

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066467.D
 Acq On : 28 Aug 2020 18:35
 Operator : VA/SY
 Sample : L3827-12
 Misc : 6.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-2430-01

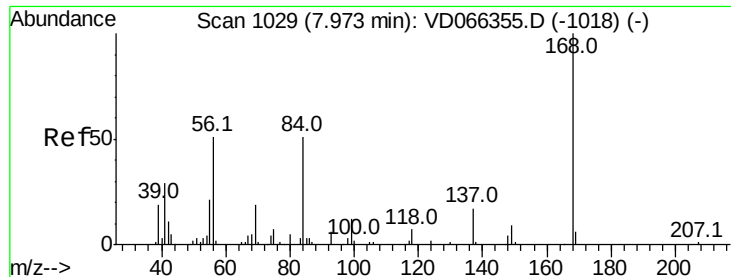
Quant Time: Aug 29 00:47:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	190033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	255501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	238605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	122187	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	102097	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	80475	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.33	98	298101	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.63	95	105666	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	397	Below Cal	#	71
20) Methylene Chloride	4.95	84	8205	Below Cal	#	84
25) 2-Butanone	7.20	43	957	2.510	ug/l #	47
31) Cyclohexane	7.97	56	4564	1.764	ug/l #	25
36) 1,1-Dichloropropene	7.97	75	13268	5.691	ug/l #	52
37) Ethyl Acetate	7.20	43	957	1.207	ug/l #	1
38) Carbon Tetrachloride	7.97	117	19780	6.512	ug/l #	15
59) 2-Hexanone	10.86	43	878	1.617	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	63676	74.077	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	63676	157.242	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066467.D

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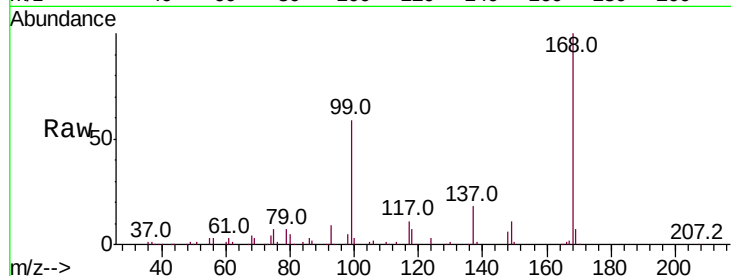
789UMR-TP11-2430-01

Tot Ion:168 Resp: 190033

Ion Ratio Lower Upper

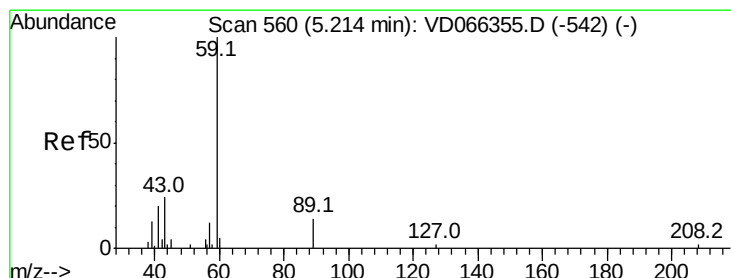
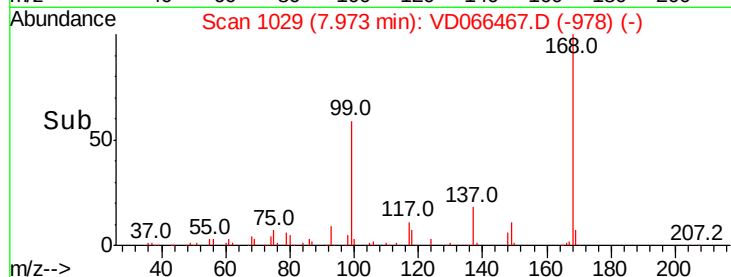
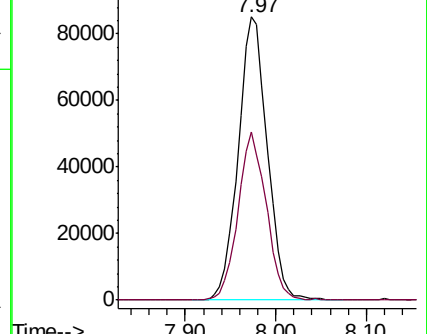
168 100

99 59.5 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: 5.19 min Scan# 556

Delta R.T. -0.02 min

Lab File: VD066467.D

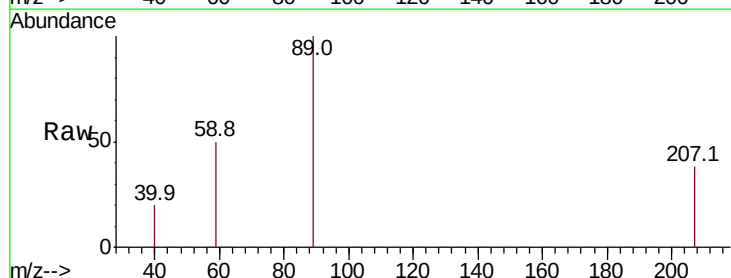
Acq: 28 Aug 2020 18:35

Tgt Ion: 59 Resp: 397

Ion Ratio Lower Upper

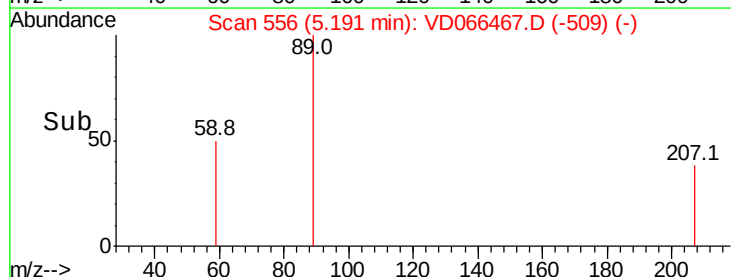
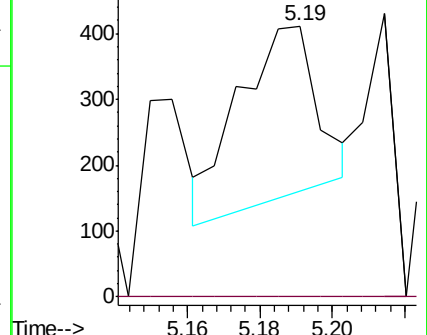
59 100

