

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064940.D
 Acq On : 24 Jan 2020 13:48
 Operator : VA/SY
 Sample : L1243-01RE
 Misc : 6.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:38:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	793427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	710291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	219886	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	7.92	113	231352	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
50) Toluene-d8	10.34	98	942196	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.64	95	289835	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	

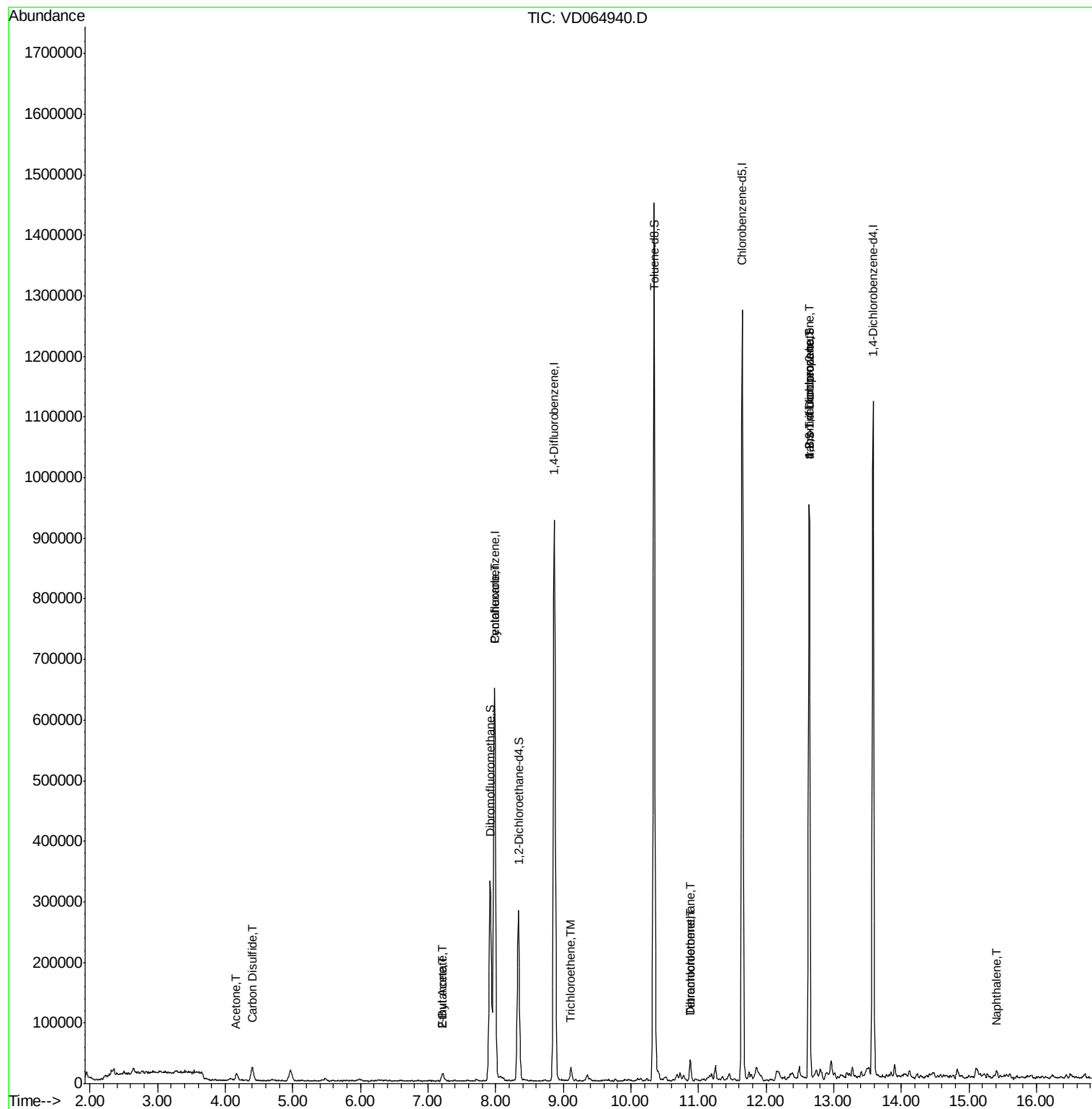
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	20205	28.279	ug/l	98
17) Carbon Disulfide	4.40	76	44719	3.147	ug/l	97
20) Methylene Chloride	4.97	84	12748	Below Cal	#	93
25) 2-Butanone	7.22	43	4289	3.337	ug/l #	88
31) Cyclohexane	7.98	56	12453	1.502	ug/l #	39
37) Ethyl Acetate	7.22	43	4289	1.357	ug/l #	1
44) Trichloroethene	9.11	130	8348	1.416	ug/l	79
60) Dibromochloromethane	10.88	129	5863	1.168	ug/l #	11
64) Tetrachloroethene	10.88	164	7937	1.546	ug/l	93
76) 1,2,3-Trichloropropane	12.64	75	150983	61.516	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150983	131.352	ug/l #	9
95) Naphthalene	15.41	128	11222	1.248	ug/l #	91

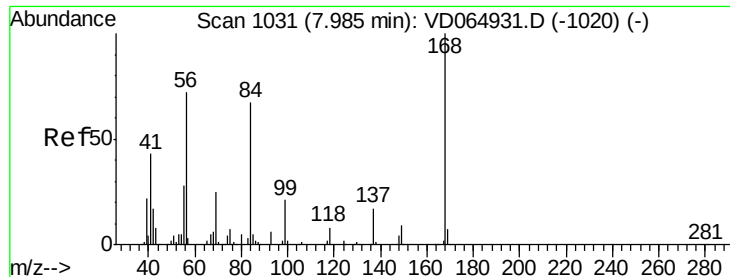
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

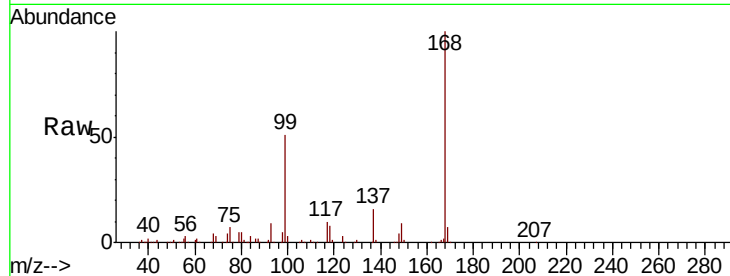
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 495971

