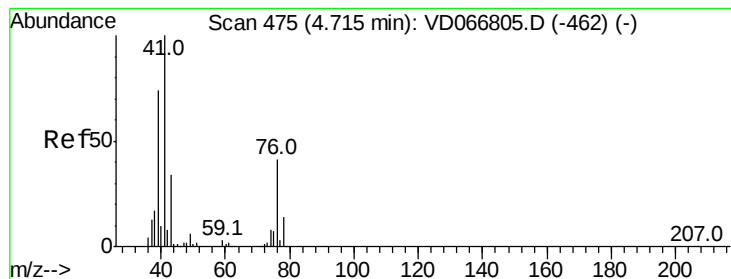


#16

Acetone
 Concen: 1.184 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066854.D
 Acq: 24 Sep 2020 16:38

Tgt Ion: 43 Resp: 940
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.62 min Scan# 459

Delta R.T. -0.09 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

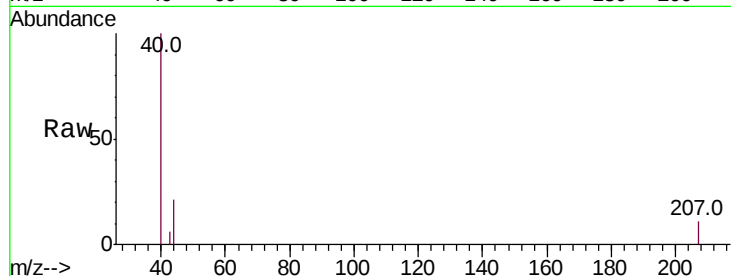
CS-29

Tot Ion: 43 Resp: 66

Ion Ratio Lower Upper

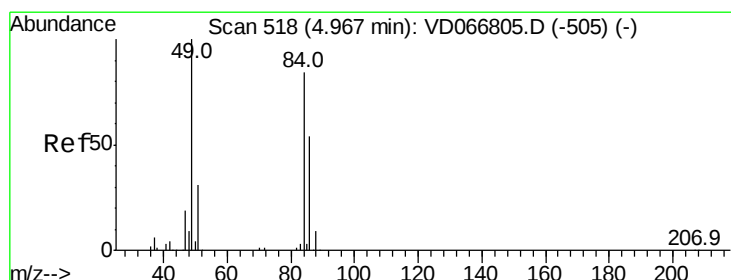
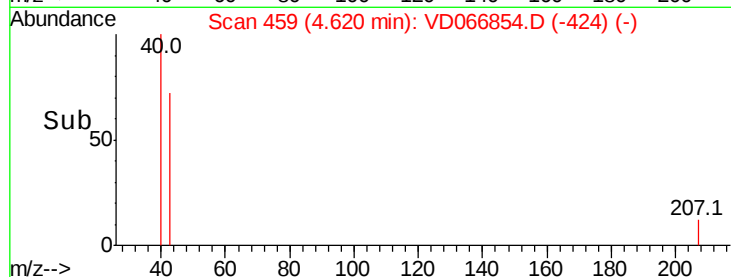
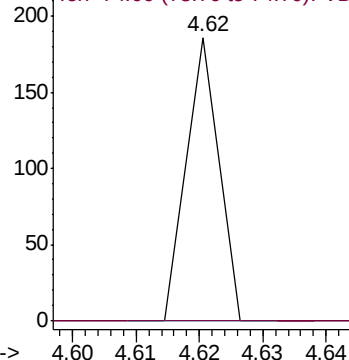
43 100

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: VD066854.D

Acq: 24 Sep 2020 16:38

Tgt Ion: 84 Resp: 12245

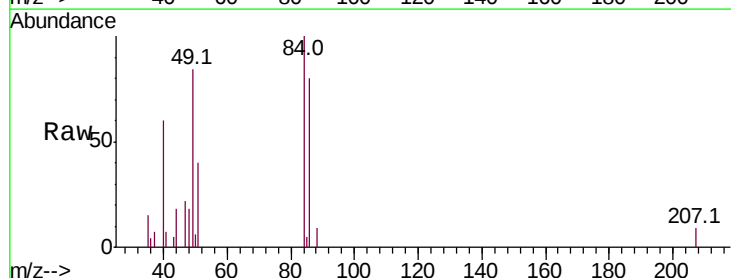
Ion Ratio Lower Upper

84 100

49 84.0 95.4 143.2#

51 39.7 29.7 44.5

86 79.8 51.4 77.2#

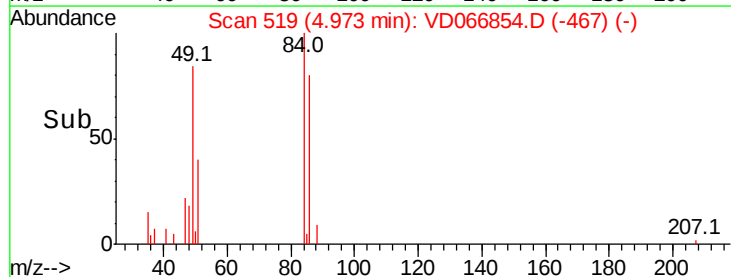
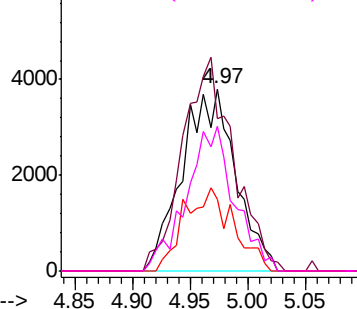


