

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066404.D
 Acq On : 25 Aug 2020 16:06
 Operator : VA/SY
 Sample : L3784-10
 Misc : 5.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-24

Quant Time: Aug 26 08:05:03 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	224671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	339357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159946	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	123308	55.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.96%	
35) Dibromofluoromethane	7.91	113	111008	52.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.62%	
50) Toluene-d8	10.34	98	403269	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.63	95	137661	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	

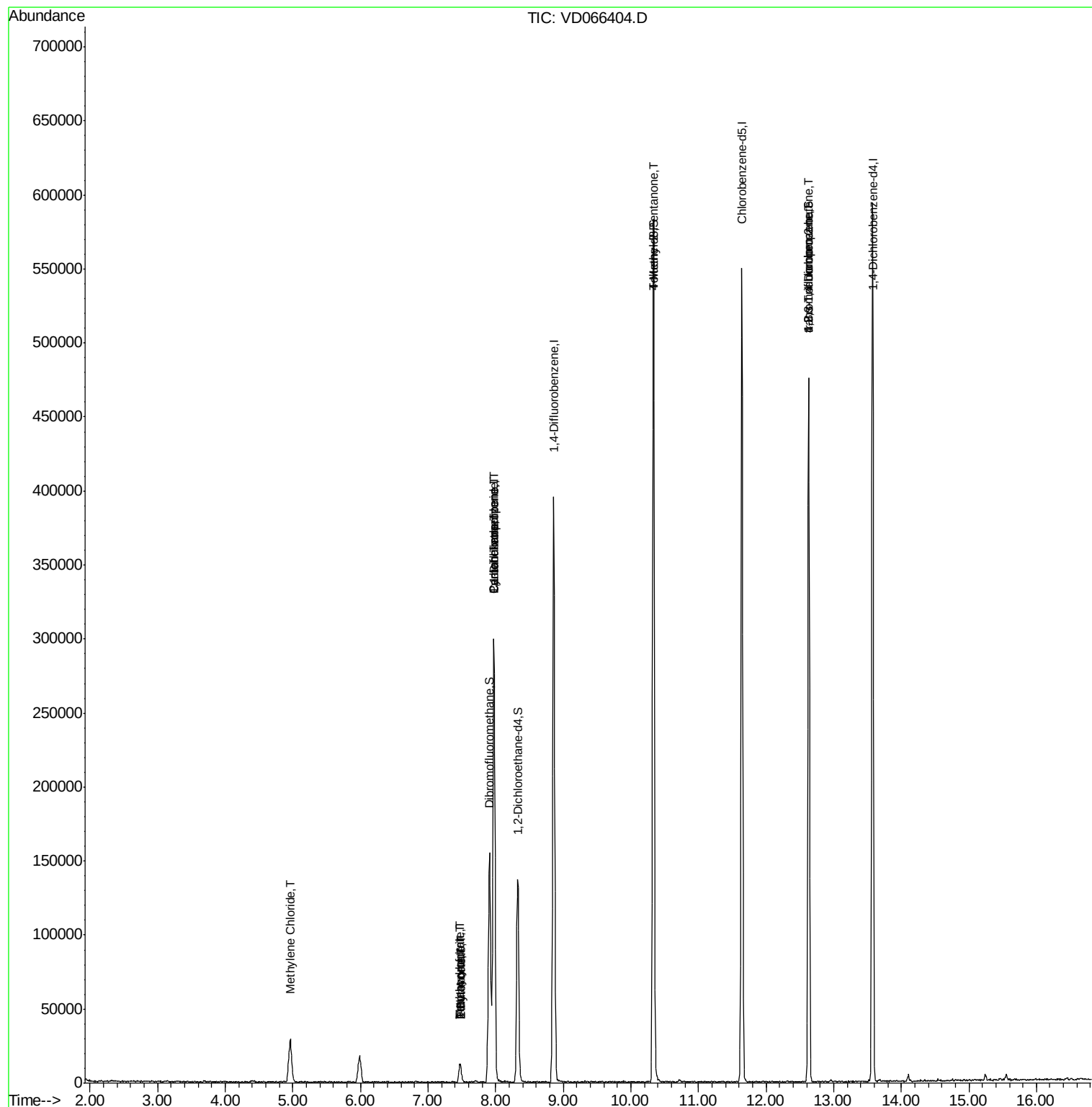
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	21597	4.403	ug/l #	93
25) 2-Butanone	7.48	43	7484	16.601	ug/l #	47
29) Tetrahydrofuran	7.47	42	666	2.601	ug/l #	28
31) Cyclohexane	7.97	56	4524	1.479	ug/l #	29
36) 1,1-Dichloropropene	7.97	75	15552	5.023	ug/l #	53
37) Ethyl Acetate	7.48	43	10067	9.559	ug/l #	67
38) Carbon Tetrachloride	7.97	117	23331	5.783	ug/l #	15
41) Methacrylonitrile	7.47	41	7013	10.798	ug/l #	82
51) 4-Methyl-2-Pentanone	10.33	43	1887	1.845	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	75824	67.385	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	75824	143.038	ug/l #	6

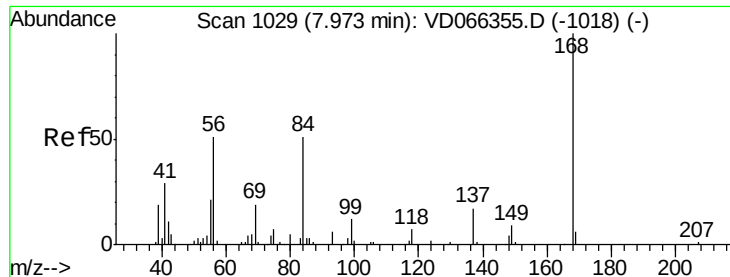
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