Ion Ratio Lower Upper

168 100

99 50.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

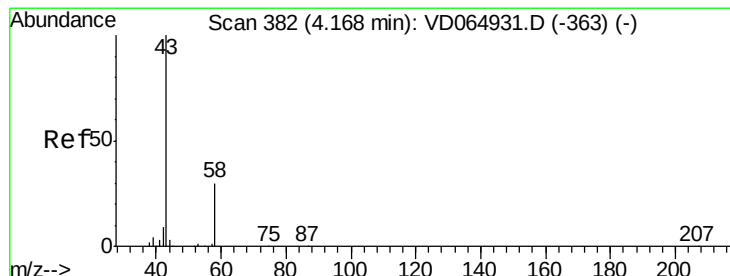
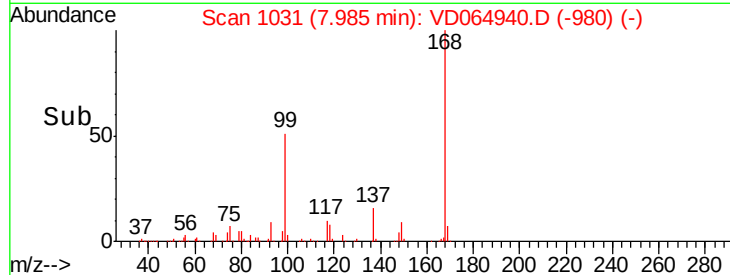
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 28.279 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064940.D

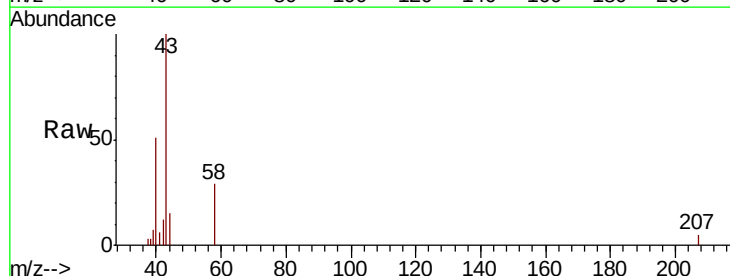
Acq: 24 Jan 2020 13:48

Tgt Ion: 43 Resp: 20205

Ion Ratio Lower Upper

43 100

58 28.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

8000

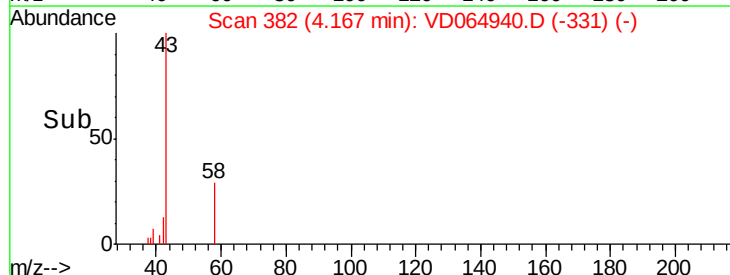
6000

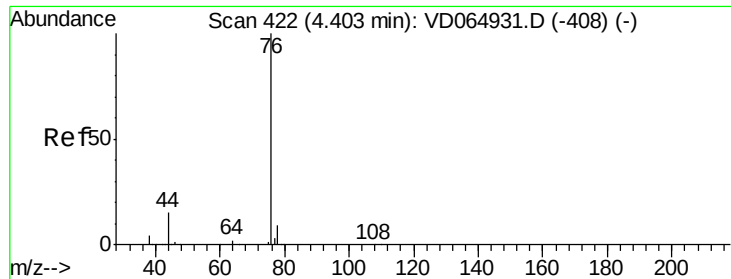
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 3.147 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Instrument :

MSVOA_D

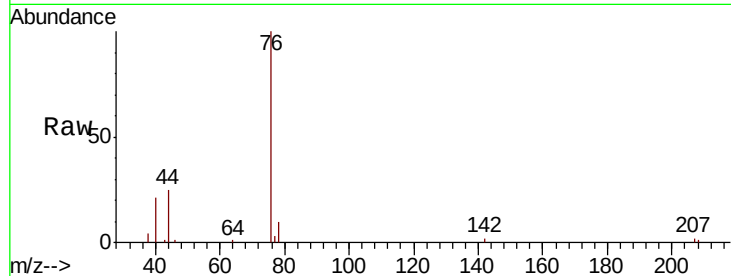
ClientSampleId :

Tot Ion: 76 Resp: 44719

Ion Ratio Lower Upper

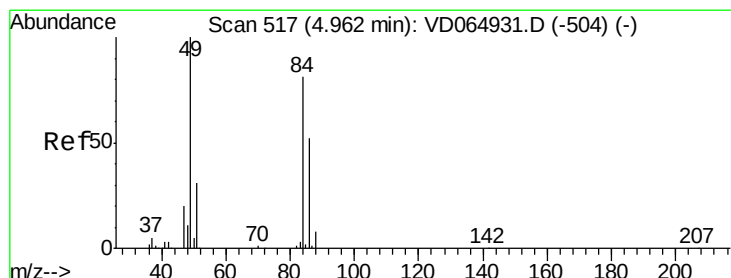
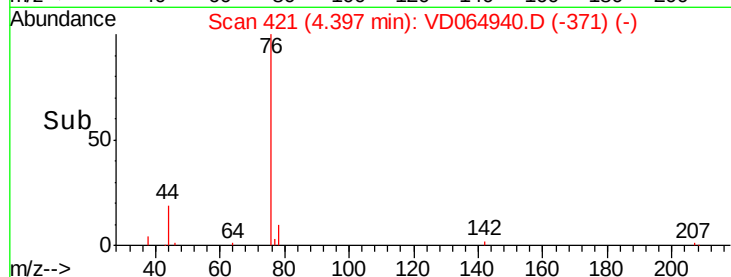
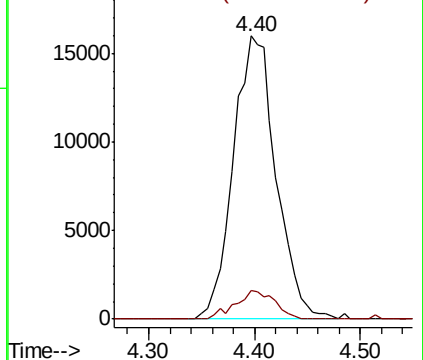
76 100

78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Tgt Ion: 84 Resp: 12748

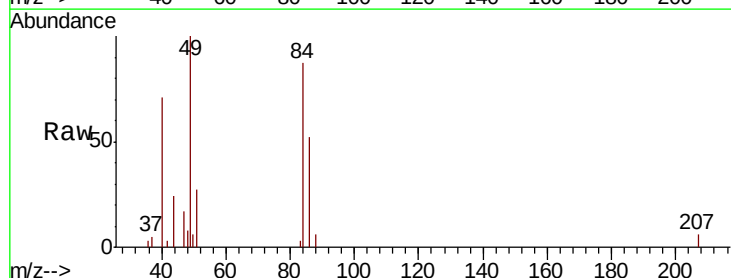
Ion Ratio Lower Upper

84 100

49 115.6 98.4 147.6

51 30.7 30.8 46.2#

86 59.5 51.0 76.6

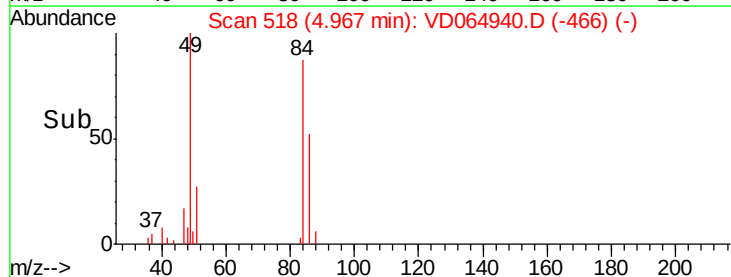
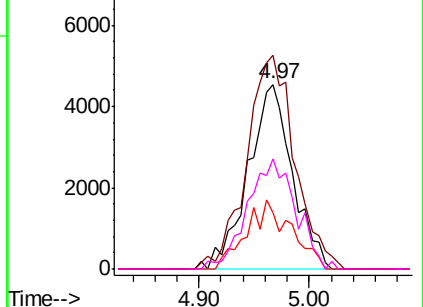


