

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064967.D
 Acq On : 27 Jan 2020 16:54
 Operator : VA/SY
 Sample : L1242-11RE
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 22:31:10 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	414824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258891	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	220577	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
35) Dibromofluoromethane	7.92	113	85442	20.10	ug/l	0.00
Spiked Amount			Recovery	=	40.20%	
50) Toluene-d8	10.34	98	811016	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.64	95	254437	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

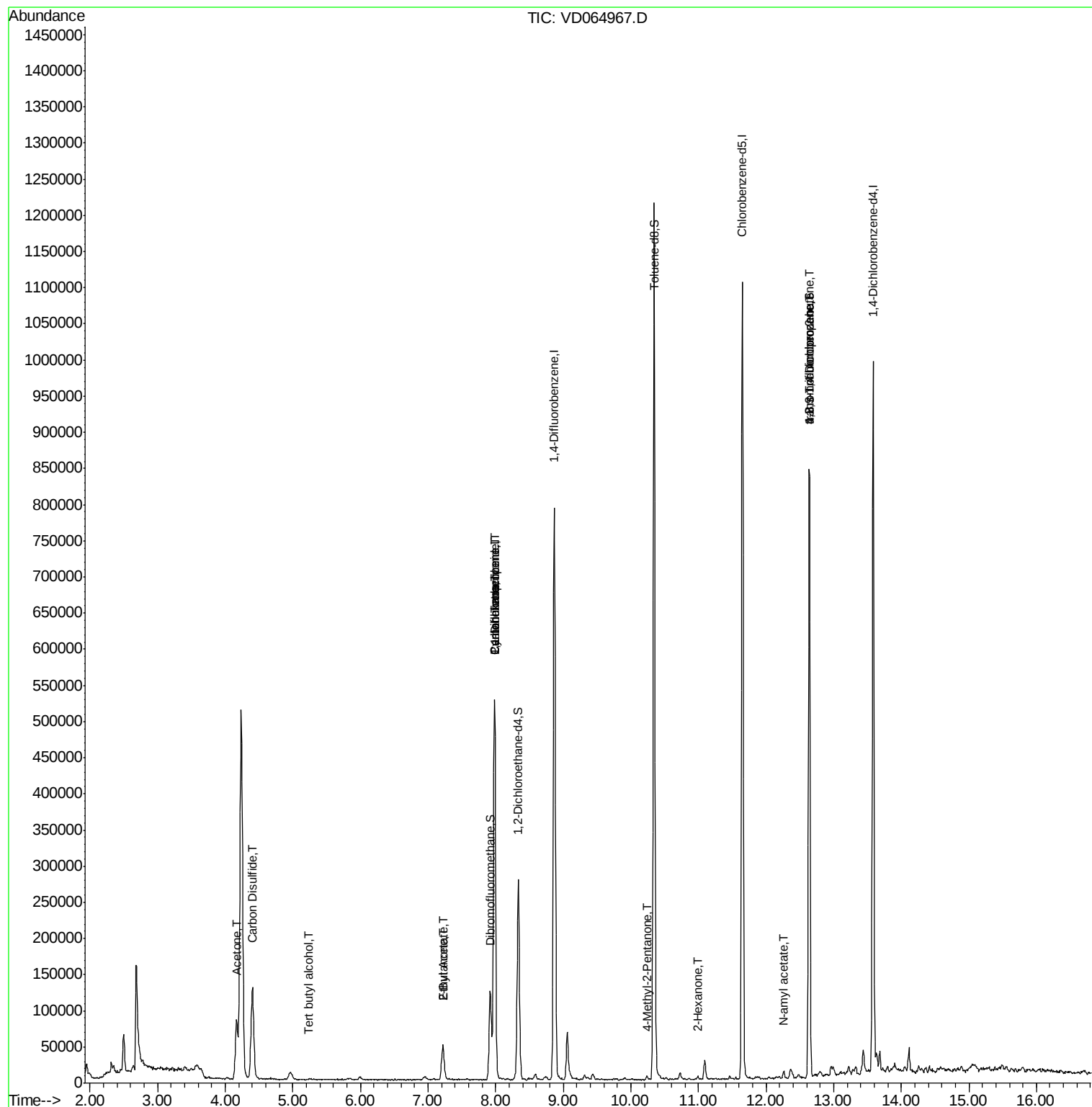
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	294	1.337	ug/l #	74
16) Acetone	4.17	43	147870	151.691	ug/l	97
17) Carbon Disulfide	4.40	76	264083	22.222	ug/l	98
20) Methylene Chloride	4.97	84	7430	Below Cal	#	87
25) 2-Butanone	7.22	43	36036	33.522	ug/l	98
31) Cyclohexane	7.98	56	9048	1.305	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	29622	4.541	ug/l #	50
37) Ethyl Acetate	7.22	43	36036	13.375	ug/l #	76
38) Carbon Tetrachloride	7.98	117	39759	5.767	ug/l #	17
51) 4-Methyl-2-Pentanone	10.23	43	3207	1.252	ug/l #	76
59) 2-Hexanone	10.99	43	3207	1.816	ug/l	75
74) N-amyl acetate	12.26	43	6117	1.545	ug/l #	48
76) 1,2,3-Trichloropropane	12.64	75	137731	64.096	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	137731	136.860	ug/l #	9

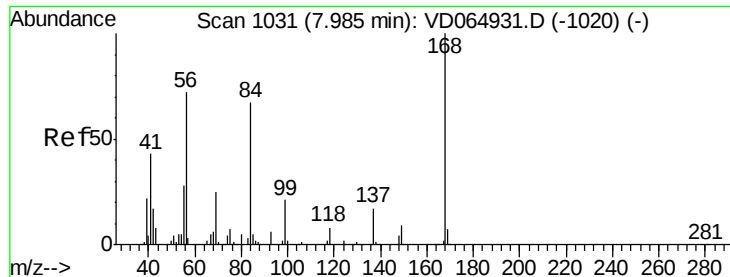
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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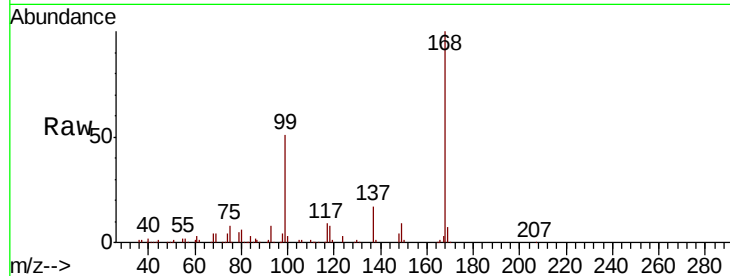




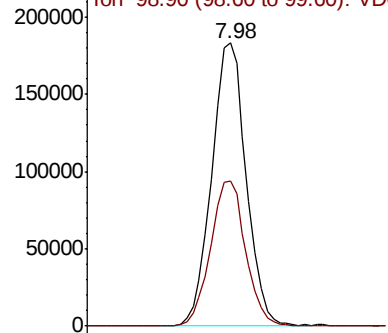
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Instrument :
MSVOA_D
ClientSampleId :

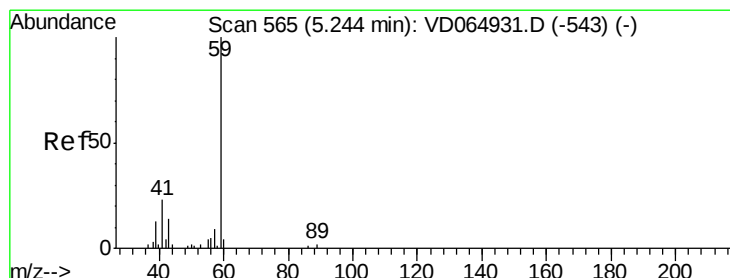
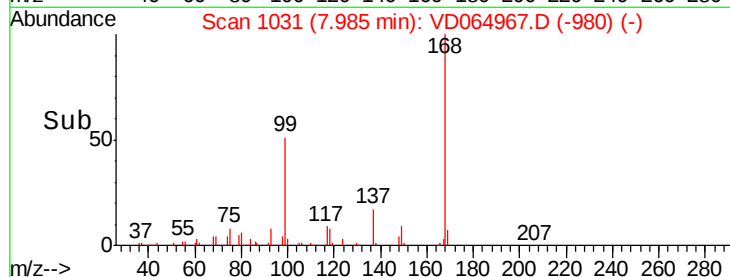
Tot Ion:168 Resp: 414824
Ion Ratio Lower Upper
168 100
99 51.2 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V

