

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066466.D
 Acq On : 28 Aug 2020 18:08
 Operator : VA/SY
 Sample : L3827-11
 Misc : 6.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0612-01

Quant Time: Aug 29 00:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	188632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	259887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	235045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121015	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	101155	54.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.40%	
35) Dibromofluoromethane	7.91	113	78727	48.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.88%	
50) Toluene-d8	10.34	98	295815	49.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.63	95	101651	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	

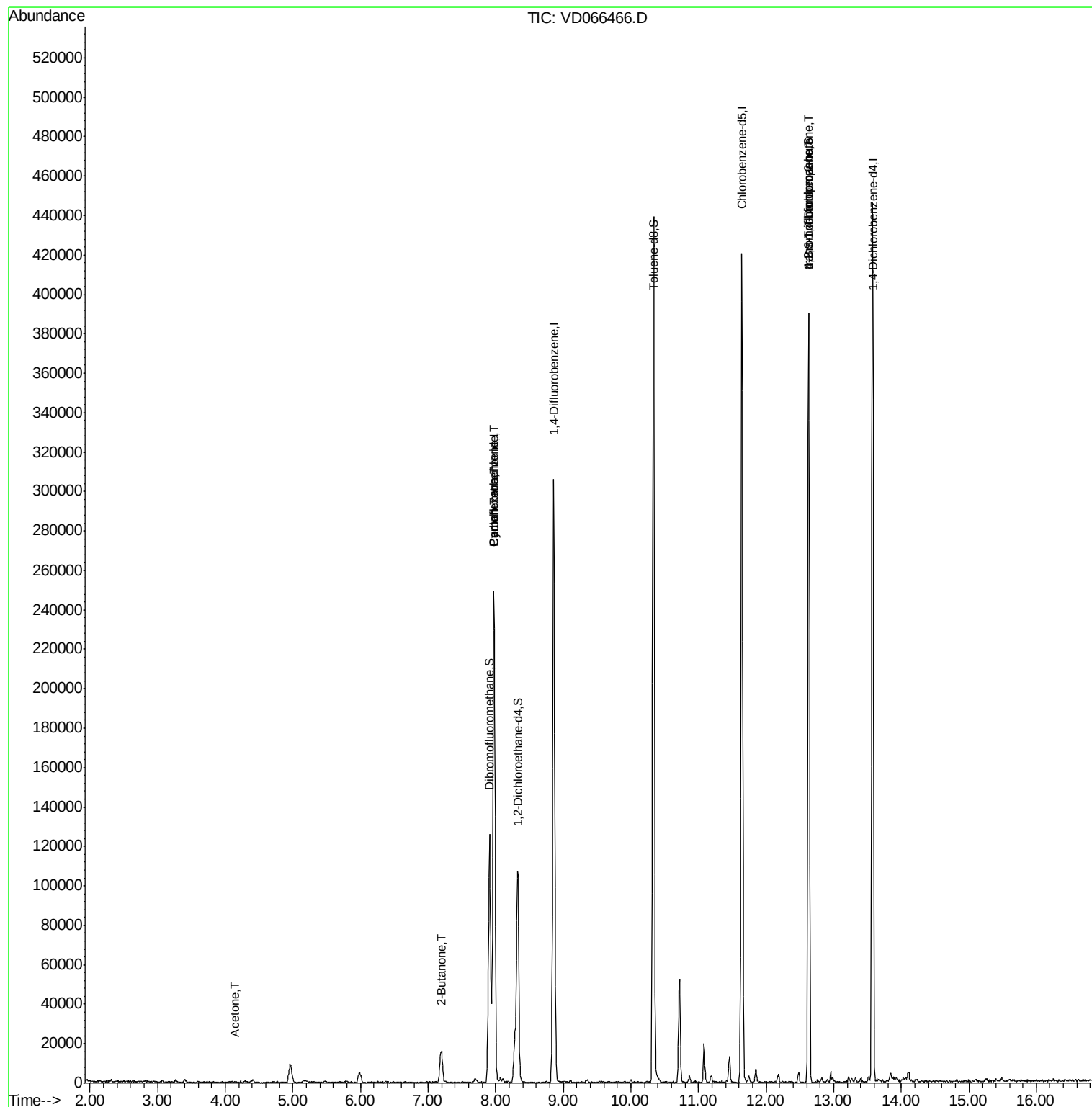
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	639	Below Cal	#	71
16) Acetone	4.15	43	430	1.290	ug/l #	46
20) Methylene Chloride	4.96	84	6829	Below Cal	#	87
25) 2-Butanone	7.20	43	379	1.001	ug/l #	47
31) Cyclohexane	7.97	56	4666	1.817	ug/l #	44
38) Carbon Tetrachloride	7.97	117	19424	6.287	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	62039	72.872	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	62039	154.683	ug/l #	6

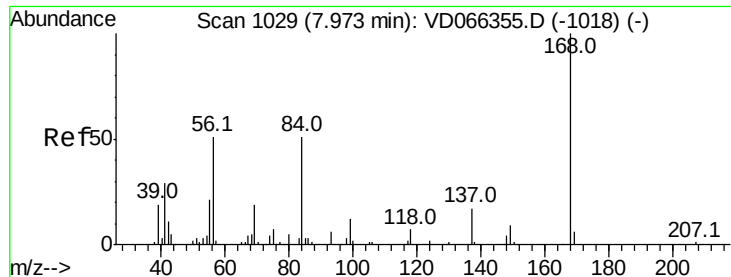
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