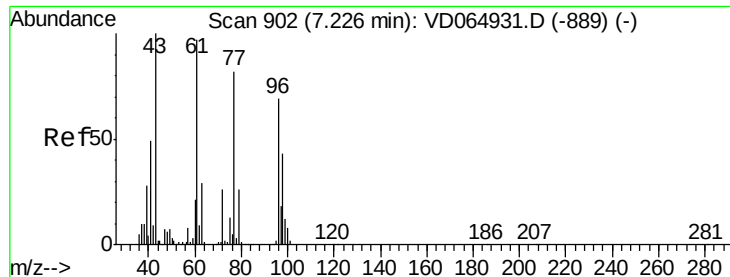
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 3.337 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

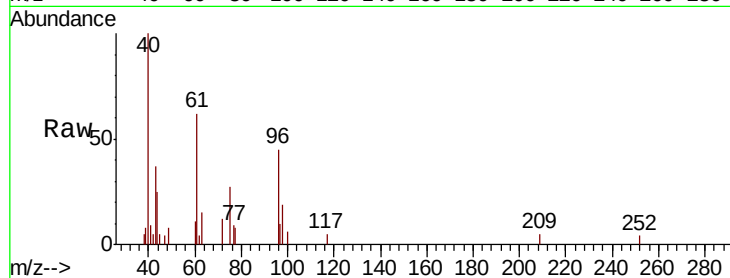
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 4289

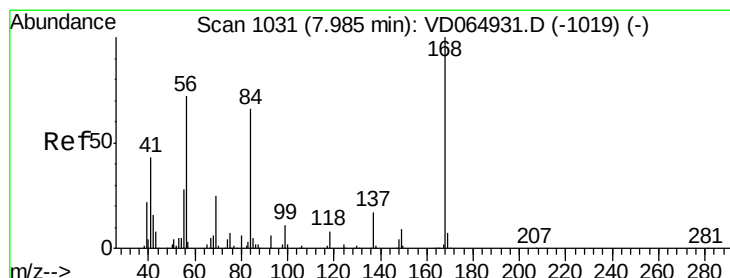
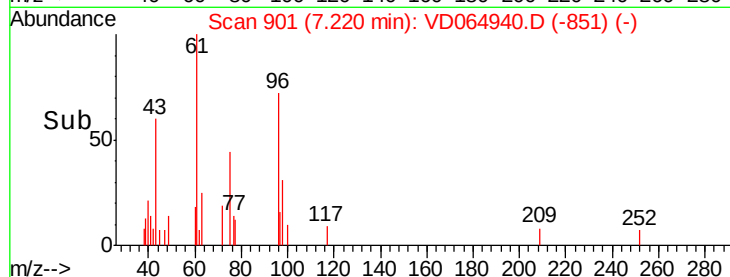
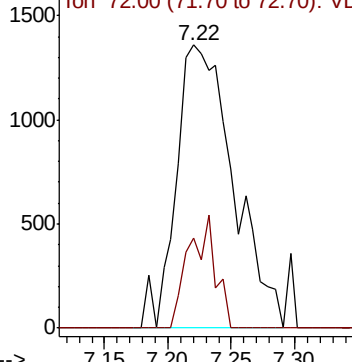
Ion Ratio Lower Upper

43 100

72 31.7 20.6 31.0#



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



#31

Cyclohexane

Concen: 1.502 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

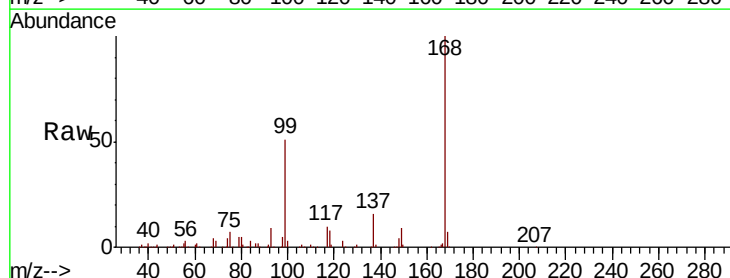
Tgt Ion: 56 Resp: 12453

Ion Ratio Lower Upper

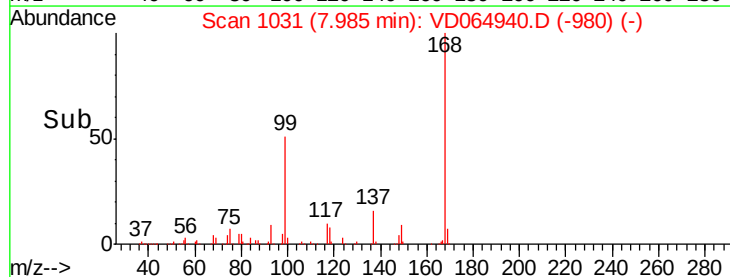
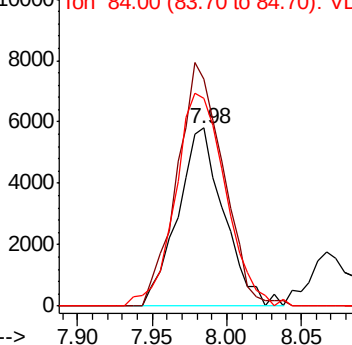
56 100

