

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066646.D
 Acq On : 11 Sep 2020 14:12
 Operator : VA/SY
 Sample : L3975-01
 Misc : 7.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	403360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	692326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	655122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246360	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.91	113	232832	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.34	98	860624	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.63	95	281609	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

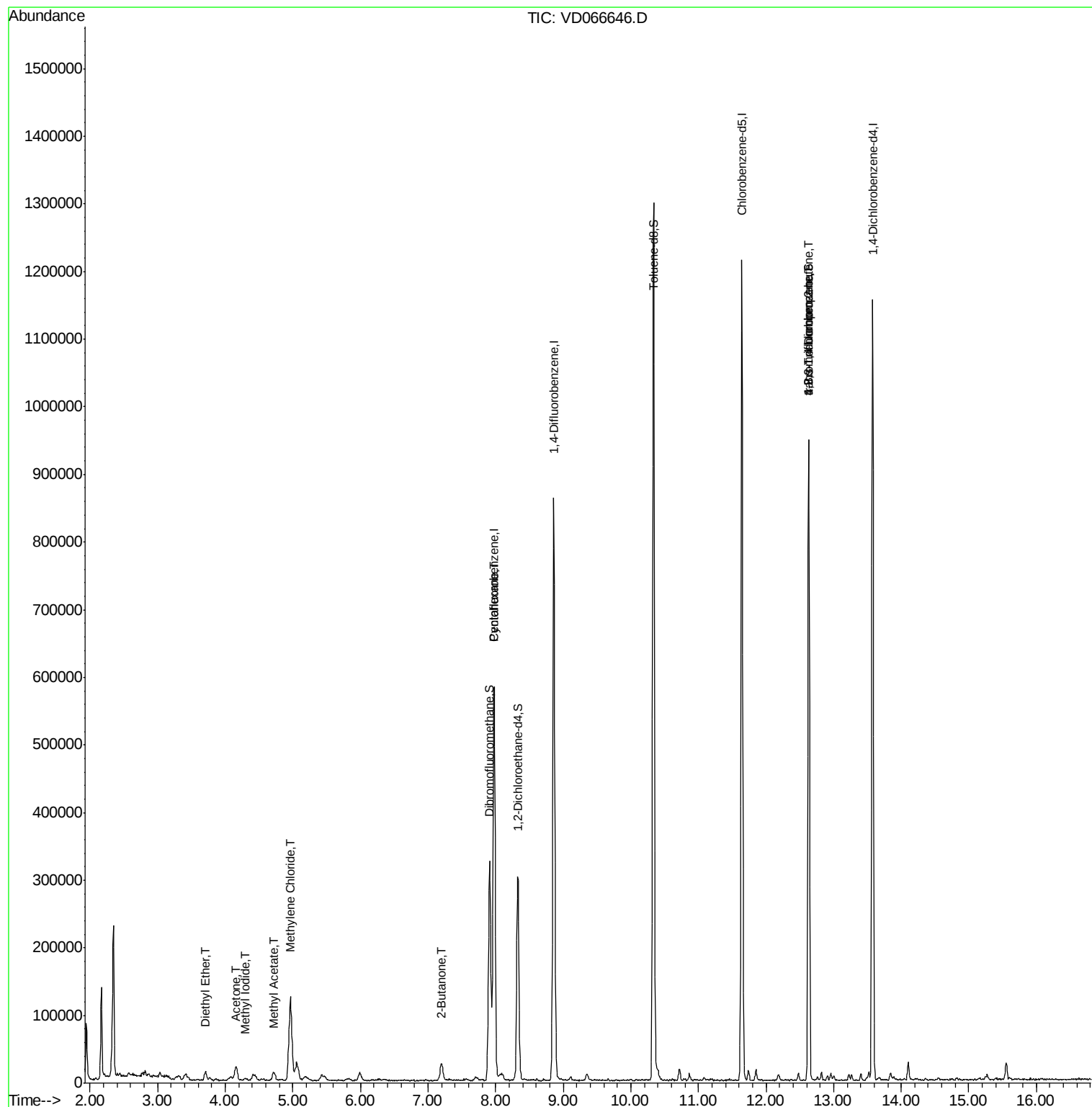
					Qvalue
2) Dichlorodifluoromethane	1.99	85	2012	Below Cal	# 46
5) Bromomethane	2.79	94	4014	Below Cal	# 48
8) Diethyl Ether	3.70	74	5972	2.838	ug/l 99
10) Methyl Iodide	4.30	142	3414	4.784	ug/l # 87
11) Tert butyl alcohol	5.19	59	2056	Below Cal	# 74
16) Acetone	4.16	43	39345	43.816	ug/l 92
18) Methyl Acetate	4.73	43	21355	9.976	ug/l 97
20) Methylene Chloride	4.97	84	89444	13.438	ug/l 96
25) 2-Butanone	7.21	43	4349	3.608	ug/l # 88
31) Cyclohexane	7.98	56	13159	1.653	ug/l # 22
76) 1,2,3-Trichloropropane	12.63	75	156855	56.976	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.63	75	156855	133.019	ug/l # 6

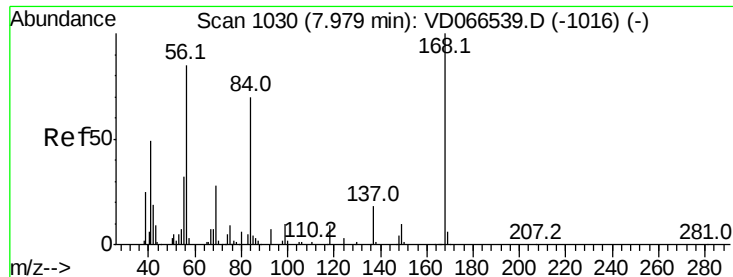
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\
Data File : VD066646.D
Acq On : 11 Sep 2020 14:12
Operator : VA/SY
Sample : L3975-01
Misc : 7.12G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 12 00:39:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

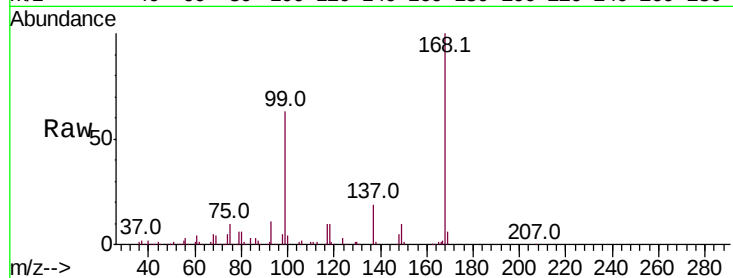
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 403360