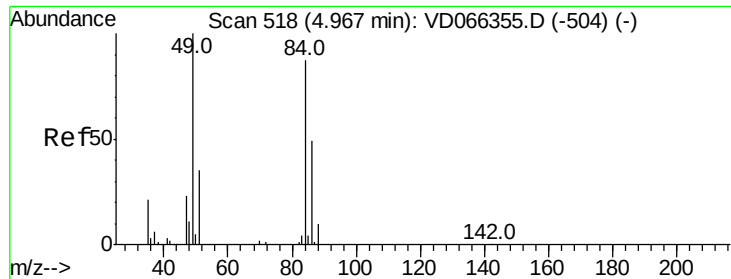
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

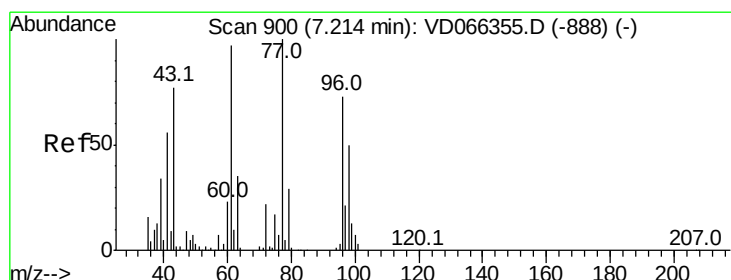
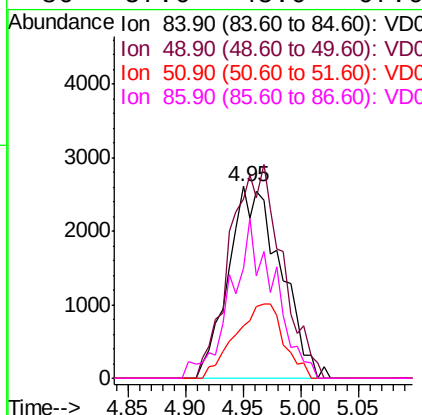
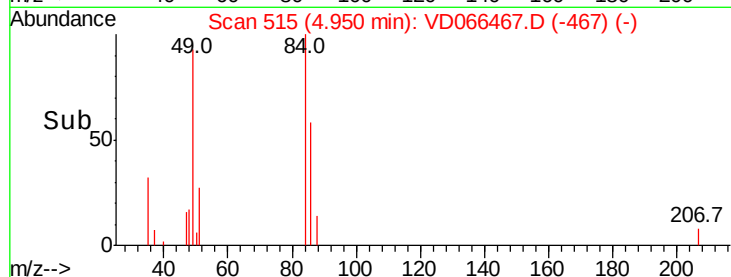
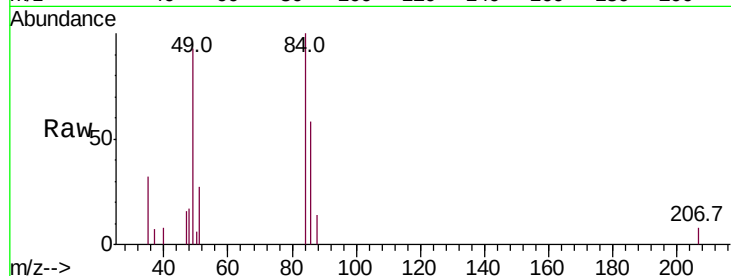




#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.02 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

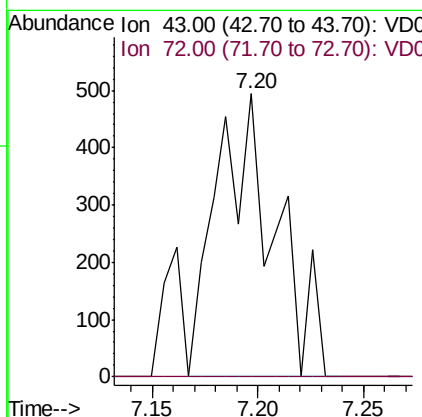
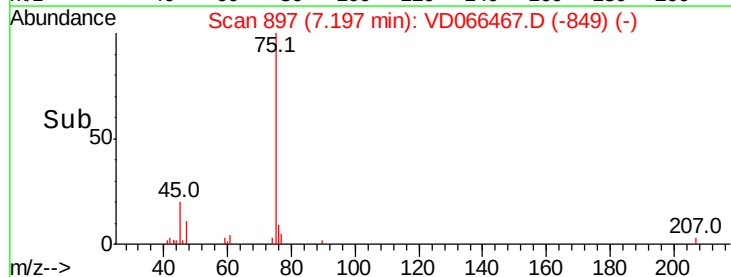
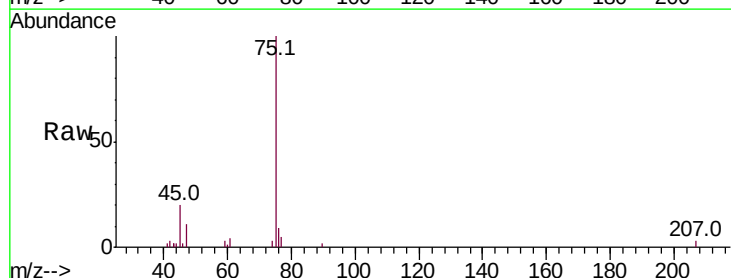
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-2430-01

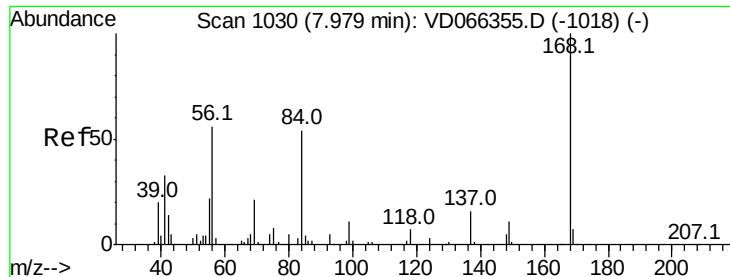
Tot Ion: 84 Resp: 8205
Ion Ratio Lower Upper
84 100
49 93.3 92.5 138.7
51 27.5 32.5 48.7#
86 57.6 45.0 67.6



