

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066446.D
 Acq On : 27 Aug 2020 19:34
 Operator : VA/SY
 Sample : L3823-06
 Misc : 7.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP05-1824-01

Quant Time: Aug 28 01:49:38 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	179433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	250709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	236004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	124925	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	98487	55.99	ug/l	0.00
Spiked Amount			Recovery	=	111.98%	
35) Dibromofluoromethane	7.91	113	79040	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.33	98	296128	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.63	95	103893	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

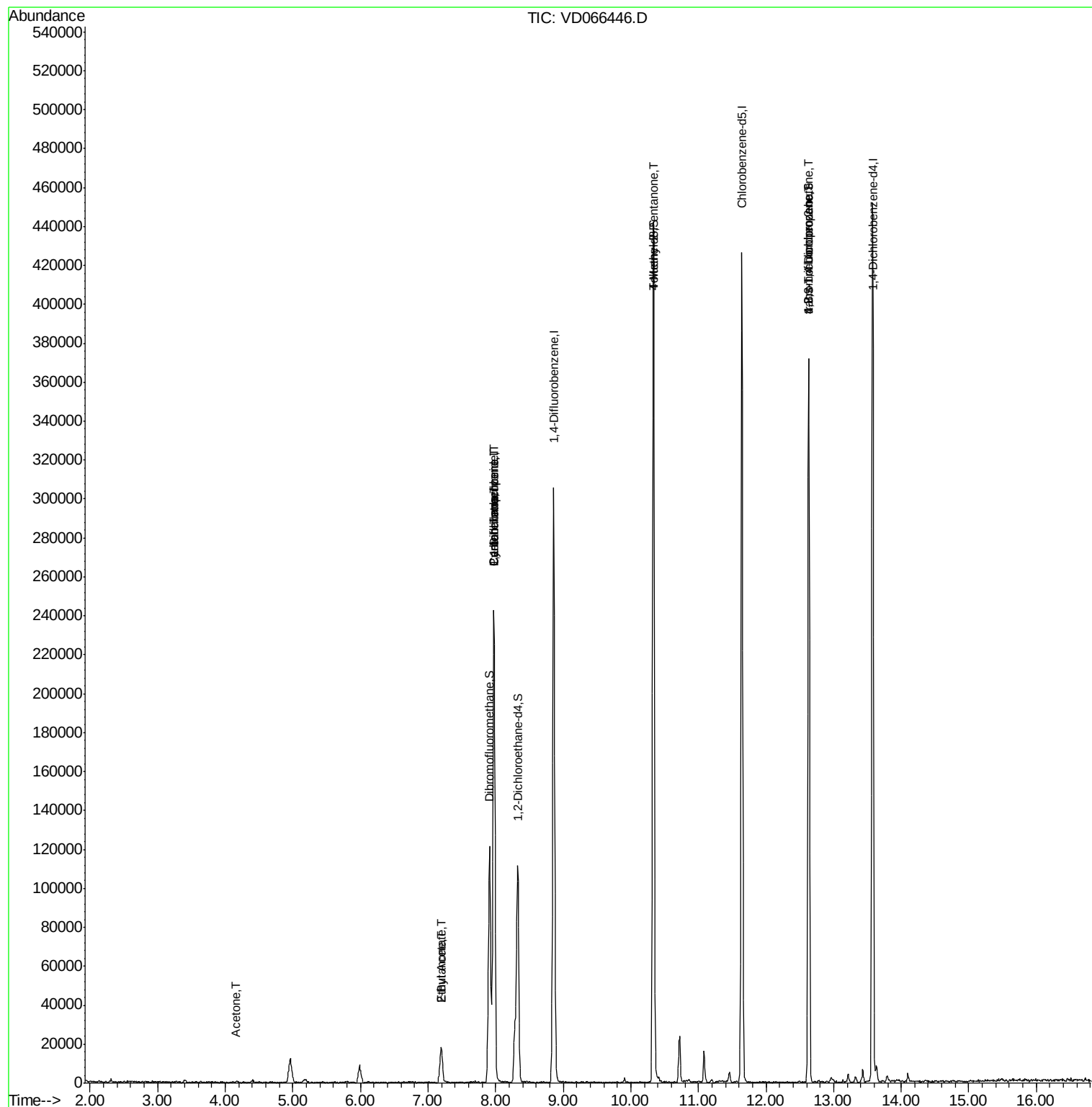
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	879	Below Cal	#	71
16) Acetone	4.16	43	561	1.769	ug/l #	46
20) Methylene Chloride	4.96	84	9594	Below Cal		97
25) 2-Butanone	7.19	43	867	2.408	ug/l #	47
31) Cyclohexane	7.97	56	4519	1.850	ug/l #	20
36) 1,1-Dichloropropene	7.97	75	13244	5.790	ug/l #	52
37) Ethyl Acetate	7.19	43	867	1.114	ug/l #	66
38) Carbon Tetrachloride	7.98	117	18449	6.190	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	1468	1.943	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	61628	70.123	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	61628	148.849	ug/l #	6

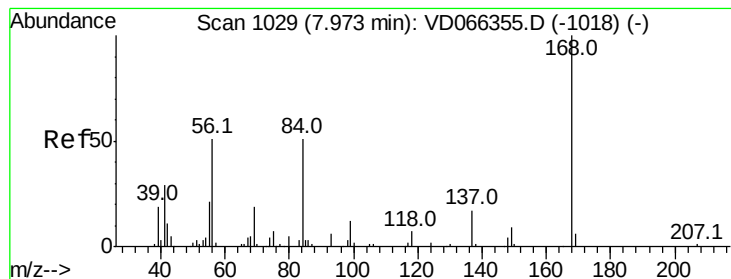
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066446.D