Ion Ratio Lower Upper

168 100

99 62.6 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

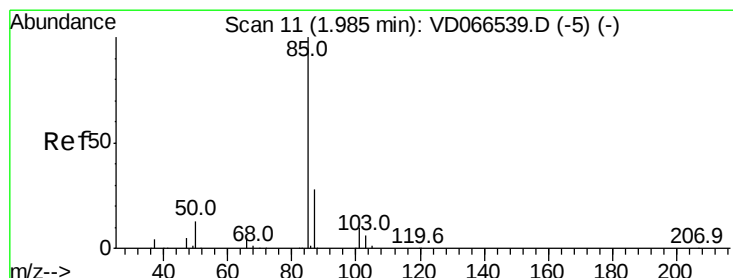
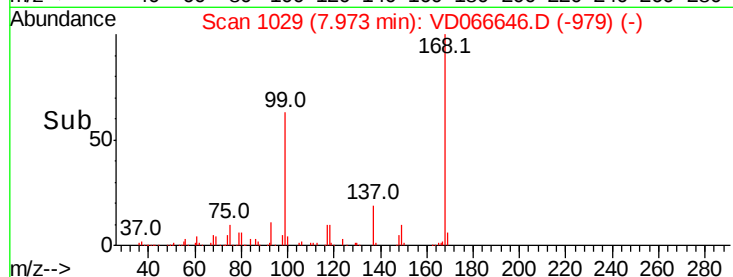
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066646.D

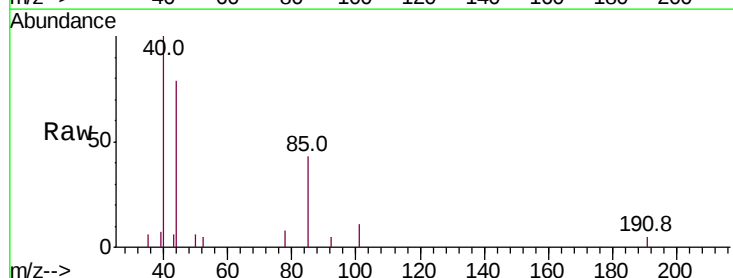
Acq: 11 Sep 2020 14:12

Tgt Ion: 85 Resp: 2012

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

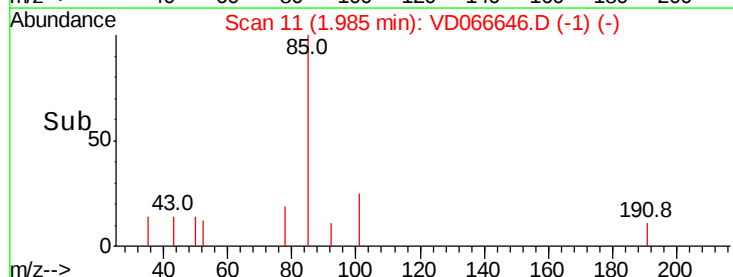
1500

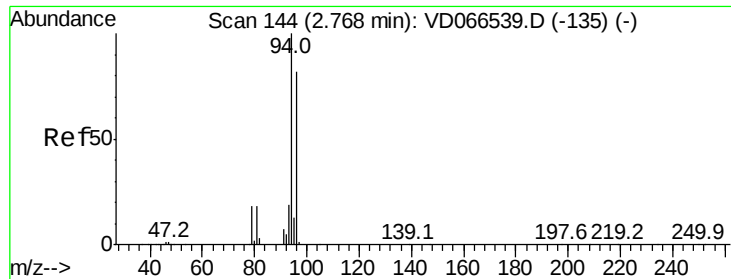
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

Instrument :

MSVOA_D

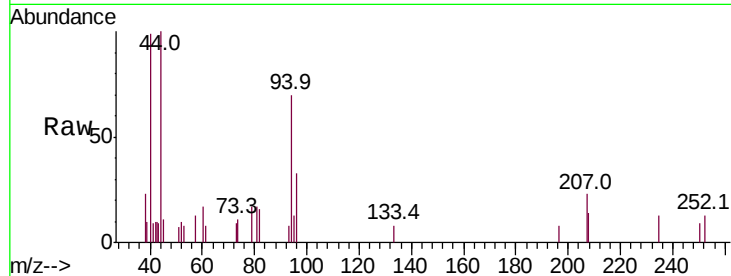
ClientSampleId :

Tot Ion: 94 Resp: 4014

Ion Ratio Lower Upper

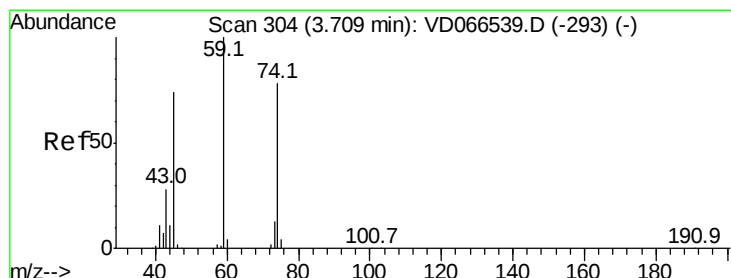
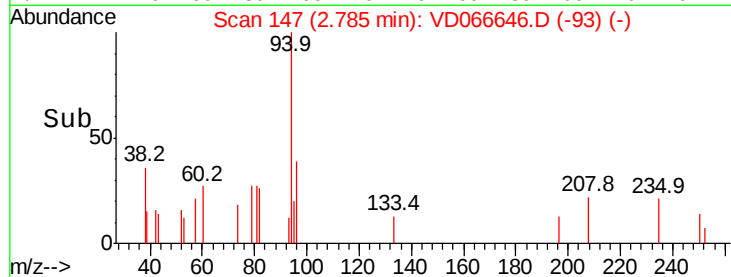
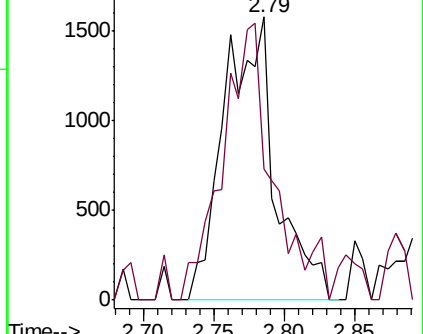
94 100

96 34.9 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 2.838 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066646.D

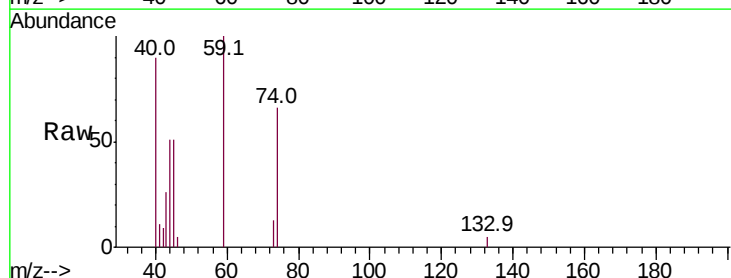
Acq: 11 Sep 2020 14:12

Tgt Ion: 74 Resp: 5972

Ion Ratio Lower Upper

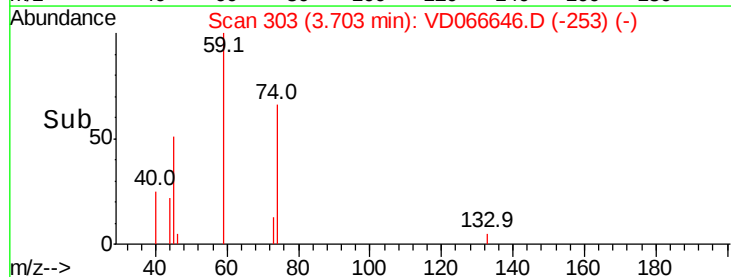
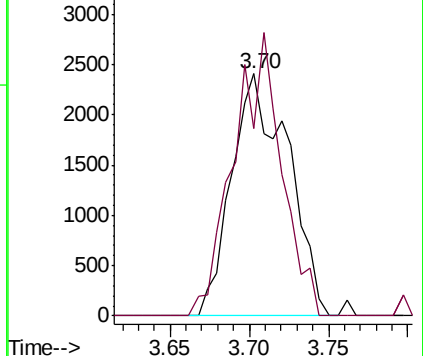
74 100