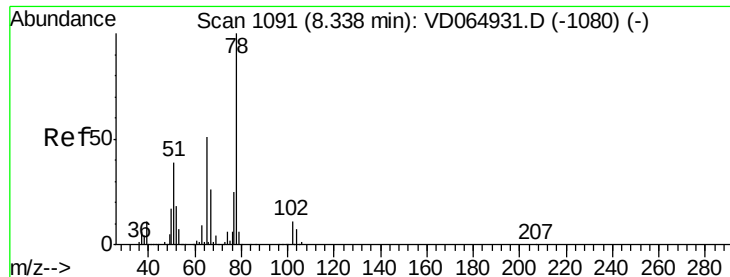
69 127.7 27.9 41.9#

84 112.9 72.8 109.2#



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

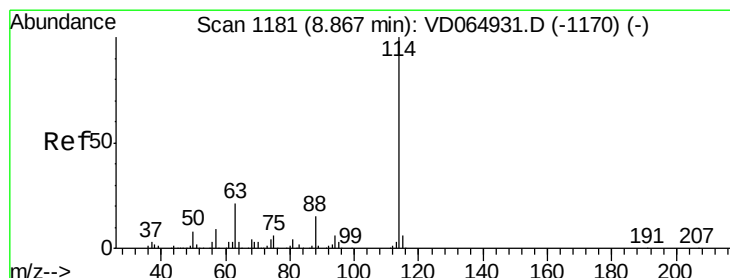
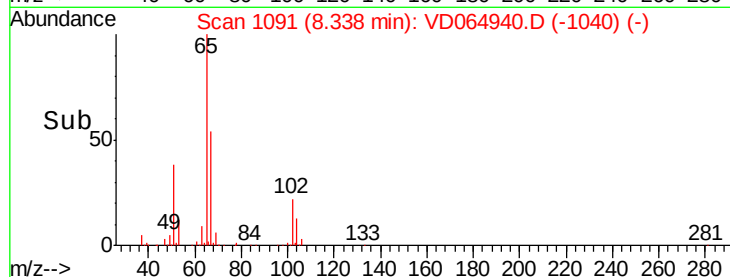
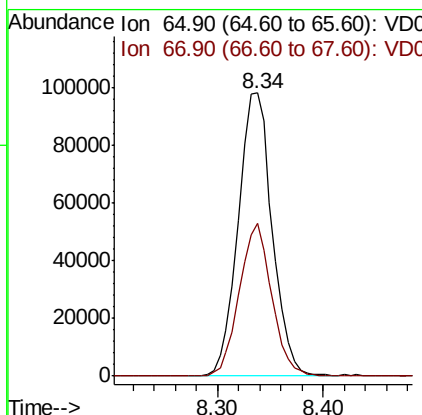
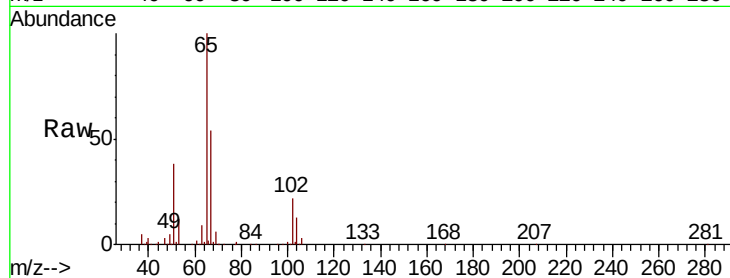




#33
 1,2-Dichloroethane-d4
 Concen: 46.219 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064940.D
 Acq: 24 Jan 2020 13:48

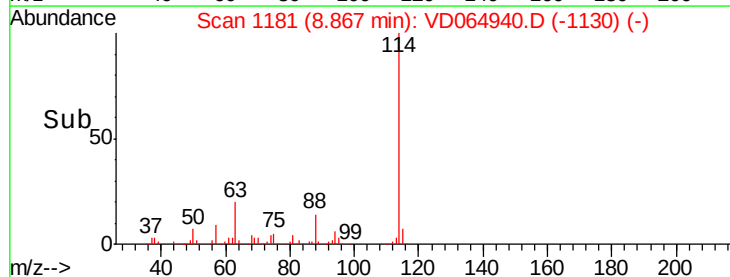
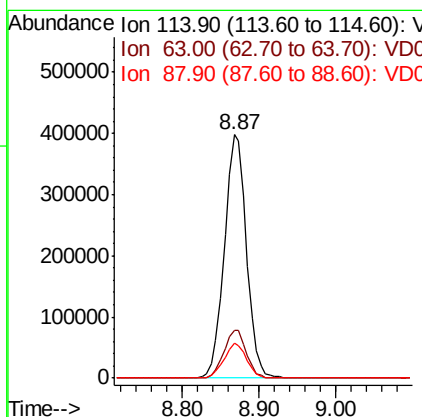
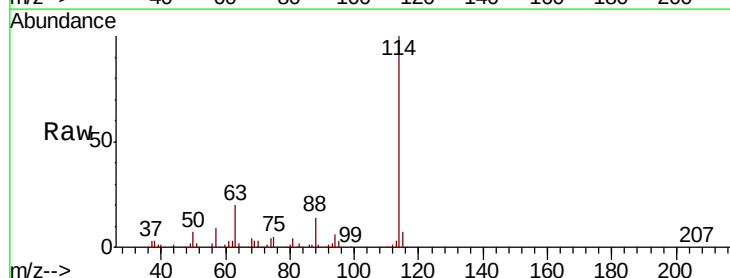
Instrument :
 MSVOA_D
 ClientSampled :

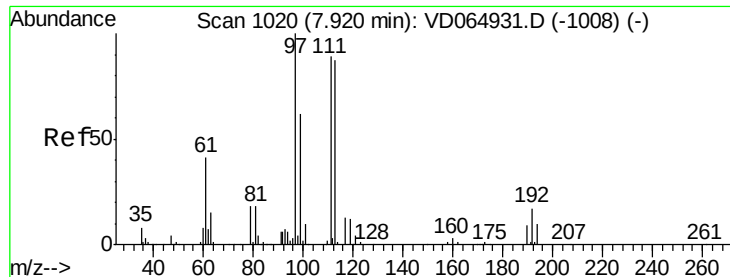
Tot Ion: 65 Resp: 219886
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064940.D
 Acq: 24 Jan 2020 13:48

Tgt Ion:114 Resp: 793427
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.0
 88 14.5 0.0 29.4

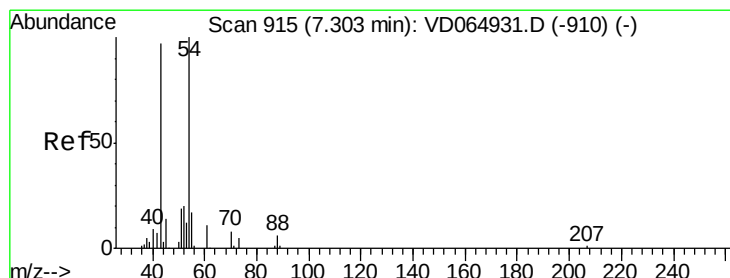
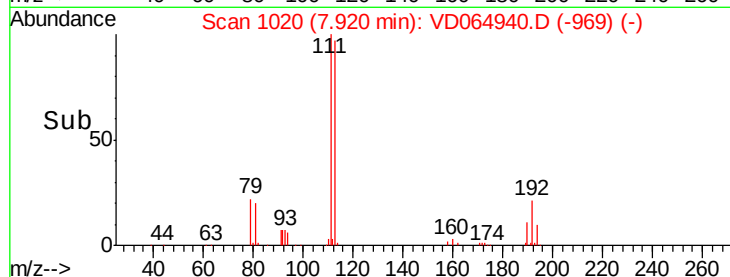
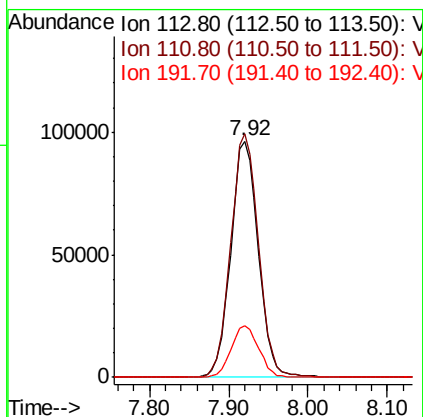
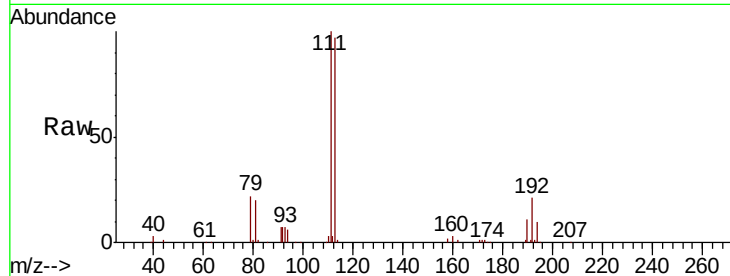




