

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066267.D
 Acq On : 17 Aug 2020 19:32
 Operator : VA/SY
 Sample : L3691-03RE
 Misc : 8.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S604-M-SO-1-1.5-081320RE

Quant Time: Aug 18 07:54:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	293911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	473462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	617669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368083	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	117017	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
35) Dibromofluoromethane	7.91	113	139022	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	10.34	98	596060	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
62) 4-Bromofluorobenzene	12.63	95	316923	79.44	ug/l	0.00
Spiked Amount			Recovery	=	158.88%	

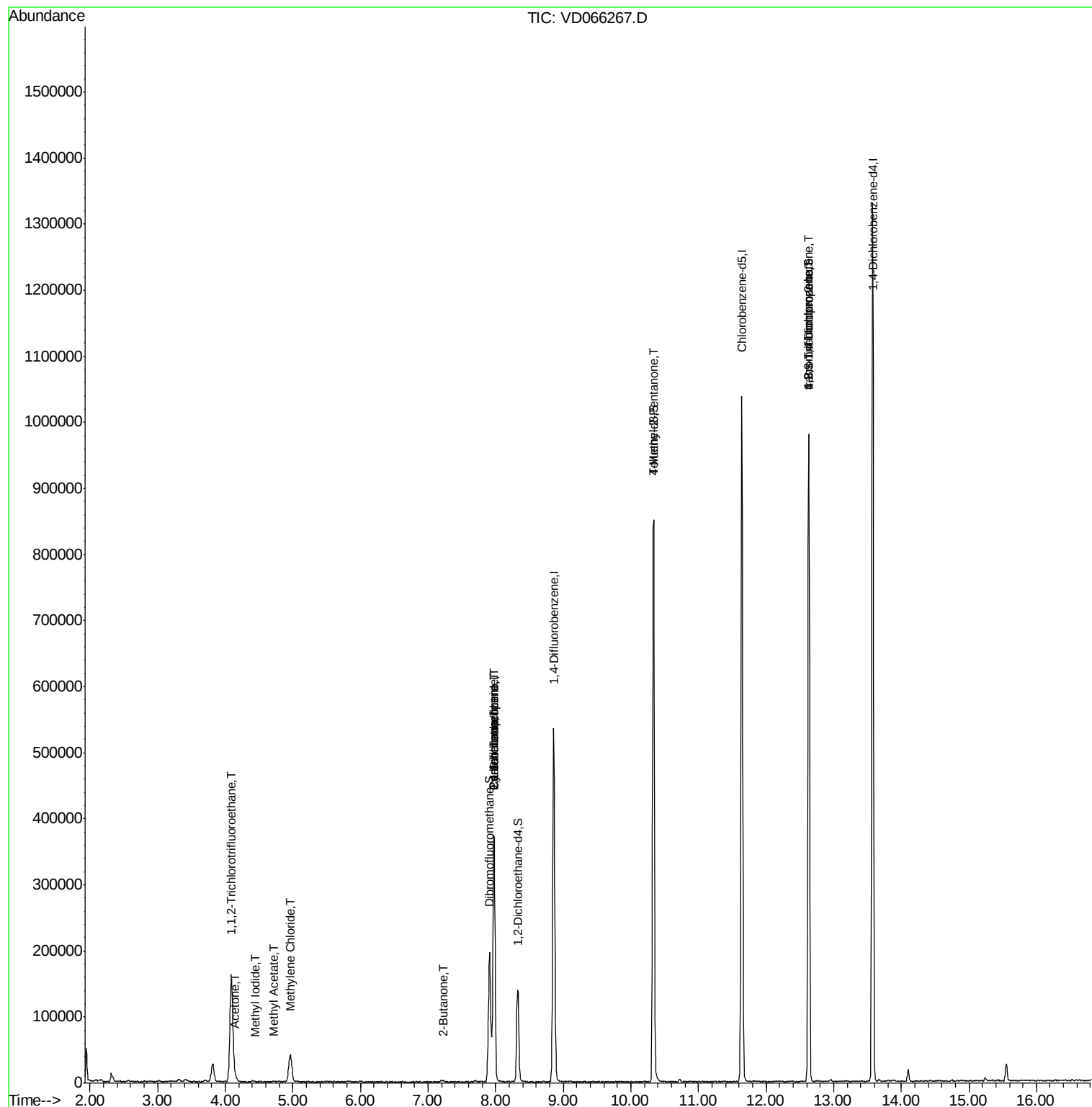
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99630	36.108	ug/l	98
10) Methyl Iodide	4.45	142	65	6.734	ug/l #	39
11) Tert butyl alcohol	5.23	59	125	Below Cal	#	76
16) Acetone	4.15	43	9855	19.808	ug/l #	78
18) Methyl Acetate	4.71	43	2990	2.366	ug/l	91
20) Methylene Chloride	4.95	84	32122	7.254	ug/l #	91
25) 2-Butanone	7.22	43	2671	3.650	ug/l	98
31) Cyclohexane	7.97	56	6116	1.331	ug/l #	36
36) 1,1-Dichloropropene	7.97	75	19186	4.312	ug/l #	52
38) Carbon Tetrachloride	7.97	117	29284	5.902	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	2595	1.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	161373	52.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161373	116.214	ug/l #	13

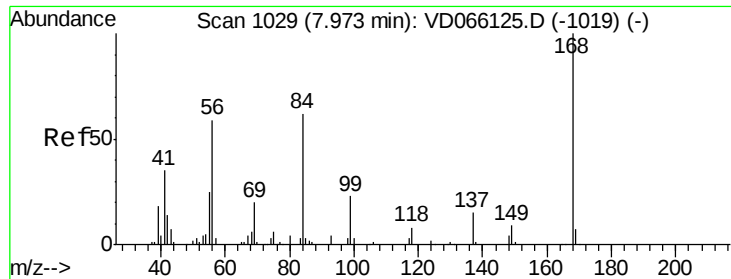
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081720\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 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: VD066267.D

Acq: 17 Aug 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

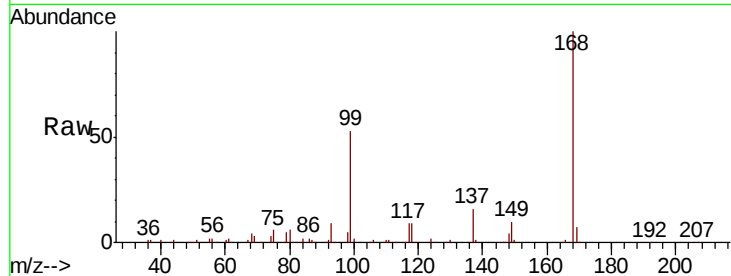
S604-M-SO-1-1.5-081320RE

Tot Ion:168 Resp: 293911

Ion Ratio Lower Upper

168 100

99 53.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

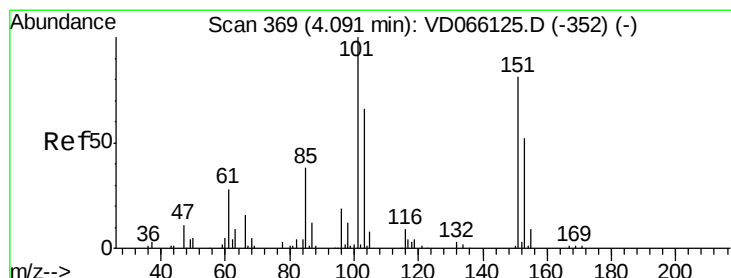
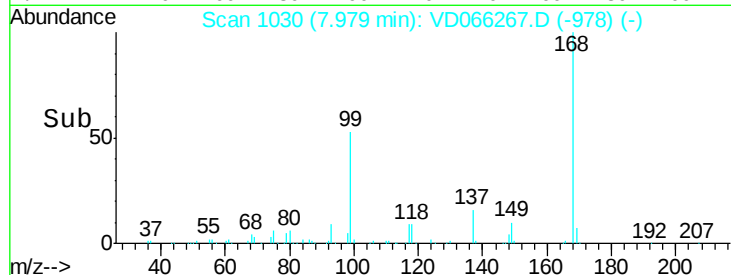
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.108 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066267.D

