

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063689.D
 Acq On : 20 Aug 2019 17:17
 Operator : JC/SY
 Sample : K4388-04
 Misc : 5.79g/5ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B2-(2)

Quant Time: Aug 21 03:51:46 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	7.03	168	1068172	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1502992	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1081150	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	424489	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	503203	44.07	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.14%	
35) Dibromofluoromethane	6.91	113	587016	46.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.74%	
50) Toluene-d8	10.40	98	1295945	46.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	13.55	95	426535	33.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	67.64%	

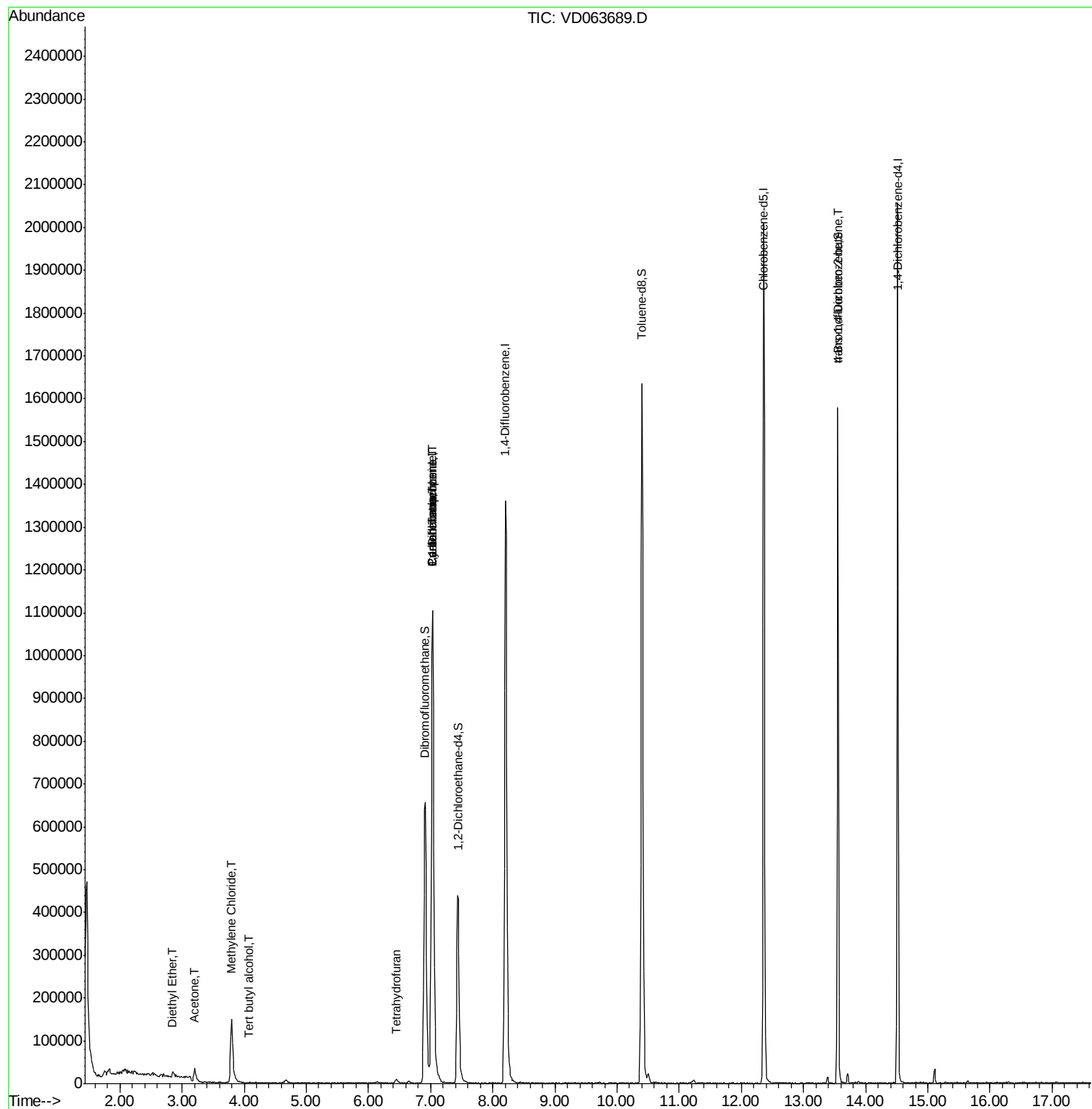
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	3261	1.175	ug/l	63
11) Tert butyl alcohol	4.06	59	1443	2.903	ug/l #	71
16) Acetone	3.20	43	63446	27.335	ug/l	100
20) Methylene Chloride	3.80	84	96287	9.594	ug/l	97
29) Tetrahydrofuran	6.46	42	6394	5.986	ug/l #	90
31) Cyclohexane	7.02	56	19373	1.879	ug/l #	8
36) 1,1-Dichloropropene	7.03	75	79512	5.984	ug/l #	52
38) Carbon Tetrachloride	7.03	117	102447	5.116	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	184620	140.997	ug/l #	1

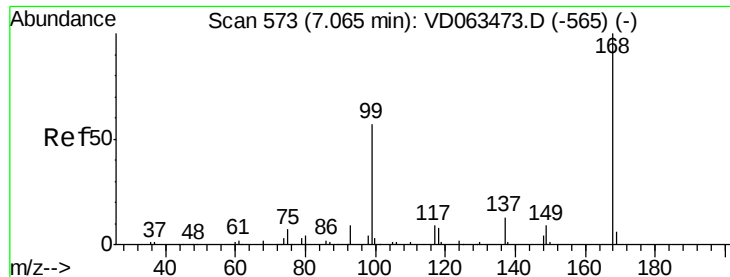
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

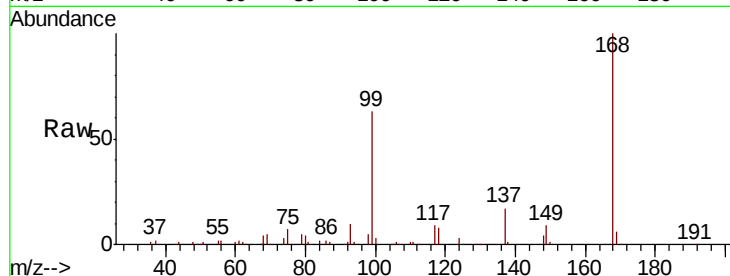
T4-B2-(2)

