

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063748.D
 Acq On : 22 Aug 2019 22:01
 Operator : JC/SY
 Sample : K4491-02
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1VE

Quant Time: Aug 23 07:02:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

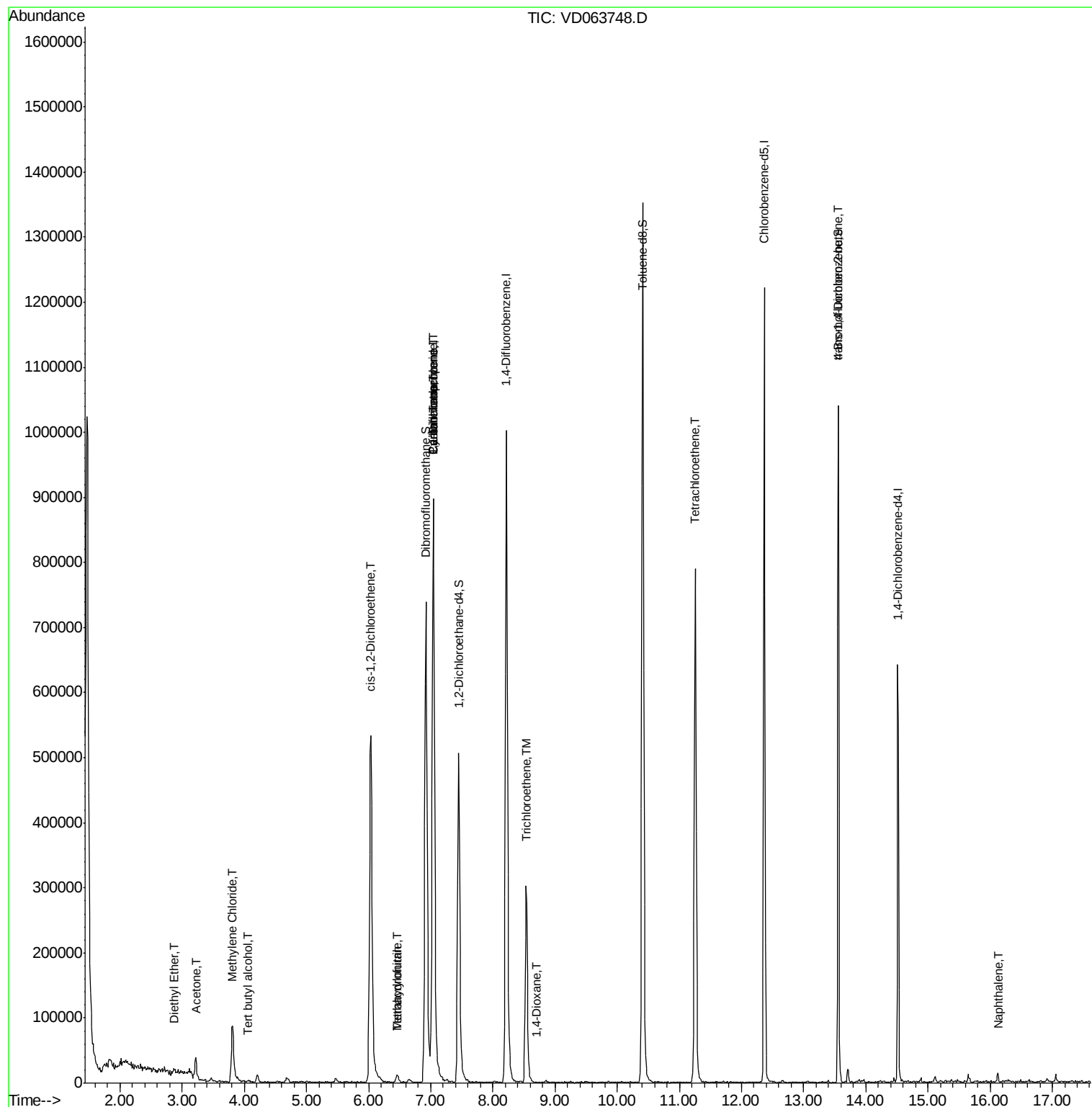
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	886266	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1120113	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	641885	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	151543	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	558963	59.00	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.00%	
35) Dibromofluoromethane	6.92	113	658991	69.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	139.72%	
50) Toluene-d8	10.41	98	1161757	56.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.02%	
62) 4-Bromofluorobenzene	13.56	95	278012	29.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.14%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.87	74	2536	1.101	ug/l	81
11) Tert butyl alcohol	4.07	59	2187	5.303	ug/l #	71
16) Acetone	3.22	43	63058	32.744	ug/l	96
20) Methylene Chloride	3.80	84	57000	6.845	ug/l #	89
27) cis-1,2-Dichloroethene	6.04	96	350906	42.559	ug/l	88
29) Tetrahydrofuran	6.47	42	8626	9.733	ug/l	93
31) Cyclohexane	7.04	56	18445	2.156	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	64616	6.526	ug/l #	49
38) Carbon Tetrachloride	7.04	117	80840	5.417	ug/l #	15
41) Methacrylonitrile	6.47	41	6726	1.287	ug/l #	56
44) Trichloroethene	8.54	130	124870	14.992	ug/l	93
49) 1,4-Dioxane	8.70	88	206	30.710	ug/l #	34
64) Tetrachloroethene	11.26	164	247201	49.887	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.56	75	127344	272.420	ug/l #	1
95) Naphthalene	16.13	128	8202	1.819	ug/l #	91

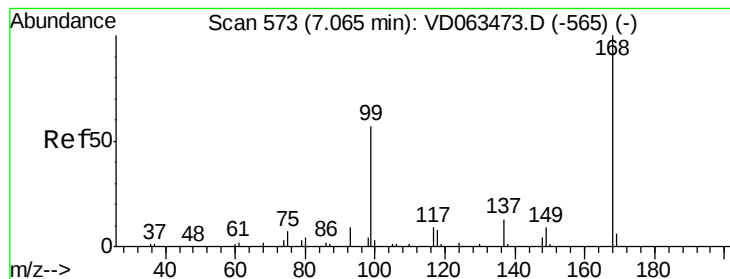
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

Instrument :

MSVOA_D

ClientSampleId :

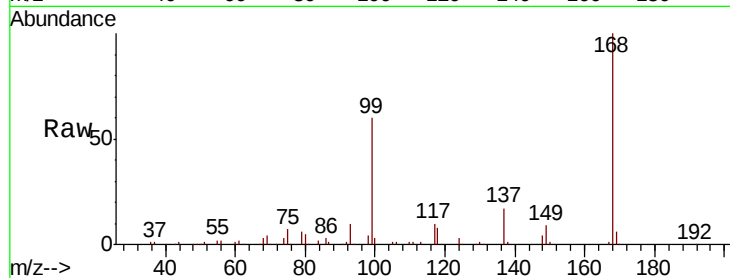
TS-1VE

Tgt Ion:168 Resp: 886266

Ion Ratio Lower Upper

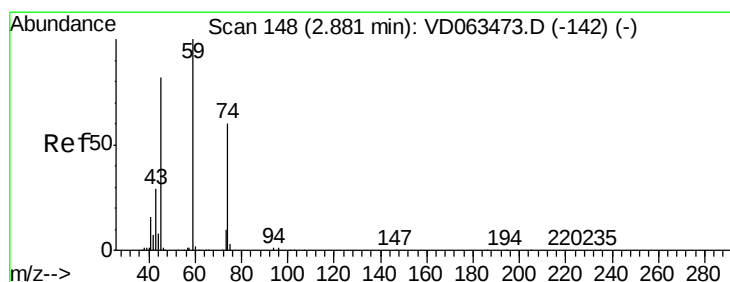
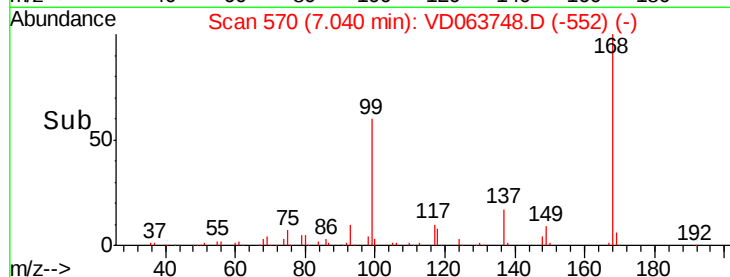
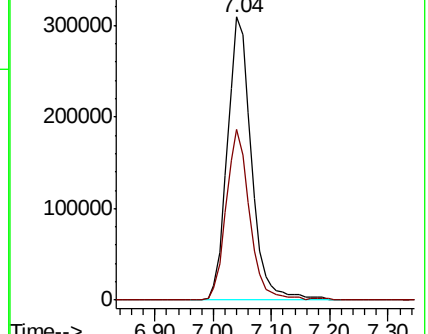
168 100

