

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066588.D
 Acq On : 09 Sep 2020 17:32
 Operator : VA/SY
 Sample : L3919-01
 Misc : 7.29G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10

Quant Time: Sep 10 01:41:14 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	7.98	168	339141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	642624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	605051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	240738	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	7.91	113	225761	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.34	98	810285	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.63	95	262676	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

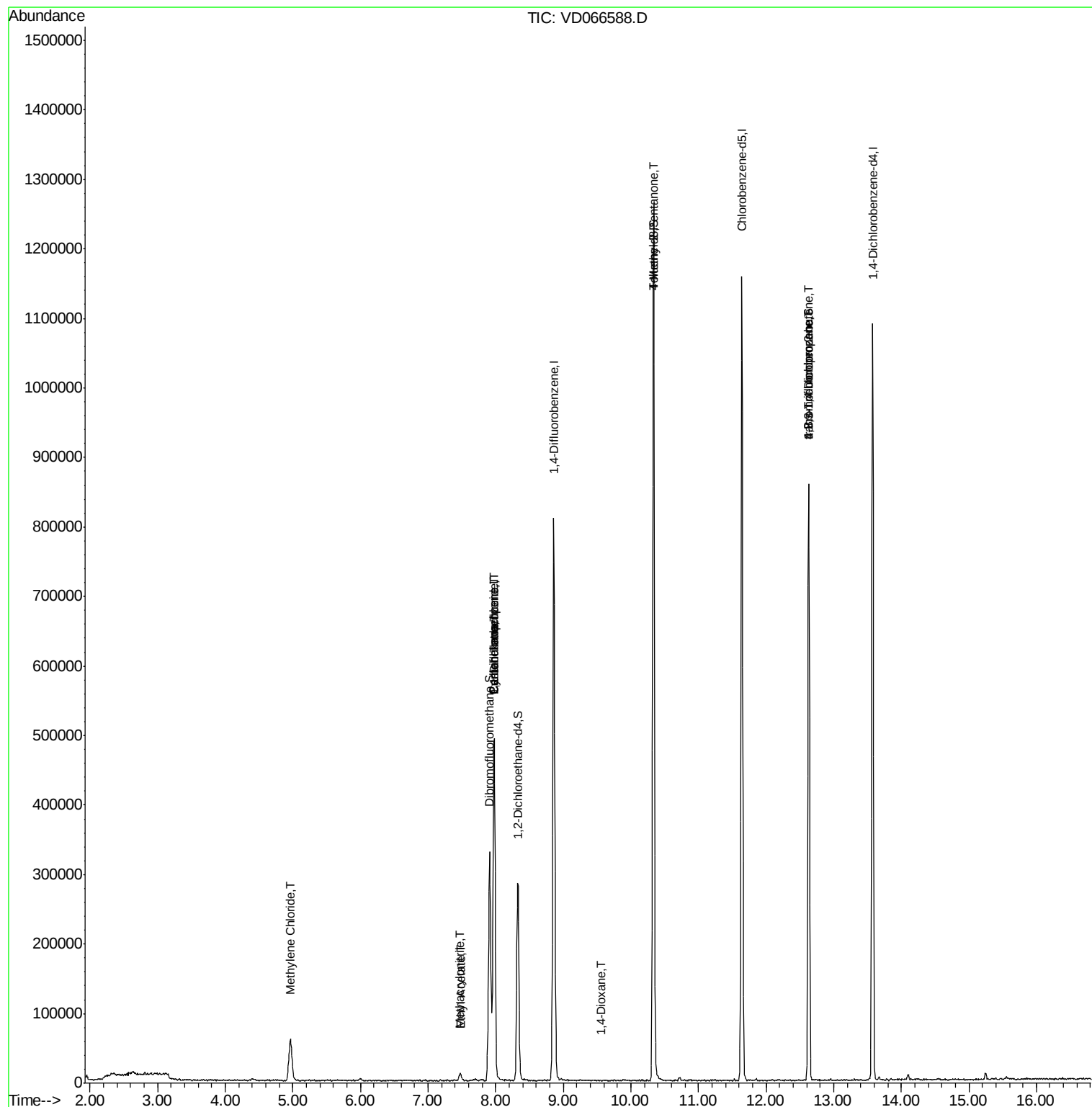
					Qvalue	
5) Bromomethane	2.77	94	442	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	81	Below Cal	#	74
20) Methylene Chloride	4.96	84	43562	4.574	ug/l	93
31) Cyclohexane	7.98	56	9468	1.414	ug/l #	40
36) 1,1-Dichloropropene	7.97	75	31100	4.650	ug/l #	50
37) Ethyl Acetate	7.49	43	9105	3.419	ug/l #	68
38) Carbon Tetrachloride	7.97	117	39707	5.617	ug/l #	19
41) Methacrylonitrile	7.47	41	5819	4.514	ug/l #	45
49) 1,4-Dioxane	9.56	88	82	2.941	ug/l #	23
51) 4-Methyl-2-Pentanone	10.34	43	4966	1.929	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	150318	59.308	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	150318	138.462	ug/l #	7

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

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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: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

Instrument :

MSVOA_D

ClientSampled :

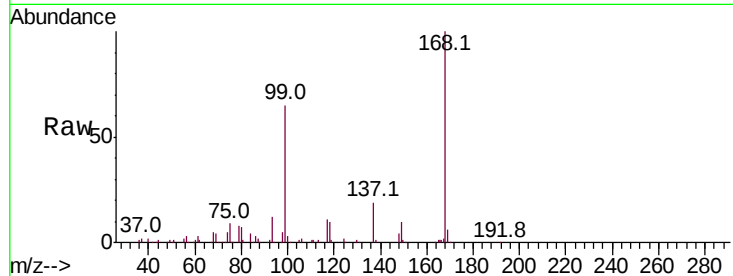
TP-10

Tot Ion:168 Resp: 339141

Ion Ratio Lower Upper

168 100

99 65.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

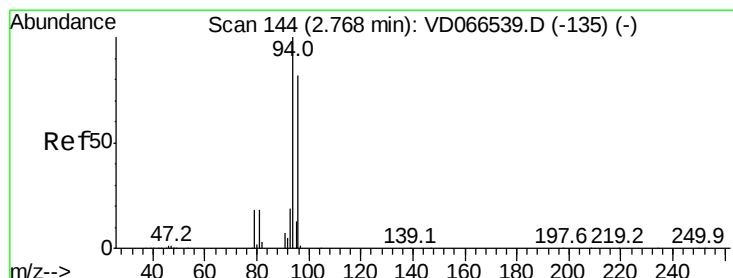
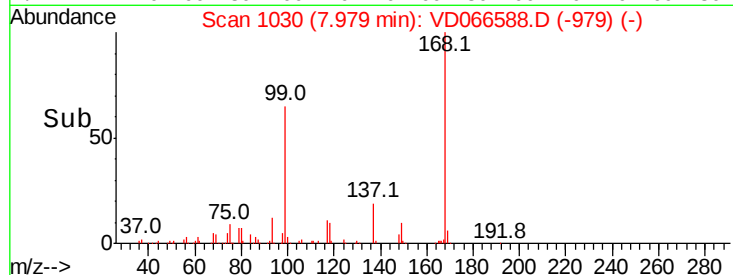
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066588.D