Tgt Ion:168 Resp: 1068172

Ion Ratio Lower Upper

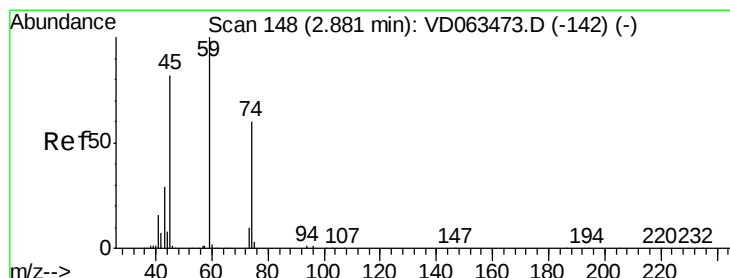
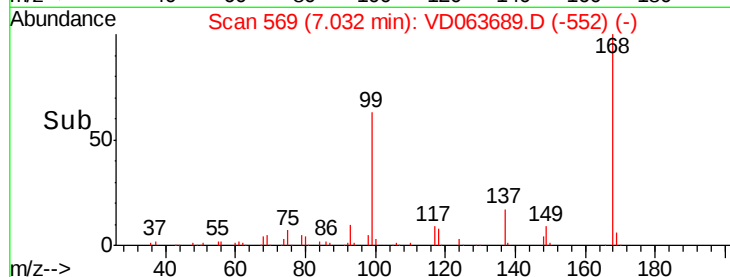
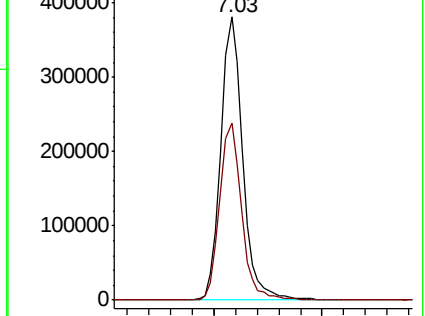
168 100

99 62.7 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: 1.175 ug/l

RT: 2.85 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD063689.D

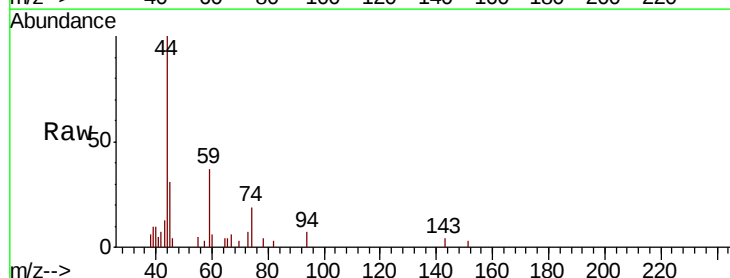
Acq: 20 Aug 2019 17:17

Tgt Ion: 74 Resp: 3261

Ion Ratio Lower Upper

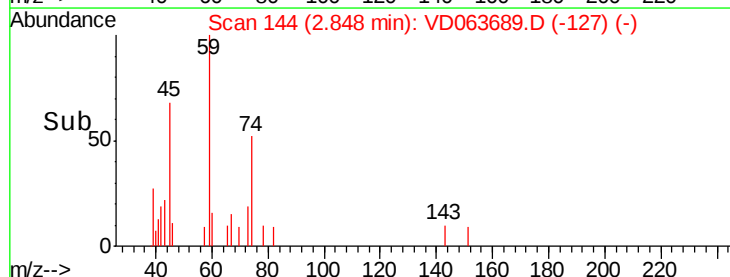
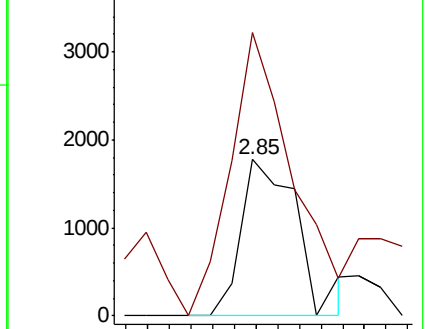
74 100

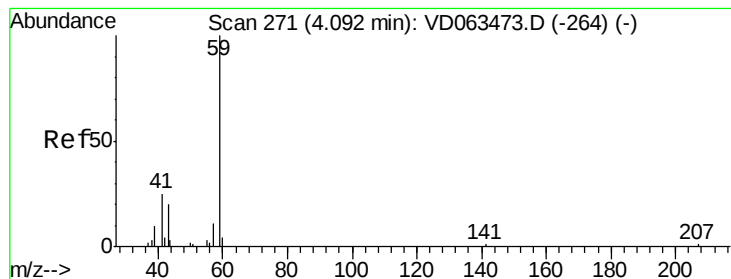
45 181.0 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



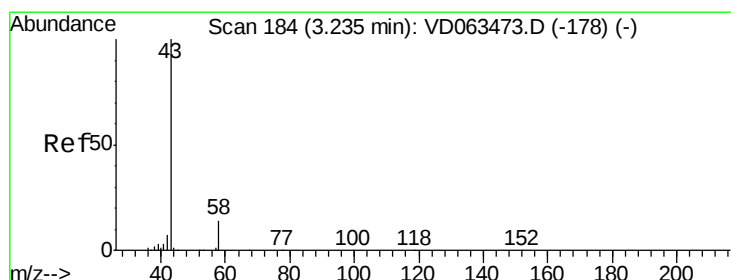
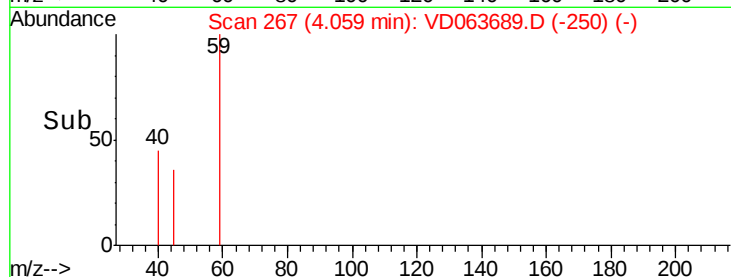
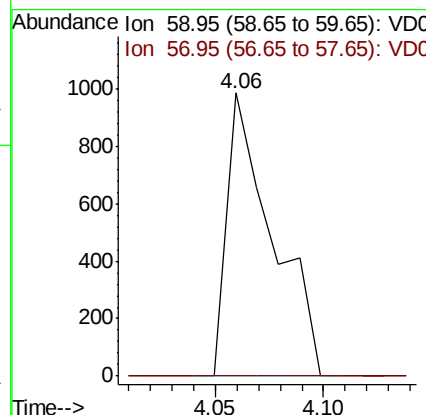
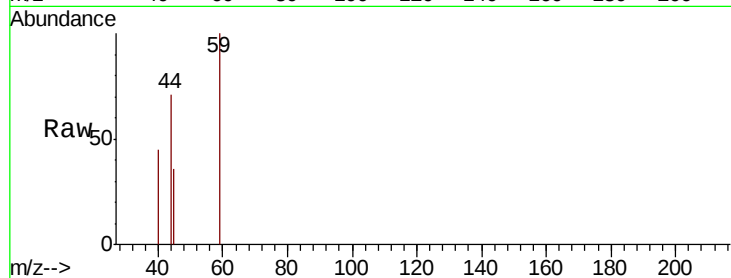


