

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066447.D
 Acq On : 27 Aug 2020 20:02
 Operator : VA/SY
 Sample : L3823-07
 Misc : 6.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP05-3036-01

Quant Time: Aug 28 01:49:45 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	185755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	252390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	234637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	115488	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	100770	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	
35) Dibromofluoromethane	7.91	113	80991	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.34	98	298435	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.63	95	100375	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

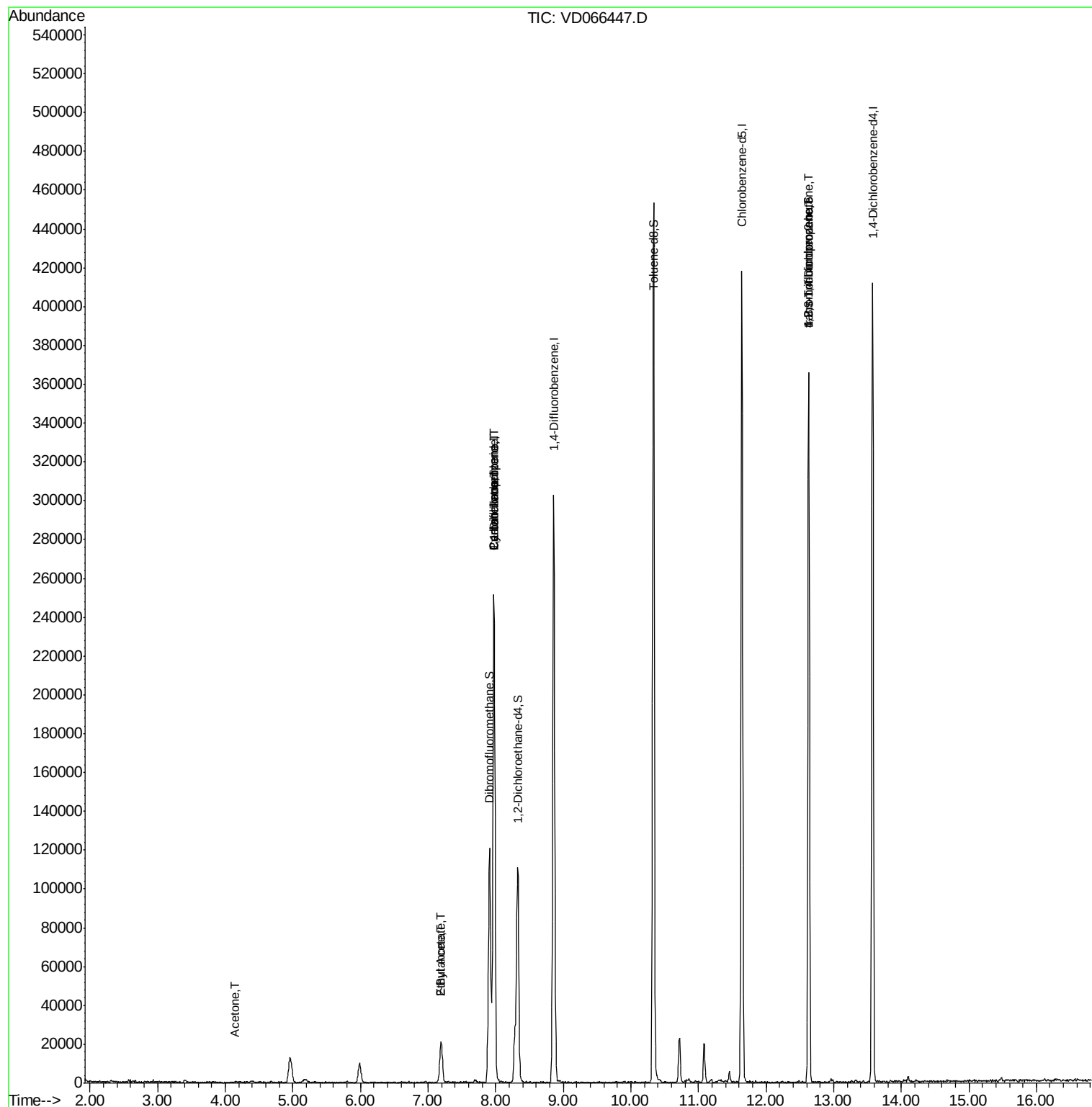
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	77	Below Cal	#	71
16) Acetone	4.15	43	605	1.843	ug/l #	46
20) Methylene Chloride	4.97	84	10775	Below Cal	#	83
25) 2-Butanone	7.18	43	1101	2.954	ug/l #	47
31) Cyclohexane	7.98	56	4317	1.707	ug/l #	17
36) 1,1-Dichloropropene	7.97	75	13051	5.667	ug/l #	49
37) Ethyl Acetate	7.18	43	1101	1.406	ug/l #	58
38) Carbon Tetrachloride	7.97	117	19186	6.395	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	60249	74.156	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	60249	157.409	ug/l #	6

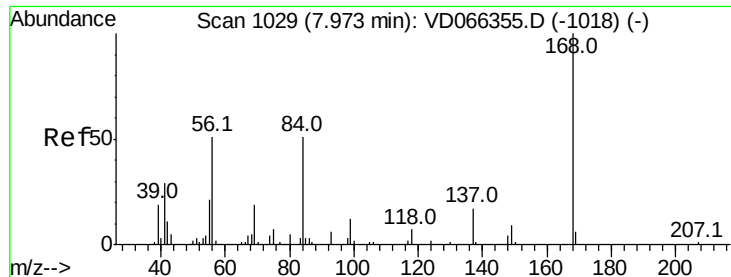
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066447.D