99 60.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.101 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063748.D

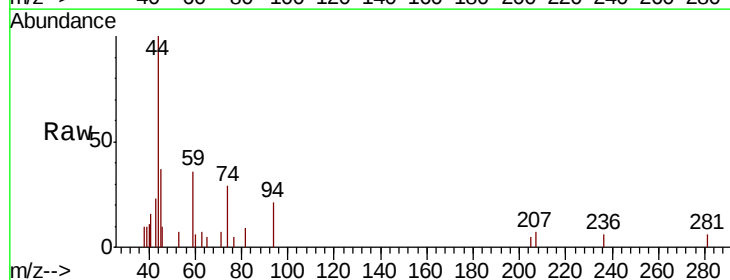
Acq: 22 Aug 2019 22:01

Tgt Ion: 74 Resp: 2536

Ion Ratio Lower Upper

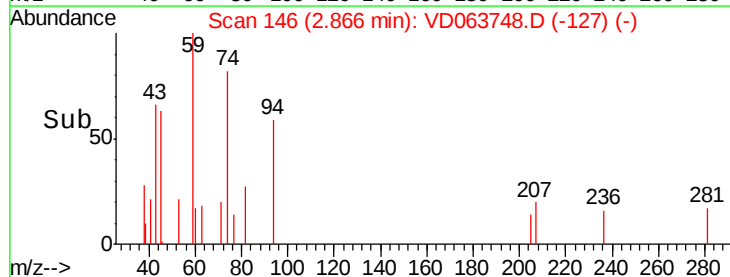
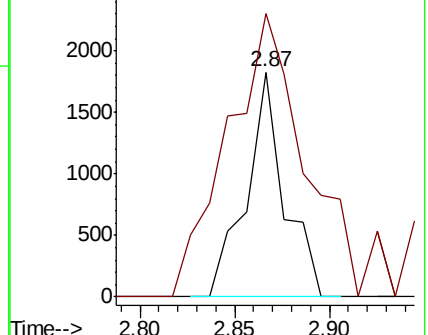
74 100

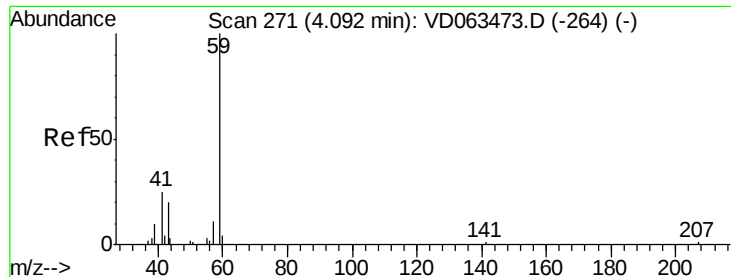
45 159.6 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

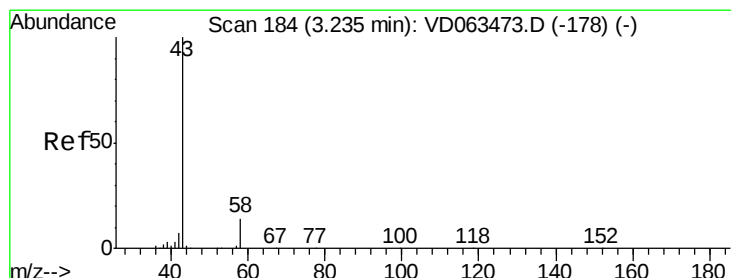
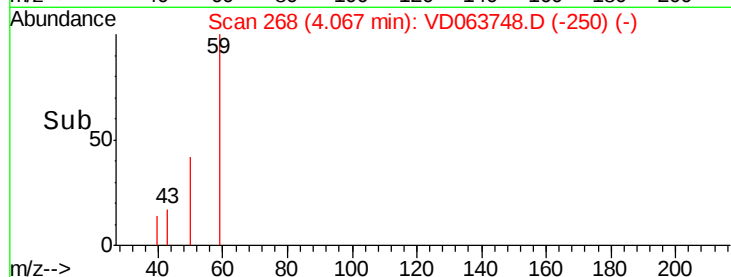
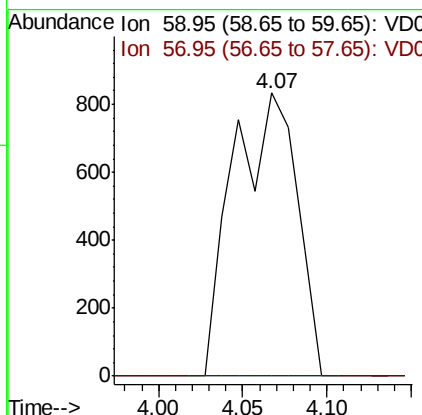
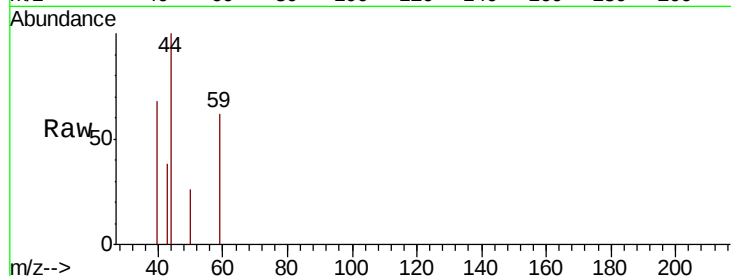




#11
Tert butyl alcohol
Concen: 5.303 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

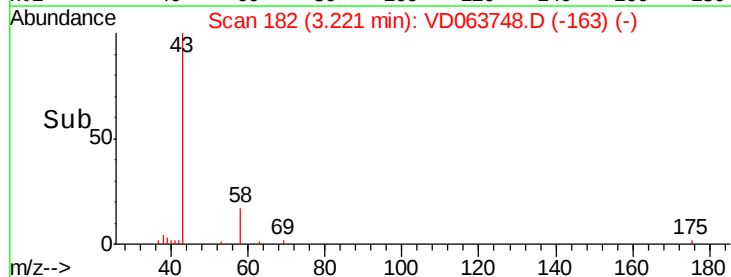
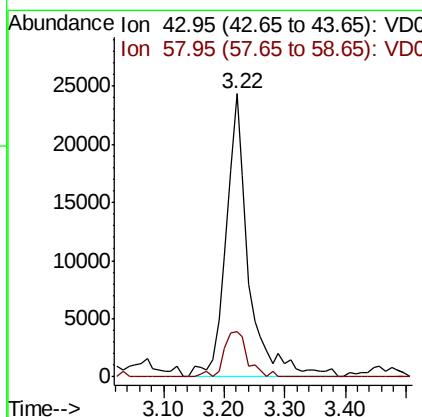
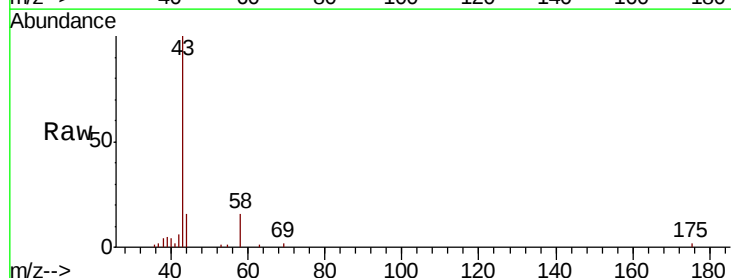
Instrument :
MSVOA_D
ClientSampleId :
TS-1VE

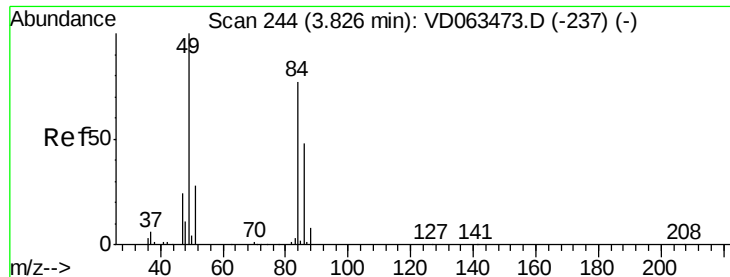
Tgt Ion: 59 Resp: 2187
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 32.744 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Tgt Ion: 43 Resp: 63058
Ion Ratio Lower Upper
43 100
58 16.1 11.4 17.2