Acq: 27 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

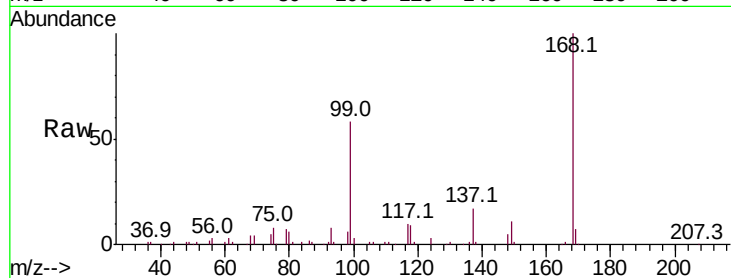
789UMR-TP05-1824-01

Tot Ion:168 Resp: 179433

Ion Ratio Lower Upper

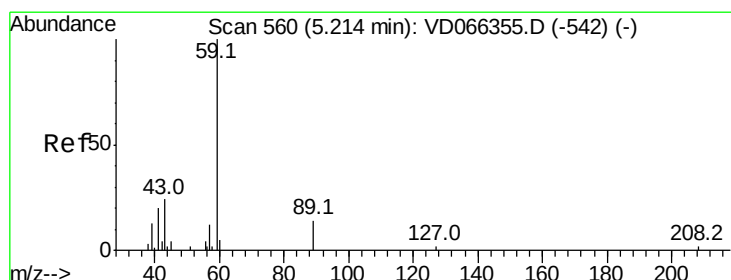
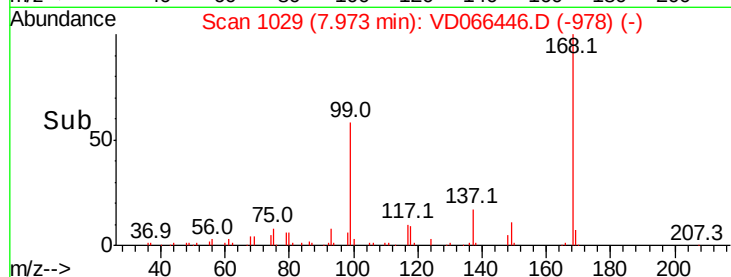
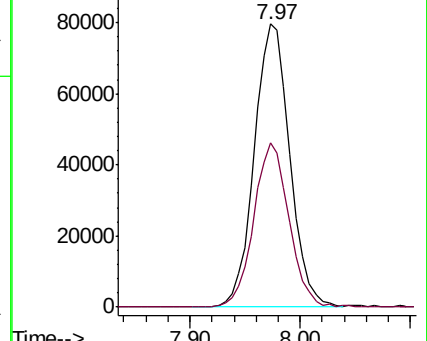
168 100

99 58.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 552

Delta R.T. -0.05 min

Lab File: VD066446.D

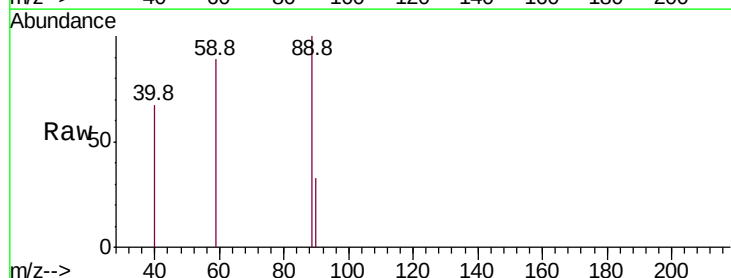
Acq: 27 Aug 2020 19:34

Tgt Ion: 59 Resp: 879

Ion Ratio Lower Upper

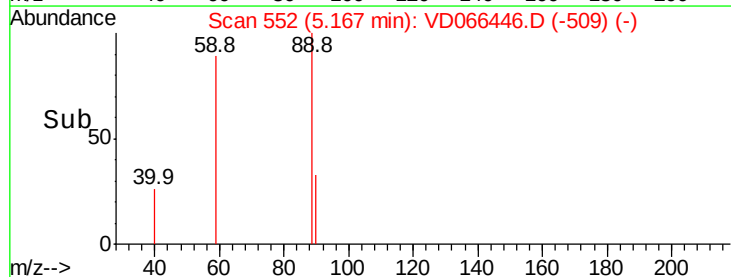
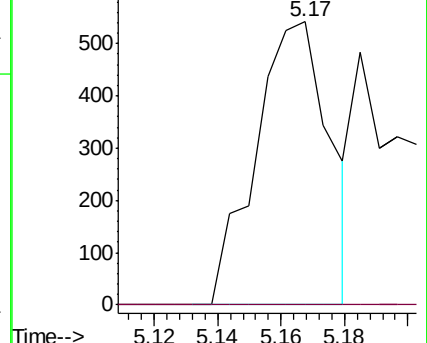
59 100

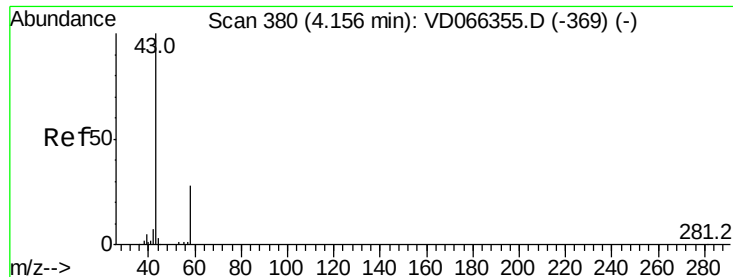
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.769 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

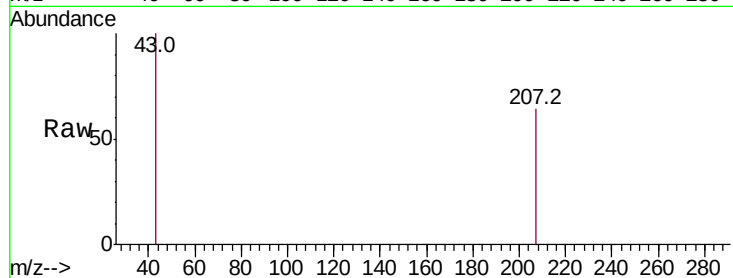
789UMR-TP05-1824-01

Tot Ion: 43 Resp: 561

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

4.16

500

400

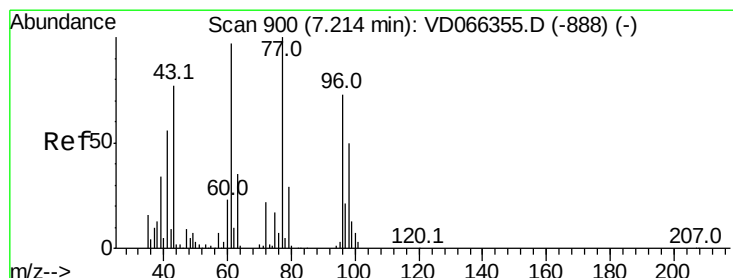
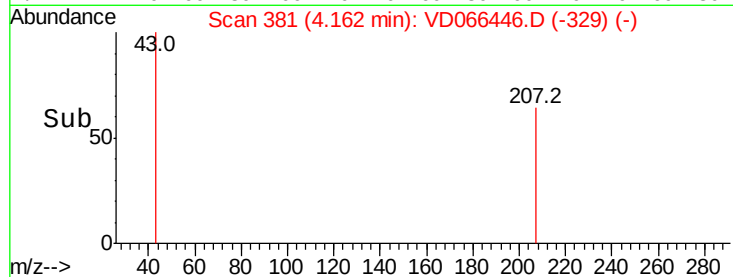
300

