

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066382.D
 Acq On : 24 Aug 2020 15:43
 Operator : VA/SY
 Sample : L3772-01
 Misc : 6.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 349-346

Quant Time: Aug 25 02:42:26 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	7.98	168	237630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	375731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	354982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	185385	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	127714	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.91	113	120472	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.34	98	443419	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.63	95	162670	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	

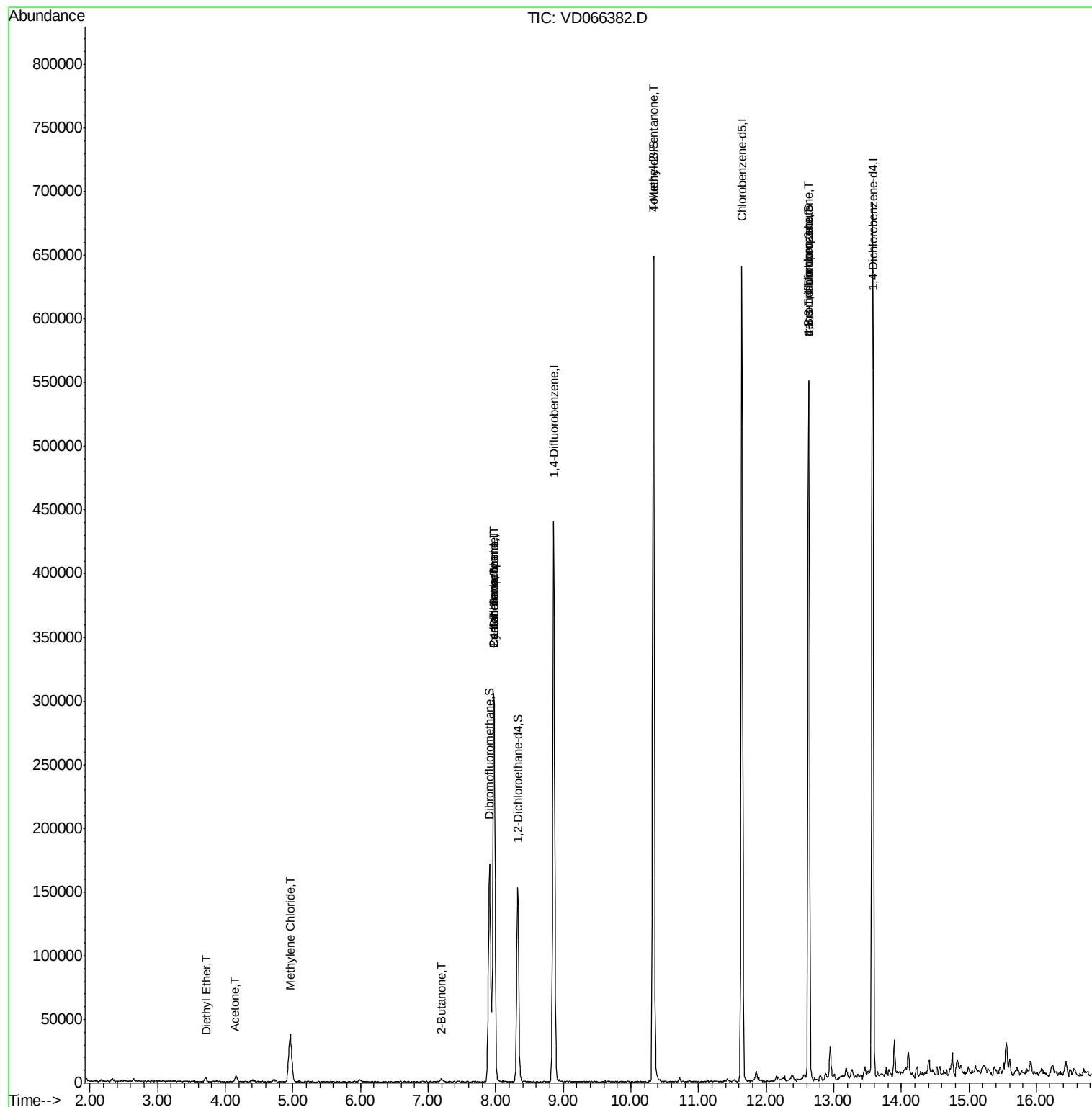
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.72	74	1725	1.841	ug/l	76
11) Tert butyl alcohol	5.23	59	353	Below Cal	#	71
16) Acetone	4.15	43	8241	19.621	ug/l #	89
20) Methylene Chloride	4.96	84	29160	7.626	ug/l #	93
25) 2-Butanone	7.20	43	508	1.065	ug/l #	47
31) Cyclohexane	7.97	56	4412	1.364	ug/l #	40
36) 1,1-Dichloropropene	7.97	75	16396	4.783	ug/l #	51
38) Carbon Tetrachloride	7.97	117	23046	5.160	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	2031	1.794	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	91281	69.990	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	91281	148.567	ug/l #	6

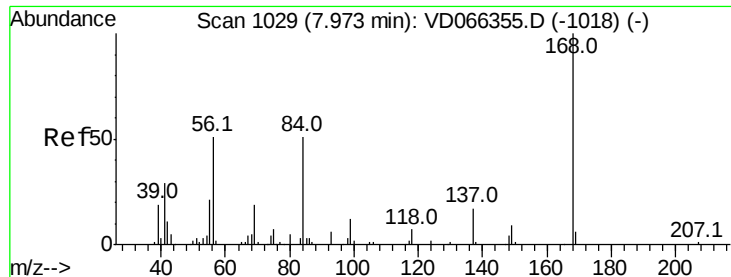
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082420\
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Quant Time: Aug 25 02:42:26 2020
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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066382.D

