

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064727.D
 Acq On : 03 Jan 2020 11:39
 Operator : VA/SY
 Sample : VD0103SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 03 16:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	536375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	828893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	736390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348466	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	251426	53.16	ug/l	0.00
Spiked Amount						
			Recovery	=	106.32%	
35) Dibromofluoromethane	7.91	113	252245	49.60	ug/l	0.00
Spiked Amount						
			Recovery	=	99.20%	
50) Toluene-d8	10.34	98	994783	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.64	95	305770	49.65	ug/l	0.00
Spiked Amount						
			Recovery	=	99.30%	

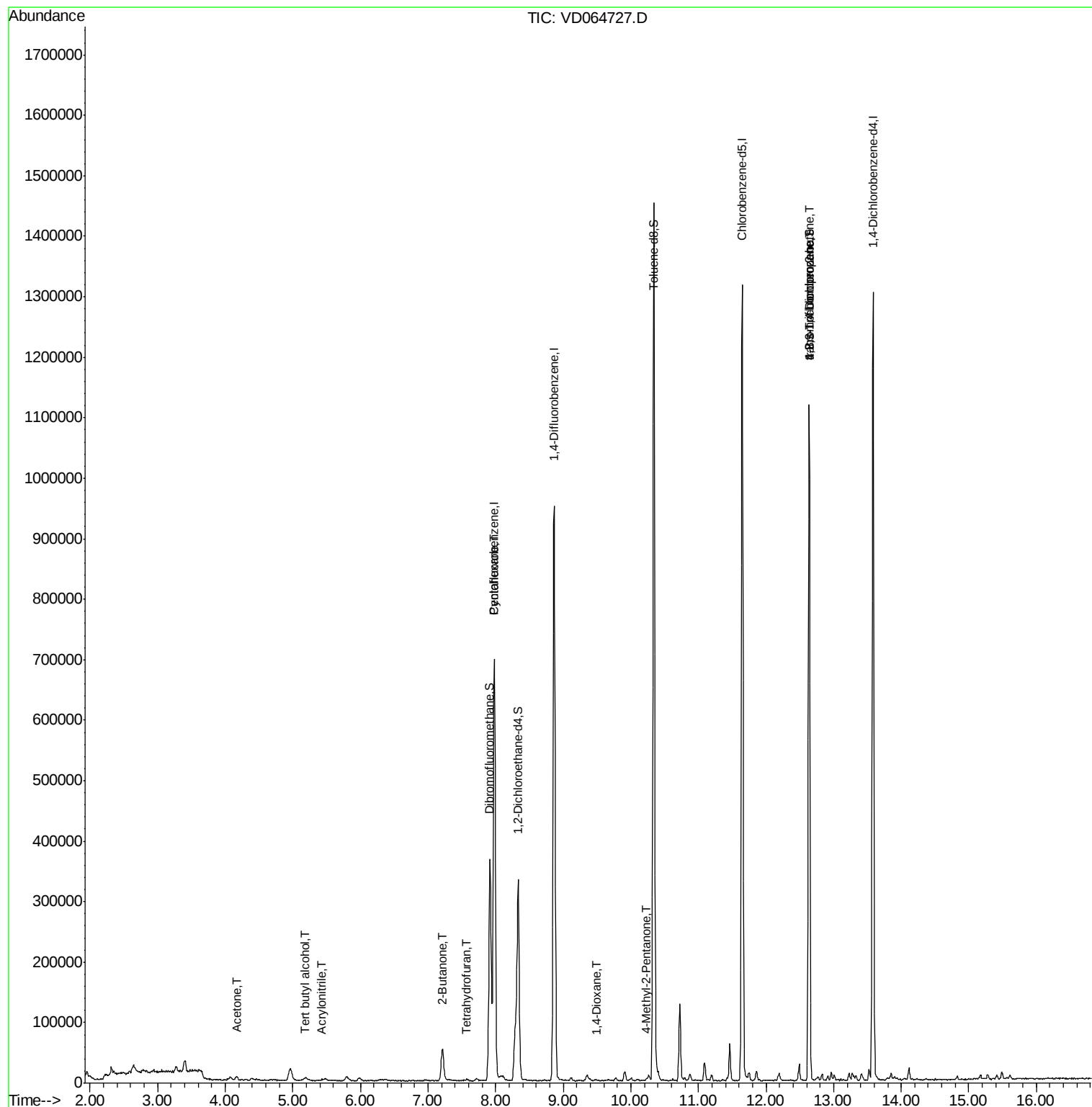
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	4736	17.472	ug/l #	70
15) Acrylonitrile	5.43	53	1033	1.043	ug/l #	68
16) Acetone	4.16	43	9216	12.342	ug/l #	84
20) Methylene Chloride	4.96	84	14584	Below Cal		93
25) 2-Butanone	7.22	43	4792	3.686	ug/l #	80
29) Tetrahydrofuran	7.57	42	1142	1.413	ug/l #	75
31) Cyclohexane	7.98	56	14151	1.605	ug/l #	47
49) 1,4-Dioxane	9.49	88	59	1.765	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	3544	1.149	ug/l #	86
76) 1,2,3-Trichloropropane	12.64	75	165448	60.126	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	165448	125.751	ug/l #	10

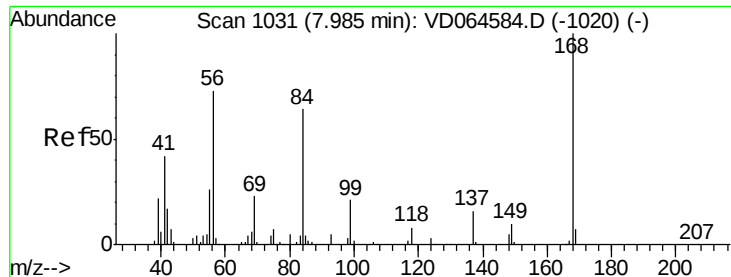
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

Quant Time: Jan 03 16:43:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

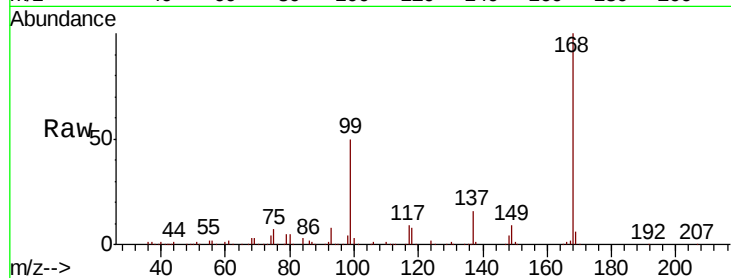
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 536375