#35
 Dibromofluoromethane
 Concen: 46.400 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064940.D
 Acq: 24 Jan 2020 13:48

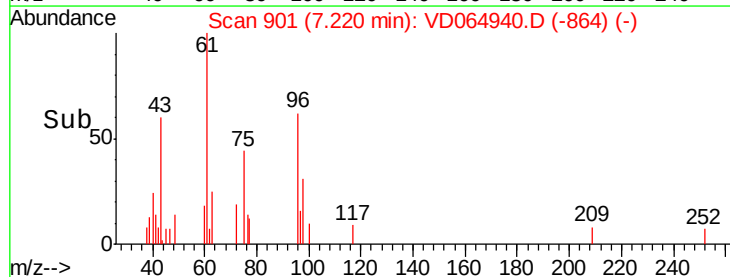
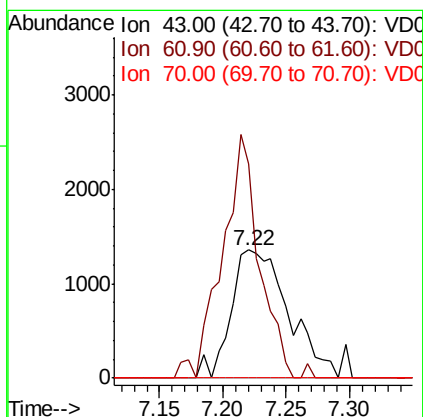
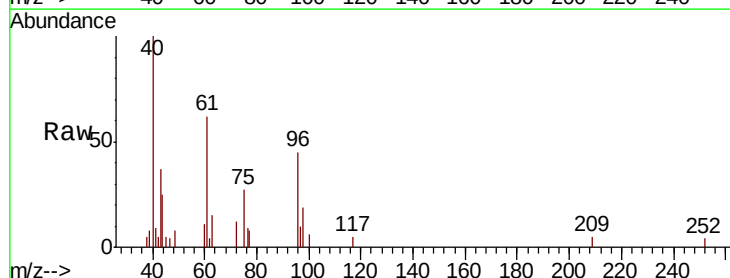
Instrument :
 MSVOA_D
 ClientSampleId :

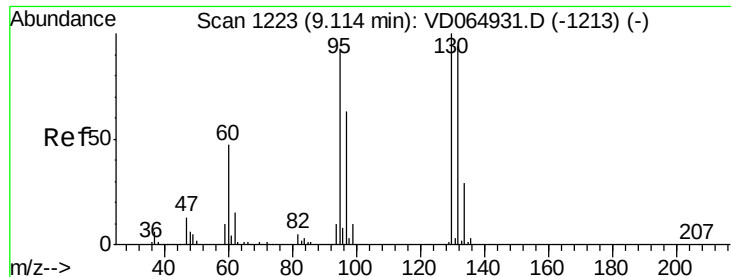
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	21.8	16.9	25.3



#37
 Ethyl Acetate
 Concen: 1.357 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064940.D
 Acq: 24 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	121.6	11.0	16.4#
70	0.0	7.5	11.3#





#44

Trichloroethene

Concen: 1.416 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Instrument :

MSVOA_D

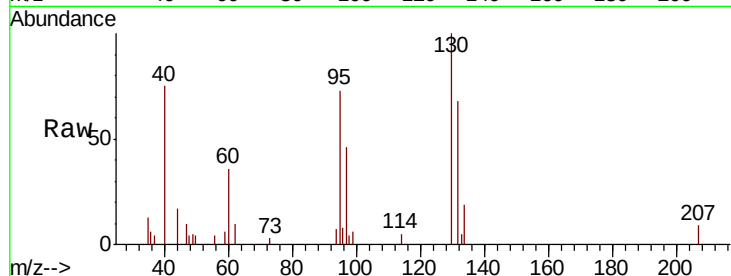
ClientSampled :

Tot Ion:130 Resp: 8348

Ion Ratio Lower Upper

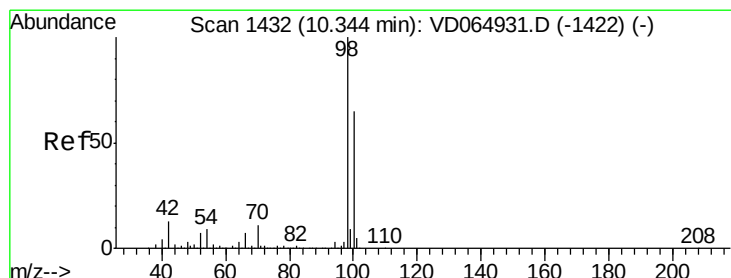
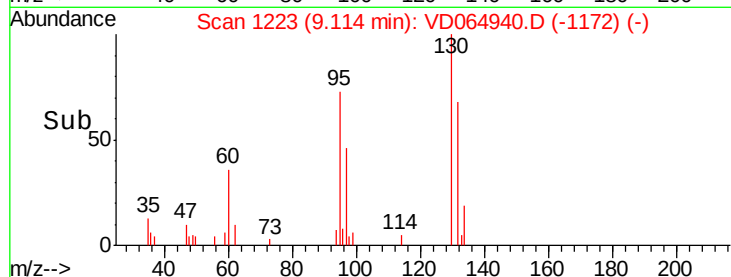
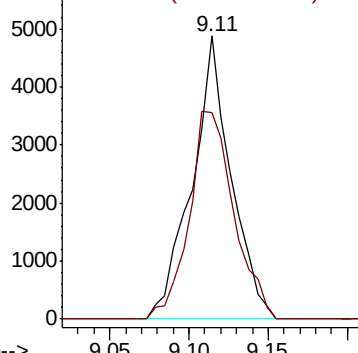
130 100

95 73.2 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 48.960 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064940.D

