

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066001.D
 Acq On : 22 Jul 2020 15:00
 Operator : VA/SY
 Sample : L3177-01
 Misc : 7.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-071720

Quant Time: Jul 23 01:04:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	283086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	442070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	399188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188680	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	112729	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	7.92	113	122823	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	10.34	98	417712	41.82	ug/l	0.00
Spiked Amount			Recovery	=	83.64%	
62) 4-Bromofluorobenzene	12.64	95	147276	42.52	ug/l	0.00
Spiked Amount			Recovery	=	85.04%	

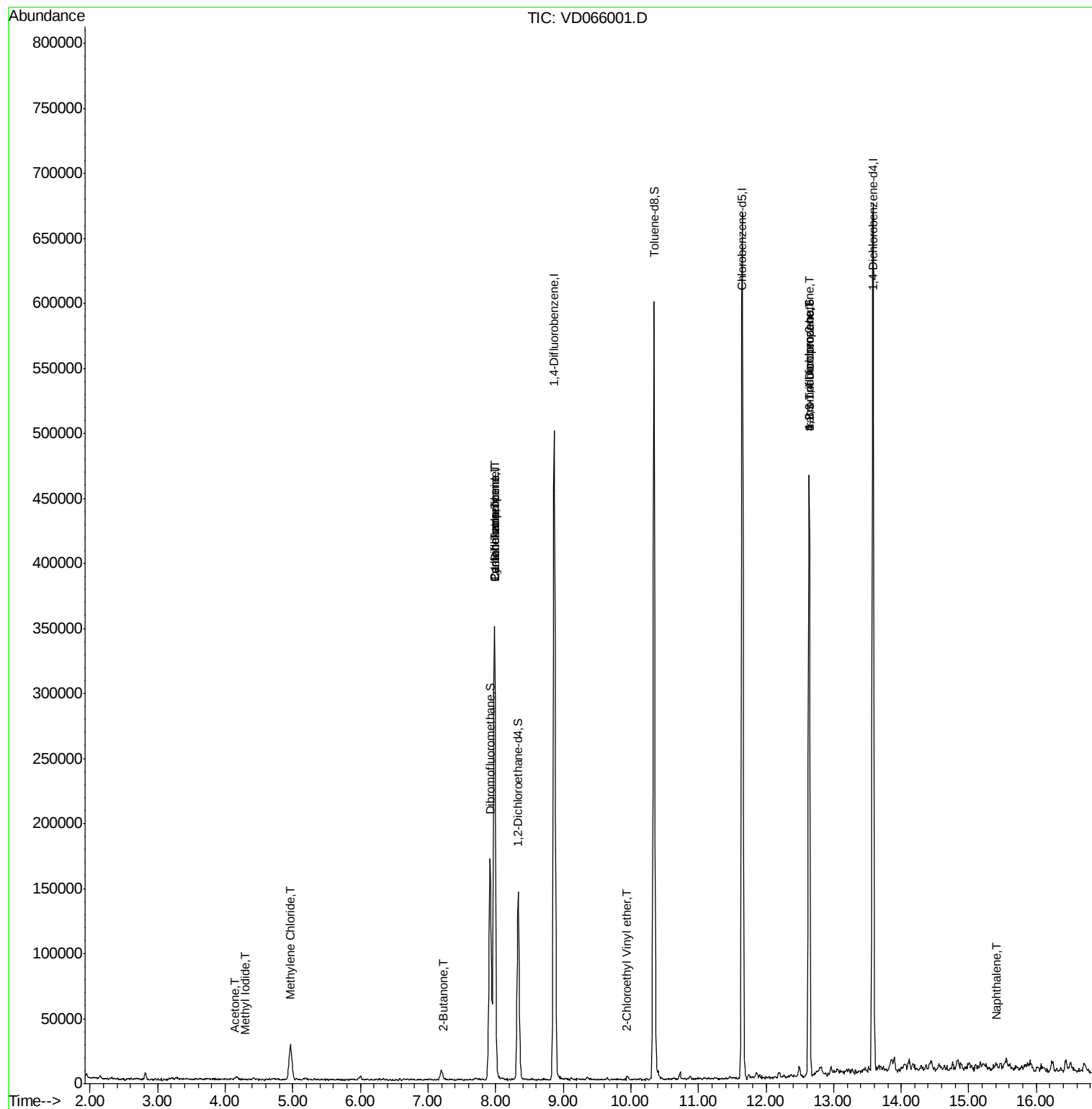
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	172	Below Cal	#	56
10) Methyl Iodide	4.30	142	92	8.843	ug/l #	42
11) Tert butyl alcohol	5.21	59	175	Below Cal	#	83
16) Acetone	4.15	43	1704	3.655	ug/l	98
20) Methylene Chloride	4.96	84	20955	5.489	ug/l #	91
25) 2-Butanone	7.23	43	819	1.324	ug/l #	50
31) Cyclohexane	7.99	56	5174	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	18970	5.028	ug/l #	48
38) Carbon Tetrachloride	7.99	117	25411	6.207	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.94	63	1114	1.028	ug/l #	61
76) 1,2,3-Trichloropropane	12.64	75	71235	50.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	71235	115.059	ug/l #	11
95) Naphthalene	15.41	128	4584	4.258	ug/l #	90

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

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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066001.D

Acq: 22 Jul 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

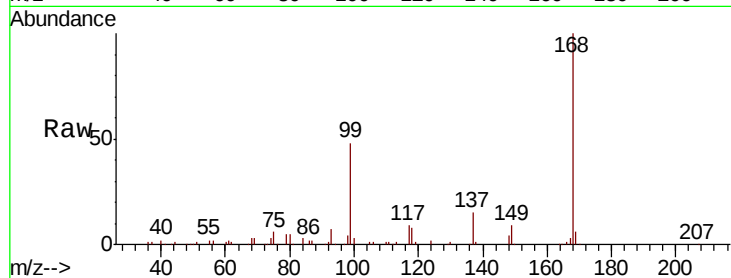
AU-05-071720

Tot Ion:168 Resp: 283086

Ion Ratio Lower Upper

168 100

99 48.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

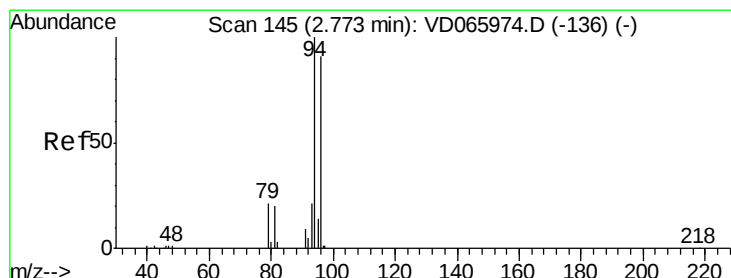
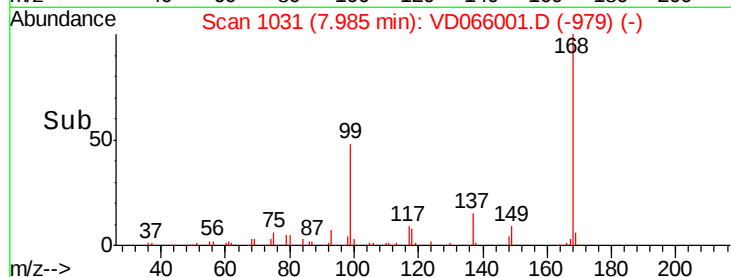
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066001.D