Ion Ratio Lower Upper

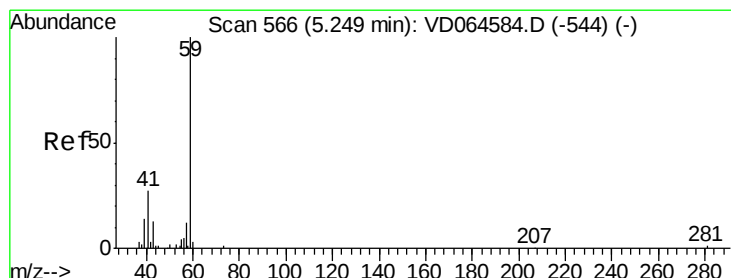
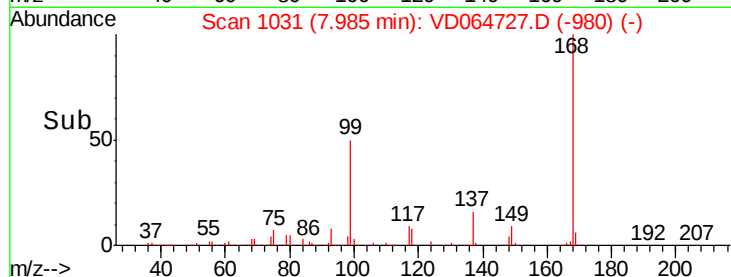
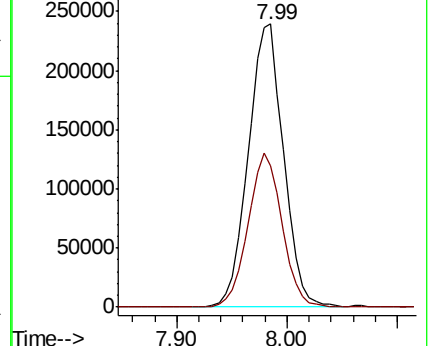
168 100

99 49.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 17.472 ug/l

RT: 5.18 min Scan# 554

Delta R.T. -0.07 min

Lab File: VD064727.D

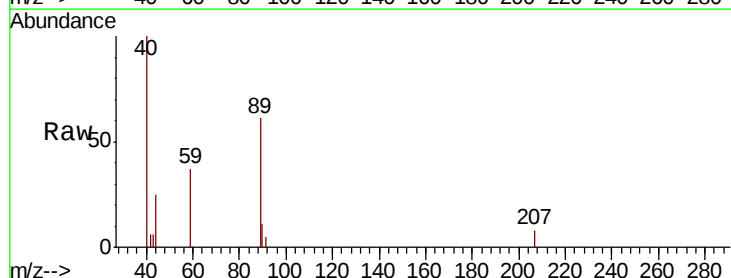
Acq: 03 Jan 2020 11:39

Tgt Ion: 59 Resp: 4736

Ion Ratio Lower Upper

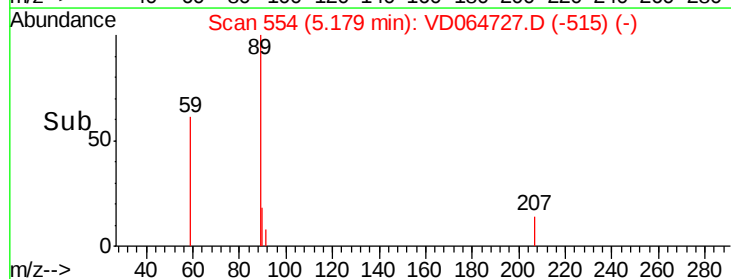
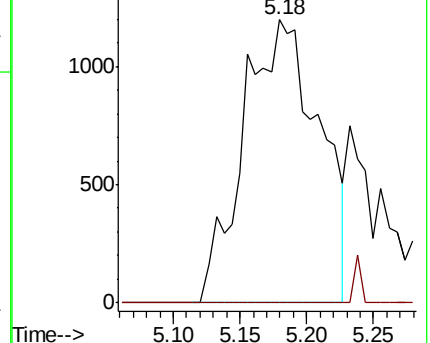
59 100

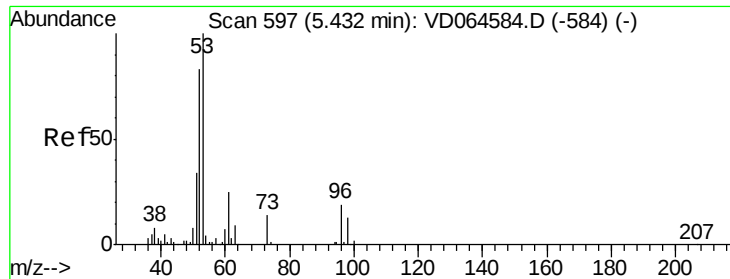
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#15

Acrylonitrile

Concen: 1.043 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

Instrument :
MSVOA_D
ClientSampled :

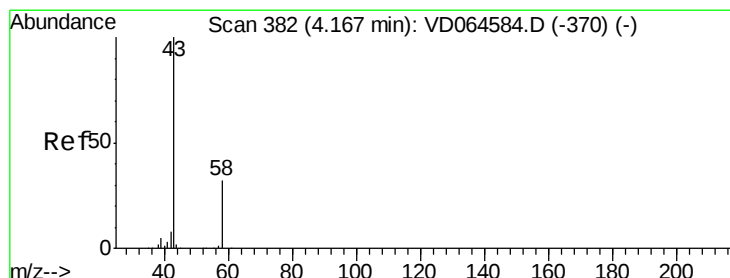
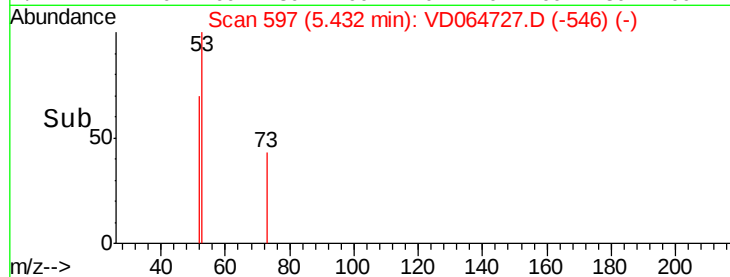
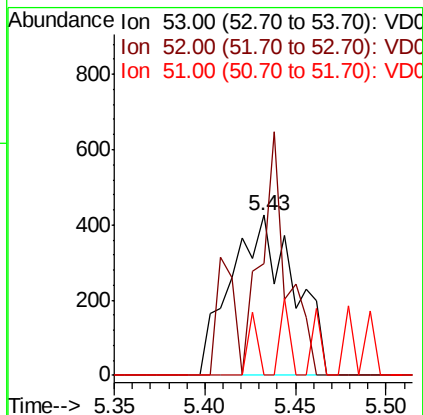
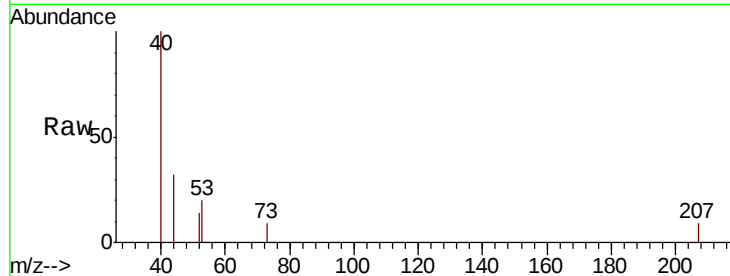
Tot Ion: 53 Resp: 1033