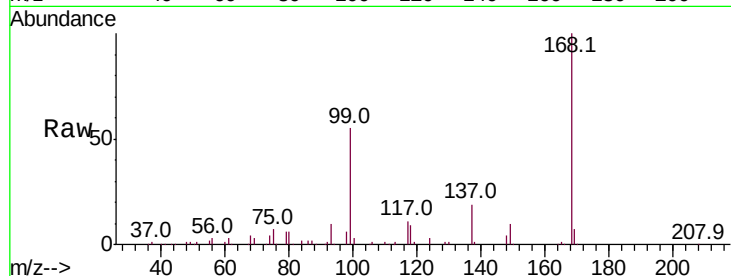
789UMR-TP11-0612-01

Tot Ion:168 Resp: 188632

Ion Ratio Lower Upper

168 100

99 54.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

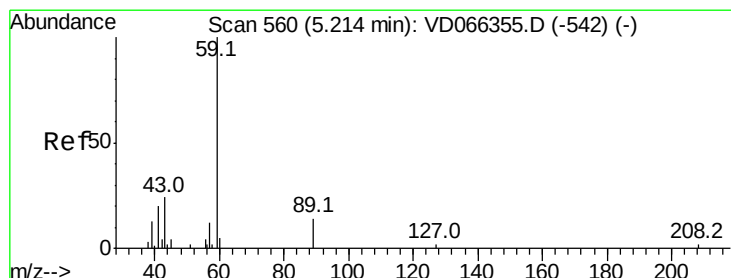
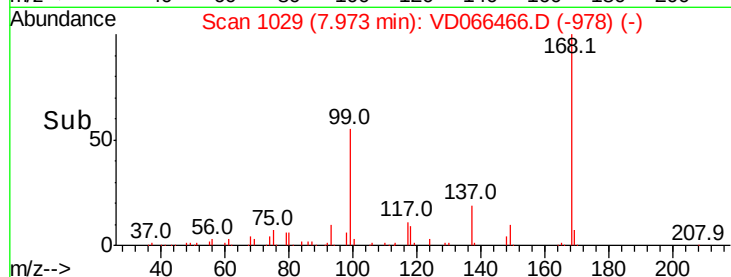
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.03 min