#11

Tert butyl alcohol
 Concen: 2.903 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD063689.D
 Acq: 20 Aug 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B2-(2)

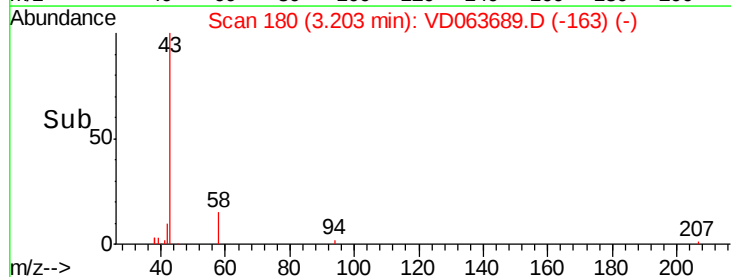
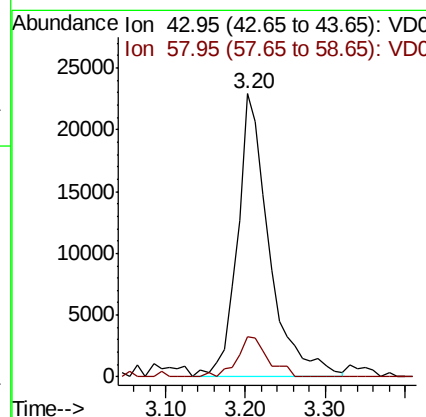
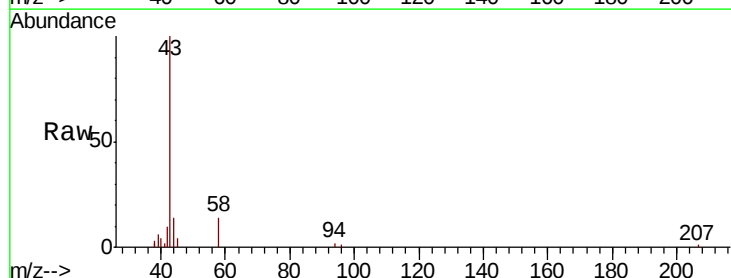
Tgt Ion: 59 Resp: 1443
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

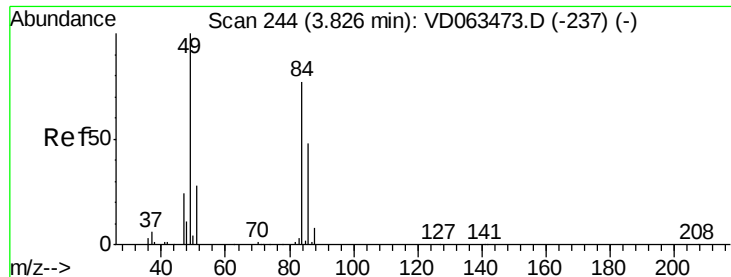


#16

Acetone
 Concen: 27.335 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VD063689.D
 Acq: 20 Aug 2019 17:17

Tgt Ion: 43 Resp: 63446
 Ion Ratio Lower Upper
 43 100
 58 14.4 11.4 17.2

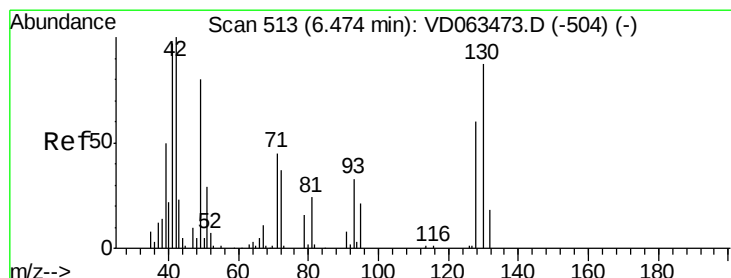
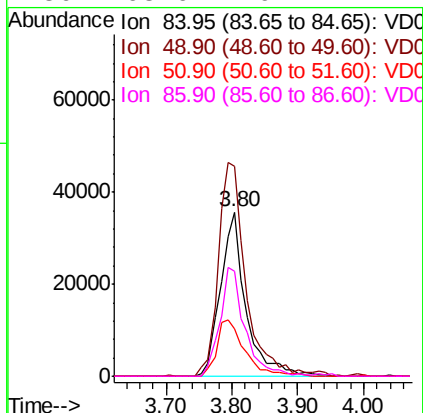
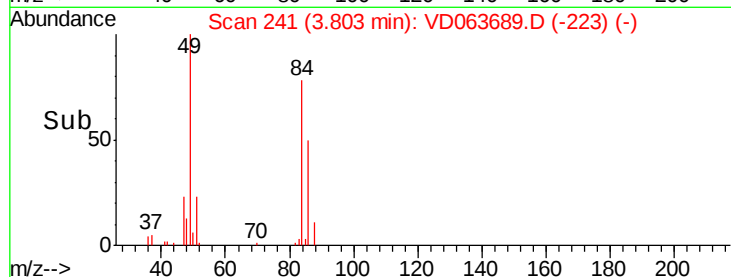
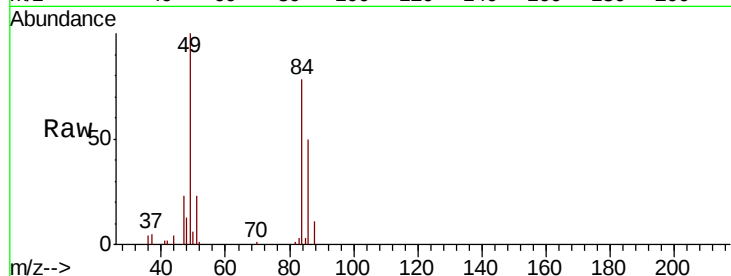