Ion Ratio Lower Upper

53 100

52 62.1 66.2 99.2#

51 7.0 30.1 45.1#



#16

Acetone

Concen: 12.342 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064727.D

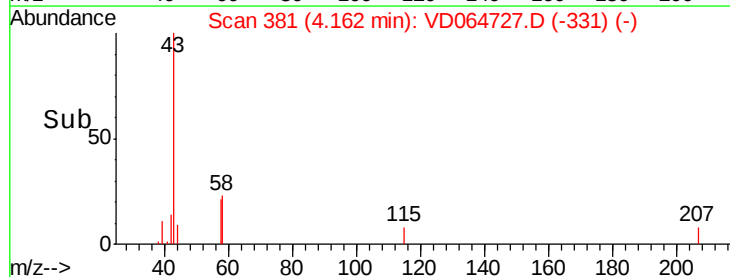
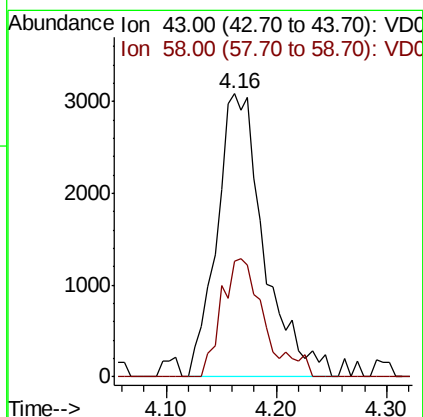
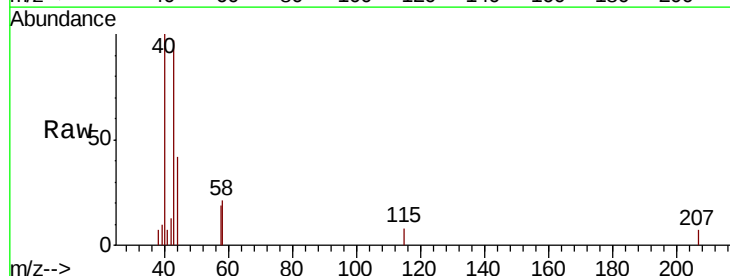
Acq: 03 Jan 2020 11:39

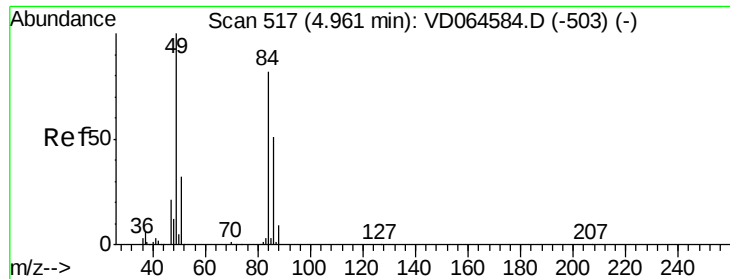
Tgt Ion: 43 Resp: 9216

Ion Ratio Lower Upper

43 100

58 41.1 25.8 38.6#

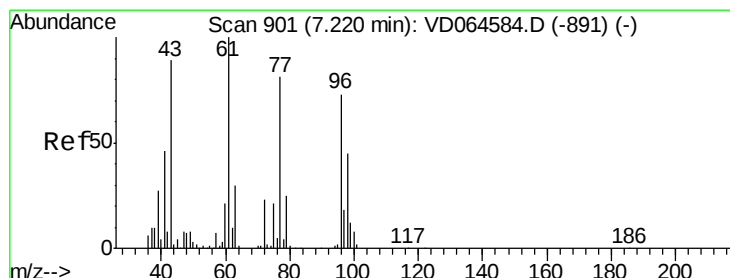
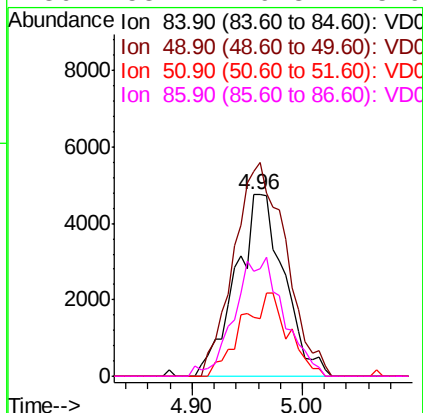
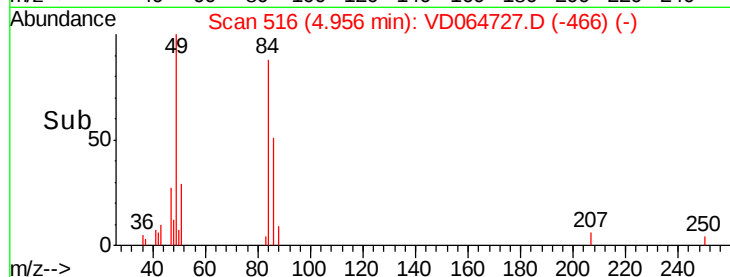
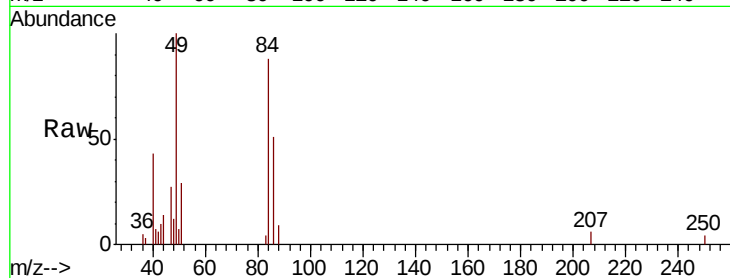




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064727.D
Acq: 03 Jan 2020 11:39

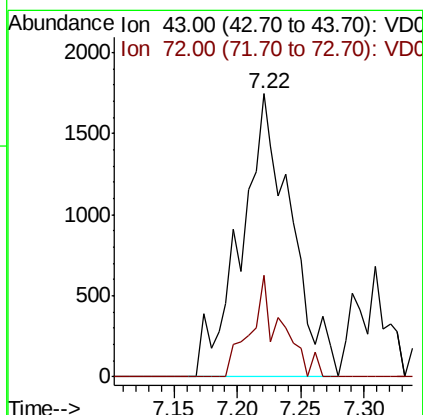
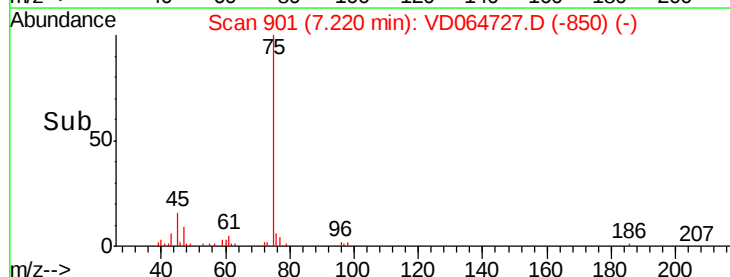
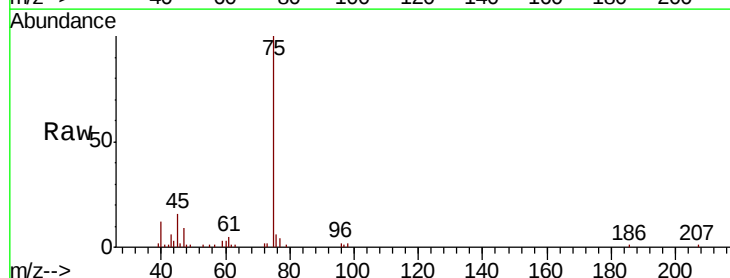
Instrument :
MSVOA_D
ClientSampleId :