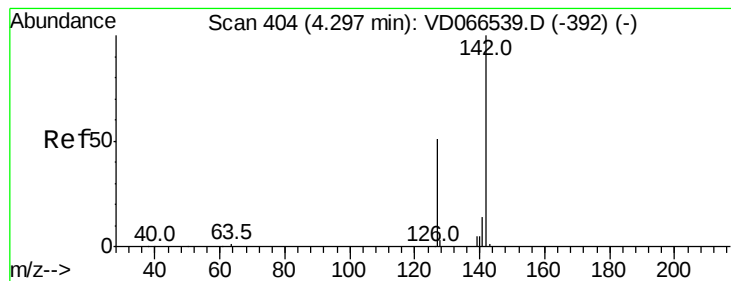
45 98.5 49.7 149.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#10

Methyl Iodide

Concen: 4.784 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

Instrument :
MSVOA_D
ClientSampled :

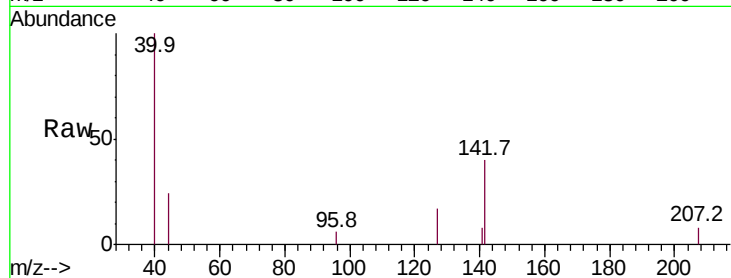
Tot Ion:142 Resp: 3414

Ion Ratio Lower Upper

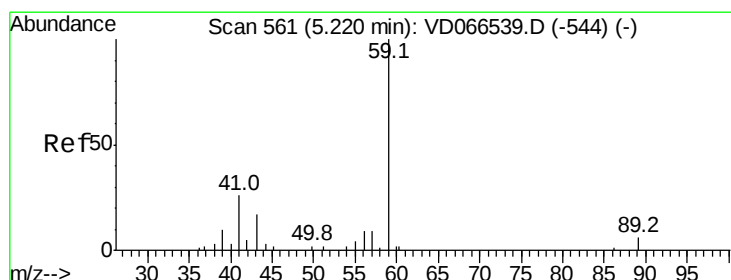
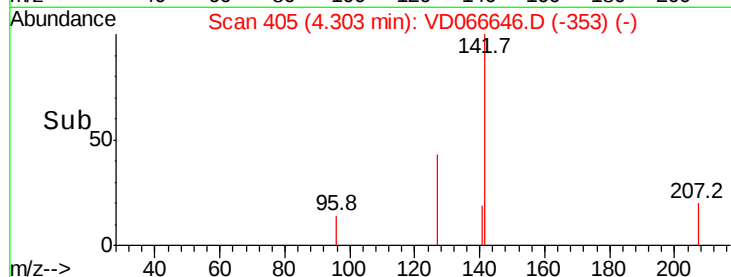
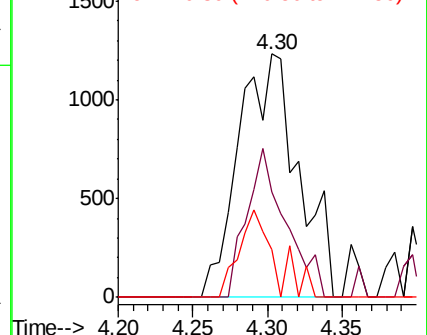
142 100

127 40.2 40.6 61.0#

141 17.3 12.2 18.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.03 min

Lab File: VD066646.D

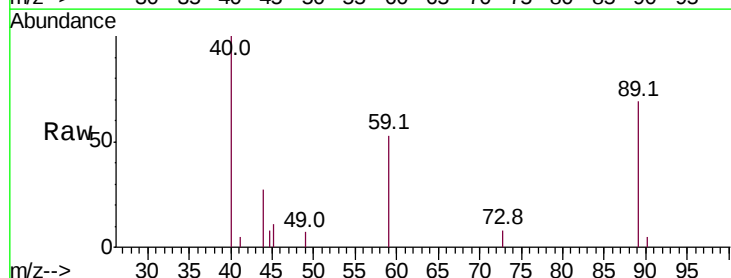
Acq: 11 Sep 2020 14:12

Tgt Ion: 59 Resp: 2056

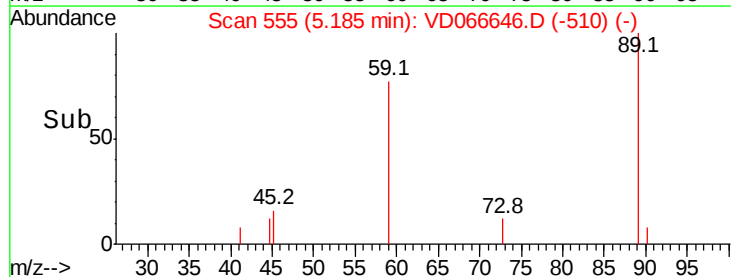
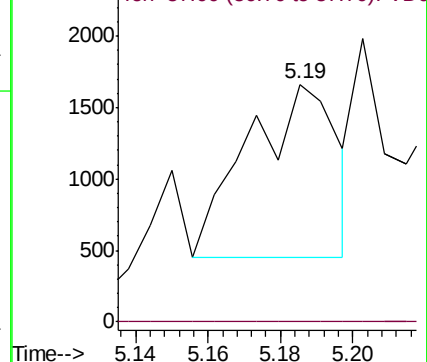
Ion Ratio Lower Upper

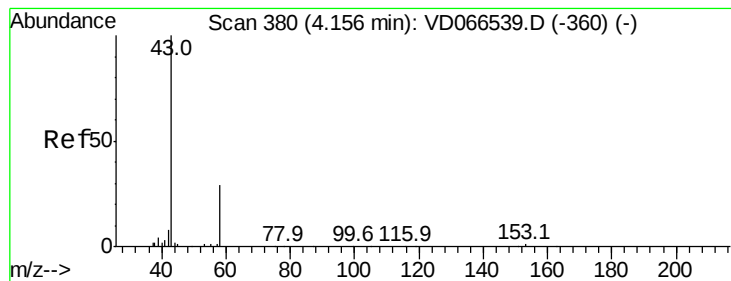
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 43.816 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

Instrument :