200

100

0

Time--> 4.12 4.14 4.16 4.18 4.20



#25

2-Butanone

Concen: 2.408 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066446.D

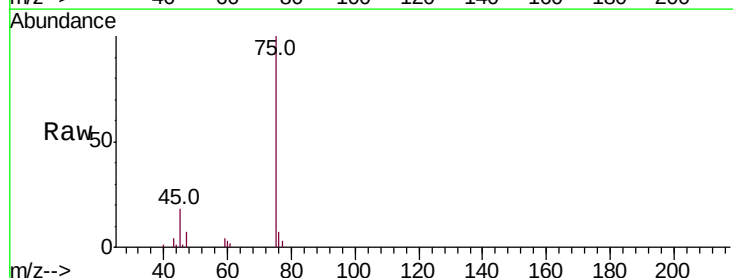
Acq: 27 Aug 2020 19:34

Tgt Ion: 43 Resp: 867

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

7.19

500

400

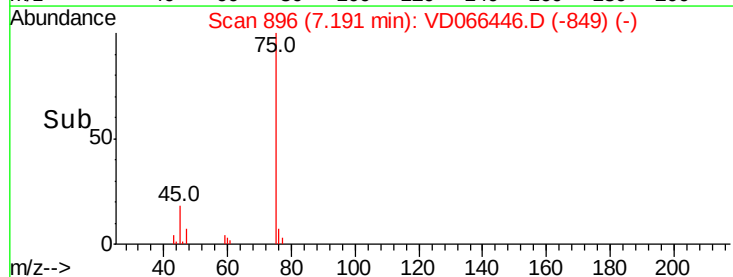
300

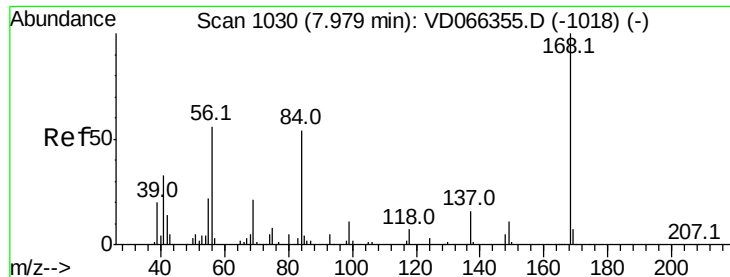
200

100

0

Time--> 7.15 7.20

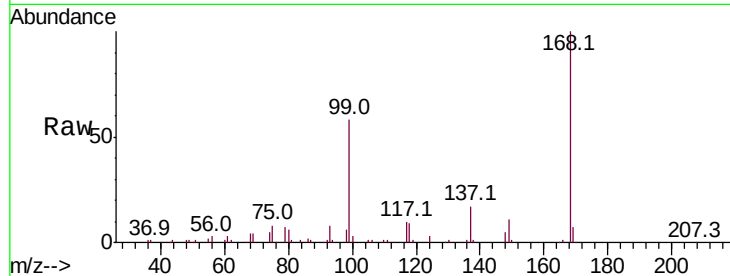




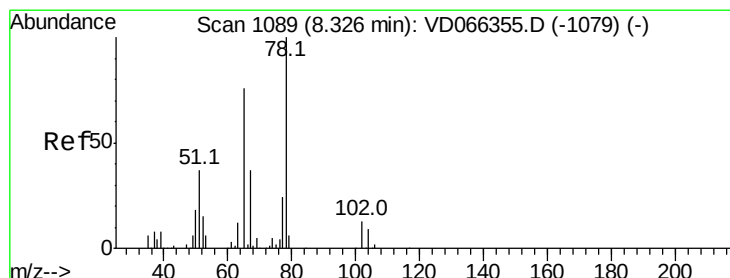
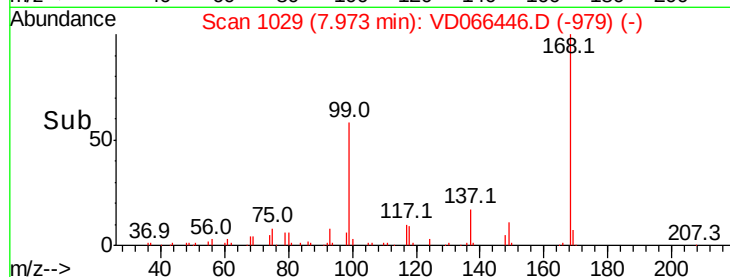
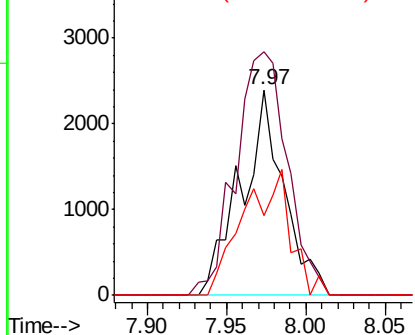
#31
Cyclohexane
Concen: 1.850 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066446.D
Acq: 27 Aug 2020 19:34

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP05-1824-01

Tot Ion: 56 Resp: 4519
Ion Ratio Lower Upper
56 100
69 118.6 29.6 44.4#
84 39.2 76.6 115.0#