Acq: 24 Aug 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

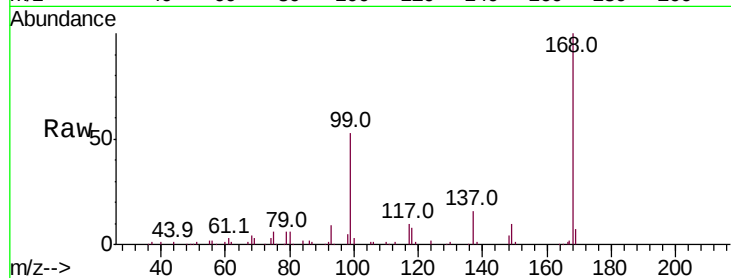
349-346

Tot Ion:168 Resp: 237630

Ion Ratio Lower Upper

168 100

99 52.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

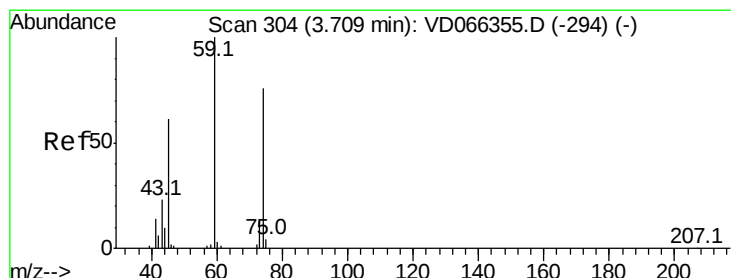
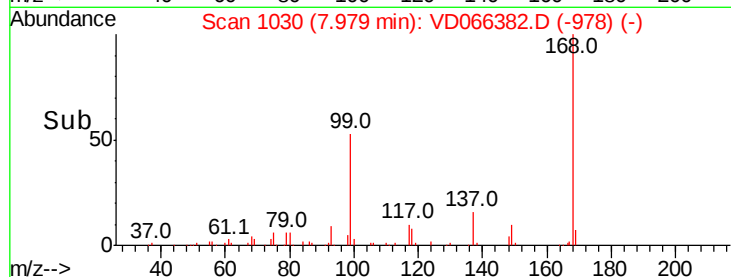
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.841 ug/l

RT: 3.72 min Scan# 306

Delta R.T. 0.01 min

Lab File: VD066382.D

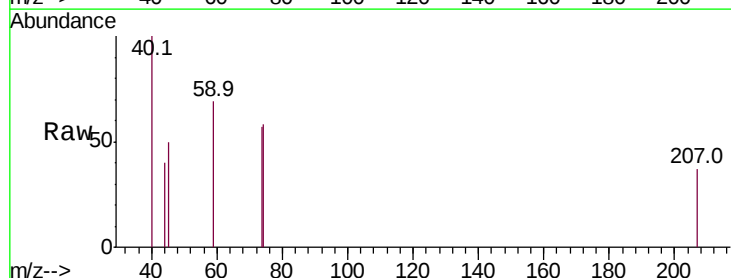
Acq: 24 Aug 2020 15:43

Tgt Ion: 74 Resp: 1725

Ion Ratio Lower Upper

74 100

45 63.4 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.72

800

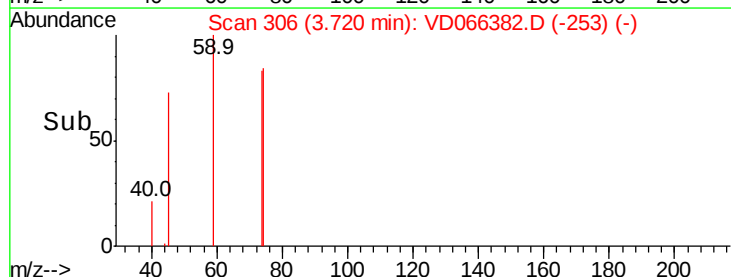
600

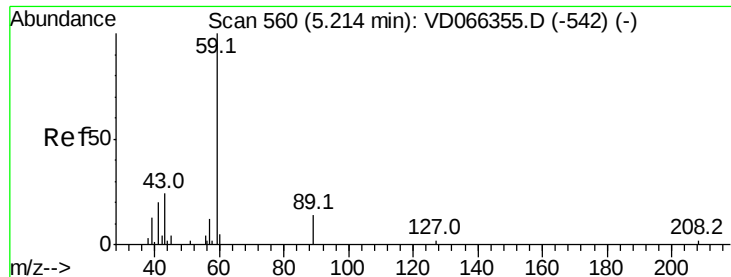
400

200

0

Time-->



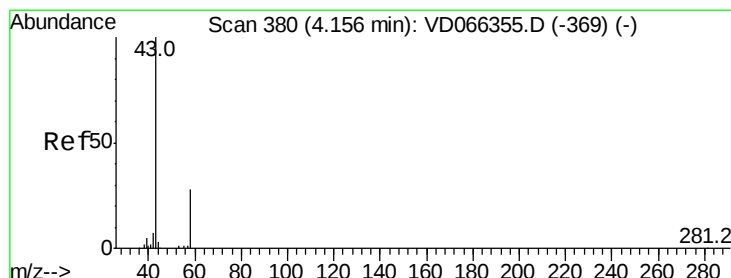
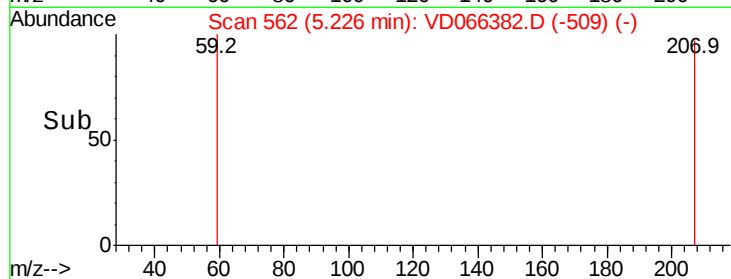
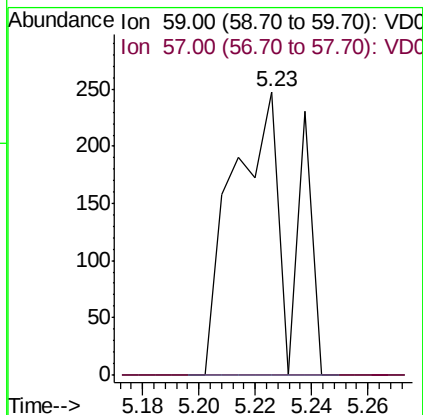
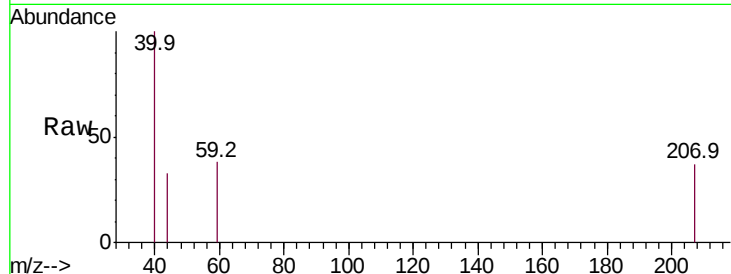


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066382.D
 Acq: 24 Aug 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleID :
 349-346