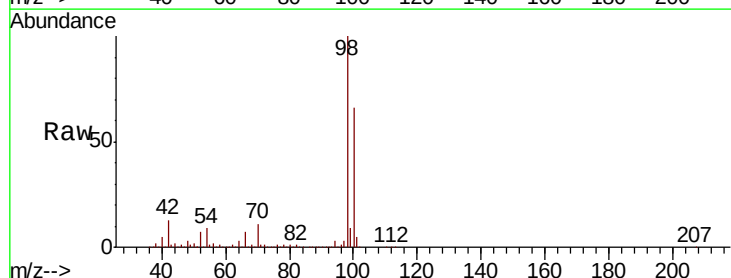
Acq: 24 Jan 2020 13:48

Tgt Ion: 98 Resp: 942196

Ion Ratio Lower Upper

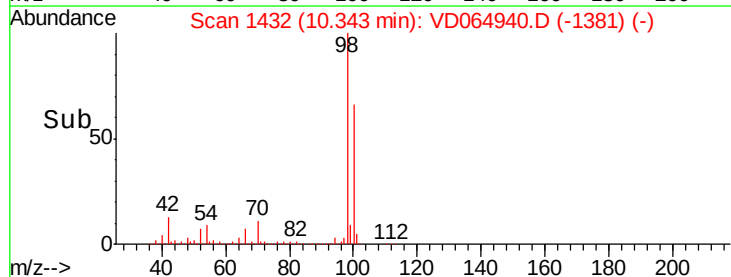
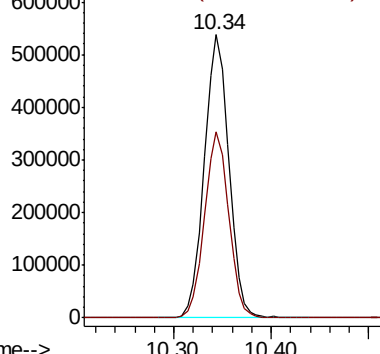
98 100

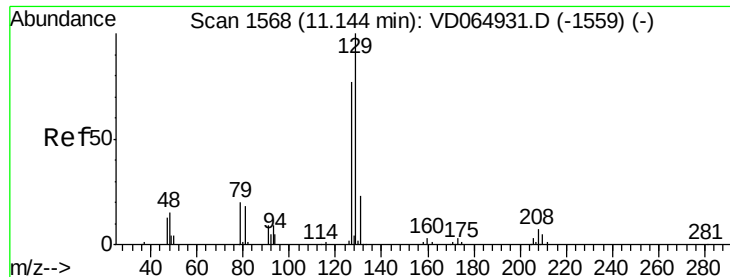
100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#60

Dibromochloromethane

Concen: 1.168 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.26 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Instrument :

MSVOA_D

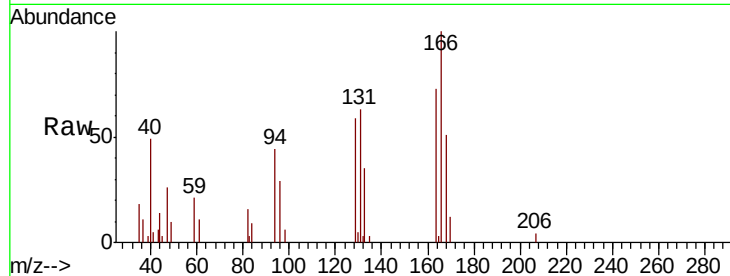
ClientSampleId :

Tot Ion:129 Resp: 5863

Ion Ratio Lower Upper

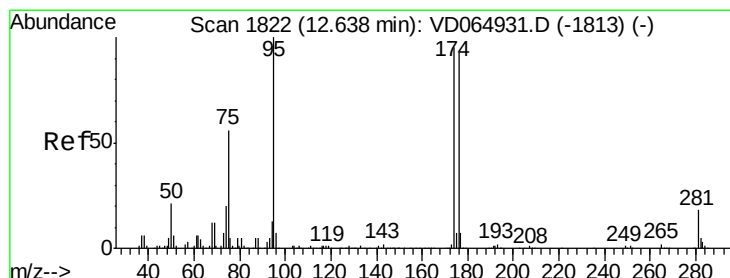
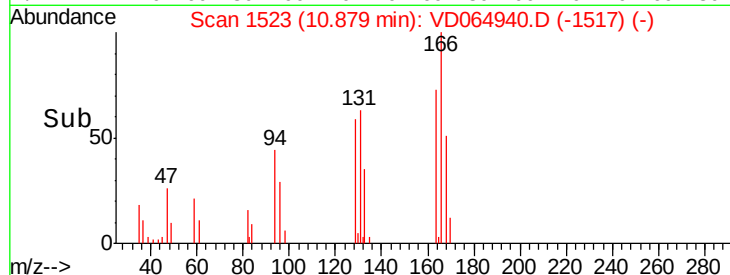
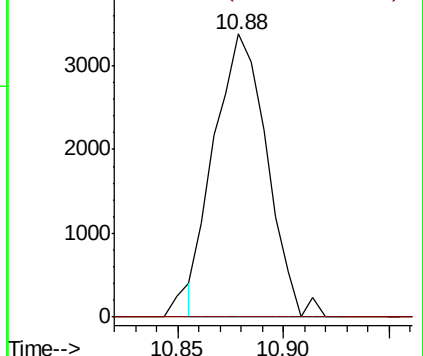
129 100

127 0.0 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.216 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

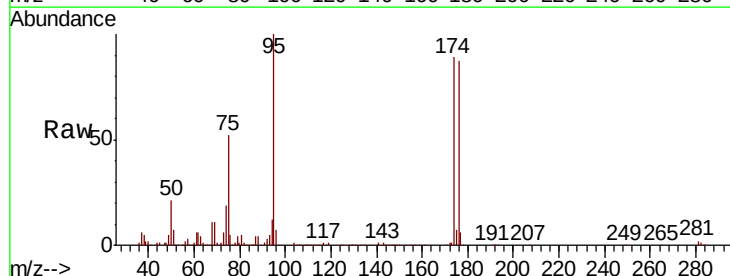
Tgt Ion: 95 Resp: 289835

Ion Ratio Lower Upper

95 100

174 91.1 0.0 186.8

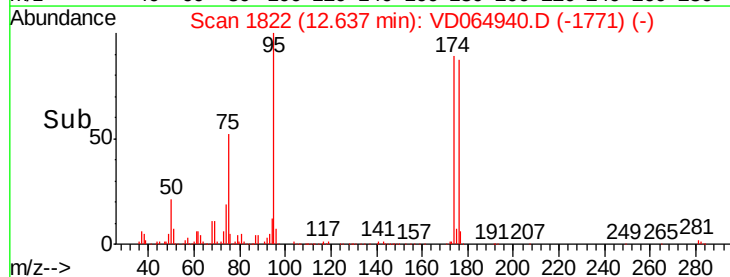
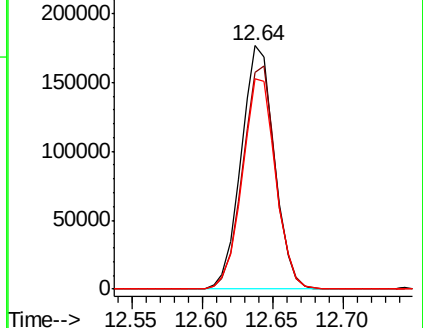
176 87.3 0.0 183.4