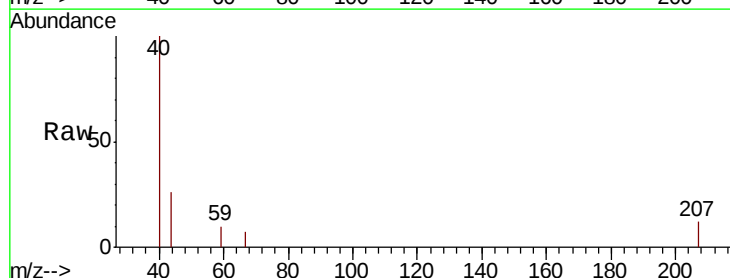


Time-->

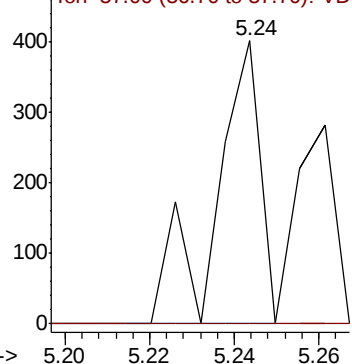


#11
Tert butyl alcohol
Concen: 1.337 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

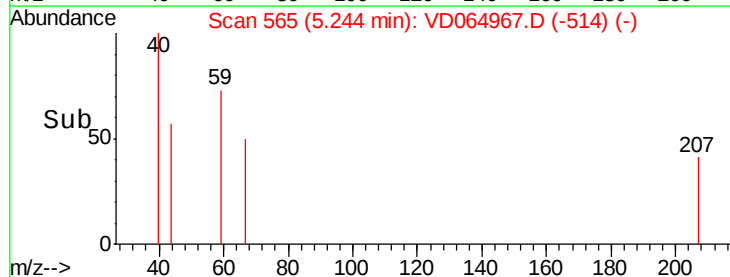
Tgt Ion: 59 Resp: 294
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

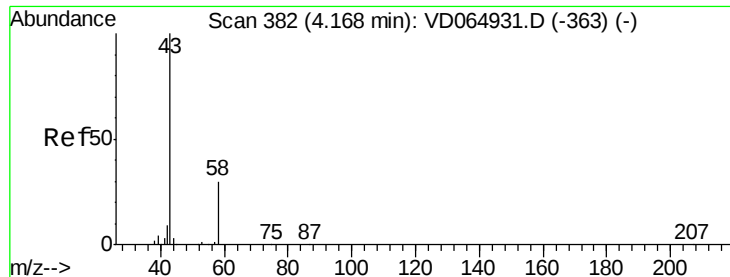


Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V



Time-->





#16

Acetone

Concen: 151.691 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064967.D

Acq: 27 Jan 2020 16:54

Instrument :

MSVOA_D

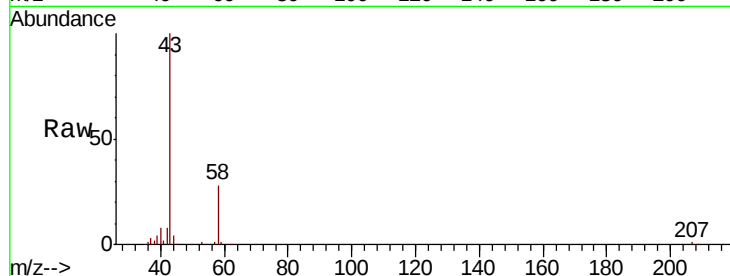
ClientSampleId :

Tot Ion: 43 Resp: 147870

Ion Ratio Lower Upper

43 100

58 28.1 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

60000

50000

40000

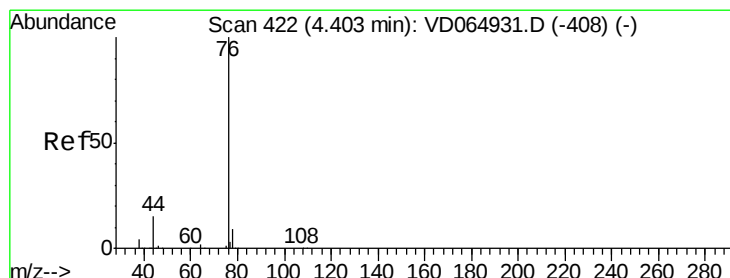
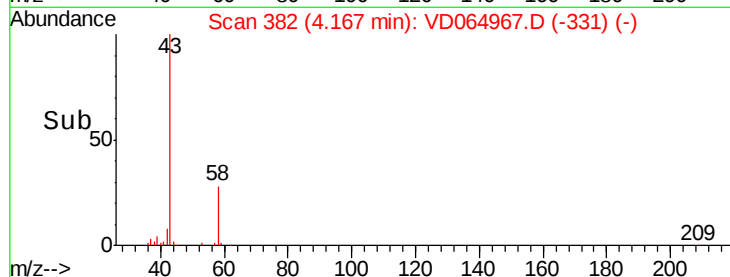
30000