Lab File: VD066466.D

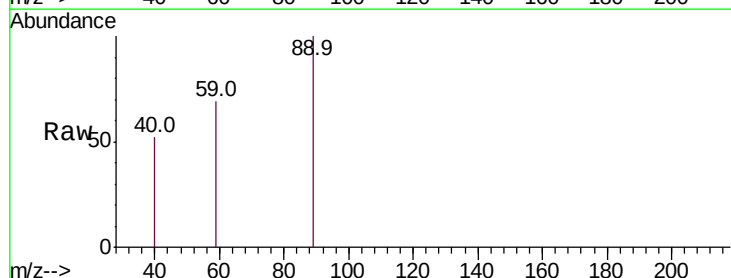
Acq: 28 Aug 2020 18:08

Tgt Ion: 59 Resp: 639

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

500

400

300

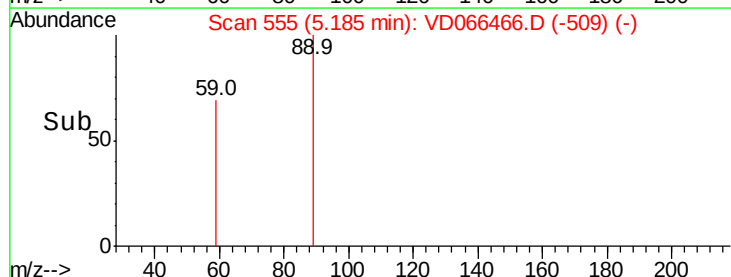
200

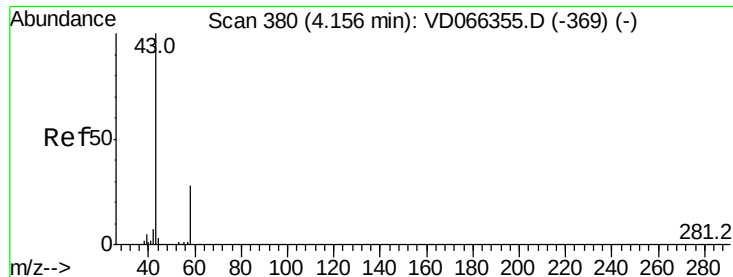
100

0

Time-->

5.16 5.18 5.20 5.22





#16

Acetone

Concen: 1.290 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

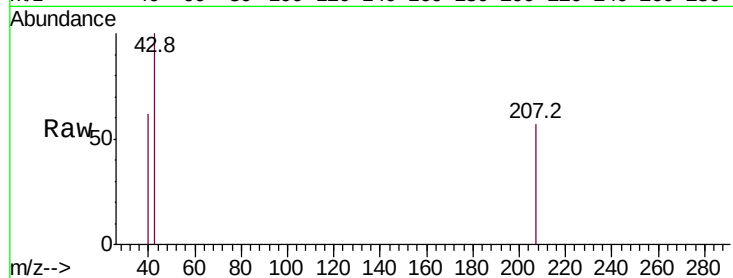
789UMR-TP11-0612-01

Tot Ion: 43 Resp: 430

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

300

250

200

150

100

50

0

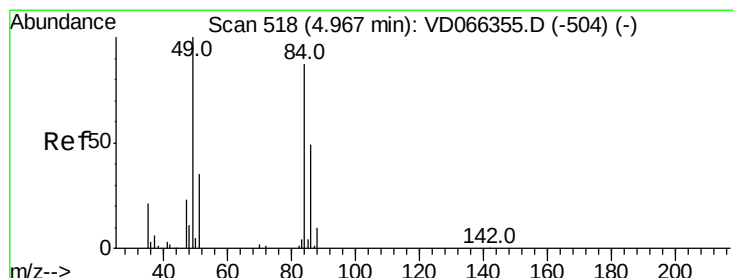
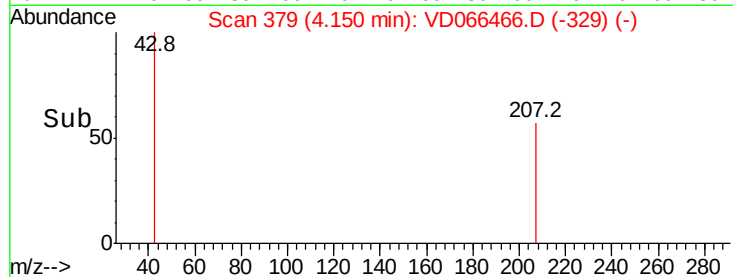
4.12

4.14

4.16

4.18

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

Tgt Ion: 84 Resp: 6829

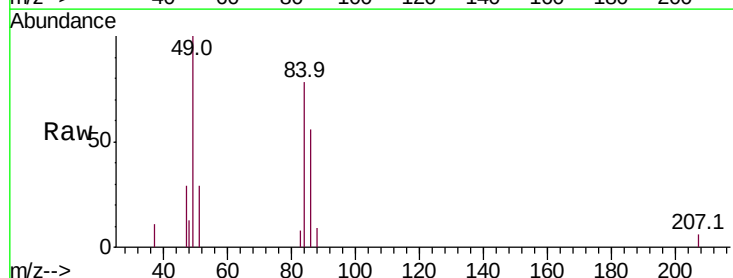
Ion Ratio Lower Upper

84 100

49 128.0 92.5 138.7

51 36.5 32.5 48.7

86 71.8 45.0 67.6#



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

4000

3000

2000

1000

0

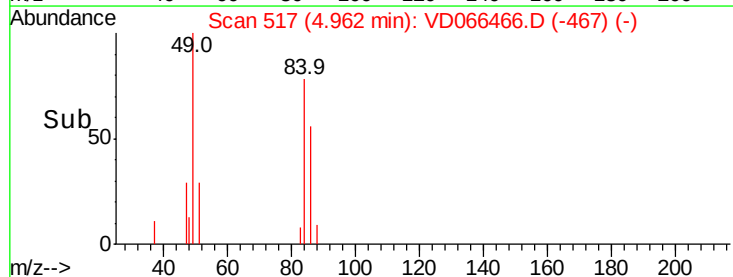
4.90

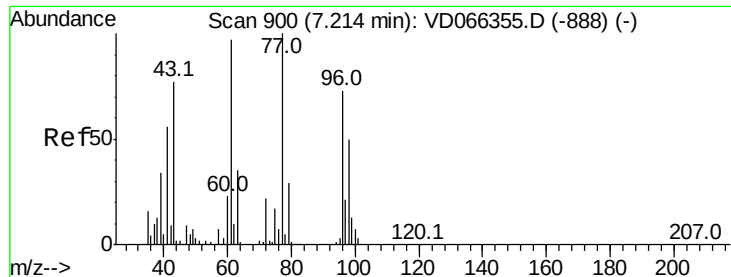
4.95

5.00

5.05

Time-->





#25

2-Butanone

Concen: 1.001 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

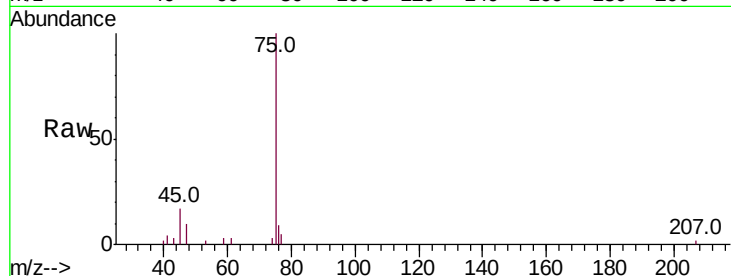
789UMR-TP11-0612-01

Tot Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.20

400

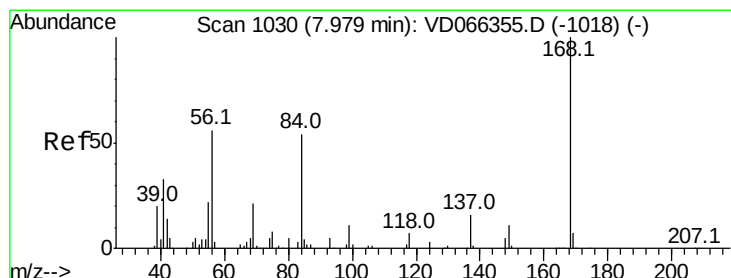
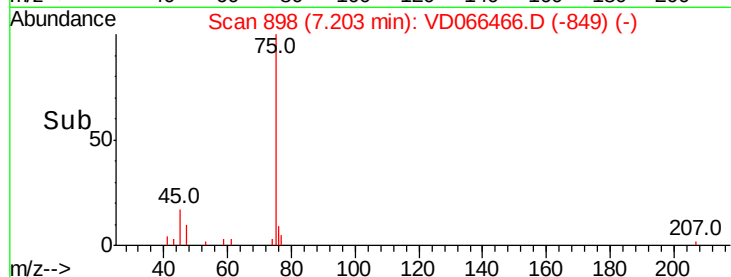
300