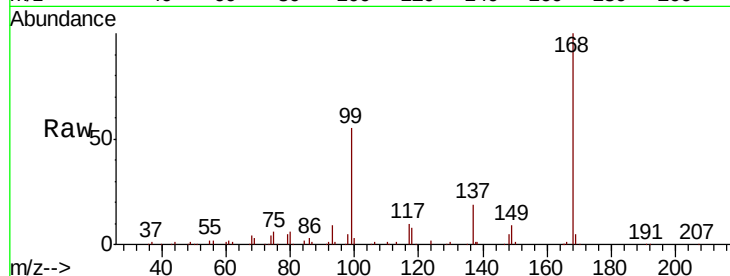
RO-24

Tot Ion:168 Resp: 224671

Ion Ratio Lower Upper

168 100

99 55.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

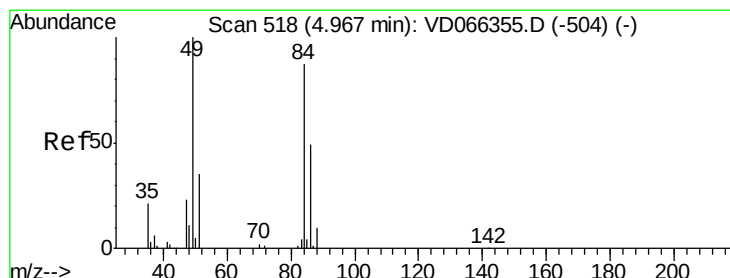
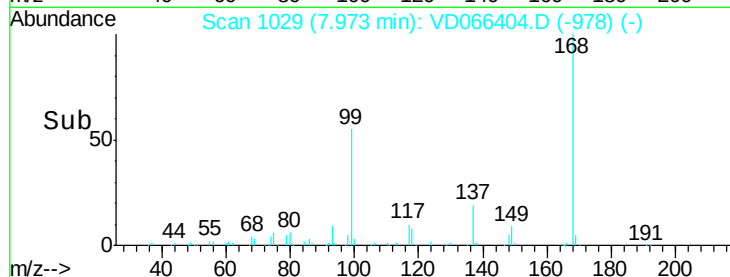
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 4.403 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Tgt Ion: 84 Resp: 21597

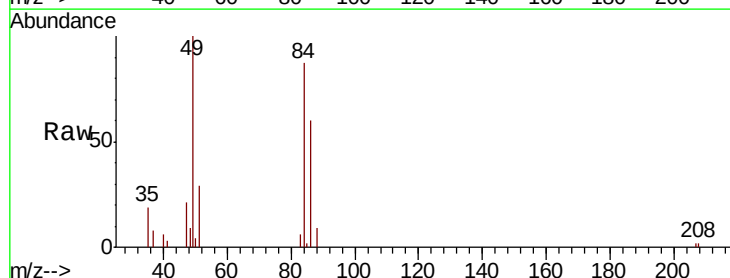
Ion Ratio Lower Upper

84 100

49 115.6 92.5 138.7

51 33.7 32.5 48.7

86 69.4 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

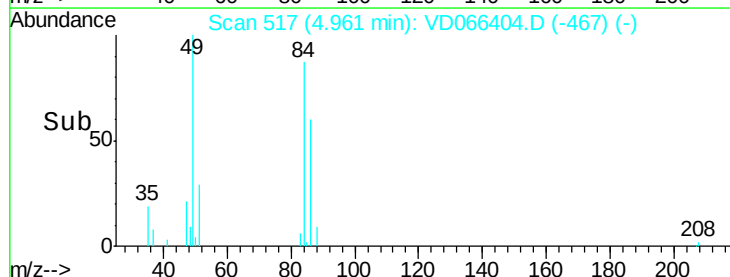
Ion 85.90 (85.60 to 86.60): VDC

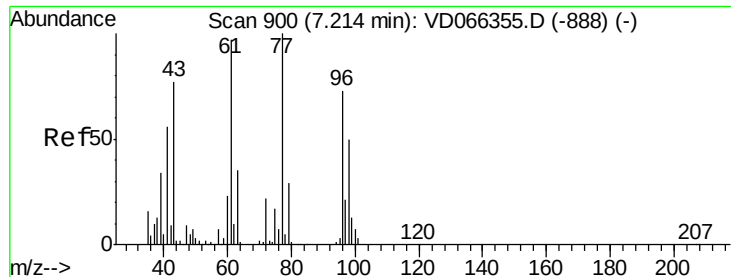
10000

5000

0

Time-->





#25

2-Butanone

Concen: 16.601 ug/l

RT: 7.48 min Scan# 945

Delta R.T. 0.26 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

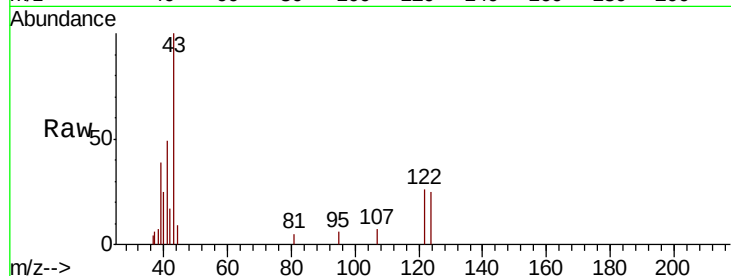
RO-24

Tot Ion: 43 Resp: 7484

Ion Ratio Lower Upper

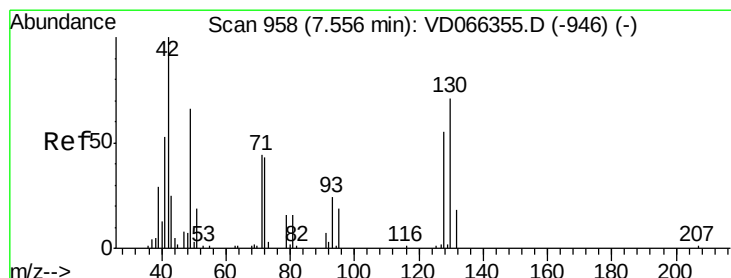
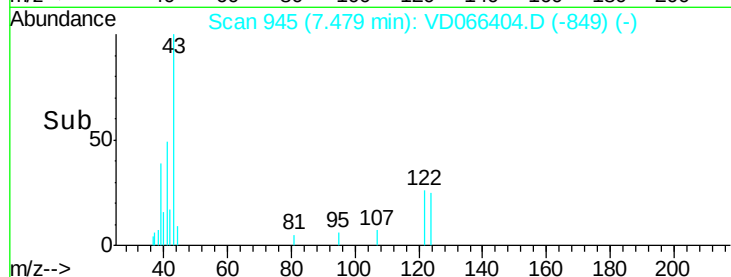
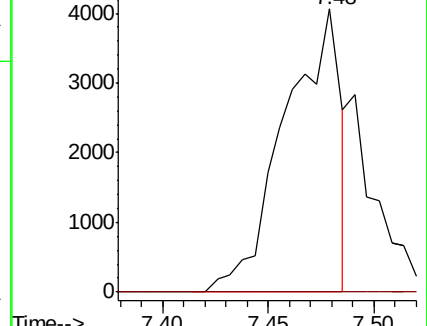
43 100