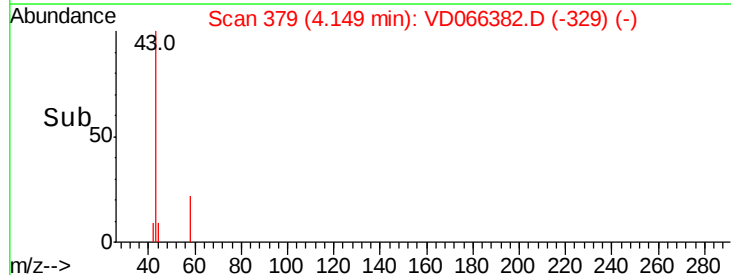
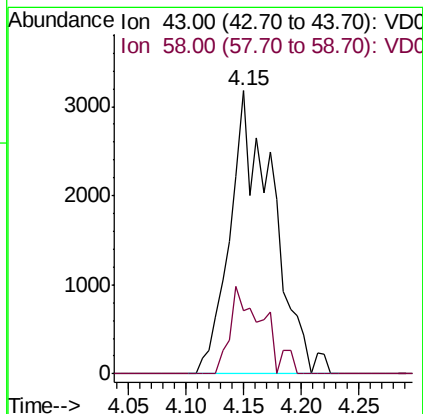
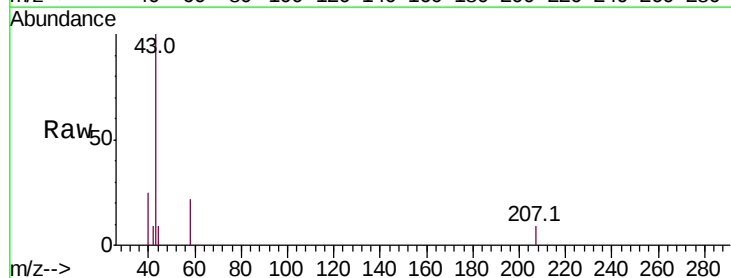
Tot Ion: 59 Resp: 353
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

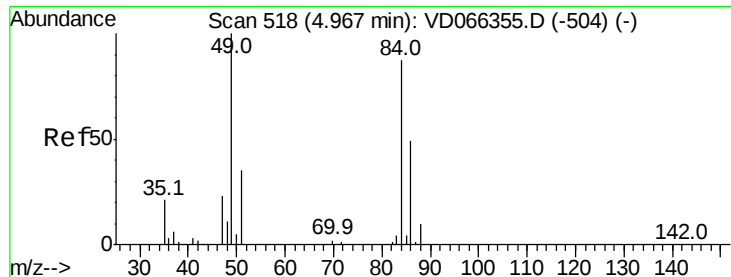


#16

Acetone
 Concen: 19.621 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066382.D
 Acq: 24 Aug 2020 15:43

Tgt Ion: 43 Resp: 8241
 Ion Ratio Lower Upper
 43 100
 58 22.5 22.7 34.1#

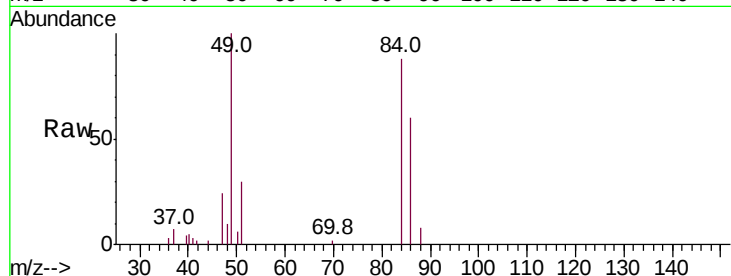




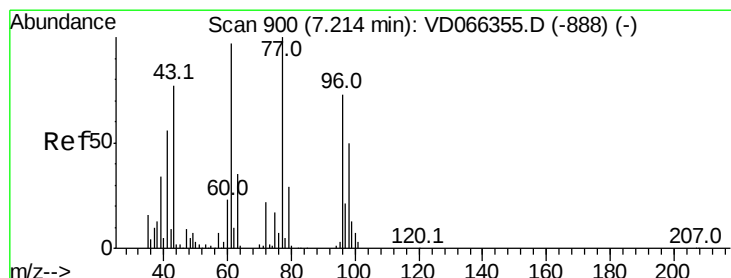
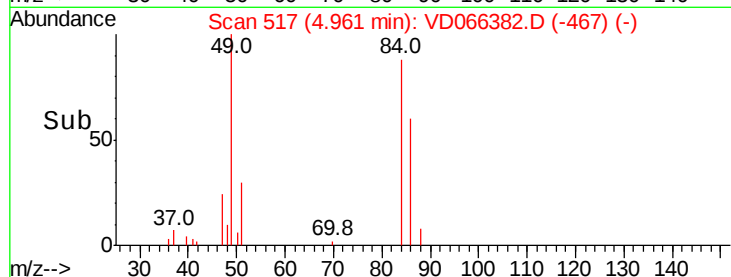
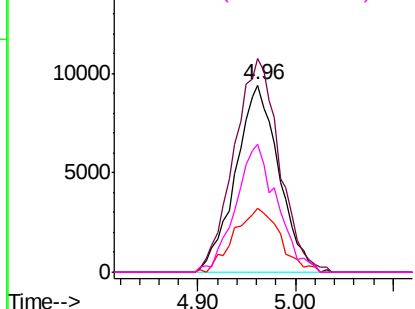
#20
Methylene Chloride
Concen: 7.626 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
349-346

Tot Ion: 84 Resp: 29160
Ion Ratio Lower Upper
84 100
49 114.0 92.5 138.7
51 34.3 32.5 48.7
86 68.7 45.0 67.6#

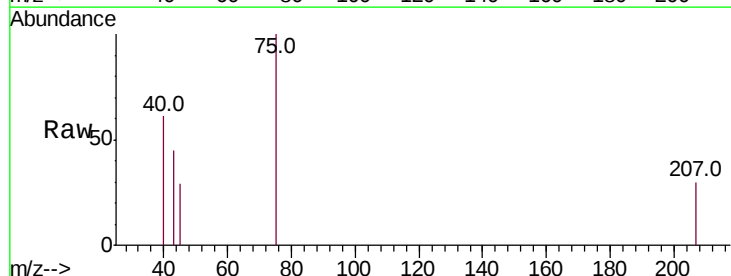


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

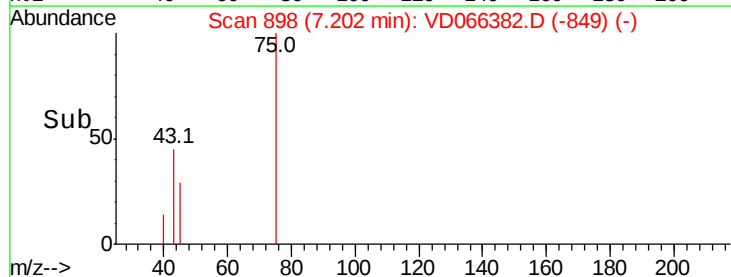
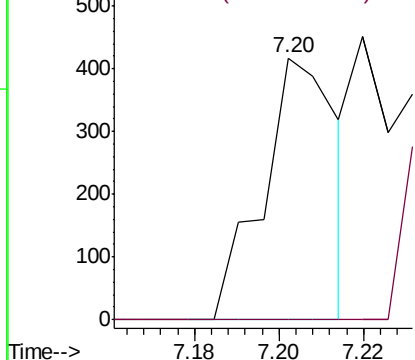