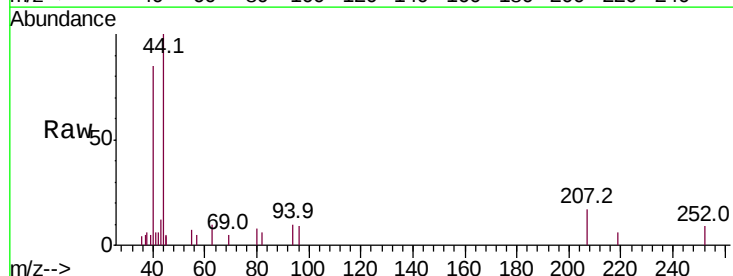
Acq: 09 Sep 2020 17:32

Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

94 100

96 31.5 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

600

500

400

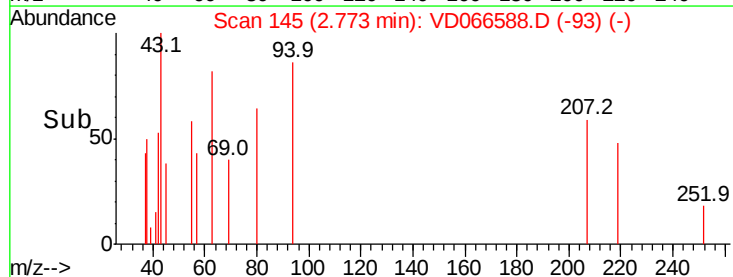
300

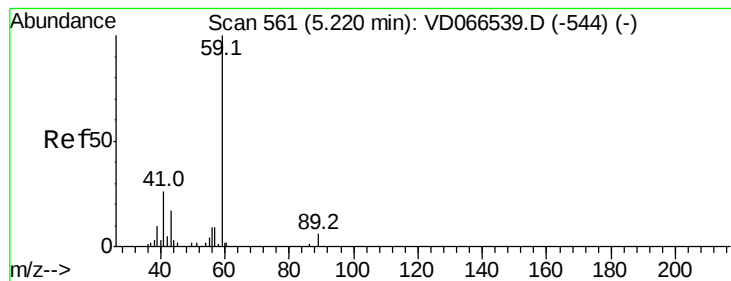
200

100

0

Time-->



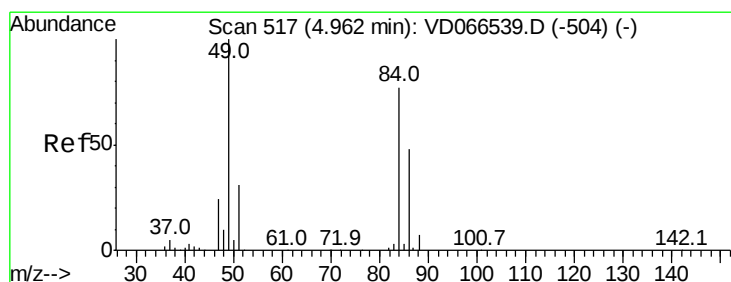
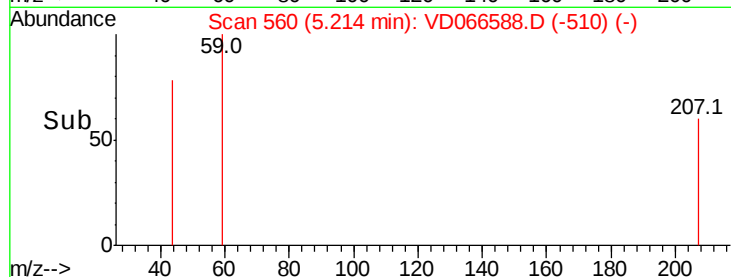
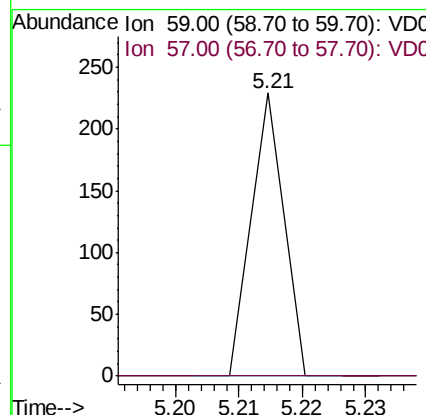
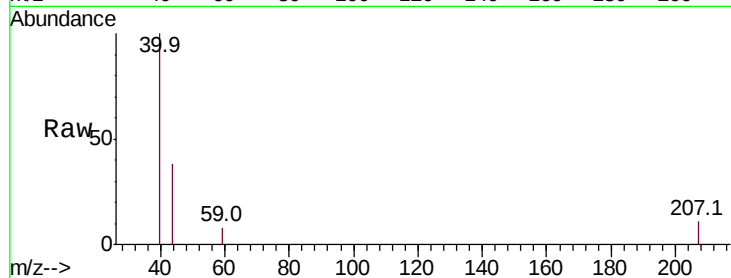


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066588.D
 Acq: 09 Sep 2020 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10

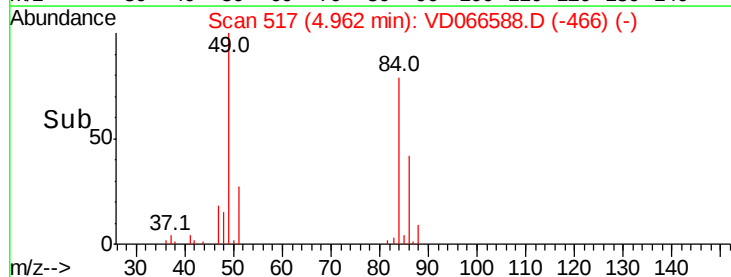
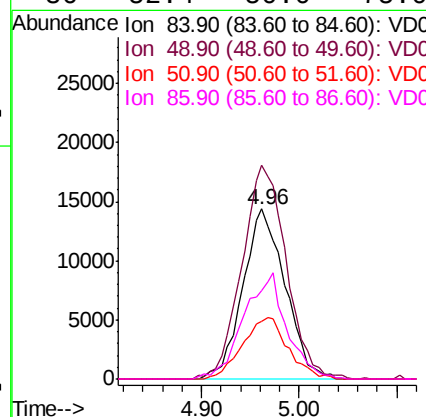
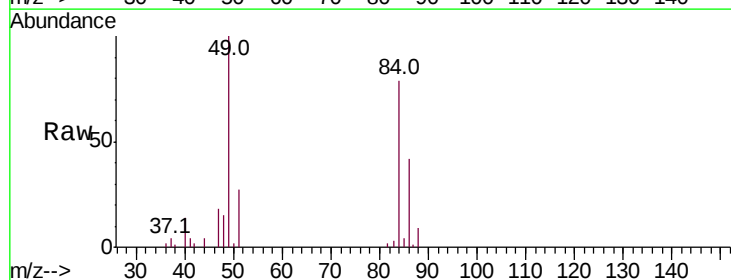
Tot Ion: 59 Resp: 81
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