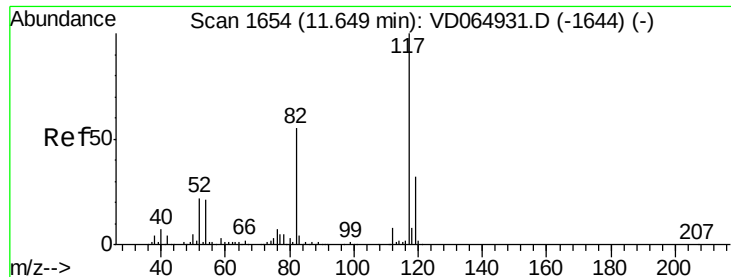


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

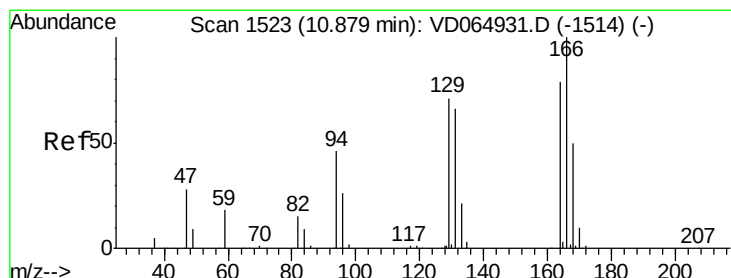
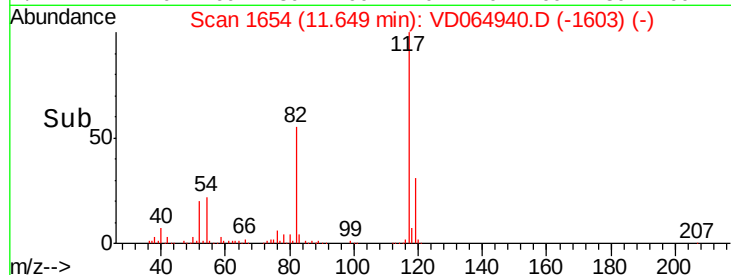
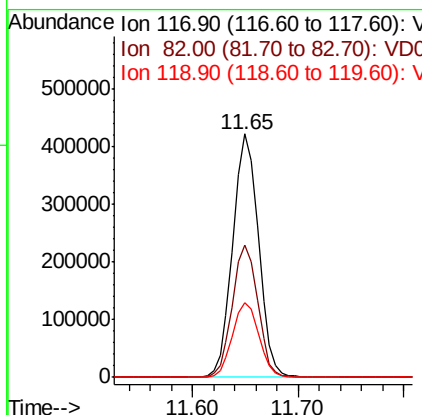
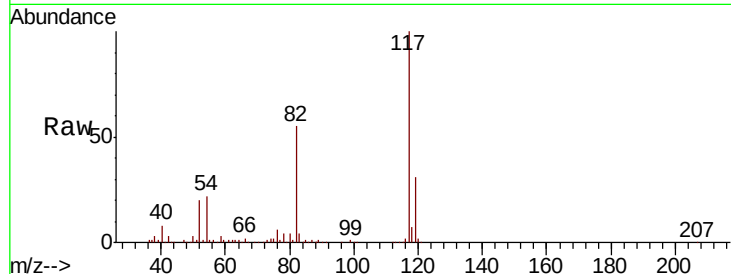




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064940.D
Acq: 24 Jan 2020 13:48

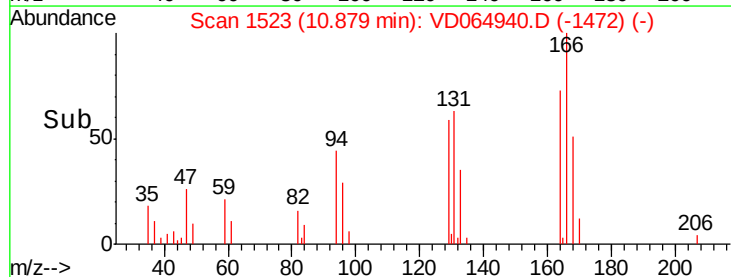
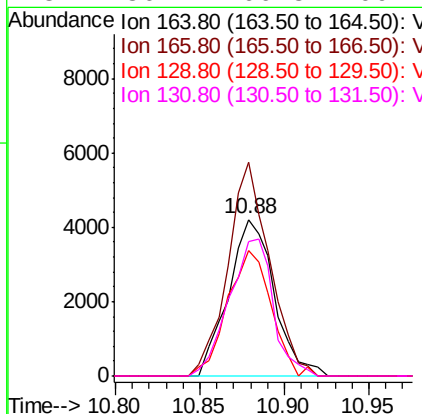
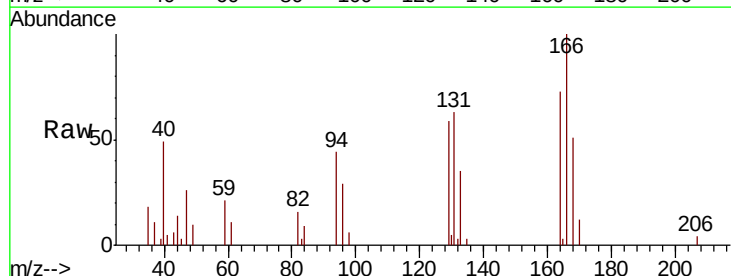
Instrument :
MSVOA_D
ClientSampleId :

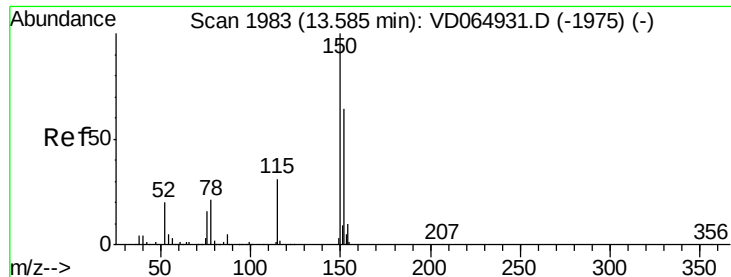
Tot Ion:117 Resp: 710291
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 30.9 25.2 37.8



#64
Tetrachloroethene
Concen: 1.546 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064940.D
Acq: 24 Jan 2020 13:48

Tgt Ion:164 Resp: 7937
Ion Ratio Lower Upper
164 100
166 136.3 101.4 152.2
129 80.1 71.8 107.8
131 86.1 66.8 100.2



