

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041219\
 Data File : VD061776.D
 Acq On : 12 Apr 2019 14:12
 Operator : VA/AP
 Sample : K2346-01RE
 Misc : 6.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229RE

Quant Time: Apr 12 17:04:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	547516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	915041	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	764225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	366786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	266310	64.17	ug/l	0.00
Spiked Amount			Recovery	=	128.34%	
35) Dibromofluoromethane	6.92	113	417233	65.82	ug/l	0.00
Spiked Amount			Recovery	=	131.64%	
50) Toluene-d8	10.40	98	929030	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	
62) 4-Bromofluorobenzene	13.54	95	330562	62.14	ug/l	0.00
Spiked Amount			Recovery	=	124.28%	

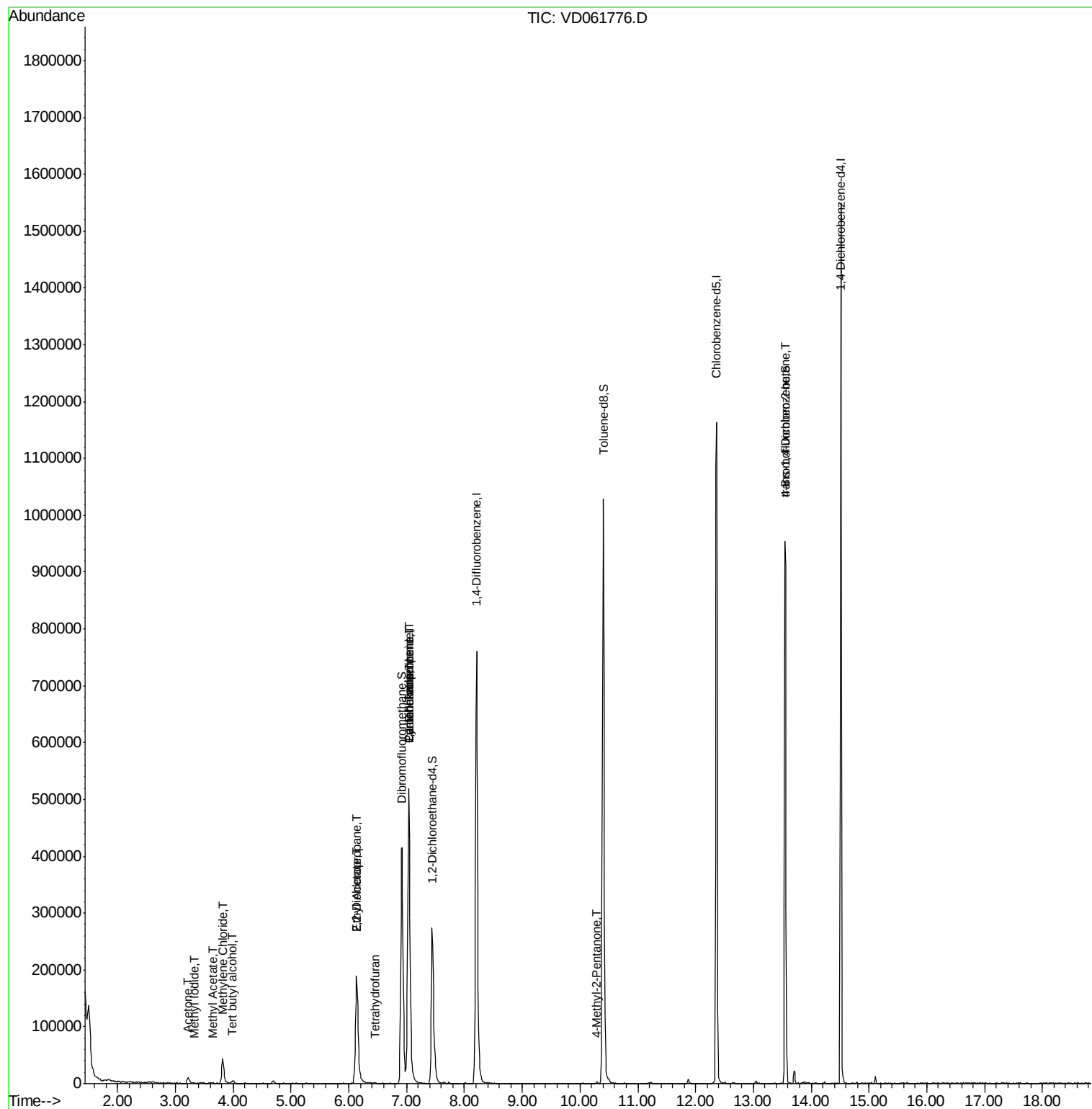
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	1095	3.757	ug/l #	38
11) Tert butyl alcohol	4.00	59	5171	18.592	ug/l #	72
16) Acetone	3.22	43	22029	17.757	ug/l	94
18) Methyl Acetate	3.64	43	2647	1.134	ug/l #	53
20) Methylene Chloride	3.82	84	32757	4.653	ug/l #	92
26) 2,2-Dichloropropane	6.14	77	14013	1.721	ug/l #	50
29) Tetrahydrofuran	6.47	42	1705	2.470	ug/l #	30
31) Cyclohexane	7.03	56	10083	1.290	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	40778	5.092	ug/l #	46
37) Ethyl Acetate	6.13	43	11226	3.442	ug/l #	1
38) Carbon Tetrachloride	7.04	117	53268	5.675	ug/l #	14
51) 4-Methyl-2-Pentanone	10.30	43	2955	1.055	ug/l #	85
81) trans-1,4-Dichloro-2-buten	13.54	75	128589	84.918	ug/l #	20