#25
2-Butanone
Concen: 2.510 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#

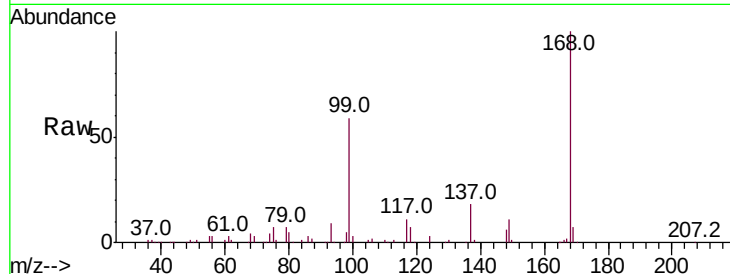




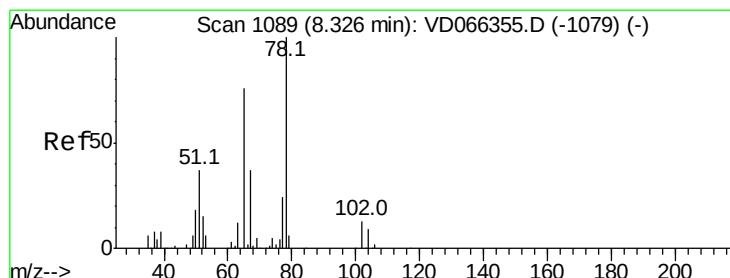
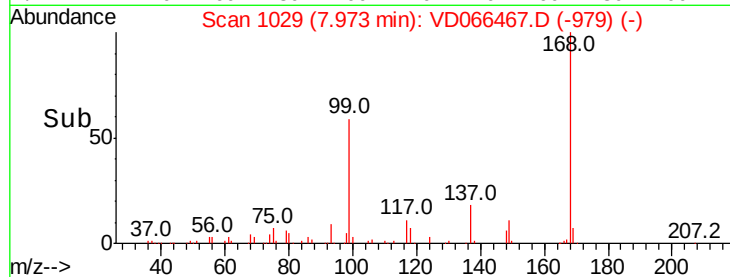
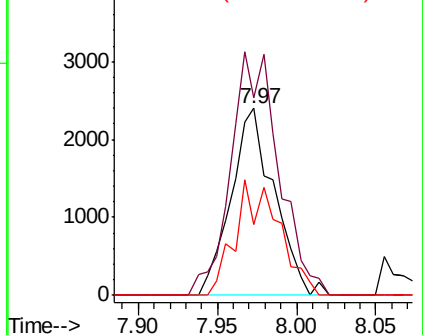
#31
Cyclohexane
Concen: 1.764 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-2430-01

Tot Ion: 56 Resp: 4564
Ion Ratio Lower Upper
56 100
69 105.3 29.6 44.4#
84 37.9 76.6 115.0#

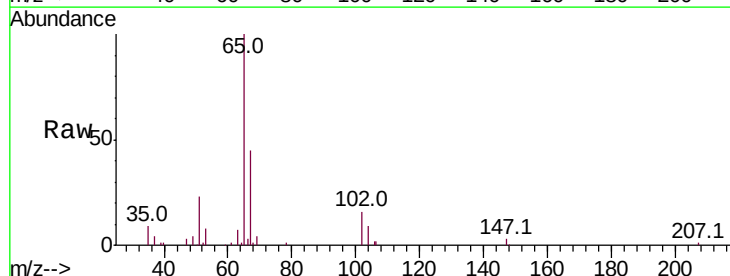


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

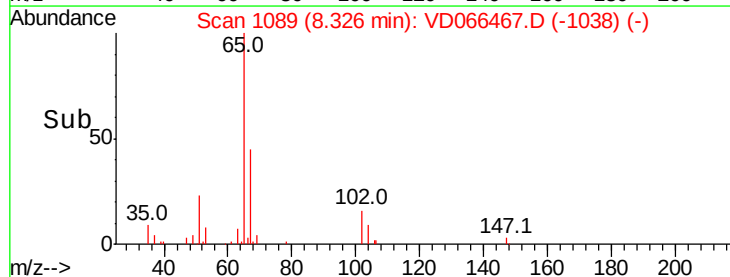
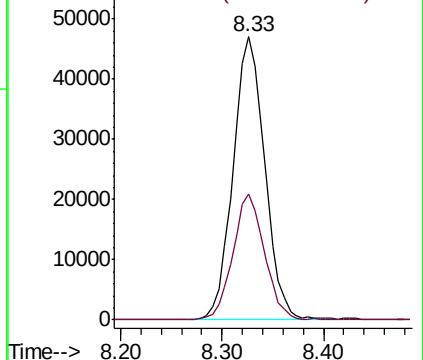


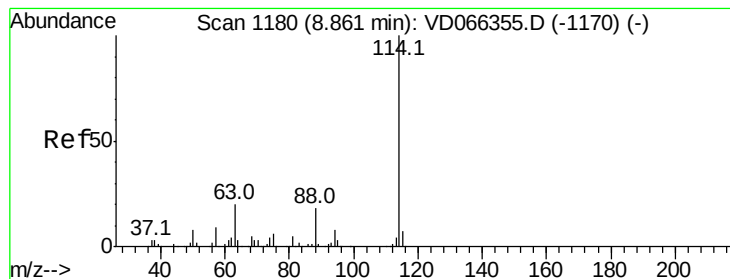
#33
1,2-Dichloroethane-d4
Concen: 54.800 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

Tgt Ion: 65 Resp: 102097
Ion Ratio Lower Upper
65 100
67 44.2 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# 1179