#20
Methylene Chloride
Concen: 9.594 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063689.D
Acq: 20 Aug 2019 17:17

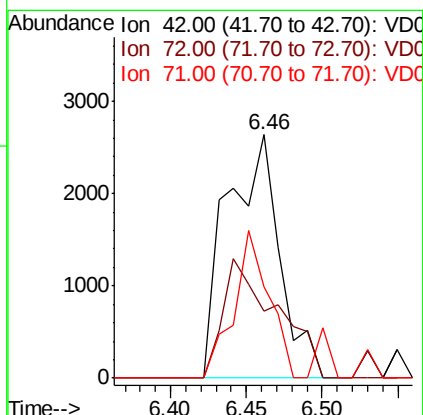
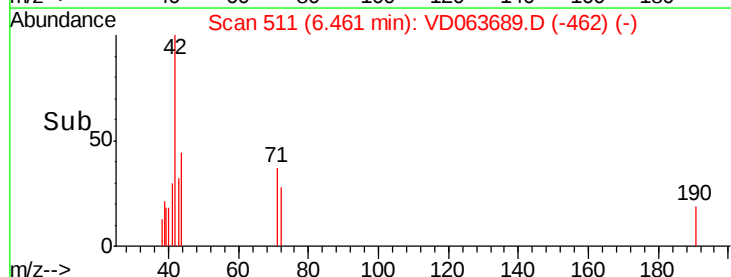
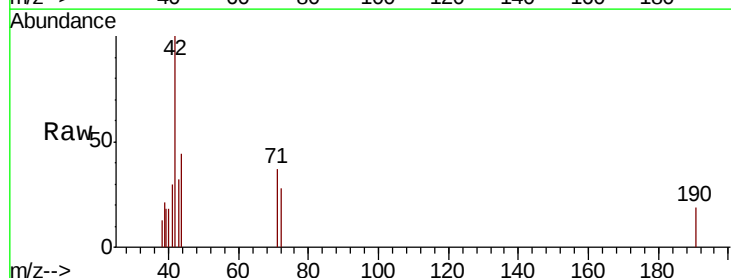
Instrument :
MSVOA_D
ClientSampleId :
T4-B2-(2)

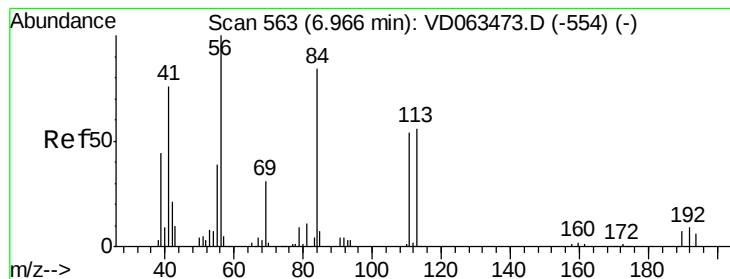
Tgt Ion:	84	Resp:	96287
Ion	Ratio	Lower	Upper
84	100		
49	127.8	103.4	155.2
51	29.1	28.5	42.7
86	63.6	49.4	74.2



#29
Tetrahydrofuran
Concen: 5.986 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063689.D
Acq: 20 Aug 2019 17:17

Tgt Ion:	42	Resp:	6394
Ion	Ratio	Lower	Upper
42	100		
72	50.0	31.5	47.3#
71	40.0	33.8	50.8





#31

Cyclohexane

Concen: 1.879 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.06 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

T4-B2-(2)

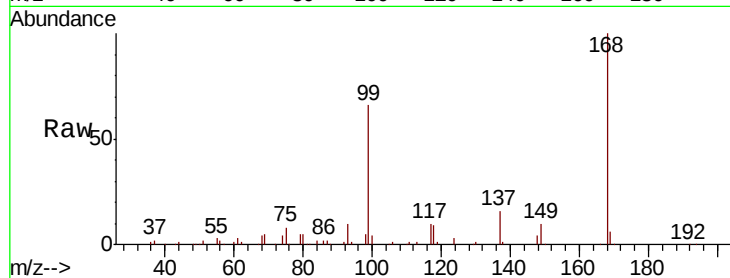
Tgt Ion: 56 Resp: 19373

Ion Ratio Lower Upper

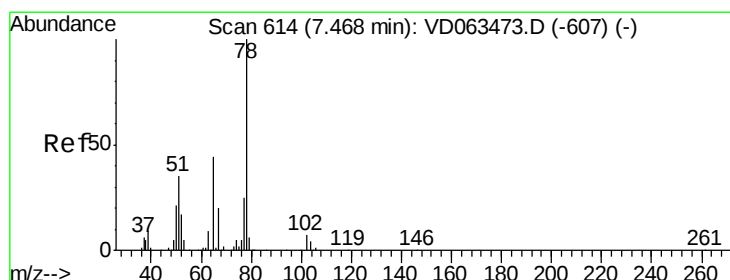
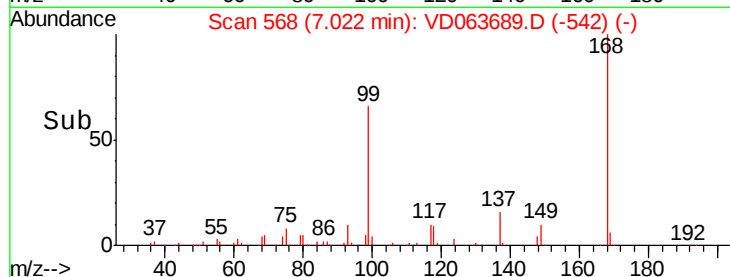
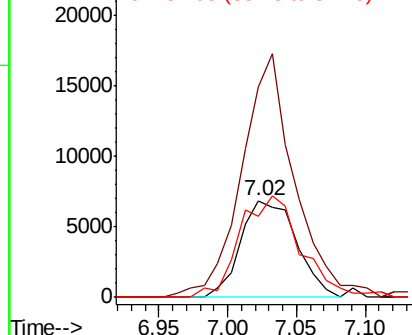
56 100

69 216.7 25.0 37.6#

84 83.1 69.7 104.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 44.071 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD063689.D