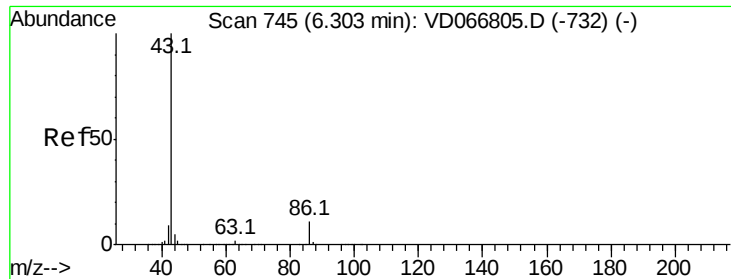
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.680 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.07 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

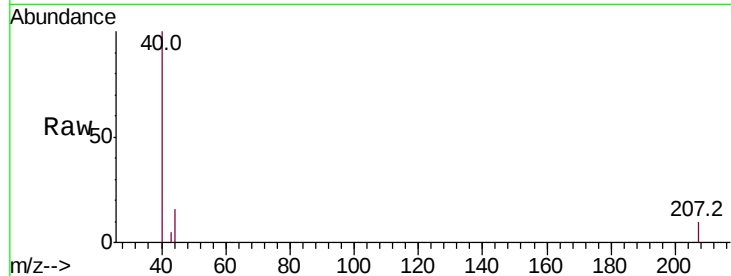
CS-29

Tot Ion: 43 Resp: 53

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

6.37

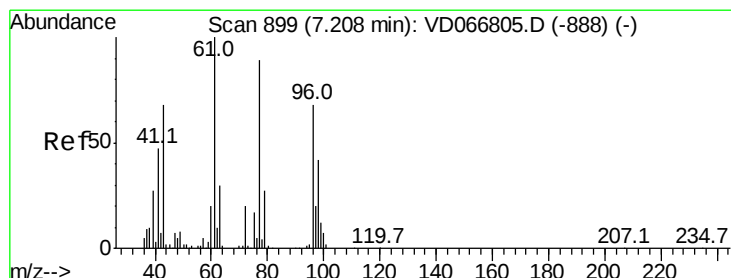
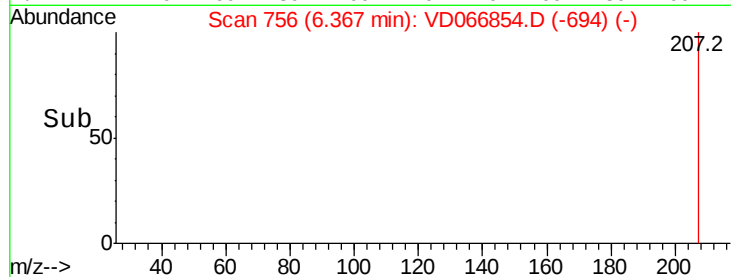
150