Delta R.T. -0.01 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-2430-01

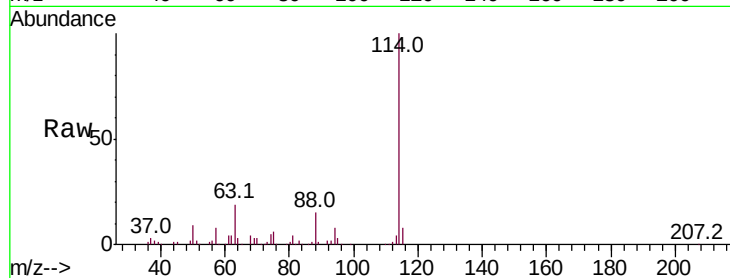
Tot Ion:114 Resp: 255501

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

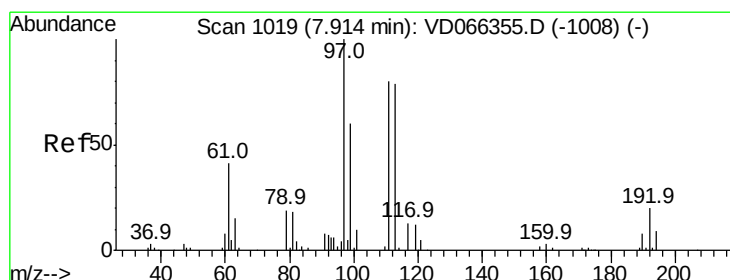
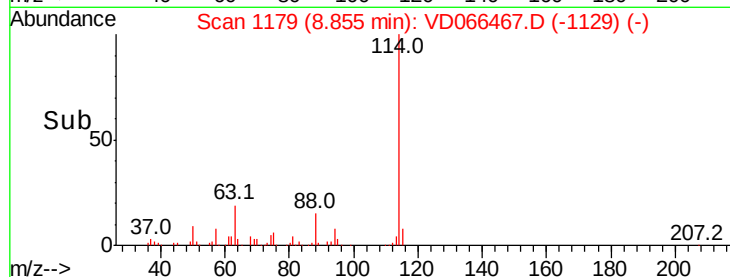
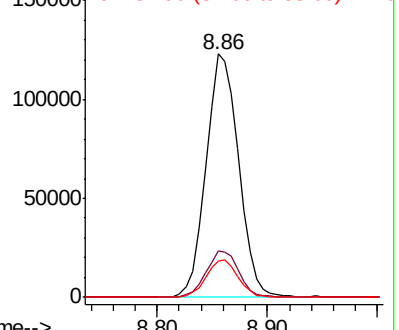
88 15.0 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.370 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

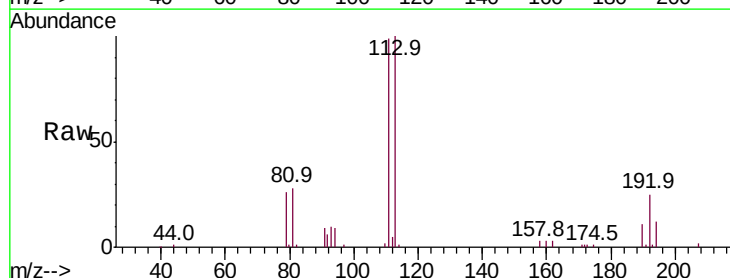
Tgt Ion:113 Resp: 80475

Ion Ratio Lower Upper

113 100

111 102.8 80.3 120.5

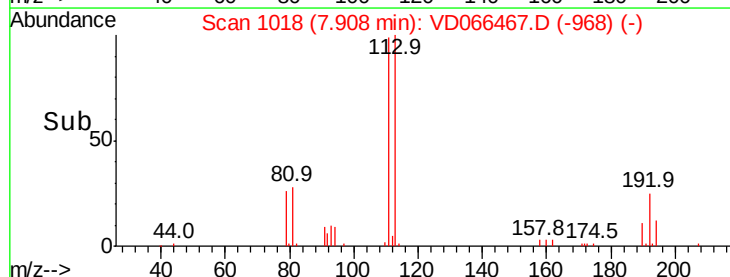
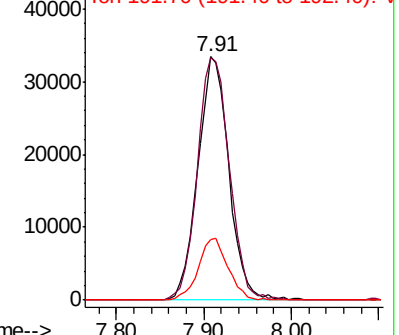
192 24.3 19.0 28.6

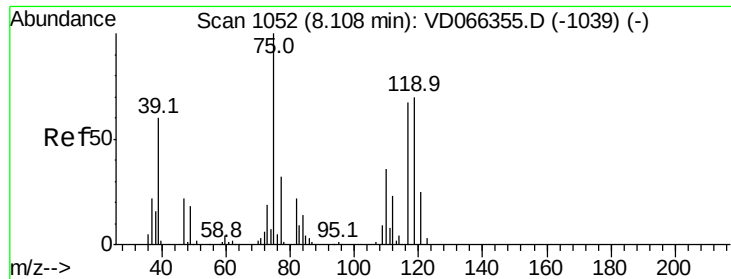


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.691 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-2430-01