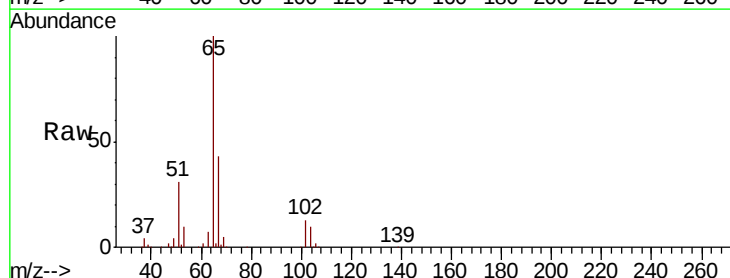
Acq: 20 Aug 2019 17:17

Tgt Ion: 65 Resp: 503203

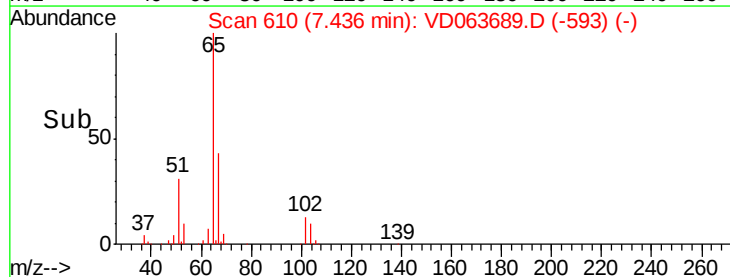
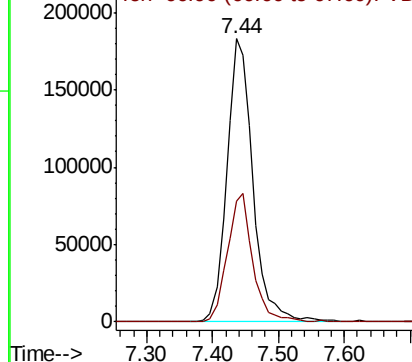
Ion Ratio Lower Upper

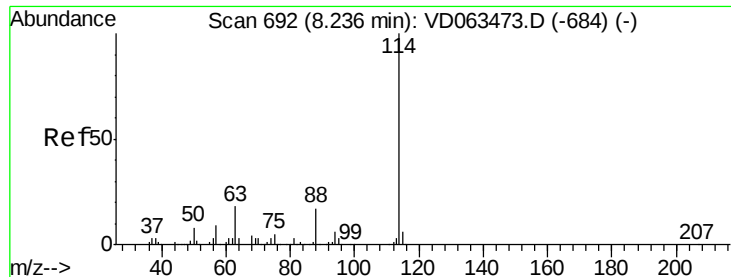
65 100

67 42.8 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: 8.20 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

T4-B2-(2)

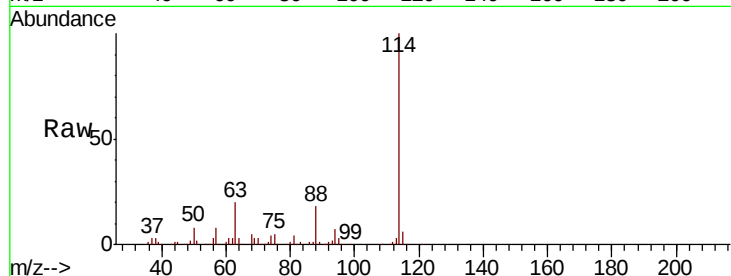
Tgt Ion:114 Resp: 1502992

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.2

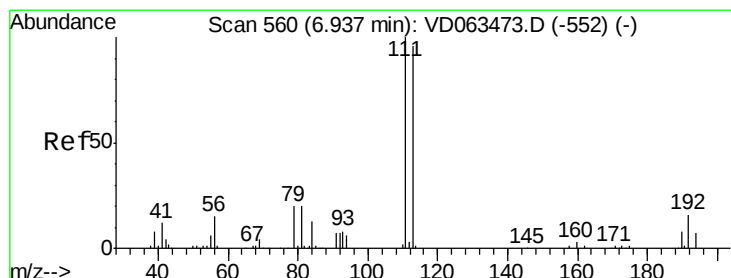
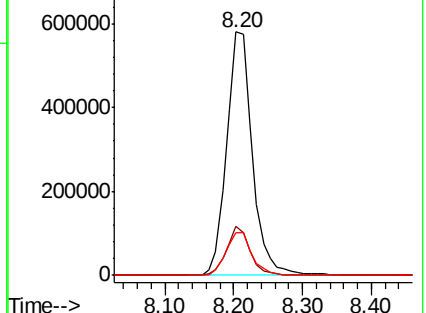
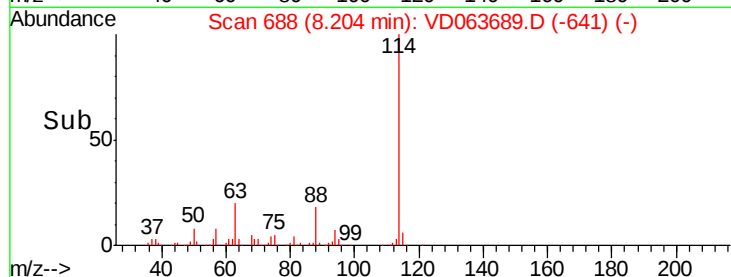
88 17.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.374 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

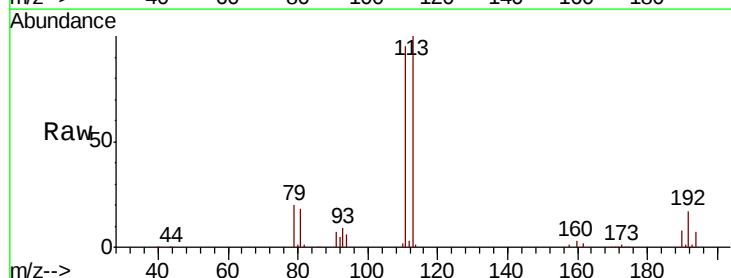
Tgt Ion:113 Resp: 587016

Ion Ratio Lower Upper

113 100

111 95.1 83.1 124.7

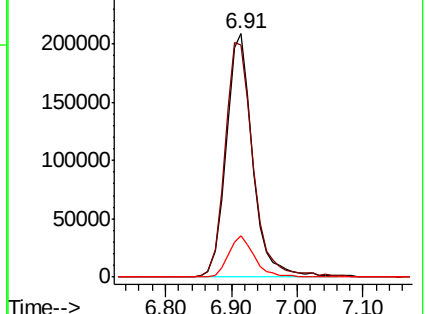
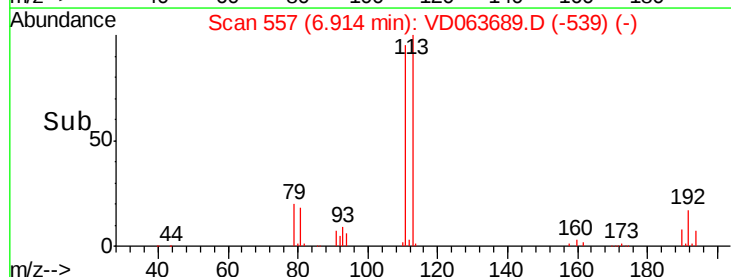
192 17.1 13.1 19.7