MSVOA_D

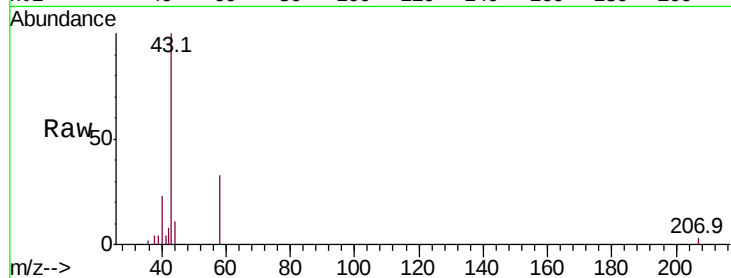
ClientSampleId :

Tot Ion: 43 Resp: 39345

Ion Ratio Lower Upper

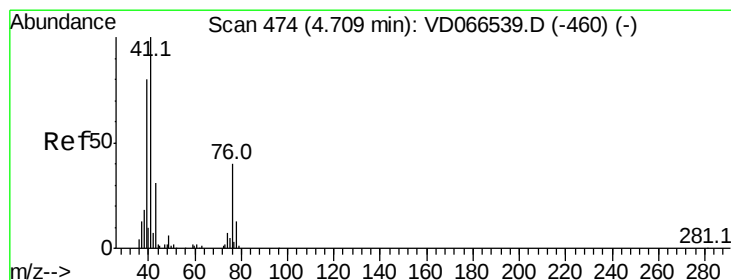
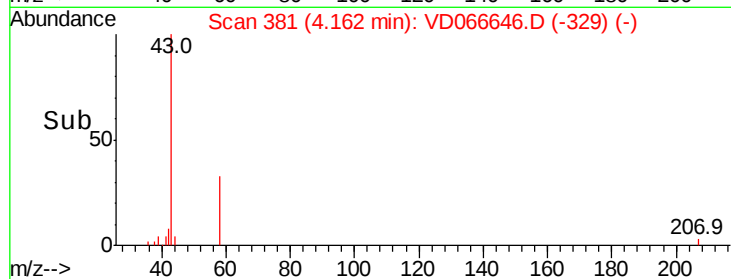
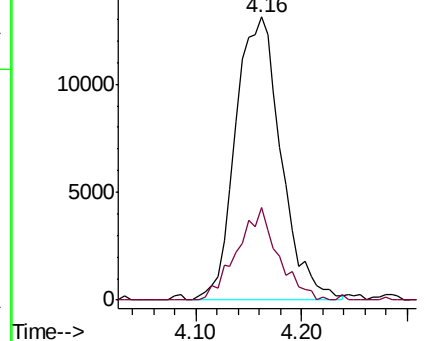
43 100

58 32.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 9.976 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.02 min

Lab File: VD066646.D

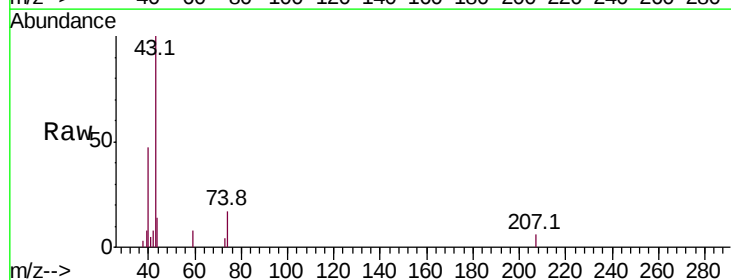
Acq: 11 Sep 2020 14:12

Tgt Ion: 43 Resp: 21355

Ion Ratio Lower Upper

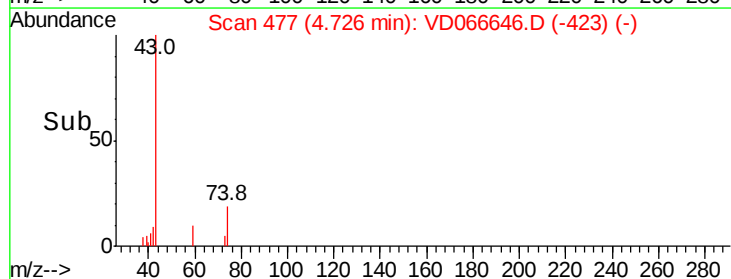
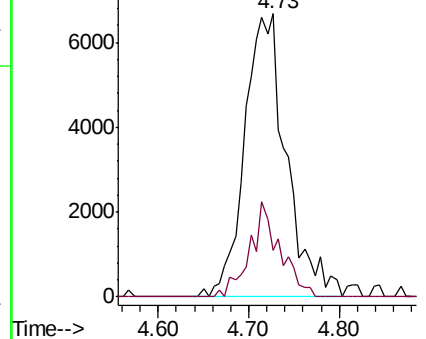
43 100

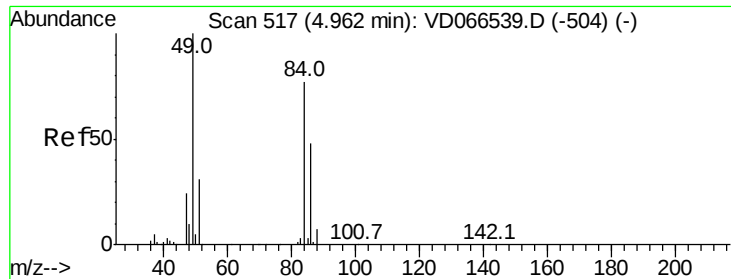
74 23.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

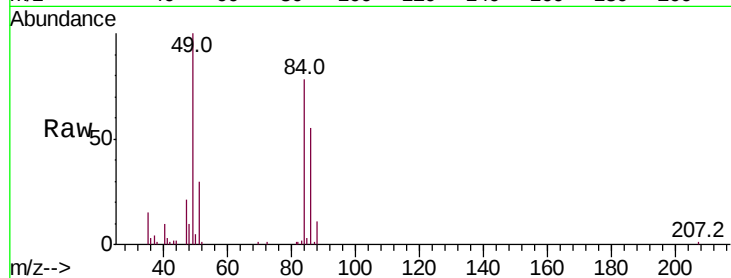




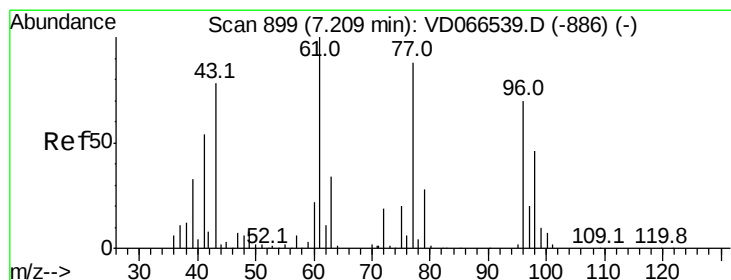
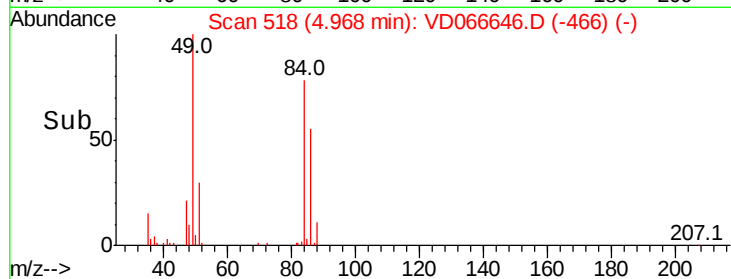
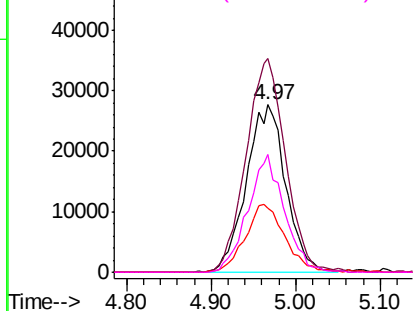
#20
Methvlene Chloride
Concen: 13.438 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 89444
Ion Ratio Lower Upper
84 100
49 127.8 104.3 156.5
51 38.6 32.2 48.4
86 70.4 50.0 75.0