Acq: 17 Aug 2020 19:32

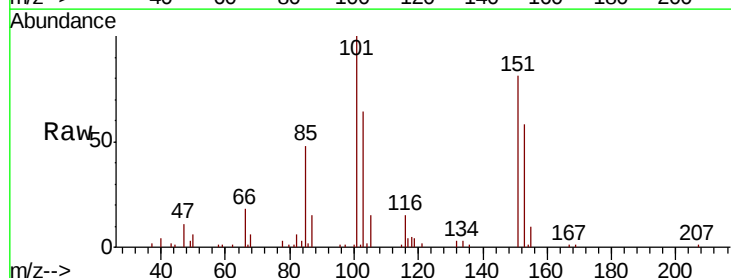
Tgt Ion:101 Resp: 99630

Ion Ratio Lower Upper

101 100

85 44.8 33.5 50.3

151 85.8 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V

4.09

40000

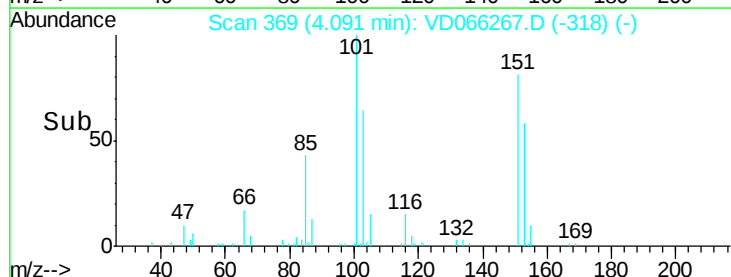
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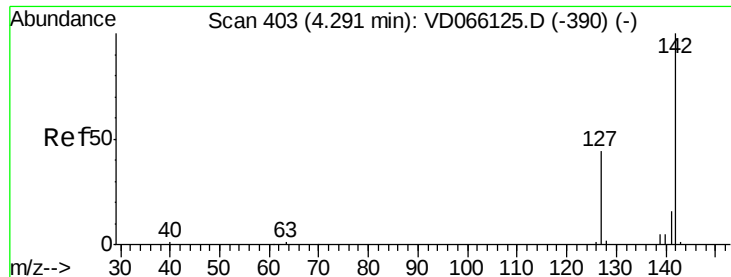
20000

10000

0

Time-->

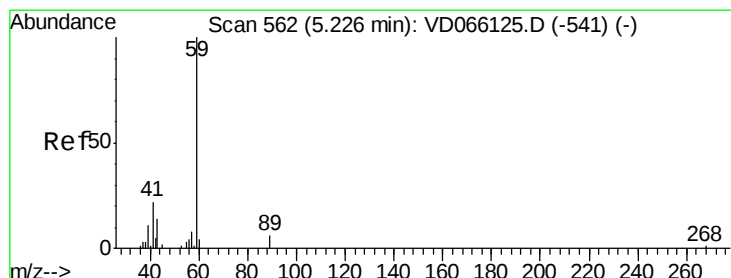
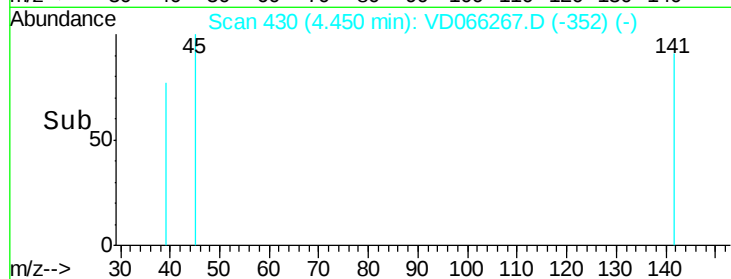
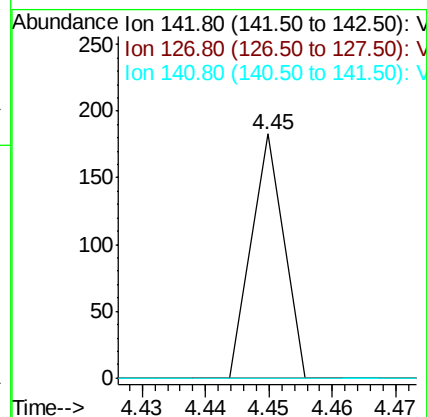
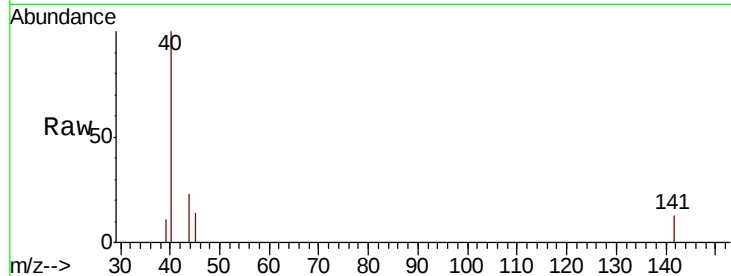




#10
Methyl Iodide
Concen: 6.734 ug/l
RT: 4.45 min Scan# 430
Delta R.T. 0.16 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

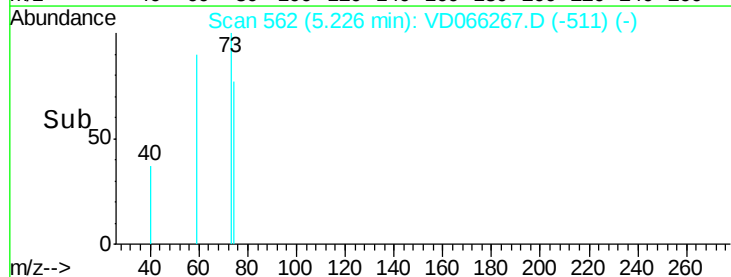
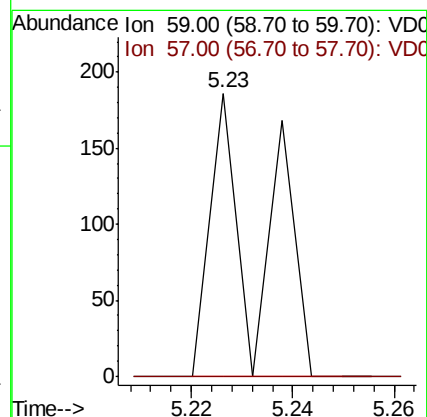
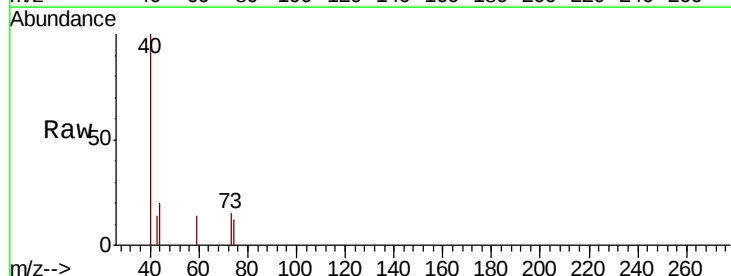
Instrument :
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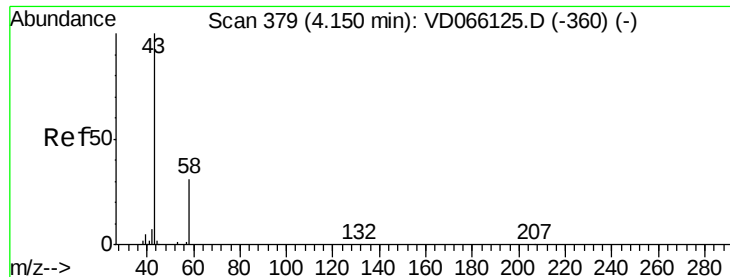
Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 19.808 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066267.D