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

Instrument :

MSVOA_D

ClientSampleId :

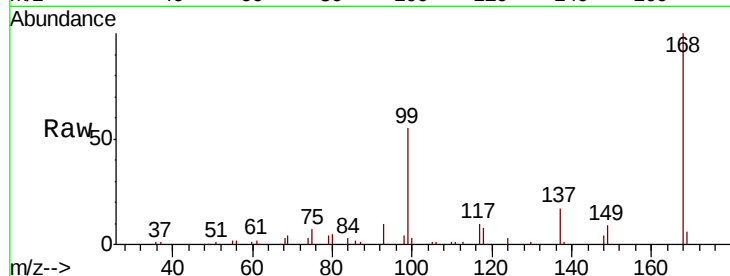
VNJ-229RE

Tgt Ion:168 Resp: 547516

Ion Ratio Lower Upper

168 100

99 55.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

200000

150000

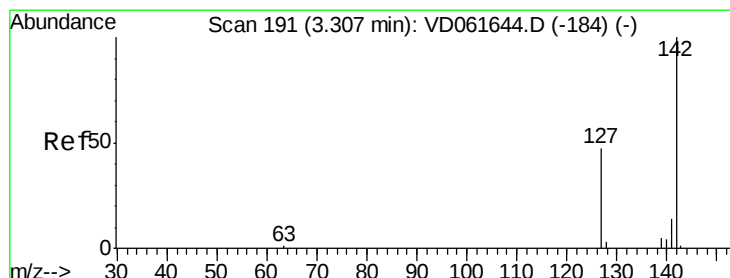
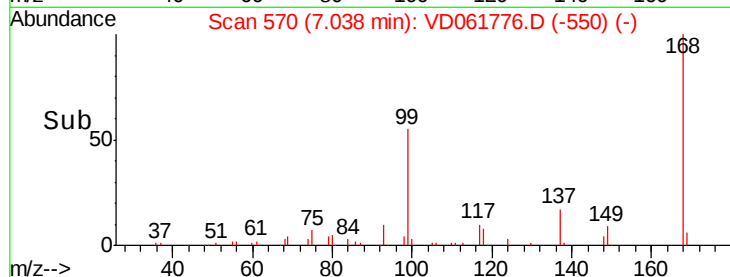
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.757 ug/l