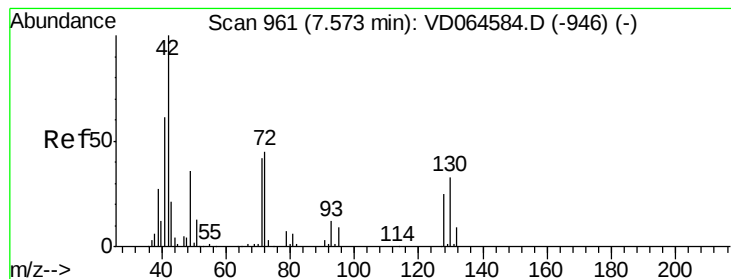
Tot Ion: 84 Resp: 14584
Ion Ratio Lower Upper
84 100
49 113.2 97.2 145.8
51 32.3 31.4 47.0
86 58.1 49.3 73.9



#25
2-Butanone
Concen: 3.686 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064727.D
Acq: 03 Jan 2020 11:39

Tgt Ion: 43 Resp: 4792
Ion Ratio Lower Upper
43 100
72 35.9 20.7 31.1#





#29

Tetrahydrofuran

Concen: 1.413 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

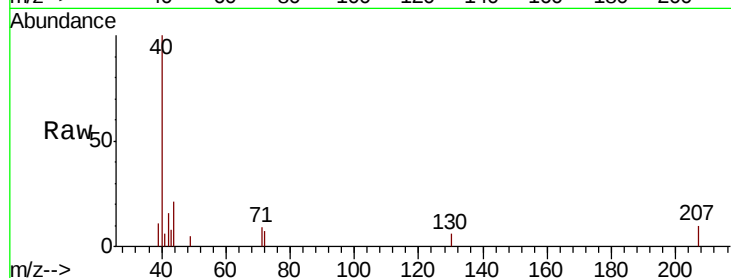
Tot Ion: 42 Resp: 1142

Ion Ratio Lower Upper

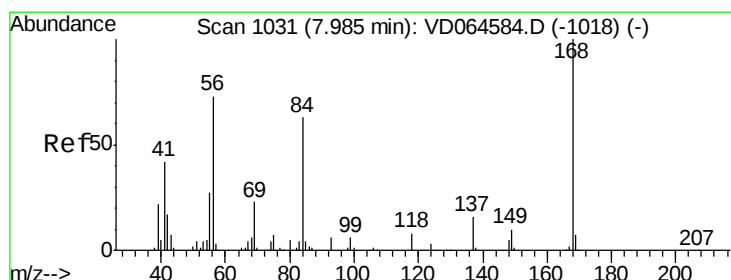
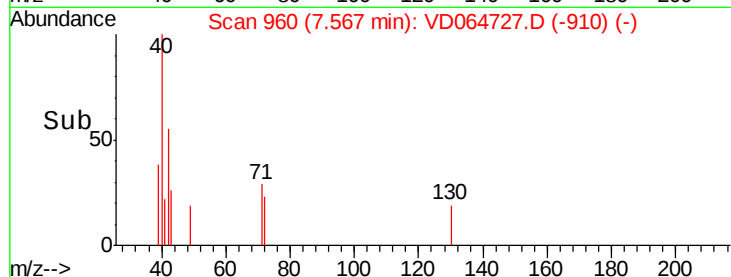
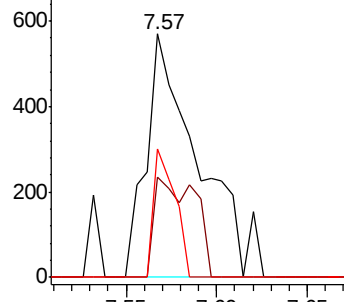
42 100

72 31.4 35.0 52.4#

71 21.5 32.9 49.3#



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: 1.605 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

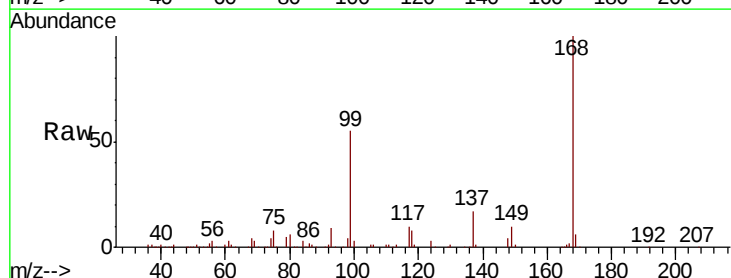
Tgt Ion: 56 Resp: 14151

Ion Ratio Lower Upper

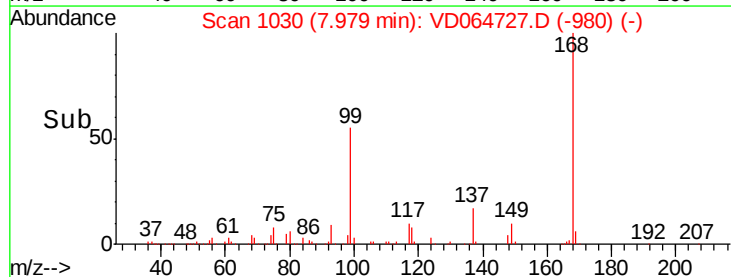
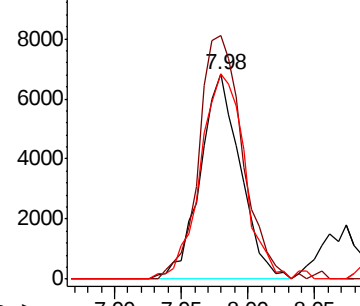
56 100