20000

10000

0

Time--> 4.00 4.10 4.20 4.30



#17

Carbon Disulfide

Concen: 22.222 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064967.D

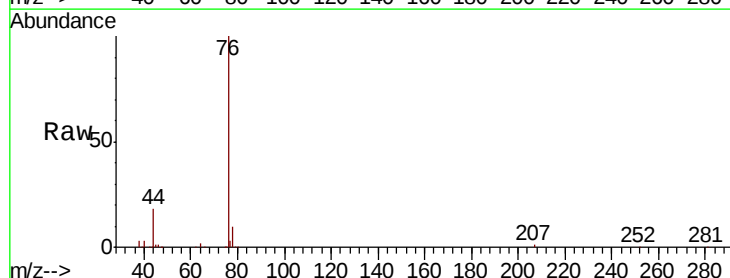
Acq: 27 Jan 2020 16:54

Tgt Ion: 76 Resp: 264083

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

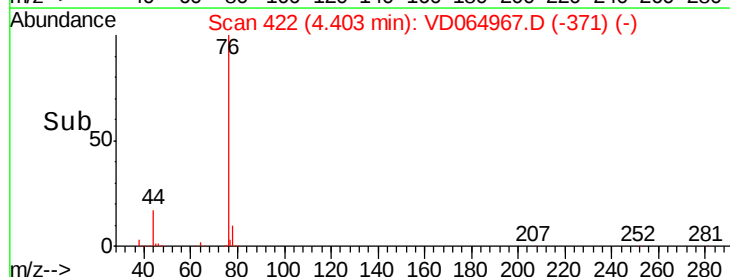
60000

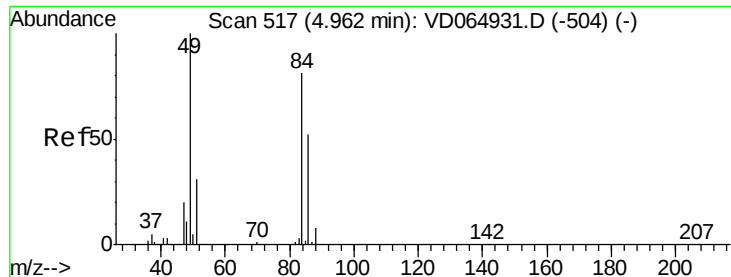
40000

20000

0

Time--> 4.30 4.40 4.50

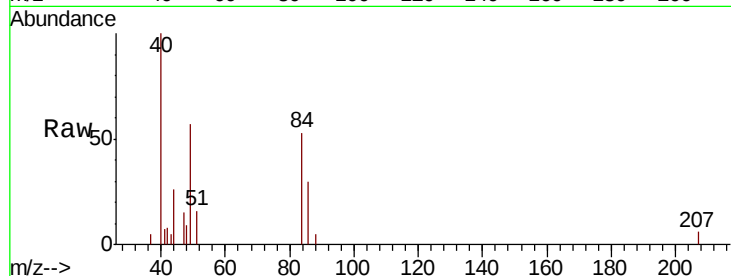




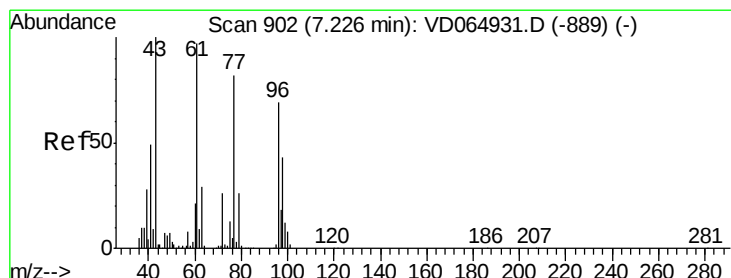
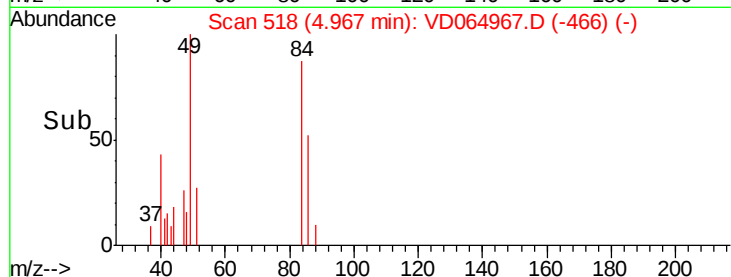
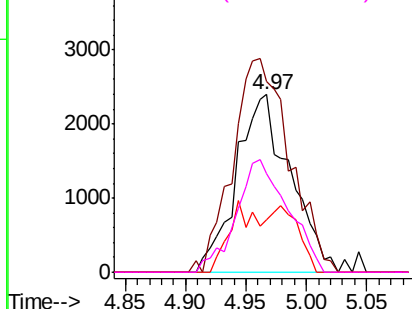
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 7430
Ion Ratio Lower Upper
84 100
49 107.3 98.4 147.6
51 29.2 30.8 46.2#
86 55.6 51.0 76.6

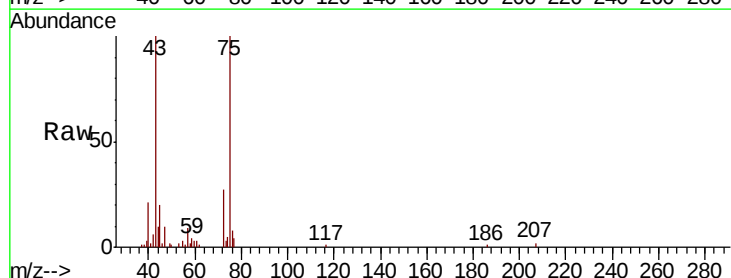


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

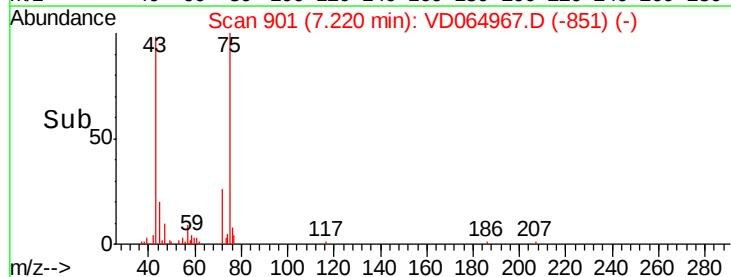
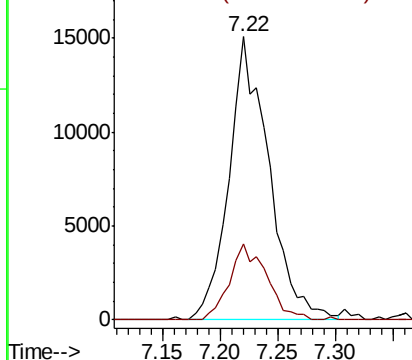


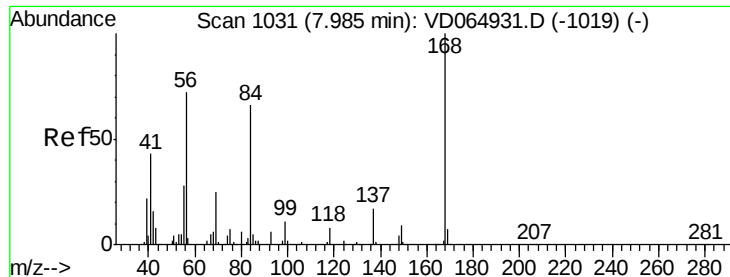
#25
2-Butanone
Concen: 33.522 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Tgt Ion: 43 Resp: 36036
Ion Ratio Lower Upper
43 100
72 27.0 20.6 31.0



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

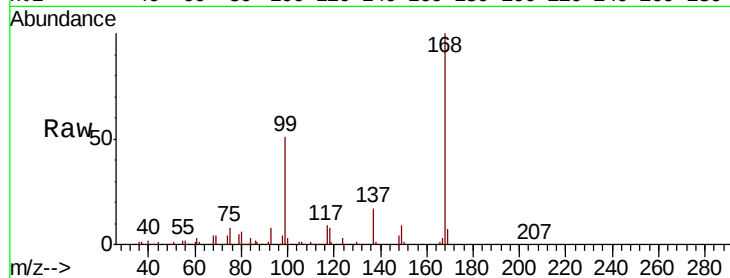




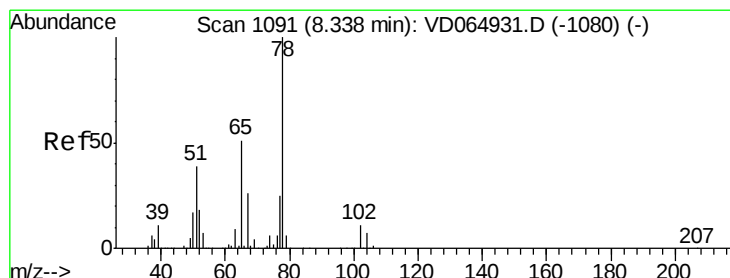
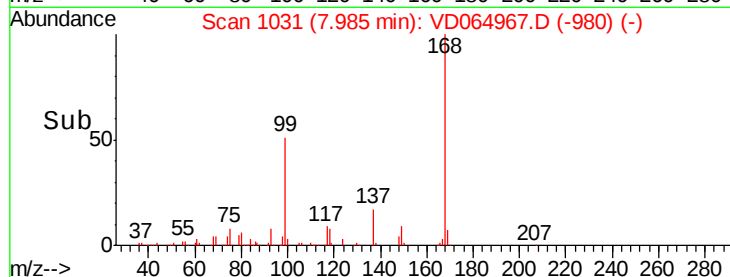
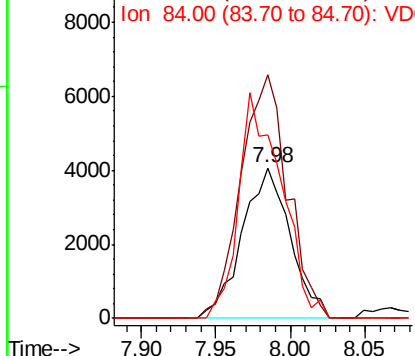
#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 9048
Ion Ratio Lower Upper
56 100
69 162.0 27.9 41.9#
84 122.1 72.8 109.2#

