

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066461.D
 Acq On : 28 Aug 2020 15:50
 Operator : VA/SY
 Sample : L3827-06
 Misc : 5.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP08-1824-01

Quant Time: Aug 29 00:46:10 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	171597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	238314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	215818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107111	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	96342	57.27	ug/l	0.00
Spiked Amount			Recovery	=	114.54%	
35) Dibromofluoromethane	7.91	113	74908	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.33	98	274640	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.63	95	92988	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

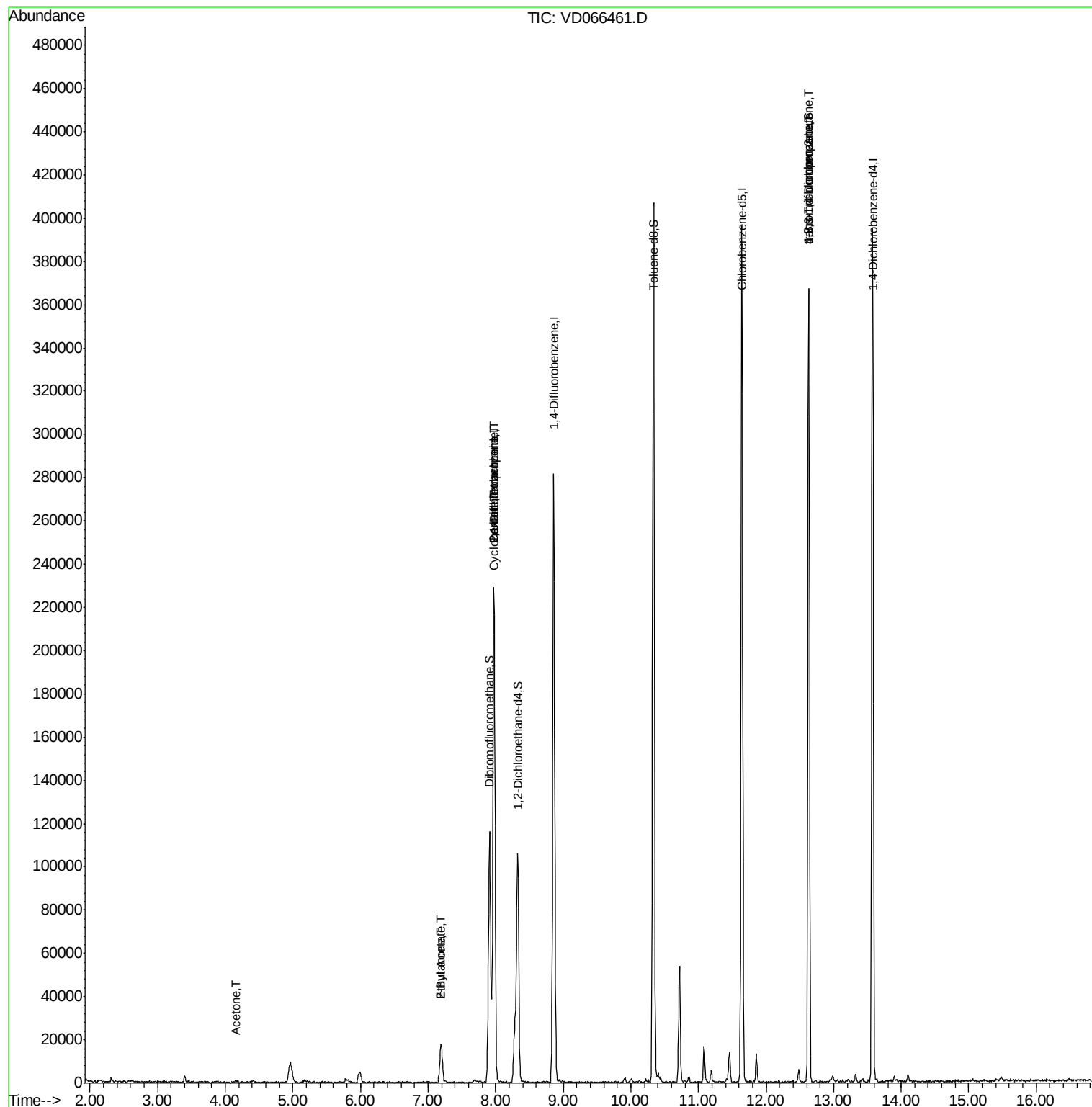
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	250	Below Cal	#	71
16) Acetone	4.16	43	1476	4.867	ug/l #	79
20) Methylene Chloride	4.97	84	7430	Below Cal	#	86
25) 2-Butanone	7.19	43	1279	3.715	ug/l #	47
31) Cyclohexane	7.98	56	4329	1.853	ug/l #	32
36) 1,1-Dichloropropene	7.97	75	11334	5.212	ug/l #	53
37) Ethyl Acetate	7.19	43	1279	1.729	ug/l #	32
38) Carbon Tetrachloride	7.98	117	17722	6.256	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	58243	77.293	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	58243	164.069	ug/l #	6

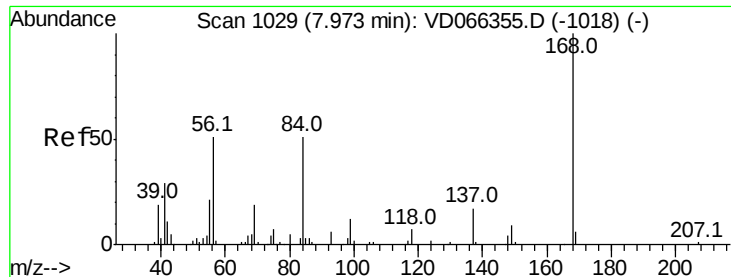
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\
Data File : VD066461.D
Acq On : 28 Aug 2020 15:50
Operator : VA/SY
Sample : L3827-06
Misc : 5.56G/5.00ml/MSVOA D/SOIL
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Instrument :
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789UMR-TP08-1824-01

Quant Time: Aug 29 00:46:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
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: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