100

50

0

Time-->



#25

2-Butanone

Concen: 1.887 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066854.D

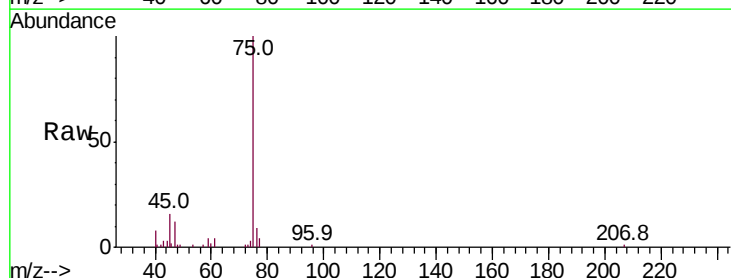
Acq: 24 Sep 2020 16:38

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

43 100

72 22.3 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

1200

1000

800

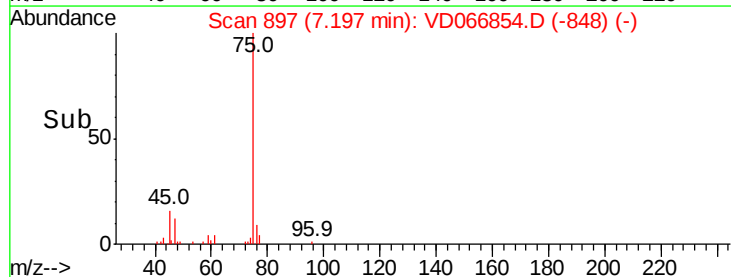
600

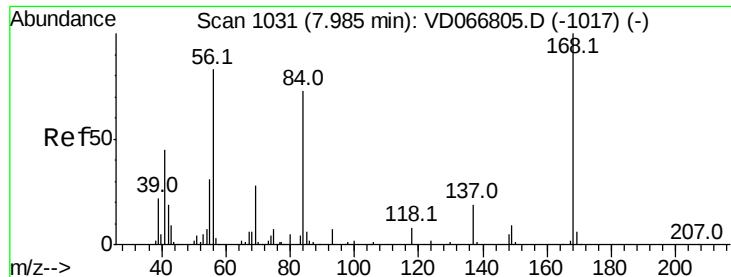
400

200

0

Time-->

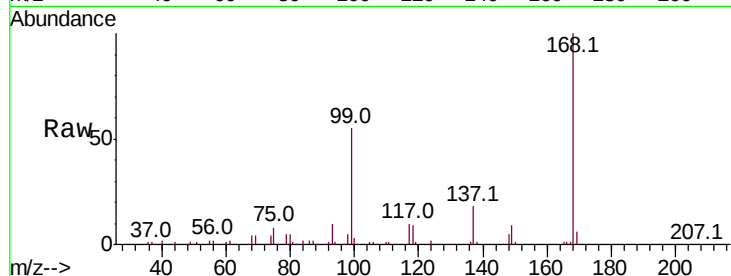




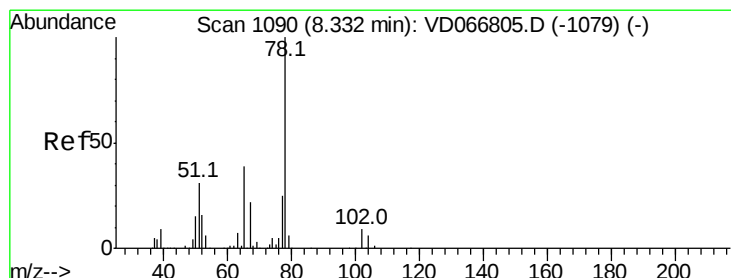
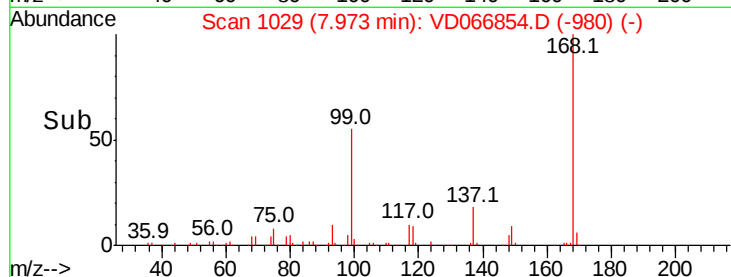
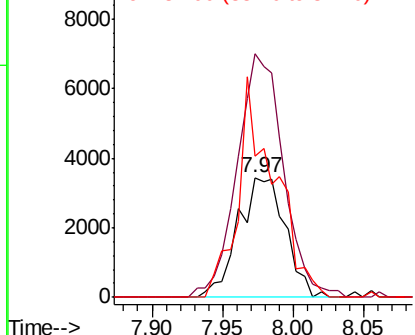
#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066854.D
Acq: 24 Sep 2020 16:38

Instrument :
MSVOA_D
ClientSampleId :
CS-29

Tot Ion: 56 Resp: 8110
Ion Ratio Lower Upper
56 100
69 203.6 27.0 40.4#
84 117.6 70.2 105.4#

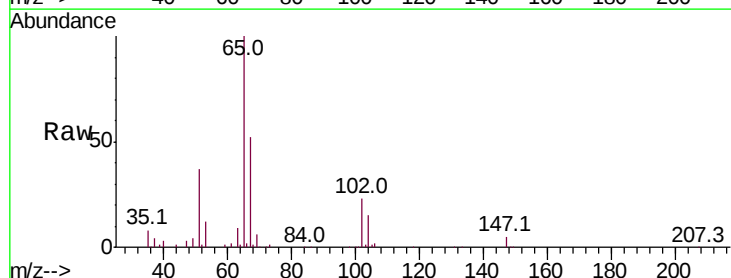


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

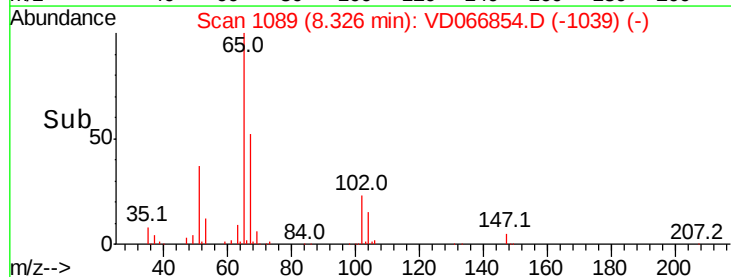
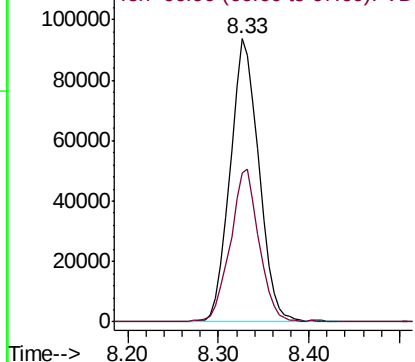