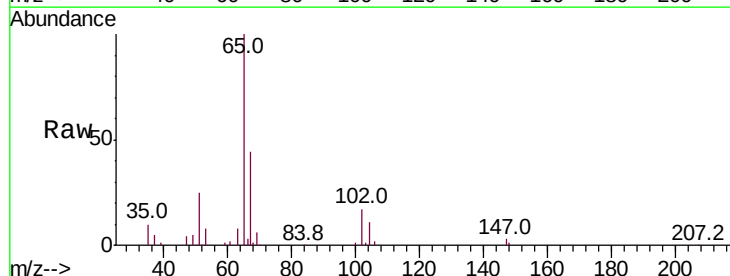


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

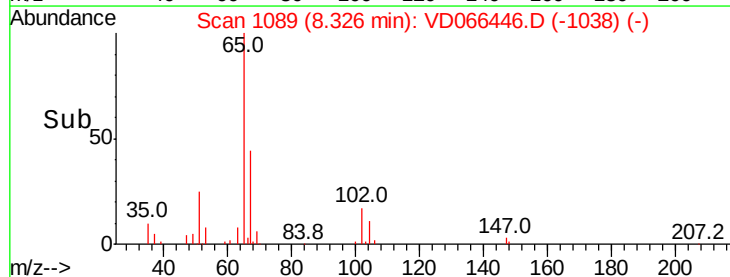
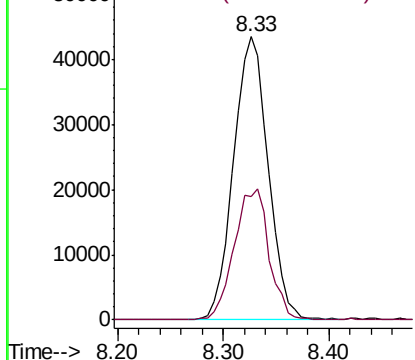


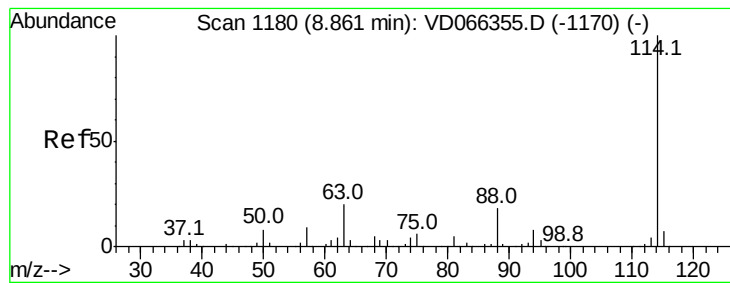
#33
1,2-Dichloroethane-d4
Concen: 55.986 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066446.D
Acq: 27 Aug 2020 19:34

Tgt Ion: 65 Resp: 98487
Ion Ratio Lower Upper
65 100
67 46.6 0.0 101.6



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: VD066446.D

Acq: 27 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP05-1824-01

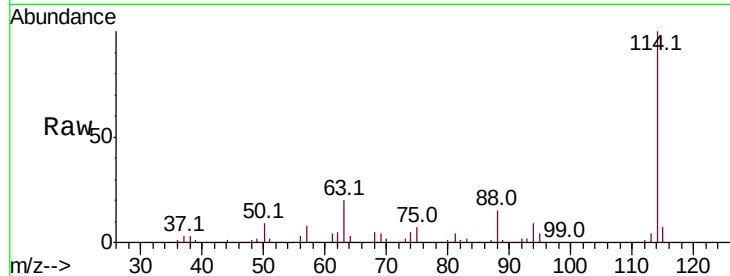
Tot Ion:114 Resp: 250709

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

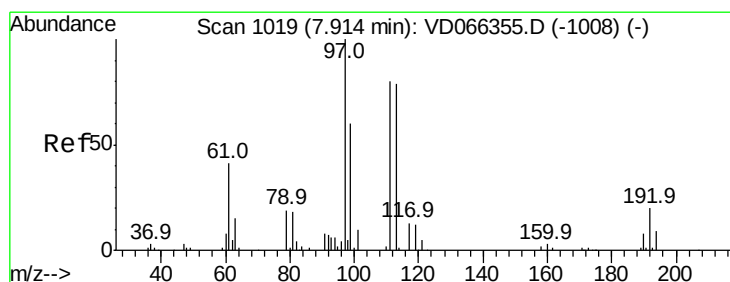
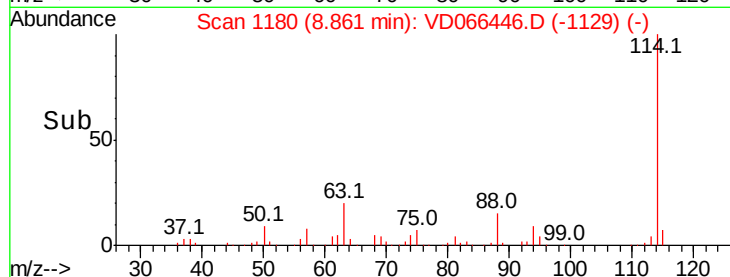
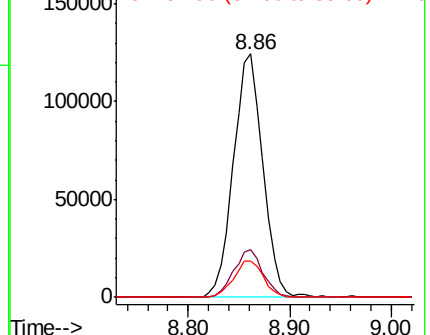
88 15.1 0.0 35.4



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: 50.418 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

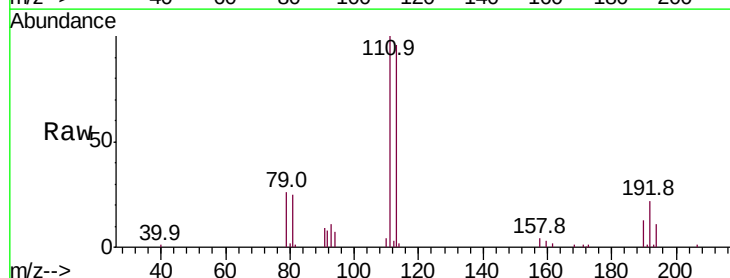
Tgt Ion:113 Resp: 79040

Ion Ratio Lower Upper

113 100

111 103.7 80.3 120.5

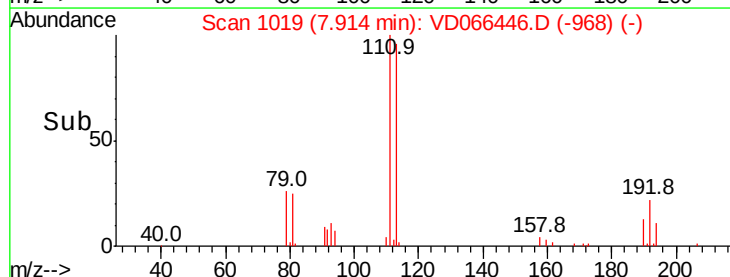
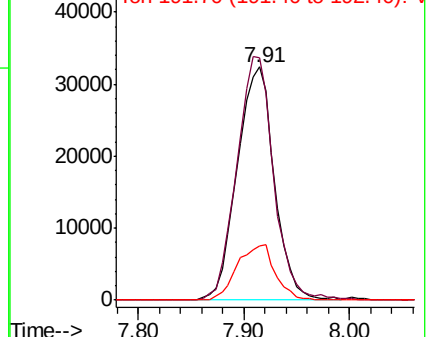
192 24.3 19.0 28.6