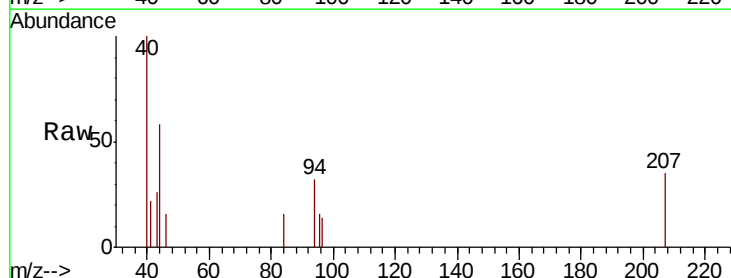
Acq: 22 Jul 2020 15:00

Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

96 49.5 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

400

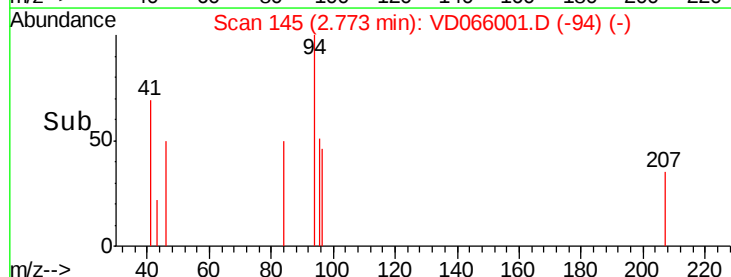
300

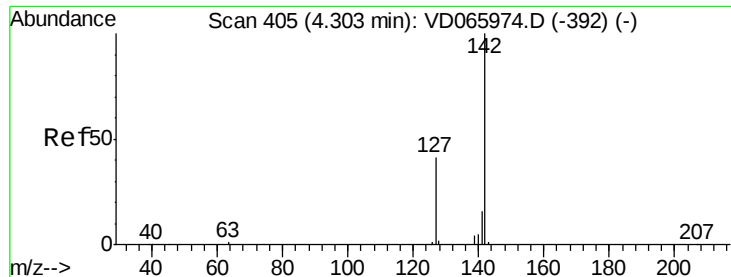
200

100

0

Time-->

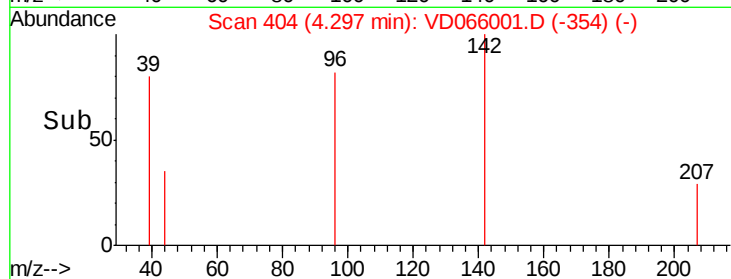
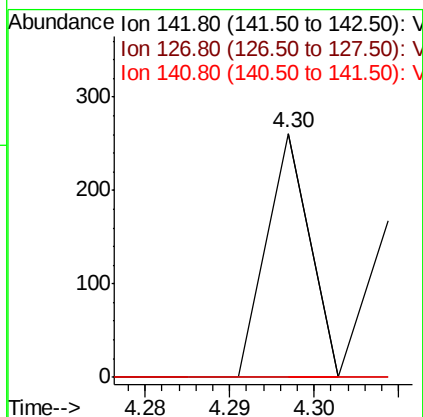
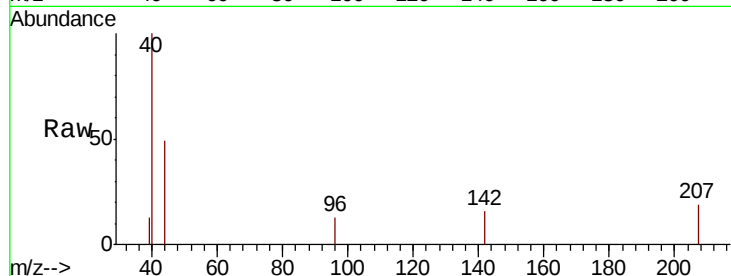




#10
Methyl Iodide
Concen: 8.843 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

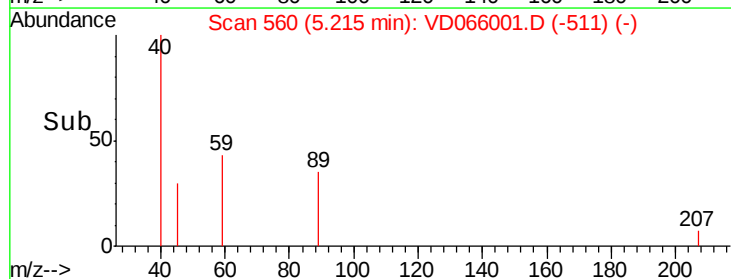
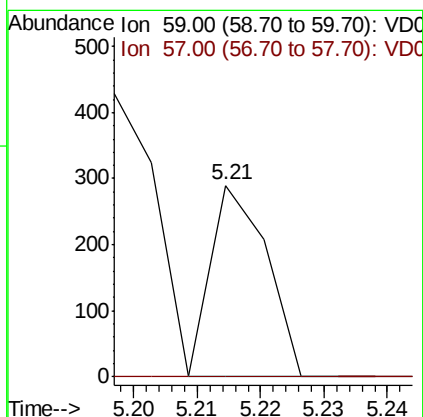
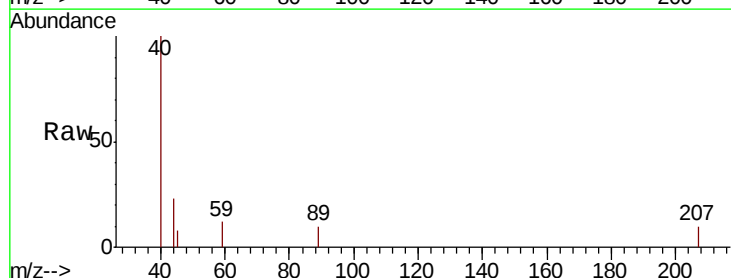
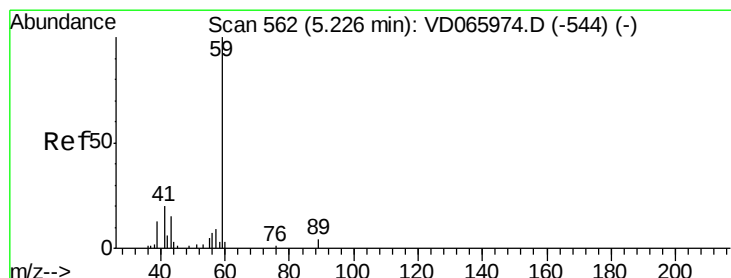
Instrument :
MSVOA_D
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AU-05-071720

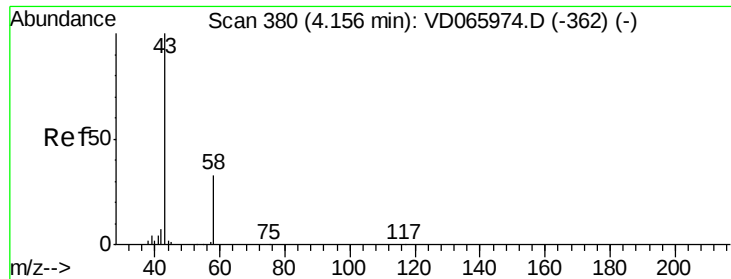
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.9	49.3#
141	0.0	11.8	17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.5	6.7#