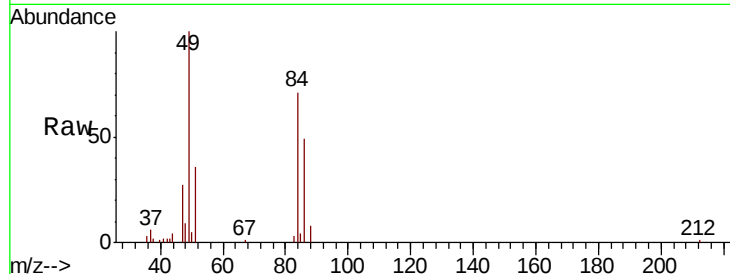




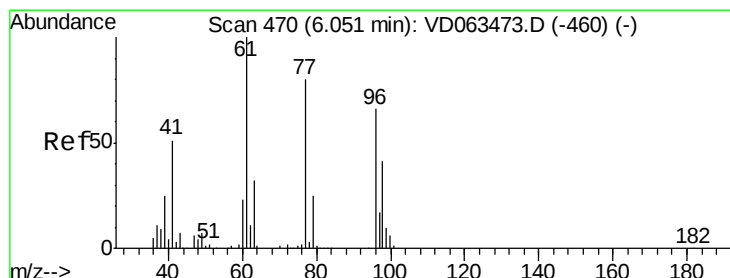
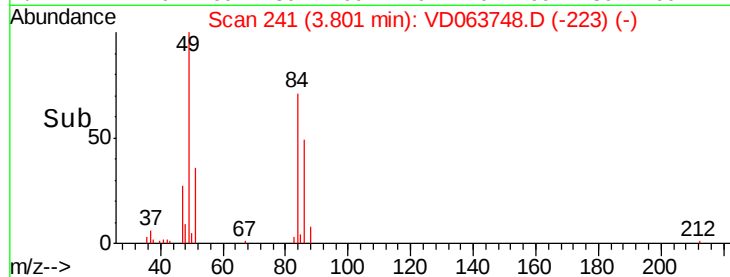
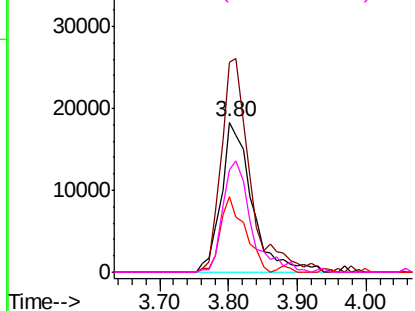
#20
Methylene Chloride
Concen: 6.845 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Instrument :
MSVOA_D
ClientSampleId :
TS-1VE

Tgt Ion: 84 Resp: 57000
Ion Ratio Lower Upper
84 100
49 139.9 103.4 155.2
51 50.6 28.5 42.7#
86 68.0 49.4 74.2

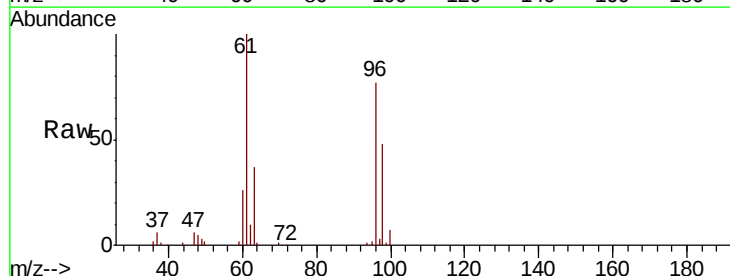


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

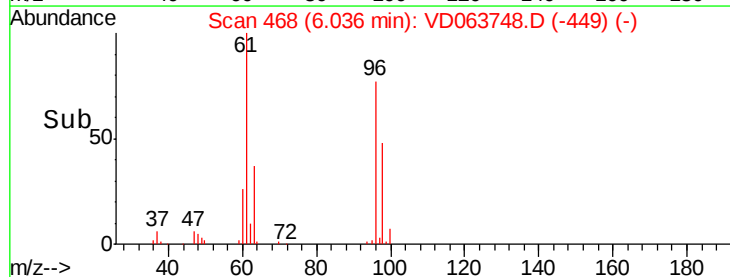
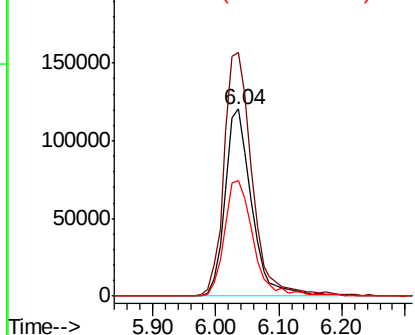


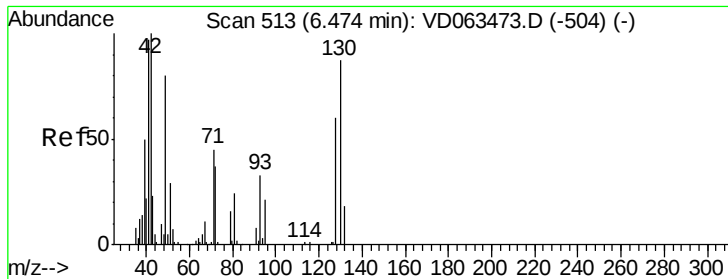
#27
cis-1,2-Dichloroethene
Concen: 42.559 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Tgt Ion: 96 Resp: 350906
Ion Ratio Lower Upper
96 100
61 130.1 0.0 304.0
98 61.8 0.0 124.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

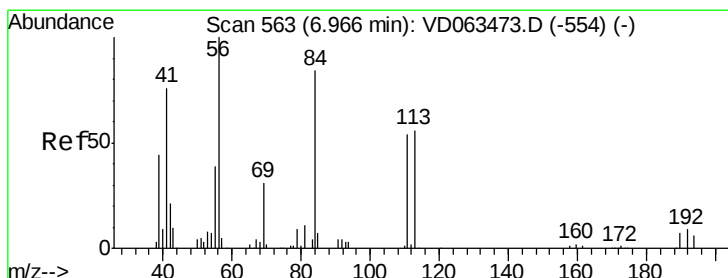
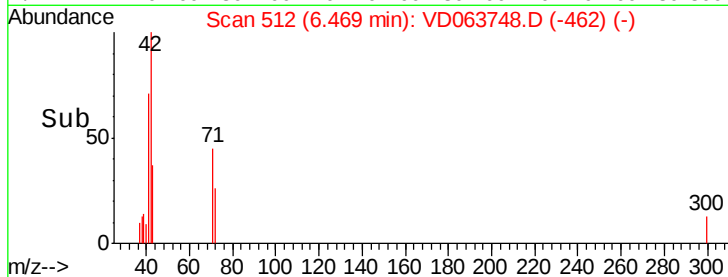
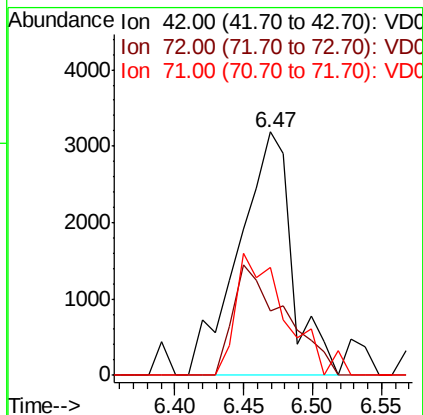
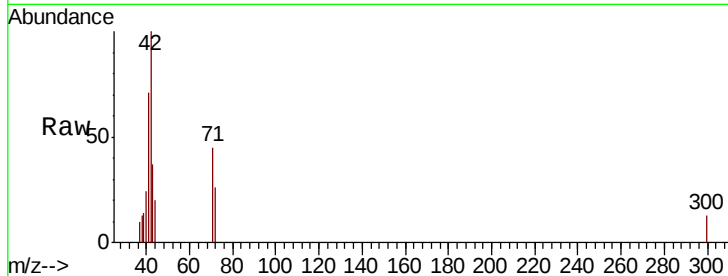




#29
Tetrahydrofuran
Concen: 9.733 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