200

100

0

Time--> 7.18 7.20 7.22 7.24



#31

Cyclohexane

Concen: 1.817 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

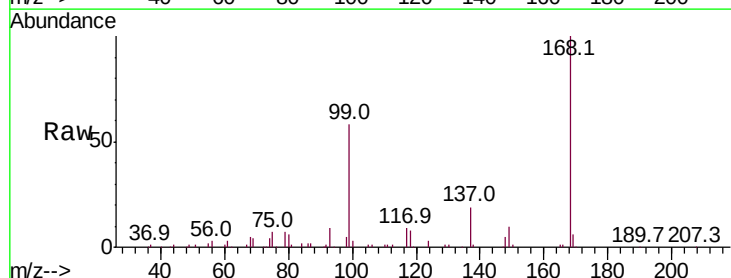
Tgt Ion: 56 Resp: 4666

Ion Ratio Lower Upper

56 100

69 122.6 29.6 44.4#

84 74.8 76.6 115.0#



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

4000

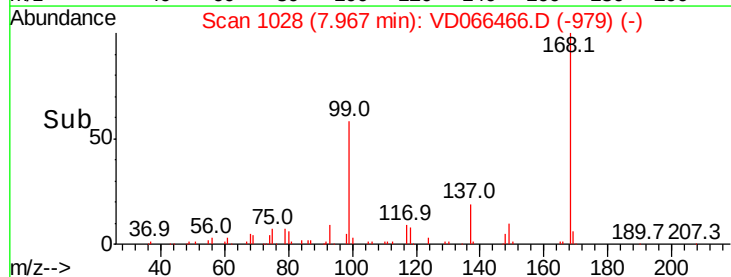
3000

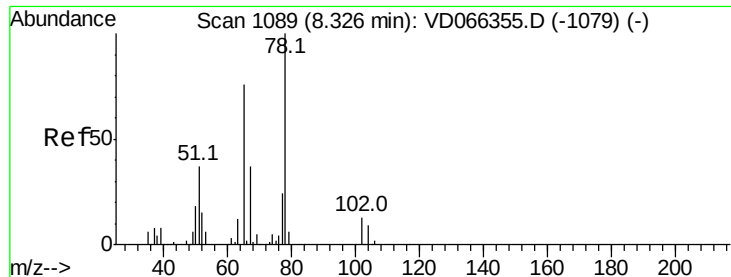
2000

1000

0

Time--> 7.90 7.95 8.00 8.05

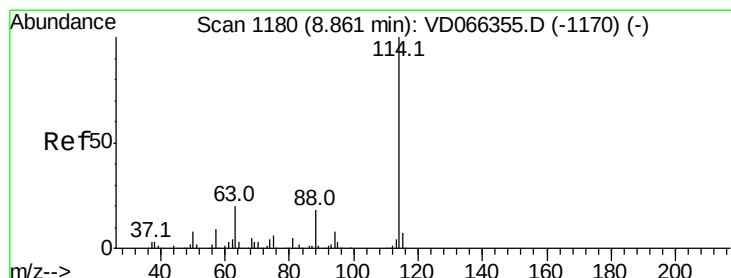
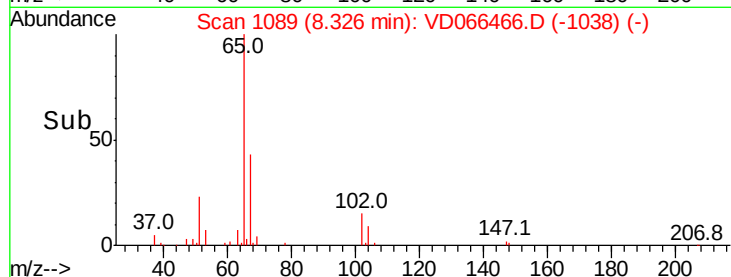
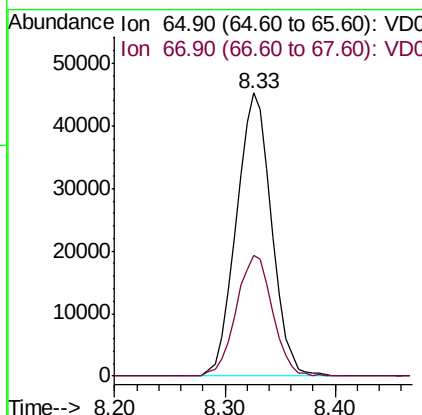
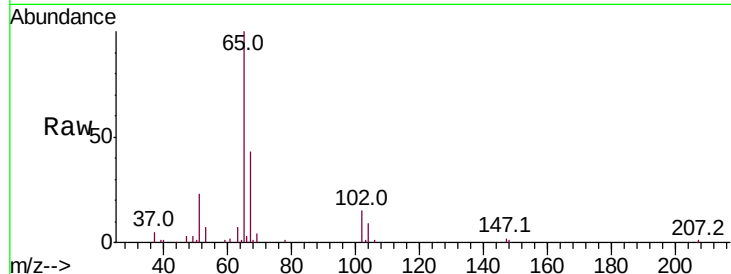




#33
 1,2-Dichloroethane-d4
 Concen: 54.698 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066466.D
 Acq: 28 Aug 2020 18:08