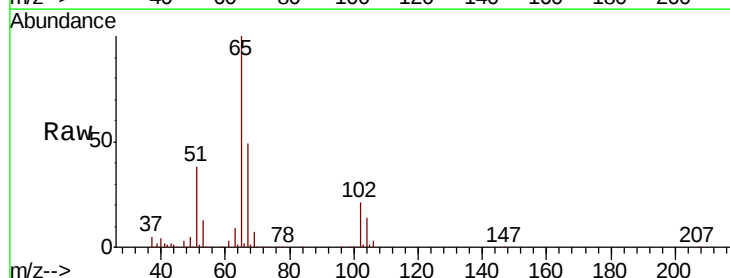


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

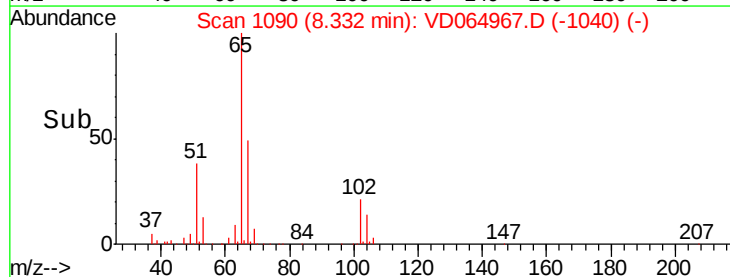
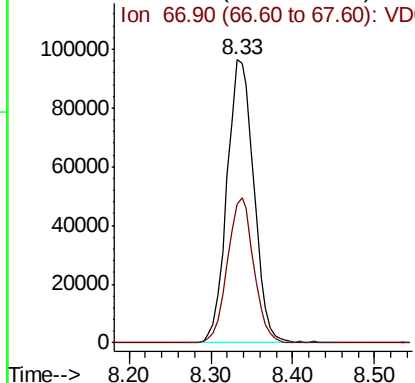


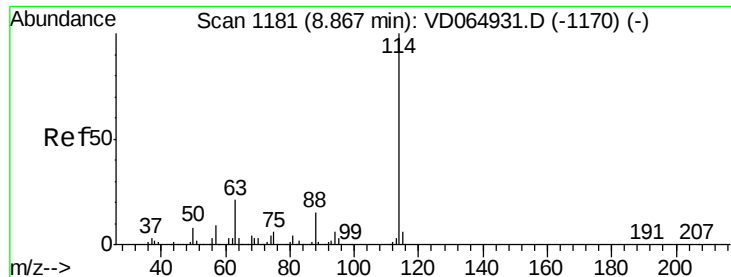
#33
1,2-Dichloroethane-d4
Concen: 55.434 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Tgt Ion: 65 Resp: 220577
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.6



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

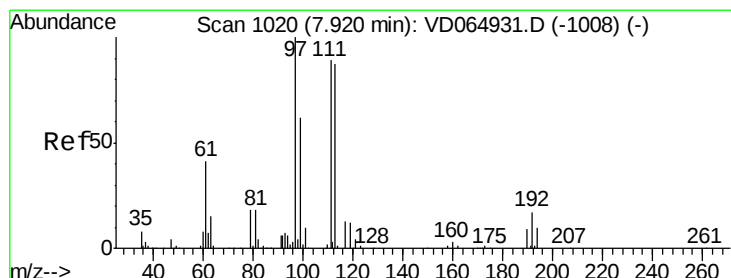
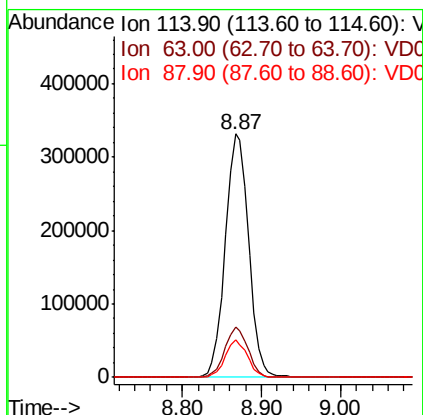
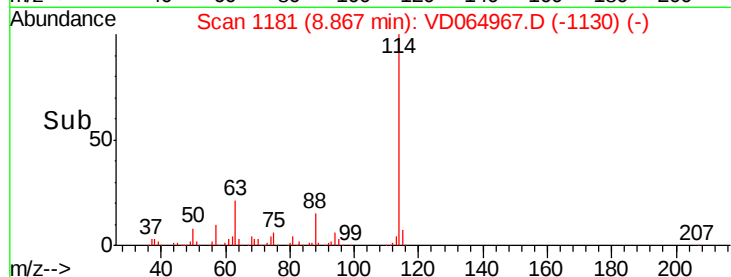
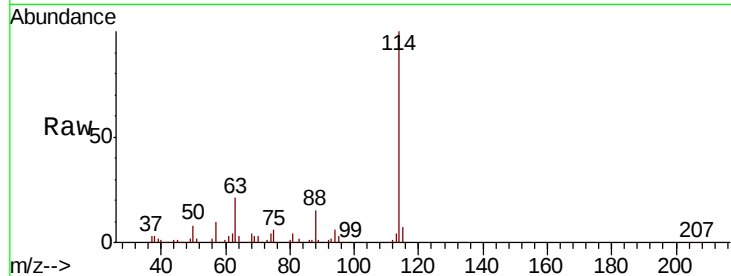




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064967.D
 Acq: 27 Jan 2020 16:54

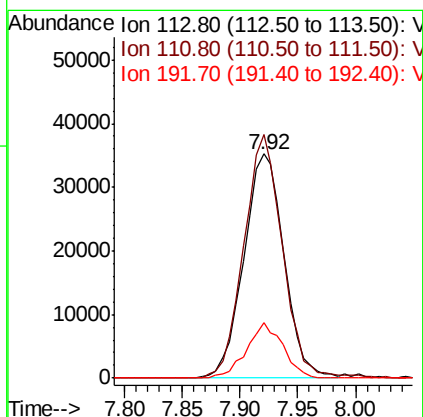
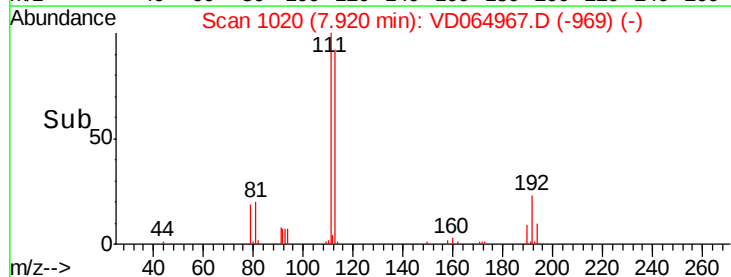
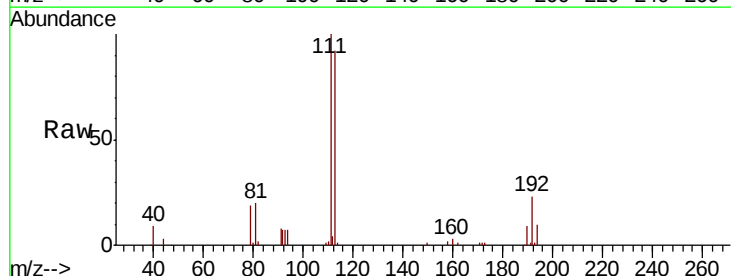
Instrument :
 MSVOA_D
 ClientSampleId :

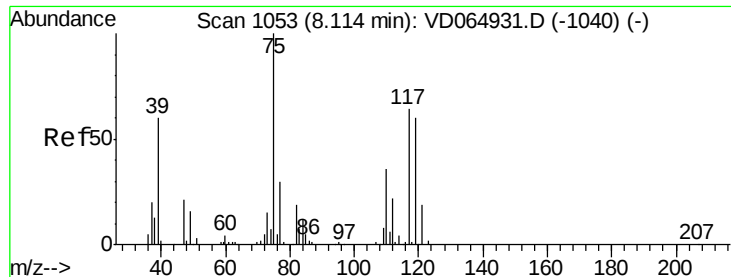
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.0
88	15.4	0.0	29.4