Acq: 27 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

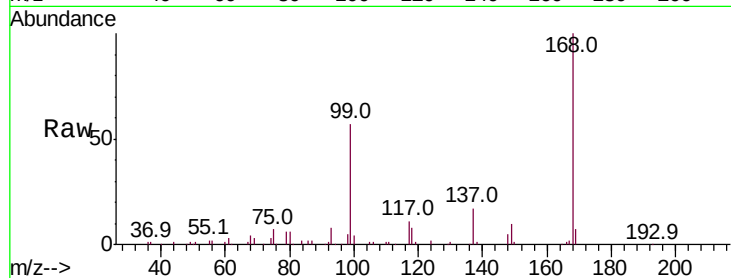
789UMR-TP05-3036-01

Tot Ion:168 Resp: 185755

Ion Ratio Lower Upper

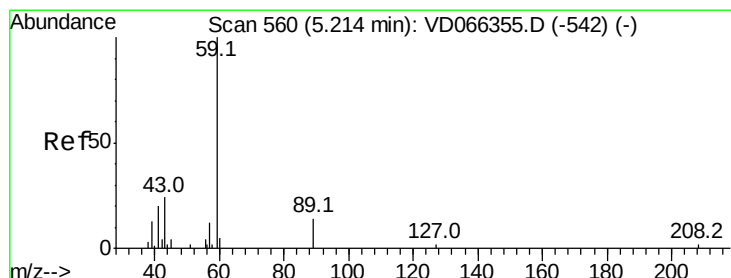
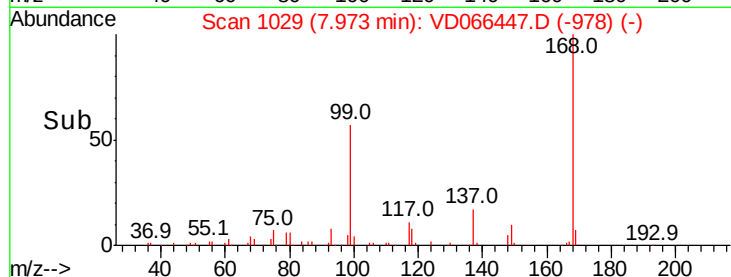
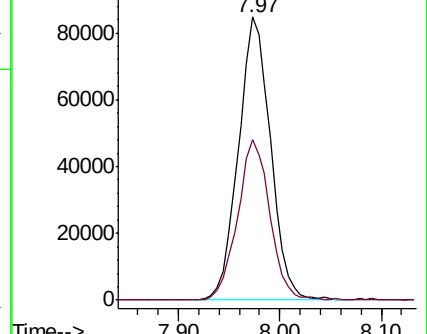
168 100

99 56.5 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: 5.24 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD066447.D

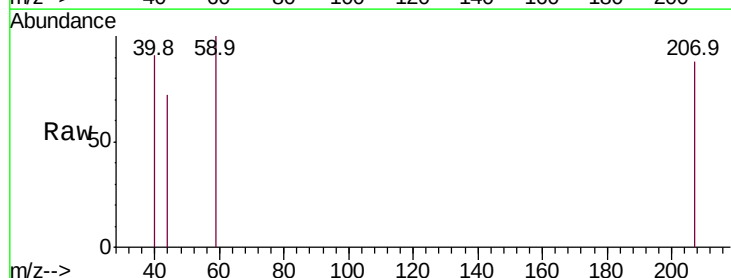
Acq: 27 Aug 2020 20:02

Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

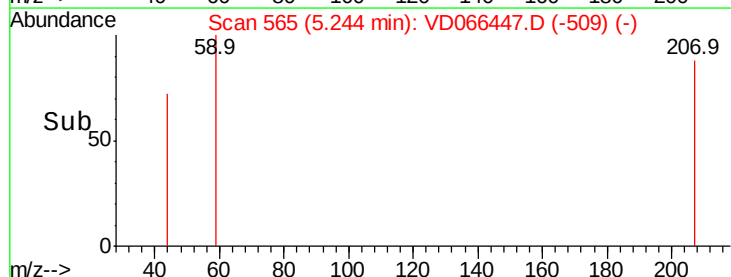
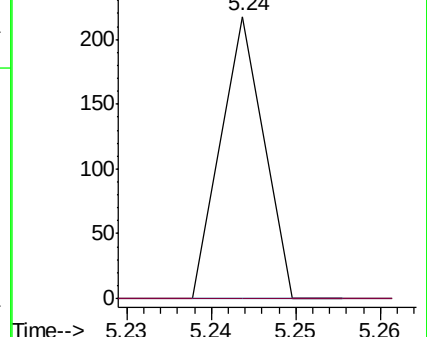
59 100

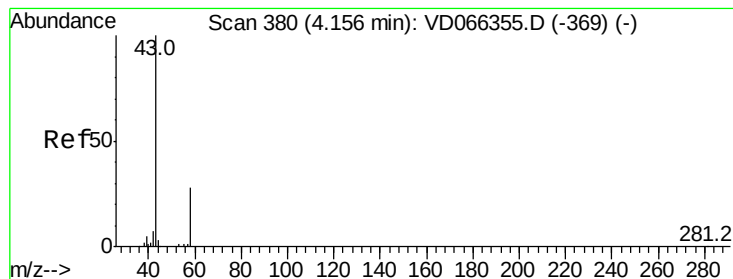
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.843 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066447.D

Acq: 27 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

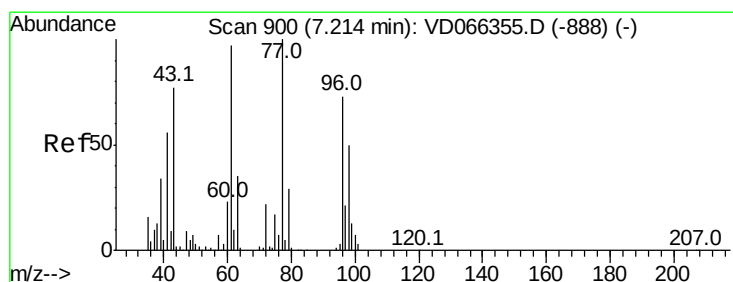
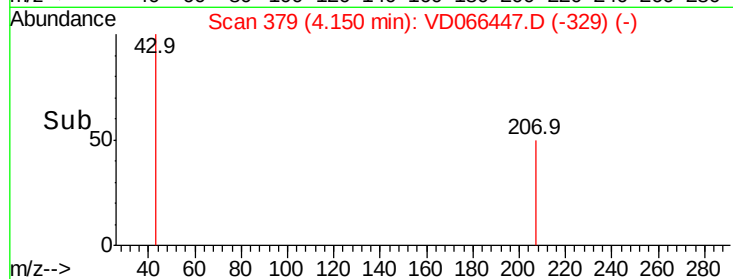
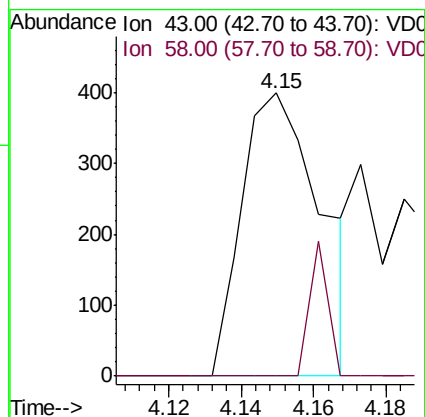
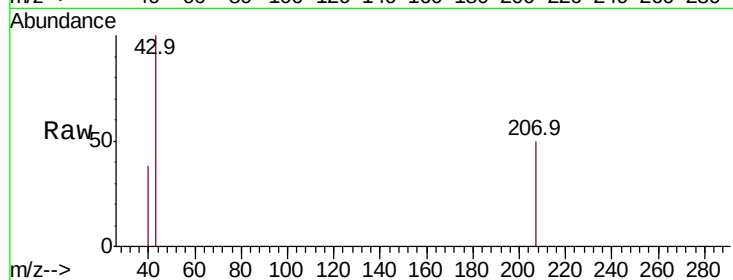
789UMR-TP05-3036-01