#16

Acetone

Concen: 3.655 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066001.D

Acq: 22 Jul 2020 15:00

Instrument :

MSVOA_D

ClientSampled :

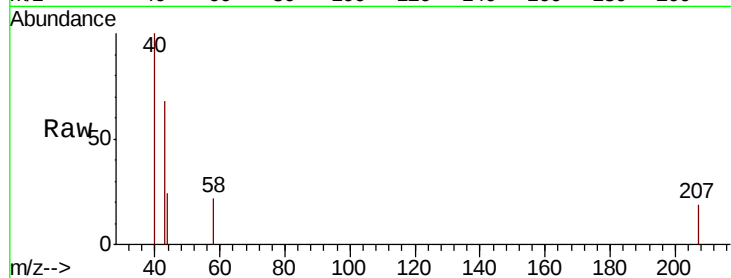
AU-05-071720

Tot Ion: 43 Resp: 1704

Ion Ratio Lower Upper

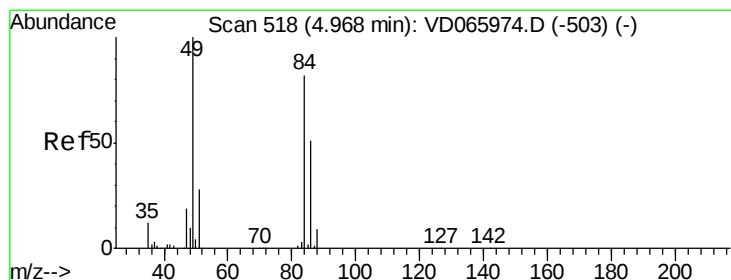
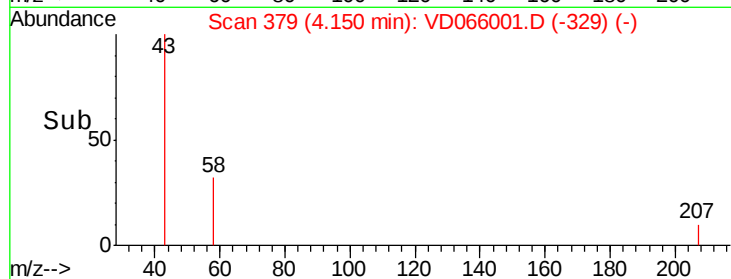
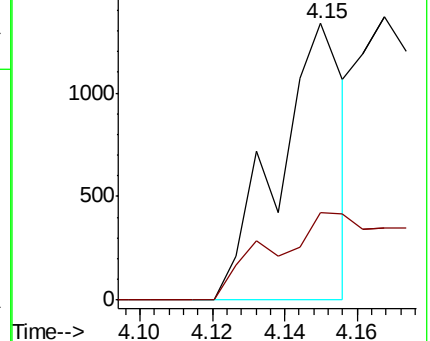
43 100

58 31.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 5.489 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066001.D

Acq: 22 Jul 2020 15:00

Tgt Ion: 84 Resp: 20955

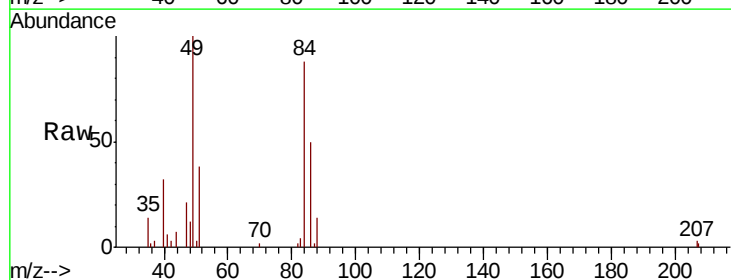
Ion Ratio Lower Upper

84 100

49 113.1 97.7 146.5

51 42.9 27.4 41.2#

86 57.0 49.4 74.2

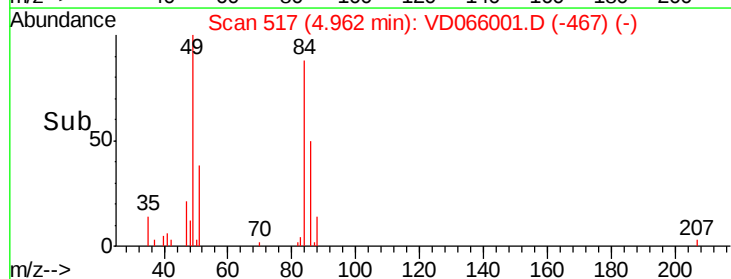
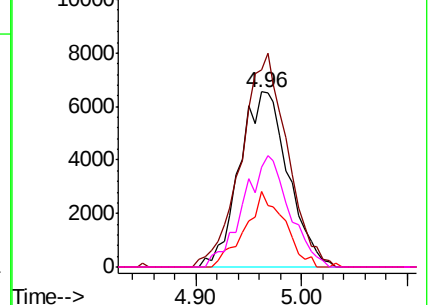


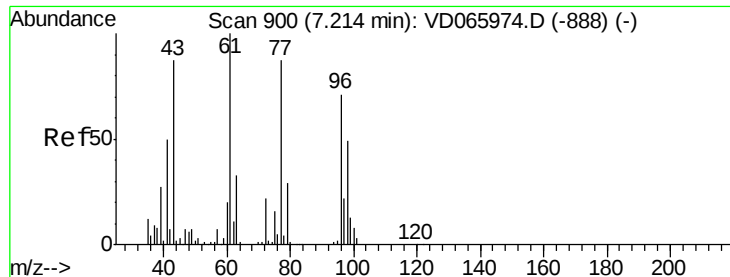
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

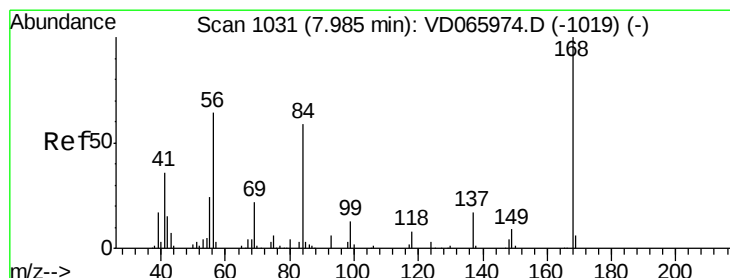
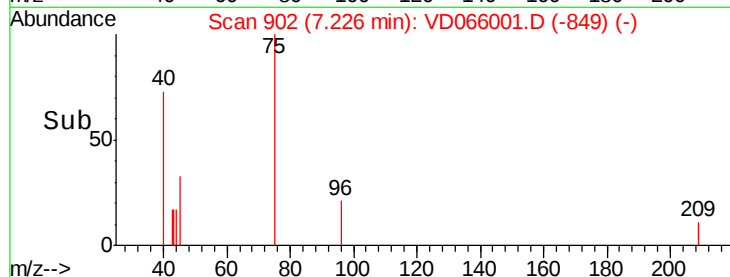
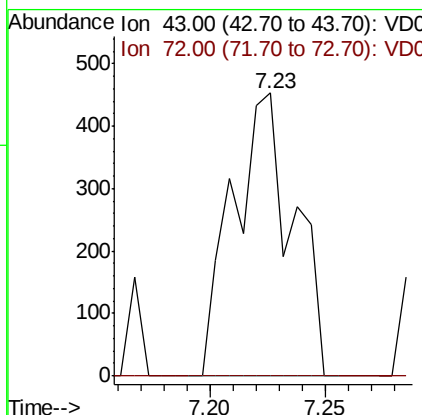
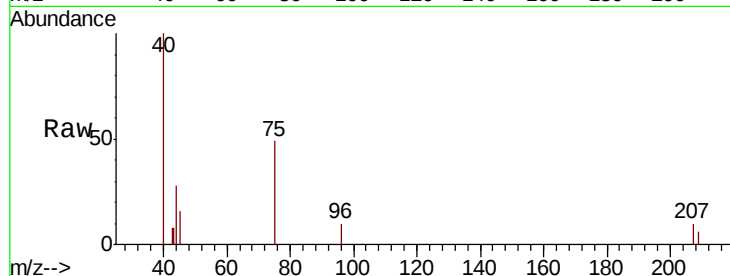