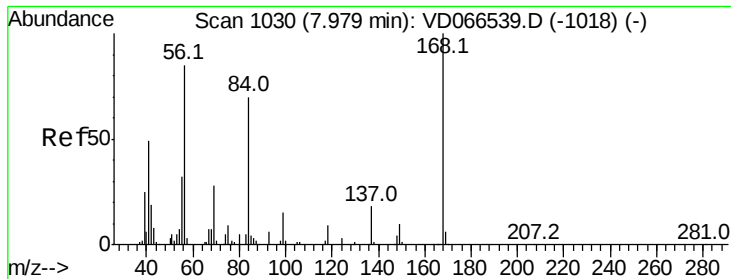


#20

Methylene Chloride
 Concen: 4.574 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD066588.D
 Acq: 09 Sep 2020 17:32

Tgt Ion: 84 Resp: 43562
 Ion Ratio Lower Upper
 84 100
 49 125.9 104.3 156.5
 51 33.9 32.2 48.4
 86 52.4 50.0 75.0

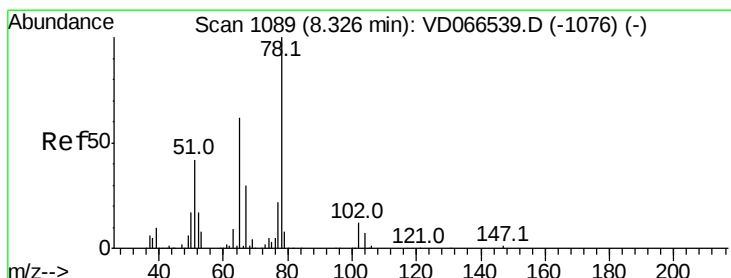
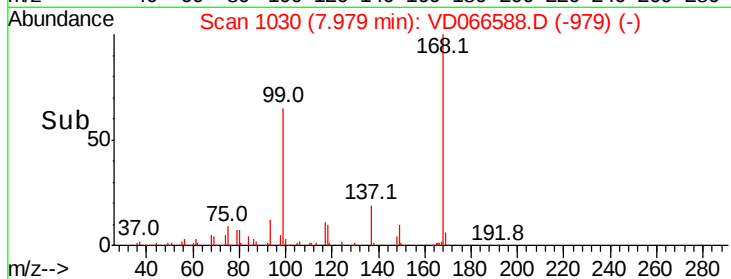
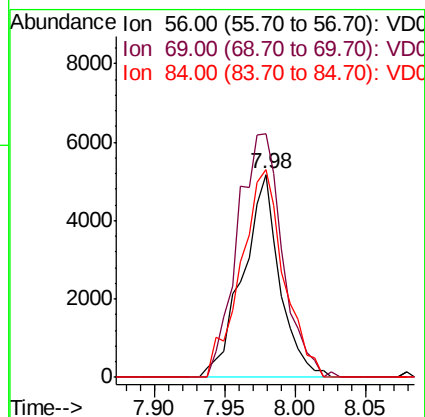
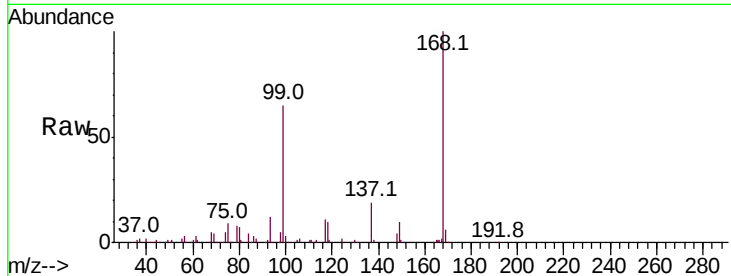




#31
Cyclohexane
Concen: 1.414 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

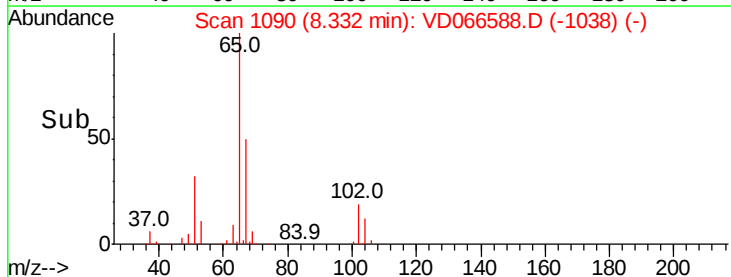
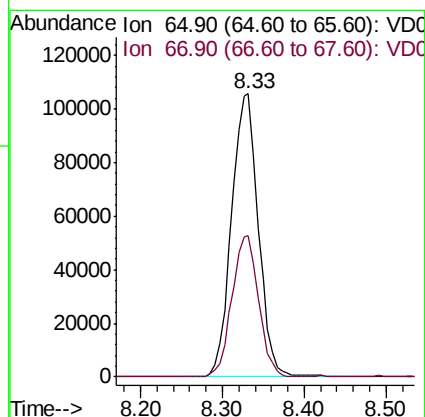
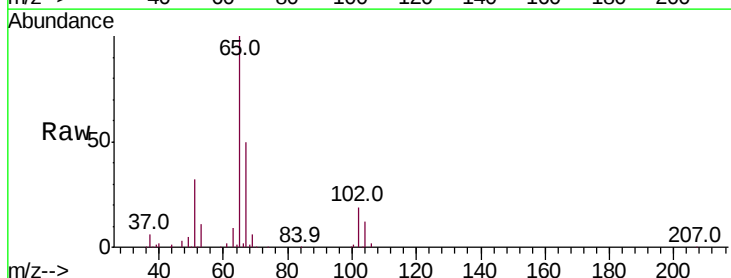
Instrument :
MSVOA_D
ClientSampled :
TP-10

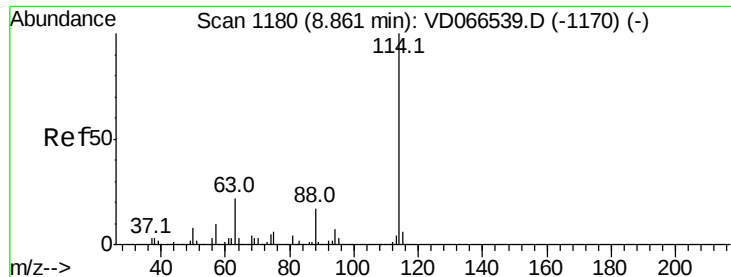
Tot Ion: 56 Resp: 9468
Ion Ratio Lower Upper
56 100
69 120.1 26.3 39.5#
84 102.7 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 58.670 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