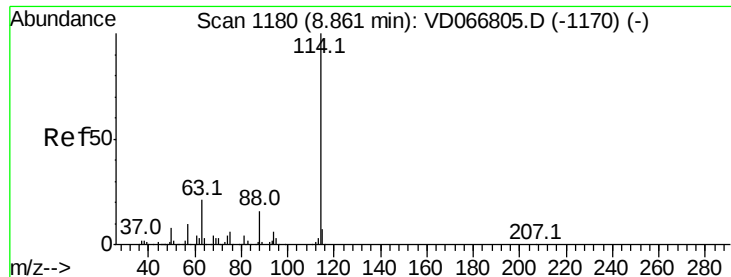
#33
1,2-Dichloroethane-d4
Concen: 55.226 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066854.D
Acq: 24 Sep 2020 16:38

Tgt Ion: 65 Resp: 206759
Ion Ratio Lower Upper
65 100
67 54.0 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: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

CS-29

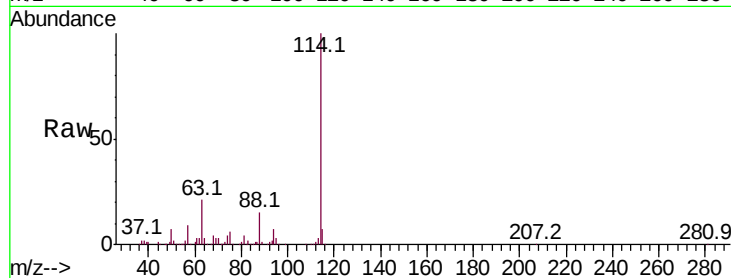
Tot Ion:114 Resp: 684693

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

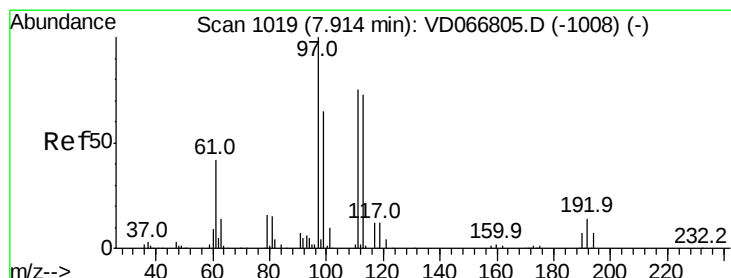
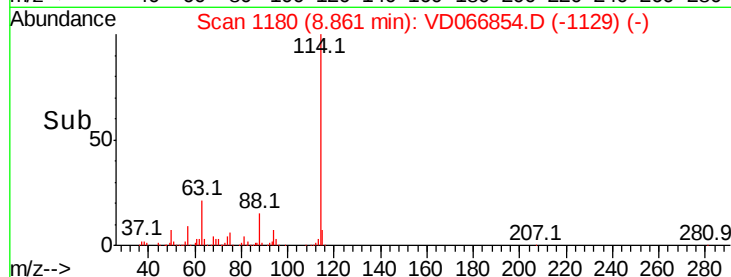
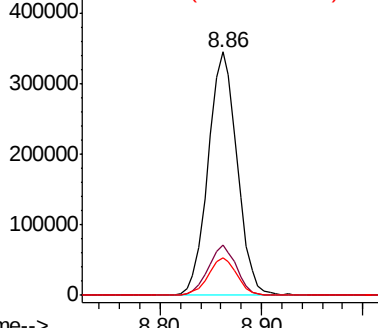
88 15.4 0.0 32.6



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: 50.568 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

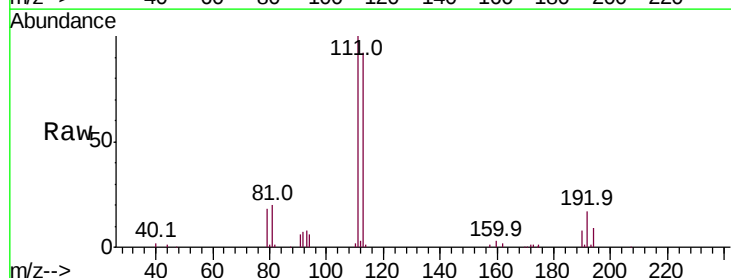
Tgt Ion:113 Resp: 220275

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.8

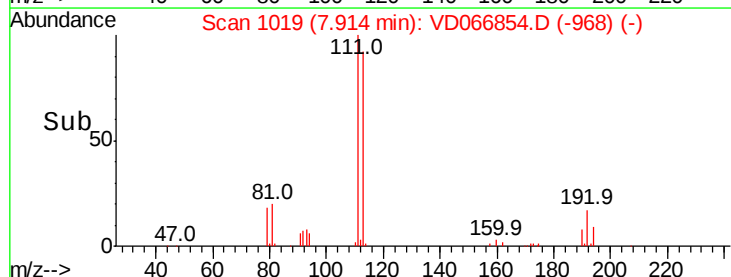
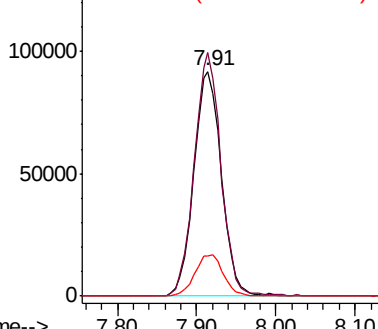
192 18.9 14.4 21.6