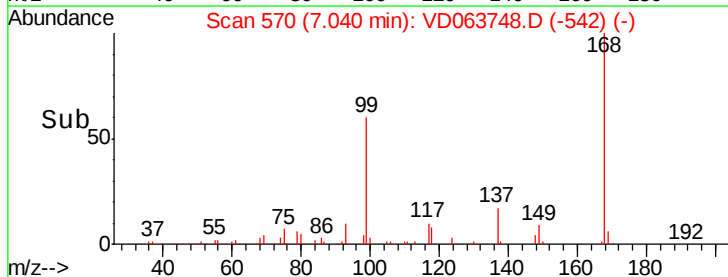
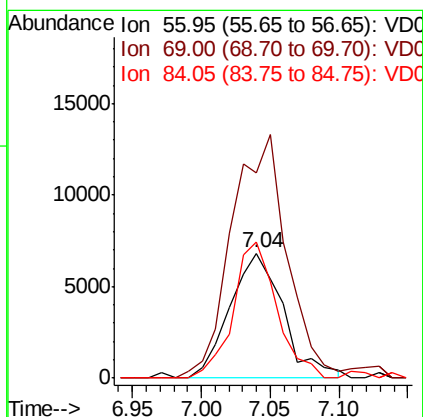
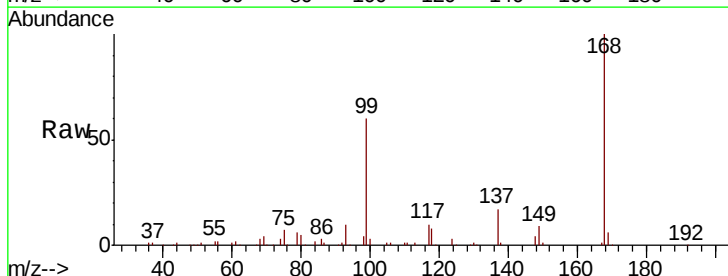
Instrument :
MSVOA_D
ClientSampleId :
TS-1VE

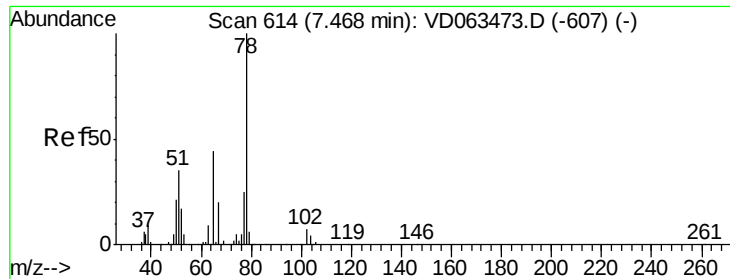
Tgt Ion: 42 Resp: 8626
Ion Ratio Lower Upper
42 100
72 44.0 31.5 47.3
71 46.7 33.8 50.8



#31
Cyclohexane
Concen: 2.156 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Tgt Ion: 56 Resp: 18445
Ion Ratio Lower Upper
56 100
69 164.0 25.0 37.6#
84 109.0 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 59.003 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

Instrument :

MSVOA_D

ClientSampleId :

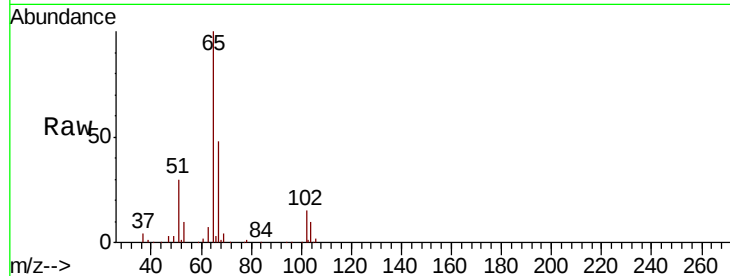
TS-1VE

Tgt Ion: 65 Resp: 558963

Ion Ratio Lower Upper

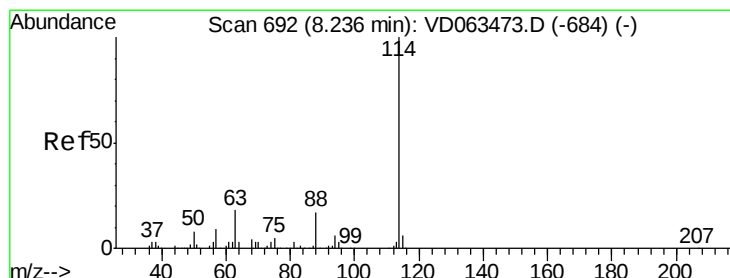
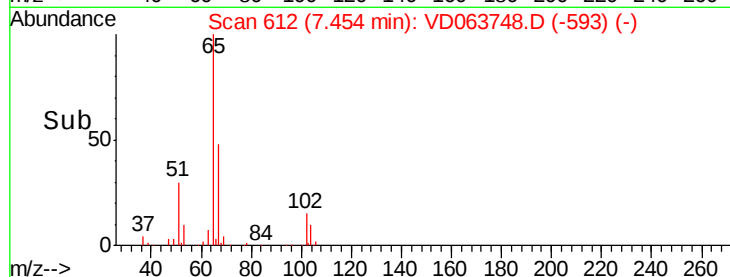
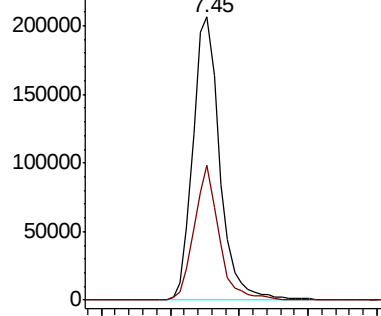
65 100

67 47.8 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

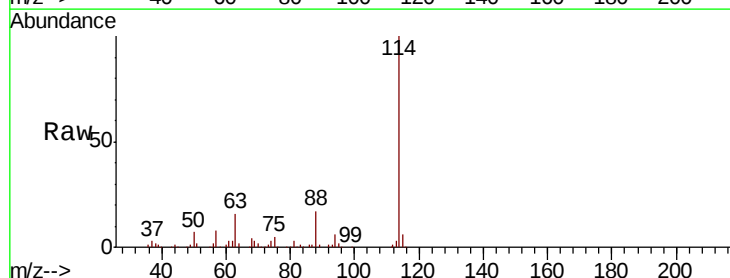
Tgt Ion: 114 Resp: 1120113

Ion Ratio Lower Upper

114 100

63 16.5 0.0 36.2

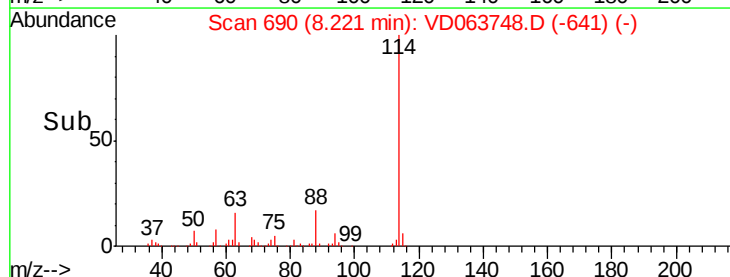
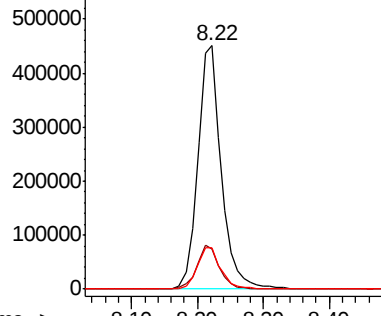
88 17.0 0.0 35.0

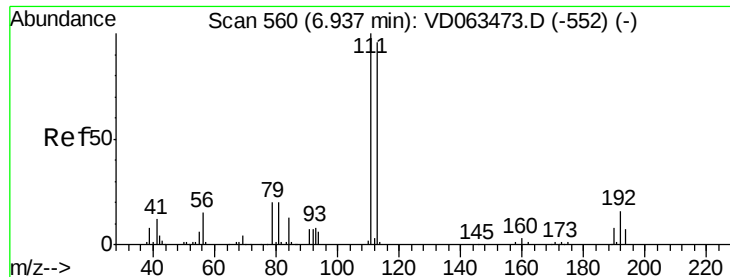


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 69.855 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

Instrument :

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ClientSampleId :