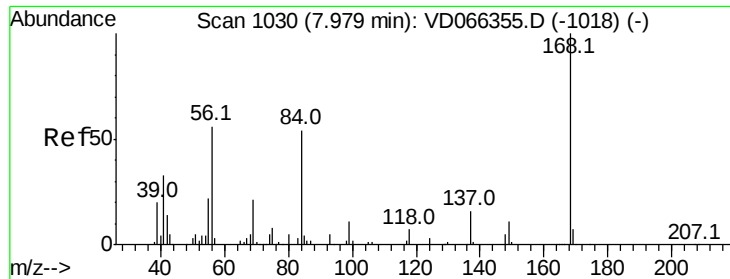
#25
2-Butanone
Concen: 1.065 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

Tgt Ion: 43 Resp: 508
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

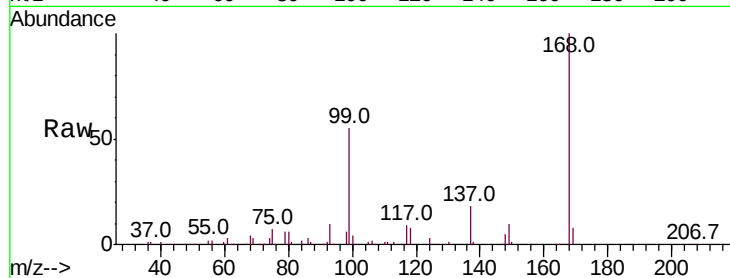




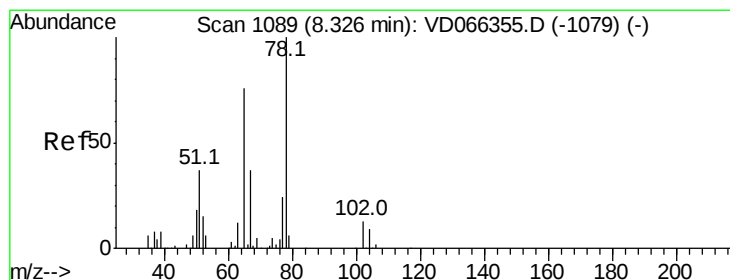
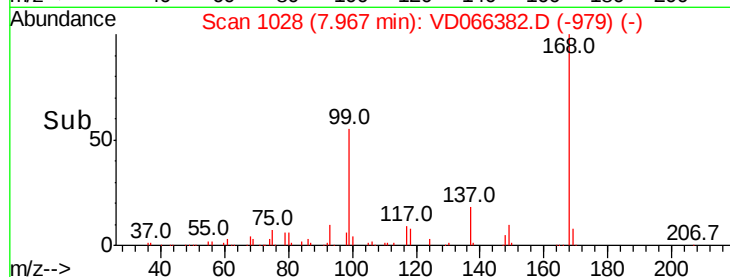
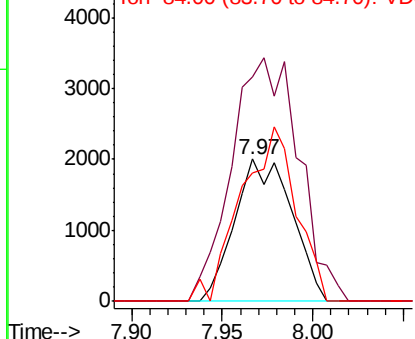
#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
349-346

Tot Ion: 56 Resp: 4412
Ion Ratio Lower Upper
56 100
69 158.0 29.6 44.4#
84 90.7 76.6 115.0

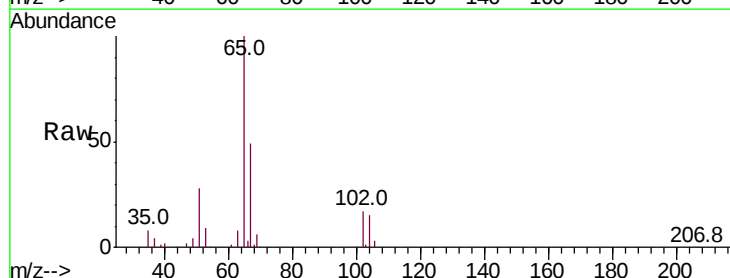


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

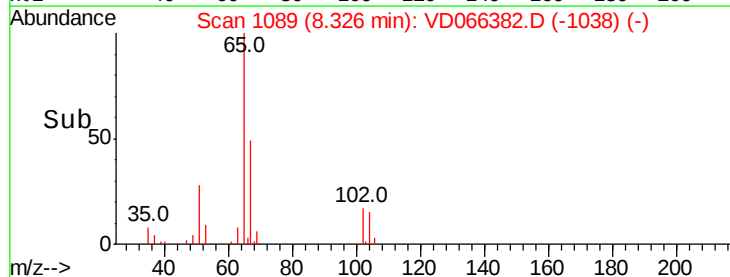
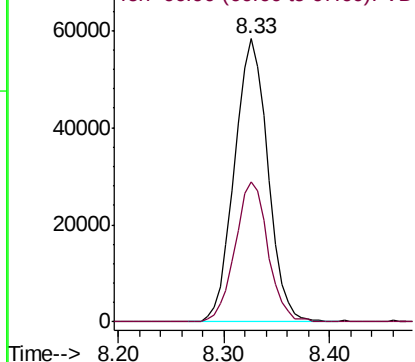


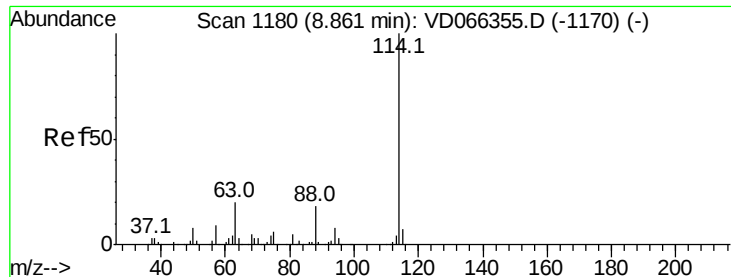
#33
1,2-Dichloroethane-d4
Concen: 54.820 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

Tgt Ion: 65 Resp: 127714
Ion Ratio Lower Upper
65 100
67 48.6 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: VD066382.D