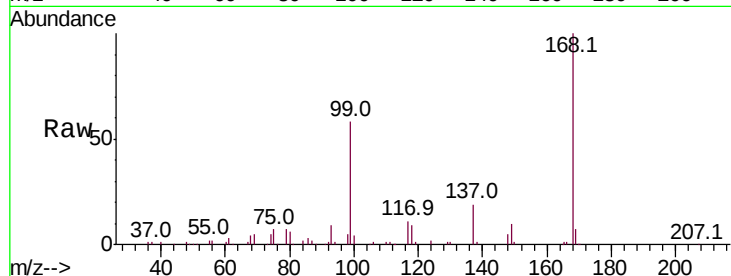
789UMR-TP08-1824-01

Tot Ion:168 Resp: 171597

Ion Ratio Lower Upper

168 100

99 57.8 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

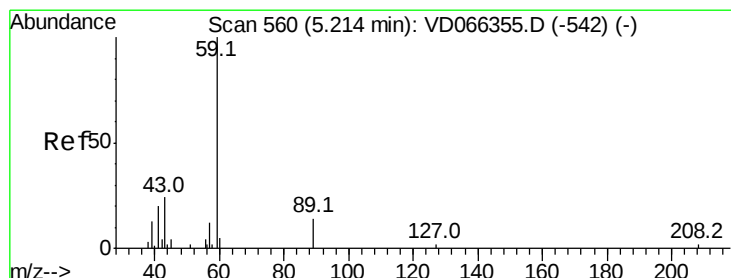
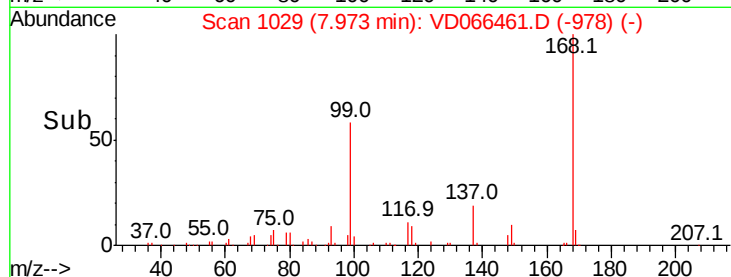
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD066461.D

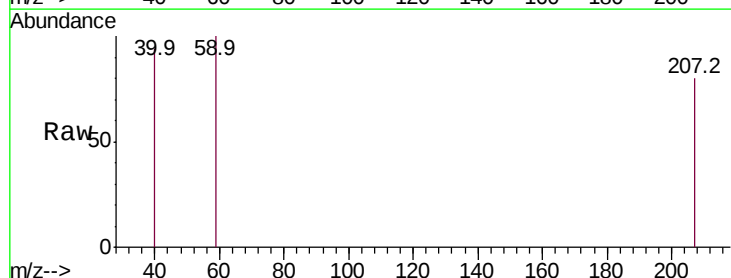
Acq: 28 Aug 2020 15:50

Tgt Ion: 59 Resp: 250

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

5.24

400

300

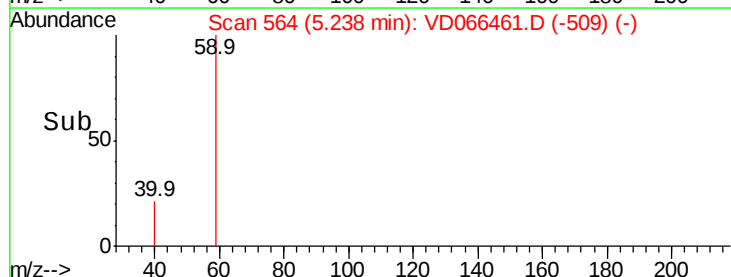
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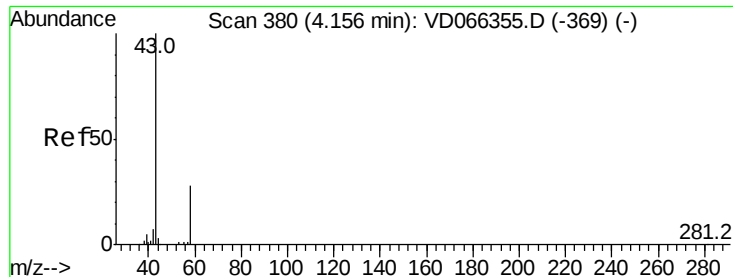
100

0

Time-->

5.22 5.24 5.26





#16

Acetone

Concen: 4.867 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

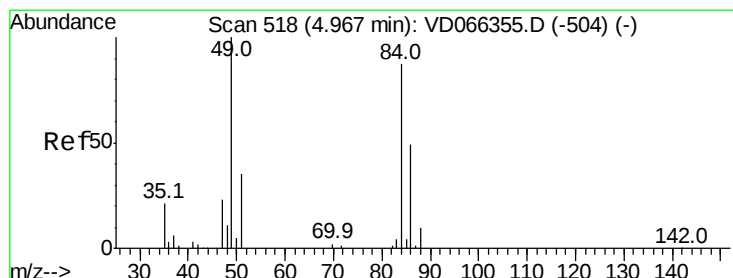
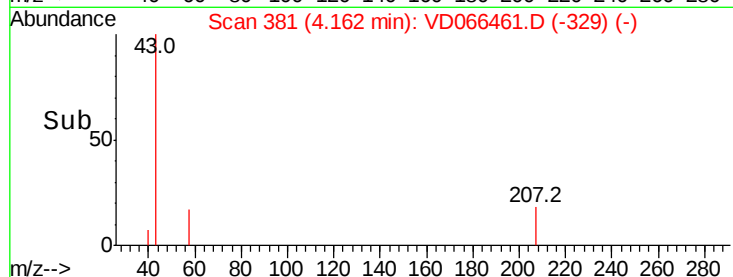
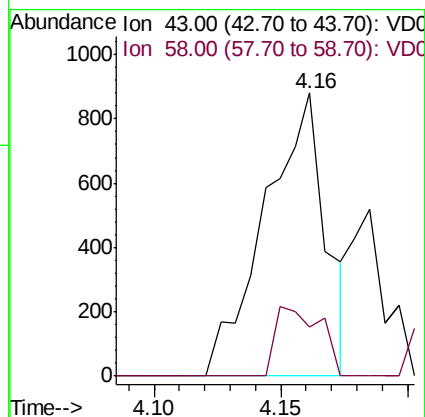
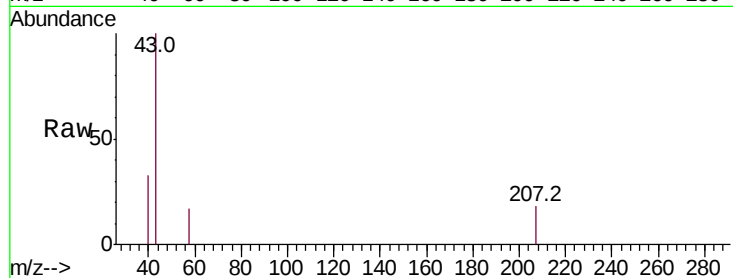
789UMR-TP08-1824-01