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



#29

Tetrahydrofuran

Concen: 2.601 ug/l

RT: 7.47 min Scan# 943

Delta R.T. -0.09 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

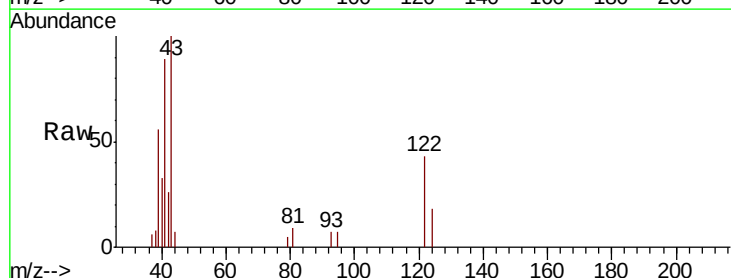
Tgt Ion: 42 Resp: 666

Ion Ratio Lower Upper

42 100

72 0.0 41.0 61.4#

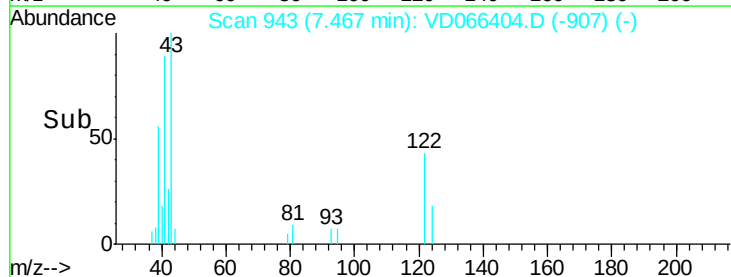
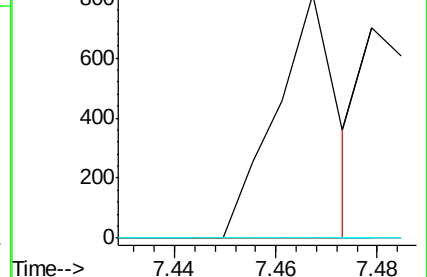
71 0.0 37.2 55.8#

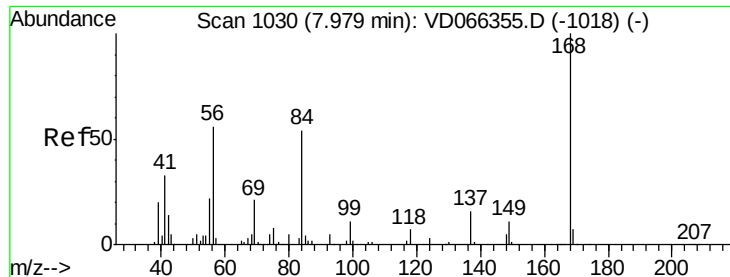


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

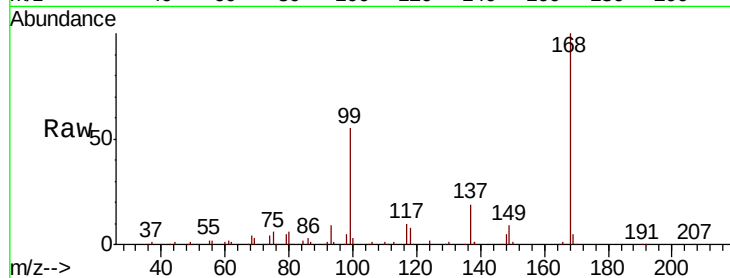




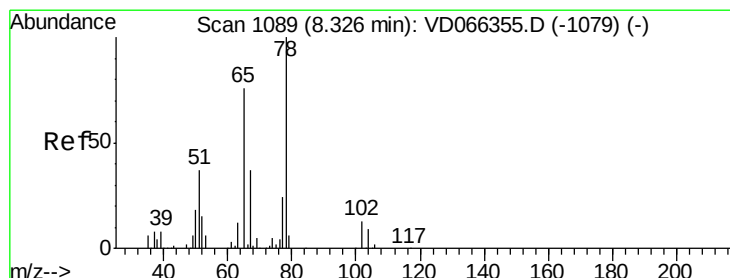
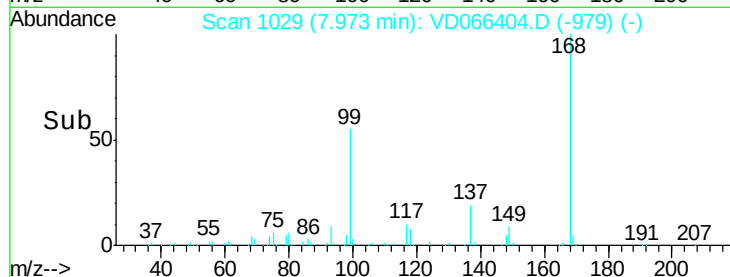
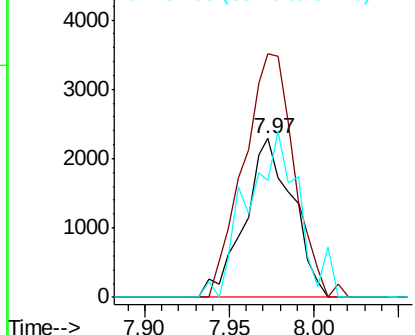
#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066404.D
Acq: 25 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
RO-24

Tot Ion: 56 Resp: 4524
Ion Ratio Lower Upper
56 100
69 153.5 29.6 44.4#
84 73.5 76.6 115.0#

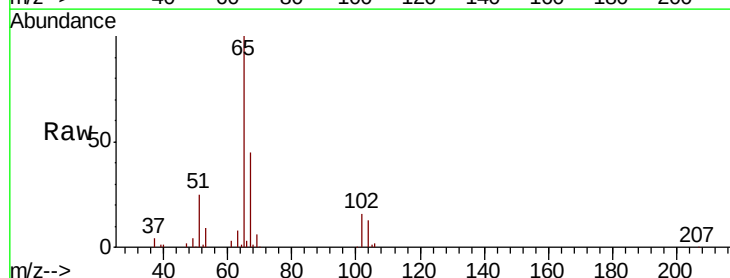


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

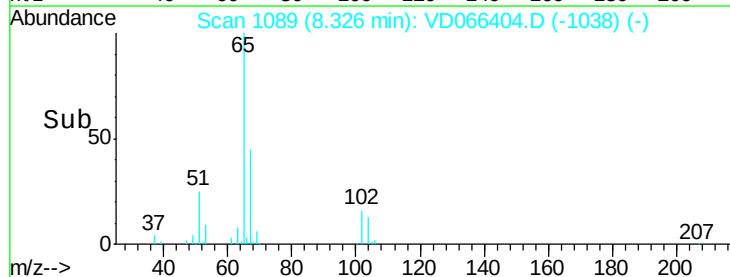
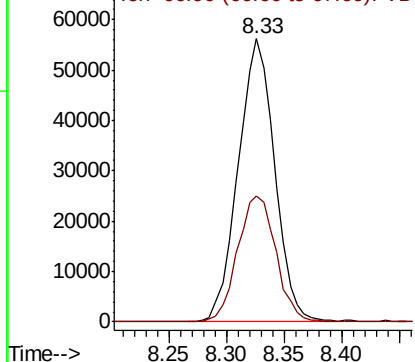