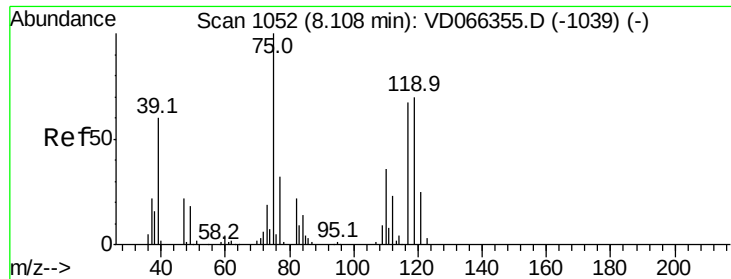


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.790 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

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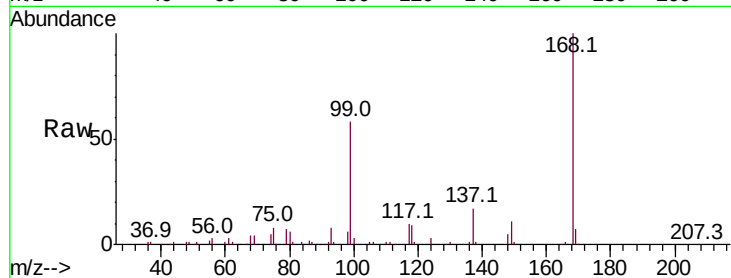
Tot Ion: 75 Resp: 13244

Ion Ratio Lower Upper

75 100

110 13.1 18.7 56.1#

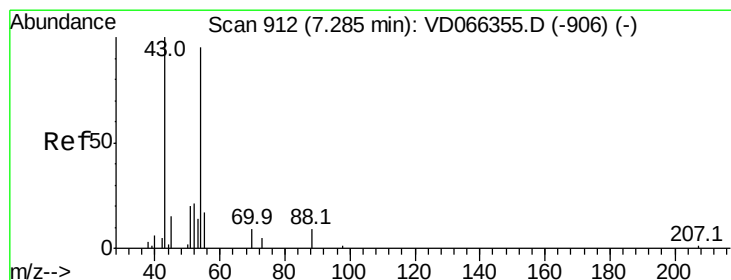
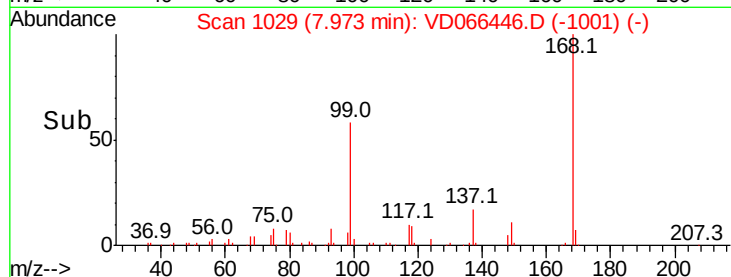
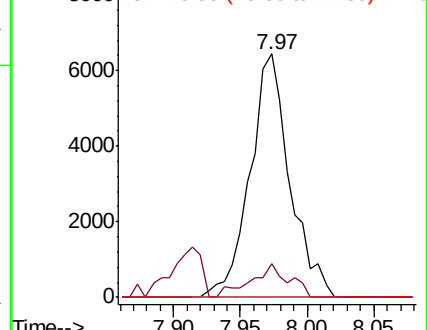
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.114 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.09 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

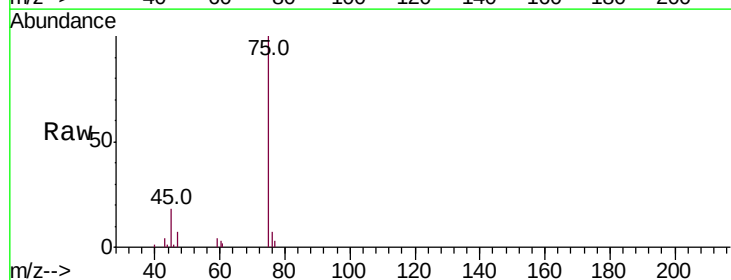
Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

61 33.8 13.3 19.9#

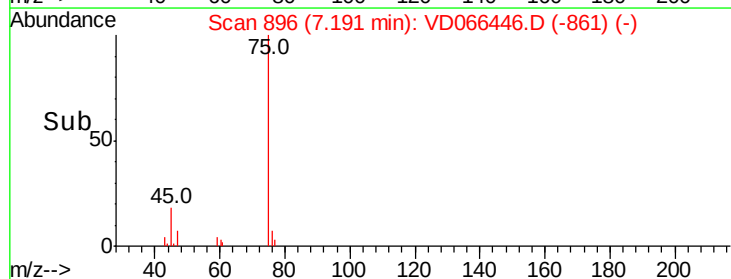
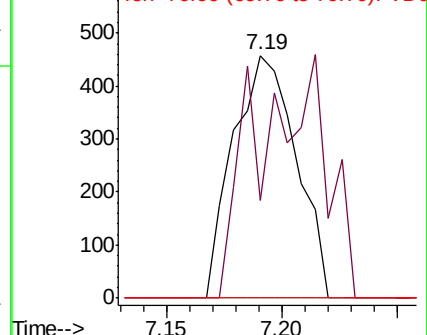
70 0.0 3.5 5.3#

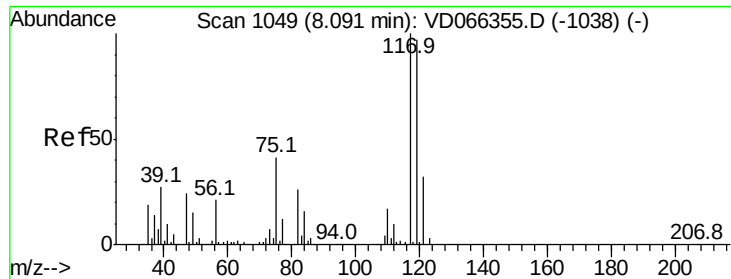


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.190 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