Tot Ion: 43 Resp: 1476

Ion Ratio Lower Upper

43 100

58 17.4 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Tgt Ion: 84 Resp: 7430

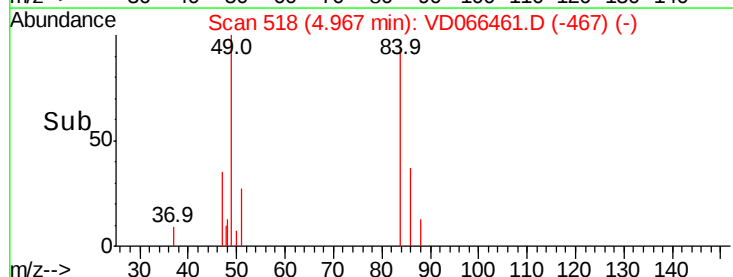
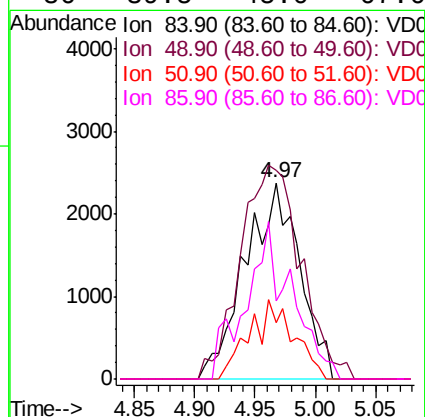
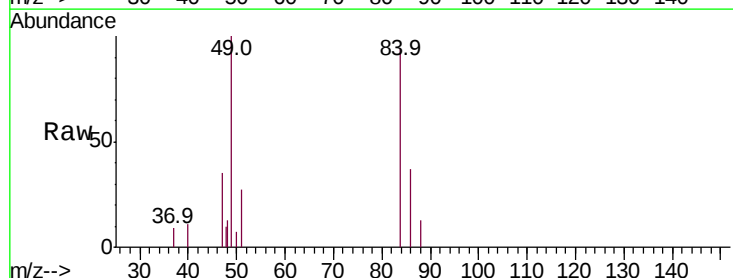
Ion Ratio Lower Upper

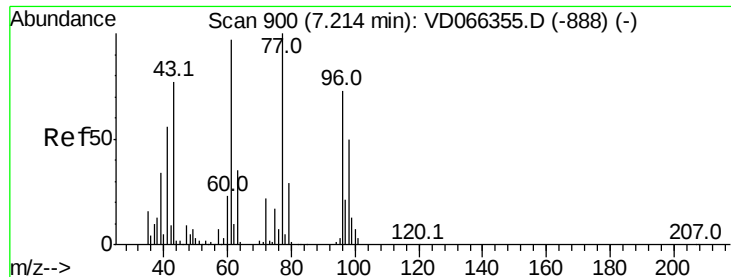
84 100

49 106.6 92.5 138.7

51 28.4 32.5 48.7#

86 39.5 45.0 67.6#





#25

2-Butanone

Concen: 3.715 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

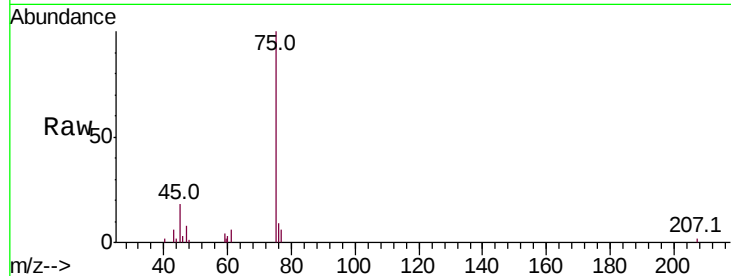
789UMR-TP08-1824-01

Tot Ion: 43 Resp: 1279

Ion Ratio Lower Upper

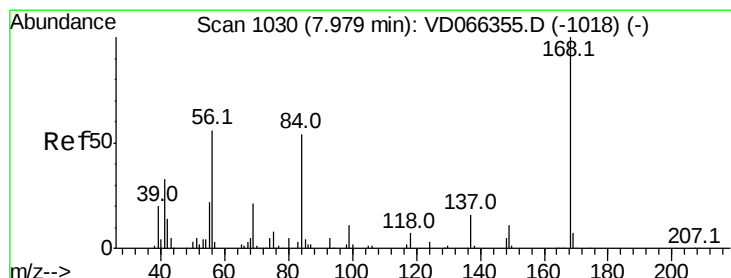
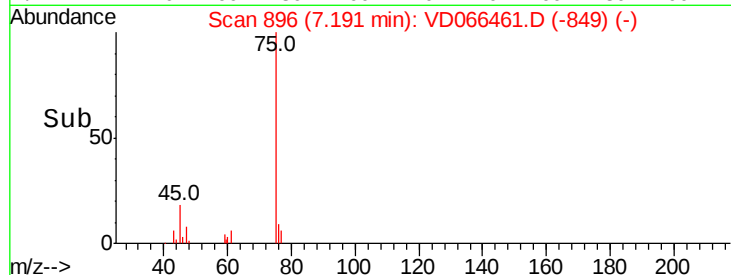
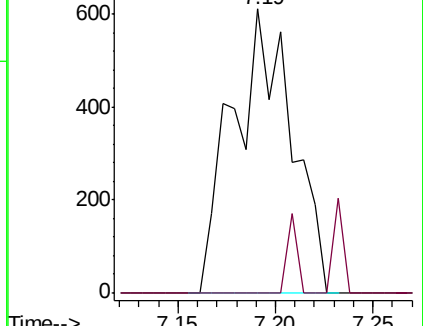
43 100