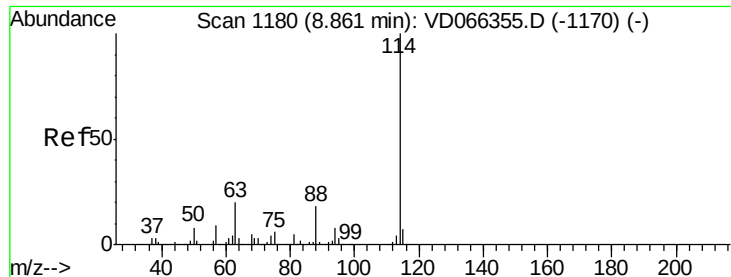
#33
1,2-Dichloroethane-d4
Concen: 55.981 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066404.D
Acq: 25 Aug 2020 16:06

Tgt Ion: 65 Resp: 123308
Ion Ratio Lower Upper
65 100
67 46.8 0.0 101.6



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

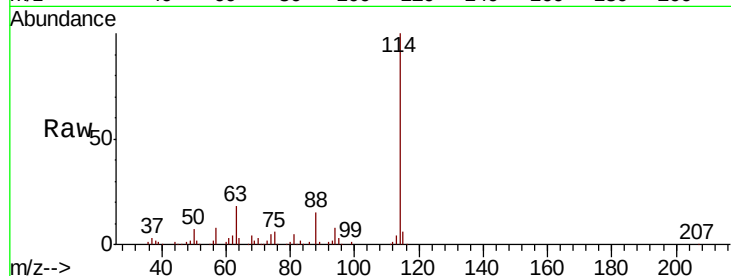




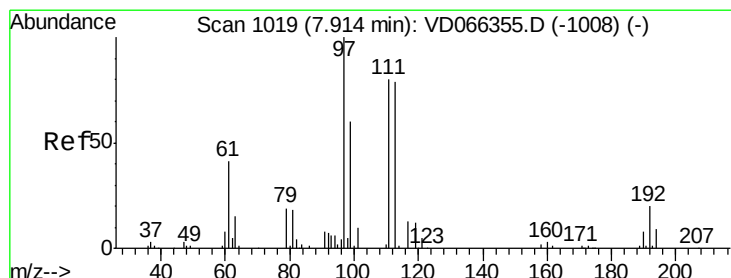
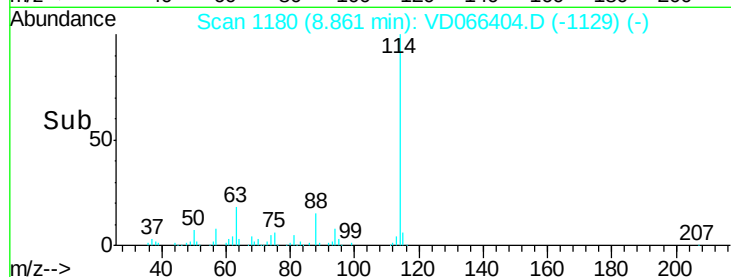
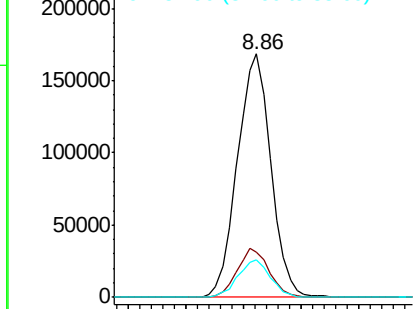
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066404.D
 Acq: 25 Aug 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-24

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	40.8
88	15.2	0.0	35.4

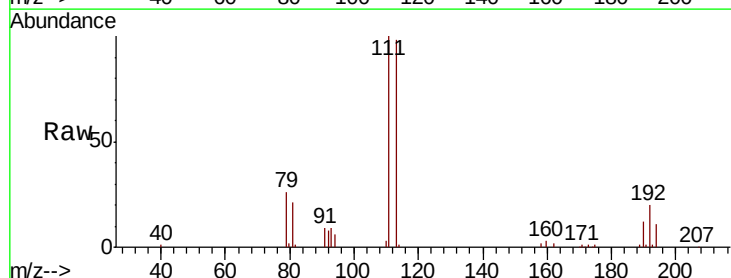


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

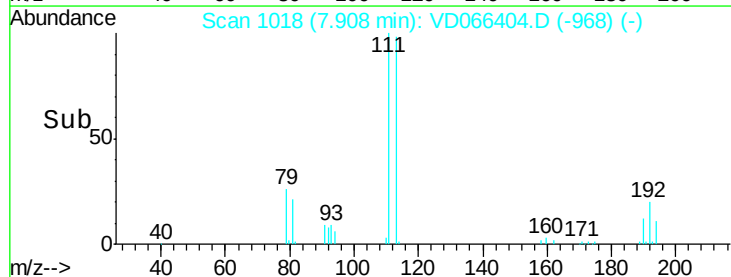
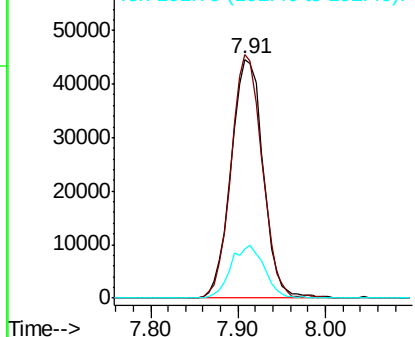


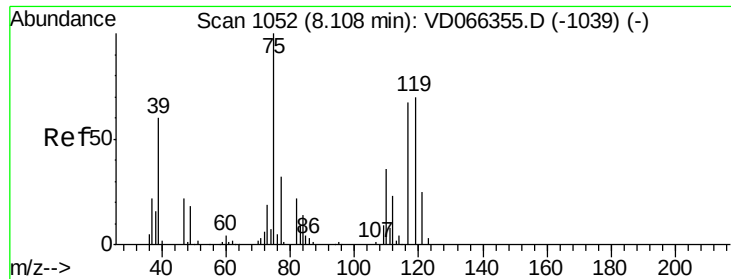
#35
 Dibromofluoromethane
 Concen: 52.312 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066404.D
 Acq: 25 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.1	80.3	120.5
192	22.8	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: 5.023 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