Acq: 17 Aug 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

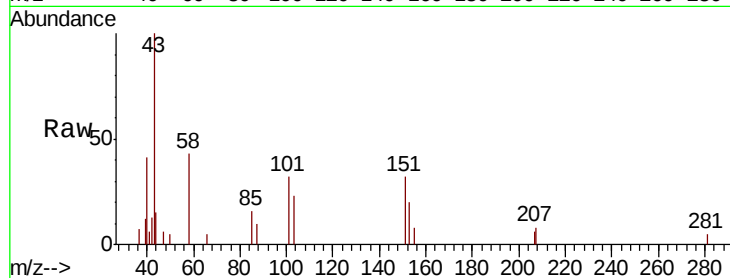
S604-M-SO-1-1.5-081320RE

Tot Ion: 43 Resp: 9855

Ion Ratio Lower Upper

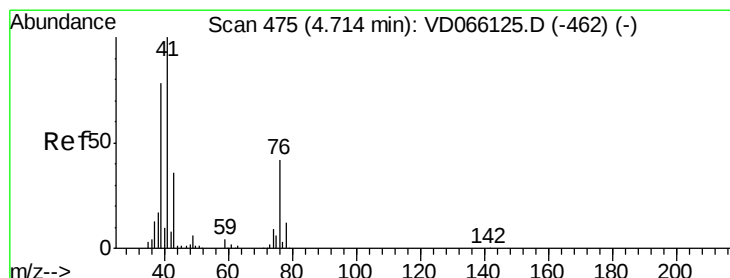
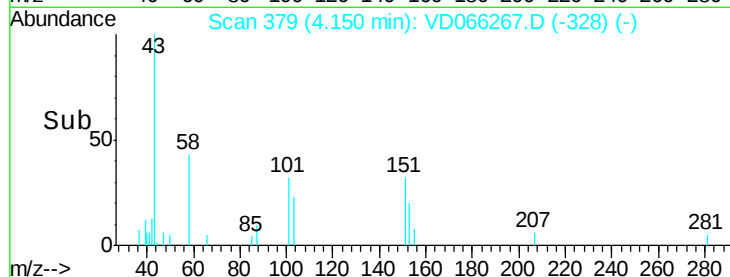
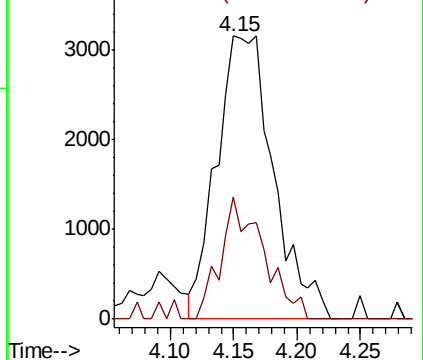
43 100

58 43.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 2.366 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066267.D

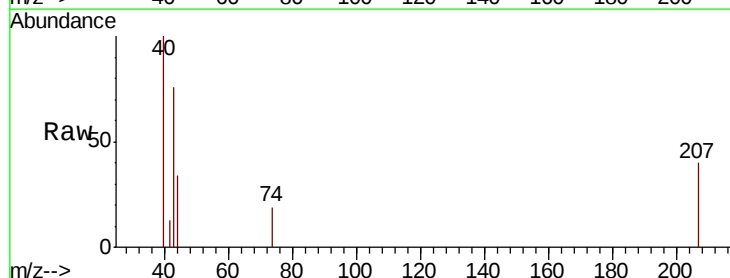
Acq: 17 Aug 2020 19:32

Tgt Ion: 43 Resp: 2990

Ion Ratio Lower Upper

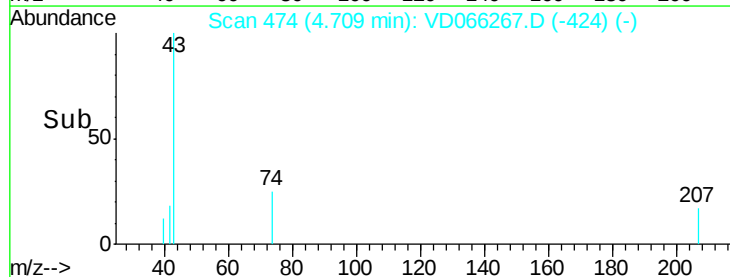
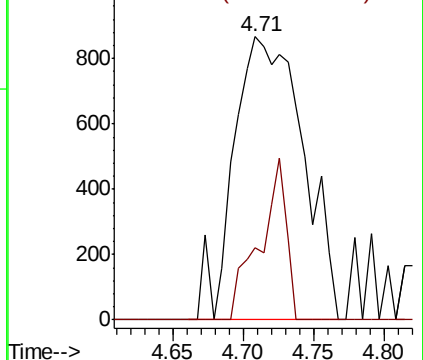
43 100

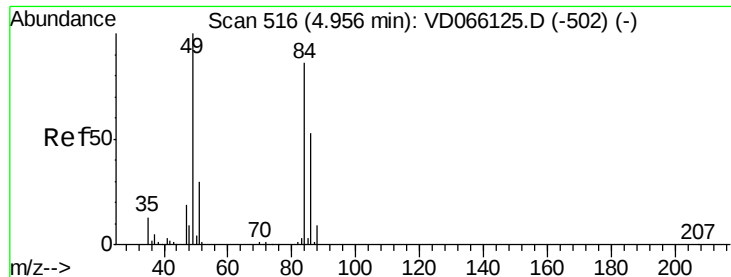
74 22.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