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



#31

Cyclohexane

Concen: 1.853 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

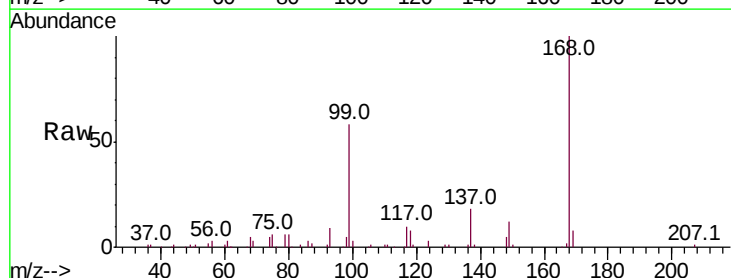
Tgt Ion: 56 Resp: 4329

Ion Ratio Lower Upper

56 100

69 99.3 29.6 44.4#

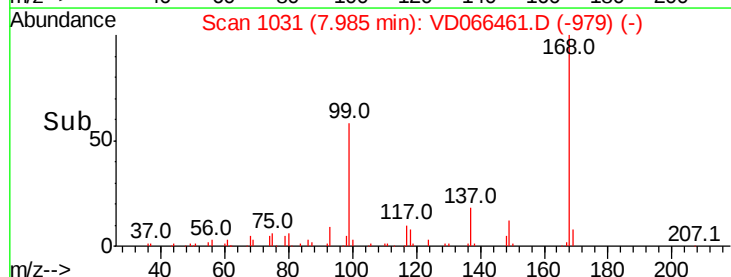
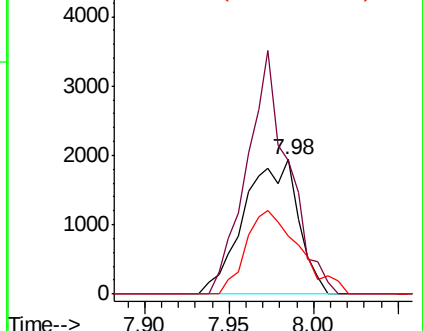
84 42.8 76.6 115.0#

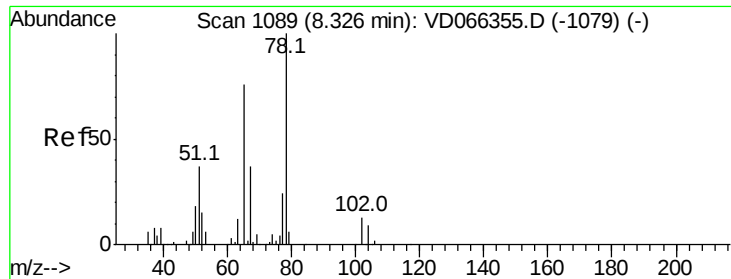


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 57.267 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

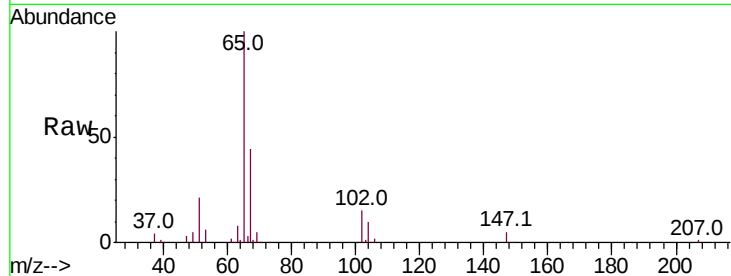
789UMR-TP08-1824-01

Tot Ion: 65 Resp: 96342

Ion Ratio Lower Upper

65 100

67 44.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

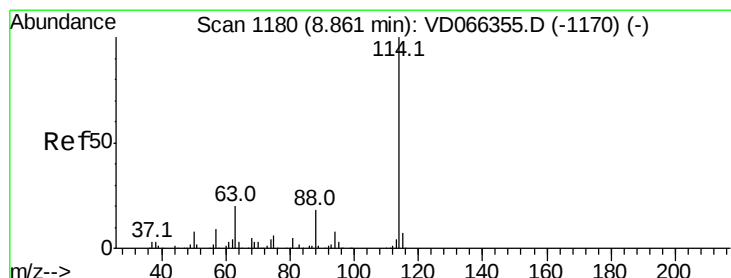
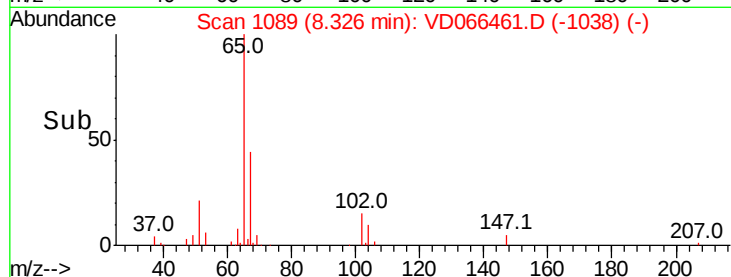
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

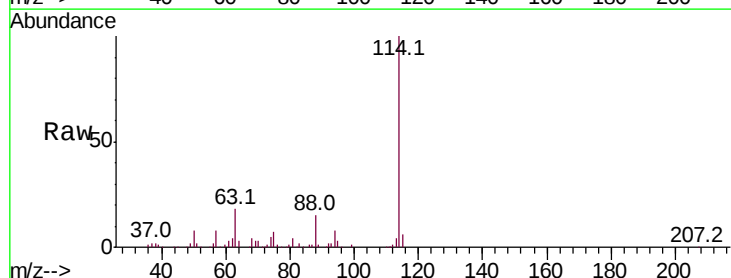
Tgt Ion: 114 Resp: 238314

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.8

88 15.0 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

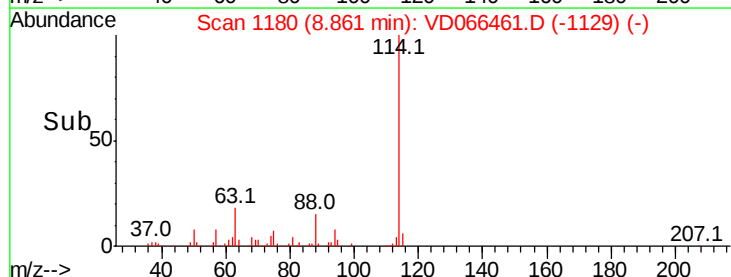
100000

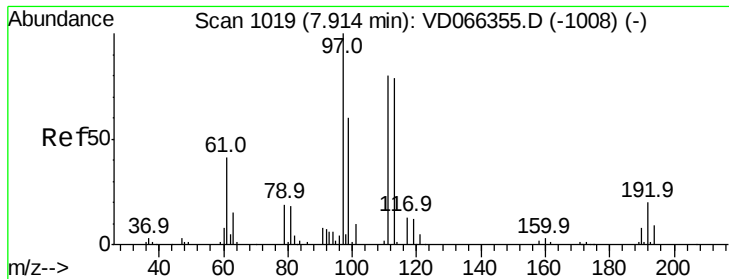
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 50.267 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP08-1824-01