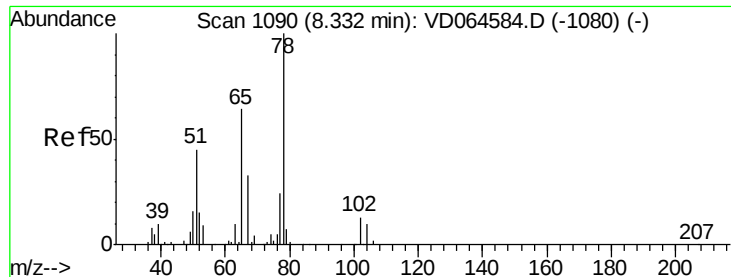
69 118.8 24.7 37.1#

84 100.1 69.4 104.2



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

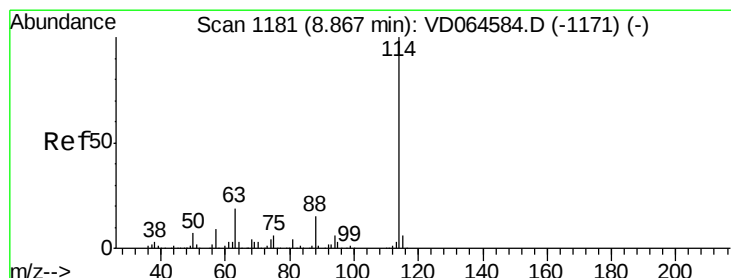
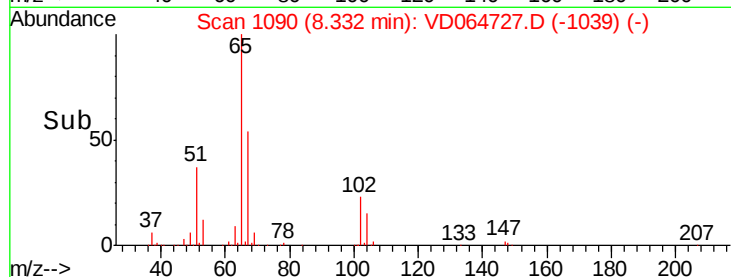
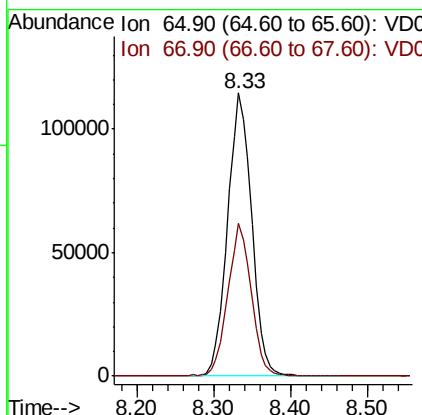
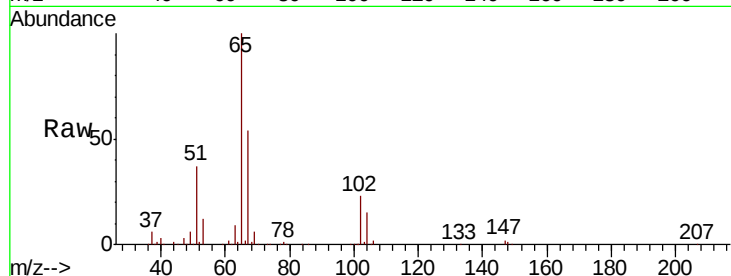




#33
 1,2-Dichloroethane-d4
 Concen: 53.159 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064727.D
 Acq: 03 Jan 2020 11:39

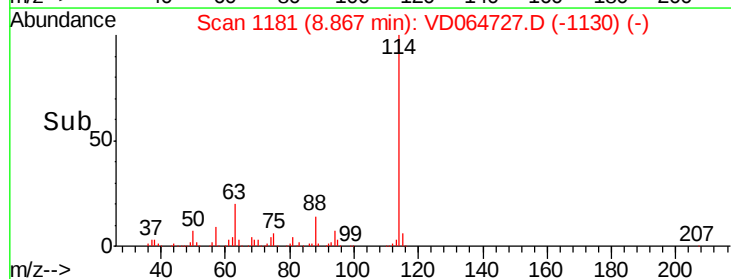
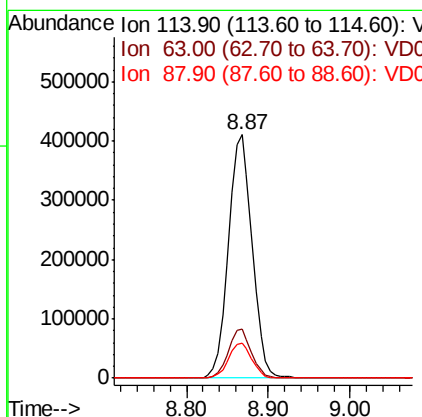
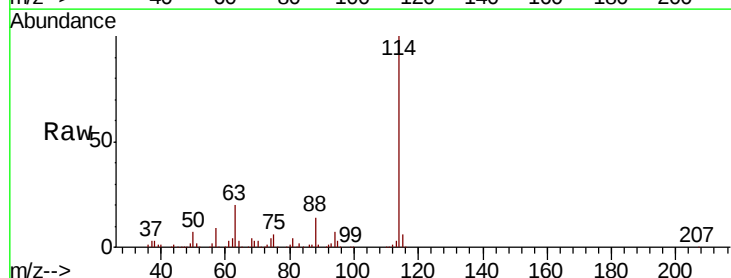
Instrument :
 MSVOA_D
 ClientSampleId :

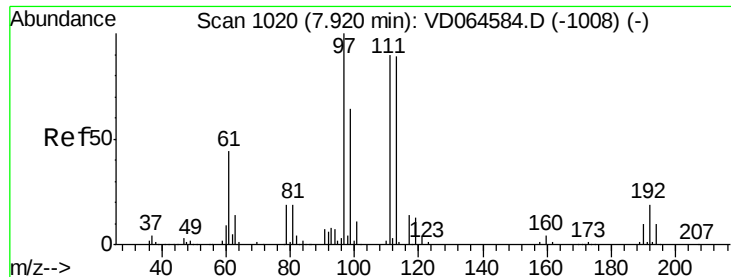
Tot Ion: 65 Resp: 251426
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064727.D
 Acq: 03 Jan 2020 11:39

Tgt Ion: 114 Resp: 828893
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 14.2 0.0 29.2