#25
2-Butanone
Concen: 1.324 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

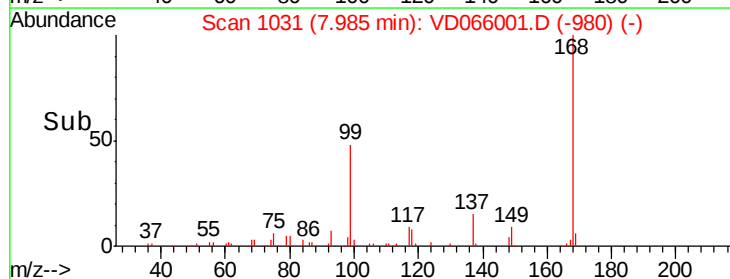
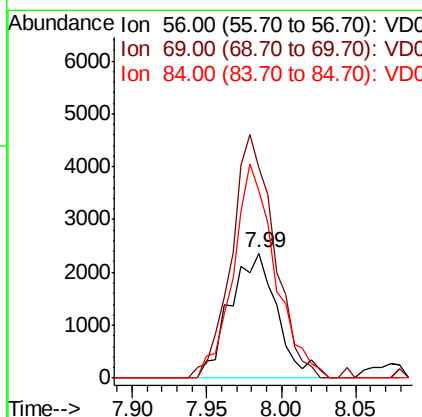
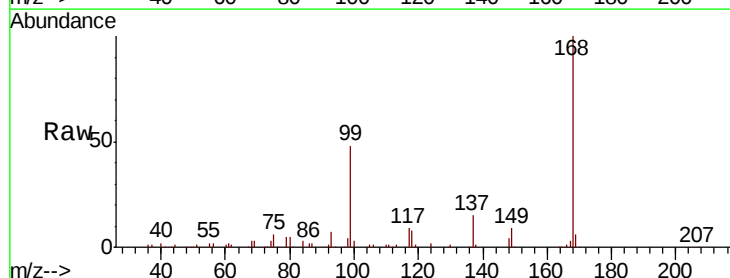
Instrument :
MSVOA_D
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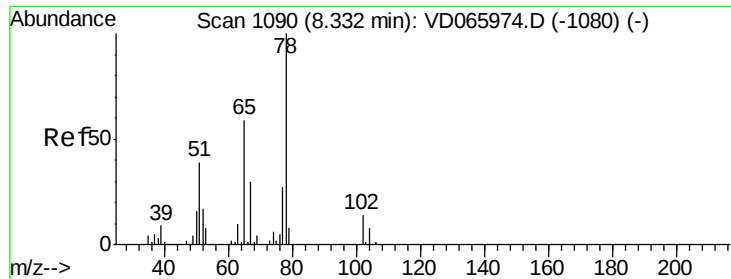
Tot Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

Tgt Ion: 56 Resp: 5174
Ion Ratio Lower Upper
56 100
69 168.4 28.0 42.0#
84 149.6 72.6 109.0#

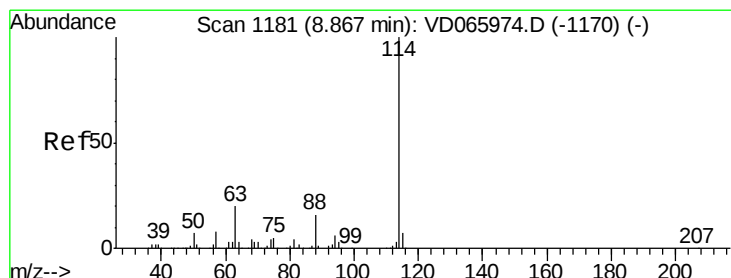
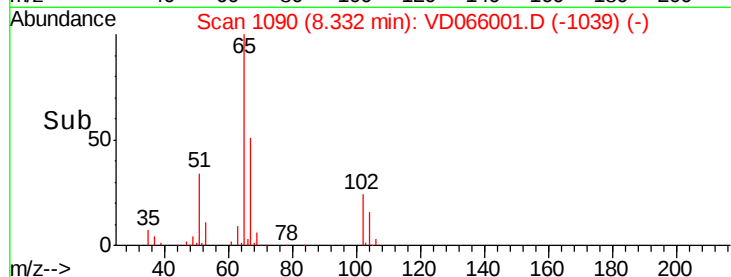
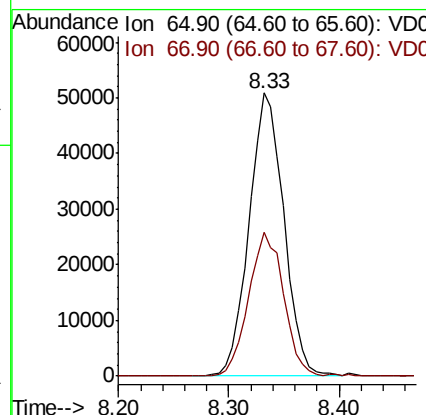
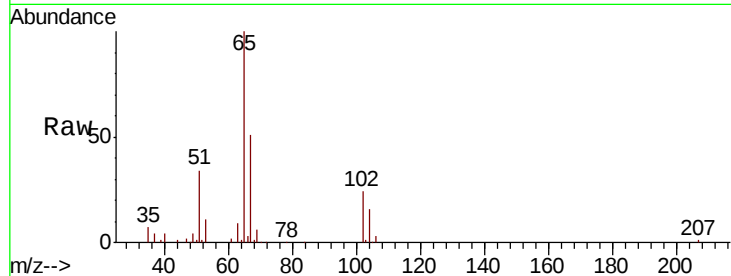




#33
 1,2-Dichloroethane-d4
 Concen: 48.939 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