Tot Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#25

2-Butanone

Concen: 2.954 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.03 min

Lab File: VD066447.D

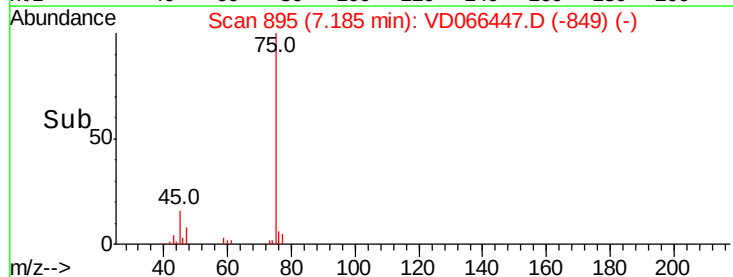
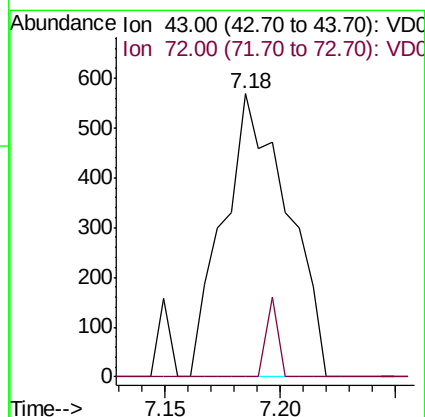
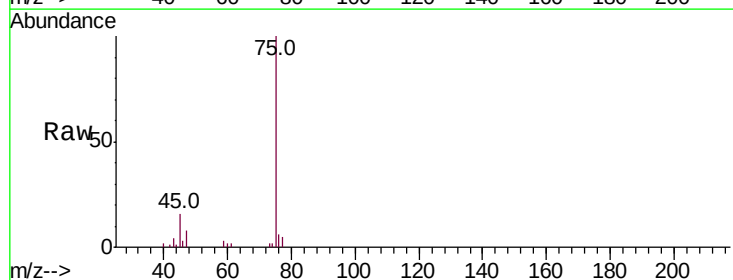
Acq: 27 Aug 2020 20:02

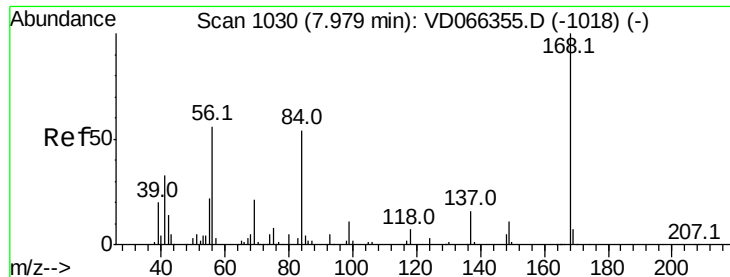
Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#

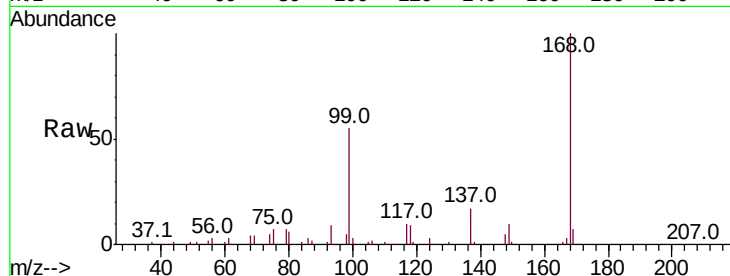




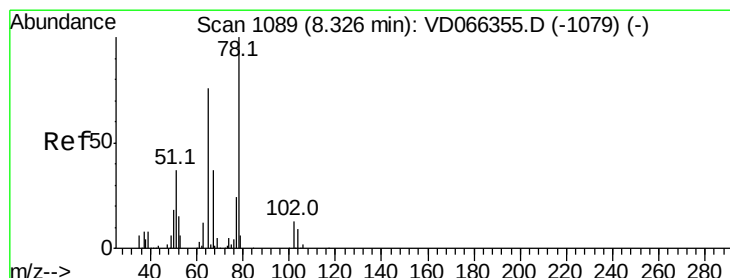
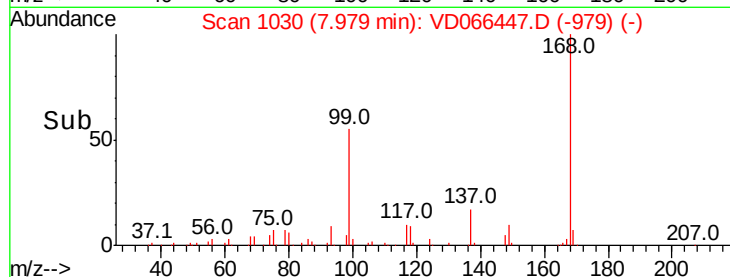
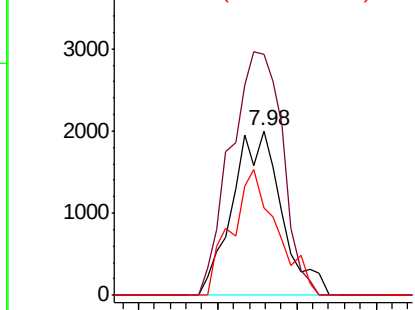
#31
Cyclohexane
Concen: 1.707 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066447.D
Acq: 27 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP05-3036-01