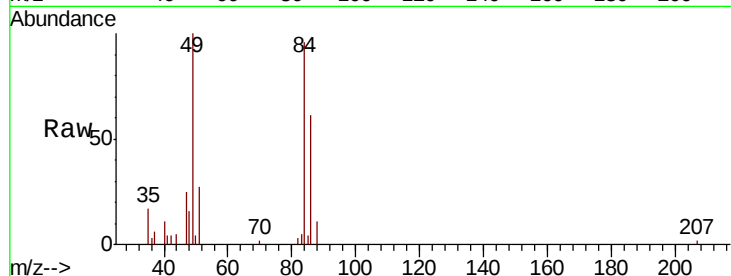




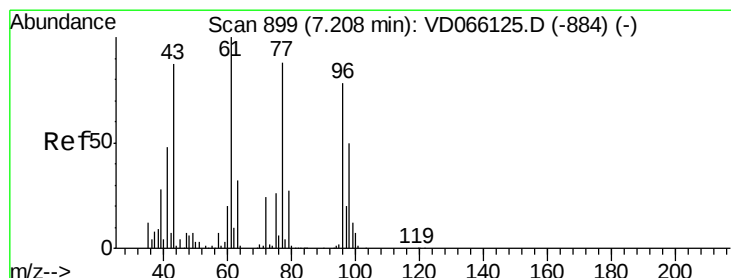
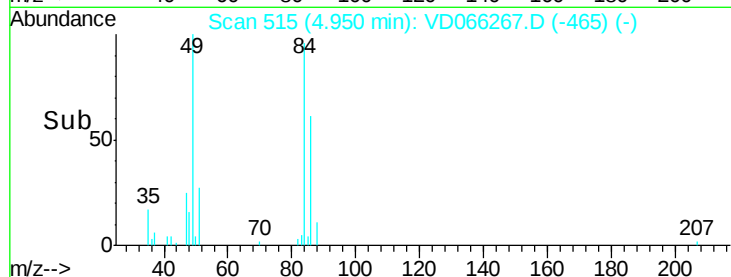
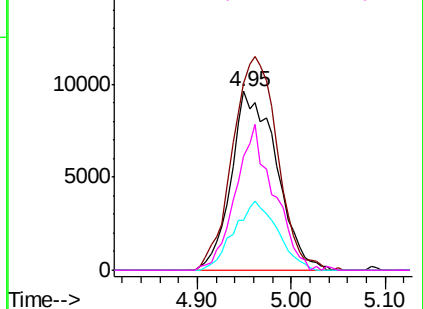
#20
Methvlene Chloride
Concen: 7.254 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
S604-M-SO-1-1.5-081320RE

Tot Ion: 84 Resp: 32122
Ion Ratio Lower Upper
84 100
49 104.5 93.5 140.3
51 28.0 28.2 42.4#
86 63.5 49.5 74.3

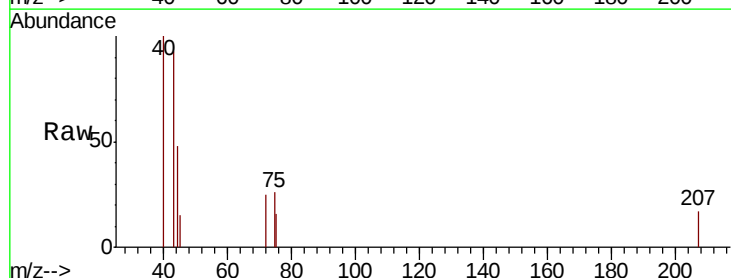


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

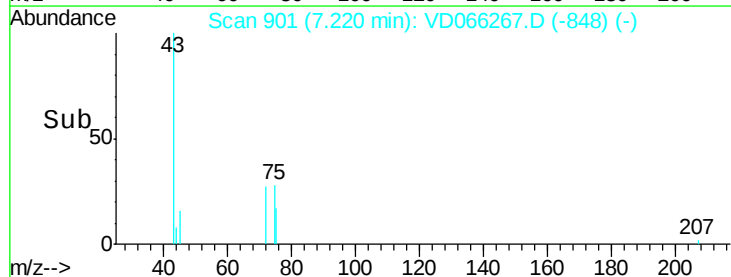
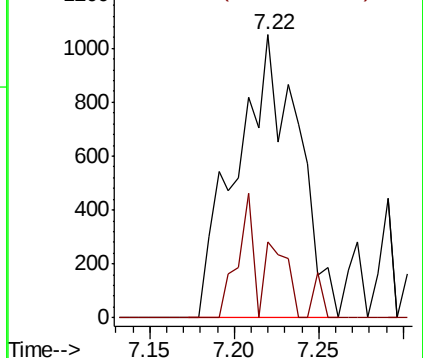


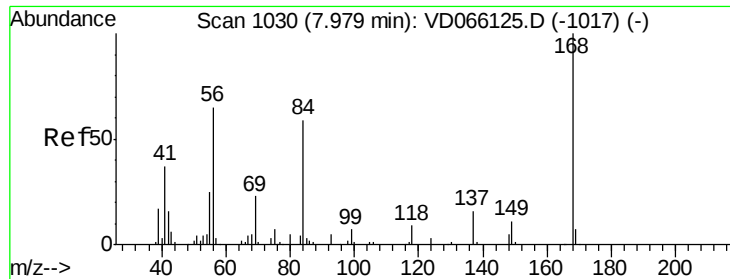
#25
2-Butanone
Concen: 3.650 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

Tgt Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
72 26.7 22.2 33.2



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

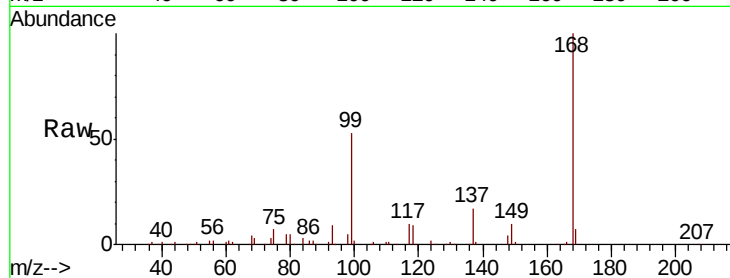




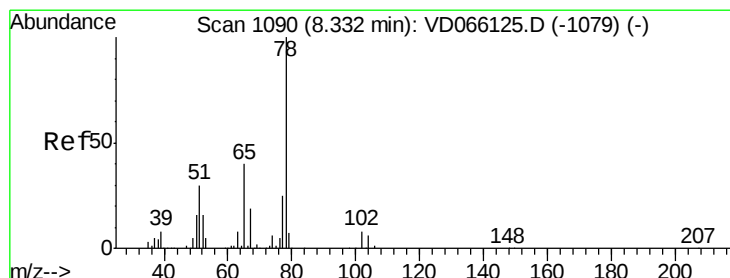
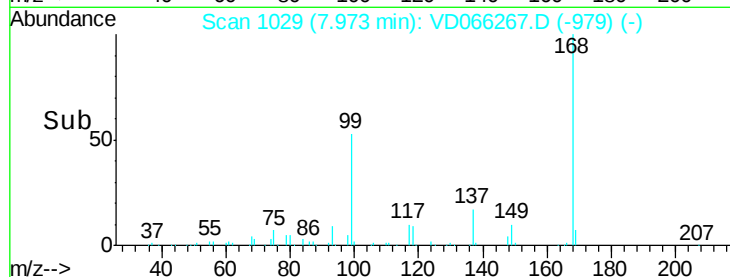
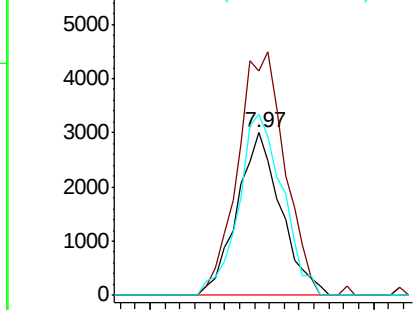
#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
S604-M-SO-1-1.5-081320RE

Tot Ion: 56 Resp: 6116
Ion Ratio Lower Upper
56 100
69 138.1 28.8 43.2#
84 111.0 73.0 109.6#