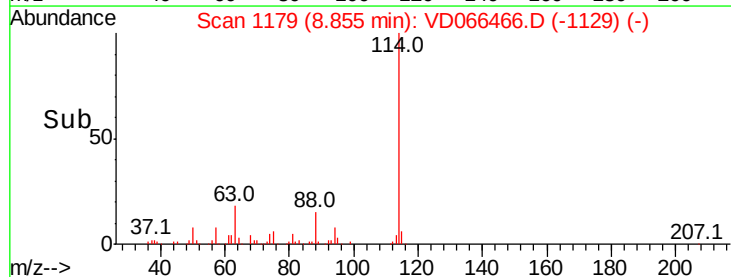
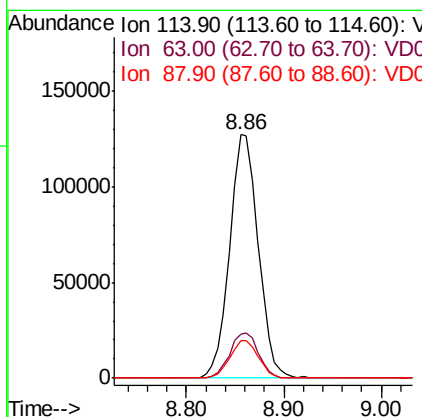
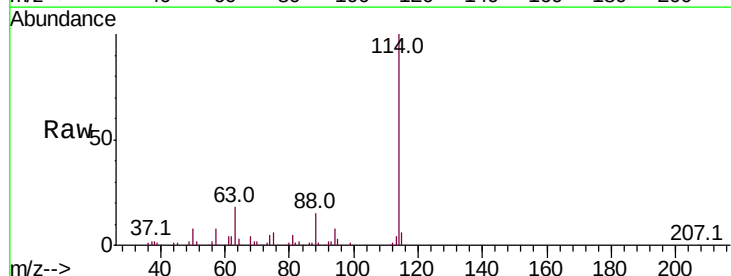
Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0612-01

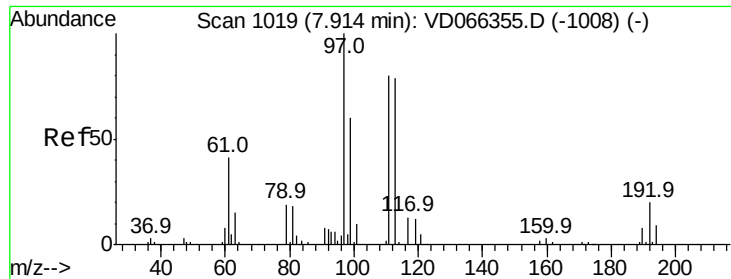
Tot Ion: 65 Resp: 101155
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066466.D
 Acq: 28 Aug 2020 18:08

Tgt Ion: 114 Resp: 259887
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 40.8
 88 15.3 0.0 35.4

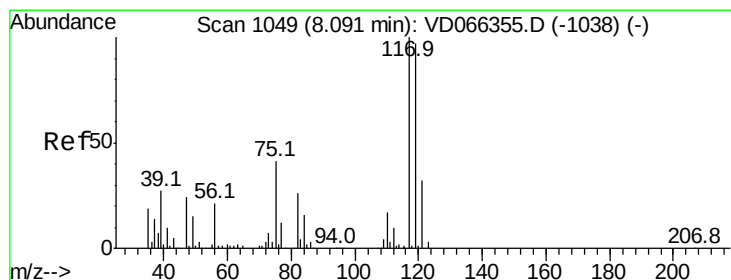
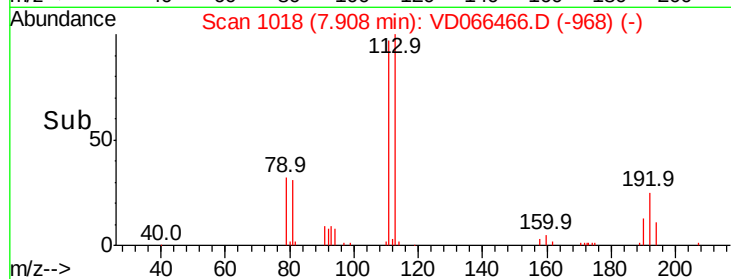
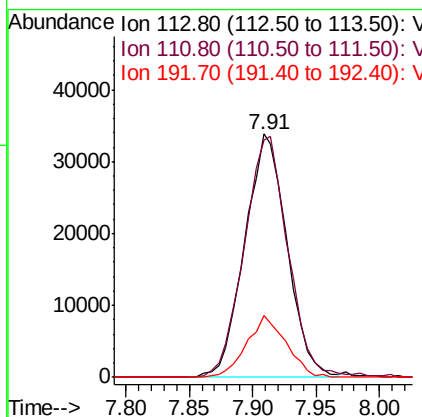
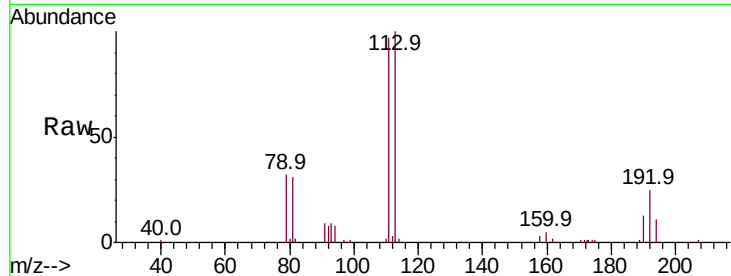




#35
 Dibromofluoromethane
 Concen: 48.444 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066466.D
 Acq: 28 Aug 2020 18:08