Tot Ion: 56 Resp: 4317
Ion Ratio Lower Upper
56 100
69 146.6 29.6 44.4#
84 53.4 76.6 115.0#

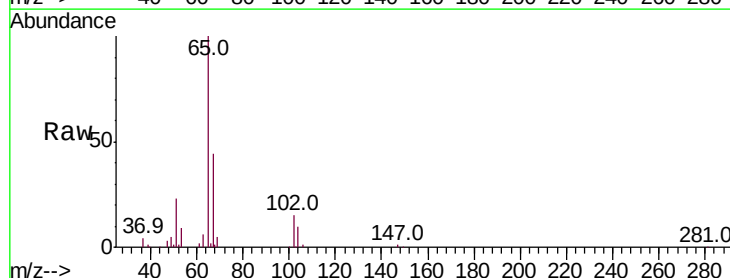


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

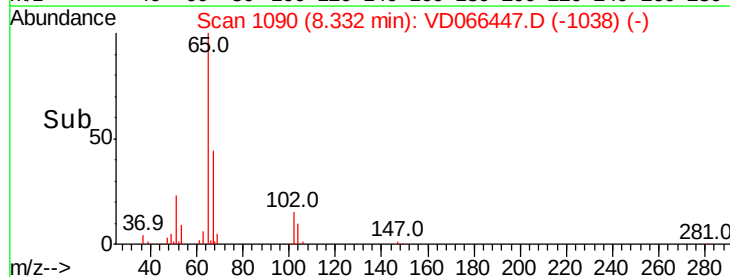
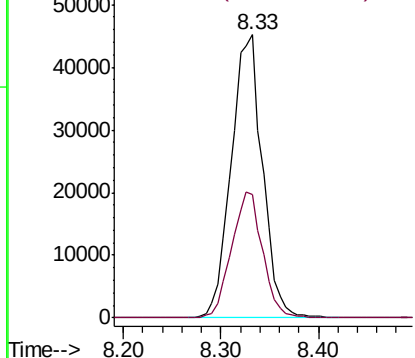


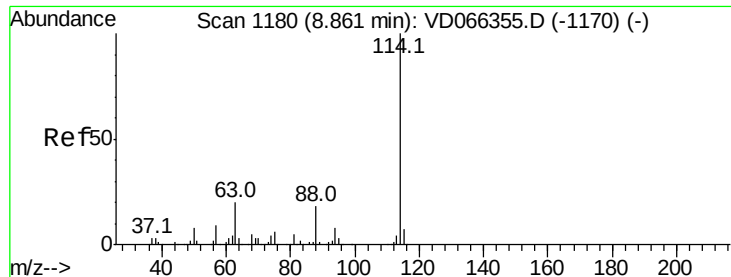
#33
1,2-Dichloroethane-d4
Concen: 55.334 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066447.D
Acq: 27 Aug 2020 20:02

Tgt Ion: 65 Resp: 100770
Ion Ratio Lower Upper
65 100
67 43.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

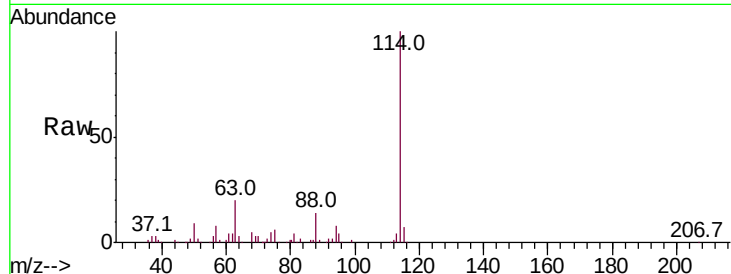




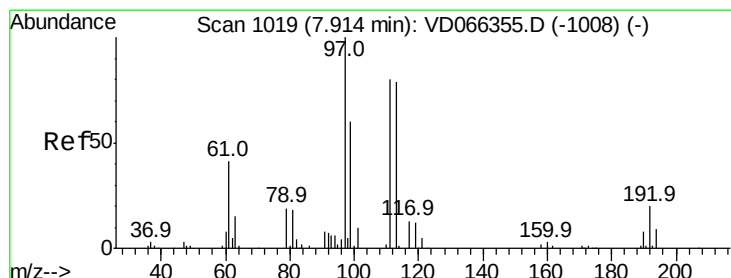
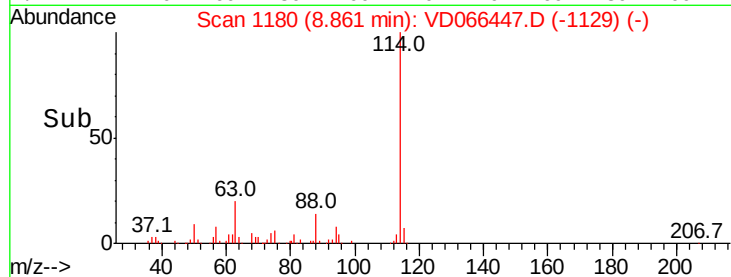
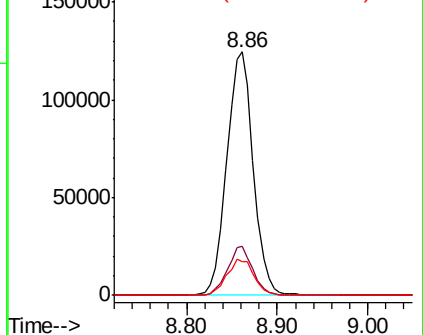
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066447.D
 Acq: 27 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP05-3036-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.0	0.0	35.4