RO-24

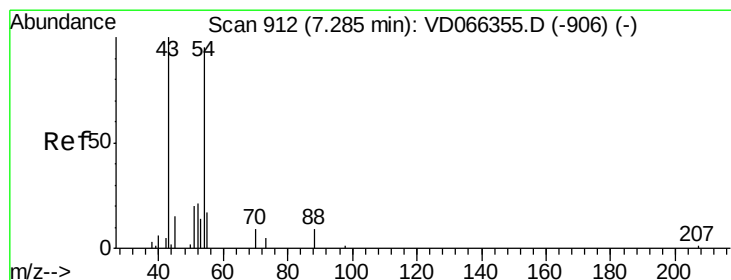
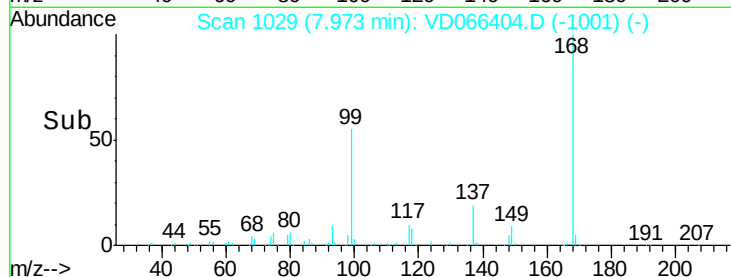
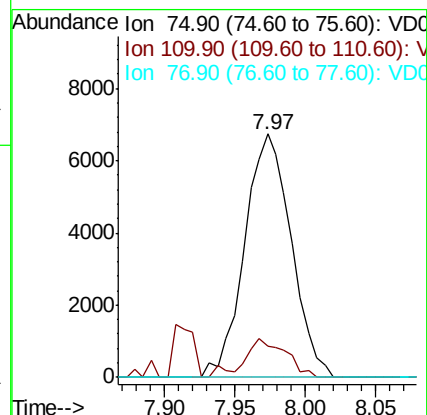
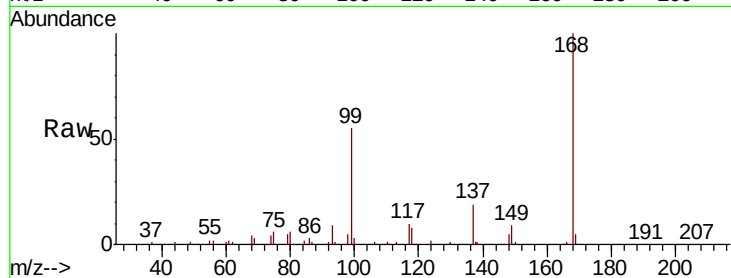
Tot Ion: 75 Resp: 15552

Ion Ratio Lower Upper

75 100

110 14.4 18.7 56.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 9.559 ug/l

RT: 7.48 min Scan# 945

Delta R.T. 0.19 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

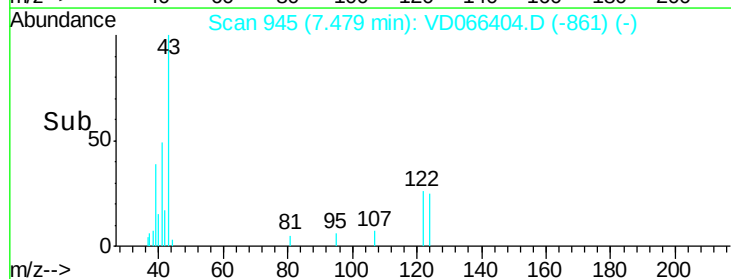
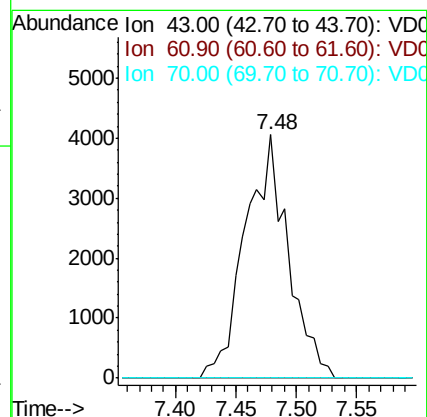
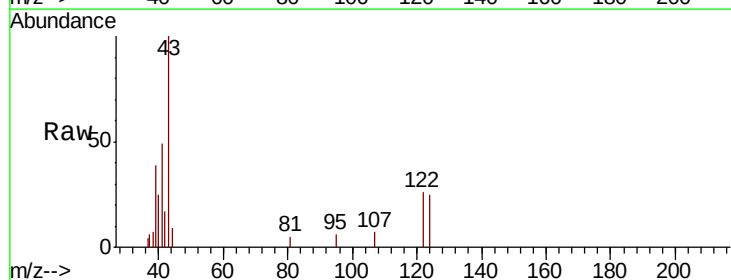
Tgt Ion: 43 Resp: 10067

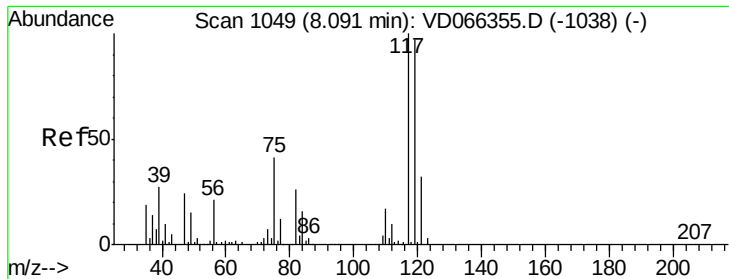
Ion Ratio Lower Upper

43 100

61 0.0 13.3 19.9#

70 0.0 3.5 5.3#





#38

Carbon Tetrachloride

Concen: 5.783 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampled :