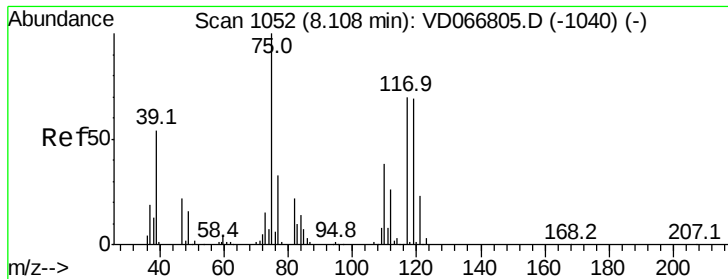


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.840 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampled :

CS-29

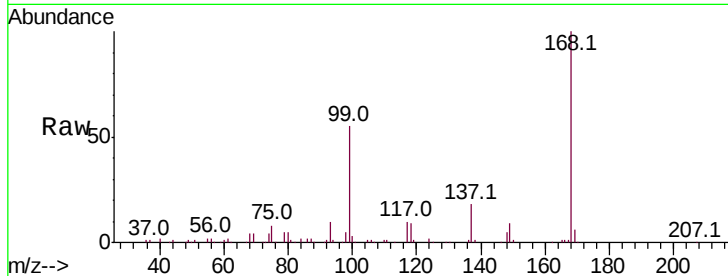
Tot Ion: 75 Resp: 32874

Ion Ratio Lower Upper

75 100

110 10.5 17.9 53.8#

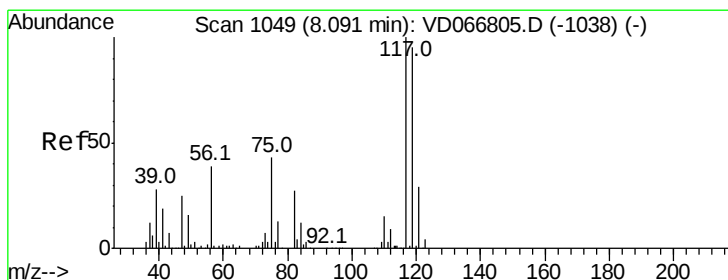
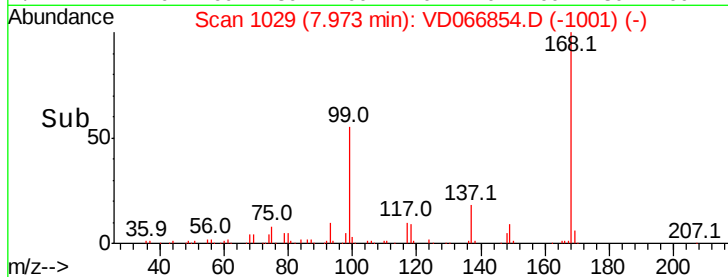
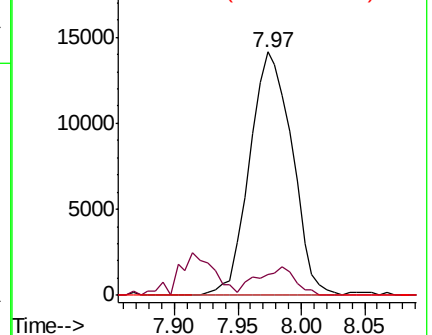
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