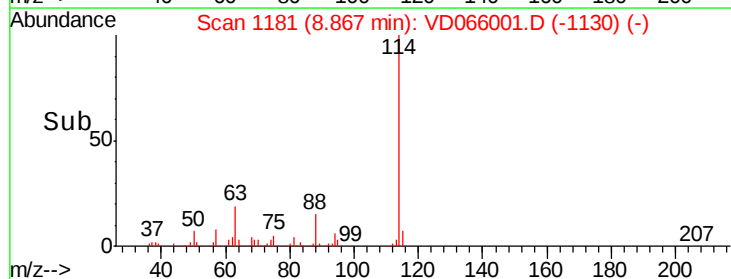
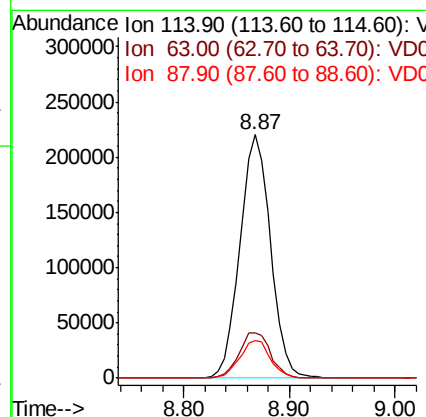
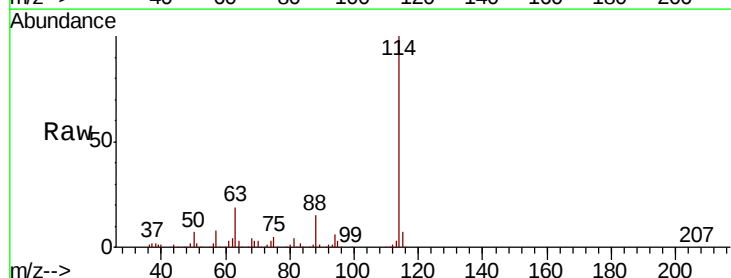
Instrument :
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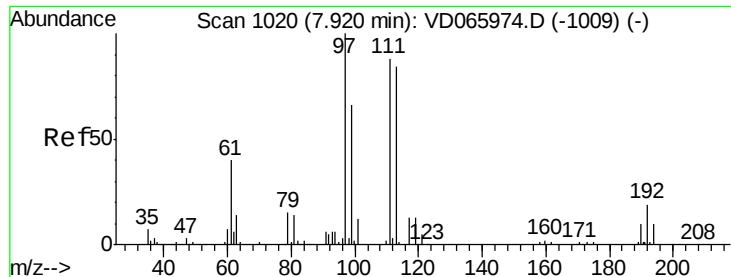
Tot Ion: 65 Resp: 112729
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

Tgt Ion: 114 Resp: 442070
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.6
 88 15.3 0.0 31.2

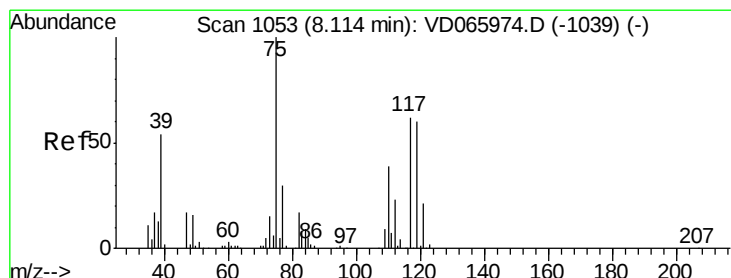
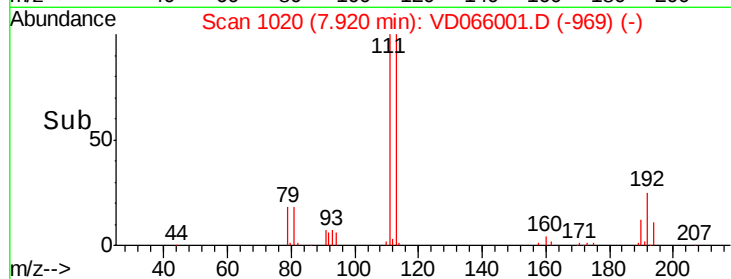
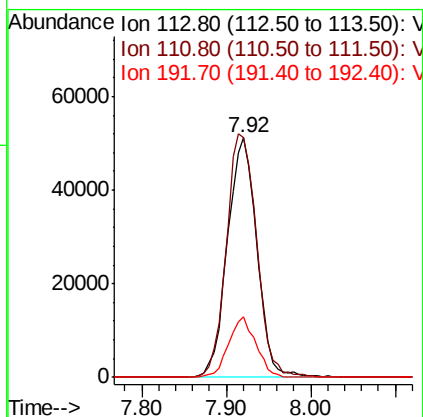
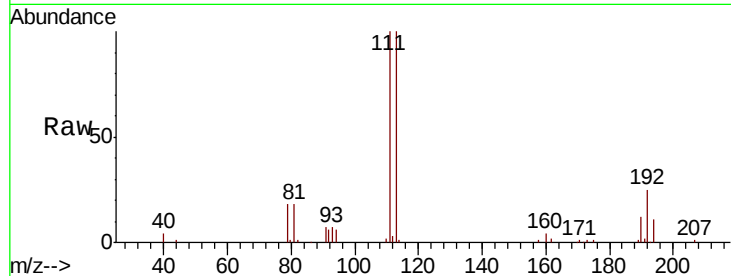




#35
 Dibromofluoromethane
 Concen: 45.807 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

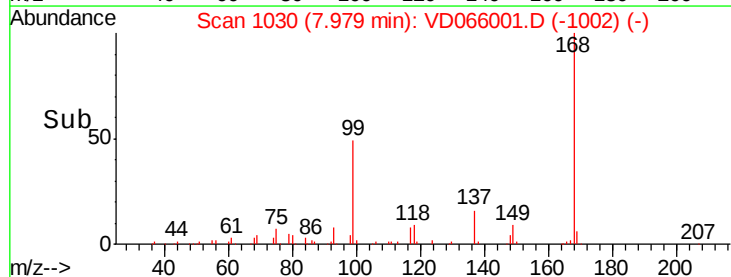
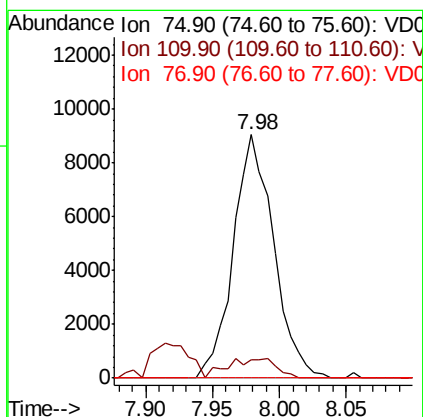
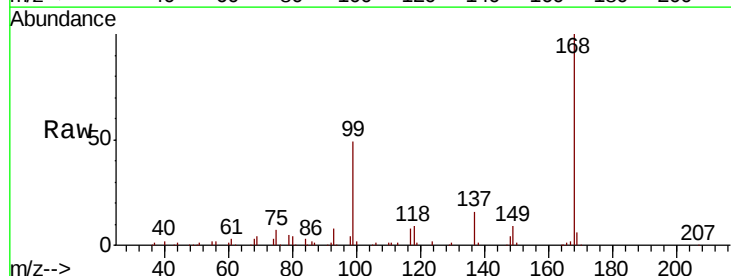
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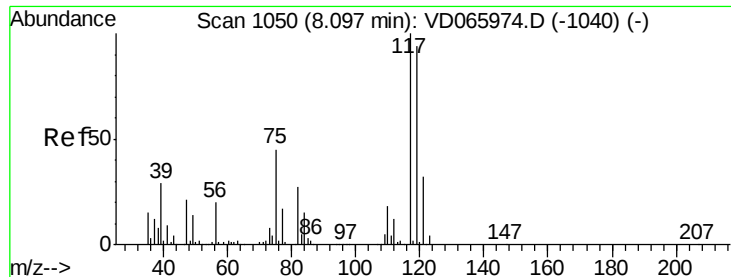
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.2	124.8
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 5.028 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.5	58.5#
77	0.0	24.7	37.1#