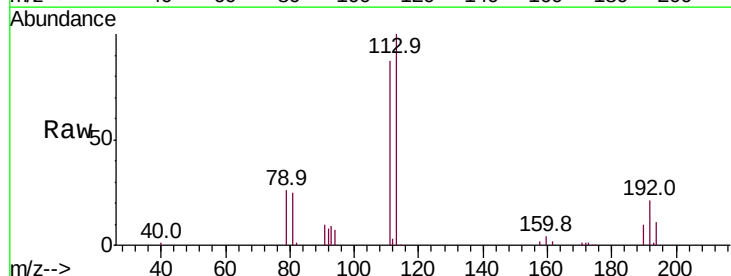


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

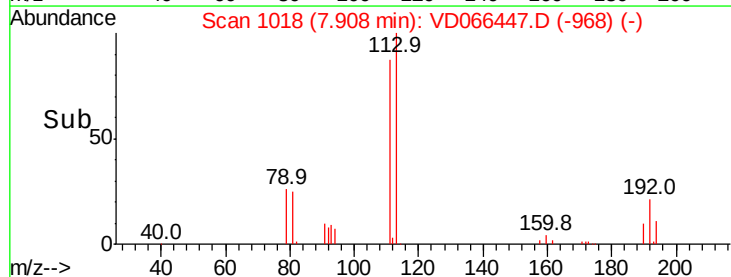
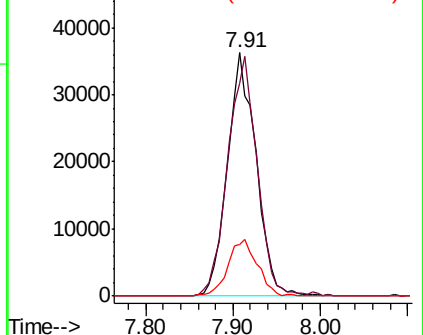


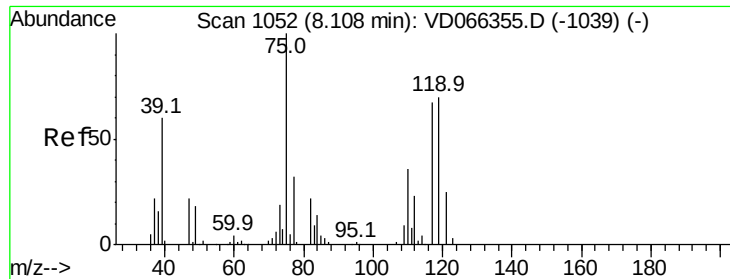
#35
 Dibromofluoromethane
 Concen: 51.318 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066447.D
 Acq: 27 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.3	120.5
192	23.7	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: 5.667 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066447.D

Acq: 27 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP05-3036-01

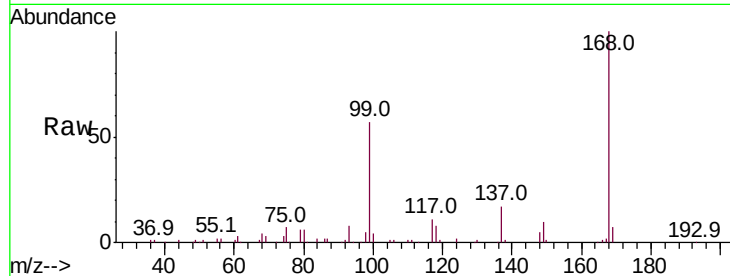
Tot Ion: 75 Resp: 13051

Ion Ratio Lower Upper

75 100

110 10.1 18.7 56.1#

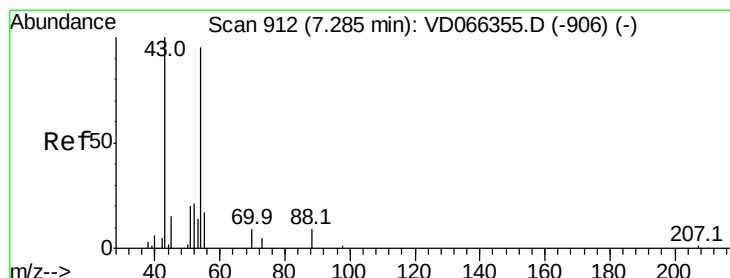
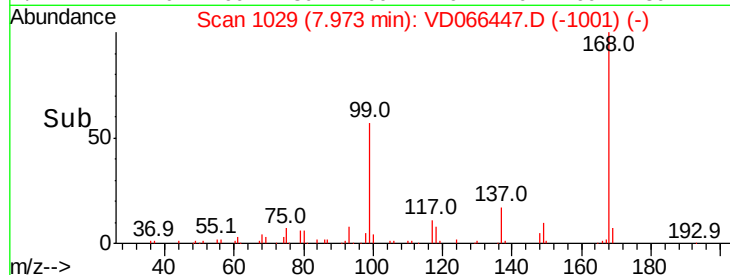
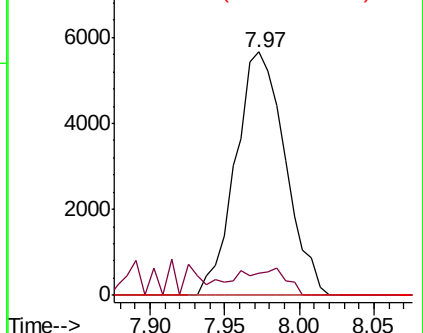
77 0.0 25.2 37.8#



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: 1.406 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.10 min

Lab File: VD066447.D

Acq: 27 Aug 2020 20:02

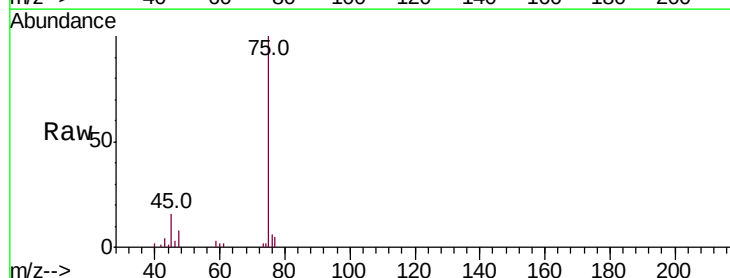
Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