RO-24

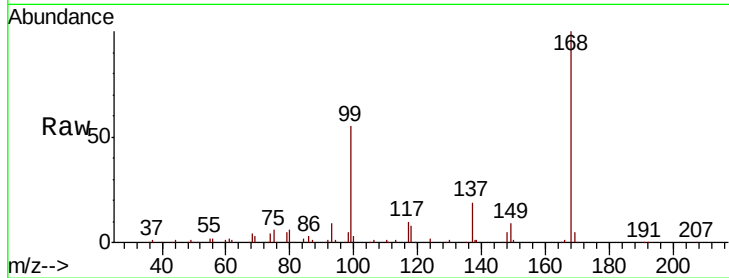
Tot Ion:117 Resp: 23331

Ion Ratio Lower Upper

117 100

119 3.9 77.2 115.8#

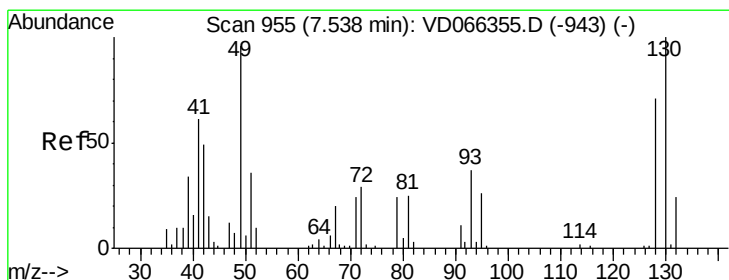
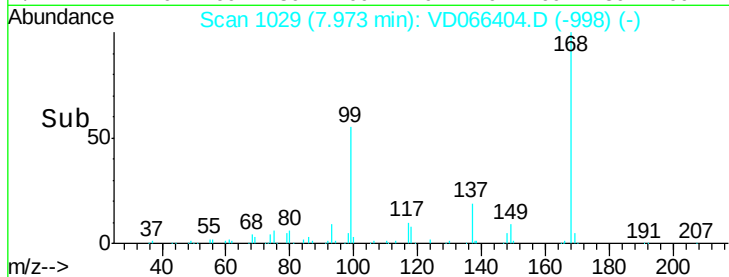
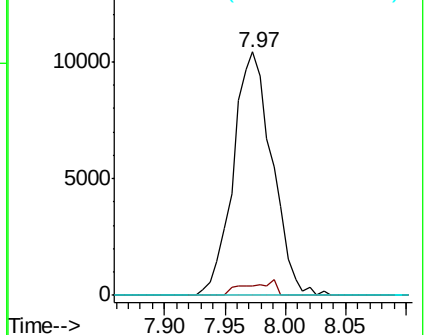
121 0.0 25.8 38.8#



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



#41

Methacrylonitrile

Concen: 10.798 ug/l

RT: 7.47 min Scan# 943

Delta R.T. -0.07 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Tgt Ion: 41 Resp: 7013

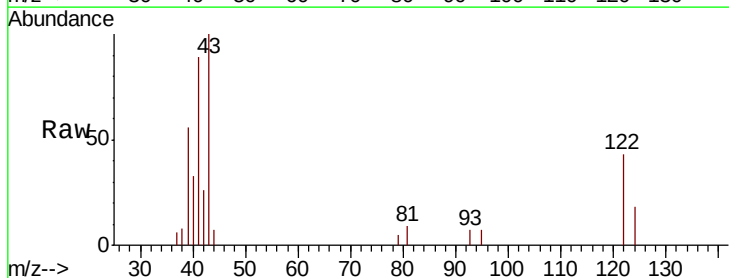
Ion Ratio Lower Upper

41 100

39 50.7 51.8 77.8#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

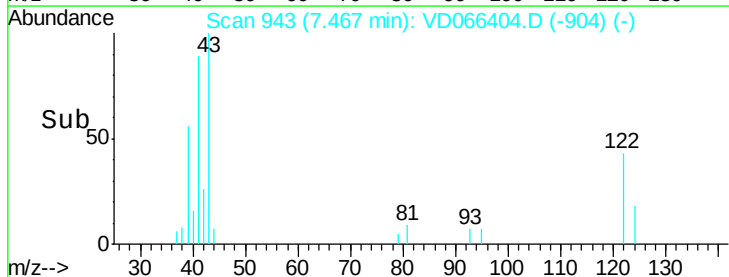
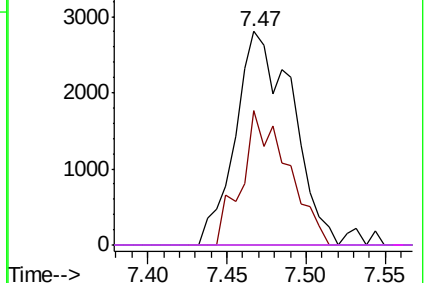


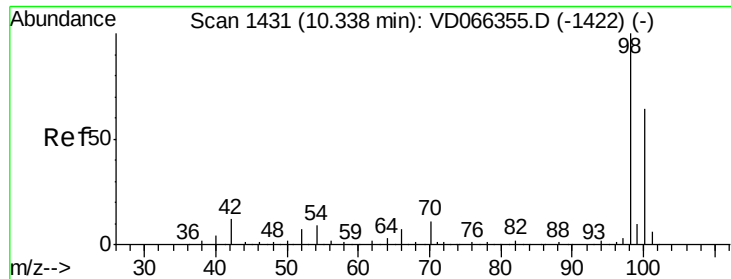
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

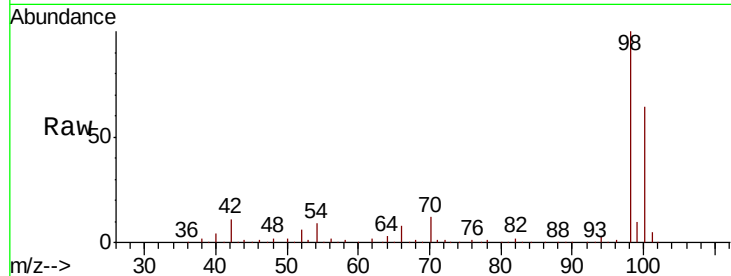




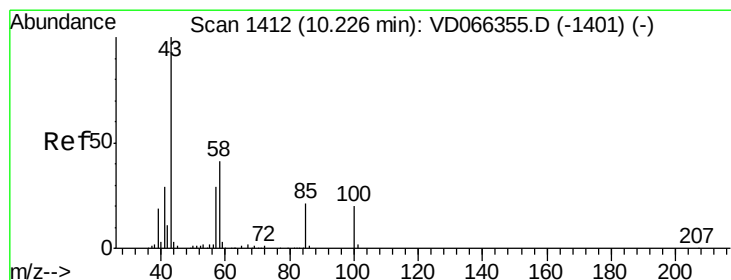
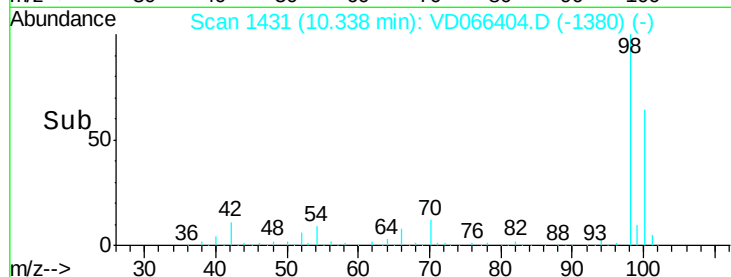
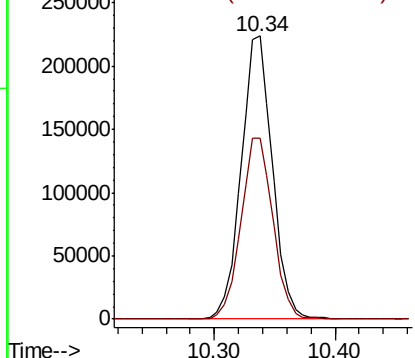
#50
Toluene-d8
Concen: 51.939 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066404.D
Acq: 25 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
RO-24