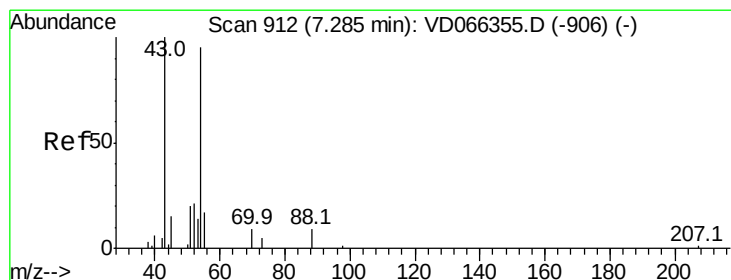
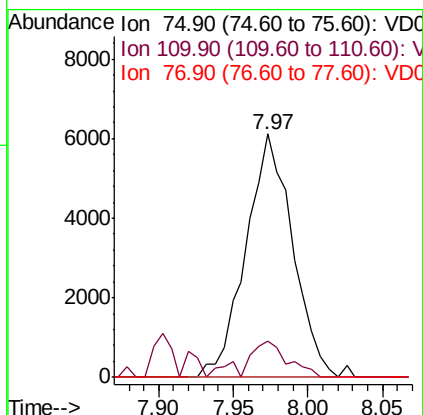
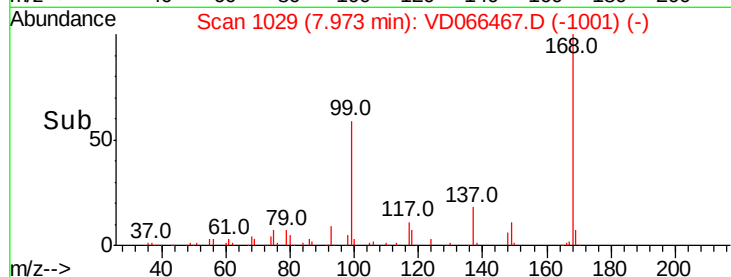
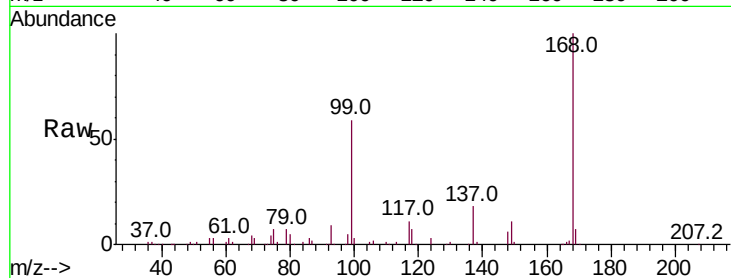
Tot Ion: 75 Resp: 13268

Ion Ratio Lower Upper

75 100

110 13.6 18.7 56.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.207 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.09 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

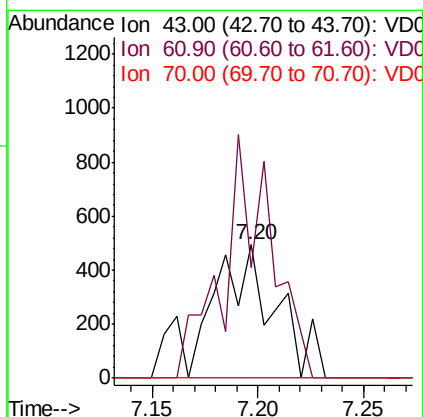
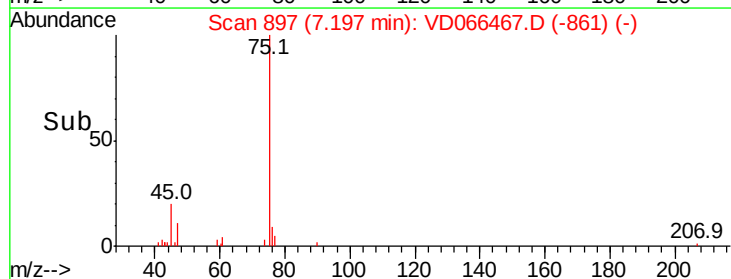
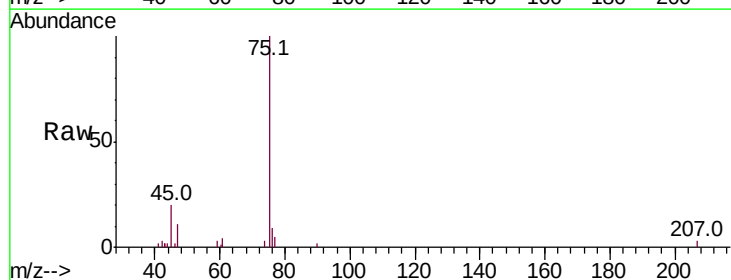
Tgt Ion: 43 Resp: 957