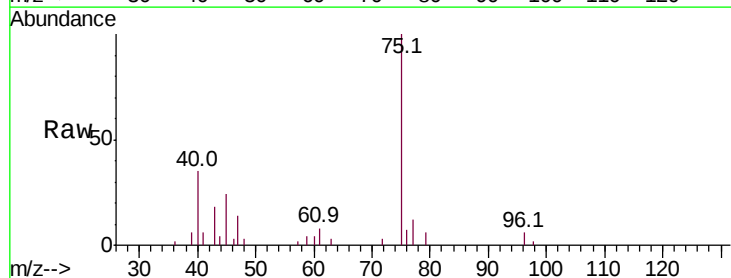


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

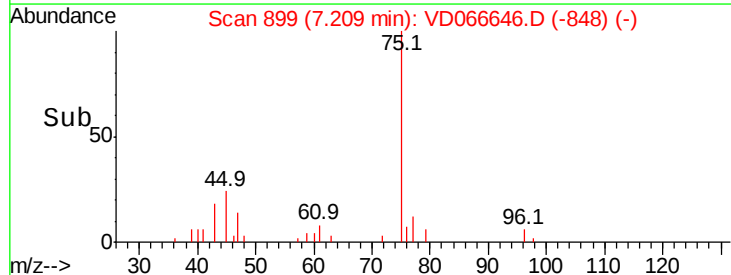
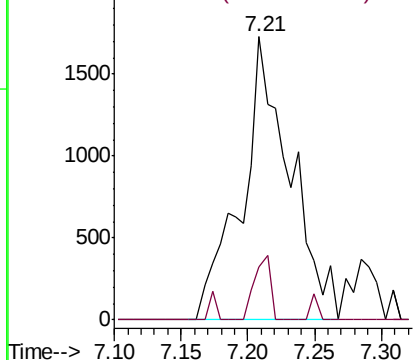


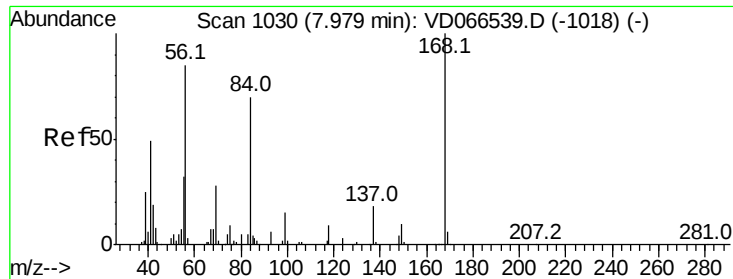
#25
2-Butanone
Concen: 3.608 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

Tgt Ion: 43 Resp: 4349
Ion Ratio Lower Upper
43 100
72 18.9 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

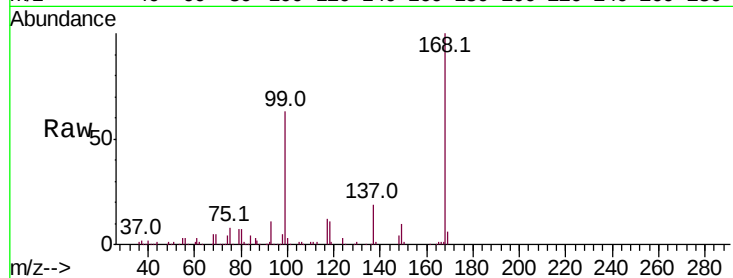




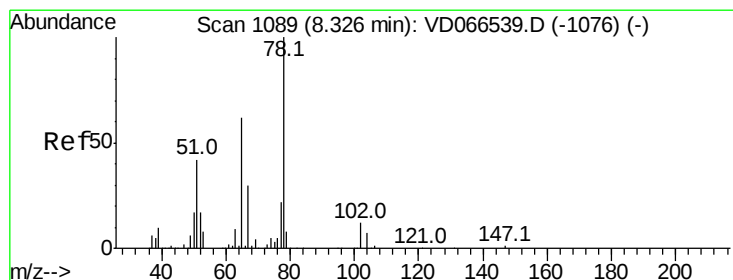
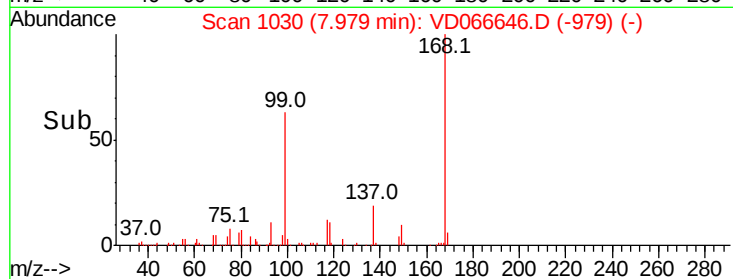
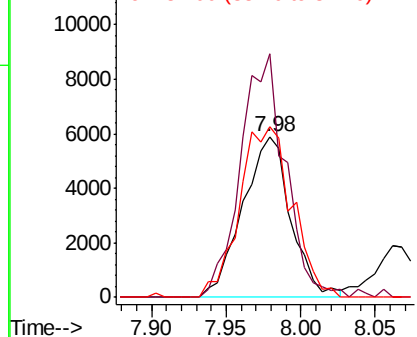
#31
Cyclohexane
Concen: 1.653 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 13159
Ion Ratio Lower Upper
56 100
69 151.6 26.3 39.5#
84 105.9 66.1 99.1#

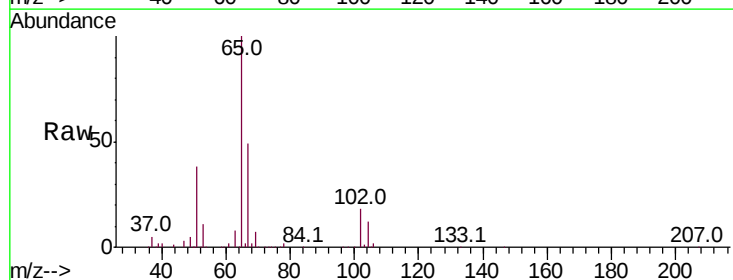


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

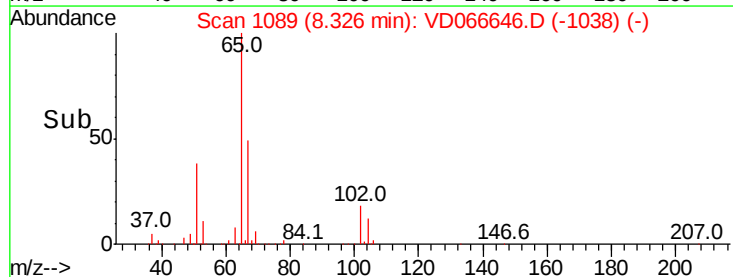
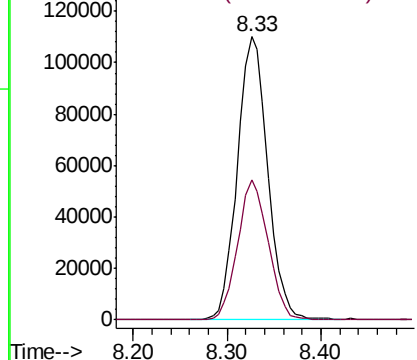