Tgt Ion: 65 Resp: 240738
Ion Ratio Lower Upper
65 100
67 49.6 0.0 102.8

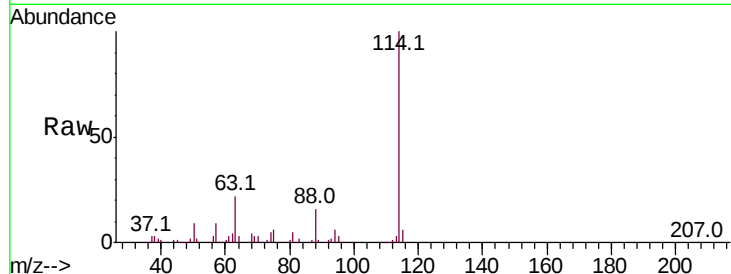




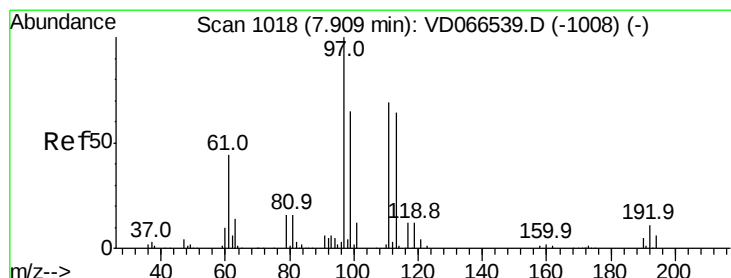
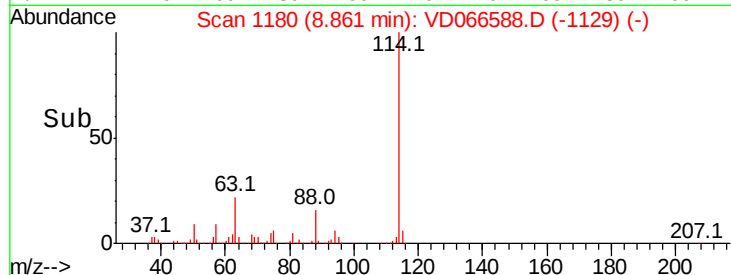
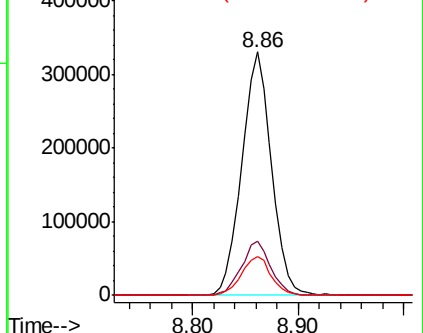
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tot Ion:114 Resp: 642624
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.2
88 16.2 0.0 33.2

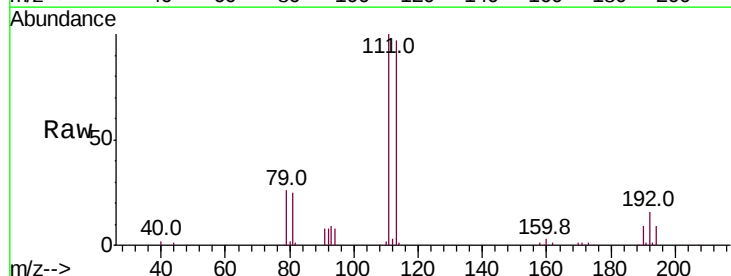


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

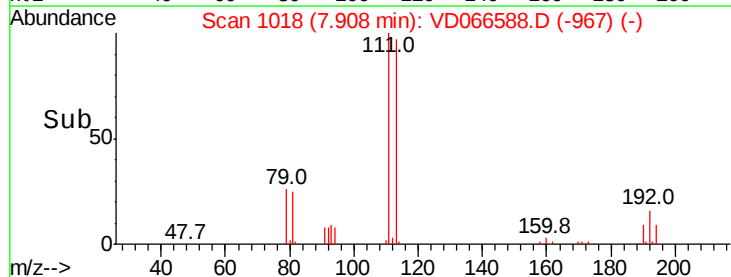
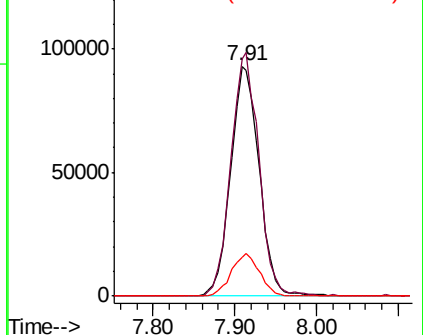


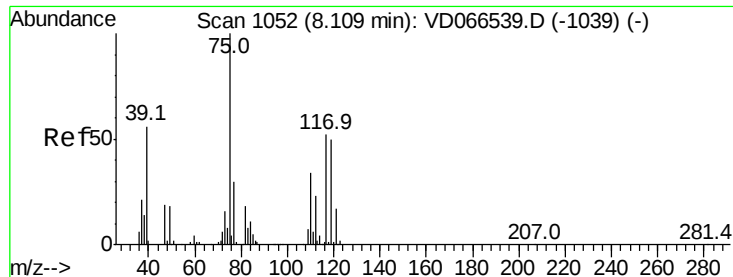
#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

Tgt Ion:113 Resp: 225761
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 18.3 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





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

Instrument :

MSVOA_D

ClientSampled :

TP-10

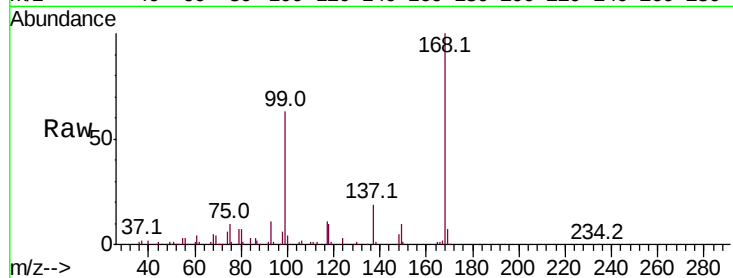
Tot Ion: 75 Resp: 31100

Ion Ratio Lower Upper

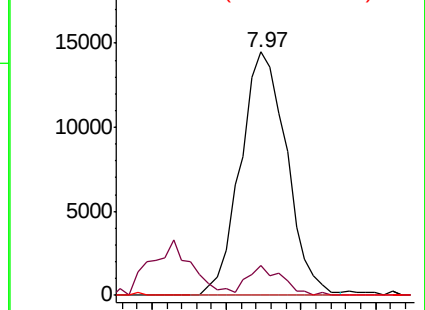
75 100

110 9.0 17.3 52.0#

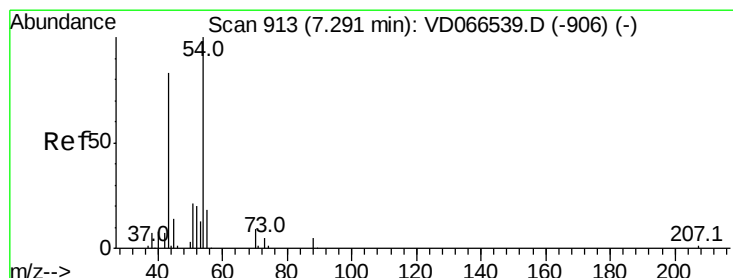
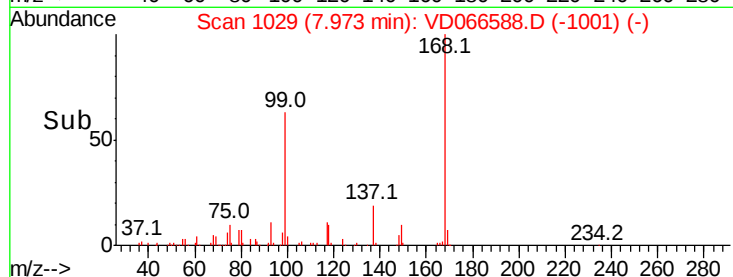
77 0.0 25.1 37.7#