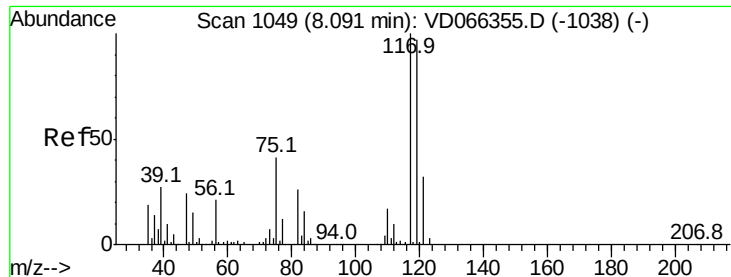
Ion Ratio Lower Upper

43 100

61 147.5 13.3 19.9#

70 0.0 3.5 5.3#

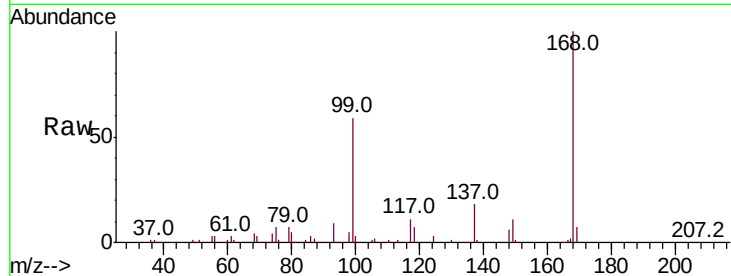




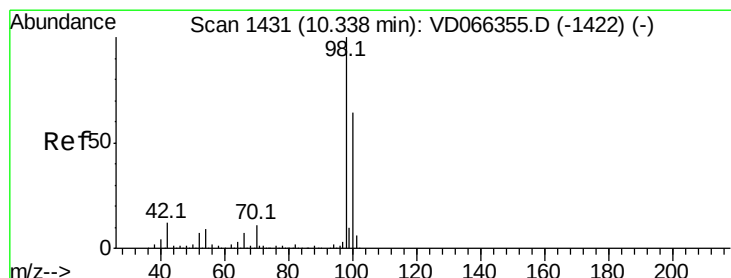
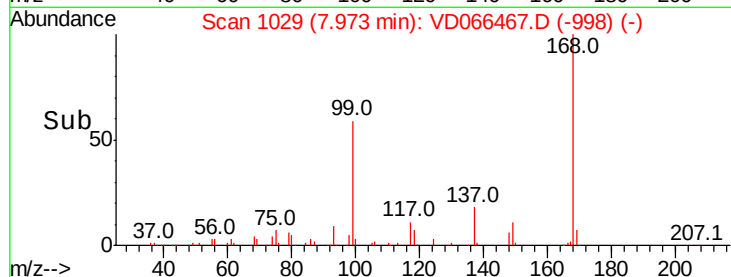
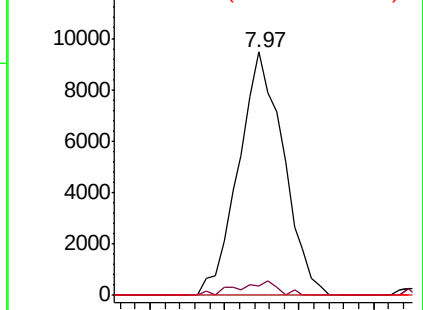
#38
Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-2430-01

Tot Ion:117 Resp: 19780
Ion Ratio Lower Upper
117 100
119 3.6 77.2 115.8#
121 0.0 25.8 38.8#

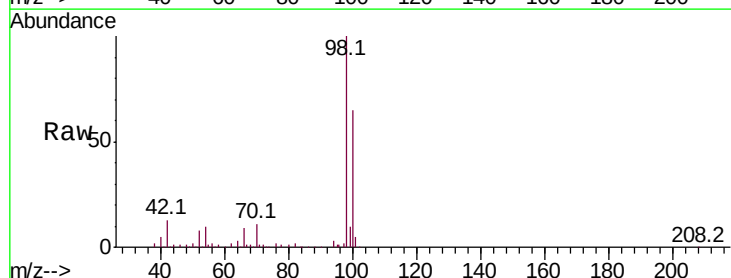


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

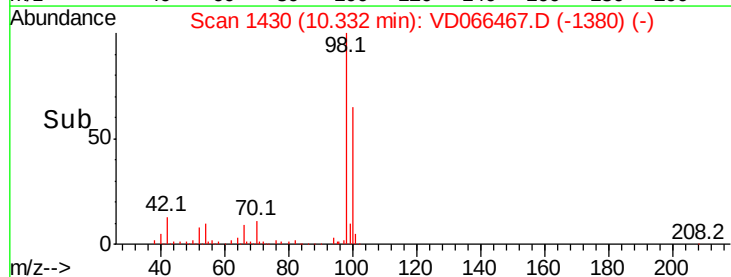
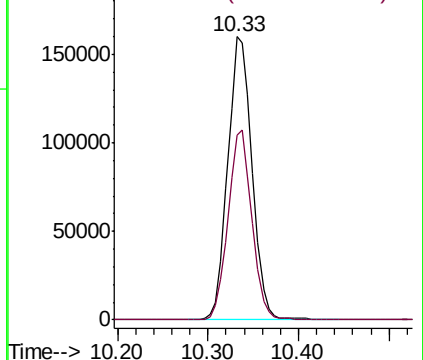


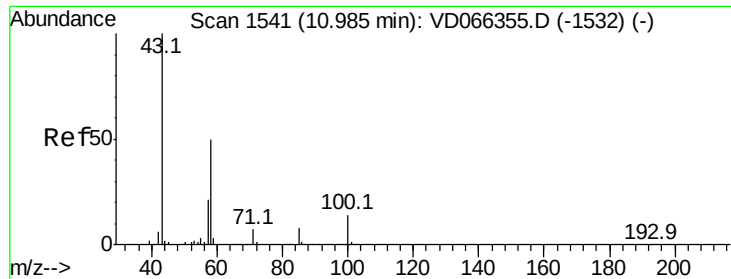
#50
Toluene-d8
Concen: 50.995 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

Tgt Ion: 98 Resp: 298101
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#59

2-Hexanone

Concen: 1.617 ug/l

RT: 10.86 min Scan# 1519

Delta R.T. -0.13 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

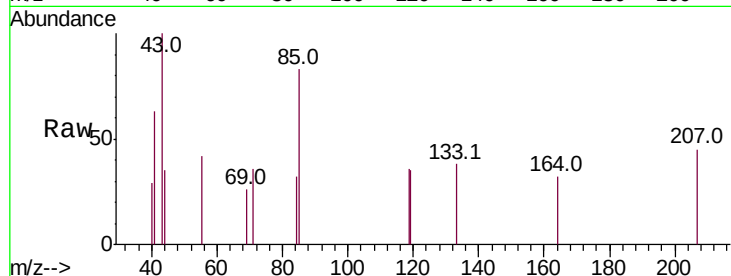
789UMR-TP11-2430-01

Tot Ion: 43 Resp: 878

Ion Ratio Lower Upper

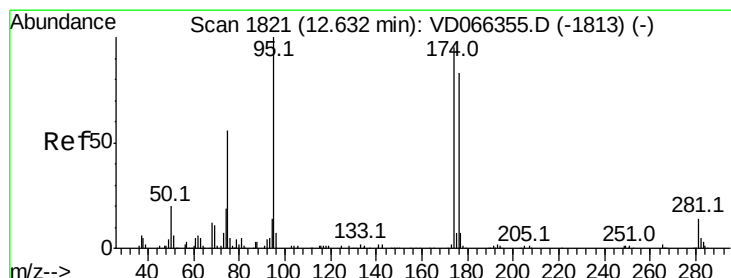
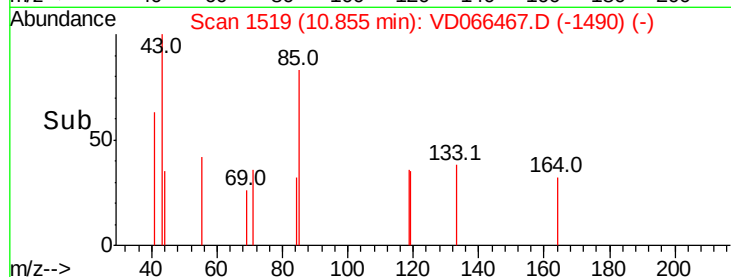
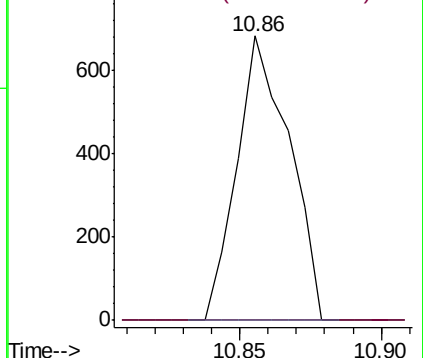
43 100