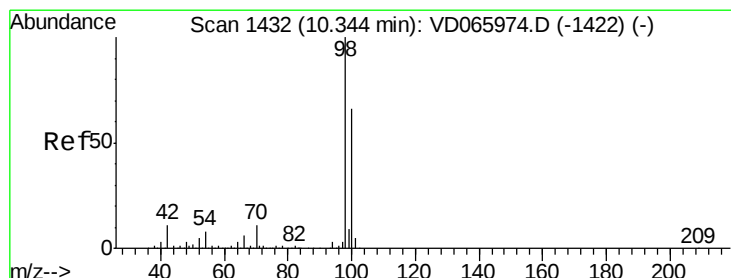
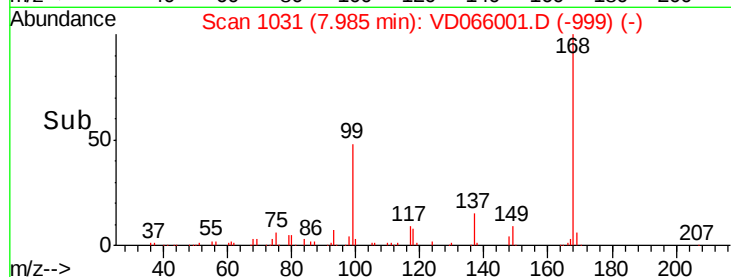
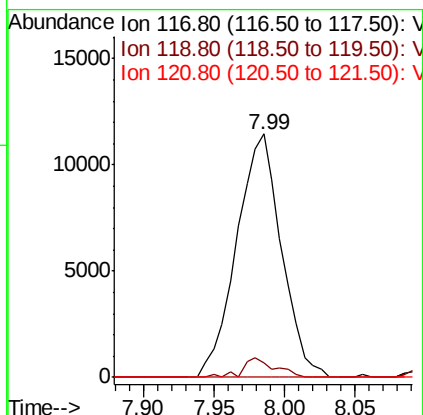
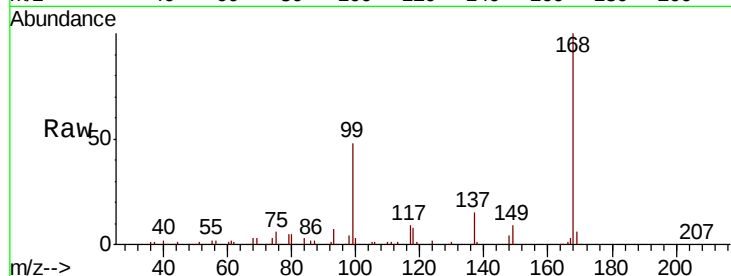




#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

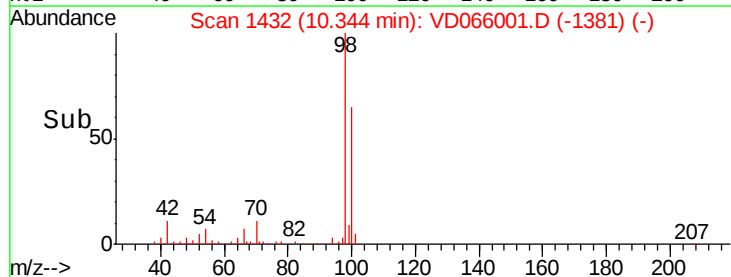
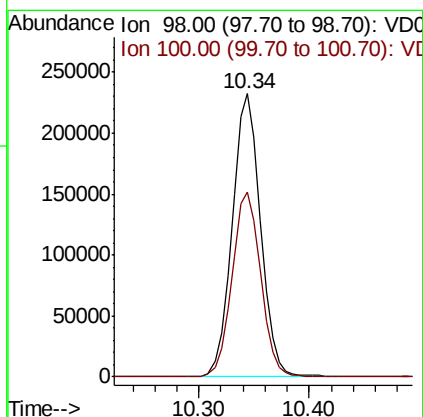
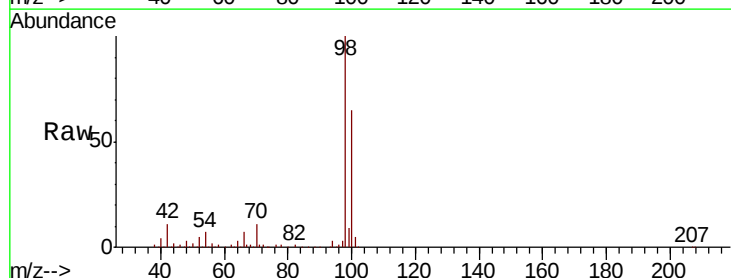
Instrument :
MSVOA_D
ClientSampleId :
AU-05-071720

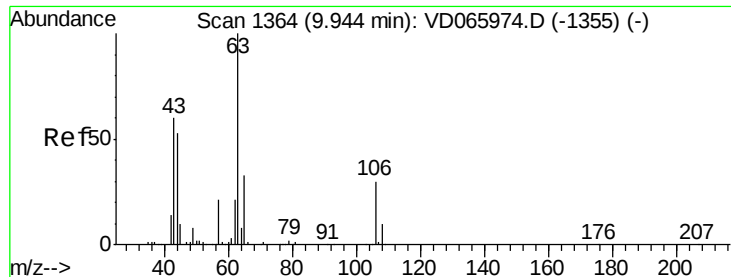
Tot Ion:117 Resp: 25411
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 41.819 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

Tgt Ion: 98 Resp: 417712
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1

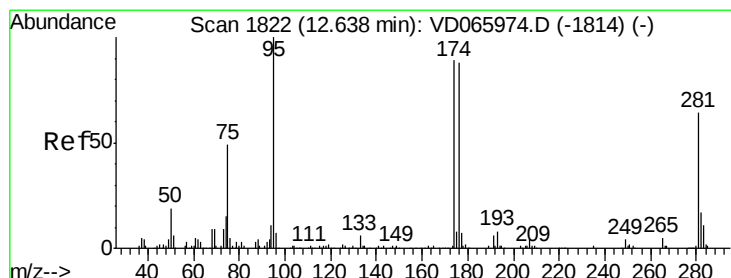
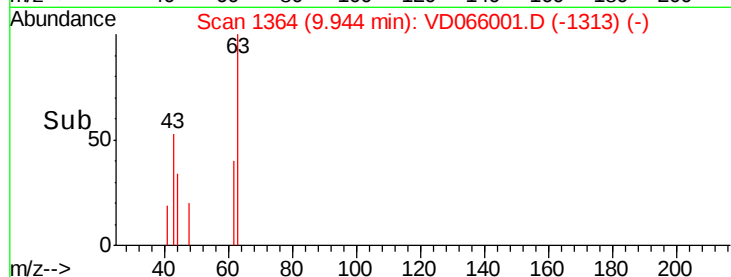
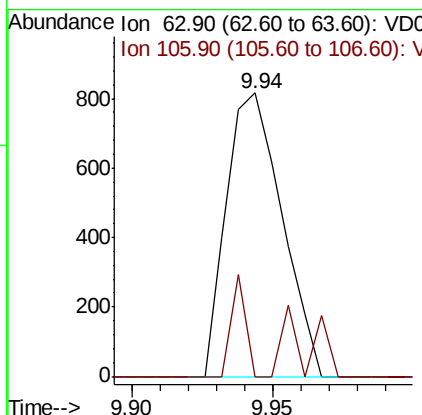
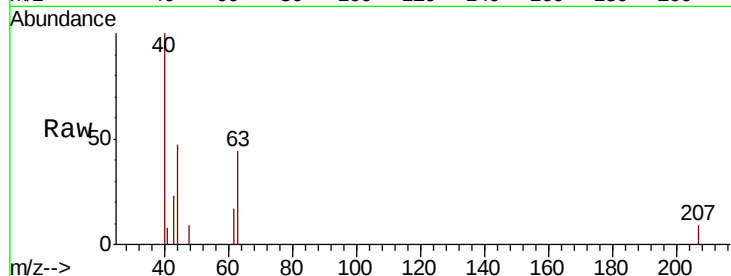