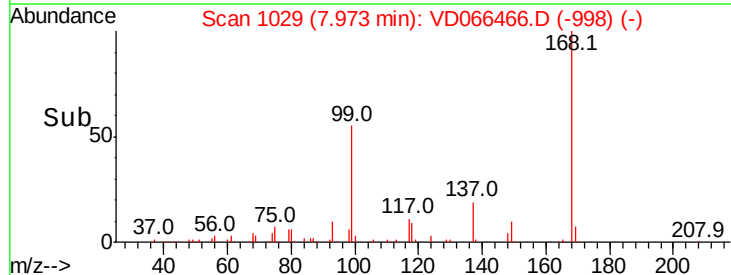
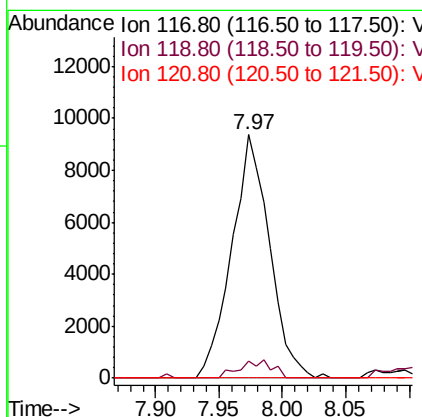
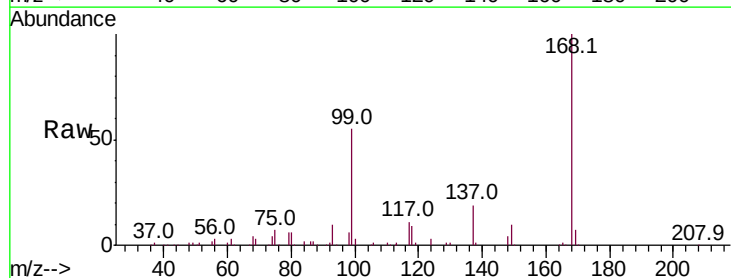
Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0612-01

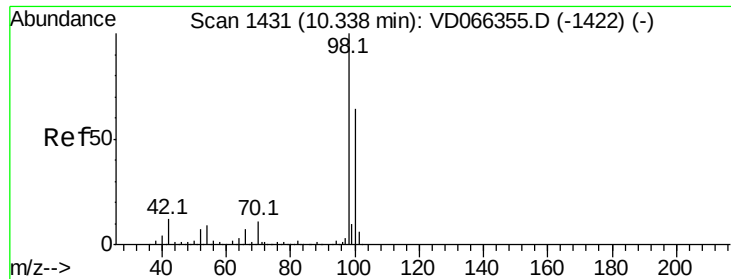
Tot Ion:113 Resp: 78727
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.3 120.5
 192 23.6 19.0 28.6



#38
 Carbon Tetrachloride
 Concen: 6.287 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066466.D
 Acq: 28 Aug 2020 18:08

Tgt Ion:117 Resp: 19424
 Ion Ratio Lower Upper
 117 100
 119 7.3 77.2 115.8#
 121 0.0 25.8 38.8#

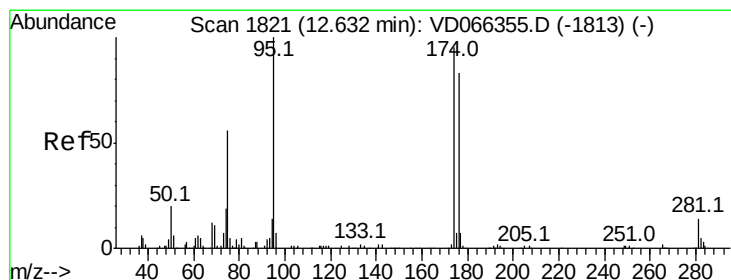
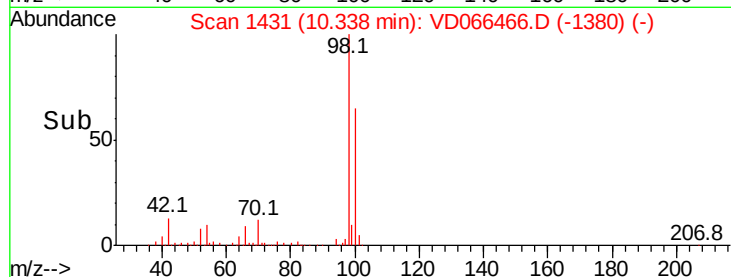
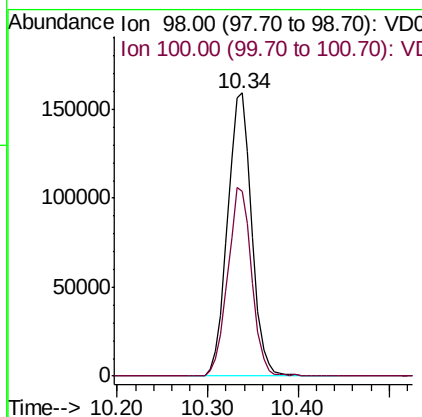
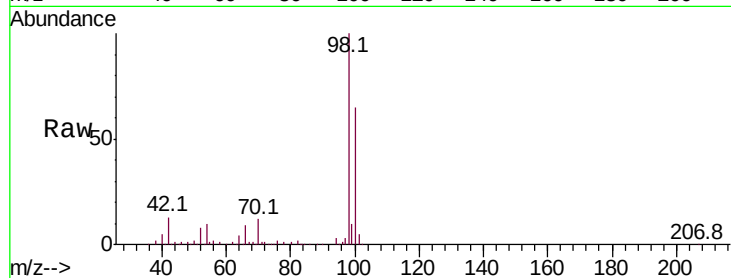




#50
Toluene-d8
Concen: 49.750 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066466.D
Acq: 28 Aug 2020 18:08