61 38.1 13.3 19.9#

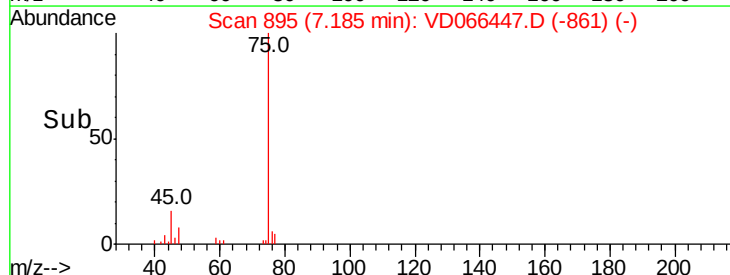
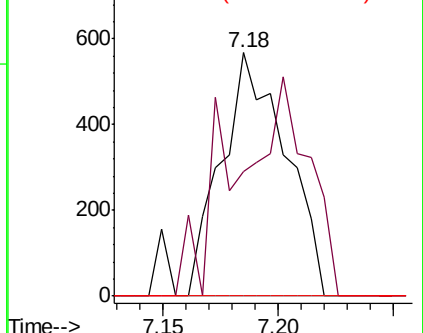
70 0.0 3.5 5.3#

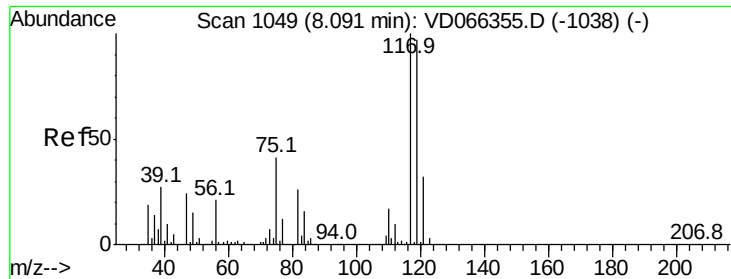


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.395 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066447.D

Acq: 27 Aug 2020 20:02

Instrument :

MSVOA_D

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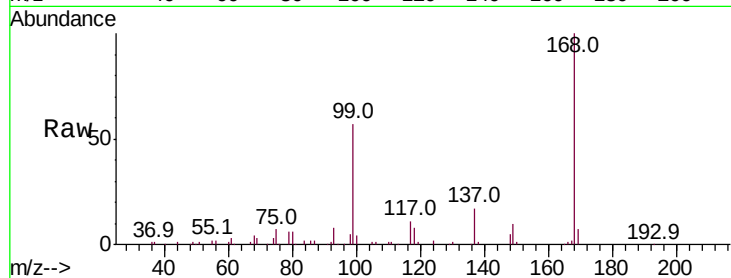
Tot Ion:117 Resp: 19186

Ion Ratio Lower Upper

117 100

119 6.7 77.2 115.8#

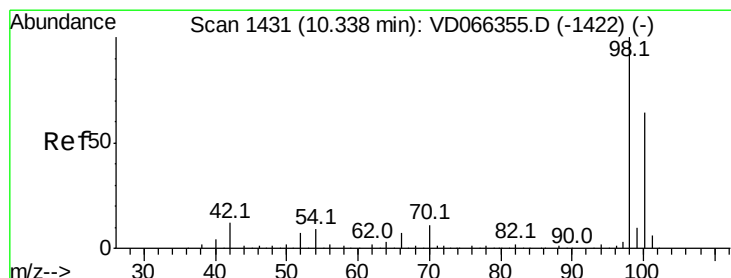
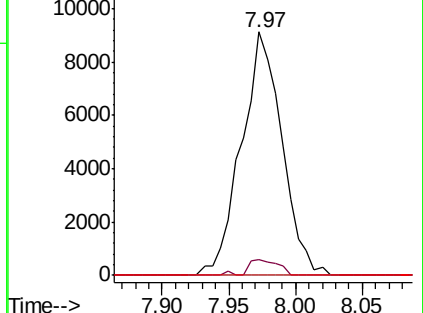
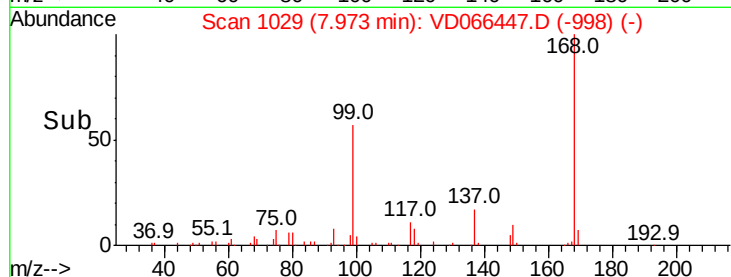
121 0.0 25.8 38.8#



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: 51.682 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066447.D

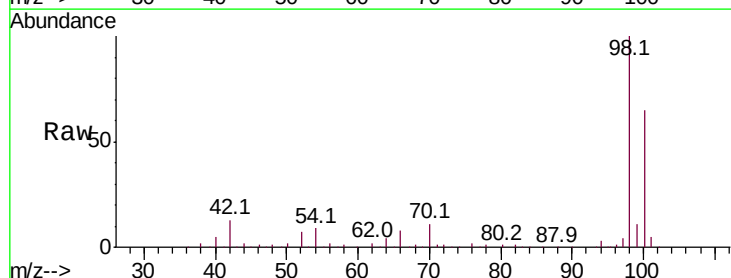
Acq: 27 Aug 2020 20:02

Tgt Ion: 98 Resp: 298435

Ion Ratio Lower Upper

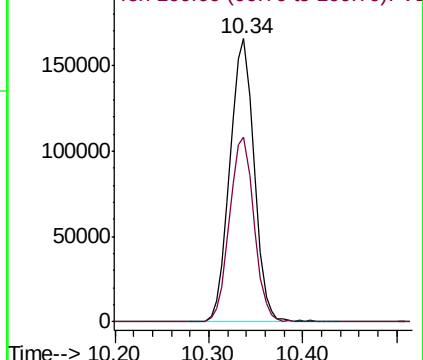
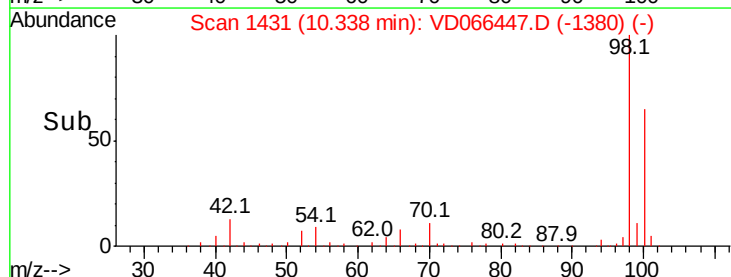
98 100