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.028 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

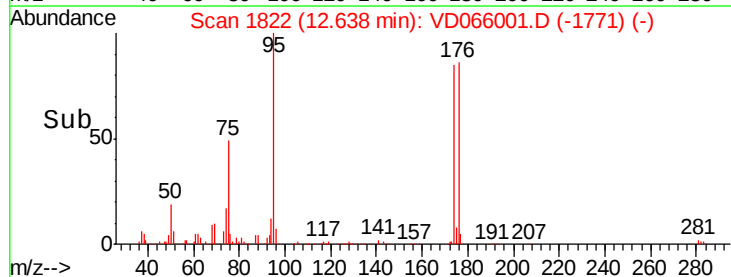
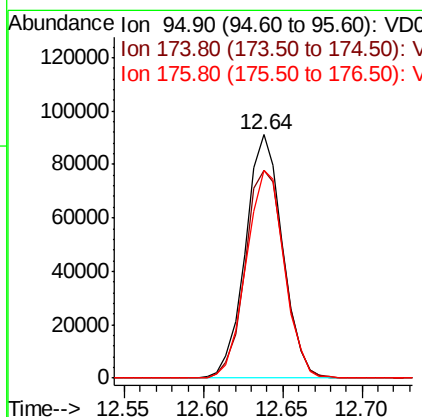
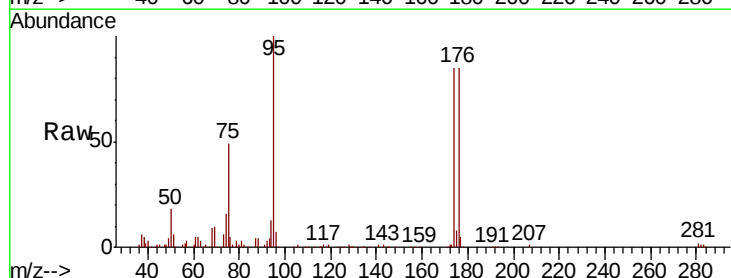
Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-071720

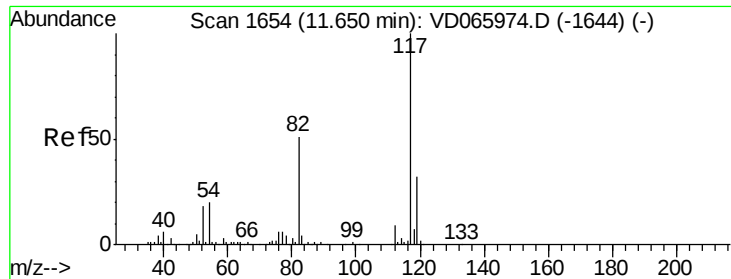
Tot Ion: 63 Resp: 1114
 Ion Ratio Lower Upper
 63 100
 106 9.3 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 42.524 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

Tgt Ion: 95 Resp: 147276
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 178.8
 176 88.1 0.0 172.6

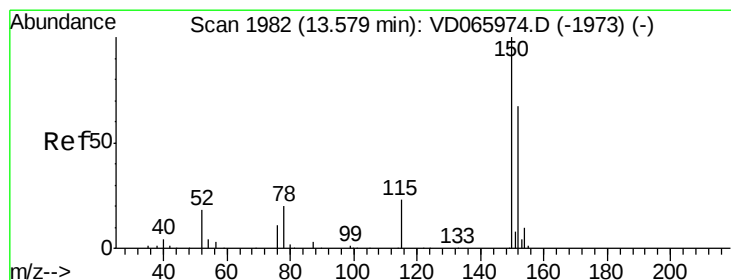
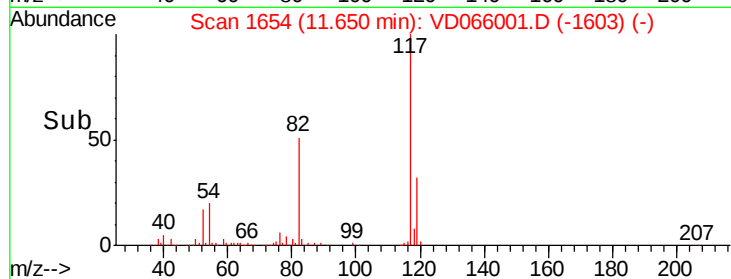
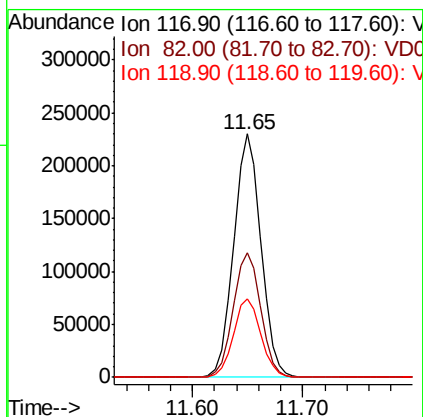
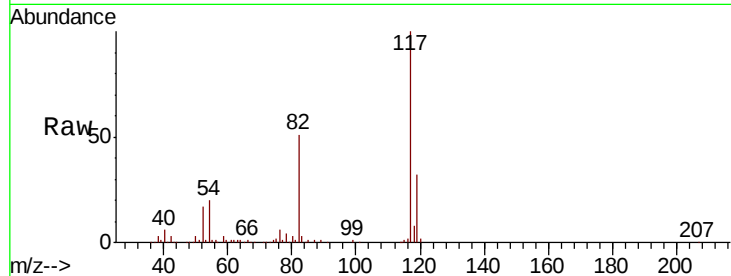




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

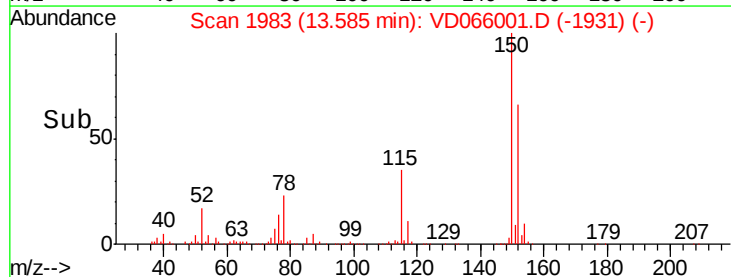
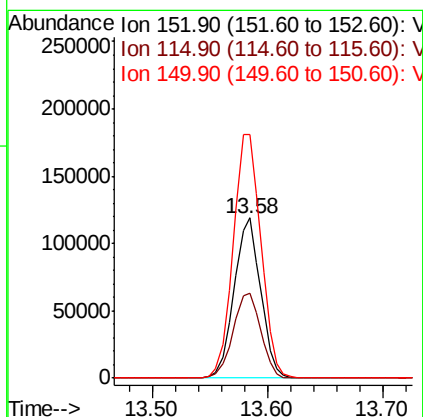
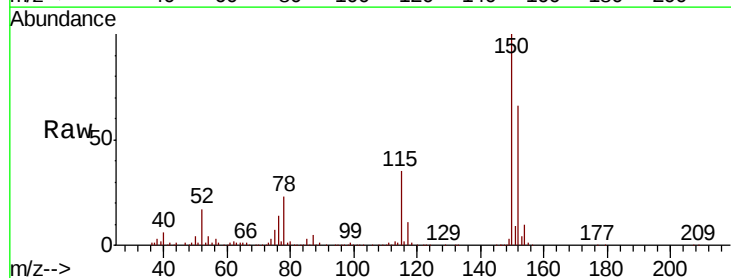
Instrument :
MSVOA_D
ClientSampleId :
AU-05-071720