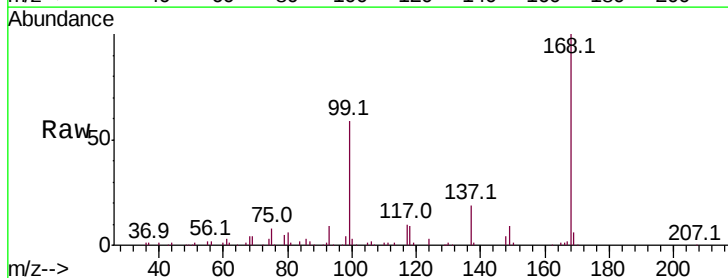
Tgt Ion: 117 Resp: 40999

Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.8#

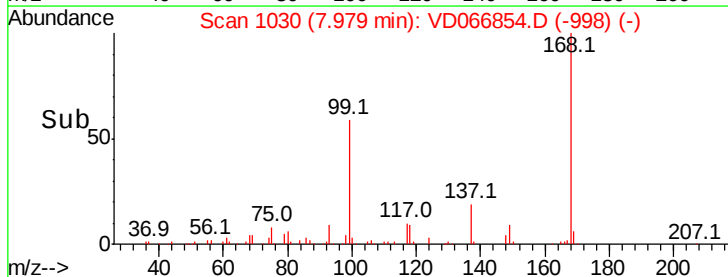
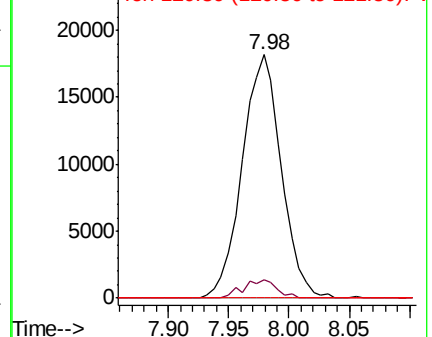
121 0.0 23.4 35.0#

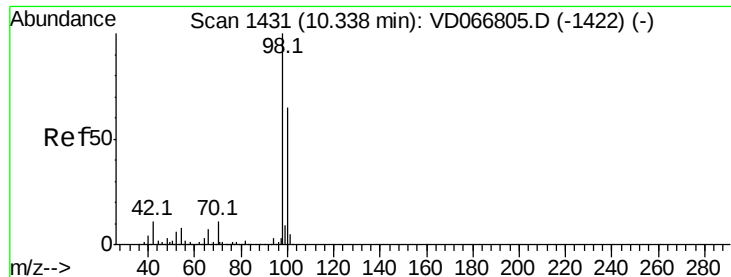


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 56.343 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampled :

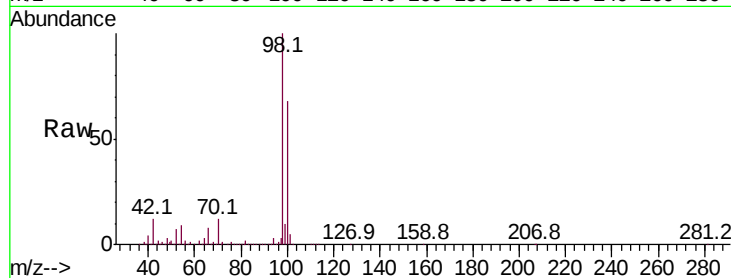
CS-29

Tot Ion: 98 Resp: 836232

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

10.34

500000

400000

300000

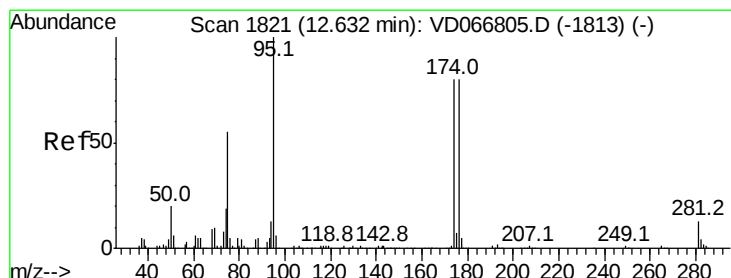
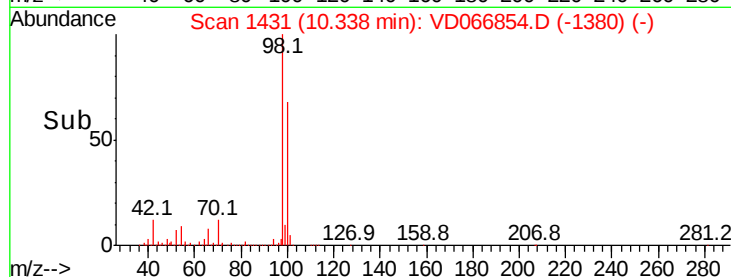
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 58.026 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