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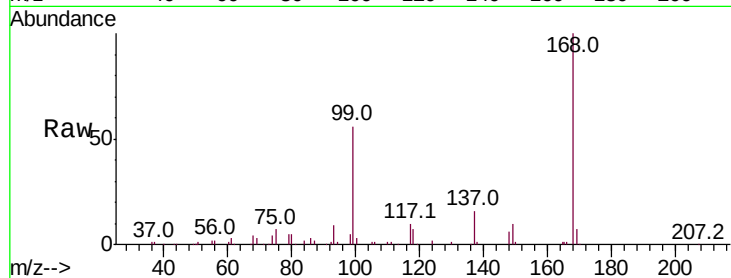
Tot Ion:117 Resp: 18449

Ion Ratio Lower Upper

117 100

119 4.1 77.2 115.8#

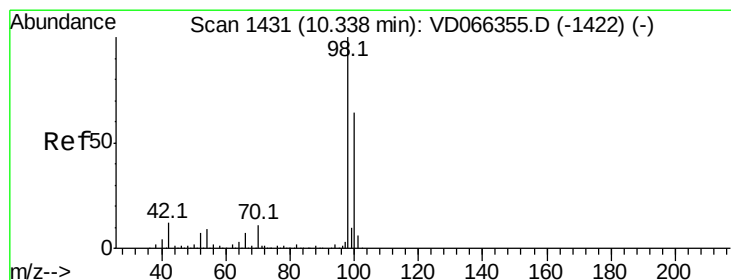
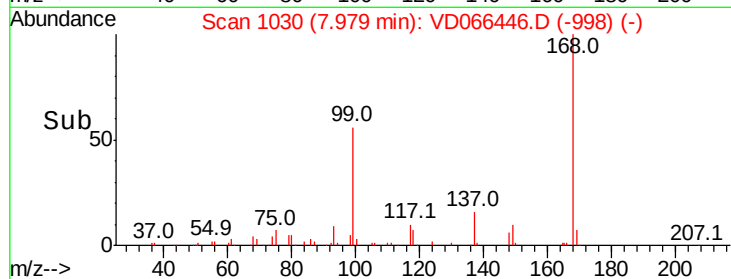
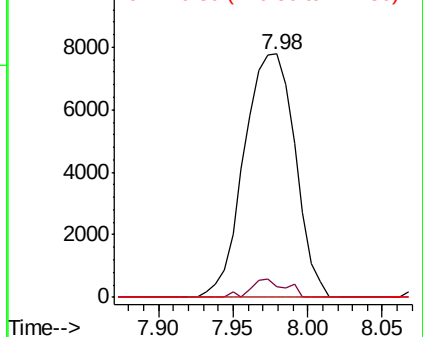
121 0.0 25.8 38.8#



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: 51.626 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066446.D

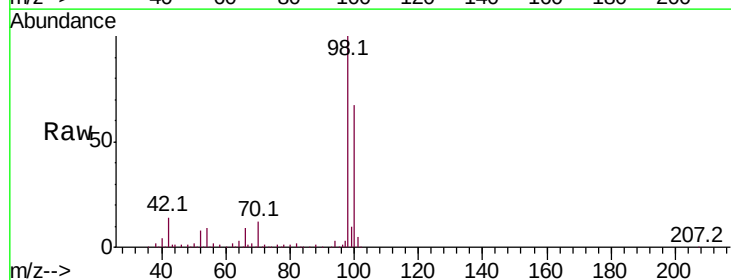
Acq: 27 Aug 2020 19:34

Tgt Ion: 98 Resp: 296128

Ion Ratio Lower Upper

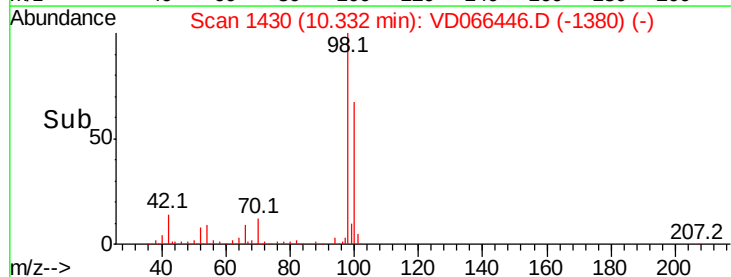
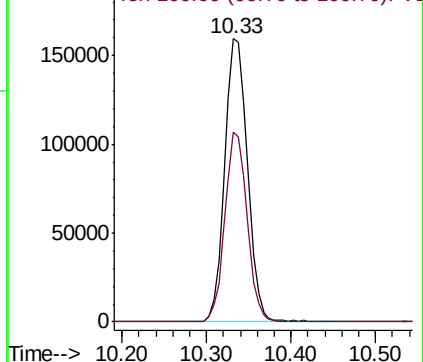
98 100

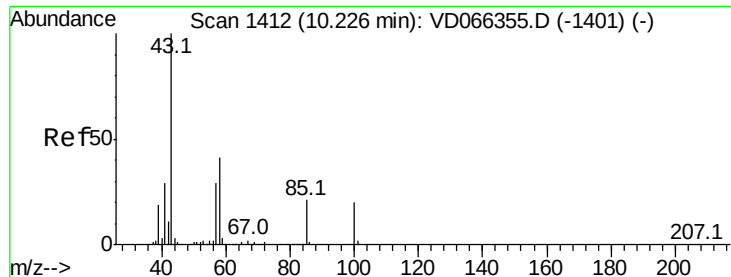
100 65.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.943 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