#35
 Dibromofluoromethane
 Concen: 20.100 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064967.D
 Acq: 27 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.4	123.6
192	22.1	16.9	25.3

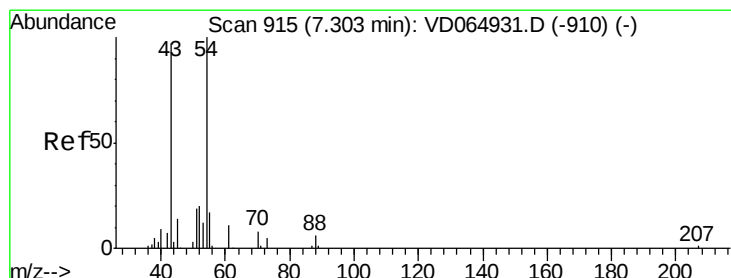
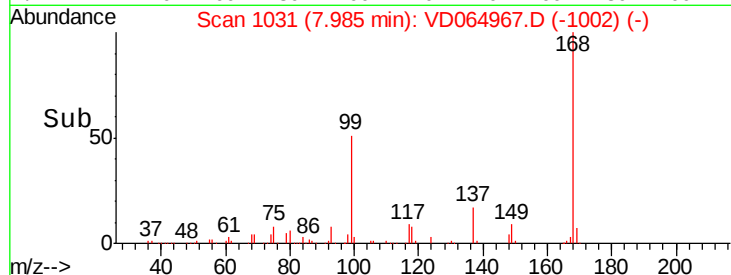
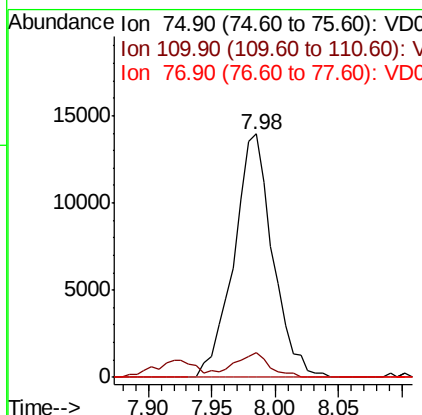
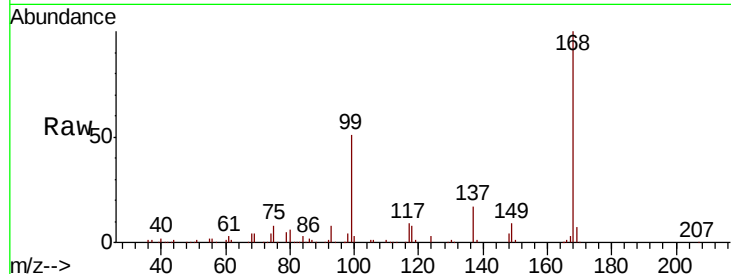




#36
 1,1-Dichloropropene
 Concen: 4.541 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064967.D
 Acq: 27 Jan 2020 16:54

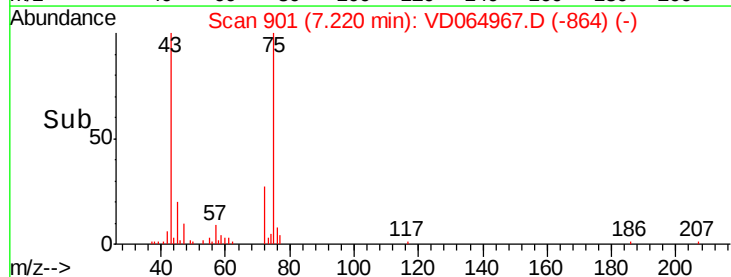
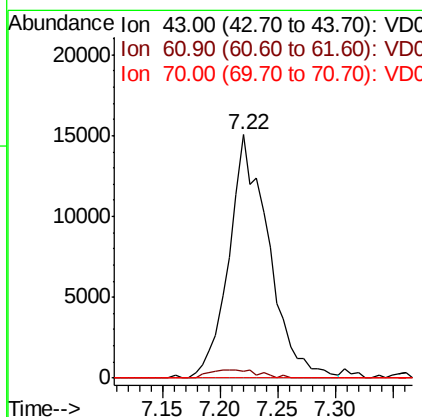
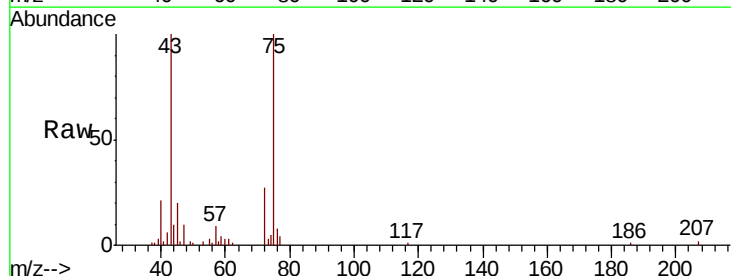
Instrument :
 MSVOA_D
 ClientSampled :

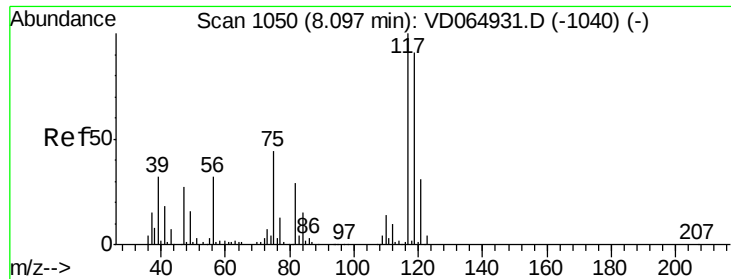
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.3	52.0#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 13.375 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064967.D
 Acq: 27 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.2	11.0	16.4#
70	0.0	7.5	11.3#

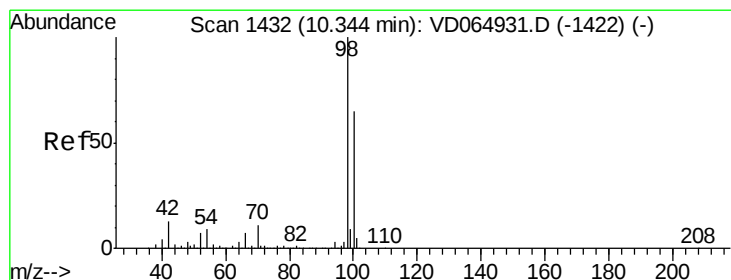
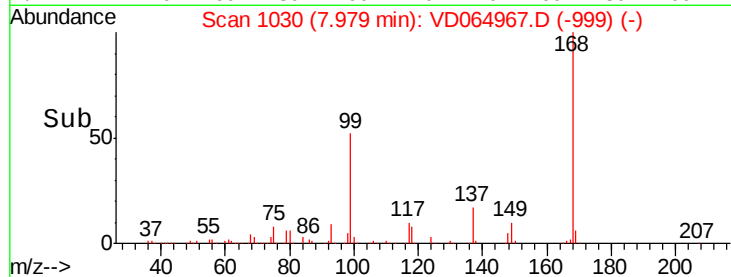
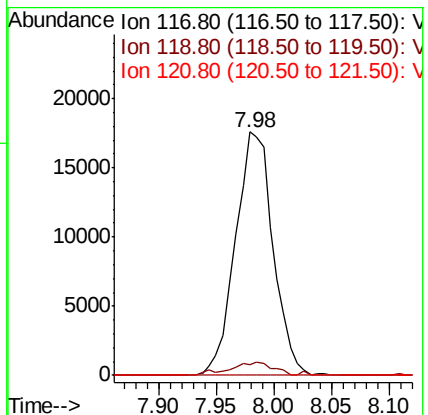
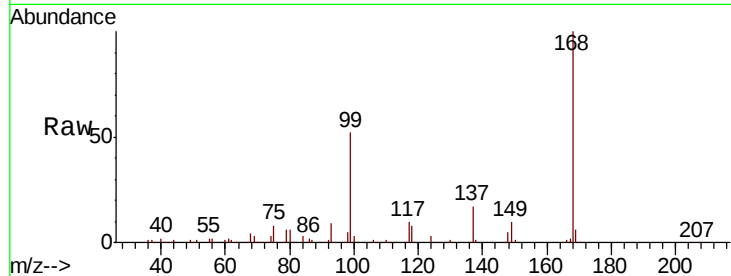