TS-1VE

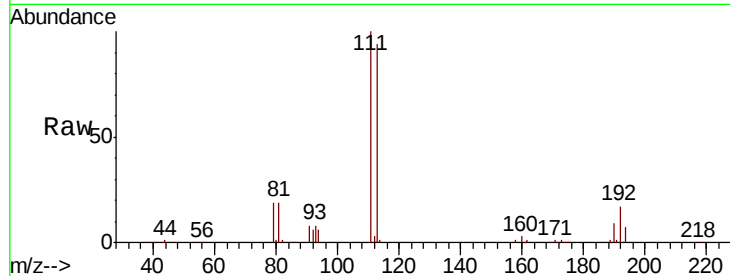
Tgt Ion:113 Resp: 658991

Ion Ratio Lower Upper

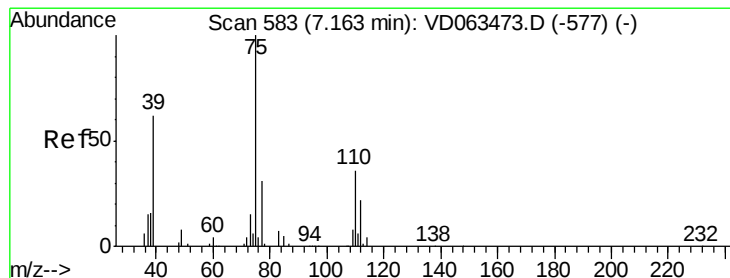
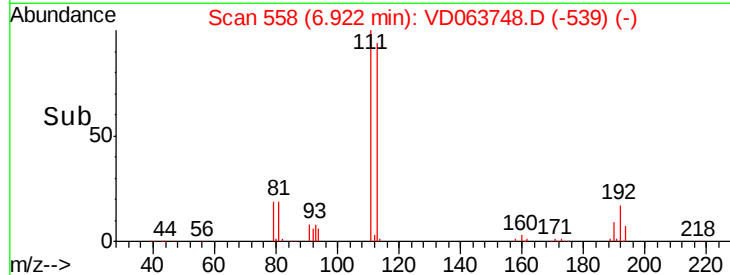
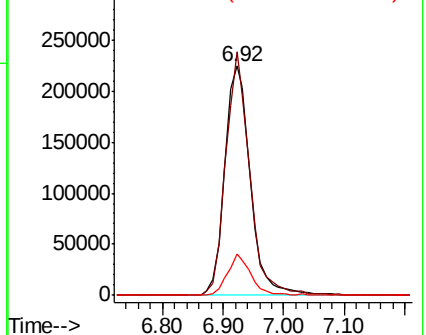
113 100

111 106.2 83.1 124.7

192 17.8 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.526 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

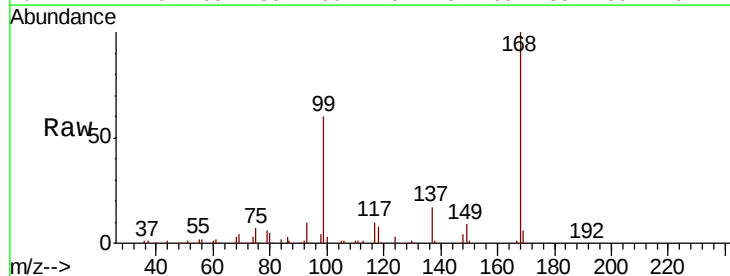
Tgt Ion: 75 Resp: 64616

Ion Ratio Lower Upper

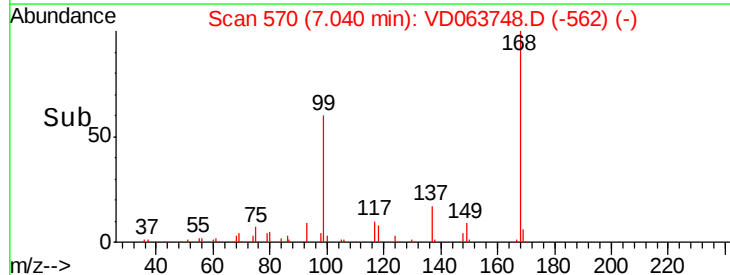
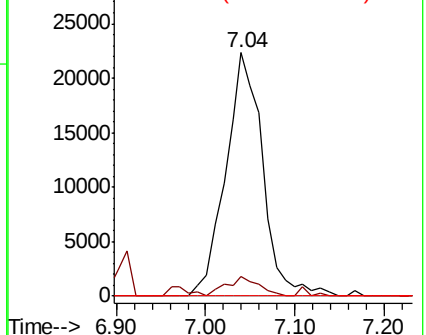
75 100

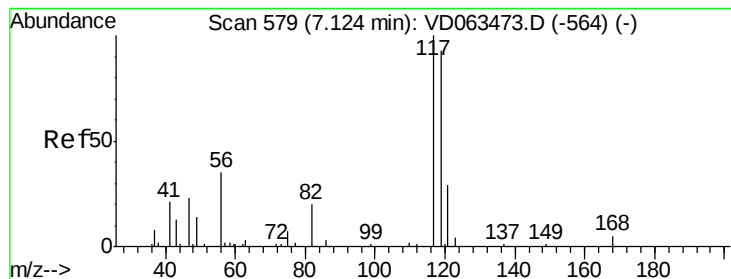
110 8.1 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.417 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

Instrument :

MSVOA_D

ClientSampleId :

TS-1VE

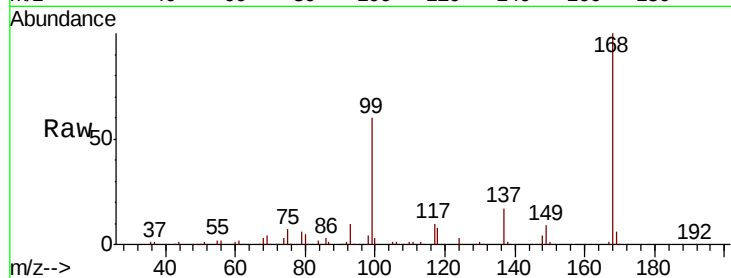
Tgt Ion:117 Resp: 80840

Ion Ratio Lower Upper

117 100

119 2.7 74.2 111.2#

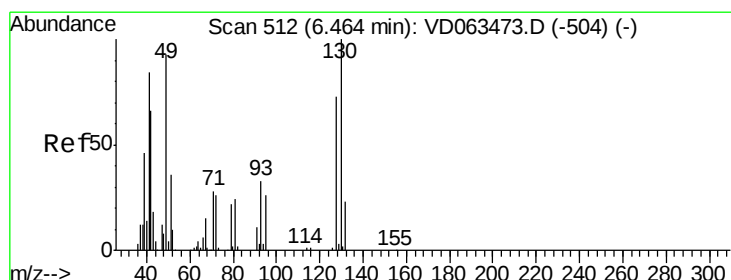
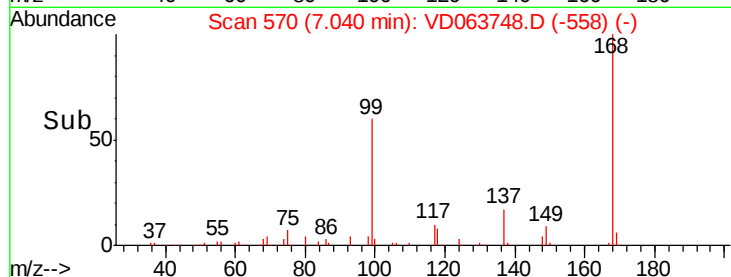
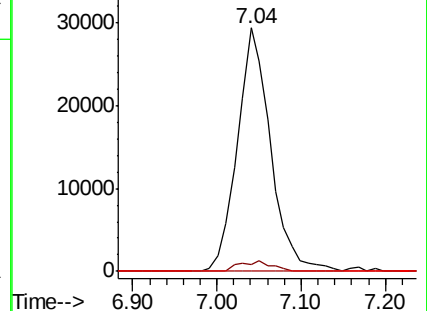
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#41