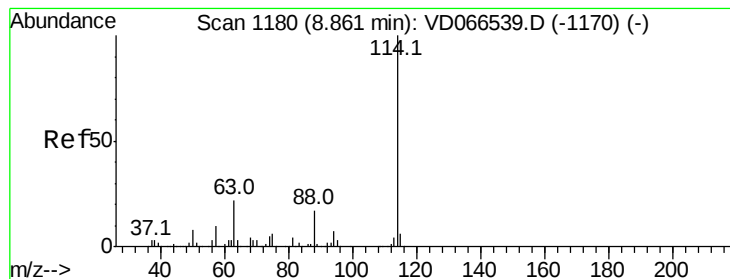
#33
1,2-Dichloroethane-d4
Concen: 50.481 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

Tgt Ion: 65 Resp: 246360
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.8



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: VD066646.D

Acq: 11 Sep 2020 14:12

Instrument :

MSVOA_D

ClientSampleId :

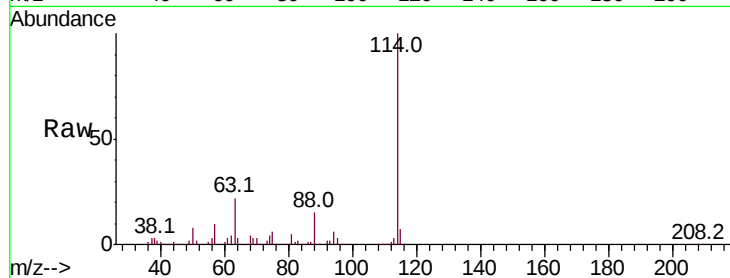
Tot Ion:114 Resp: 692326

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

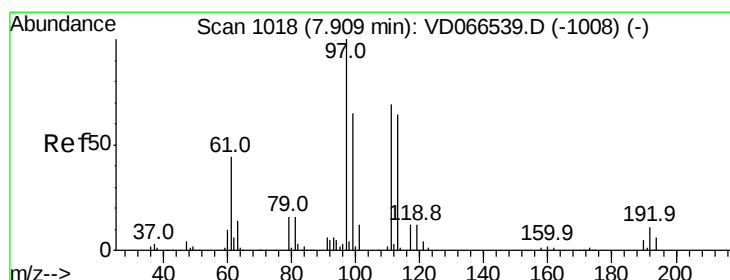
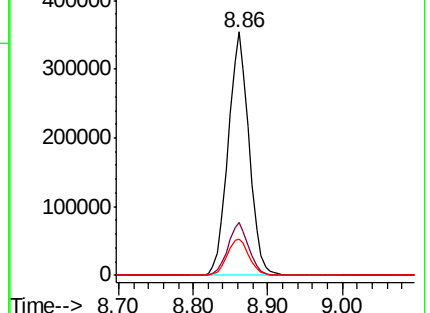
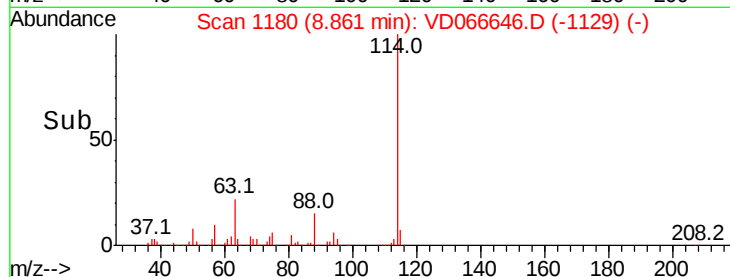
88 14.7 0.0 33.2



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: 49.852 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

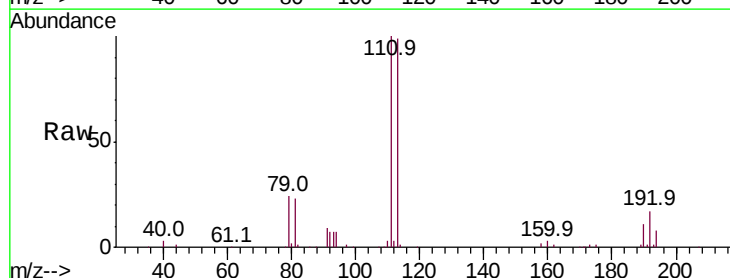
Tgt Ion:113 Resp: 232832

Ion Ratio Lower Upper

113 100

111 103.7 83.2 124.8

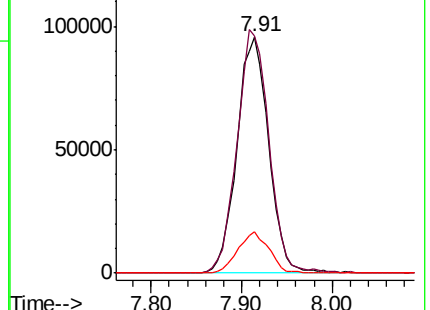
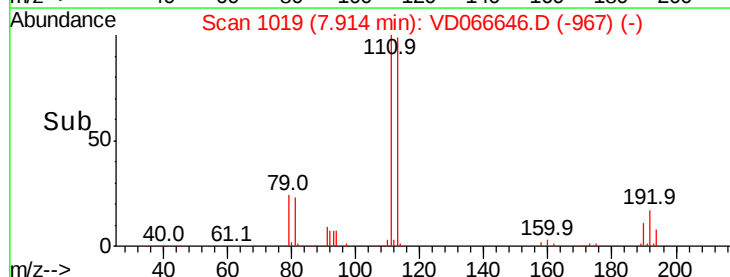
192 17.0 13.7 20.5