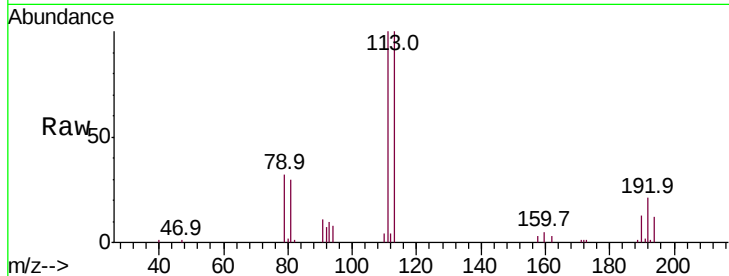
Tot Ion:113 Resp: 74908

Ion Ratio Lower Upper

113 100

111 103.1 80.3 120.5

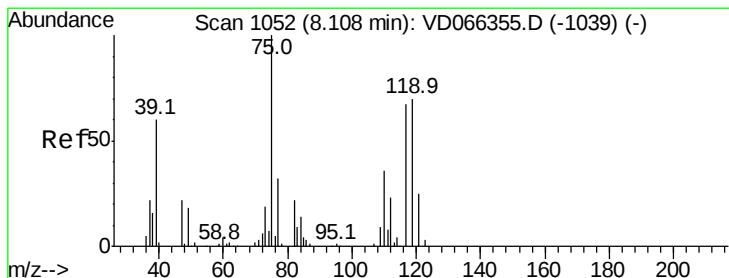
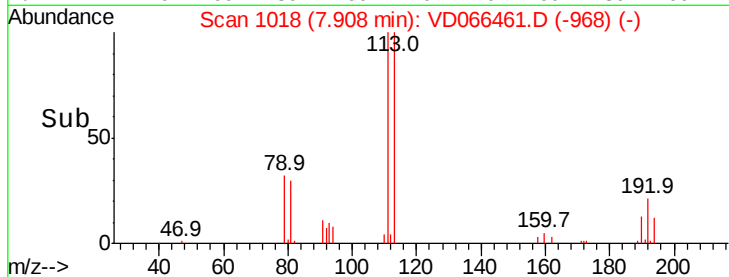
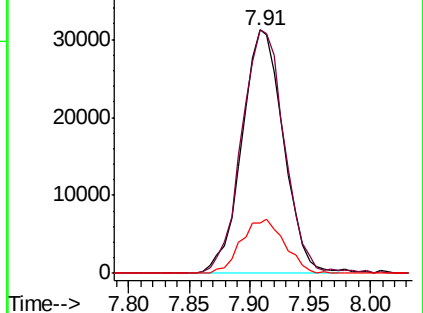
192 23.1 19.0 28.6



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: 5.212 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

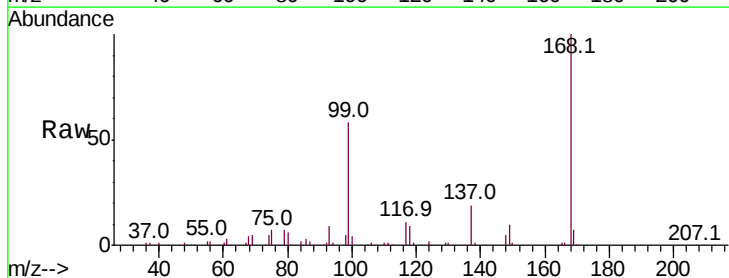
Tgt Ion: 75 Resp: 11334

Ion Ratio Lower Upper

75 100

110 14.2 18.7 56.1#

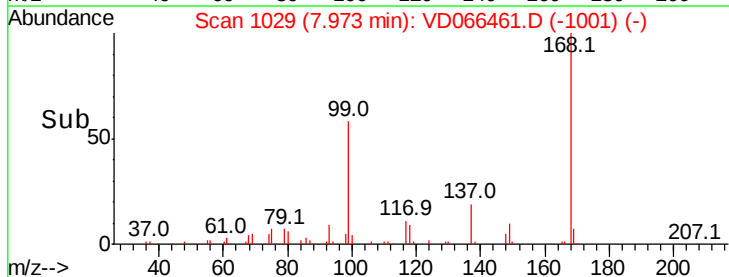
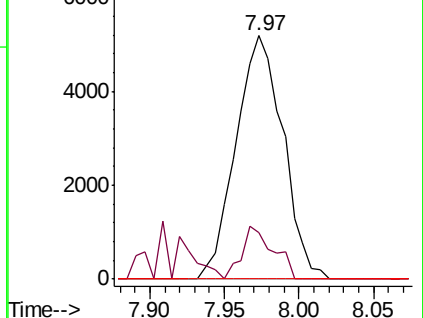
77 0.0 25.2 37.8#

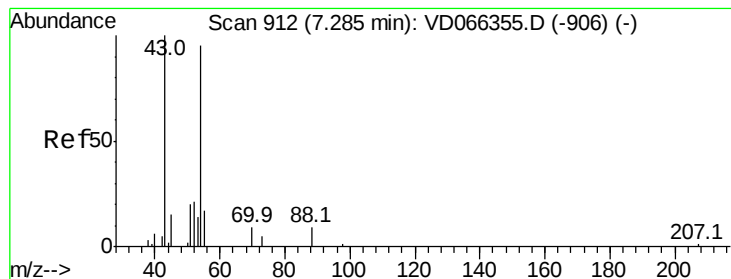


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.729 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.09 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

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789UMR-TP08-1824-01

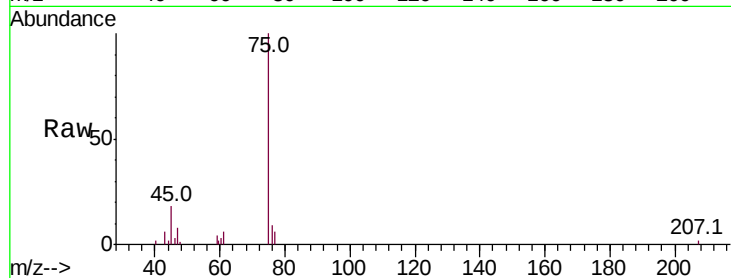
Tot Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