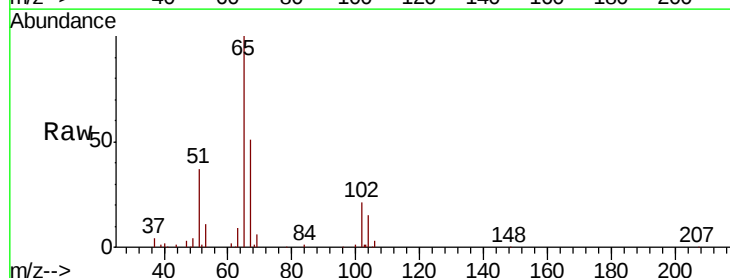


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

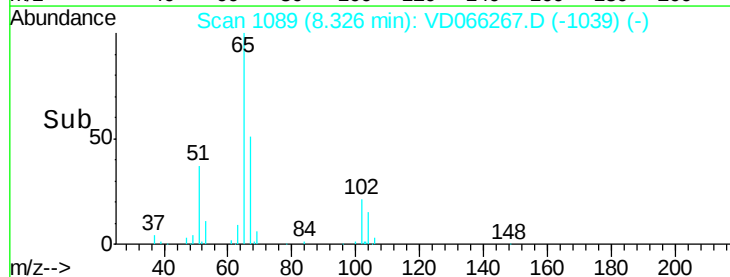
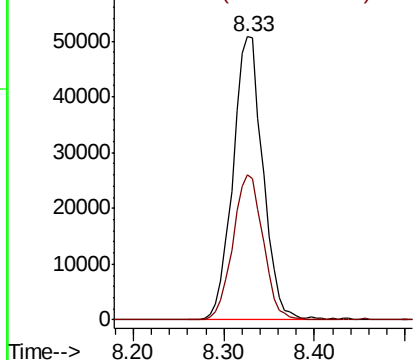


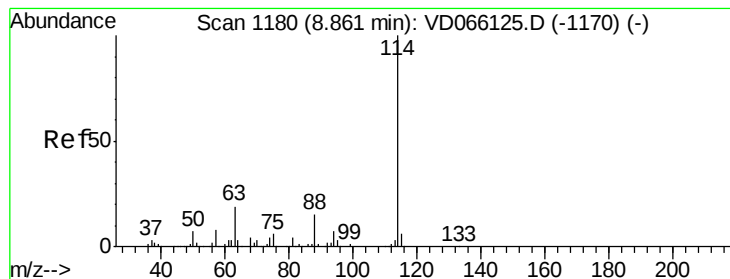
#33
1,2-Dichloroethane-d4
Concen: 44.627 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

Tgt Ion: 65 Resp: 117017
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6



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: VD066267.D

Acq: 17 Aug 2020 19:32

Instrument :

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ClientSampleId :

S604-M-SO-1-1.5-081320RE

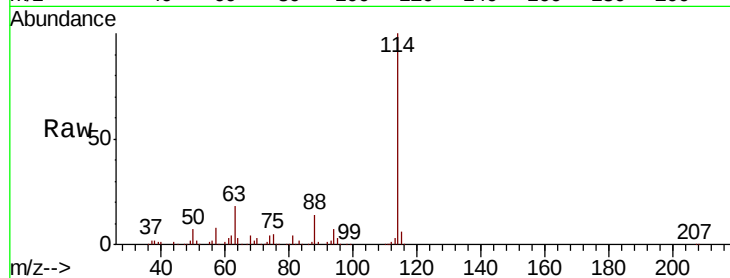
Tot Ion:114 Resp: 473462

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.6

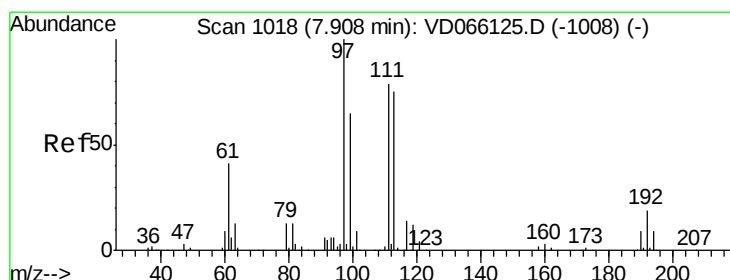
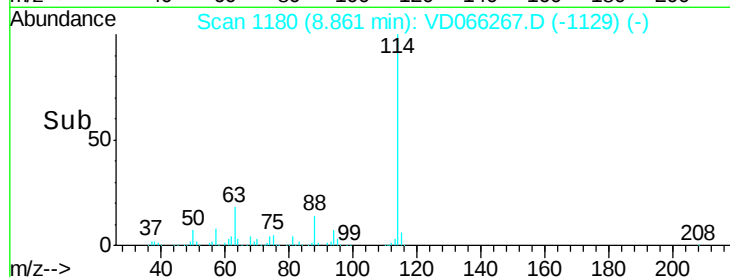
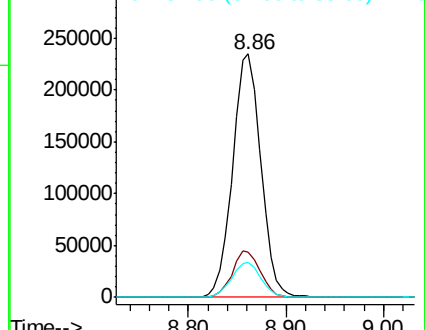
88 14.5 0.0 30.0



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: 46.351 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066267.D

Acq: 17 Aug 2020 19:32

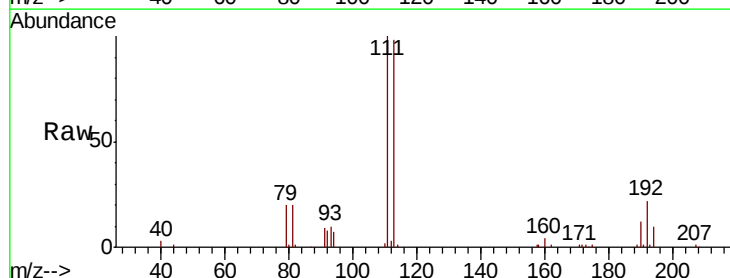
Tgt Ion:113 Resp: 139022

Ion Ratio Lower Upper

113 100

111 104.7 80.7 121.1

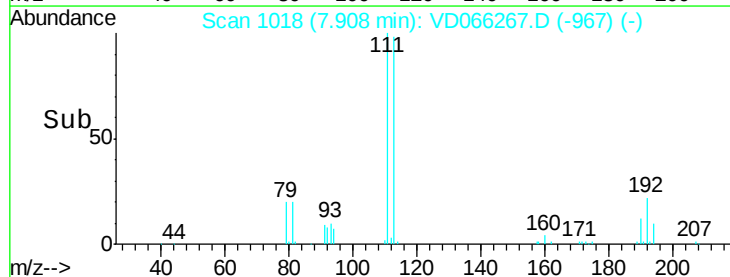
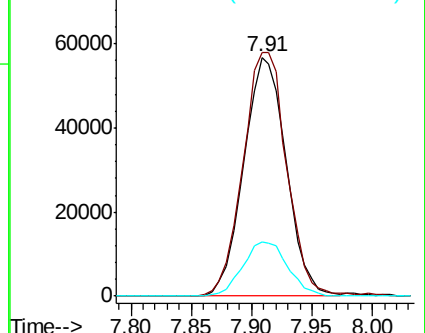
192 23.9 18.4 27.6