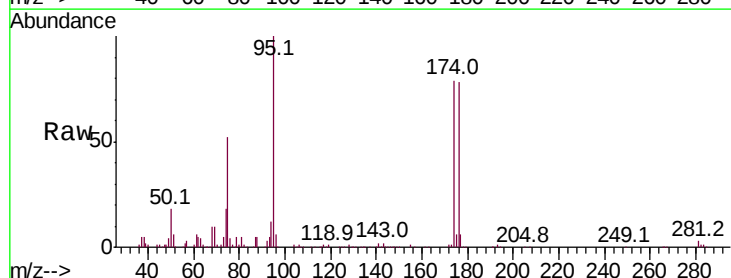
Tgt Ion: 95 Resp: 294821

Ion Ratio Lower Upper

95 100

174 80.9 0.0 159.8

176 77.0 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

250000

200000

150000

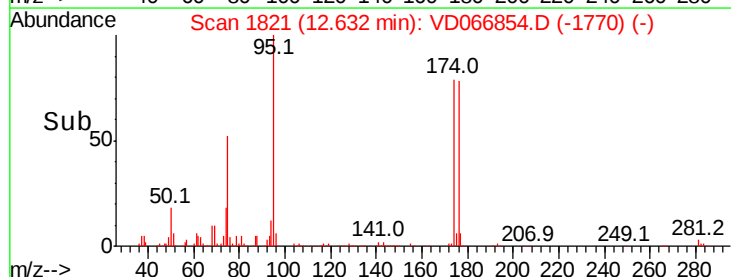
100000

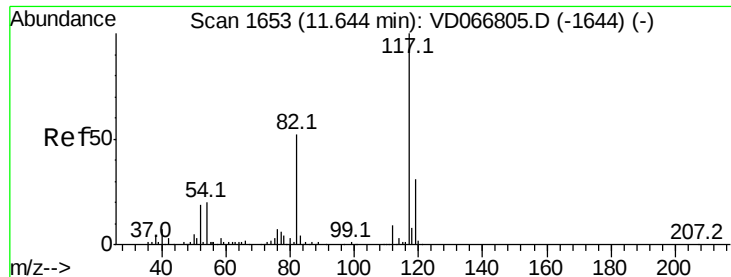
50000

0

Time-->

12.60 12.70

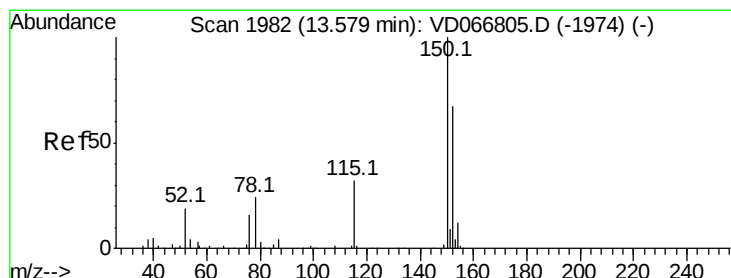
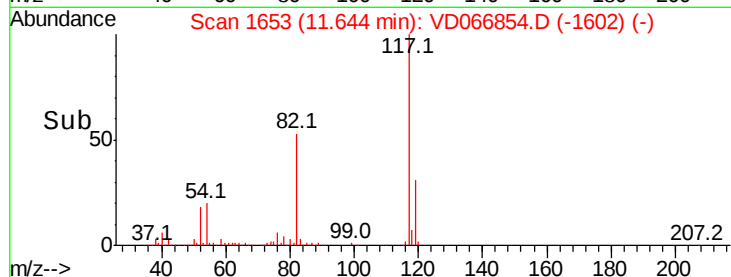
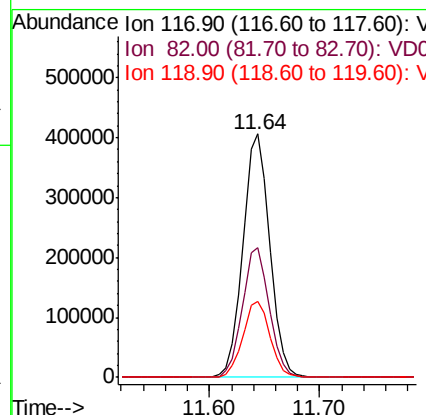
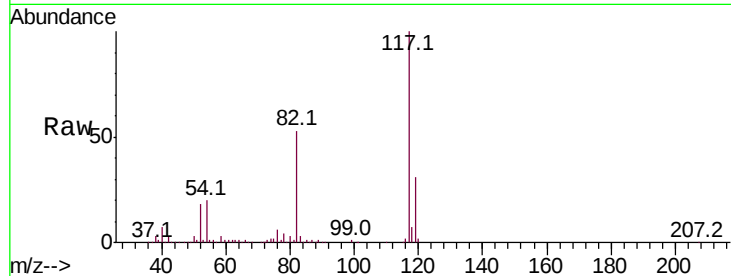




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066854.D
Acq: 24 Sep 2020 16:38

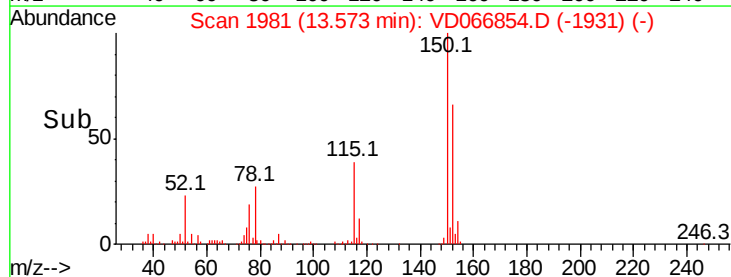
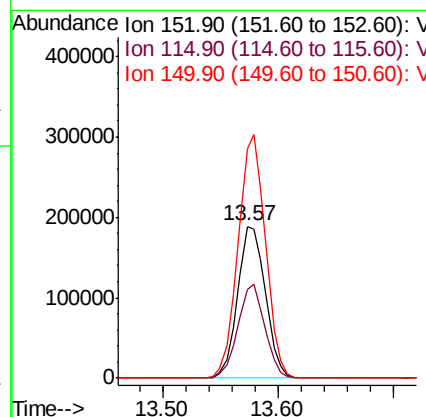
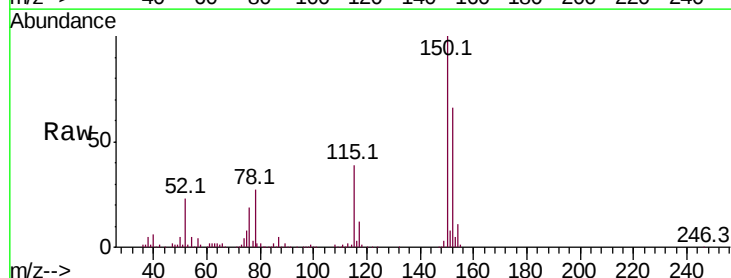
Instrument :
MSVOA_D
ClientSampled :
CS-29