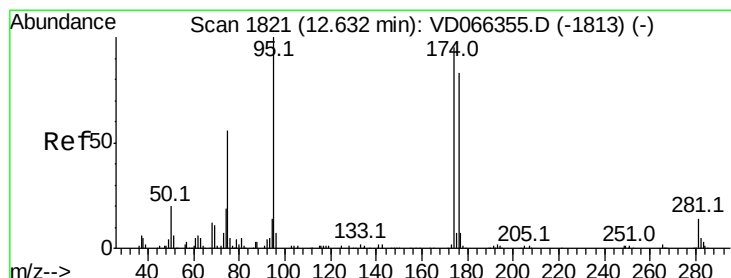
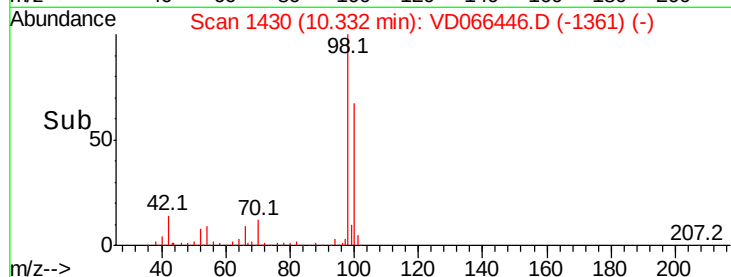
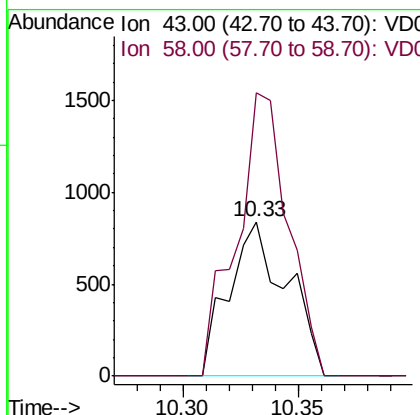
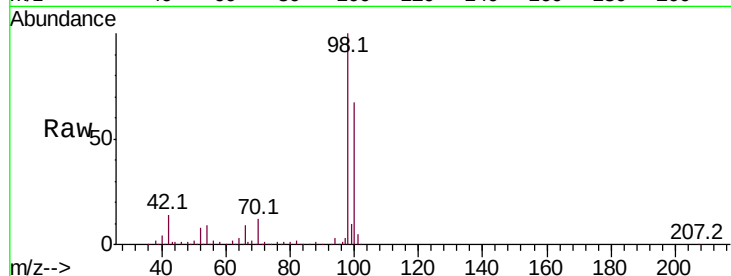
Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

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Tot Ion: 43 Resp: 1468

Ion	Ratio	Lower	Upper
43	100		
58	164.4	31.4	47.2#



#62

4-Bromofluorobenzene

Concen: 51.043 ug/l

RT: 12.63 min Scan# 1821

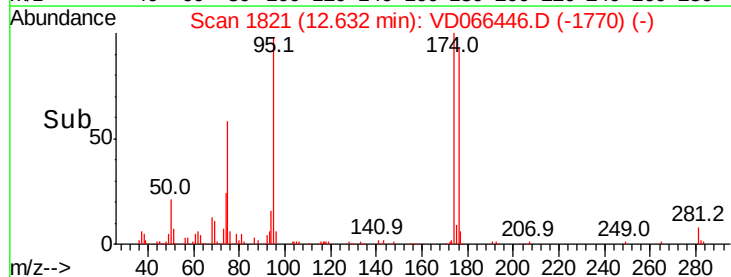
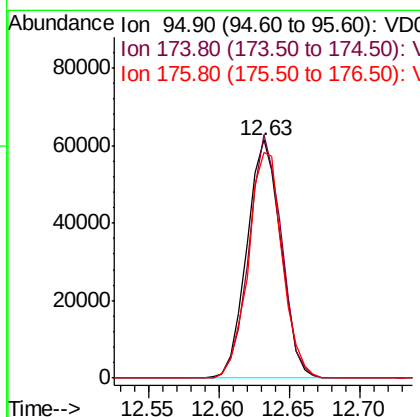
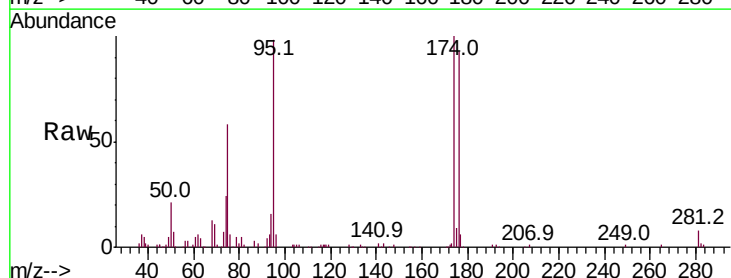
Delta R.T. -0.00 min

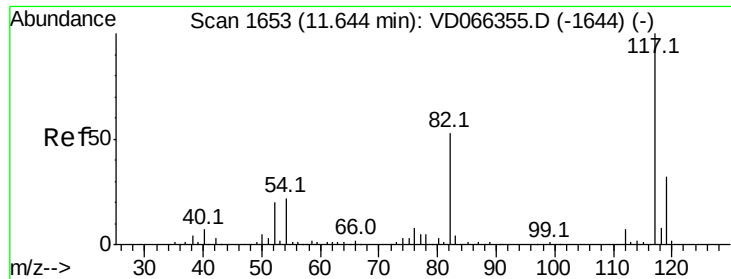
Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

Tgt Ion: 95 Resp: 103893

Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	183.4
176	95.2	0.0	173.8

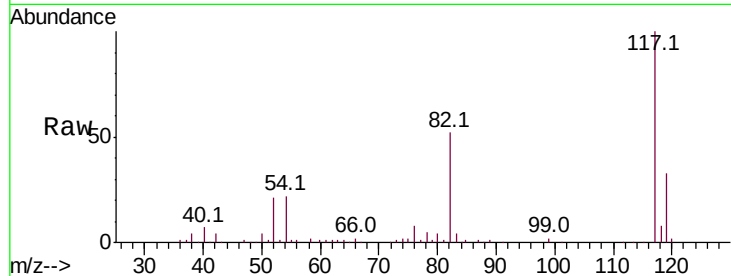




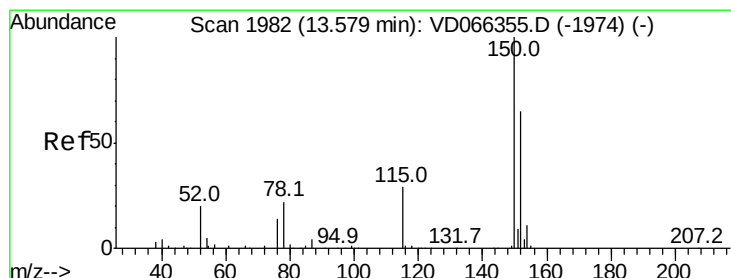
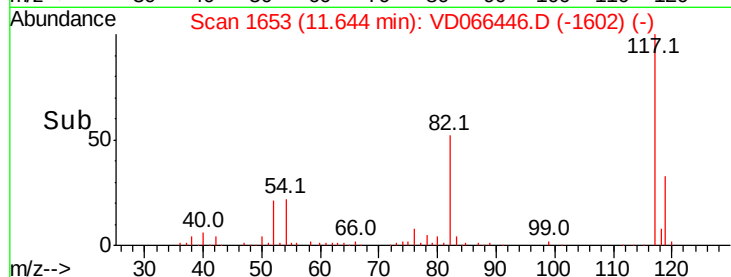
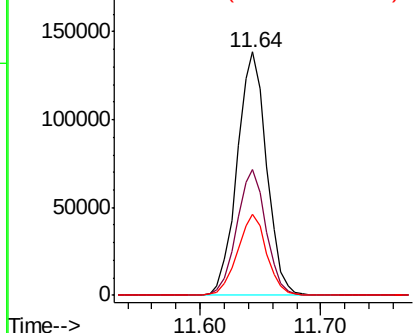
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066446.D
Acq: 27 Aug 2020 19:34