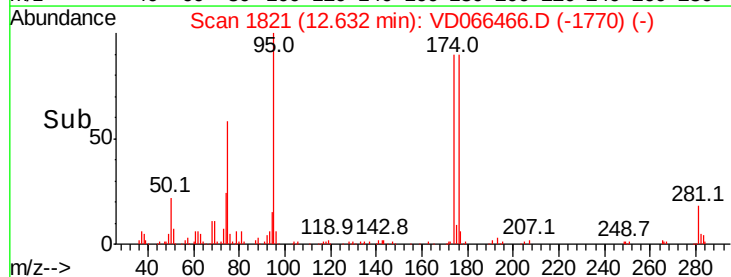
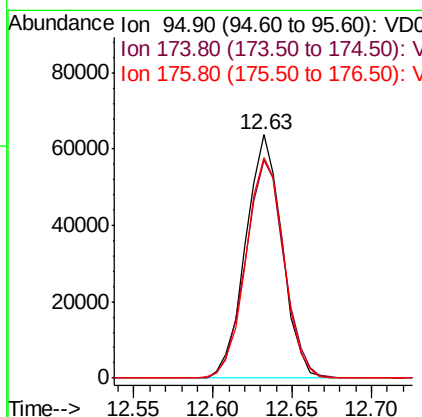
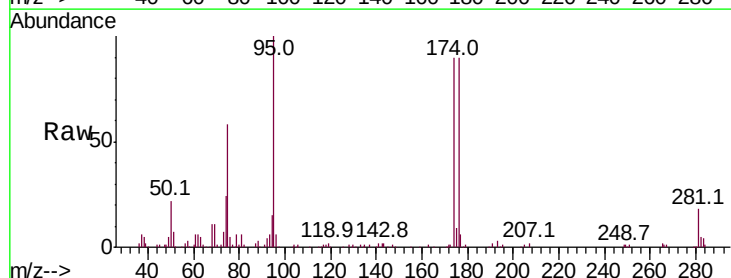
Instrument :
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789UMR-TP11-0612-01

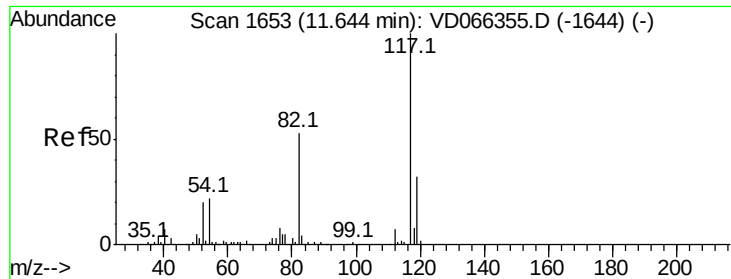
Tot Ion: 98 Resp: 295815
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.178 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066466.D
Acq: 28 Aug 2020 18:08

Tgt Ion: 95 Resp: 101651
Ion Ratio Lower Upper
95 100
174 94.7 0.0 183.4
176 94.1 0.0 173.8

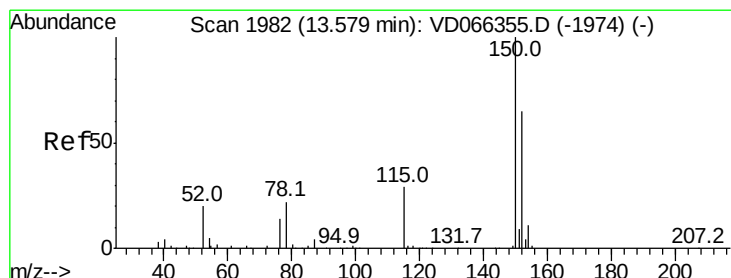
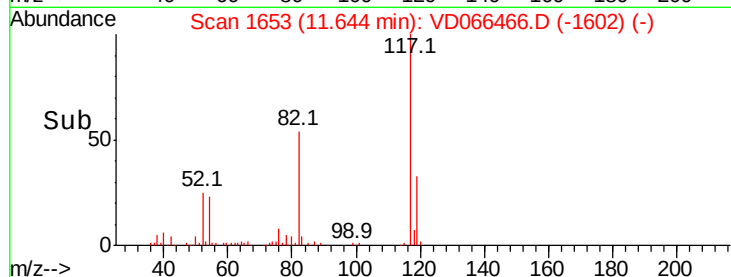
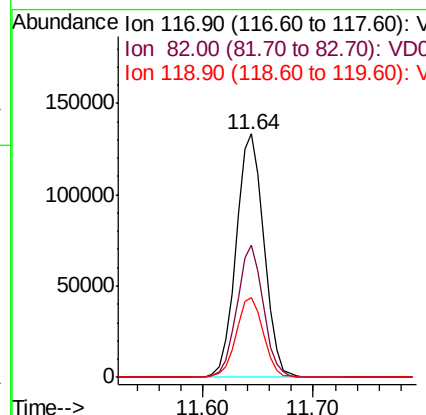
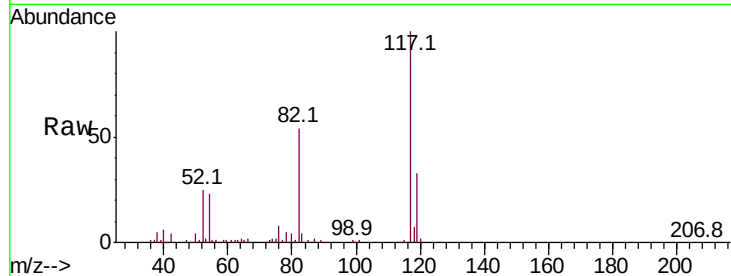




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066466.D
Acq: 28 Aug 2020 18:08