58 0.0 26.3 78.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.941 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

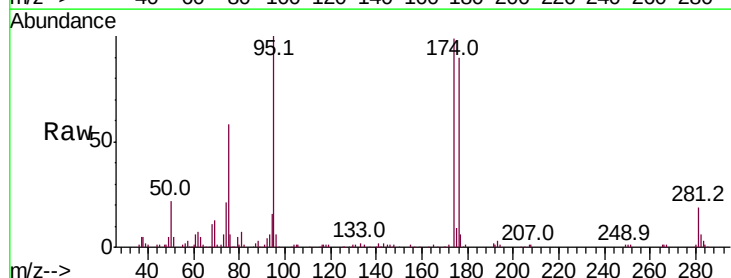
Tgt Ion: 95 Resp: 105666

Ion Ratio Lower Upper

95 100

174 98.6 0.0 183.4

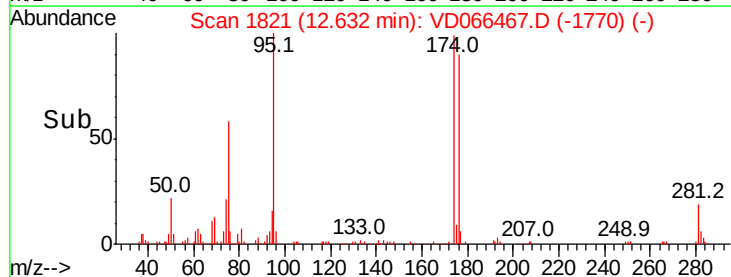
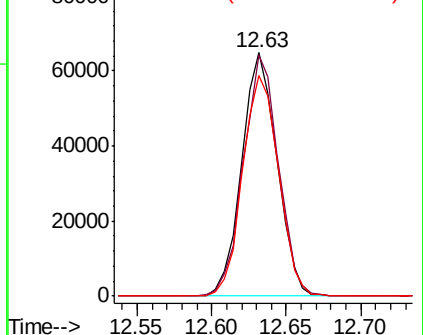
176 92.2 0.0 173.8

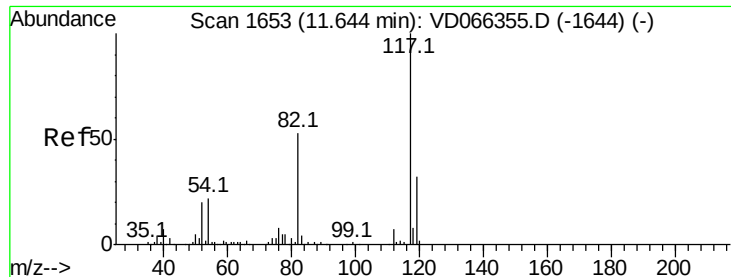


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

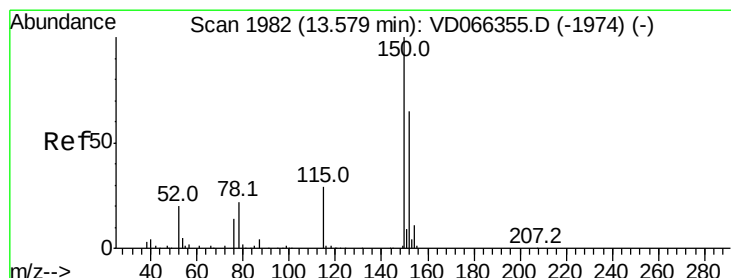
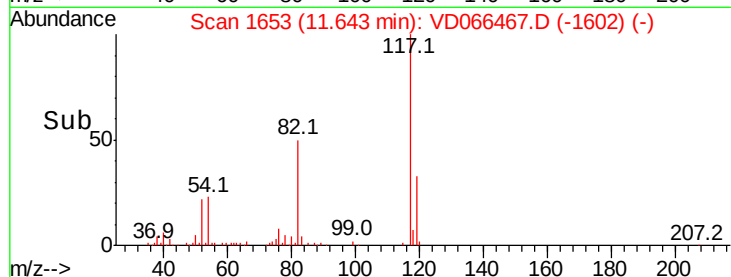
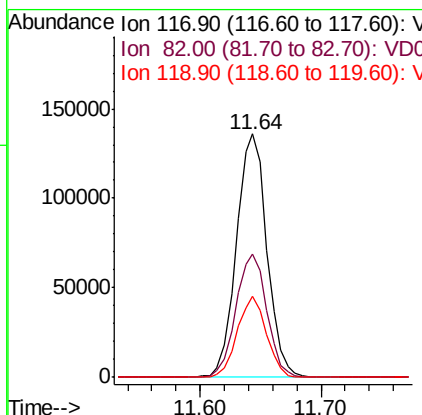
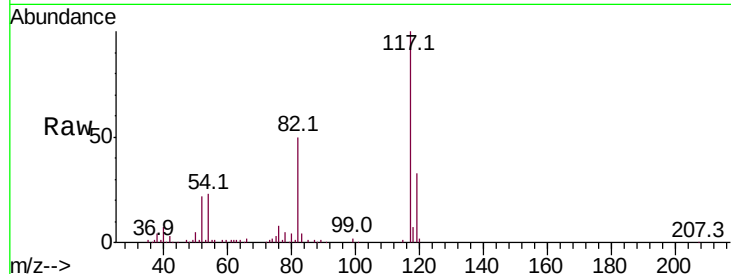