Acq: 24 Aug 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

349-346

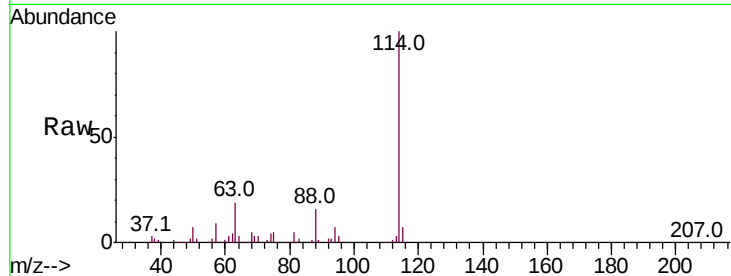
Tot Ion:114 Resp: 375731

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

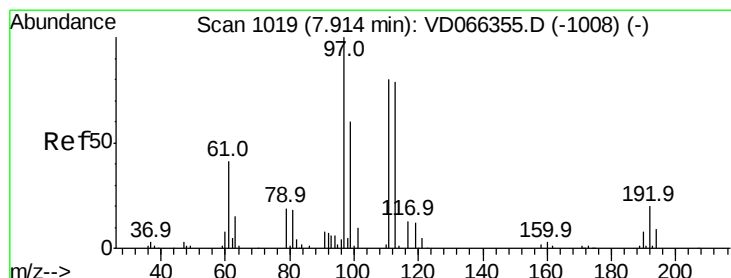
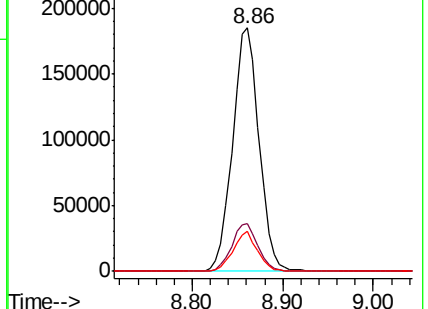
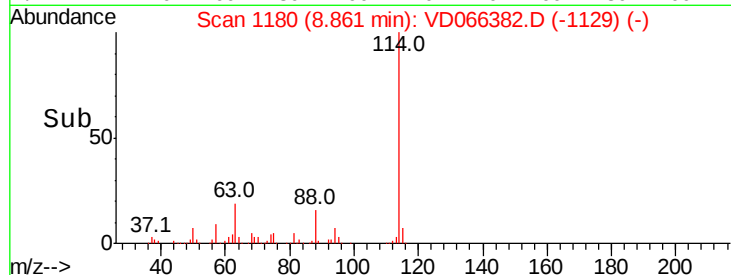
88 16.4 0.0 35.4



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: 51.276 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066382.D

Acq: 24 Aug 2020 15:43

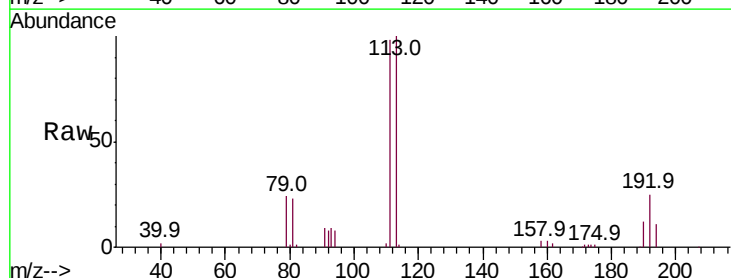
Tgt Ion:113 Resp: 120472

Ion Ratio Lower Upper

113 100

111 101.6 80.3 120.5

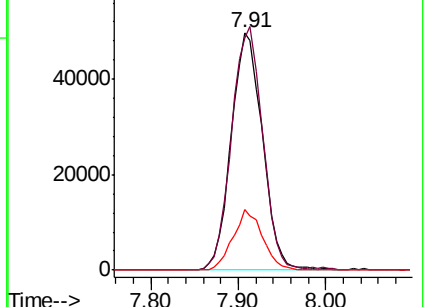
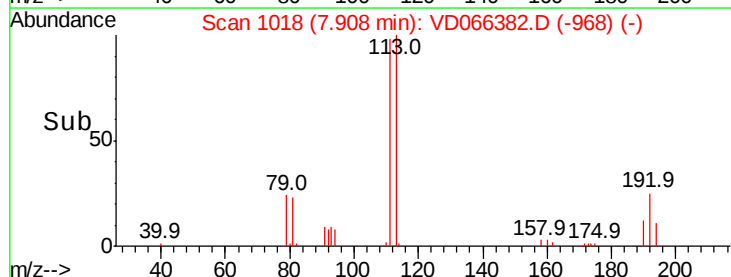
192 23.8 19.0 28.6

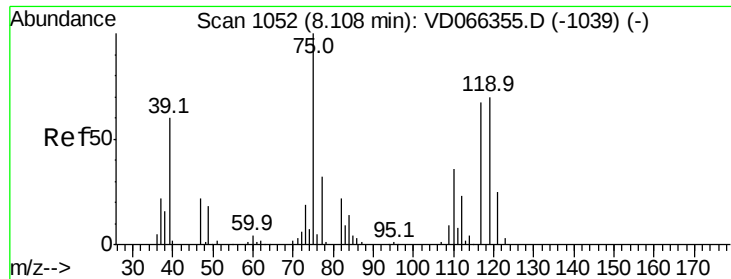


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

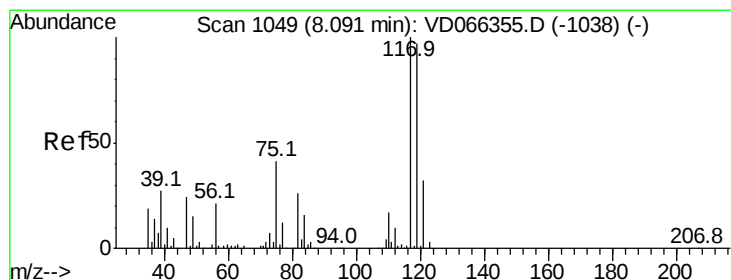
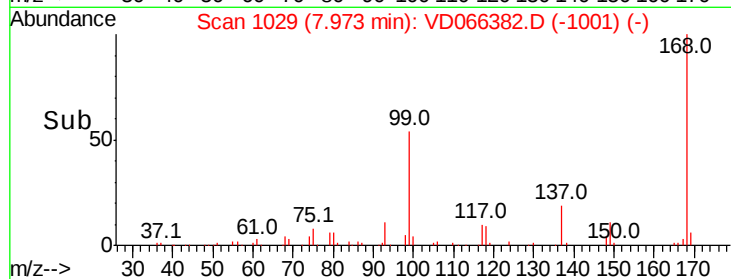
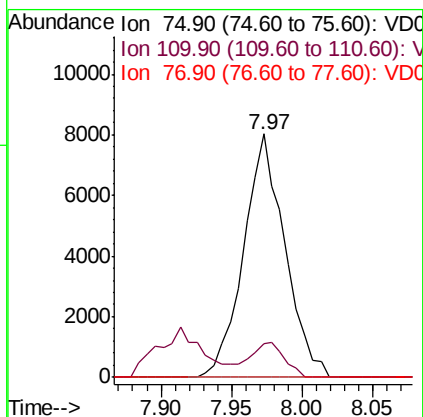
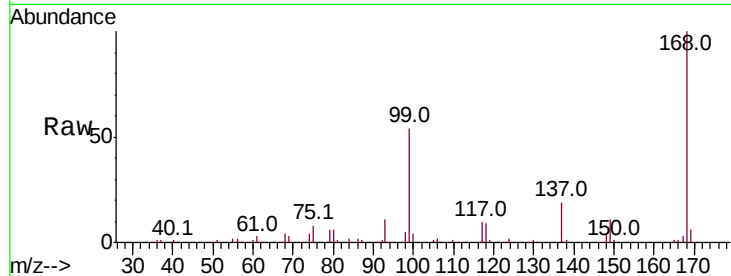