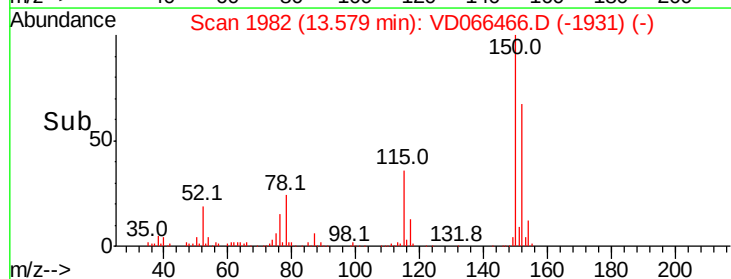
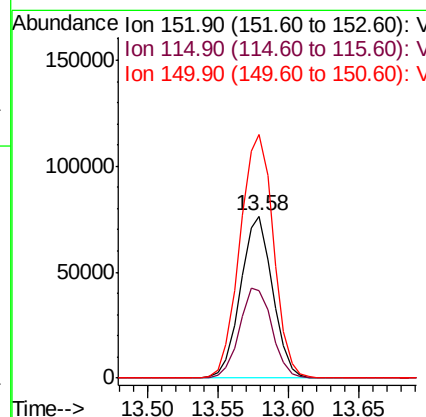
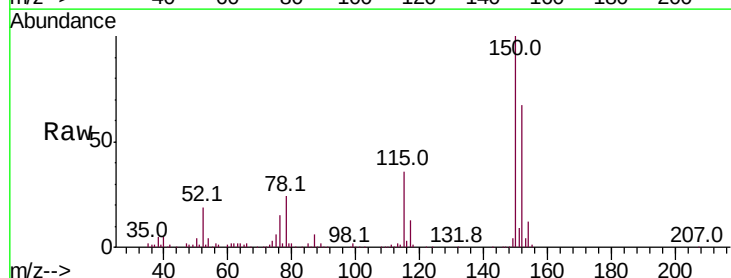
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0612-01

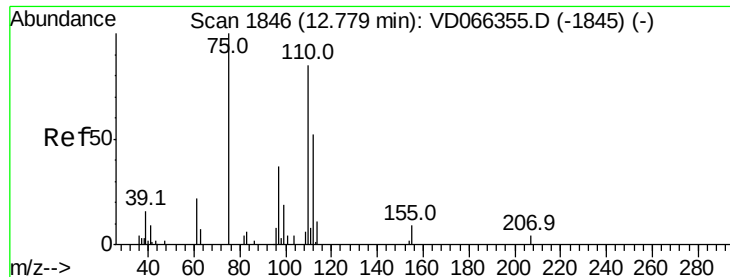
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.8	64.2
119	32.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066466.D
Acq: 28 Aug 2020 18:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.3	85.0
150	157.9	0.0	343.2





#76

1,2,3-Trichloropropane

Concen: 72.872 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

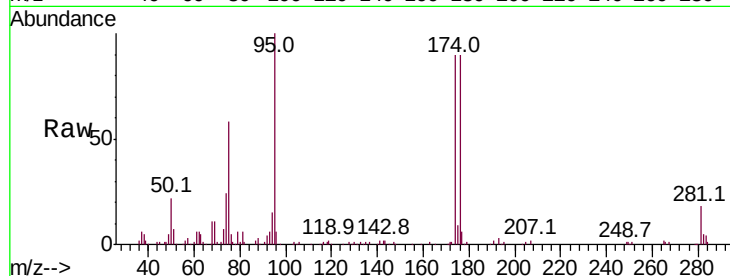
789UMR-TP11-0612-01

Tot Ion: 75 Resp: 62039

Ion Ratio Lower Upper

75 100

77 1.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

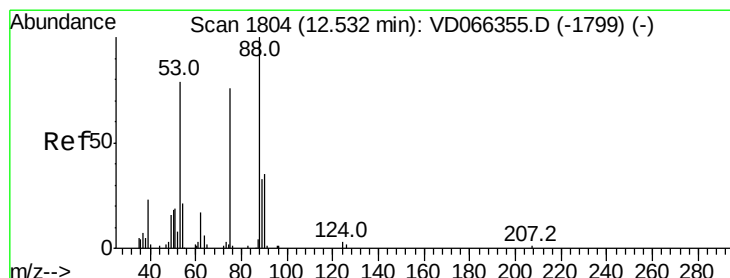
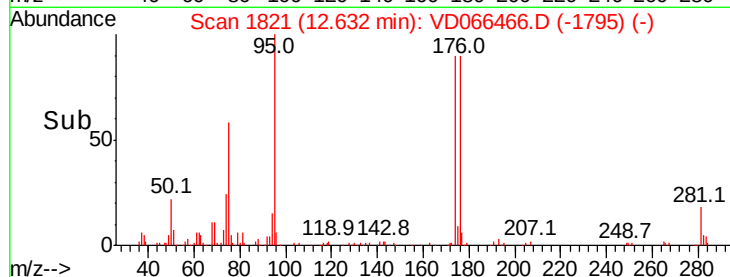
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 154.683 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066466.D

Acq: 28 Aug 2020 18:08

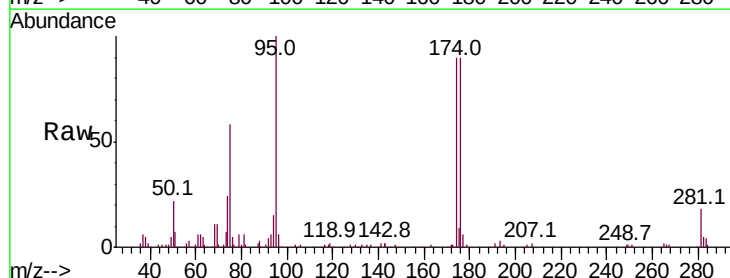
Tgt Ion: 75 Resp: 62039

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.2 39.4 59.0#



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

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