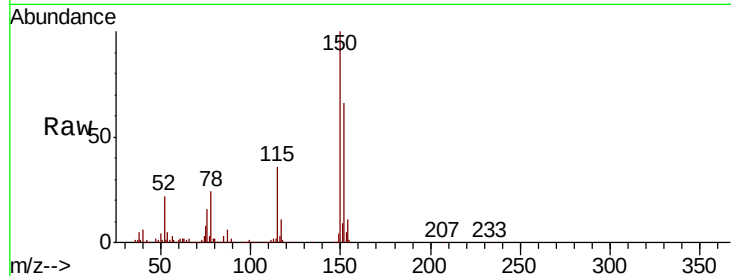


#72

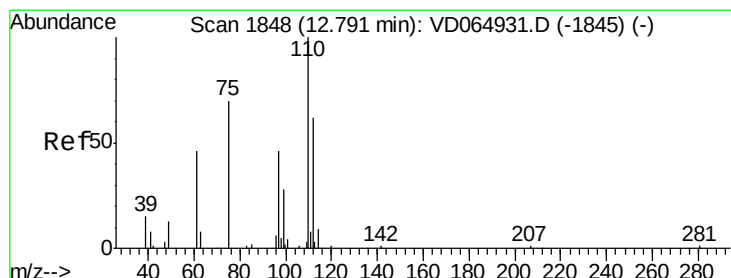
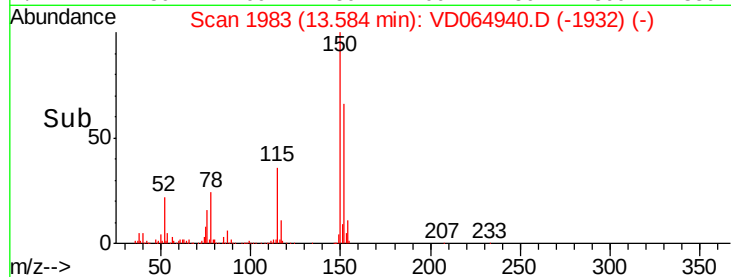
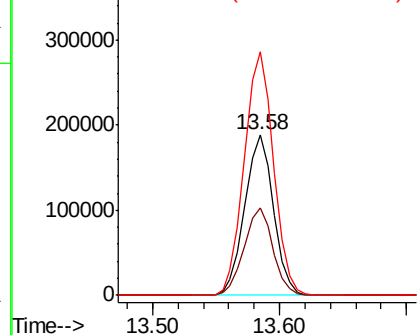
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064940.D
Acq: 24 Jan 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.1	84.4
150	154.5	0.0	350.4



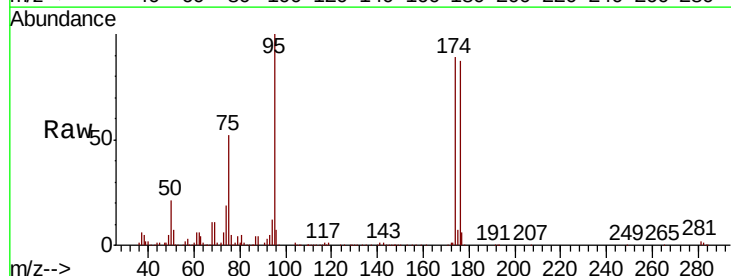
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



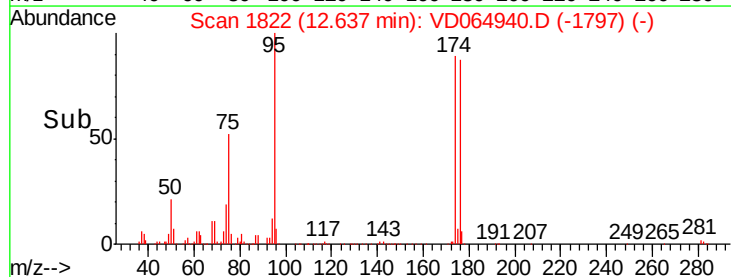
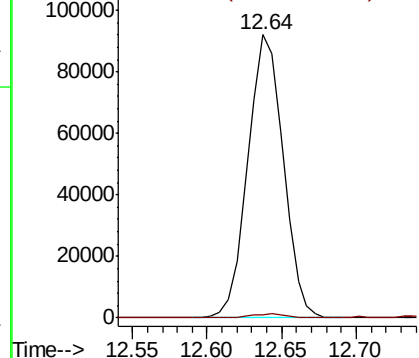
#76

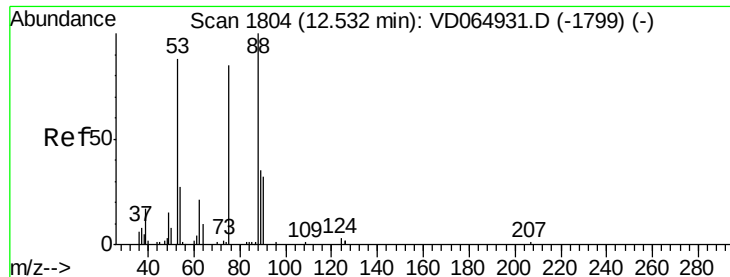
1,2,3-Trichloropropane
Concen: 61.516 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064940.D
Acq: 24 Jan 2020 13:48

Tgt 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

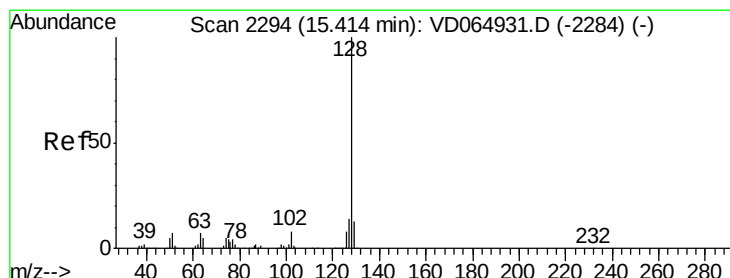
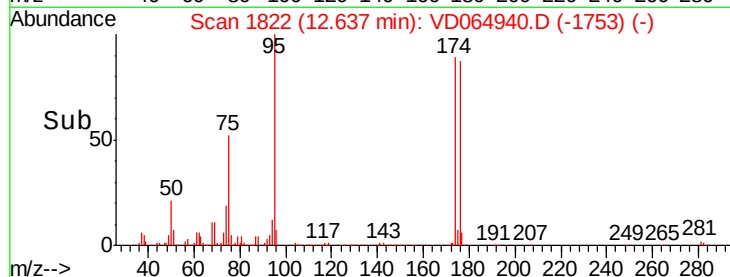
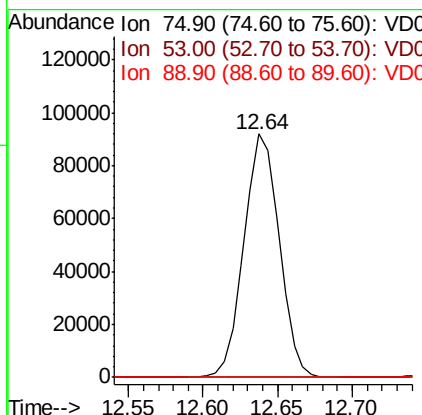
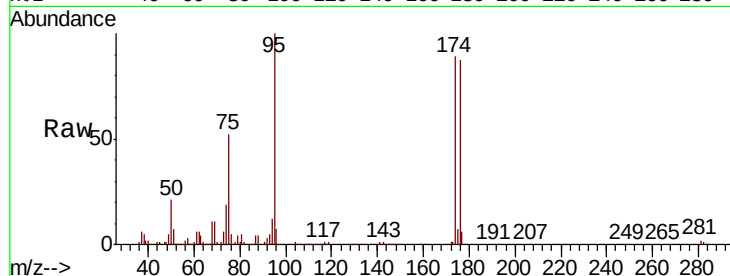




#81
trans-1,4-Dichloro-2-butene
Concen: 131.352 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064940.D
Acq: 24 Jan 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 150983
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 1.248 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064940.D
Acq: 24 Jan 2020 13:48

Tgt Ion:128 Resp: 11222
Ion Ratio Lower Upper
128 100
127 17.8 10.6 15.8#
129 14.2 9.3 13.9#