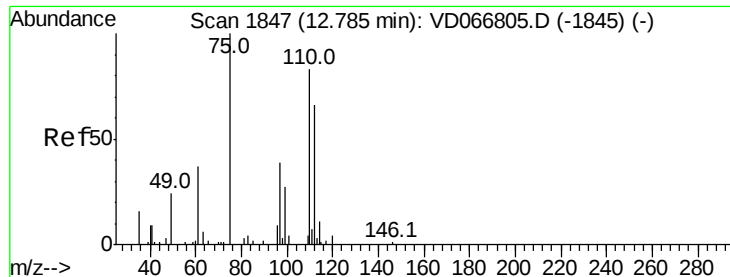
Tot Ion:117 Resp: 693435
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.6
119 31.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066854.D
Acq: 24 Sep 2020 16:38

Tgt Ion:152 Resp: 313143
Ion Ratio Lower Upper
152 100
115 60.2 30.3 91.0
150 158.5 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 60.405 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

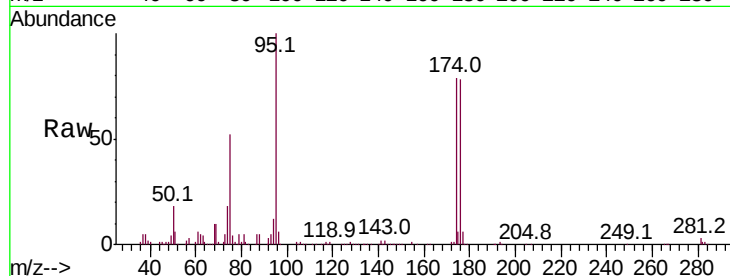
CS-29

Tot Ion: 75 Resp: 156757

Ion Ratio Lower Upper

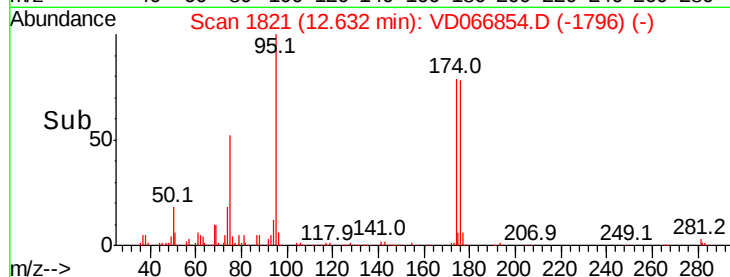
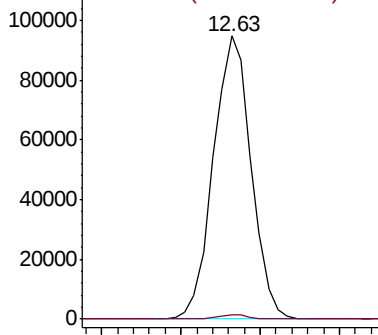
75 100

77 1.4 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: 151.129 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066854.D

Acq: 24 Sep 2020 16:38

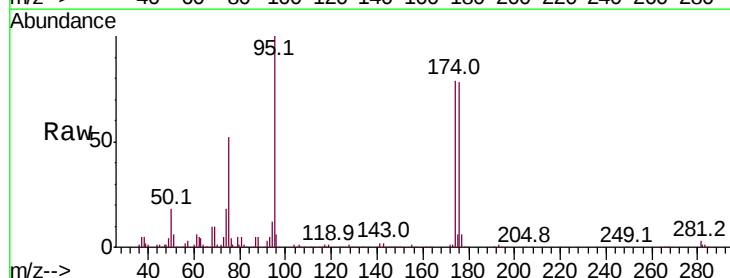
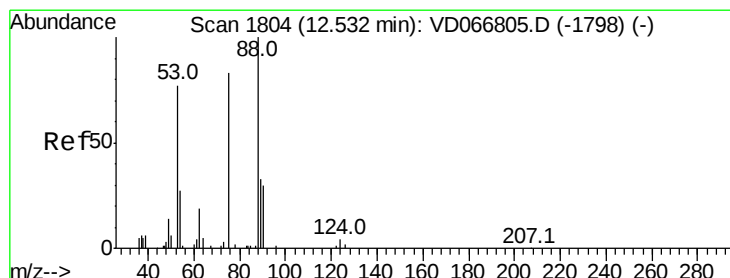
Tgt Ion: 75 Resp: 156757

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