#38
Carbon Tetrachloride
Concen: 5.767 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

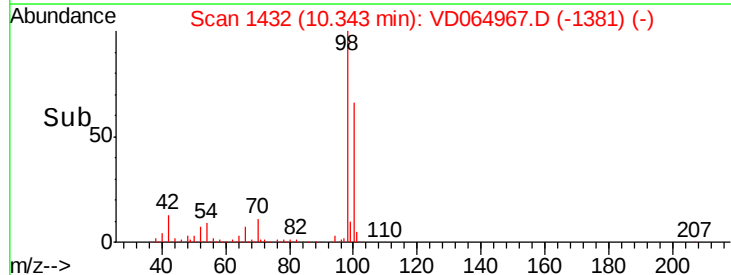
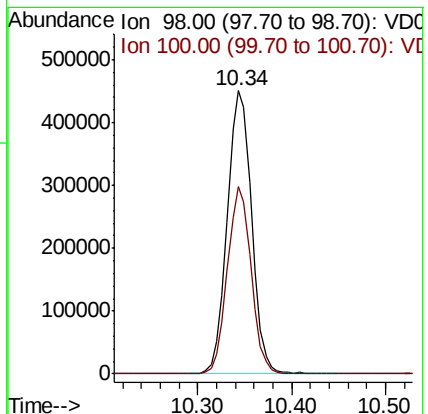
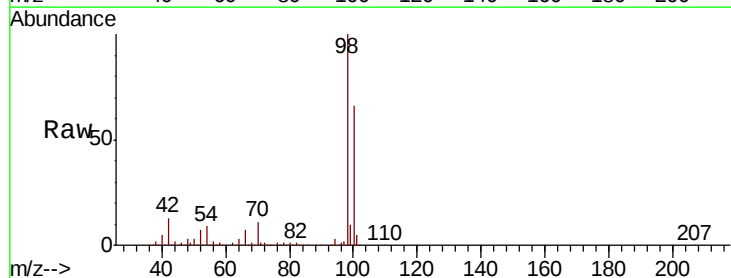
Instrument :
MSVOA_D
ClientSampled :

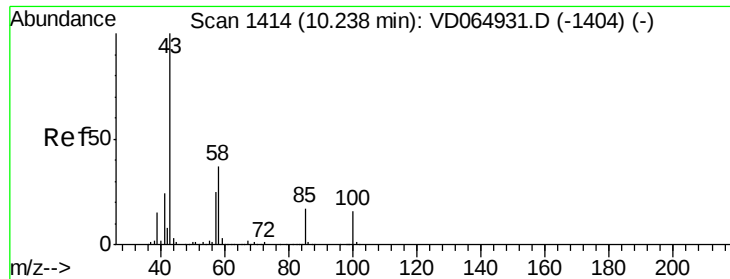
Tot Ion:117 Resp: 39759
Ion Ratio Lower Upper
117 100
119 4.4 73.2 109.8#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.431 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Tgt Ion: 98 Resp: 811016
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.252 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064967.D

Acq: 27 Jan 2020 16:54

Instrument :

MSVOA_D

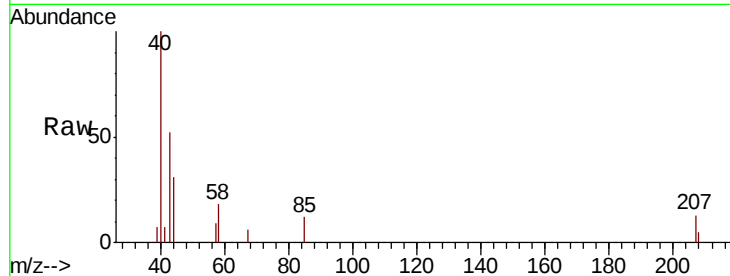
ClientSampleId :

Tot Ion: 43 Resp: 3207

Ion Ratio Lower Upper

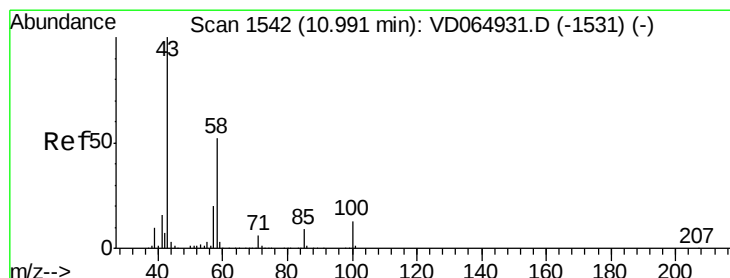
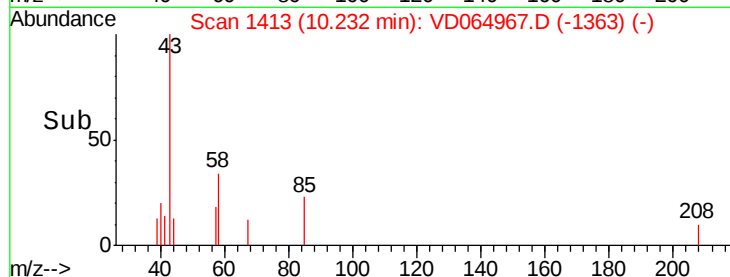
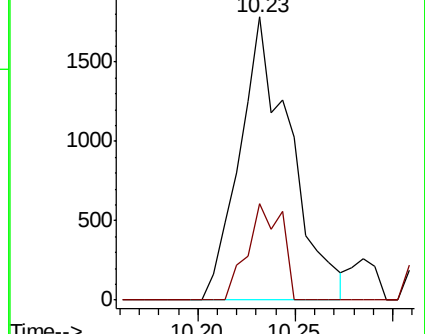
43 100

58 23.2 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#59

2-Hexanone

Concen: 1.816 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD064967.D

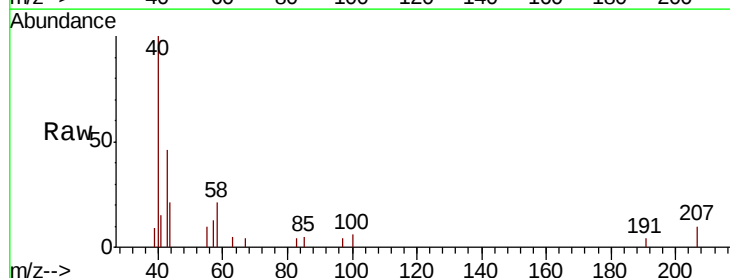
Acq: 27 Jan 2020 16:54

Tgt Ion: 43 Resp: 3207

Ion Ratio Lower Upper

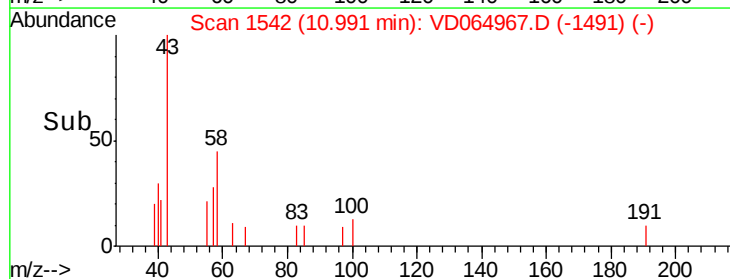
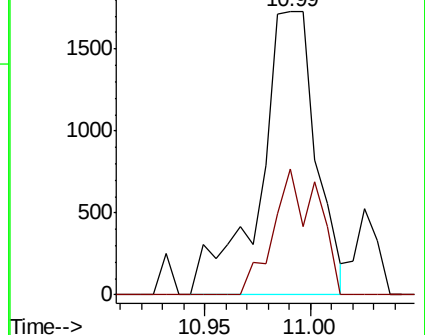
43 100