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



Time-->



#37

Ethyl Acetate

Concen: 3.419 ug/l

RT: 7.49 min Scan# 947

Delta R.T. 0.20 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

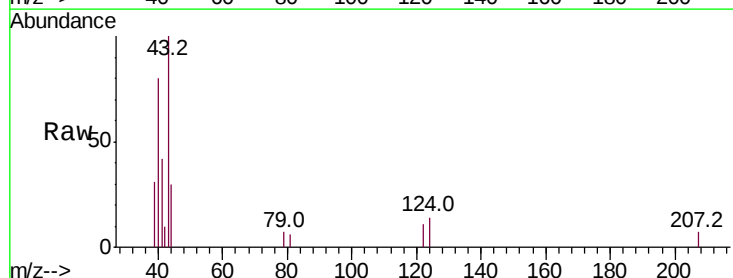
Tgt Ion: 43 Resp: 9105

Ion Ratio Lower Upper

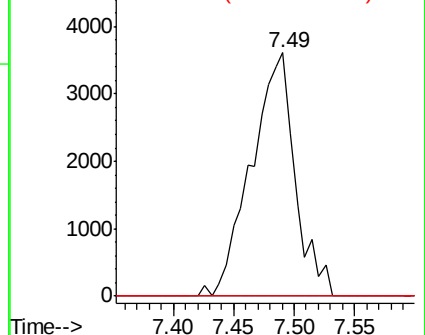
43 100

61 0.0 11.8 17.8#

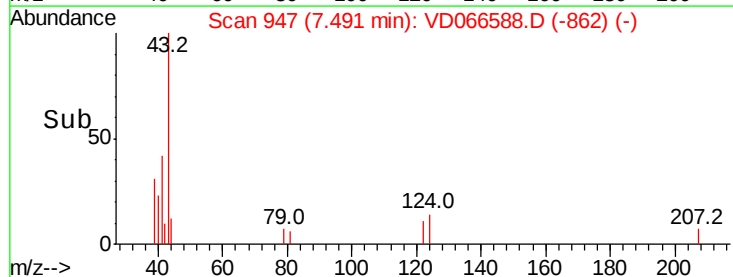
70 0.0 7.9 11.9#

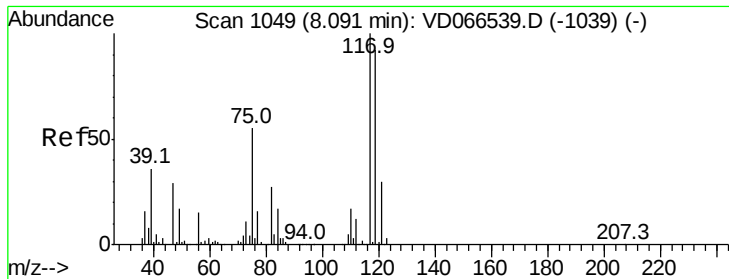


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



Time-->





#38

Carbon Tetrachloride

Concen: 5.617 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

Instrument :

MSVOA_D

ClientSampled :

TP-10

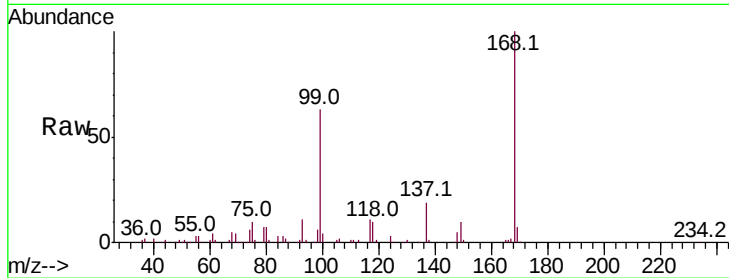
Tot Ion:117 Resp: 39707

Ion Ratio Lower Upper

117 100

119 6.6 73.9 110.9#

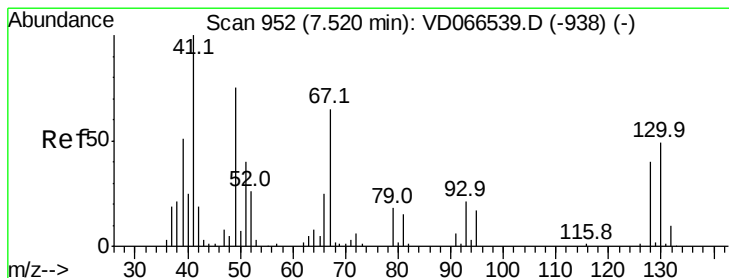
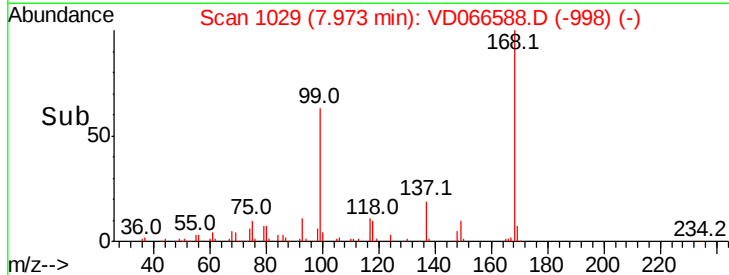
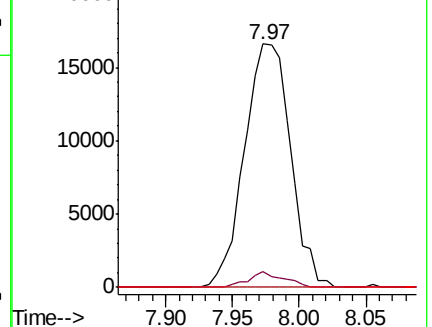
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 4.514 ug/l

RT: 7.47 min Scan# 944

Delta R.T. -0.05 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

Tgt Ion: 41 Resp: 5819

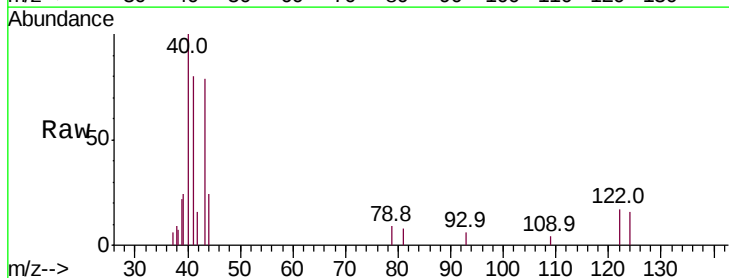
Ion Ratio Lower Upper

41 100

39 53.6 53.6 80.4

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

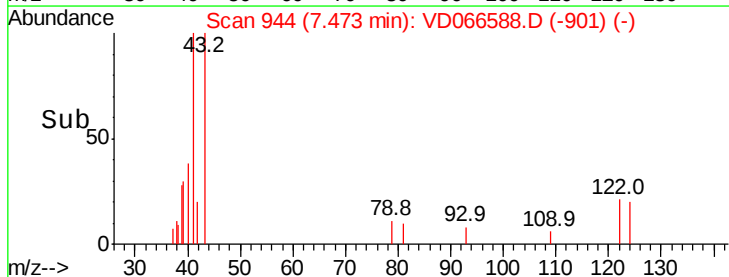
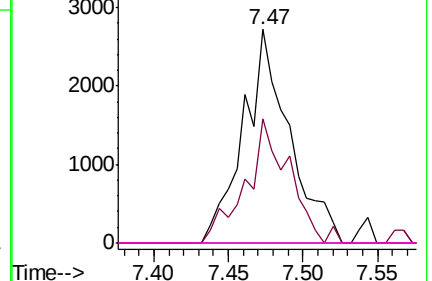