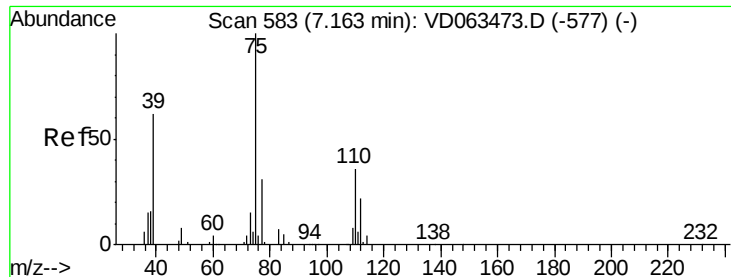


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.984 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

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T4-B2-(2)

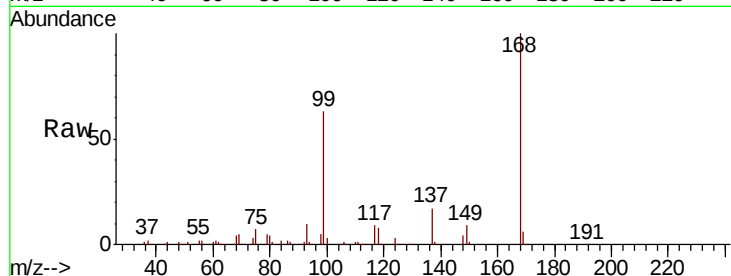
Tgt Ion: 75 Resp: 79512

Ion Ratio Lower Upper

75 100

110 11.0 17.6 52.8#

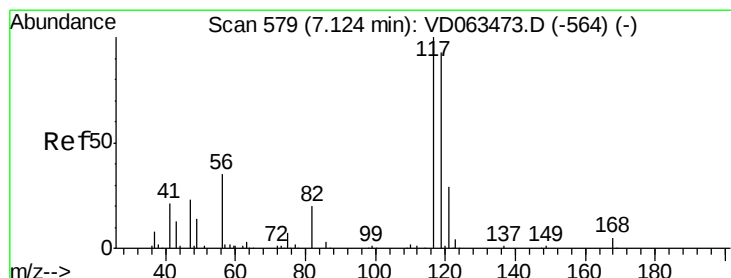
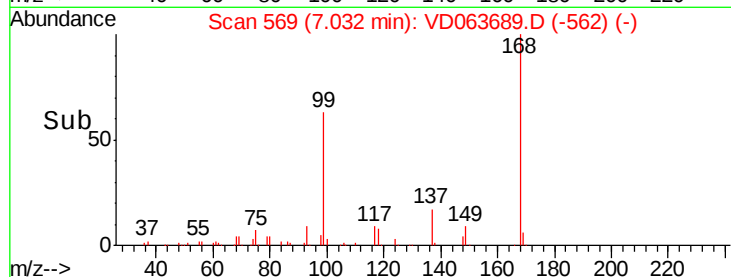
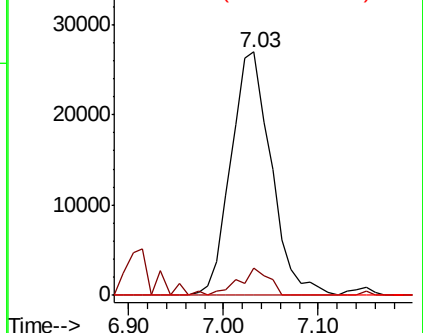
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

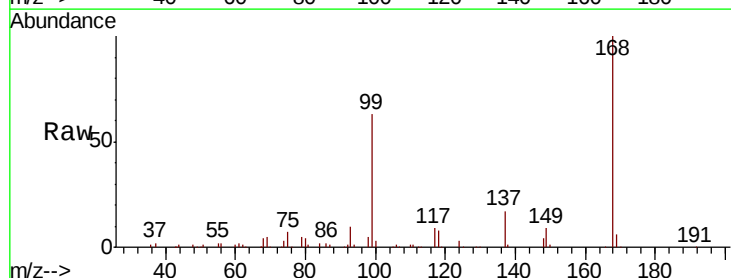
Tgt Ion: 117 Resp: 102447

Ion Ratio Lower Upper

117 100

119 4.9 74.2 111.2#

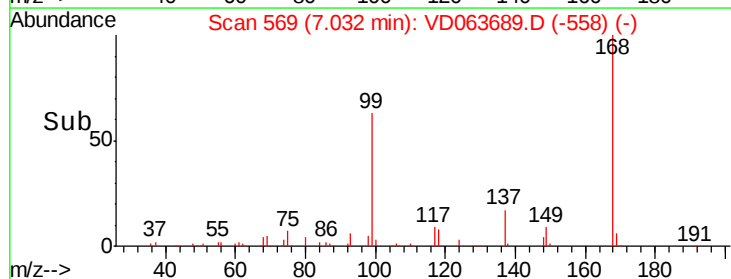
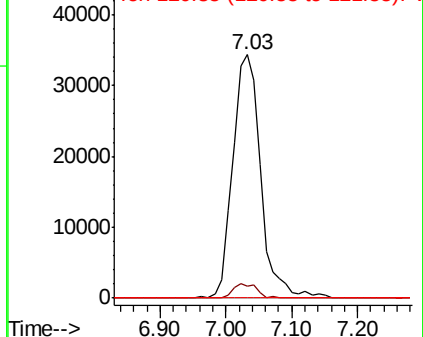
121 0.0 23.1 34.7#