Tot Ion: 98 Resp: 403269
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

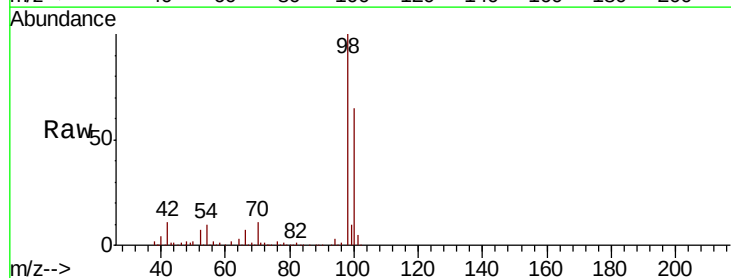


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

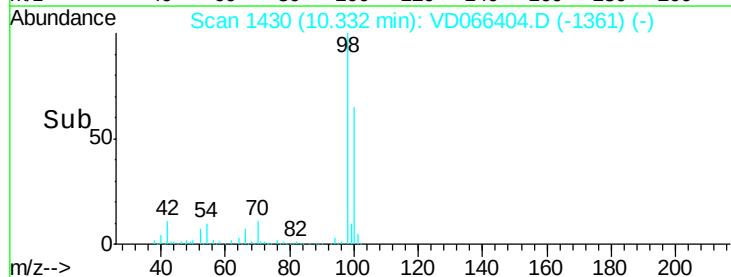
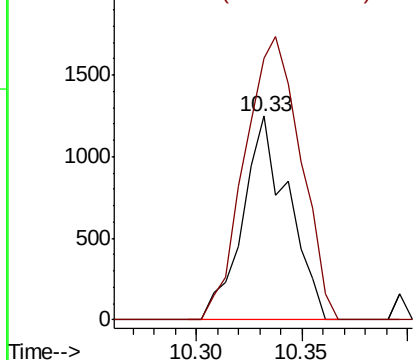


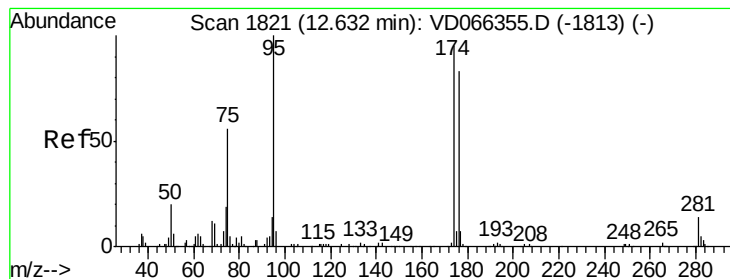
#51
4-Methyl-2-Pentanone
Concen: 1.845 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066404.D
Acq: 25 Aug 2020 16:06

Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
58 169.2 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 49.966 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampled :

RO-24

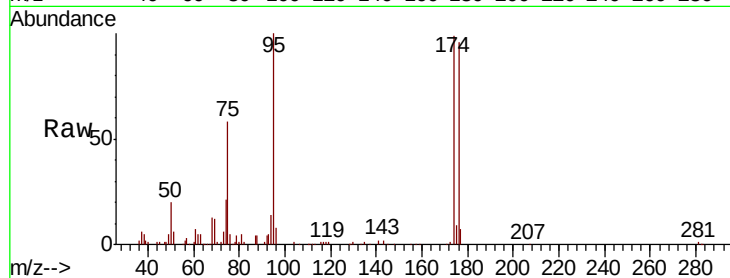
Tot Ion: 95 Resp: 137661

Ion Ratio Lower Upper

95 100

174 96.9 0.0 183.4

176 91.3 0.0 173.8



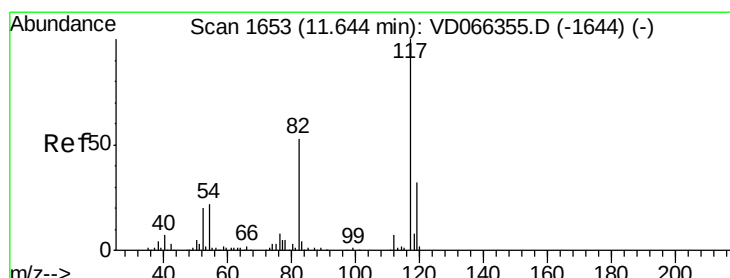
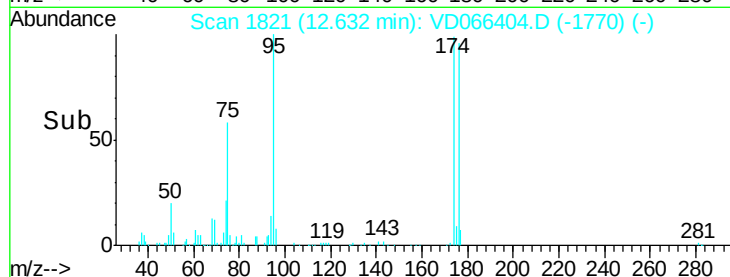
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

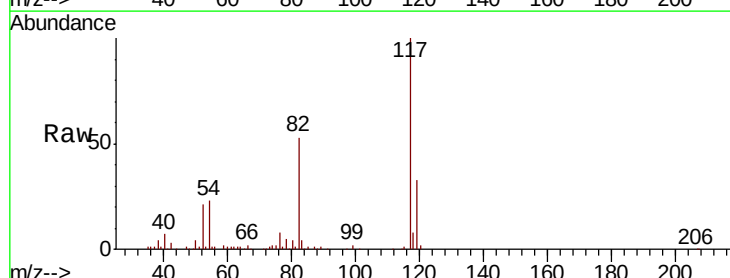
Tgt Ion: 117 Resp: 312365

Ion Ratio Lower Upper

117 100

82 52.8 42.8 64.2

119 33.0 25.8 38.8



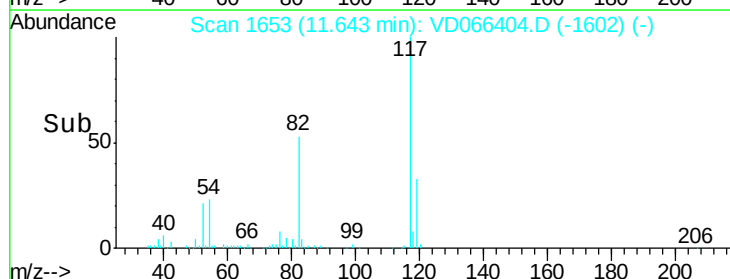
Abundance Ion 116.90 (116.60 to 117.60): V

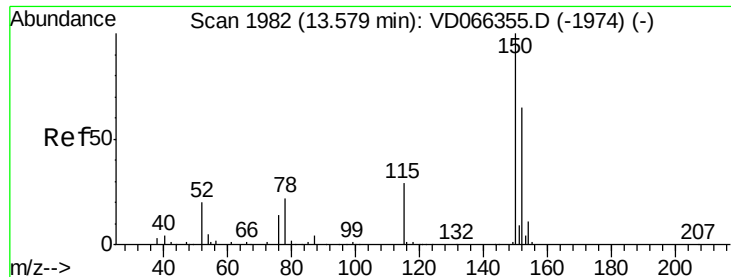
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