61 52.3 13.3 19.9#

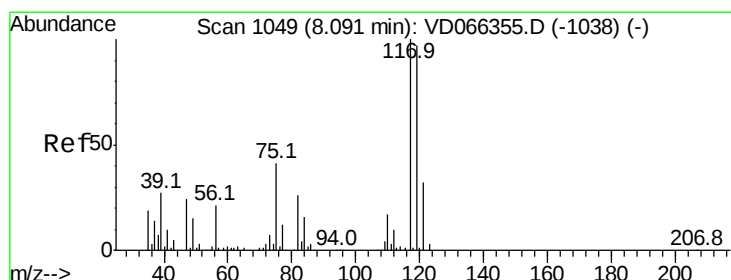
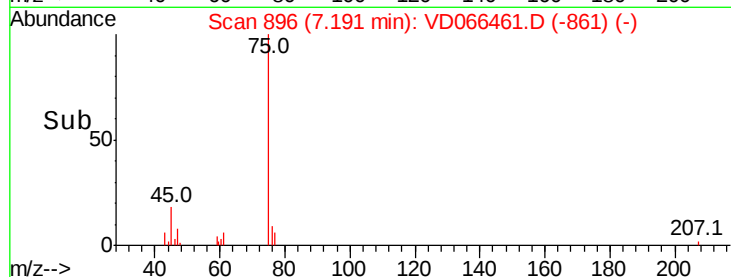
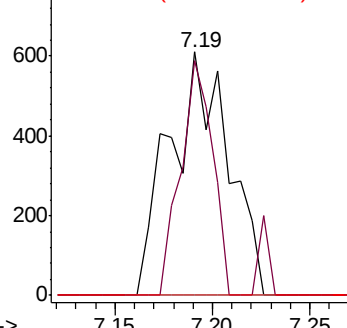
70 0.0 3.5 5.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.256 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

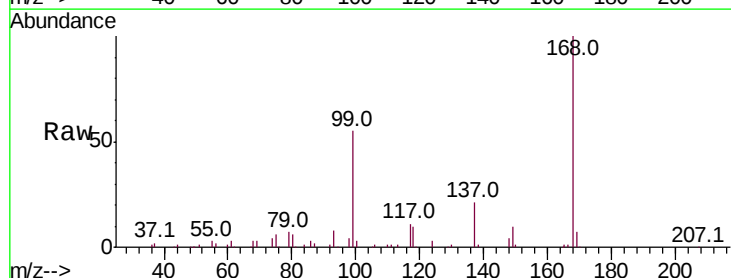
Tgt Ion: 117 Resp: 17722

Ion Ratio Lower Upper

117 100

119 3.1 77.2 115.8#

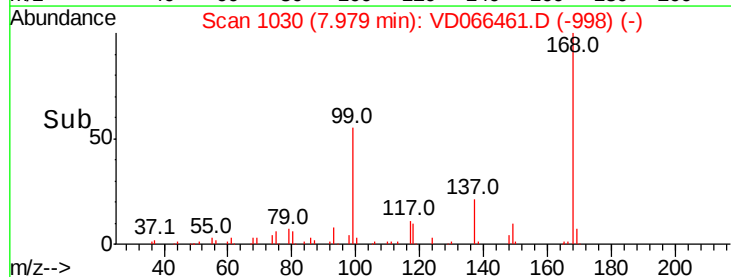
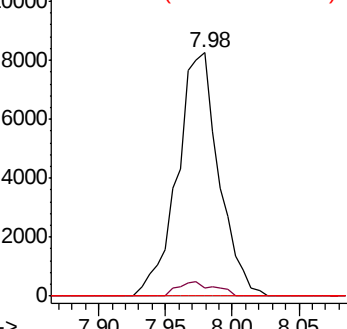
121 0.0 25.8 38.8#

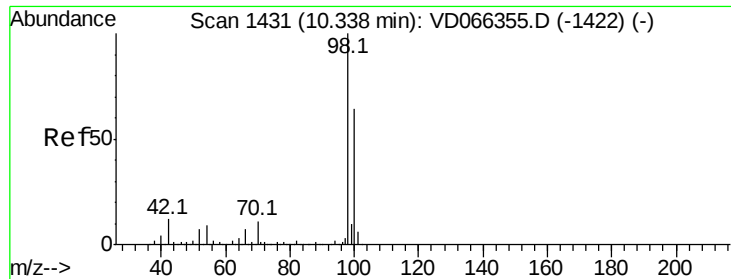


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

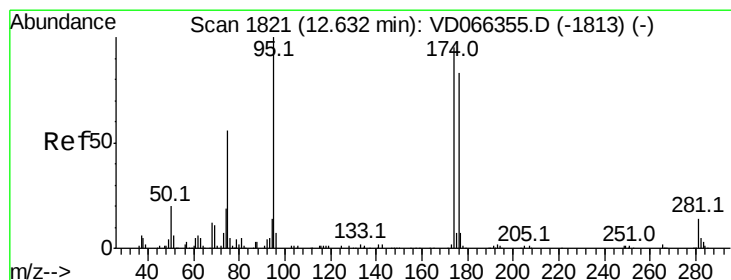
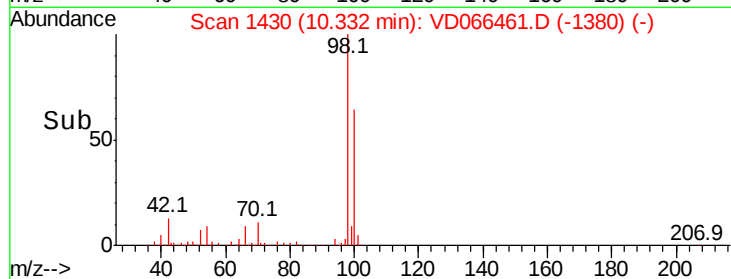
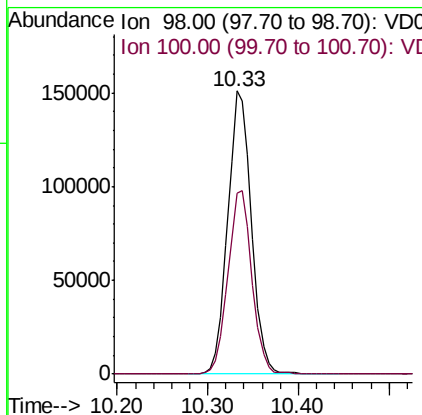
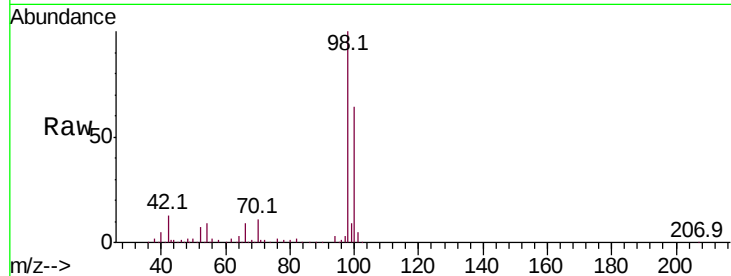