#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066382.D
 Acq: 24 Aug 2020 15:43

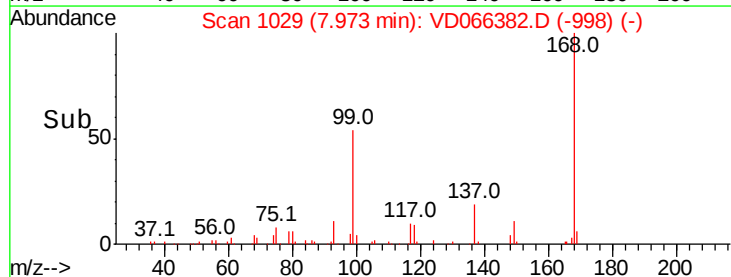
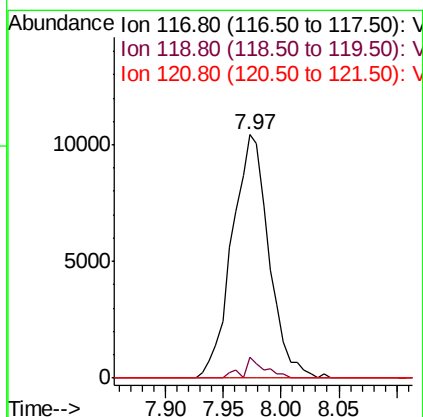
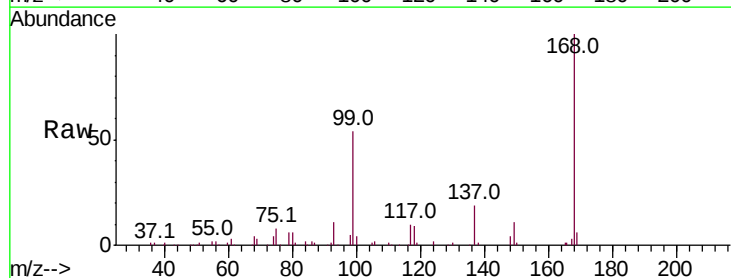
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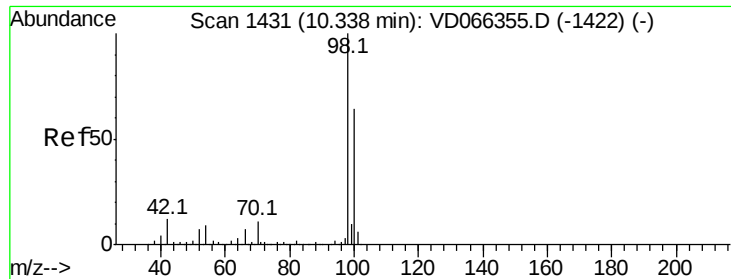
Tot Ion: 75 Resp: 16396
 Ion Ratio Lower Upper
 75 100
 110 12.4 18.7 56.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.160 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066382.D
 Acq: 24 Aug 2020 15:43

Tgt Ion: 117 Resp: 23046
 Ion Ratio Lower Upper
 117 100
 119 8.4 77.2 115.8#
 121 0.0 25.8 38.8#

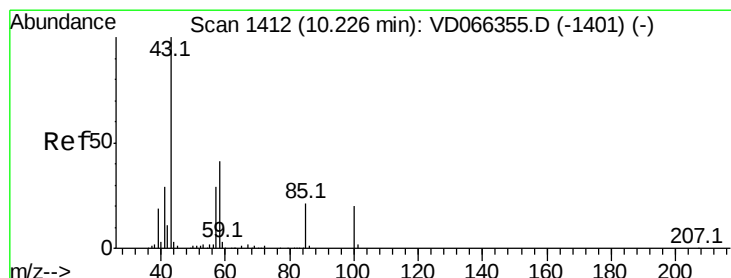
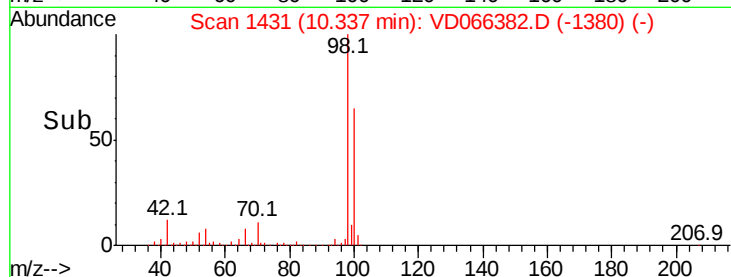
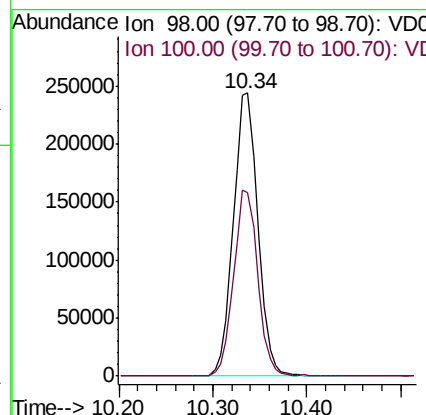
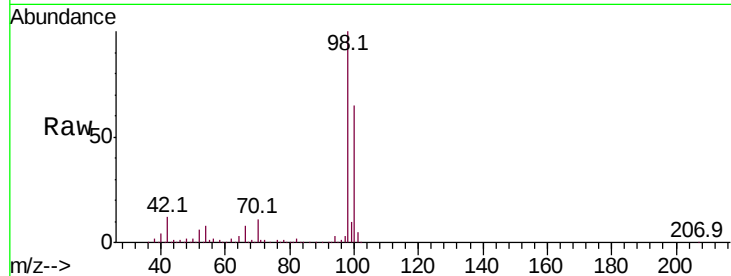




#50
Toluene-d8
Concen: 51.582 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