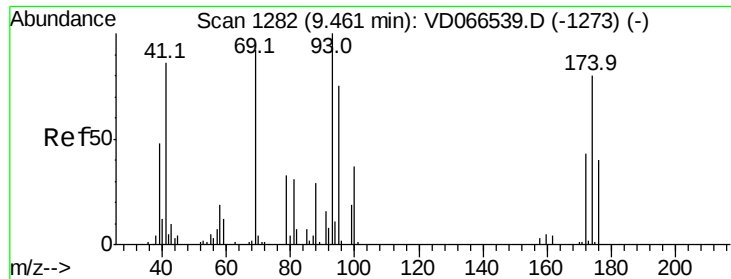
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

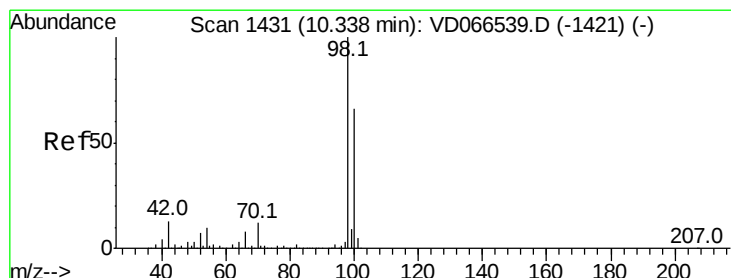
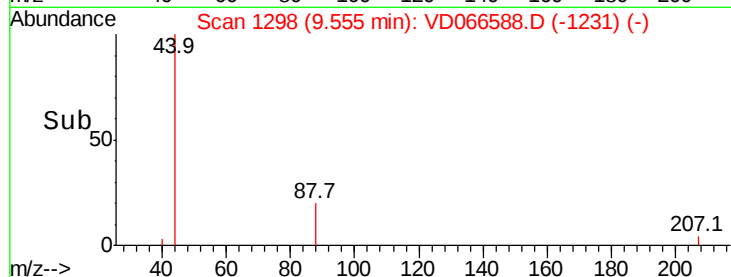
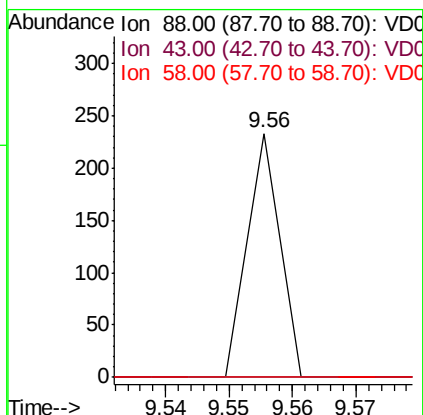
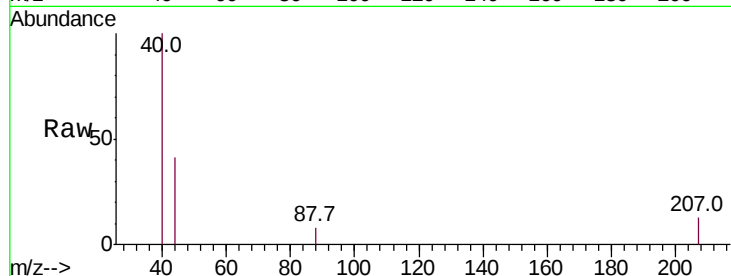




#49
1,4-Dioxane
Concen: 2.941 ug/l
RT: 9.56 min Scan# 1298
Delta R.T. 0.09 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

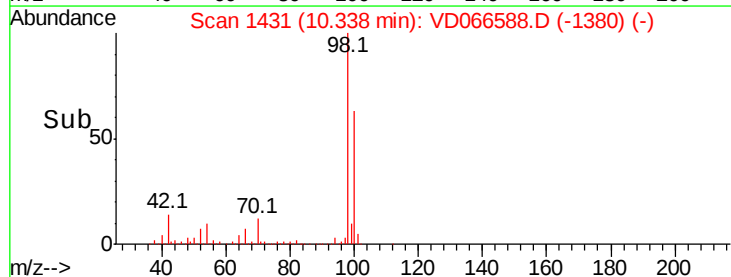
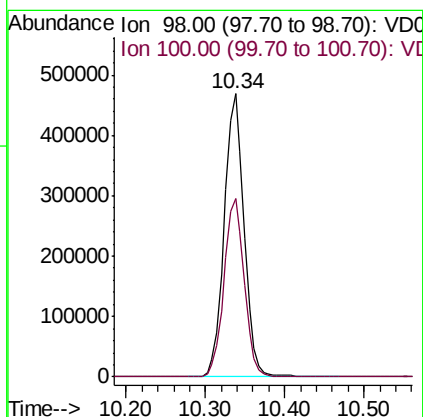
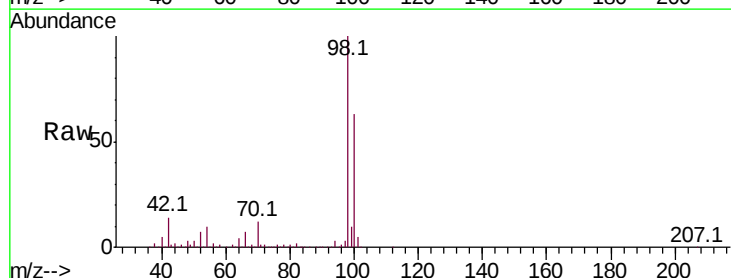
Instrument :
MSVOA_D
ClientSampleId :
TP-10

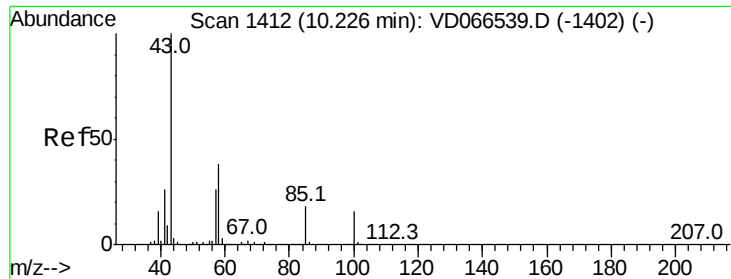
Tot Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 28.3 42.5#
58 0.0 56.1 84.1#



#50
Toluene-d8
Concen: 52.295 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

Tgt Ion: 98 Resp: 810285
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 1.929 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

Instrument :

MSVOA_D

ClientSampled :