#50
Toluene-d8
Concen: 50.370 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066461.D
Acq: 28 Aug 2020 15:50

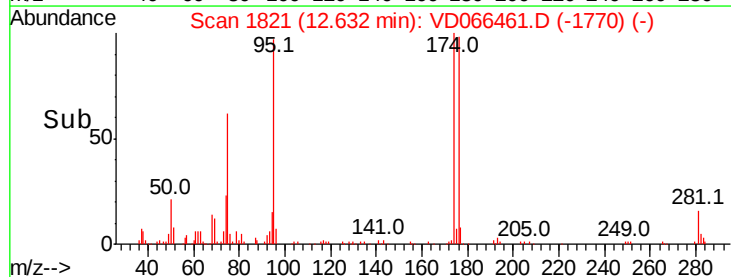
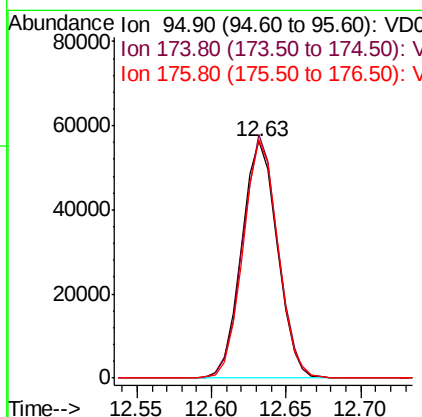
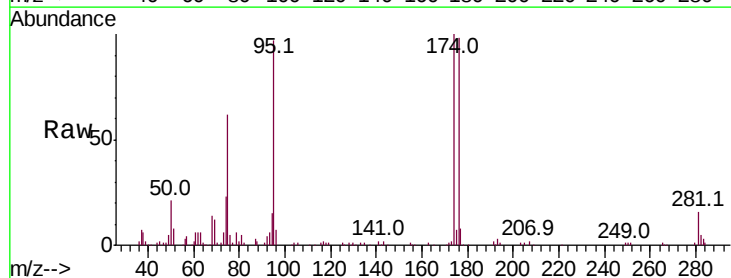
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP08-1824-01

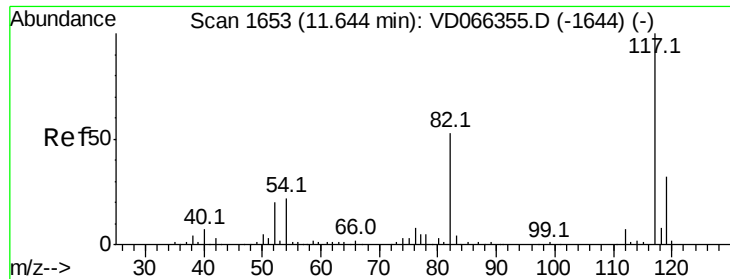
Tot Ion: 98 Resp: 274640
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.062 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066461.D
Acq: 28 Aug 2020 15:50

Tgt Ion: 95 Resp: 92988
Ion Ratio Lower Upper
95 100
174 101.1 0.0 183.4
176 98.6 0.0 173.8

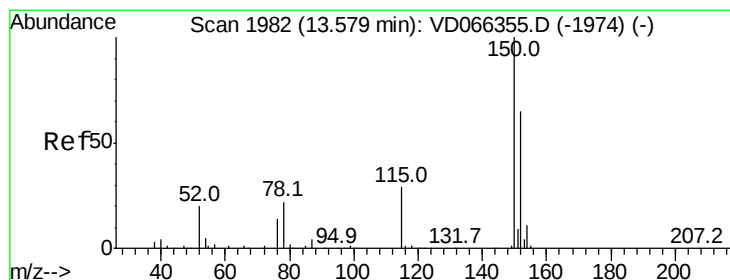
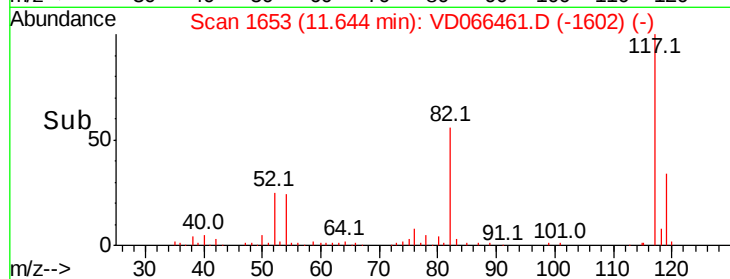
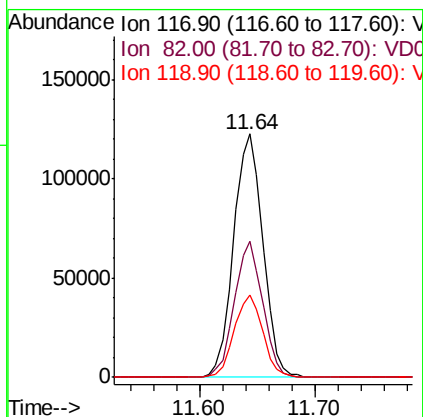
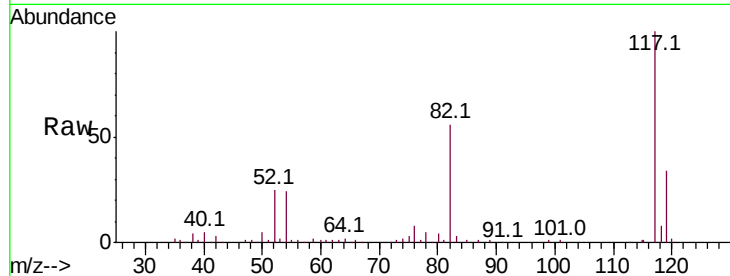