Methacrylonitrile

Concen: 1.287 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

Tgt Ion: 41 Resp: 6726

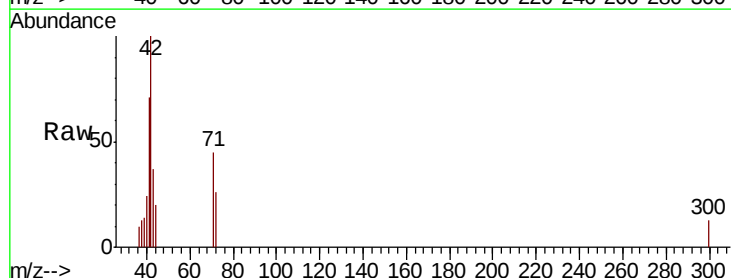
Ion Ratio Lower Upper

41 100

39 20.5 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

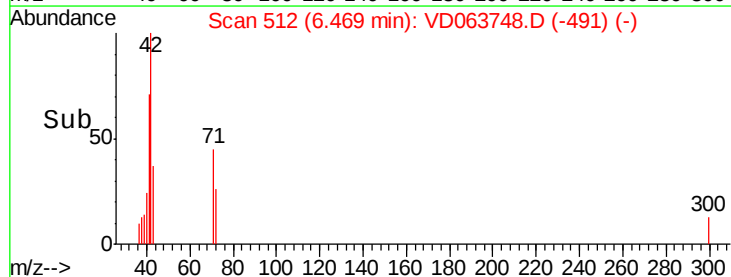
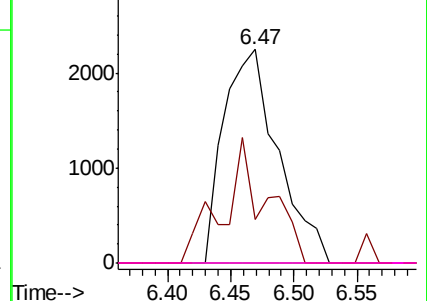


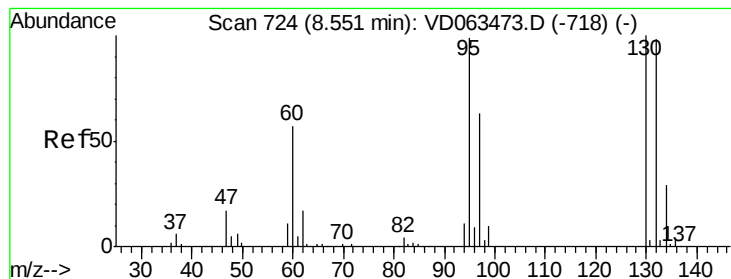
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#44

Trichloroethene

Concen: 14.992 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

Instrument :

MSVOA_D

ClientSampleId :

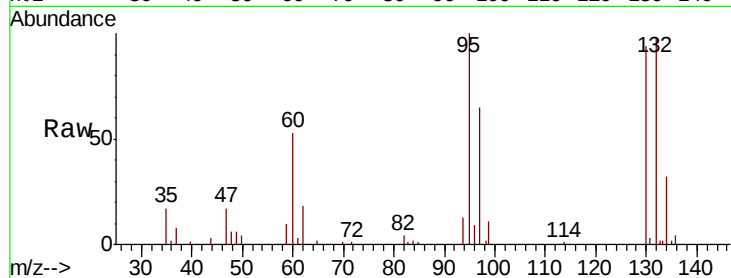
TS-1VE

Tgt Ion:130 Resp: 124870

Ion Ratio Lower Upper

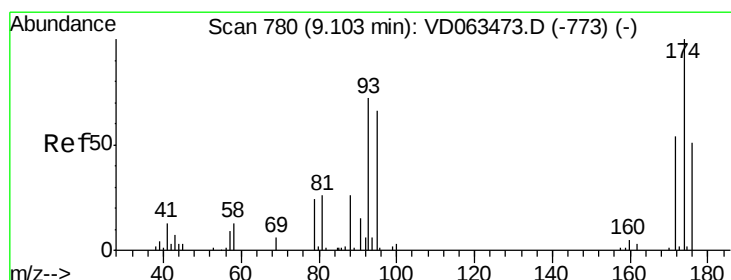
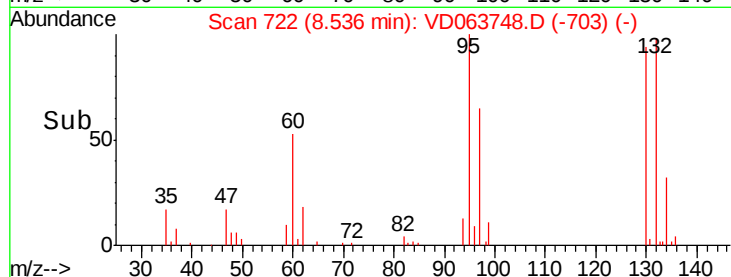
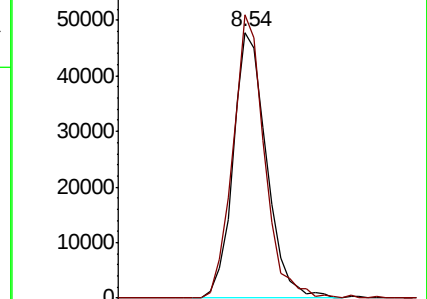
130 100

95 106.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#49

1,4-Dioxane

Concen: 30.710 ug/l

RT: 8.70 min Scan# 739

Delta R.T. -0.40 min

Lab File: VD063748.D

Acq: 22 Aug 2019 22:01

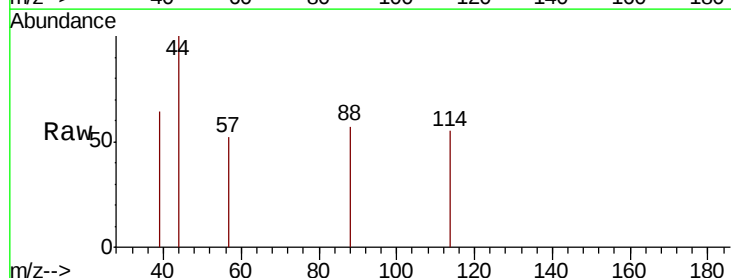
Tgt Ion: 88 Resp: 206

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

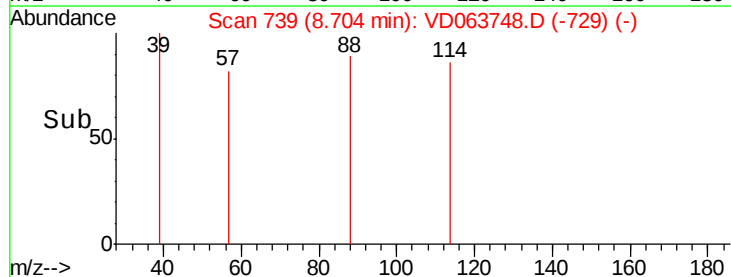
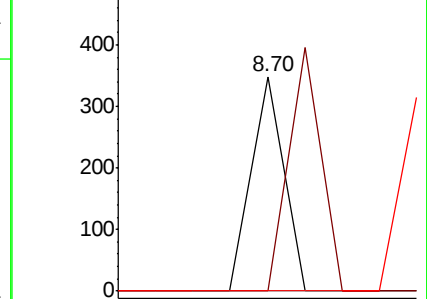
58 0.0 40.1 60.1#