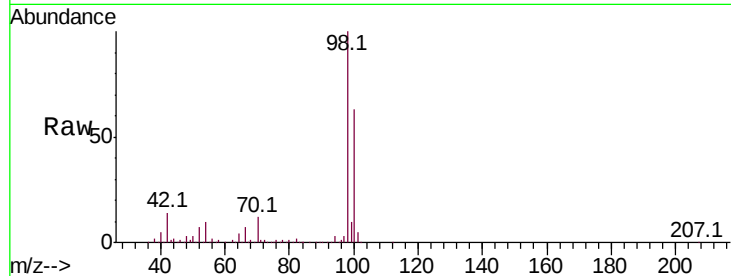
TP-10

Tot Ion: 43 Resp: 4966

Ion Ratio Lower Upper

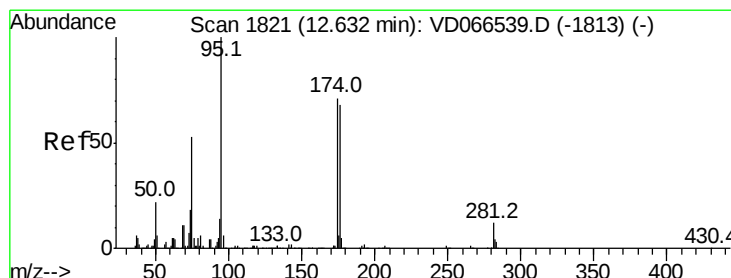
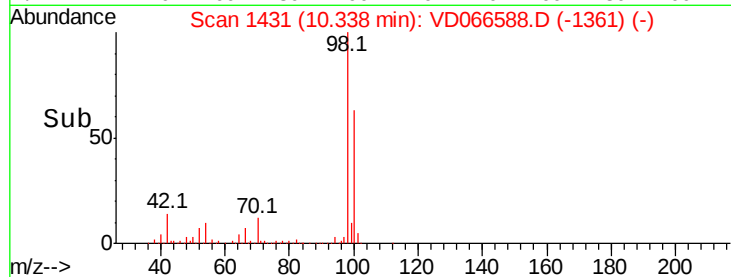
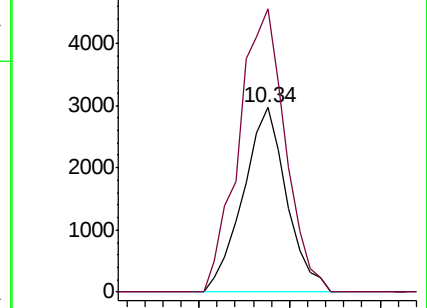
43 100

58 163.7 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 51.126 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

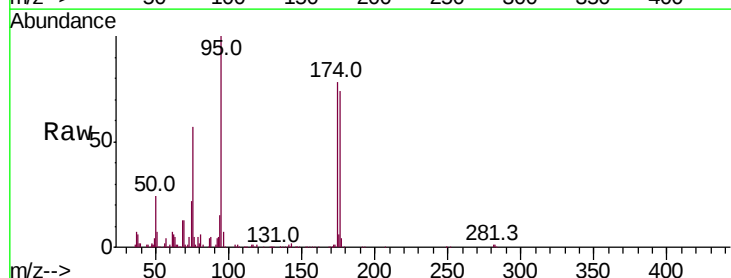
Tgt Ion: 95 Resp: 262676

Ion Ratio Lower Upper

95 100

174 76.9 0.0 155.8

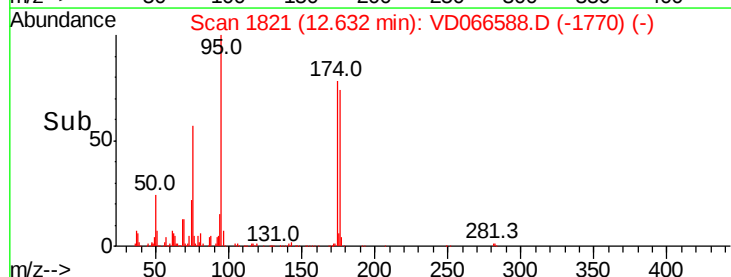
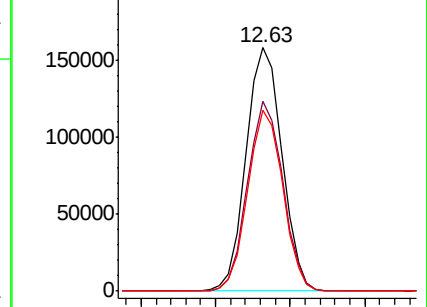
176 72.7 0.0 148.6

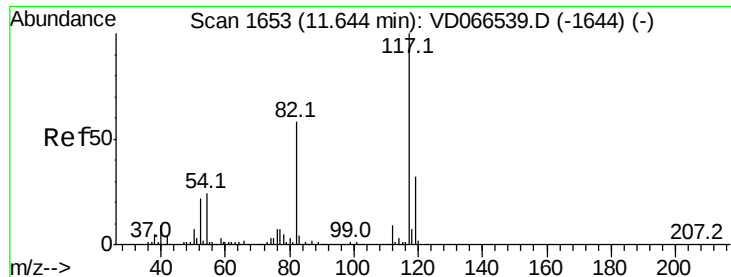


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

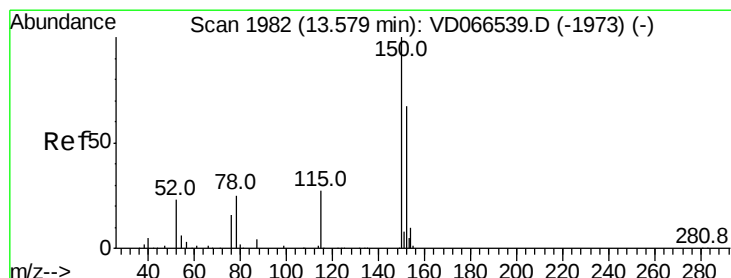
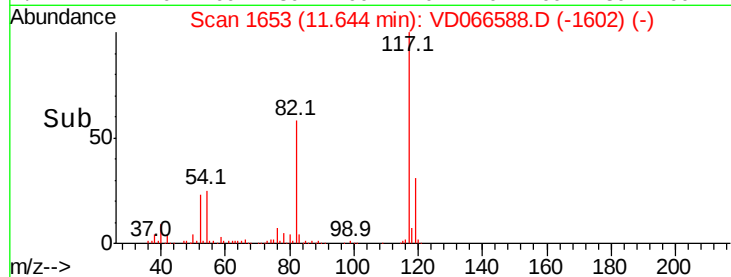
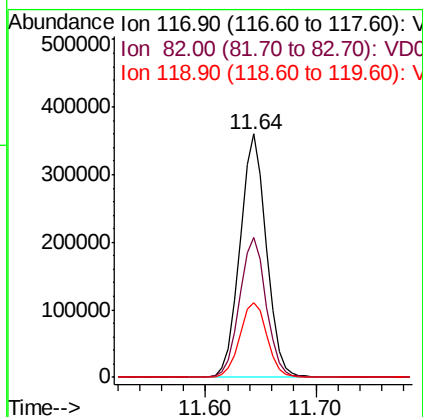
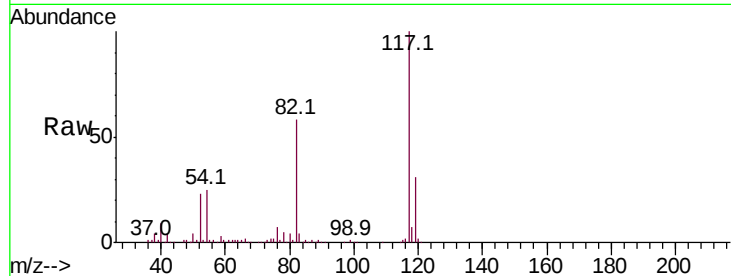