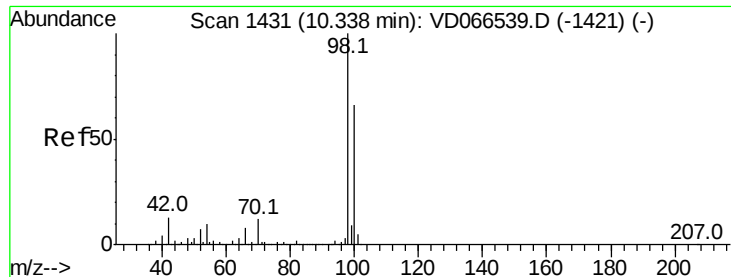


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

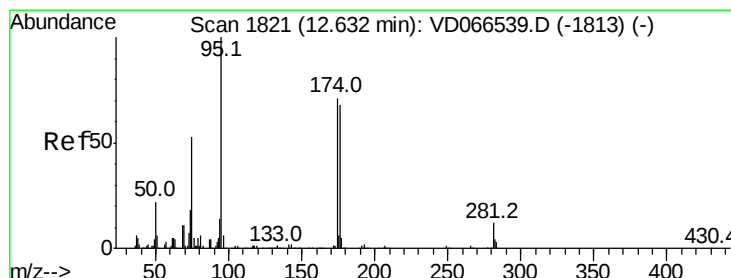
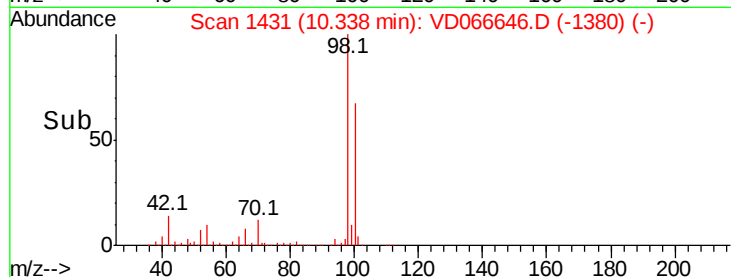
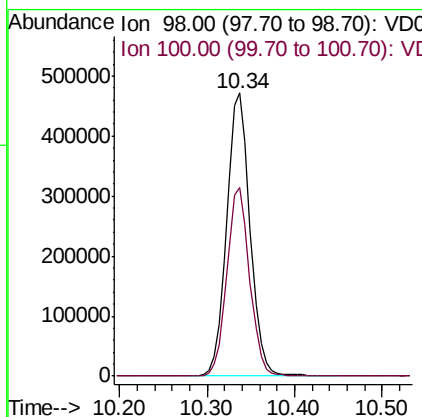
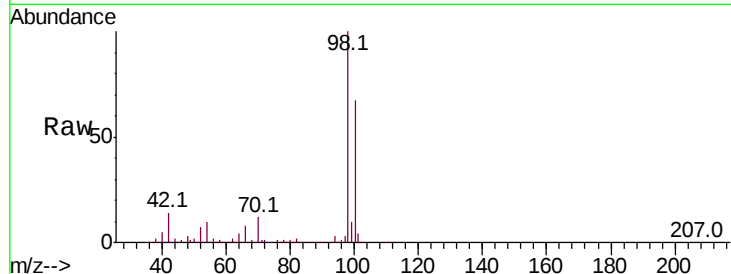




#50
Toluene-d8
Concen: 51.556 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

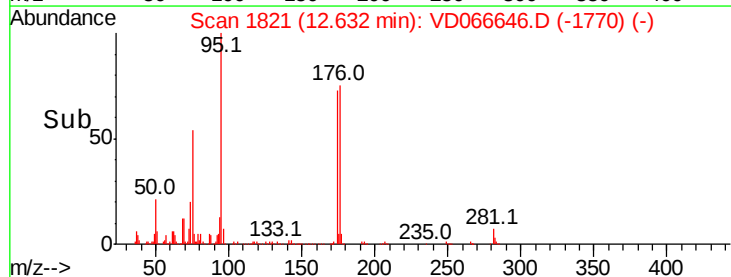
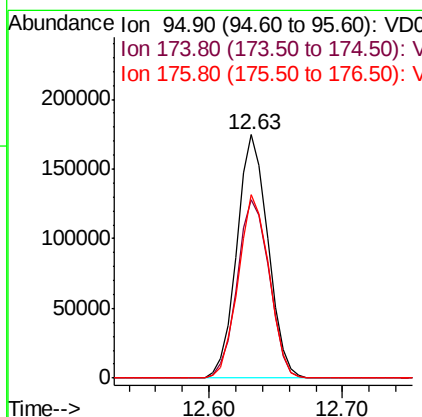
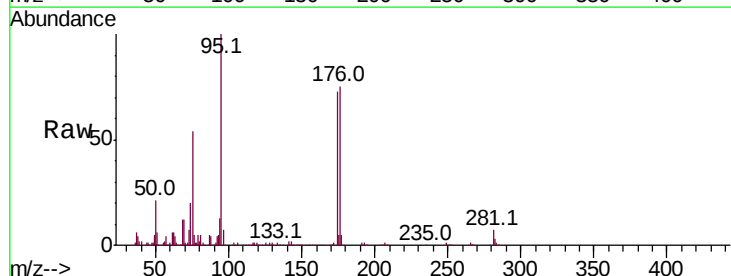
Instrument :
MSVOA_D
ClientSampled :

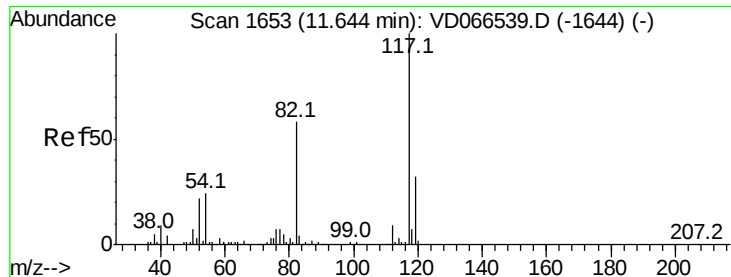
Tot Ion: 98 Resp: 860624
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.876 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

Tgt Ion: 95 Resp: 281609
Ion Ratio Lower Upper
95 100
174 75.7 0.0 155.8
176 74.8 0.0 148.6

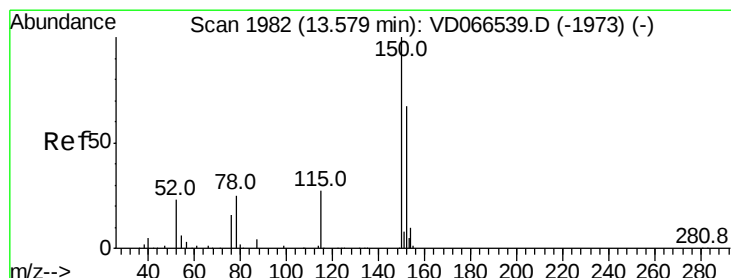
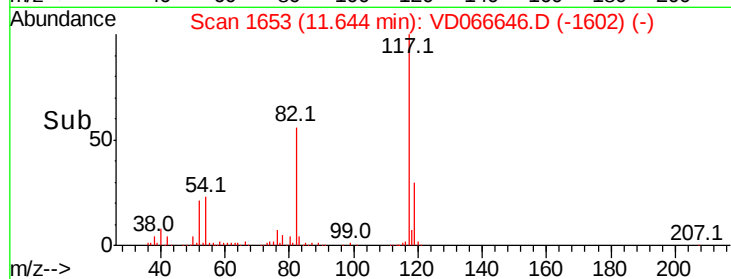
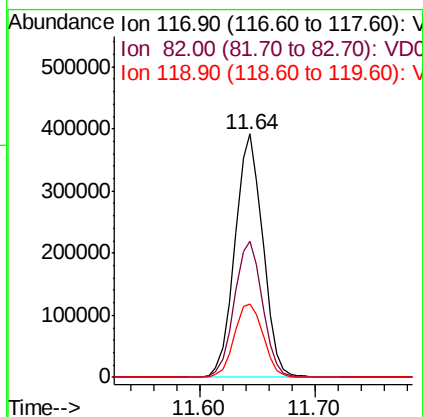
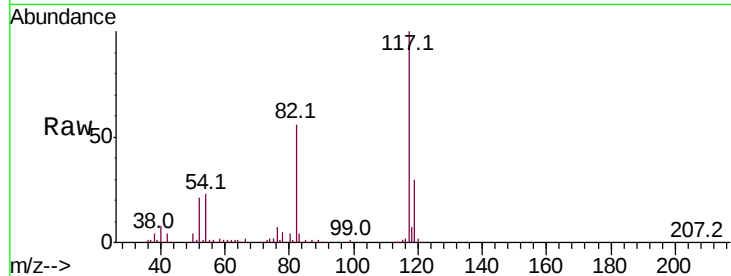