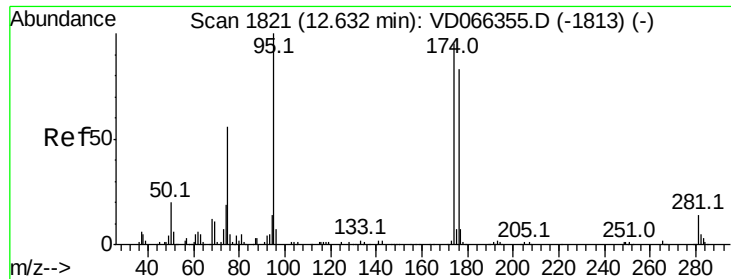
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

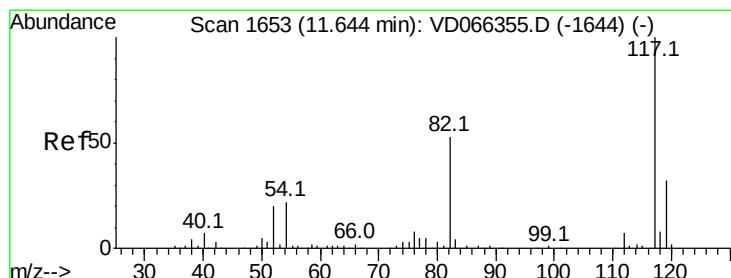
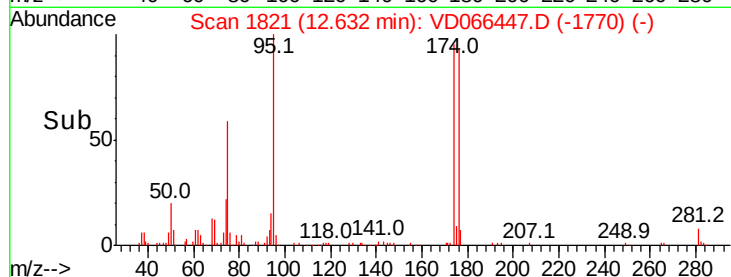
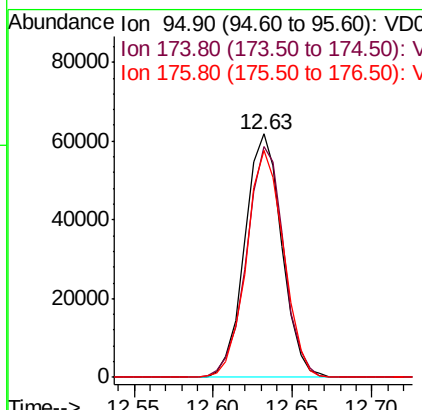
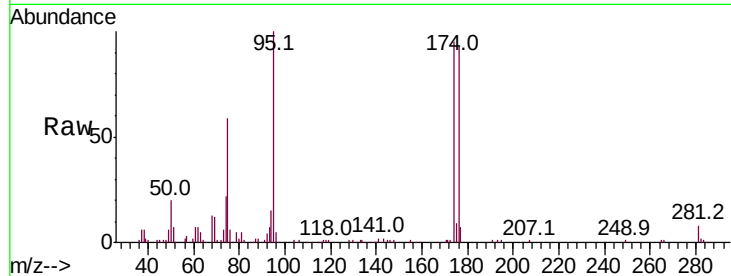




#62
4-Bromofluorobenzene
Concen: 48.987 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066447.D
Acq: 27 Aug 2020 20:02

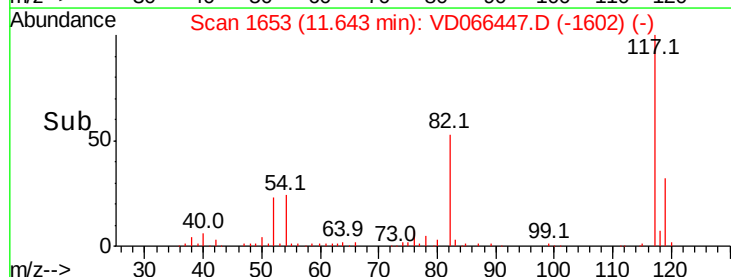
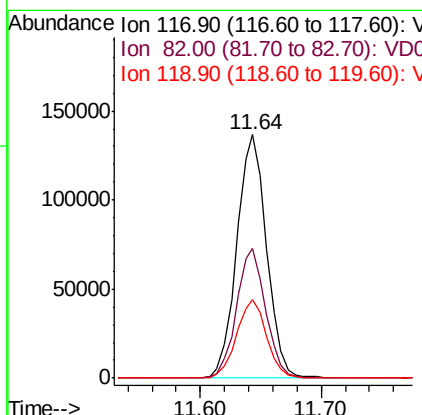
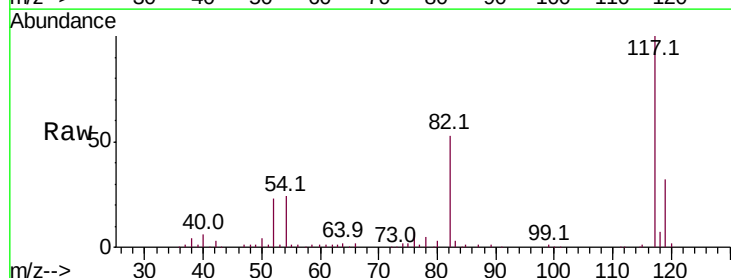
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789UMR-TP05-3036-01

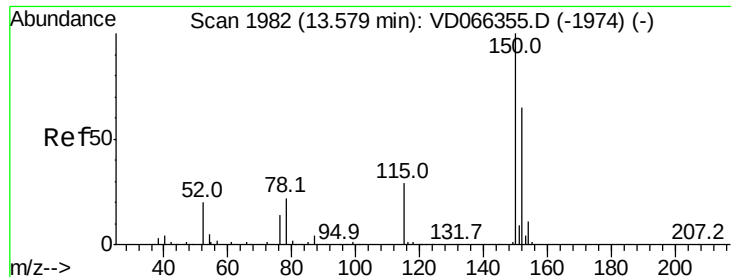
Tot Ion: 95 Resp: 100375
Ion Ratio Lower Upper
95 100
174 95.2 0.0 183.4
176 93.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066447.D
Acq: 27 Aug 2020 20:02