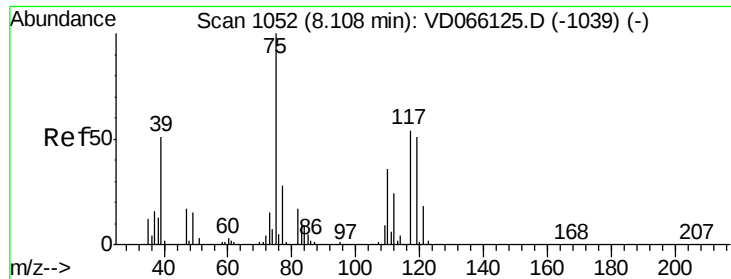


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

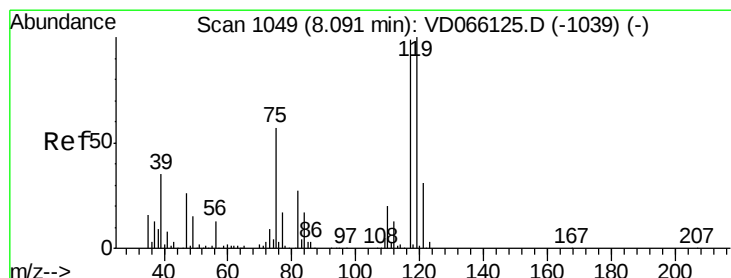
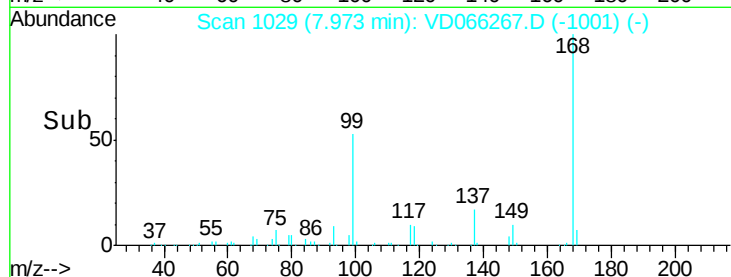
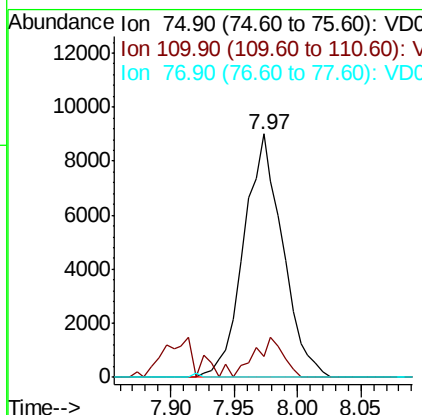
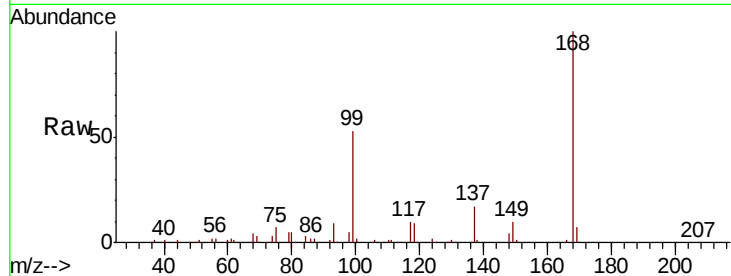




#36
 1,1-Dichloropropene
 Concen: 4.312 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066267.D
 Acq: 17 Aug 2020 19:32

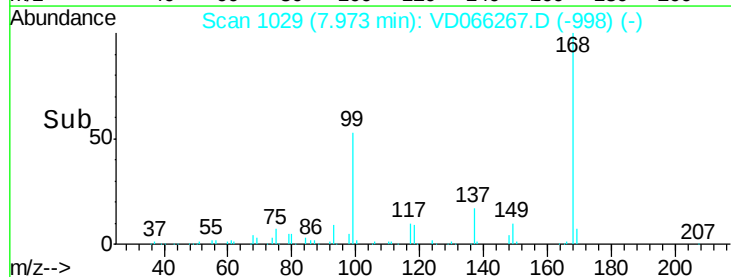
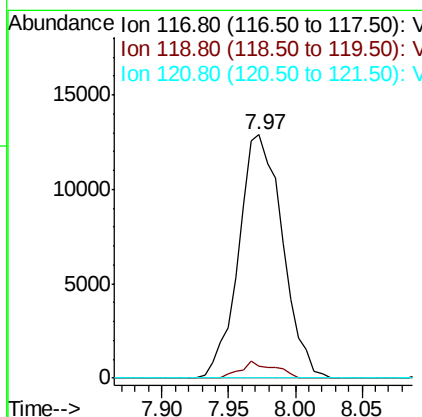
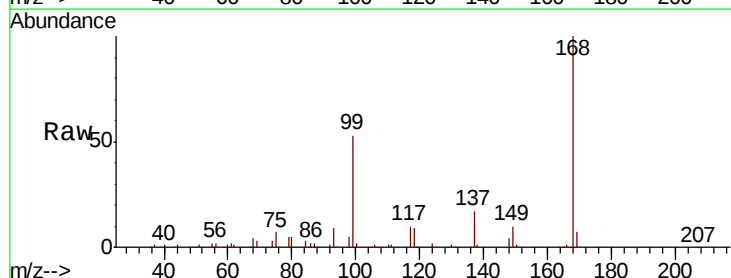
Instrument :
 MSVOA_D
 ClientSampleId :
 S604-M-SO-1-1.5-081320RE

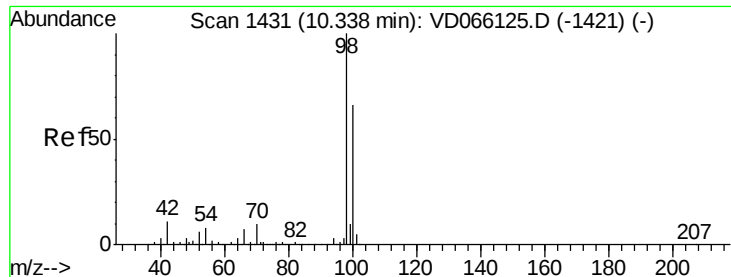
Tot Ion	75	Resp	19186
Ion Ratio	Lower	Upper	
75	100		
110	11.9	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 5.902 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066267.D
 Acq: 17 Aug 2020 19:32

Tgt Ion	117	Resp	29284
Ion Ratio	Lower	Upper	
117	100		
119	4.8	81.0	121.4#
121	0.0	24.8	37.2#

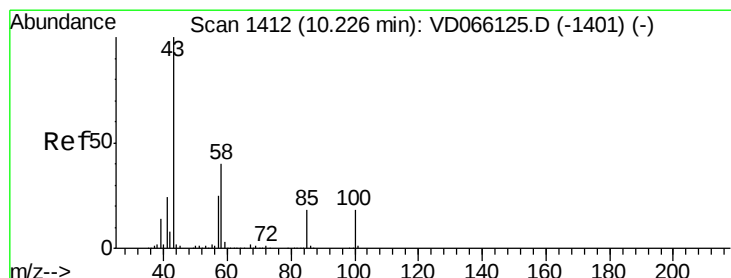
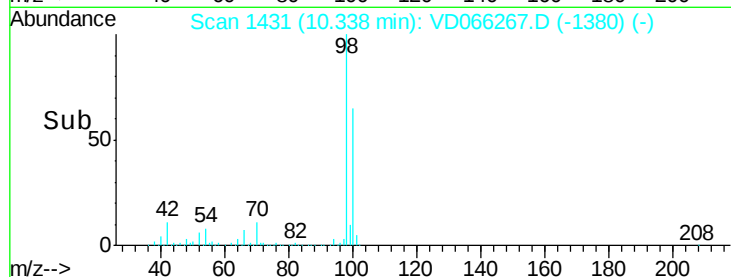
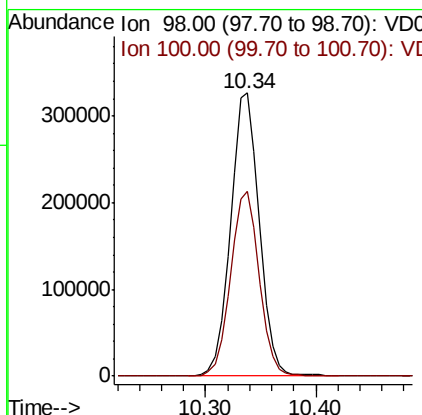
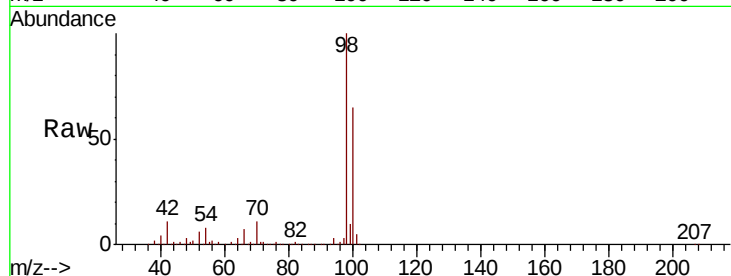