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

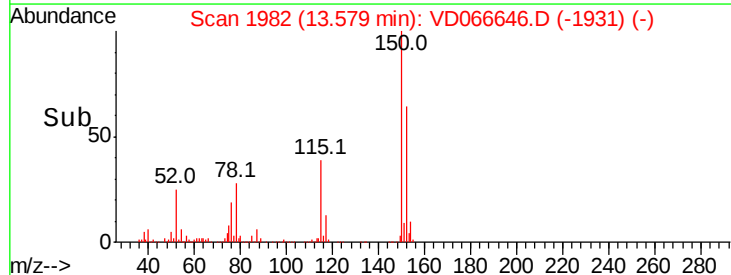
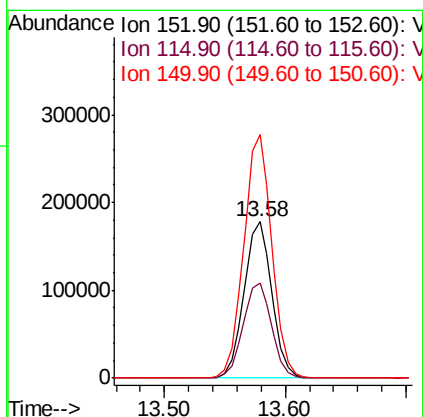
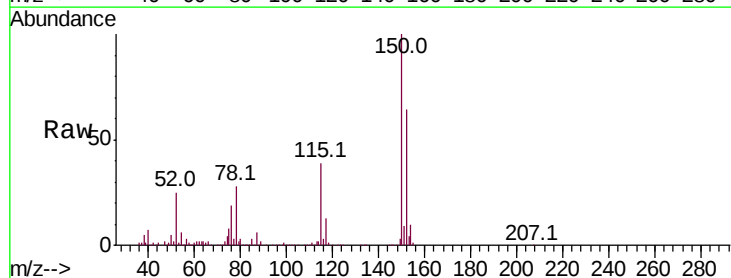
Instrument :
MSVOA_D
ClientSampleId :

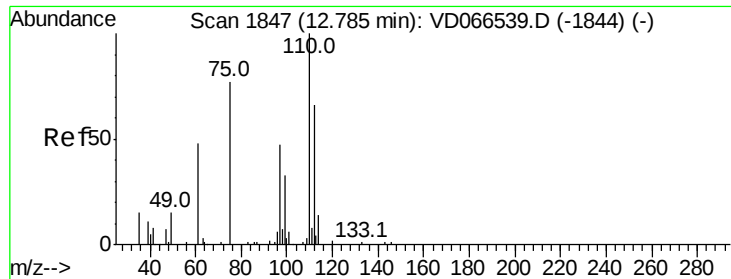
Tot Ion:117 Resp: 655122
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.2
119 30.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066646.D
Acq: 11 Sep 2020 14:12

Tgt Ion:152 Resp: 286254
Ion Ratio Lower Upper
152 100
115 61.9 30.4 91.2
150 156.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 56.976 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

Instrument :

MSVOA_D

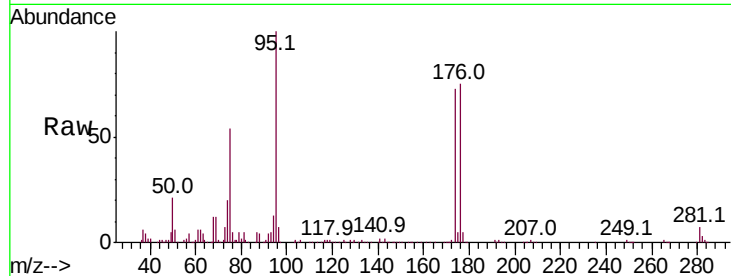
ClientSampled :

Tot Ion: 75 Resp: 156855

Ion Ratio Lower Upper

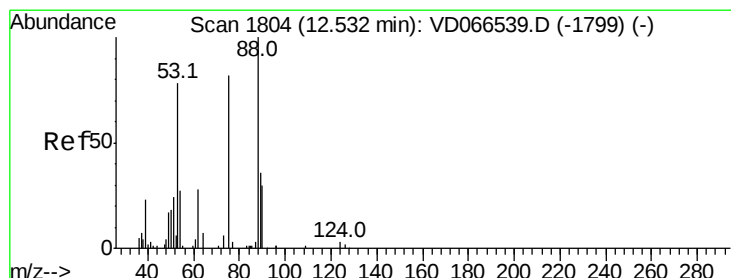
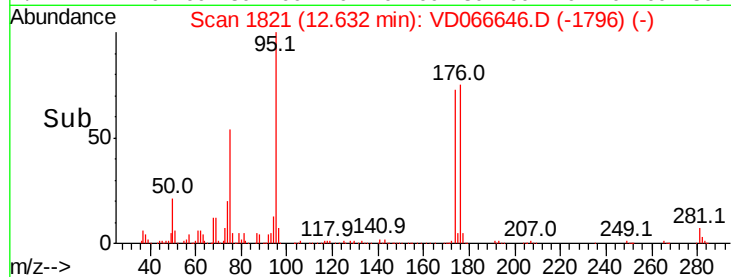
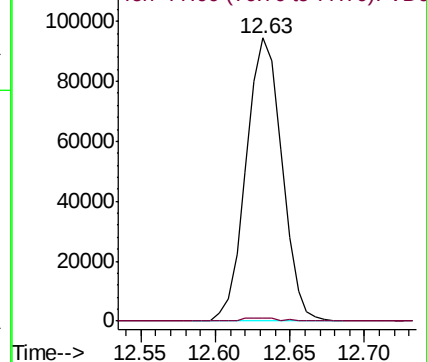
75 100

77 1.2 0.0 0.0#



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: 133.019 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066646.D

Acq: 11 Sep 2020 14:12

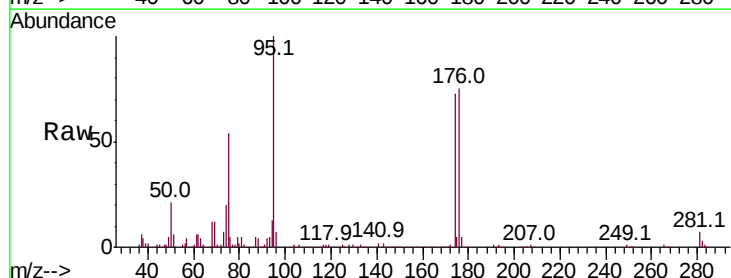
Tgt Ion: 75 Resp: 156855

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.0 37.1 55.7#



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