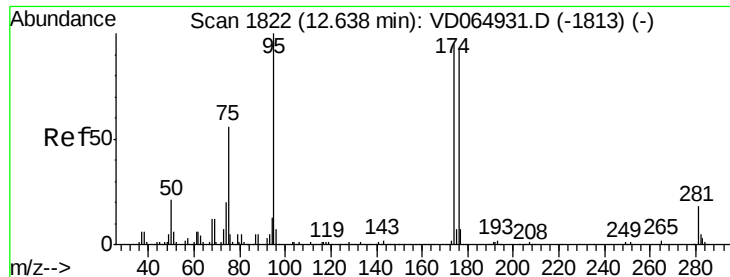
58 34.9 26.5 79.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

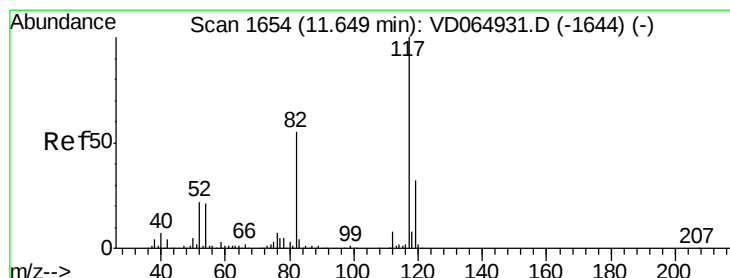
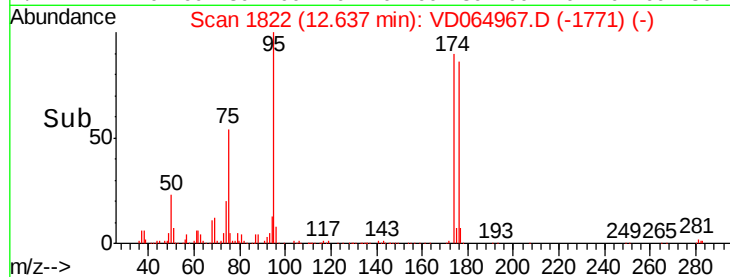
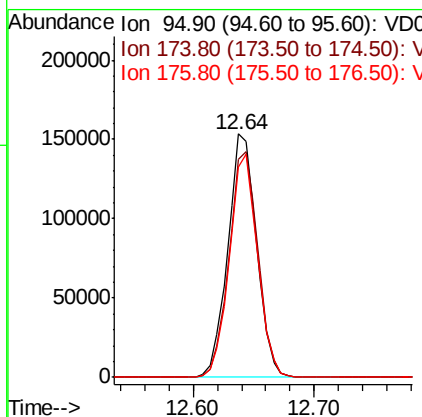
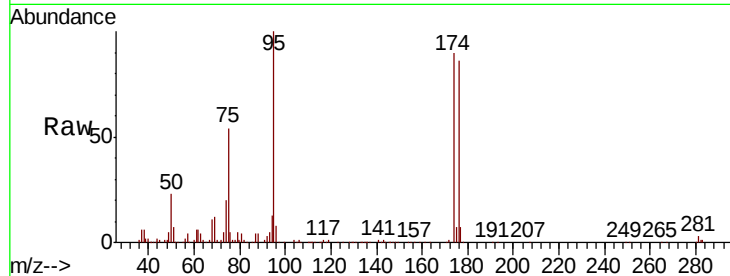




#62
4-Bromofluorobenzene
Concen: 50.676 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

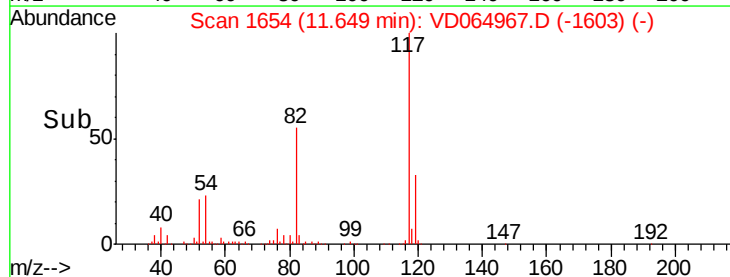
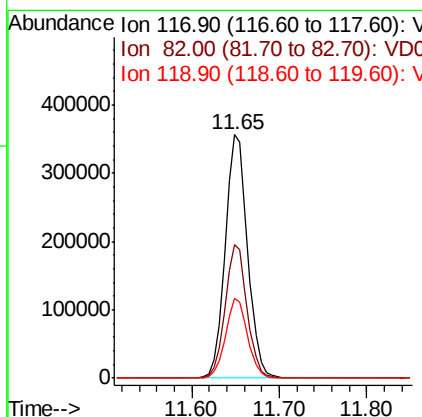
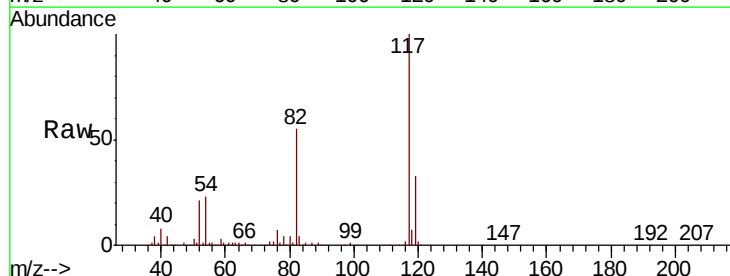
Instrument :
MSVOA_D
ClientSampleId :

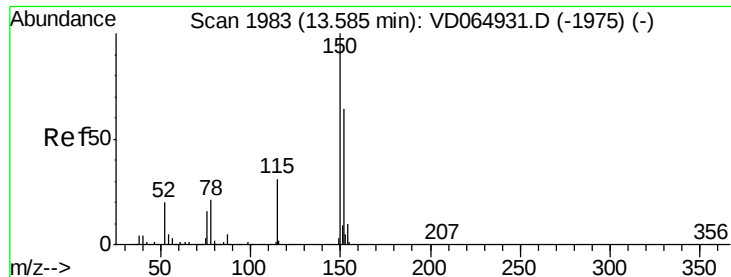
Tot Ion	95	Resp	254437
Ion Ratio	Lower	Upper	
95	100		
174	93.2	0.0	186.8
176	89.9	0.0	183.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Tgt Ion	117	Resp	623702
Ion Ratio	Lower	Upper	
117	100		
82	54.8	43.6	65.4
119	33.0	25.2	37.8



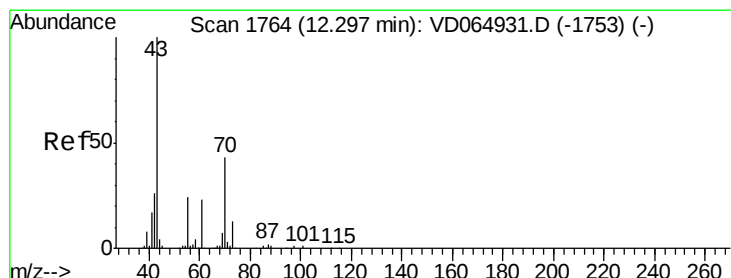
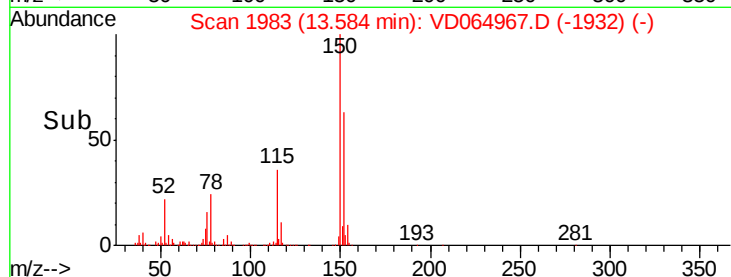
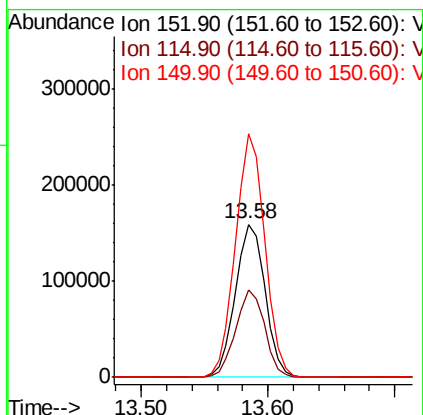
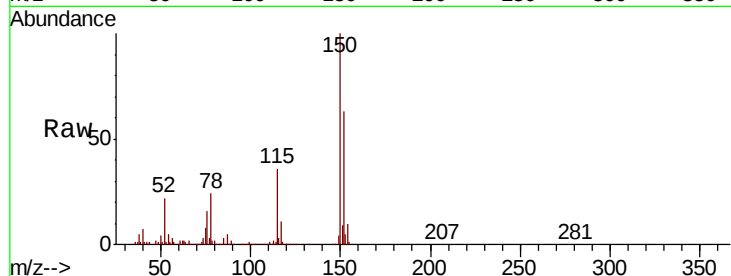