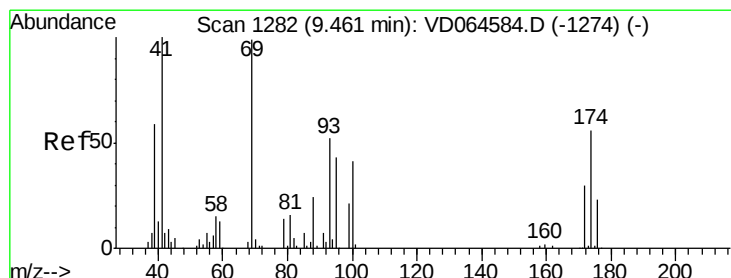
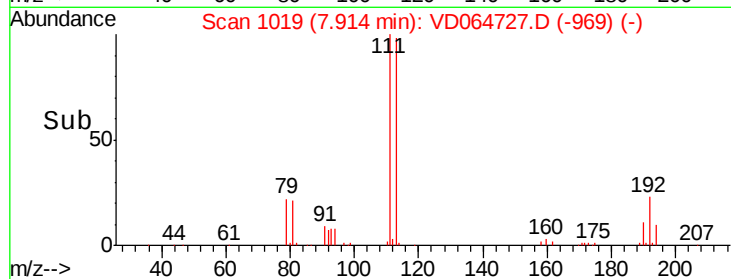
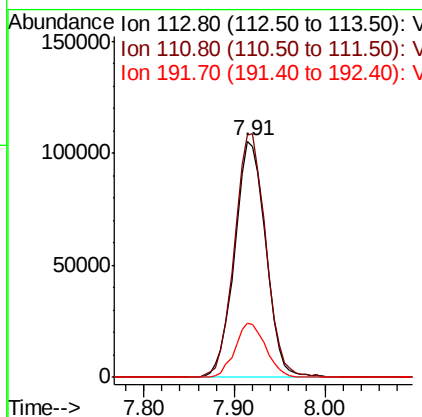
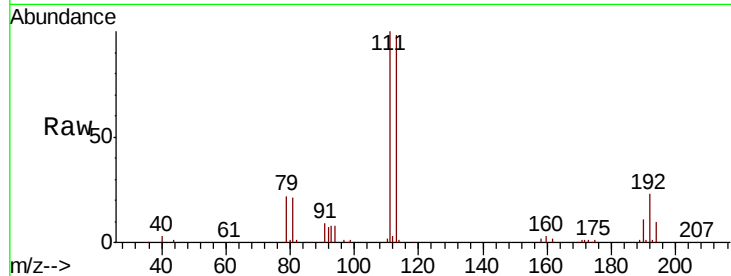




#35
 Dibromofluoromethane
 Concen: 49.602 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064727.D
 Acq: 03 Jan 2020 11:39

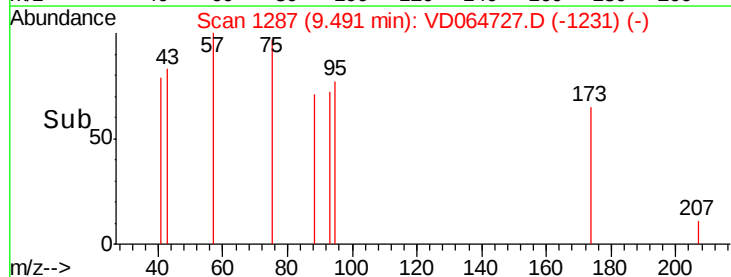
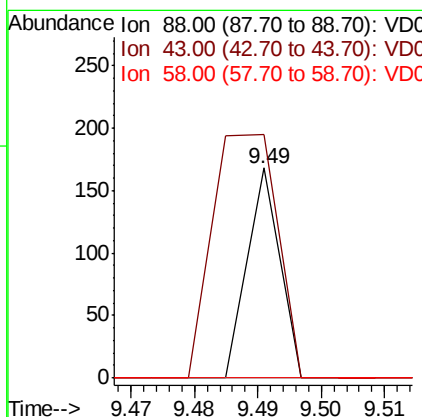
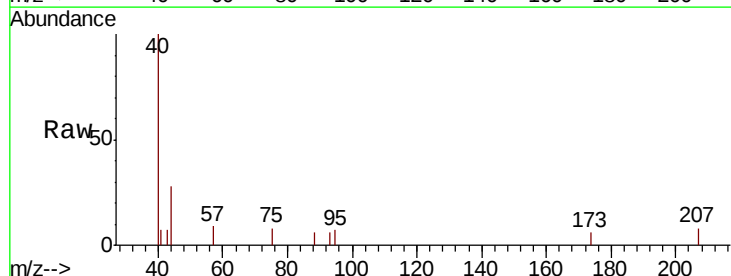
Instrument :
 MSVOA_D
 ClientSampled :

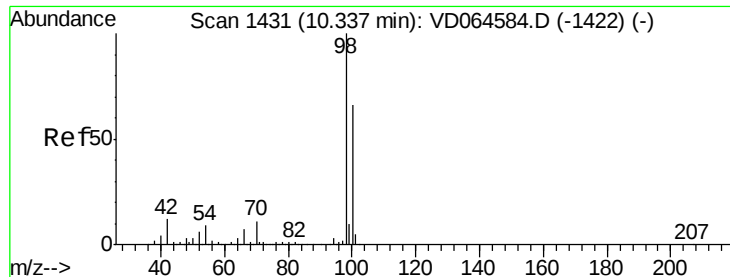
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.6	121.0
192	22.7	17.9	26.9



#49
 1,4-Dioxane
 Concen: 1.765 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.03 min
 Lab File: VD064727.D
 Acq: 03 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
88	100		
43	232.2	27.7	41.5#
58	0.0	53.8	80.6#





#50

Toluene-d8

Concen: 51.076 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

Instrument :

MSVOA_D

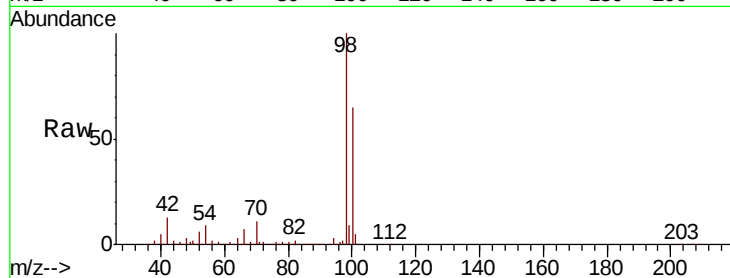
ClientSampleId :

Tot Ion: 98 Resp: 994783

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

600000

500000

400000

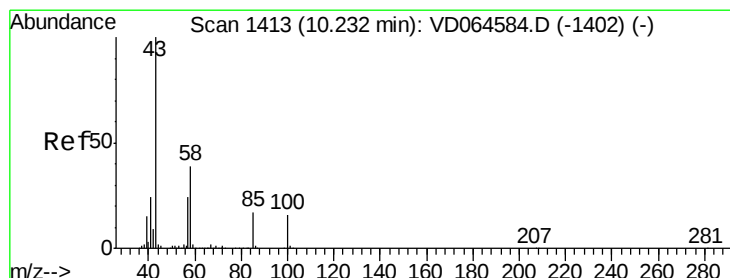
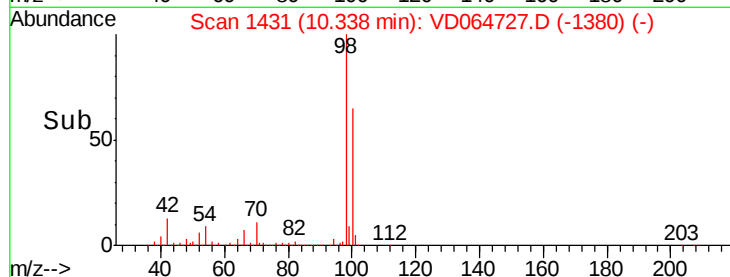
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.149 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064727.D