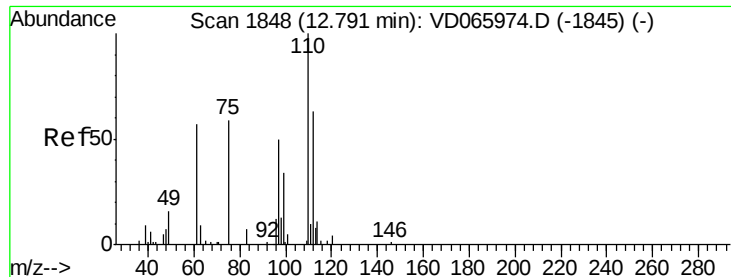
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.1	61.7
119	32.0	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066001.D
Acq: 22 Jul 2020 15:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.9	83.7
150	159.3	0.0	348.2

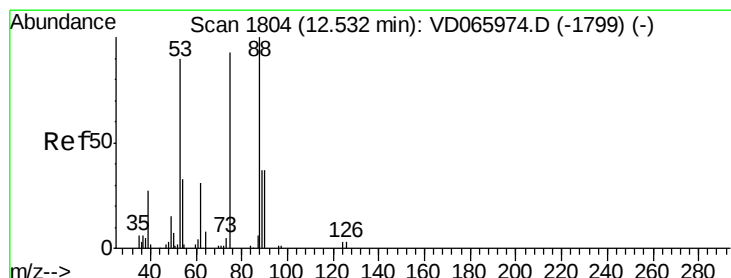
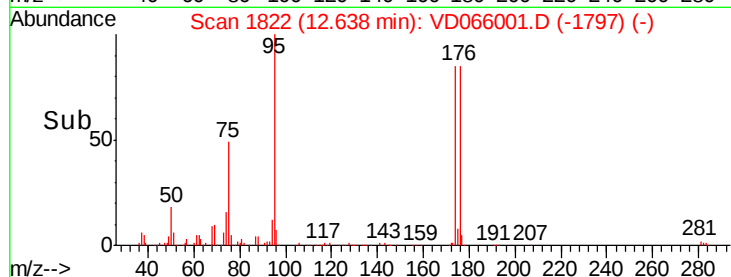
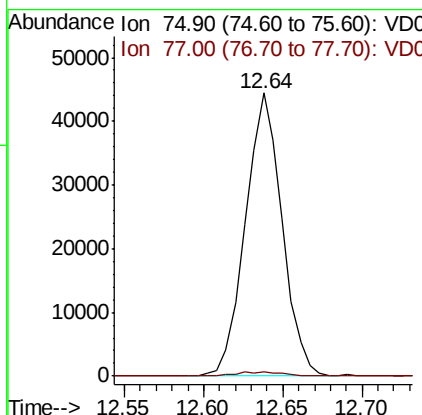
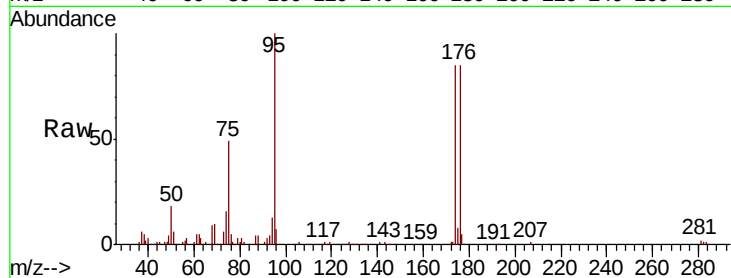




#76
 1,2,3-Trichloropropane
 Concen: 50.142 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

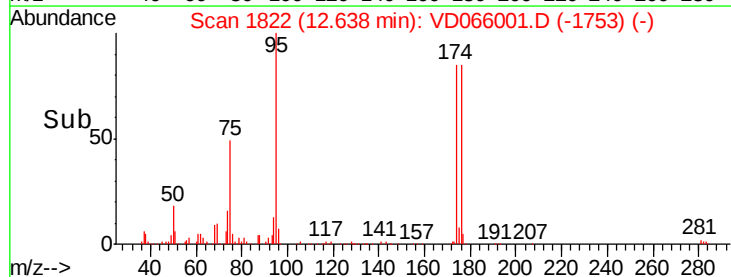
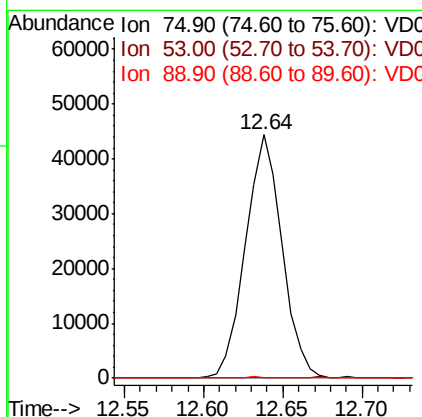
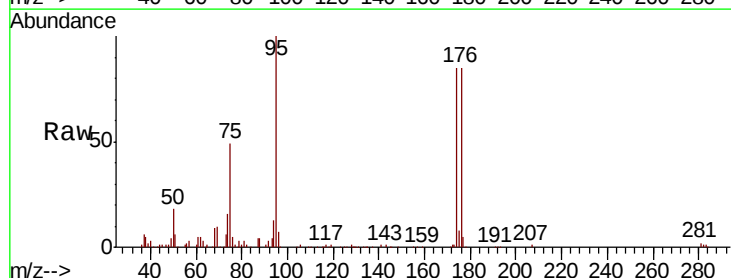
Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-071720

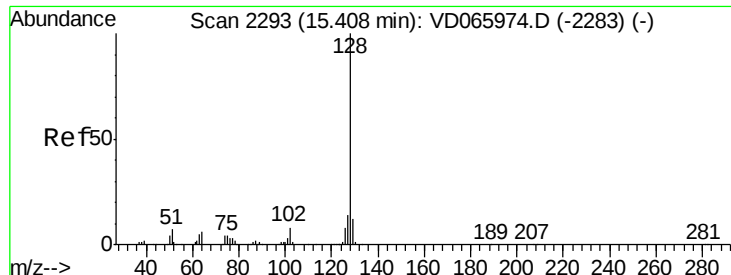
Tot Ion: 75 Resp: 71235
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.059 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066001.D
 Acq: 22 Jul 2020 15:00

Tgt Ion: 75 Resp: 71235
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 4.258 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066001.D

Acq: 22 Jul 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

AU-05-071720

Tot Ion:128 Resp: 4584

Ion Ratio Lower Upper

128 100

127 6.2 10.8 16.2#

129 10.8 8.9 13.3