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP05-1824-01

Tot Ion:117 Resp: 236004
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 33.1 25.8 38.8

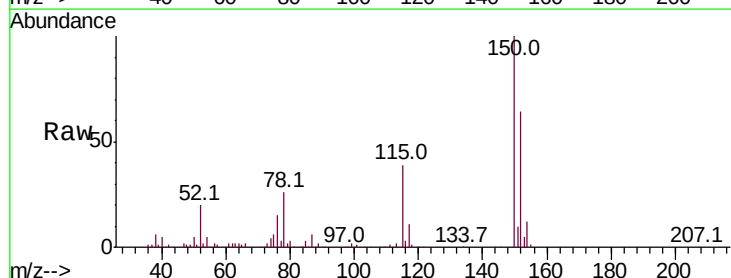


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

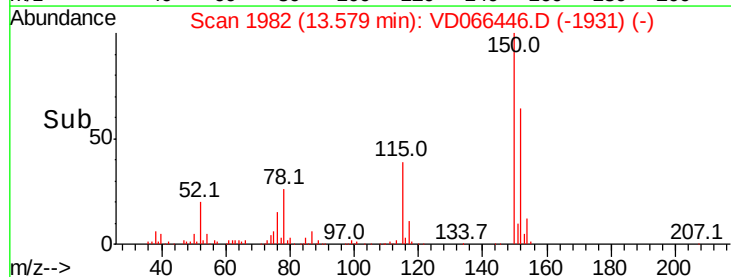
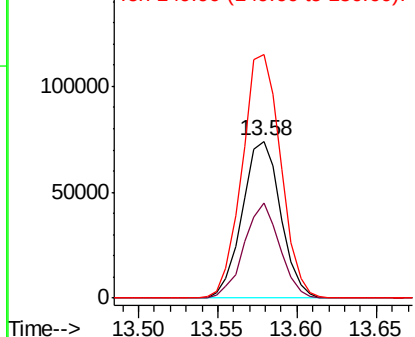


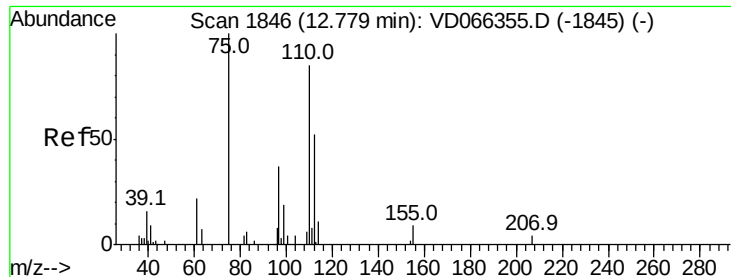
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066446.D
Acq: 27 Aug 2020 19:34

Tgt Ion:152 Resp: 124925
Ion Ratio Lower Upper
152 100
115 56.2 28.3 85.0
150 156.2 0.0 343.2



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: 70.123 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

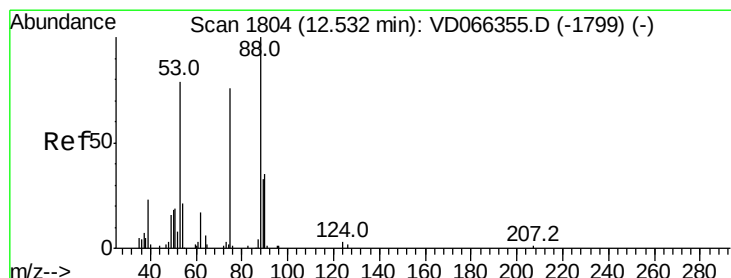
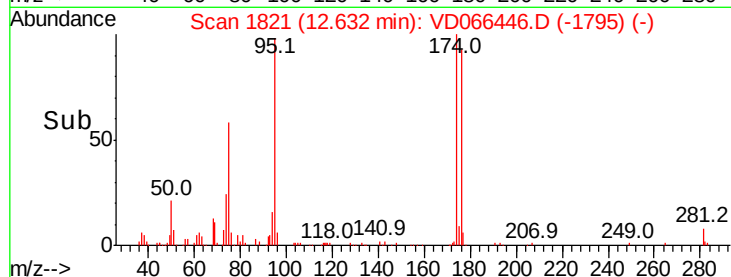
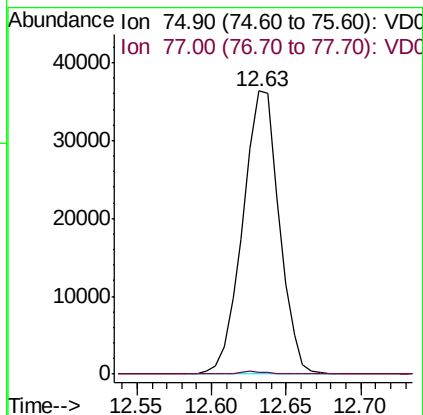
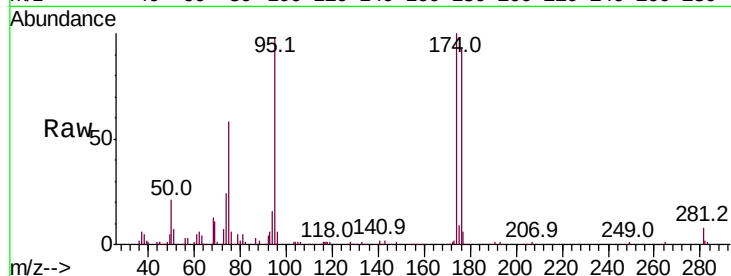
789UMR-TP05-1824-01

Tot Ion: 75 Resp: 61628

Ion Ratio Lower Upper

75 100

77 0.6 182.9 548.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.849 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066446.D

Acq: 27 Aug 2020 19:34

Tgt Ion: 75 Resp: 61628

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

89 0.0 39.4 59.0#