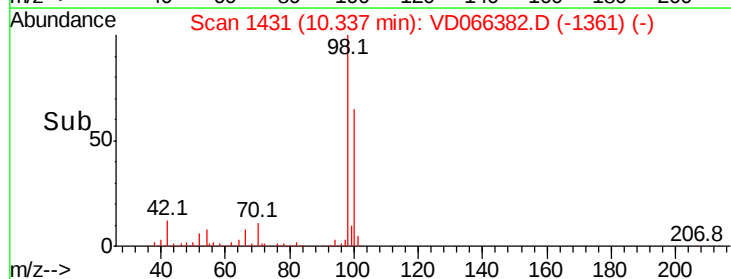
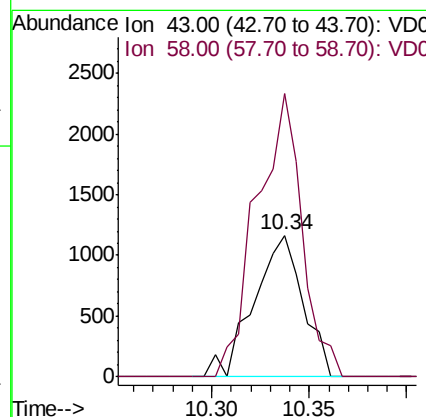
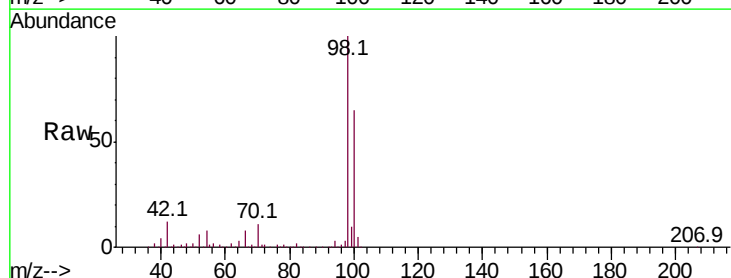
Instrument :
MSVOA_D
ClientSampled :
349-346

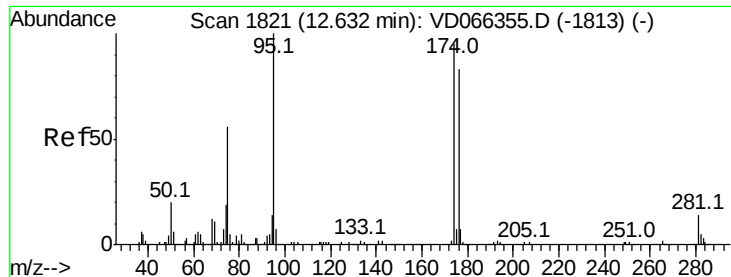
Tot Ion: 98 Resp: 443419
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.794 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
58 185.4 31.4 47.2#

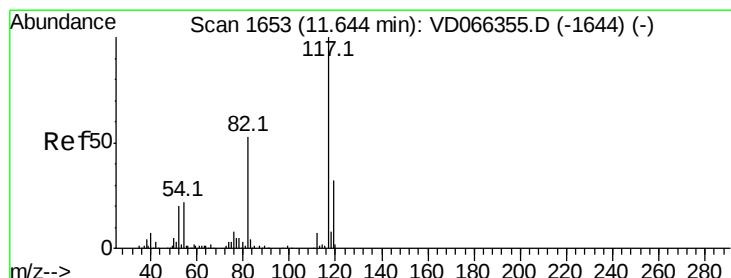
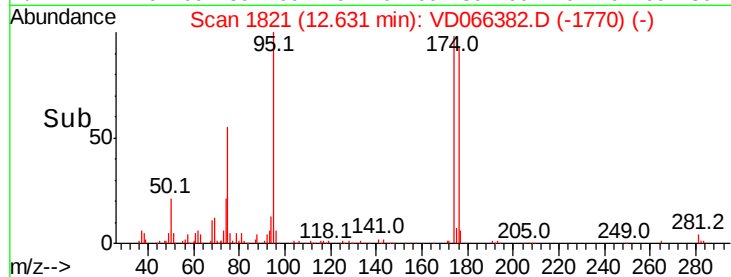
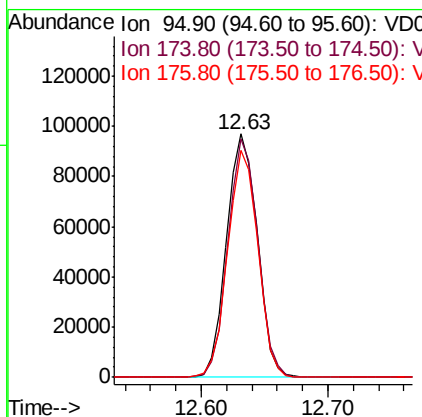
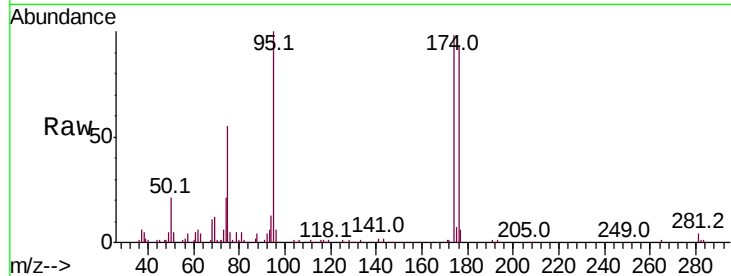




#62
4-Bromofluorobenzene
Concen: 53.328 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

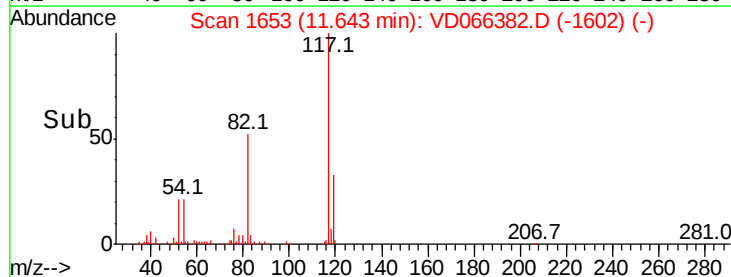
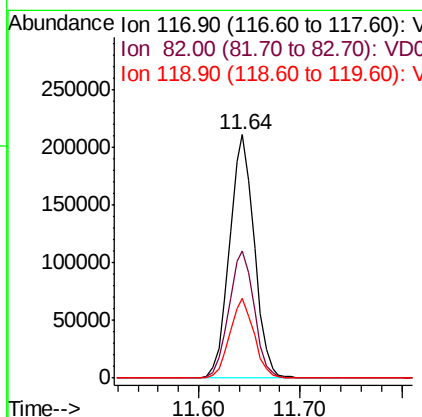
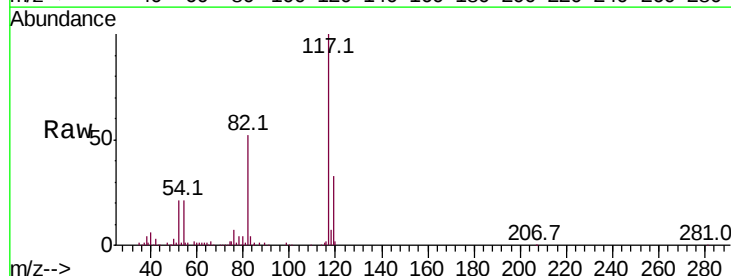
Instrument :
MSVOA_D
ClientSampleId :
349-346