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

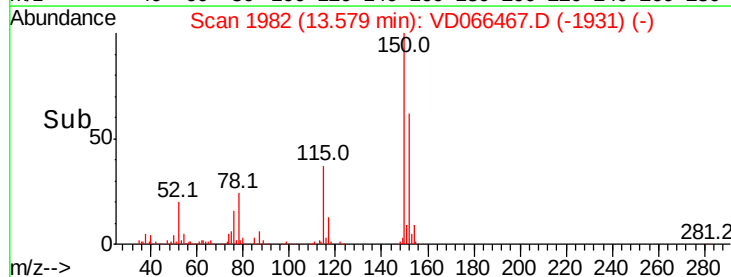
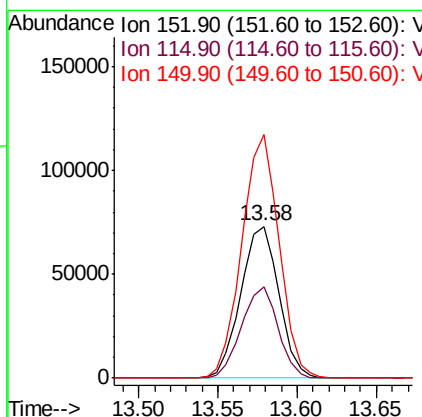
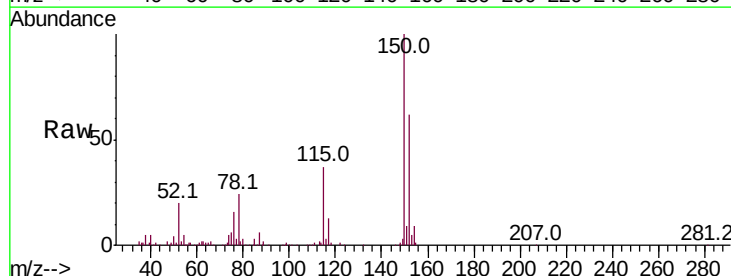
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-2430-01

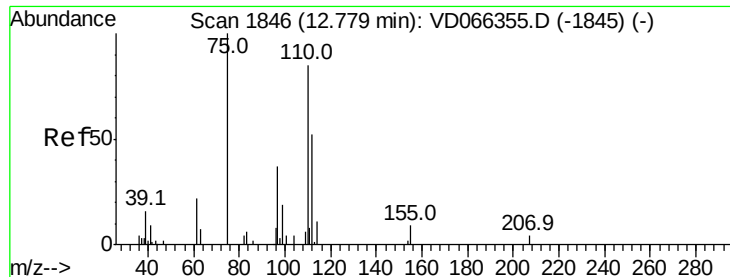
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	42.8	64.2
119	33.0	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066467.D
Acq: 28 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.3	85.0
150	156.7	0.0	343.2





#76

1,2,3-Trichloropropane

Concen: 74.077 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

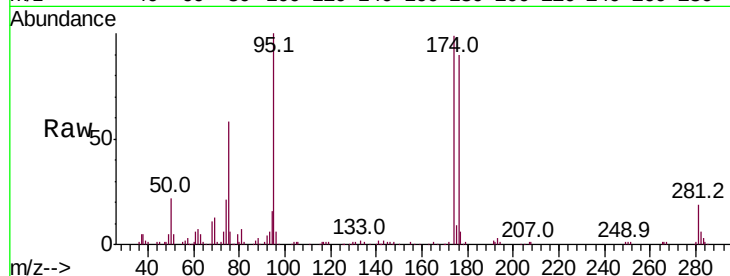
789UMR-TP11-2430-01

Tot Ion: 75 Resp: 63676

Ion Ratio Lower Upper

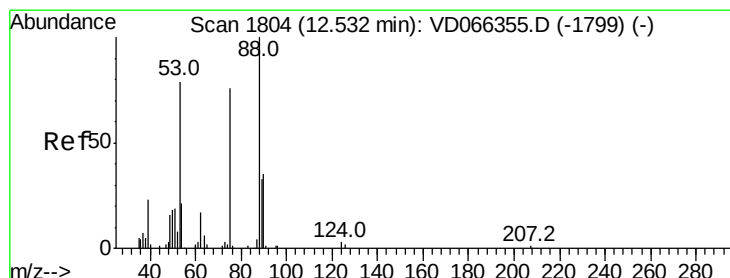
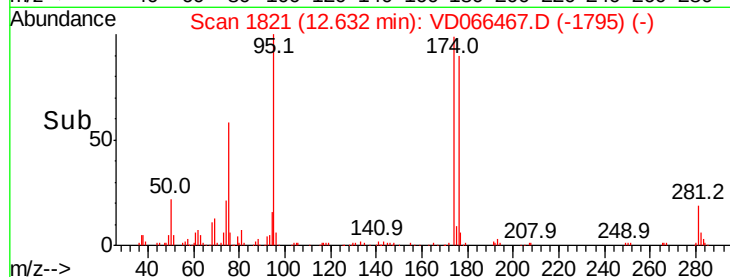
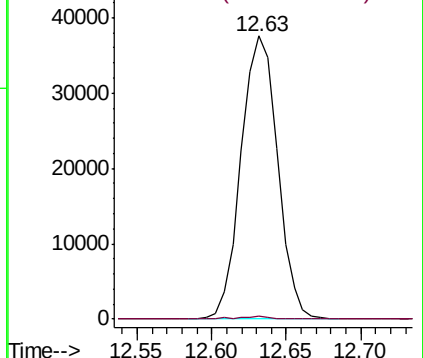
75 100

77 0.7 182.9 548.9#



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: 157.242 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066467.D

Acq: 28 Aug 2020 18:35

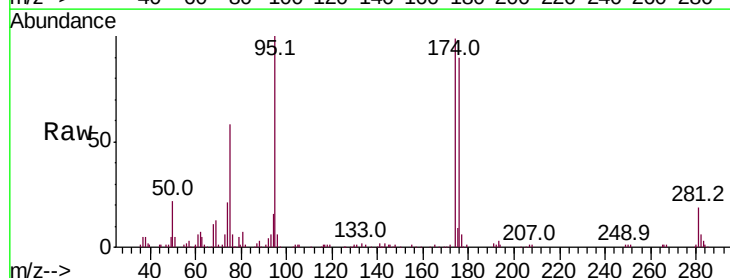
Tgt Ion: 75 Resp: 63676

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.1 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