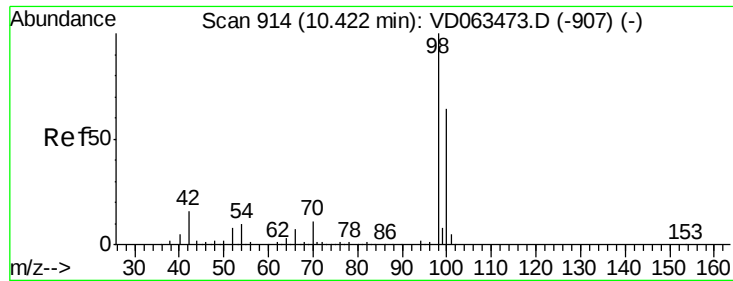


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

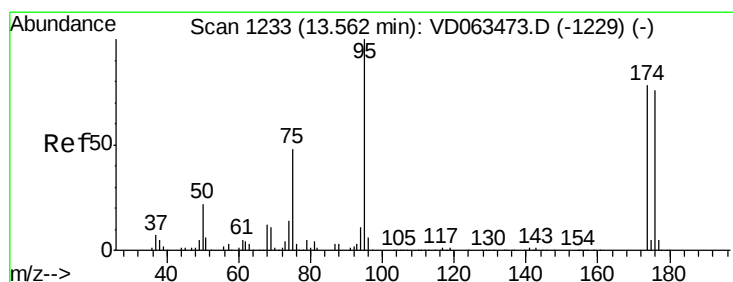
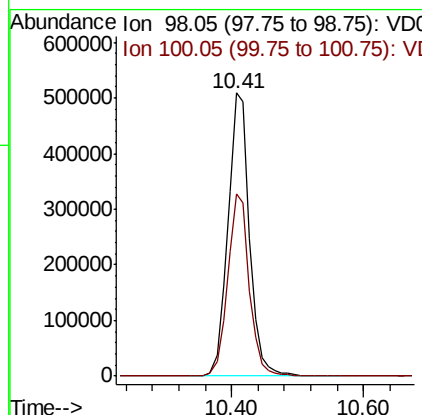
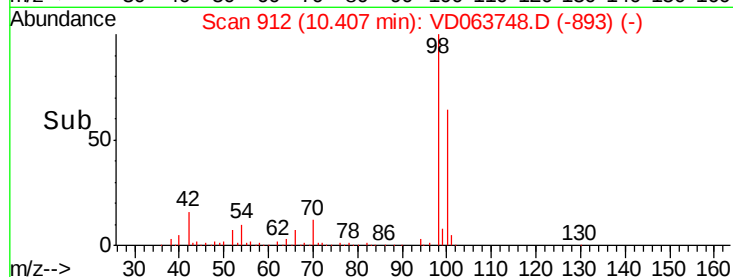
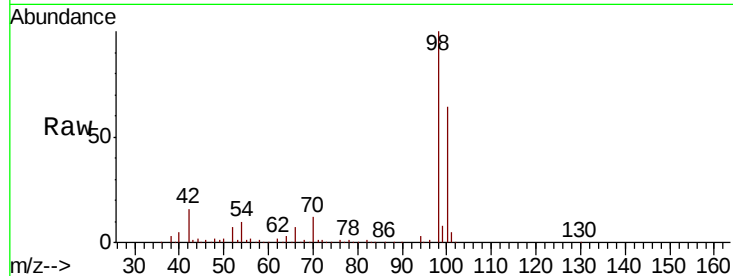




#50
Toluene-d8
Concen: 56.014 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

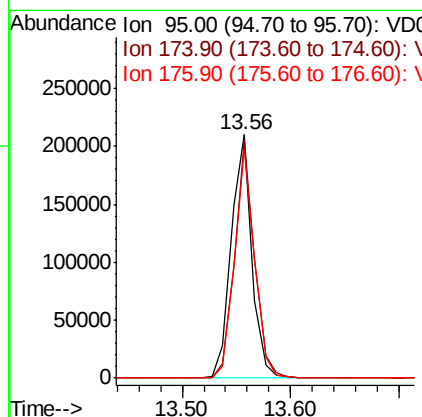
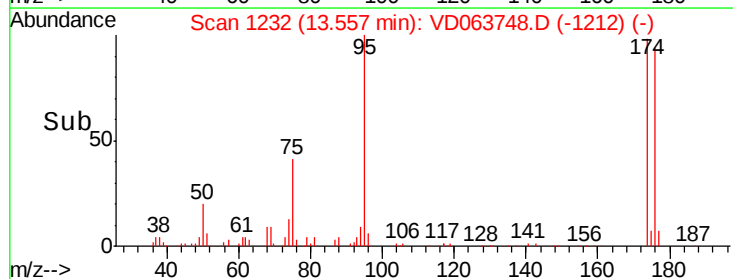
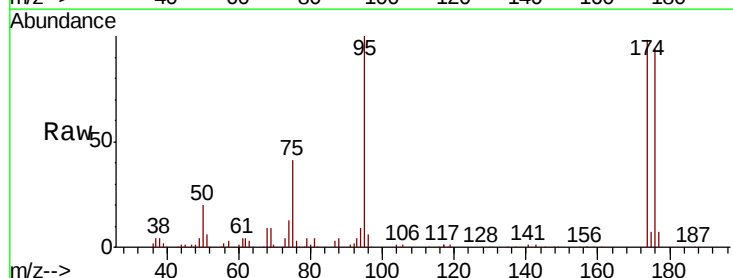
Instrument :
MSVOA_D
ClientSampleId :
TS-1VE

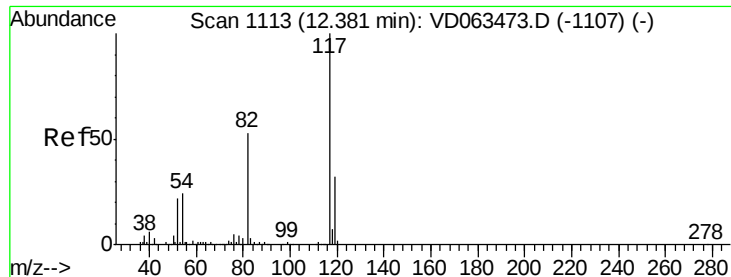
Tgt Ion: 98 Resp: 1161757
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 29.574 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Tgt Ion: 95 Resp: 278012
Ion Ratio Lower Upper
95 100
174 98.1 0.0 155.4
176 94.5 0.0 152.4

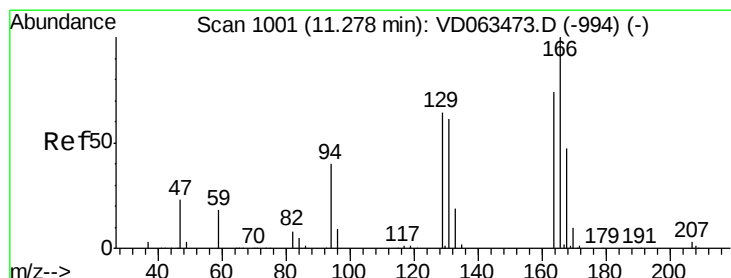
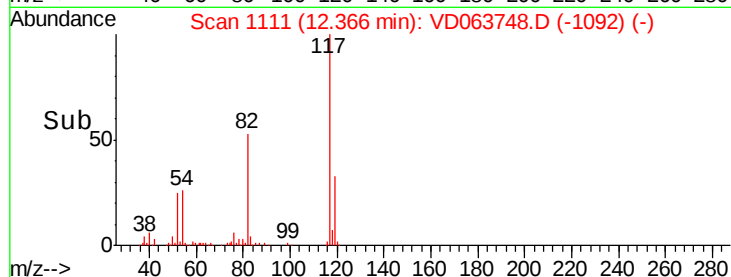
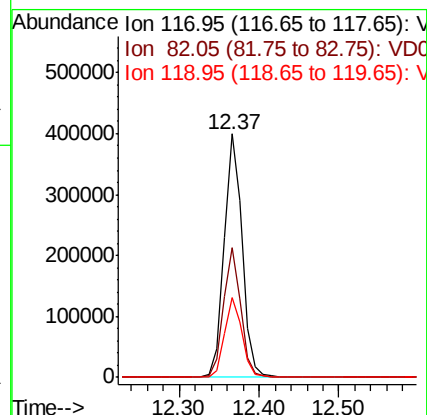
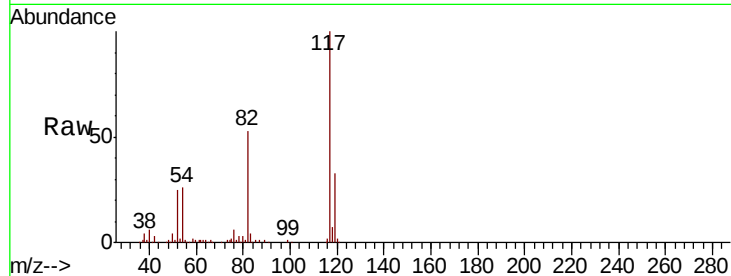




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

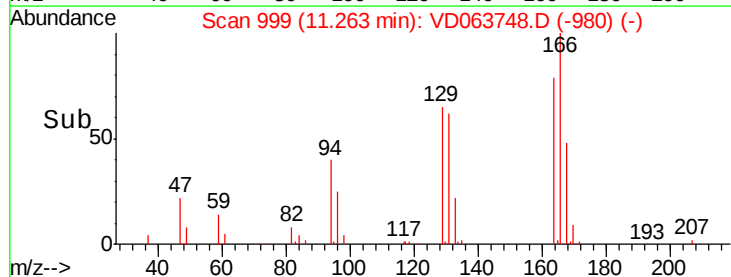
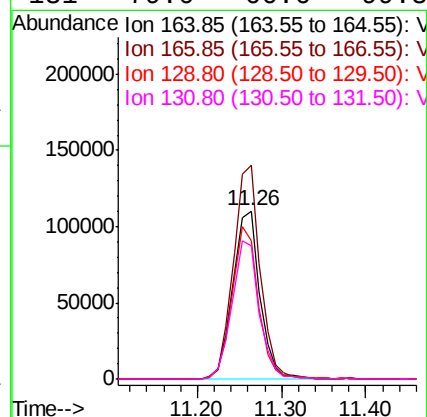
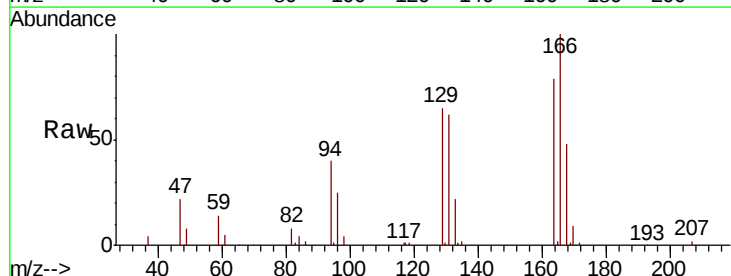
Instrument :
MSVOA_D
ClientSampled :
TS-1VE