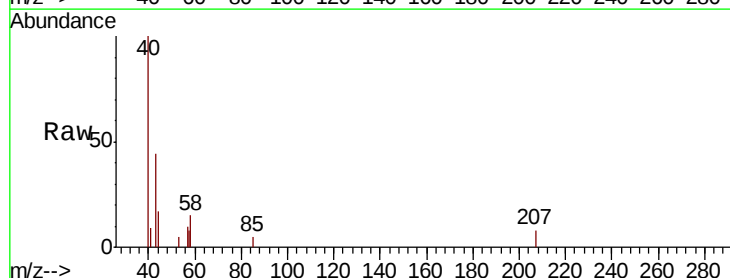
Acq: 03 Jan 2020 11:39

Tgt Ion: 43 Resp: 3544

Ion Ratio Lower Upper

43 100

58 29.2 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

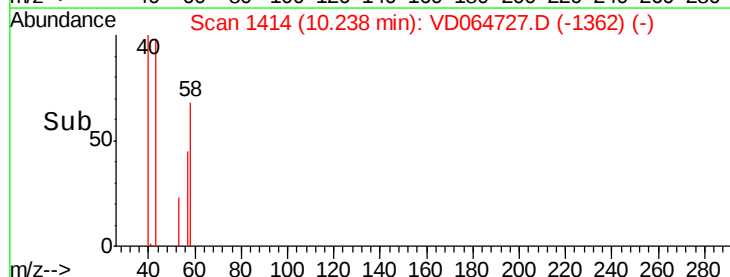
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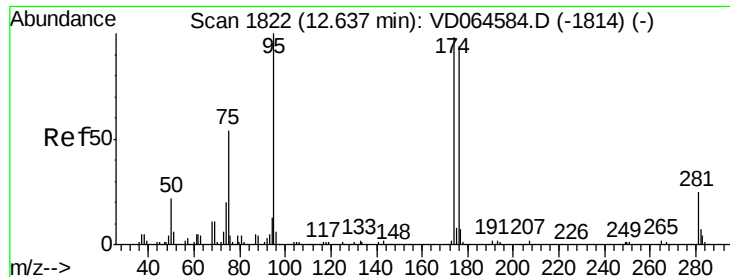
1000

500

0

Time--> 10.20 10.25





#62

4-Bromofluorobenzene

Concen: 49.649 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

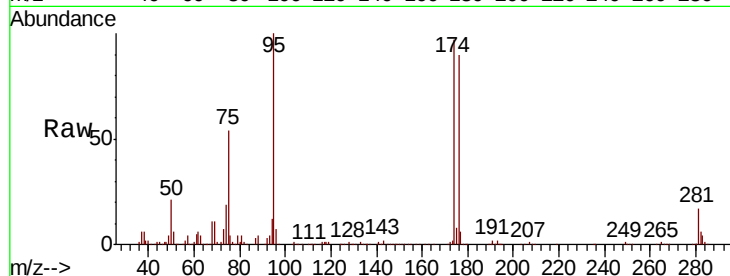
Tot Ion: 95 Resp: 305770

Ion Ratio Lower Upper

95 100

174 96.0 0.0 193.2

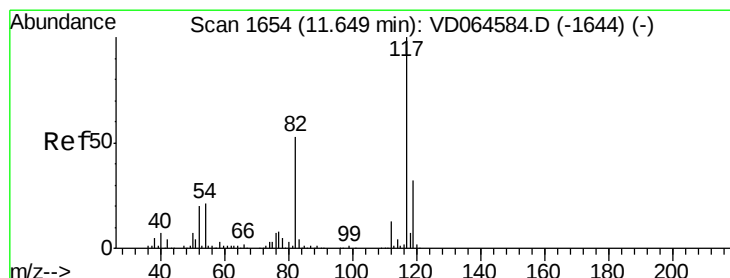
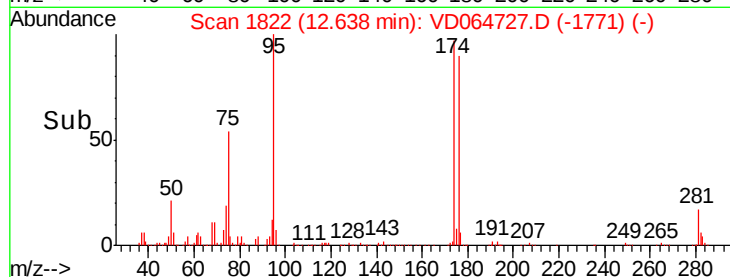
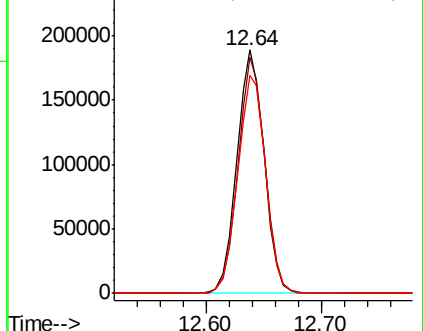
176 92.0 0.0 184.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

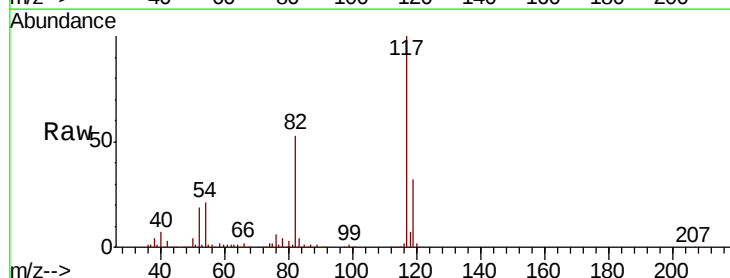
Tgt Ion: 117 Resp: 736390

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.4

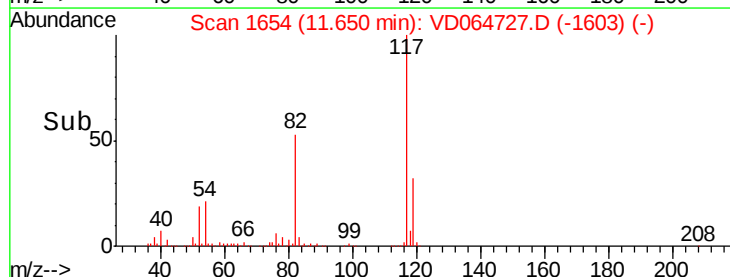
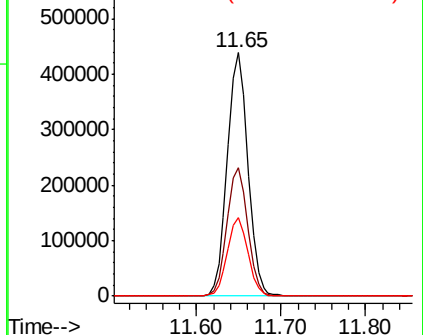
119 32.5 26.0 39.0