Tgt Ion: 117 Resp: 234637
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.1 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: VD066447.D

Acq: 27 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP05-3036-01

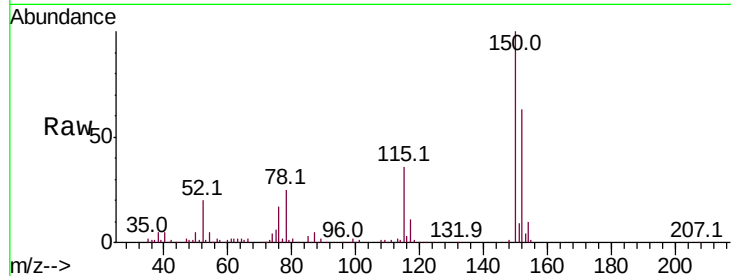
Tot Ion:152 Resp: 115488

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

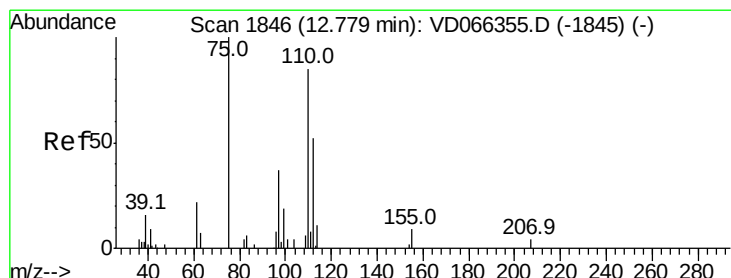
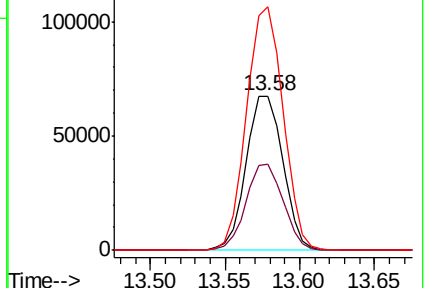
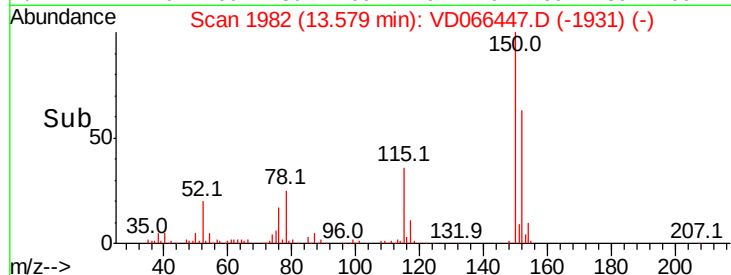
150 156.7 0.0 343.2



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: 74.156 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066447.D

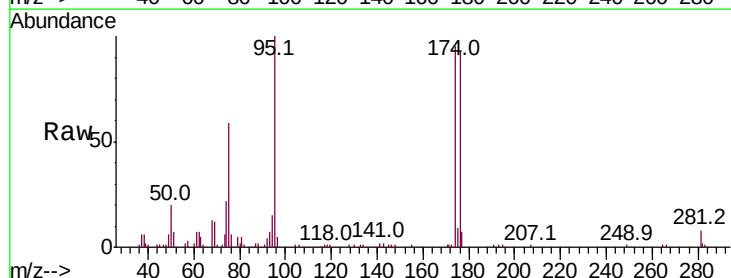
Acq: 27 Aug 2020 20:02

Tgt Ion: 75 Resp: 60249

Ion Ratio Lower Upper

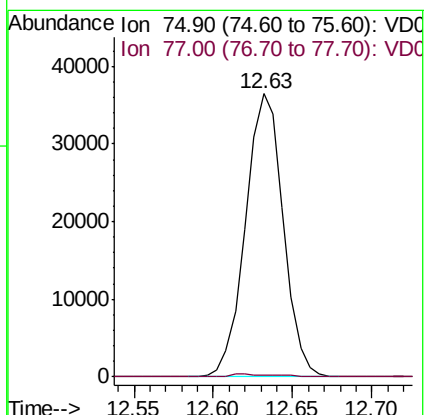
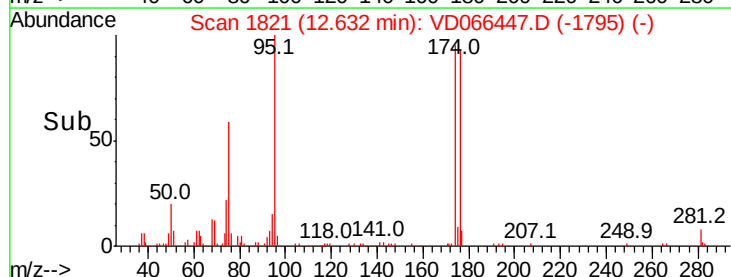
75 100

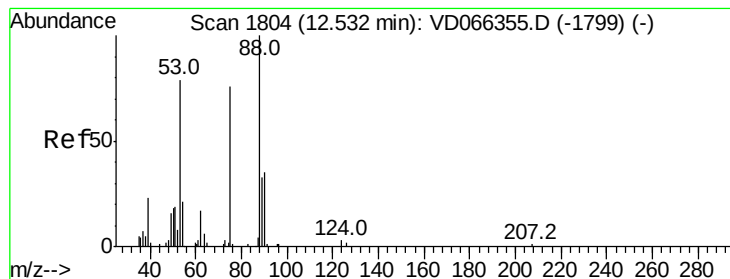
77 1.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 157.409 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066447.D

Acq: 27 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP05-3036-01

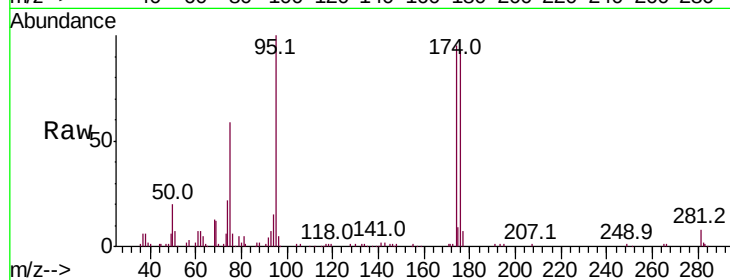
Tot Ion: 75 Resp: 60249

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