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066461.D
Acq: 28 Aug 2020 15:50

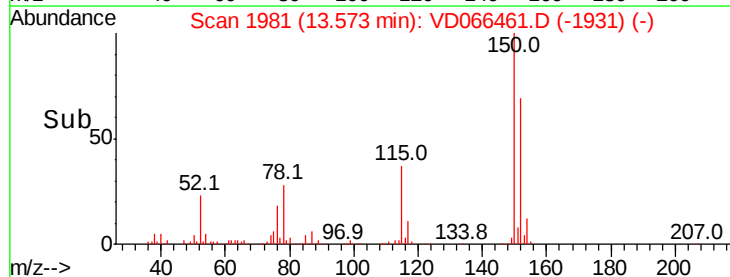
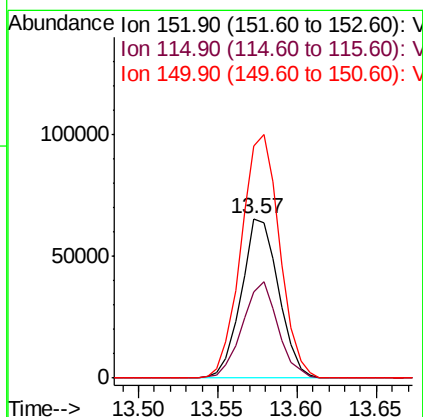
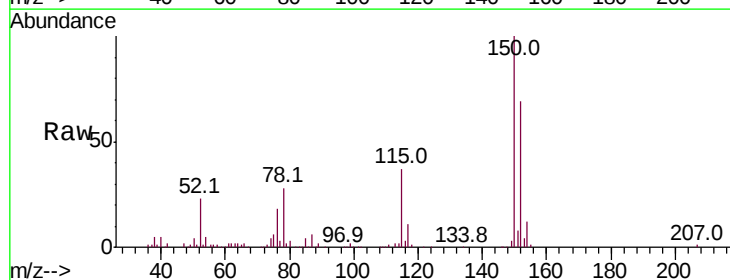
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP08-1824-01

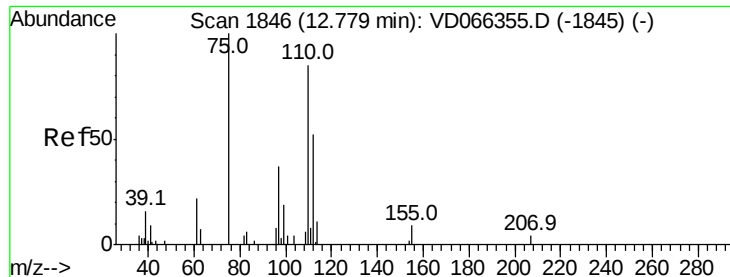
Tot Ion:117 Resp: 215818
Ion Ratio Lower Upper
117 100
82 55.7 42.8 64.2
119 33.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066461.D
Acq: 28 Aug 2020 15:50

Tgt Ion:152 Resp: 107111
Ion Ratio Lower Upper
152 100
115 57.5 28.3 85.0
150 157.1 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 77.293 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

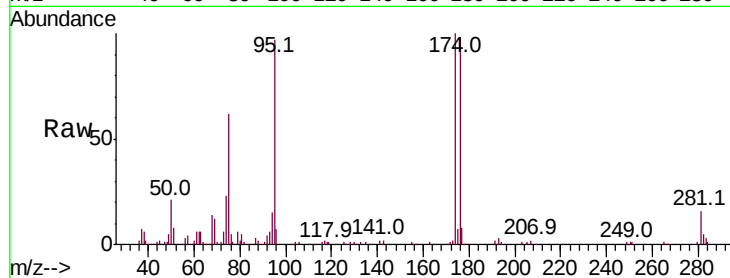
789UMR-TP08-1824-01

Tot Ion: 75 Resp: 58243

Ion Ratio Lower Upper

75 100

77 0.6 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

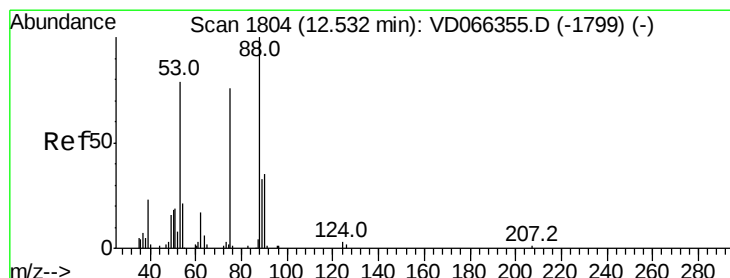
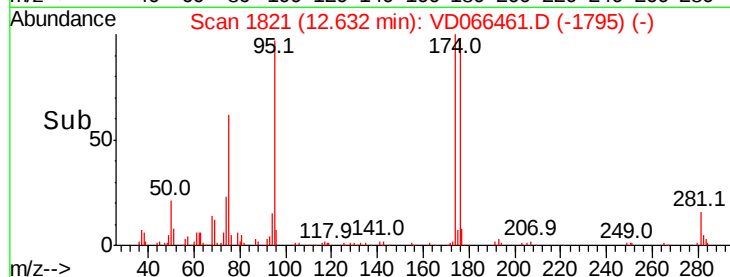
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 164.069 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066461.D

Acq: 28 Aug 2020 15:50

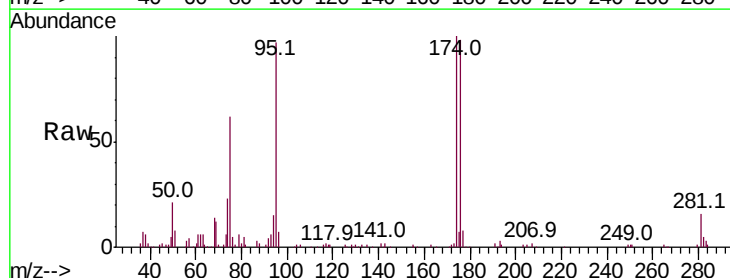
Tgt Ion: 75 Resp: 58243

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 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

12.63

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