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

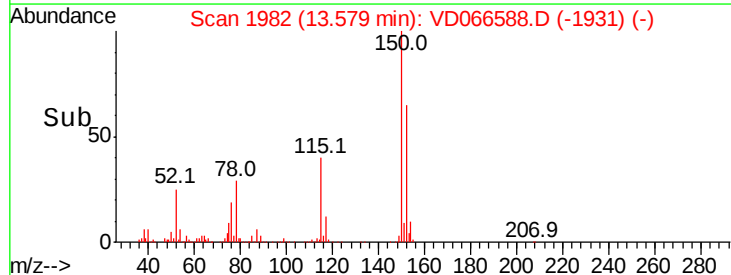
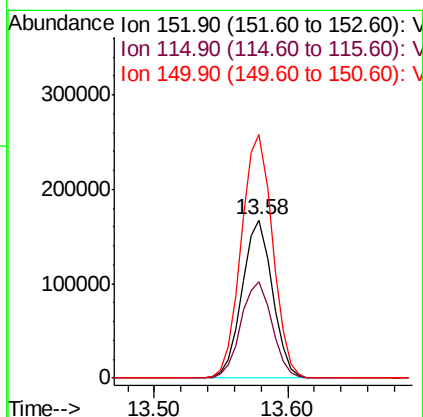
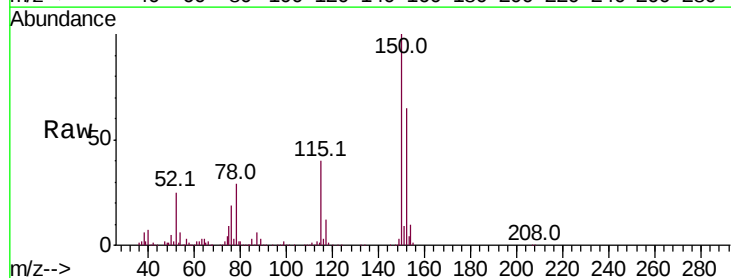
Instrument :
MSVOA_D
ClientSampleId :
TP-10

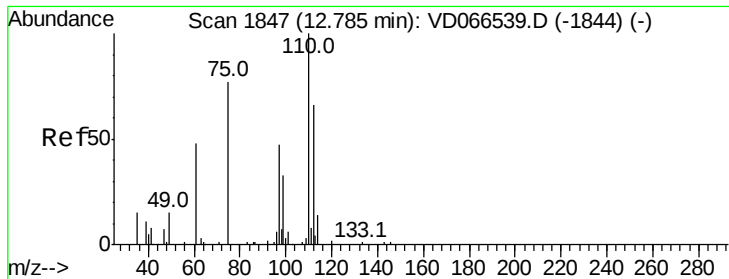
Tot Ion:117 Resp: 605051
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.2
119 30.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066588.D
Acq: 09 Sep 2020 17:32

Tgt Ion:152 Resp: 263540
Ion Ratio Lower Upper
152 100
115 62.6 30.4 91.2
150 158.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 59.308 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

Instrument :

MSVOA_D

ClientSampled :

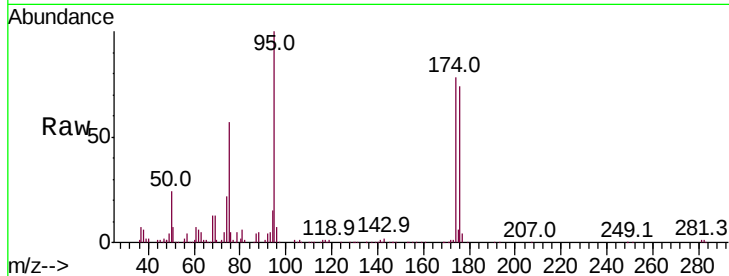
TP-10

Tot Ion: 75 Resp: 150318

Ion Ratio Lower Upper

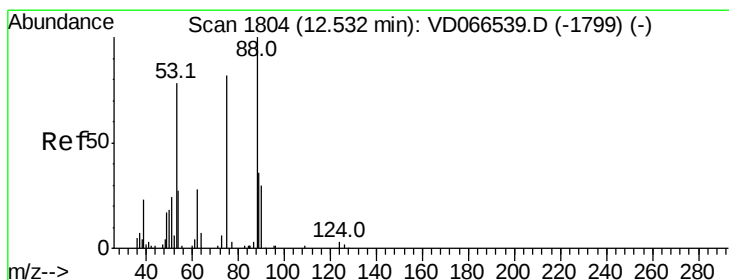
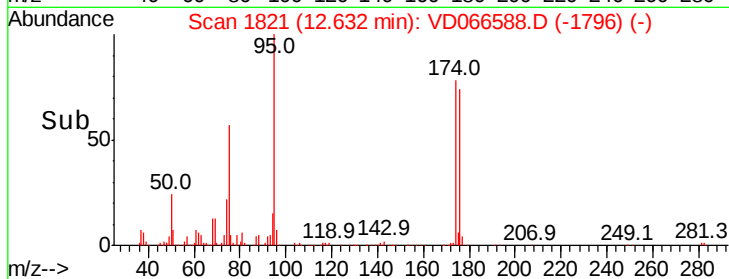
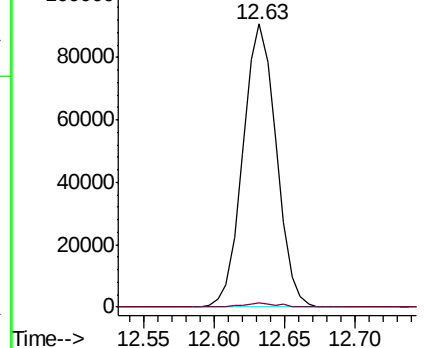
75 100

77 1.4 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: 138.462 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066588.D

Acq: 09 Sep 2020 17:32

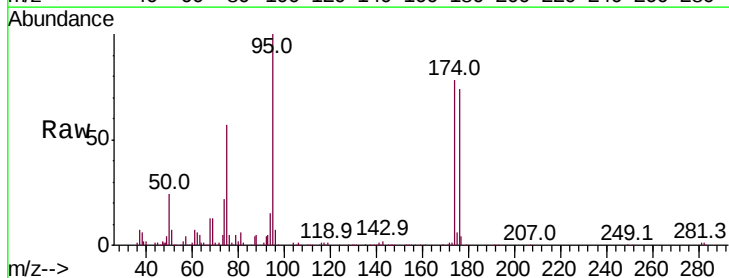
Tgt Ion: 75 Resp: 150318

Ion Ratio Lower Upper

75 100

53 0.1 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