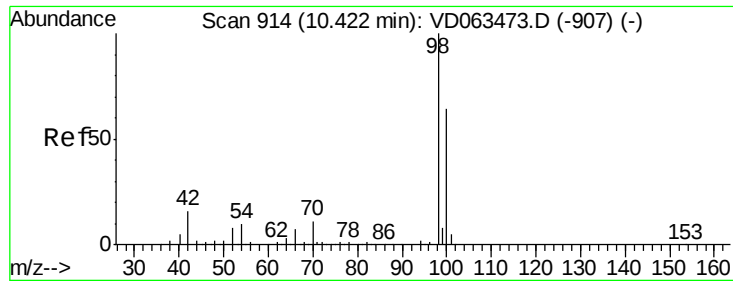


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

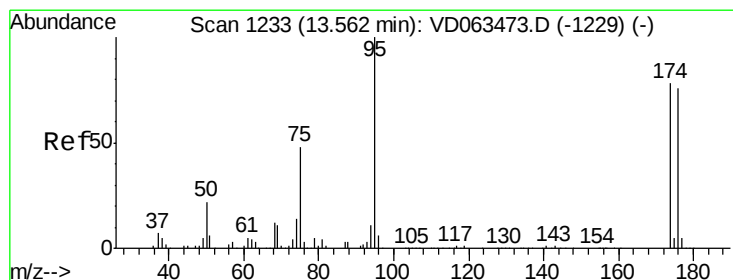
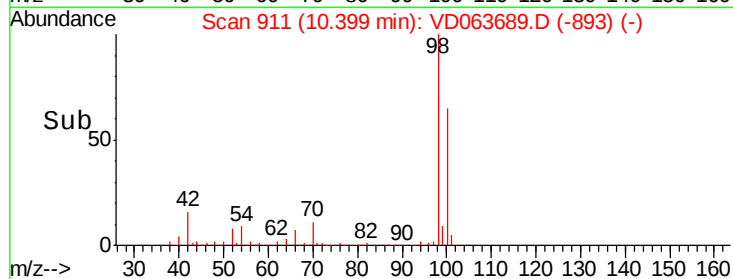
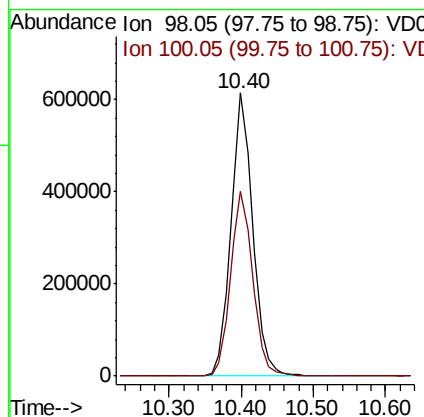
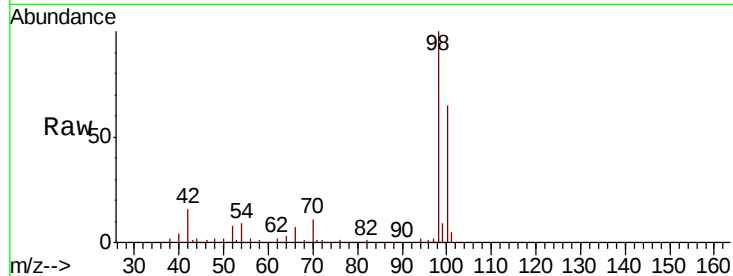




#50
Toluene-d8
Concen: 46.567 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063689.D
Acq: 20 Aug 2019 17:17

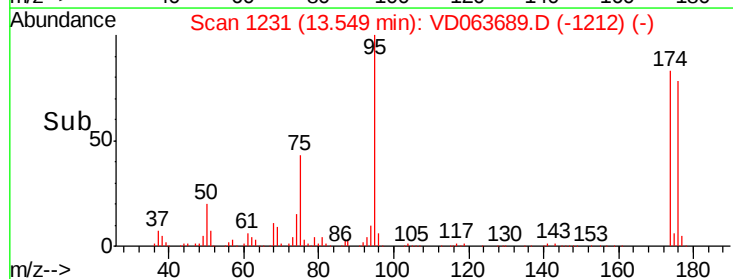
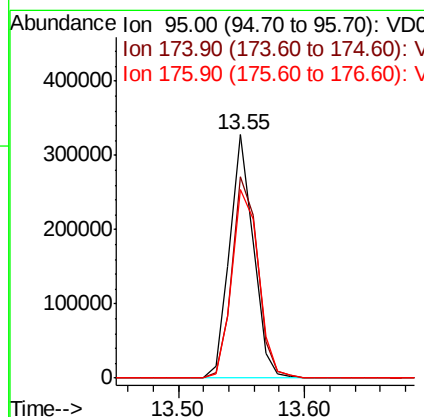
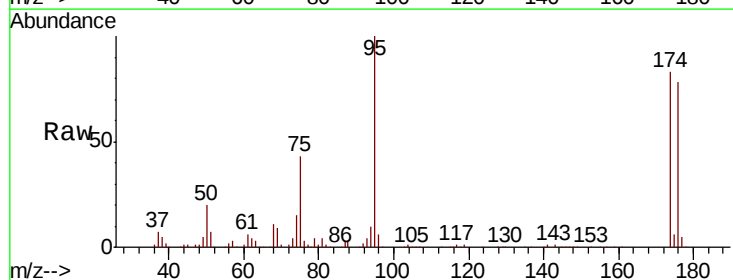
Instrument :
MSVOA_D
ClientSampleId :
T4-B2-(2)

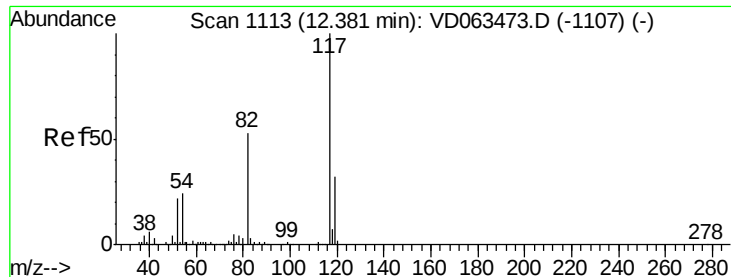
Tgt Ion: 98 Resp: 1295945
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 33.815 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063689.D
Acq: 20 Aug 2019 17:17

Tgt Ion: 95 Resp: 426535
Ion Ratio Lower Upper
95 100
174 82.8 0.0 155.4
176 77.7 0.0 152.4