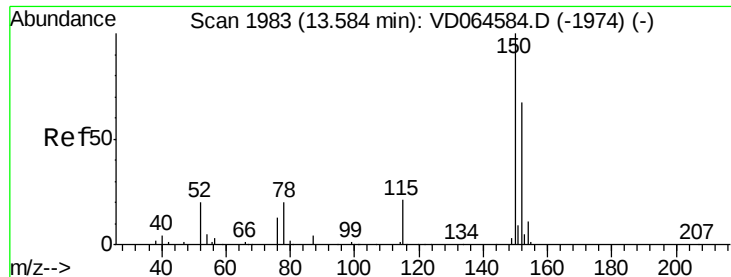


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064727.D

Acq: 03 Jan 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

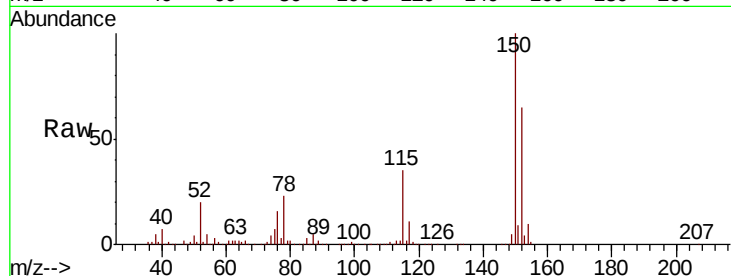
Tot Ion:152 Resp: 348466

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

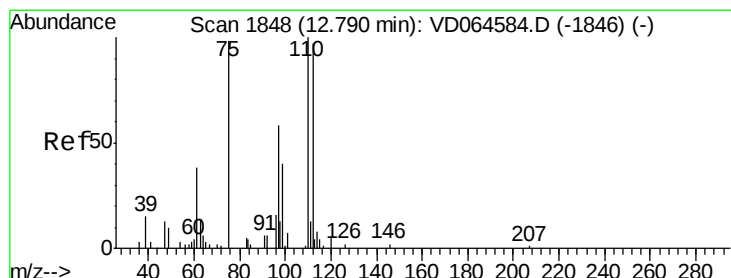
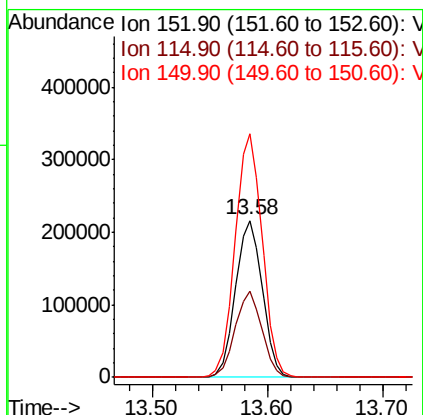
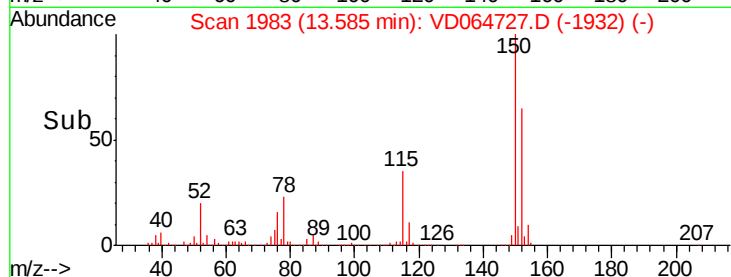
150 155.8 0.0 351.4



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: 60.126 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064727.D

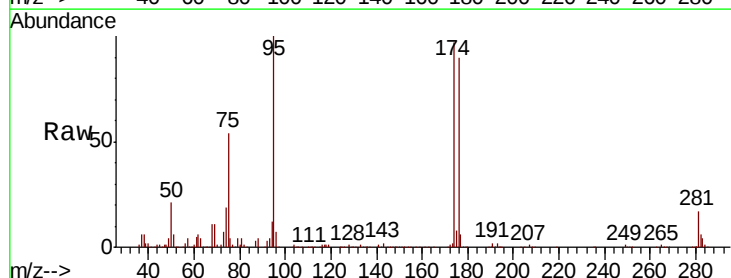
Acq: 03 Jan 2020 11:39

Tgt Ion: 75 Resp: 165448

Ion Ratio Lower Upper

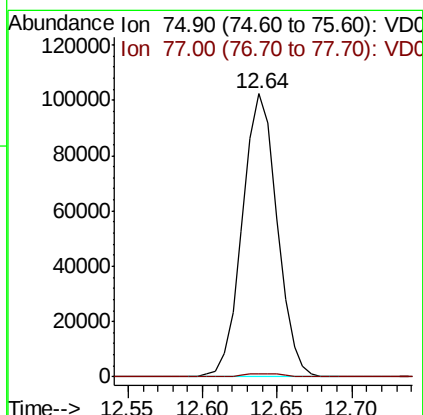
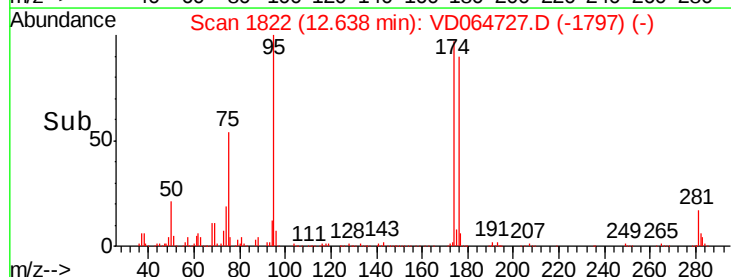
75 100

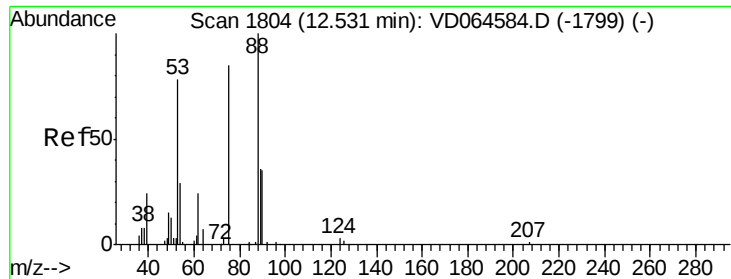
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

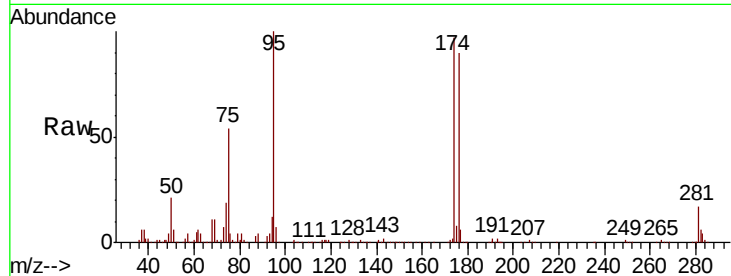




#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.751 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064727.D
 Acq: 03 Jan 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 165448
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.8 118.2#
 89 0.0 38.3 57.5#



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