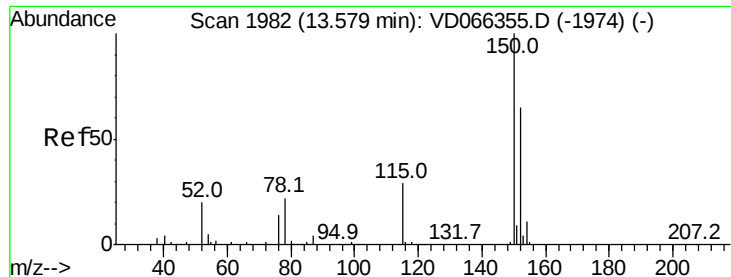
Tot Ion: 95 Resp: 162670
Ion Ratio Lower Upper
95 100
174 95.1 0.0 183.4
176 91.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066382.D
Acq: 24 Aug 2020 15:43

Tgt Ion: 117 Resp: 354982
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 32.8 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: VD066382.D

Acq: 24 Aug 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

349-346

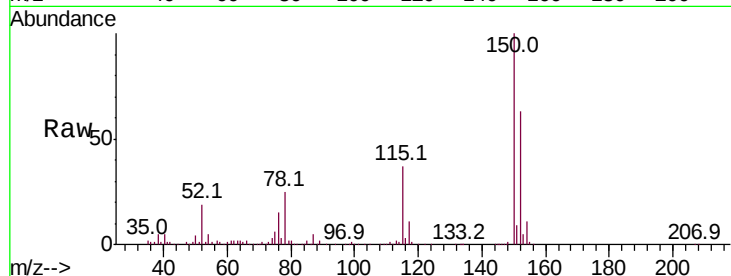
Tot Ion:152 Resp: 185385

Ion Ratio Lower Upper

152 100

115 57.3 28.3 85.0

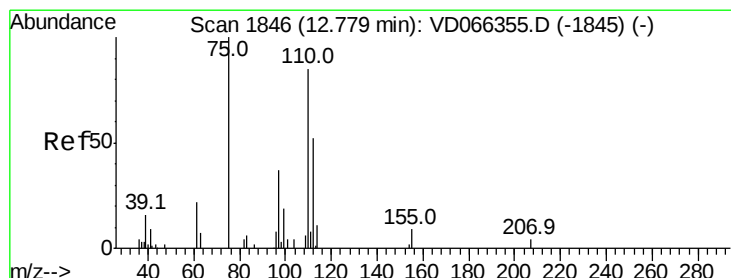
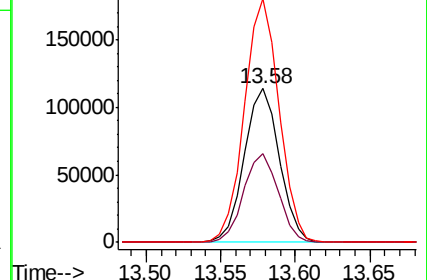
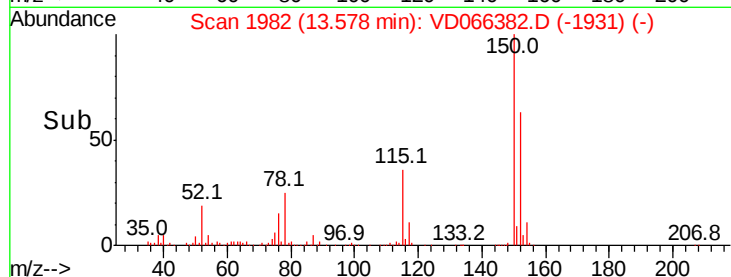
150 156.4 0.0 343.2



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: 69.990 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066382.D

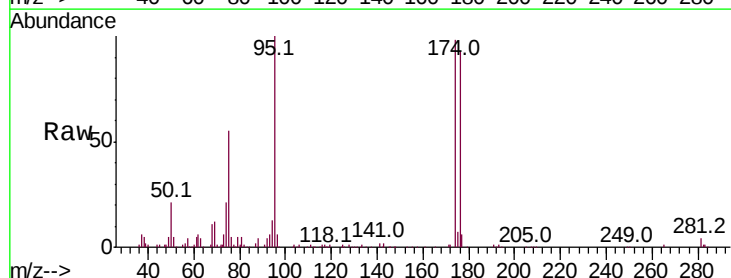
Acq: 24 Aug 2020 15:43

Tgt Ion: 75 Resp: 91281

Ion Ratio Lower Upper

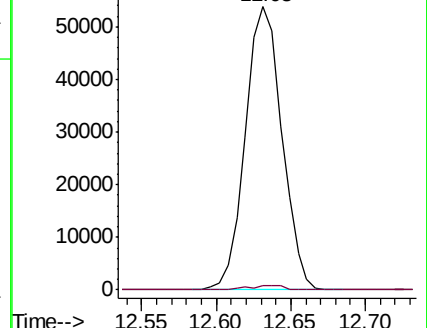
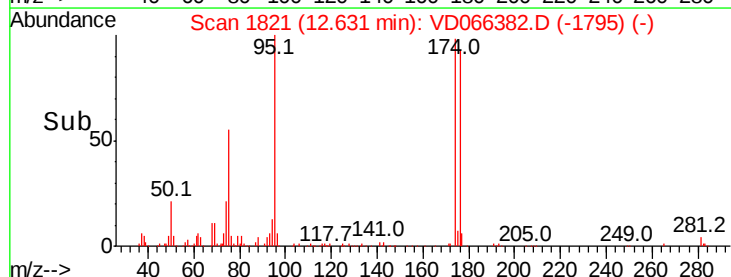
75 100

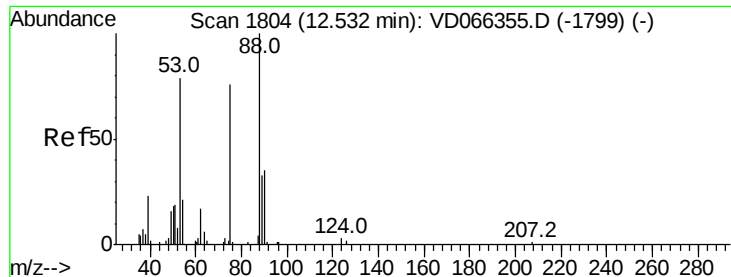
77 1.4 182.9 548.9#



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: 148.567 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066382.D

Acq: 24 Aug 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

349-346

Tot Ion: 75 Resp: 91281

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#