#50
Toluene-d8
Concen: 53.853 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

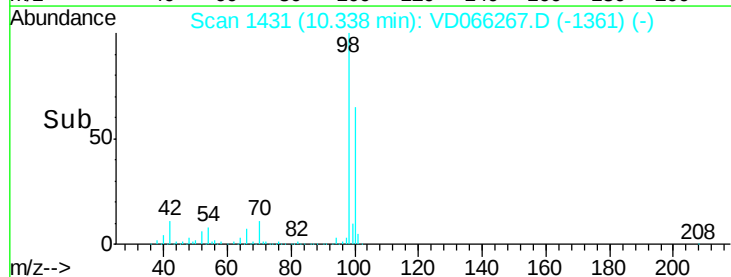
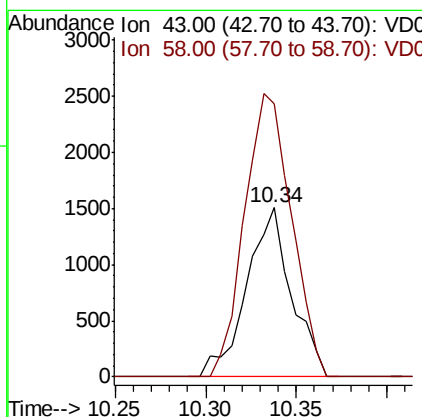
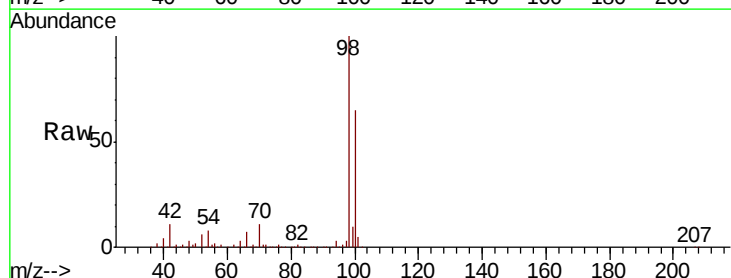
Instrument :
MSVOA_D
ClientSampleId :
S604-M-SO-1-1.5-081320RE

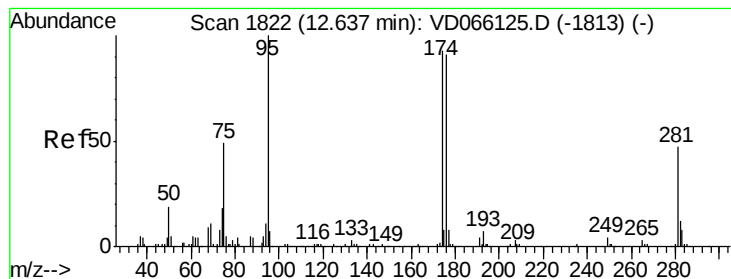
Tot Ion: 98 Resp: 596060
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.455 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066267.D
Acq: 17 Aug 2020 19:32

Tgt Ion: 43 Resp: 2595
Ion Ratio Lower Upper
43 100
58 175.3 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 79.436 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066267.D

Acq: 17 Aug 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

S604-M-SO-1-1.5-081320RE

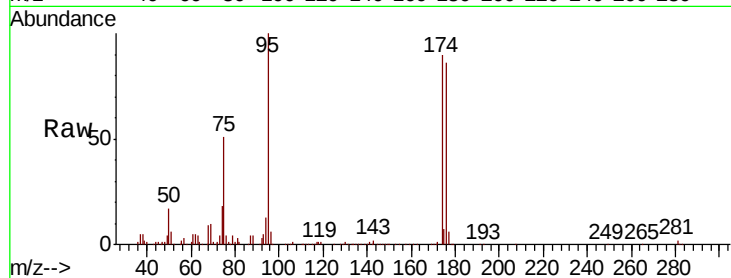
Tot Ion: 95 Resp: 316923

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.8

176 86.4 0.0 181.2



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

250000

200000

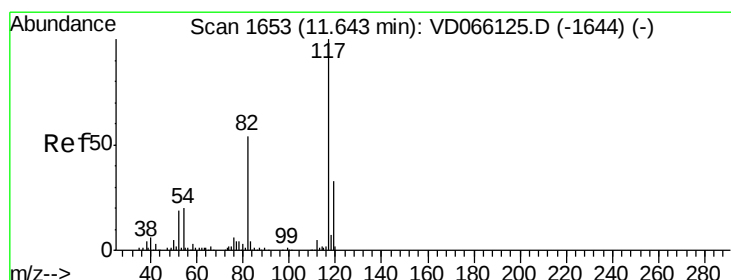
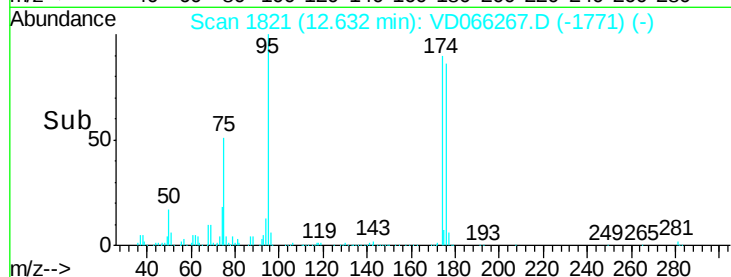
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066267.D