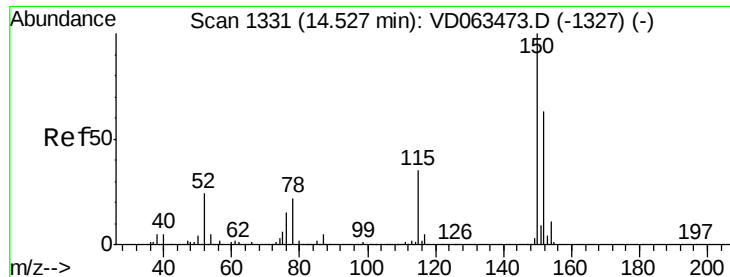
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.0	63.0
119	32.8	25.4	38.0



#64
Tetrachloroethene
Concen: 49.887 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	108.6	163.0
129	82.4	69.0	103.6
131	79.0	66.6	99.8



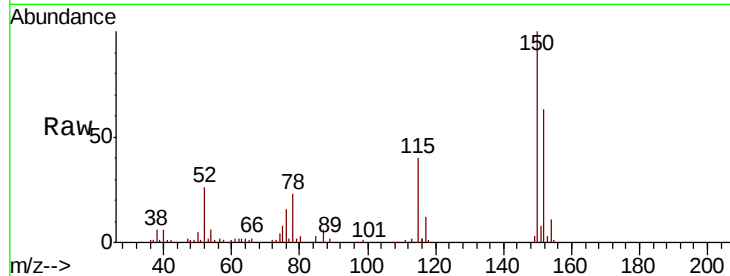


#72

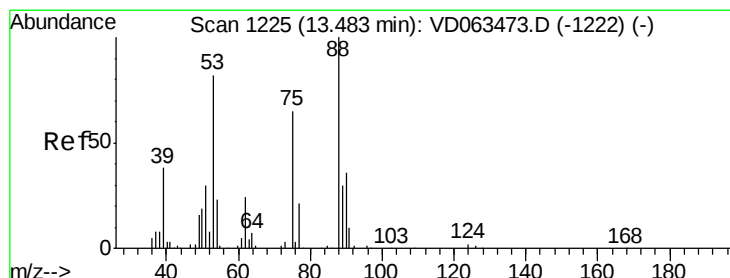
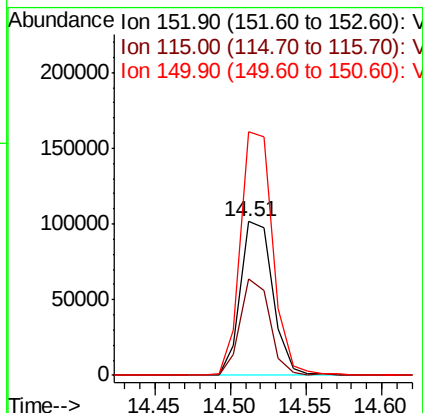
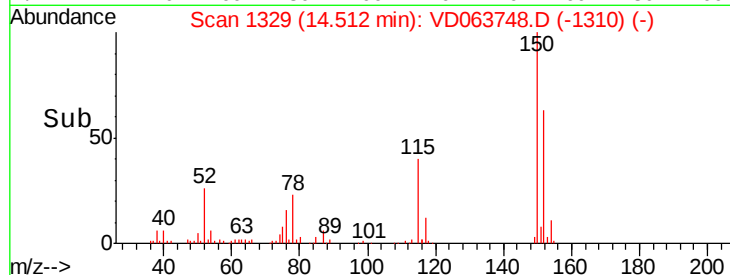
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Instrument :
MSVOA_D
ClientSampleId :
TS-1VE

Tgt Ion:152 Resp: 151543
Ion Ratio Lower Upper
152 100
115 62.8 30.9 92.7
150 158.6 0.0 318.6



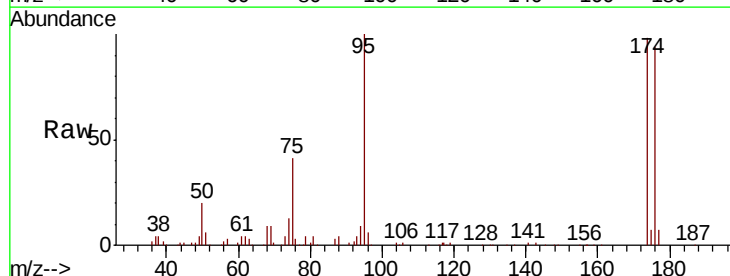
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



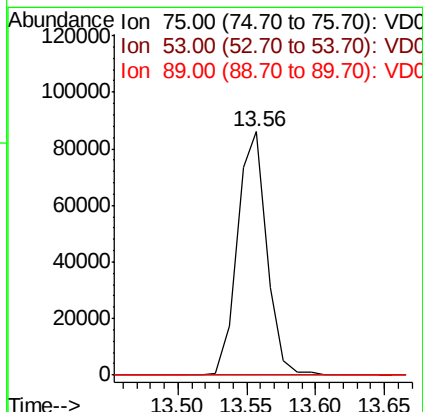
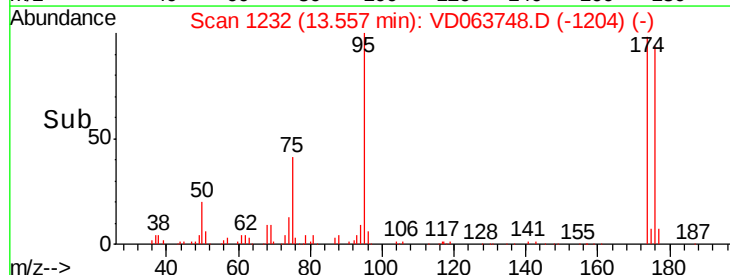
#81

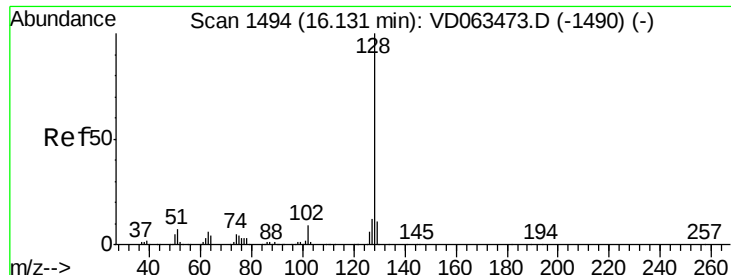
trans-1,4-Dichloro-2-butene
Concen: 272.420 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Tgt Ion: 75 Resp: 127344
Ion Ratio Lower Upper
75 100
53 0.0 101.0 151.4#
89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

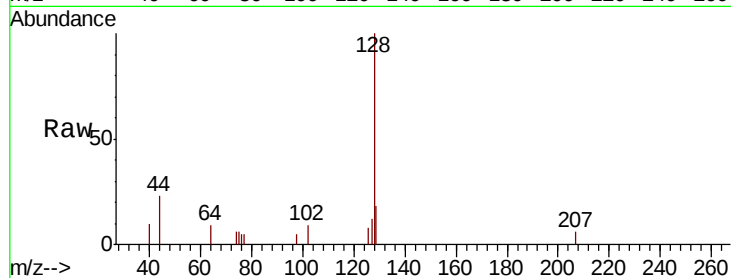




#95
Naphthalene
Concen: 1.819 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063748.D
Acq: 22 Aug 2019 22:01

Instrument :
MSVOA_D
ClientSampleId :
TS-1VE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.4	14.0
129	17.7	8.5	12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