RO-24

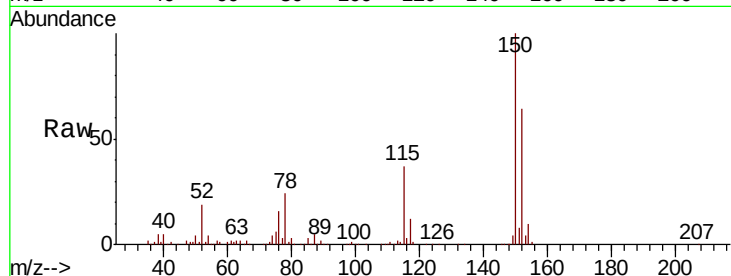
Tot Ion:152 Resp: 159946

Ion Ratio Lower Upper

152 100

115 56.6 28.3 85.0

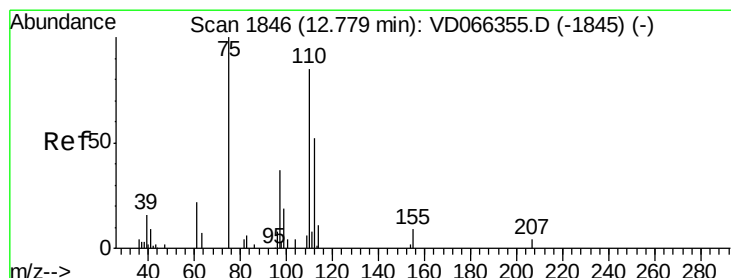
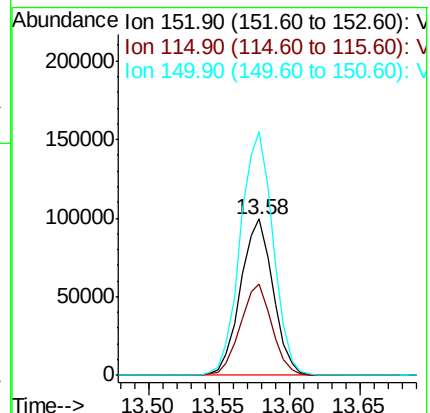
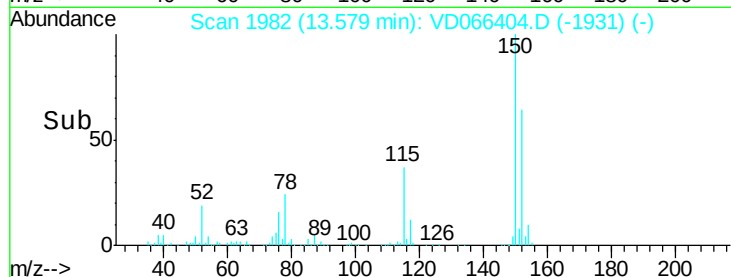
150 157.1 0.0 343.2



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: 67.385 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066404.D

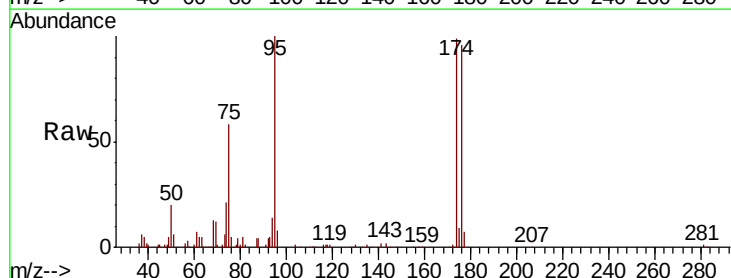
Acq: 25 Aug 2020 16:06

Tgt Ion: 75 Resp: 75824

Ion Ratio Lower Upper

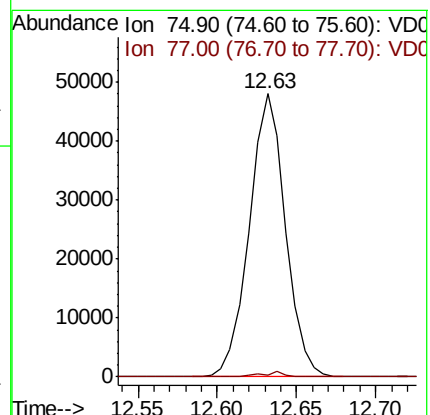
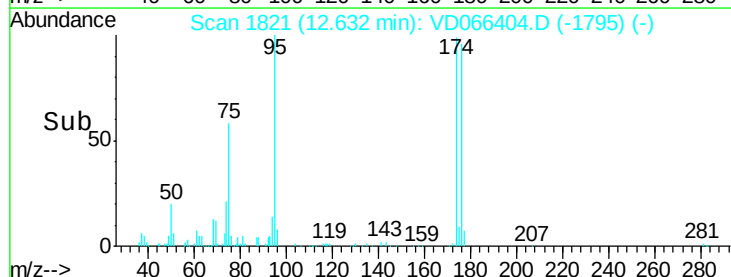
75 100

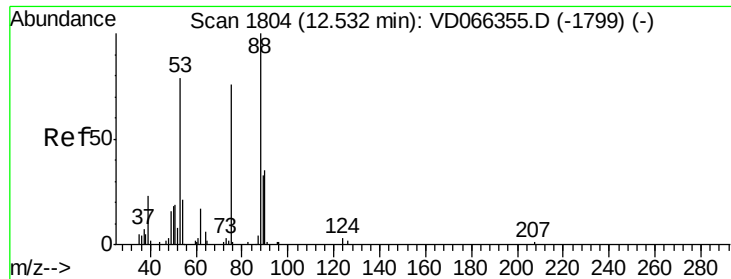
77 1.2 182.9 548.9#



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: 143.038 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066404.D

Acq: 25 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

RO-24

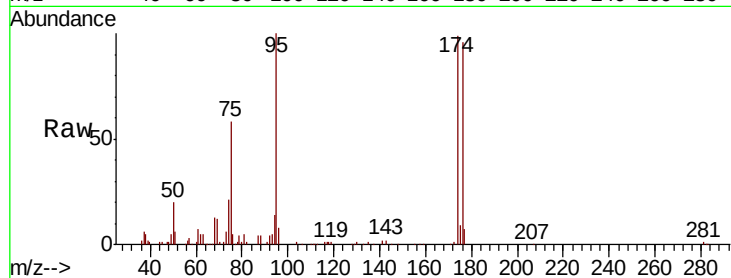
Tot Ion: 75 Resp: 75824

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