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Instrument :
MSVOA_D
ClientSampleId :

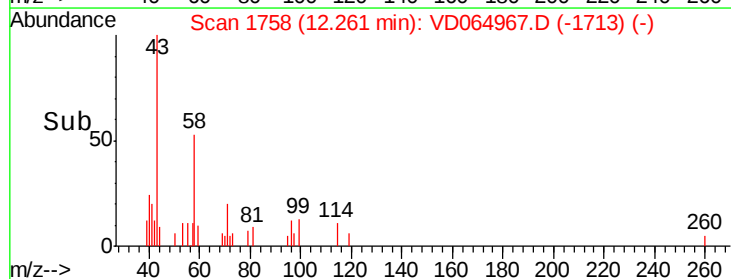
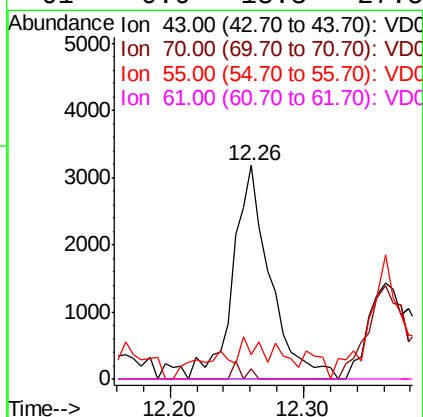
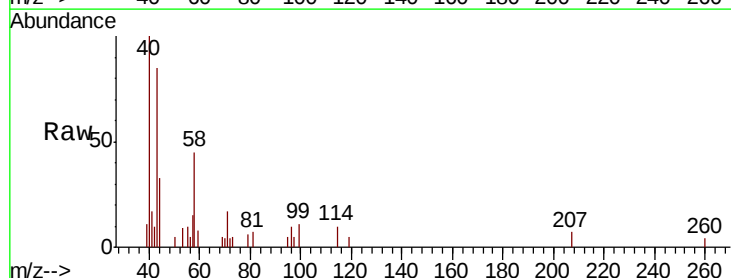
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.4
150	156.7	0.0	350.4

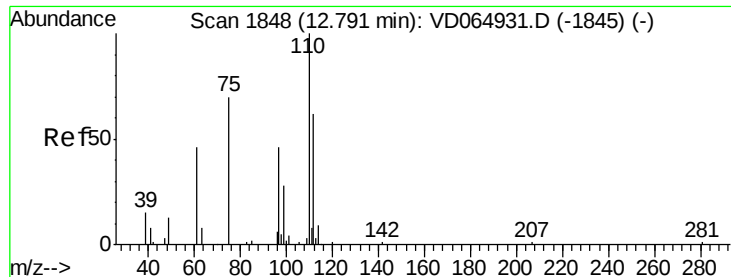


#74

N-ethyl acetate
Concen: 1.545 ug/l
RT: 12.26 min Scan# 1758
Delta R.T. -0.04 min
Lab File: VD064967.D
Acq: 27 Jan 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	2.4	32.6	49.0#
55	5.0	19.9	29.9#
61	0.0	18.3	27.5#





#76

1,2,3-Trichloropropane

Concen: 64.096 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD064967.D

Acq: 27 Jan 2020 16:54

Instrument :

MSVOA_D

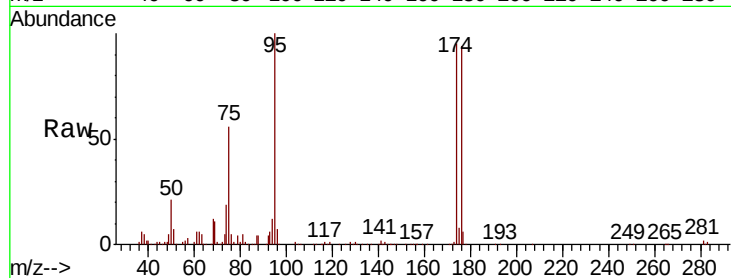
ClientSampled :

Tot Ion: 75 Resp: 137731

Ion Ratio Lower Upper

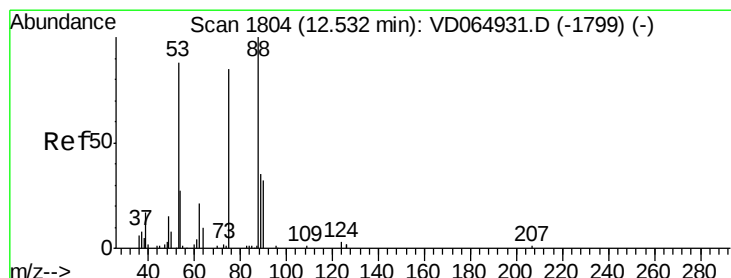
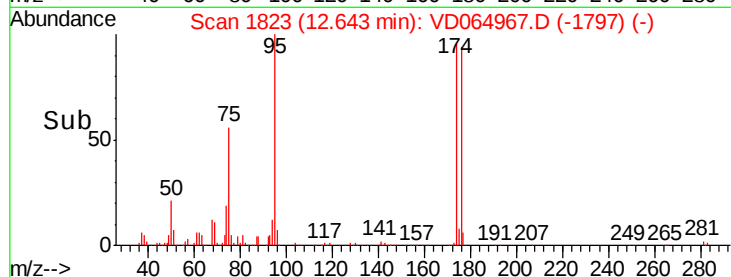
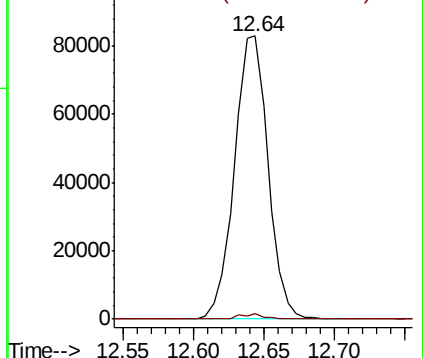
75 100

77 1.6 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: 136.860 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064967.D

Acq: 27 Jan 2020 16:54

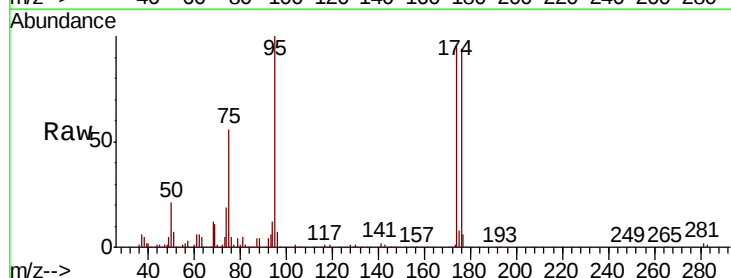
Tgt Ion: 75 Resp: 137731

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.4#

89 0.0 36.2 54.4#



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