Acq: 17 Aug 2020 19:32

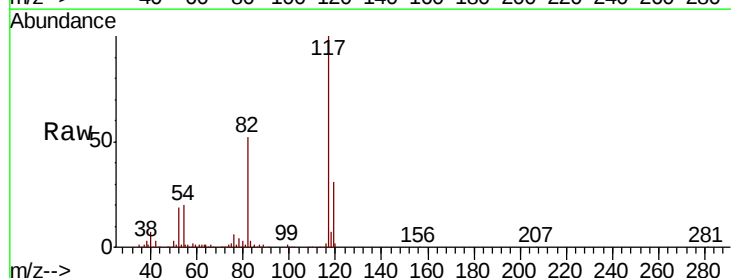
Tgt Ion: 117 Resp: 617669

Ion Ratio Lower Upper

117 100

82 52.5 43.0 64.4

119 31.4 26.1 39.1



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

400000

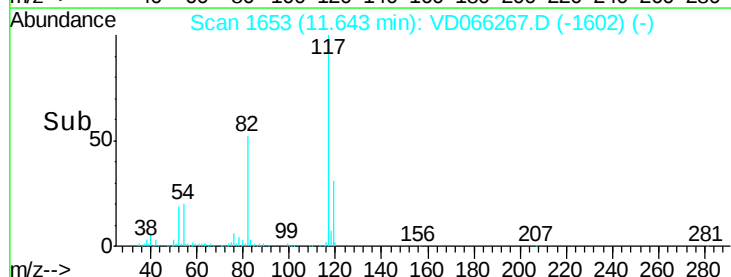
300000

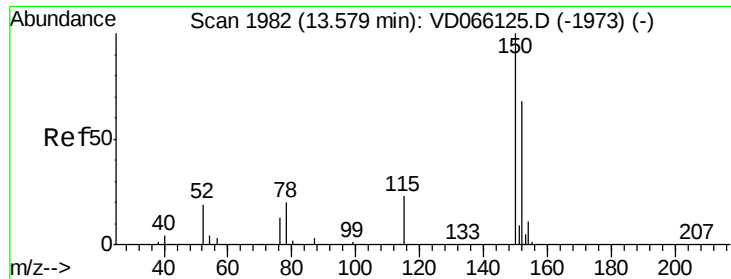
200000

100000

0

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: VD066267.D

Acq: 17 Aug 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

S604-M-SO-1-1.5-081320RE

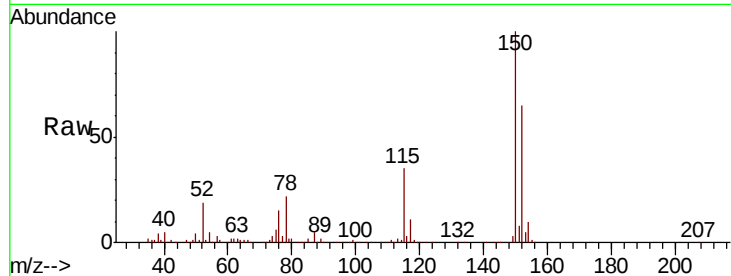
Tot Ion:152 Resp: 368083

Ion Ratio Lower Upper

152 100

115 55.7 28.0 83.9

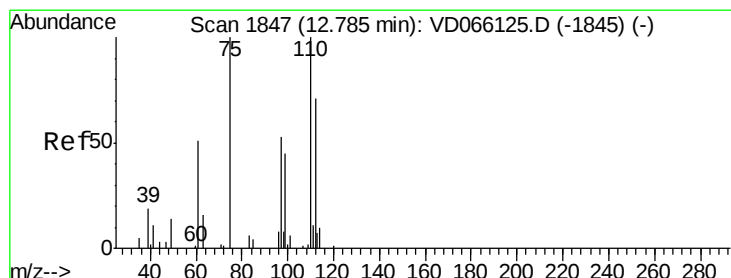
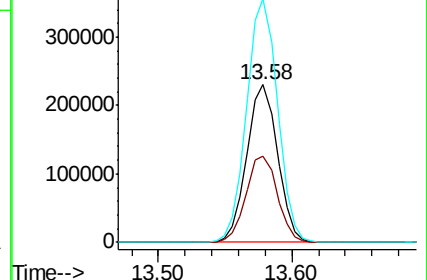
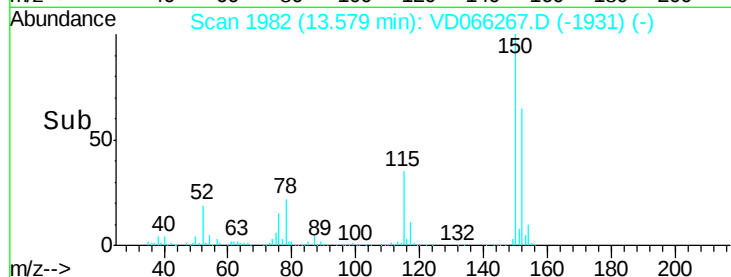
150 154.8 0.0 346.4



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: 52.572 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066267.D

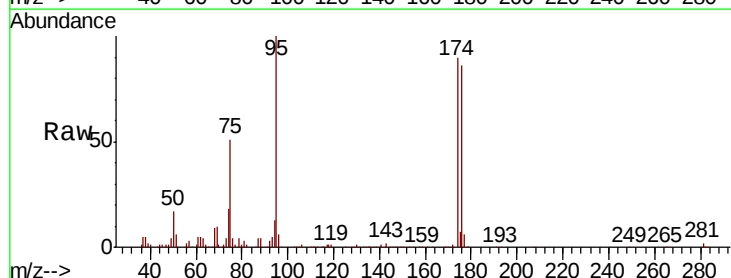
Acq: 17 Aug 2020 19:32

Tgt Ion: 75 Resp: 161373

Ion Ratio Lower Upper

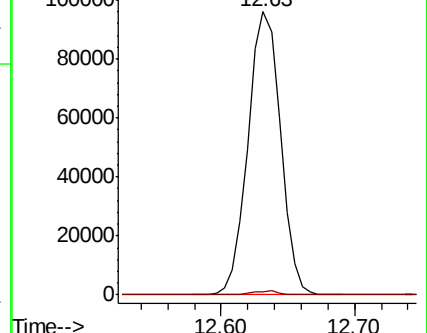
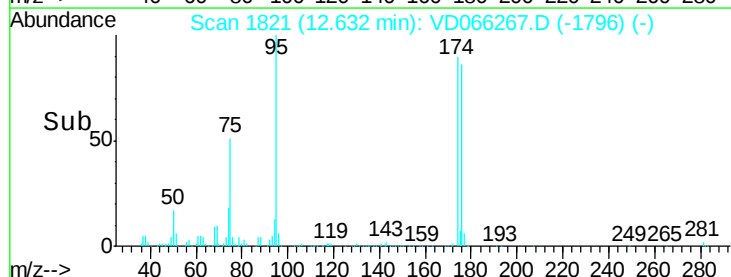
75 100

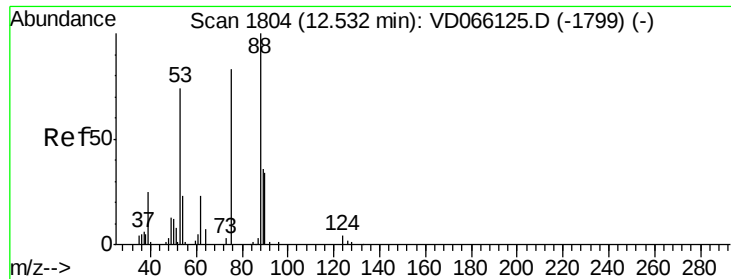
77 1.3 0.0 0.0#



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: 116.214 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066267.D

Acq: 17 Aug 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

S604-M-SO-1-1.5-081320RE

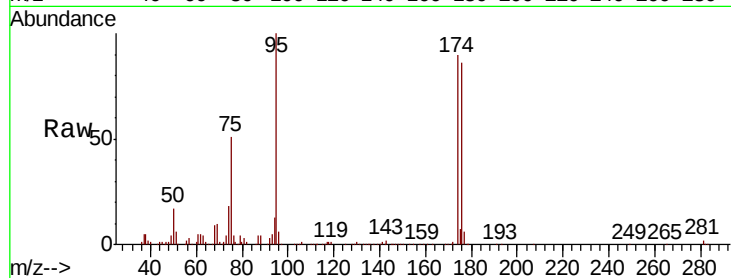
Tot Ion: 75 Resp: 161373

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



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