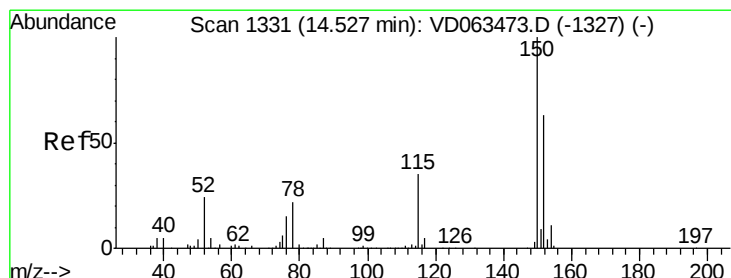
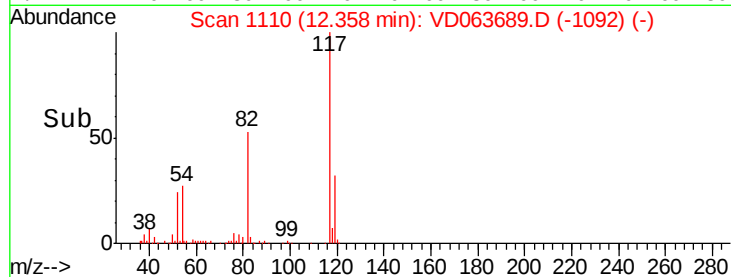
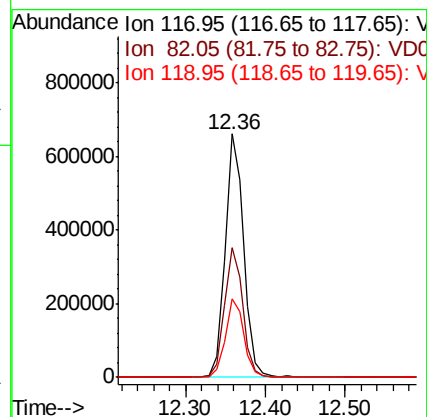
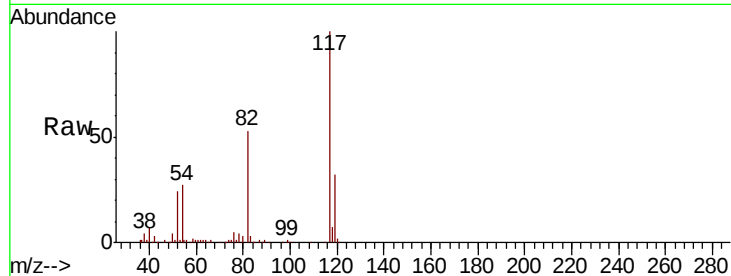




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063689.D
Acq: 20 Aug 2019 17:17

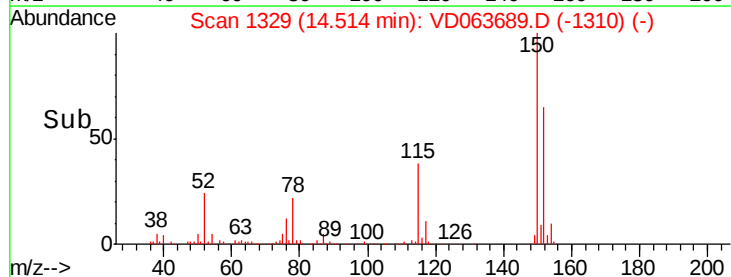
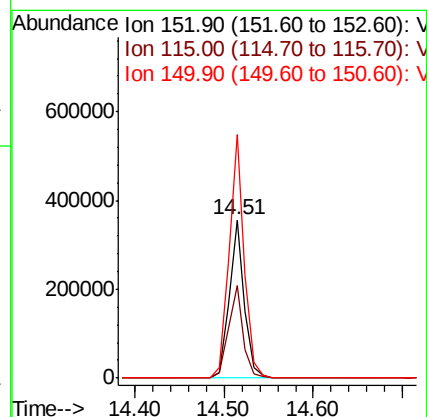
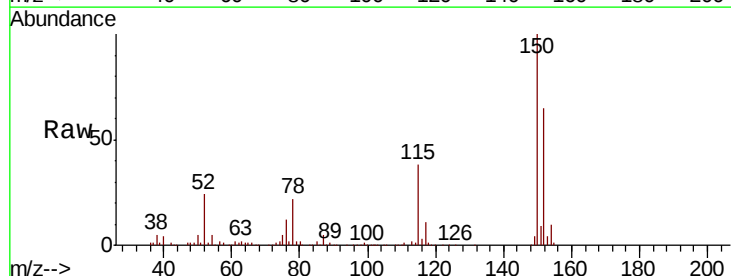
Instrument :
MSVOA_D
ClientSampleId :
T4-B2-(2)

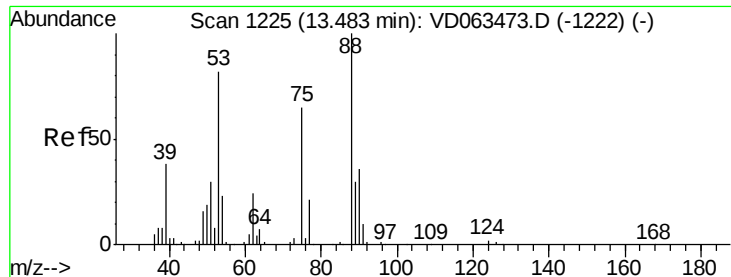
Tgt Ion:117 Resp: 1081150
Ion Ratio Lower Upper
117 100
82 53.5 42.0 63.0
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063689.D
Acq: 20 Aug 2019 17:17

Tgt Ion:152 Resp: 424489
Ion Ratio Lower Upper
152 100
115 58.8 30.9 92.7
150 153.9 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 140.997 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063689.D

Acq: 20 Aug 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

T4-B2-(2)

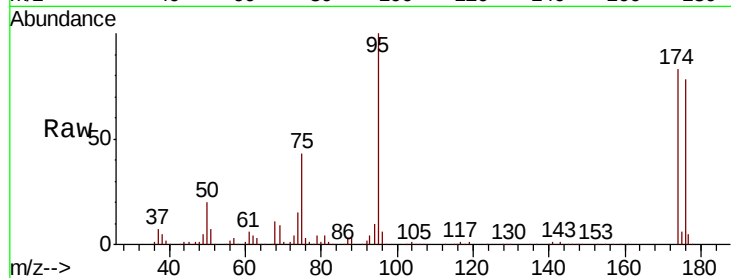
Tgt Ion: 75 Resp: 184620

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