RT: 3.34 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

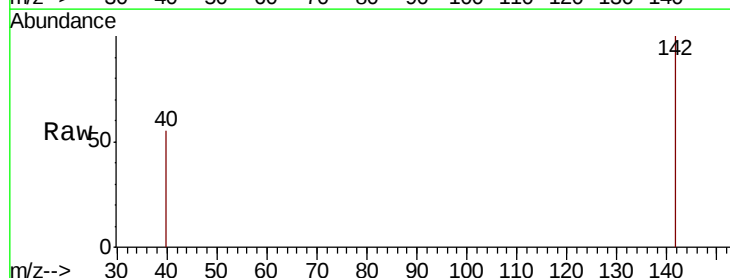
Tgt Ion:142 Resp: 1095

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

141 0.0 10.8 16.2#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

800

600

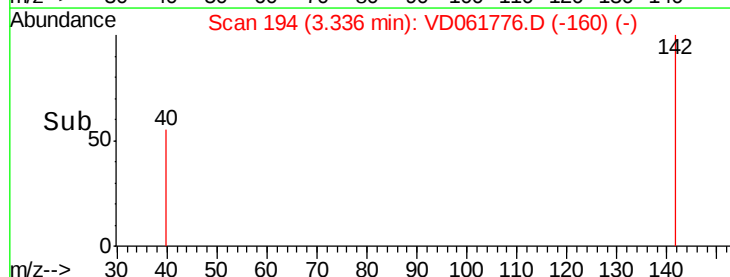
400

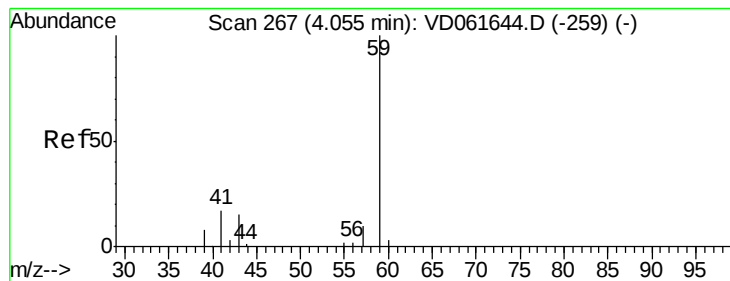
200

0

3.25 3.30 3.35

Time-->



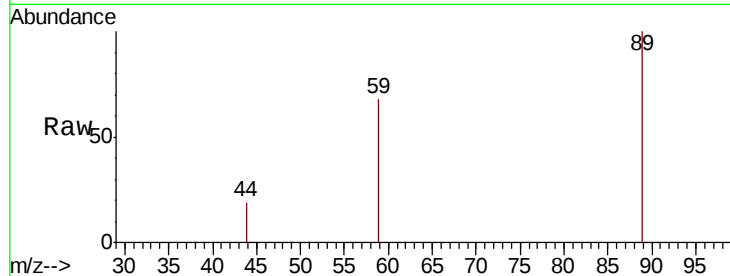


#11

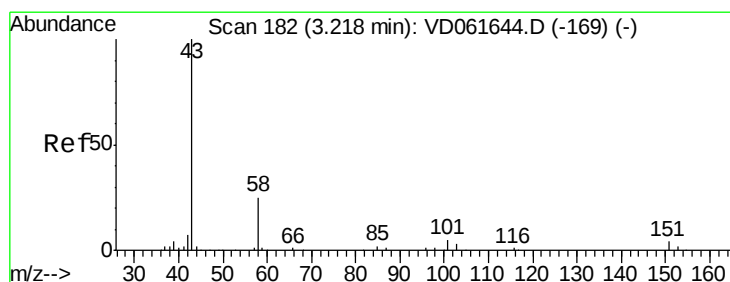
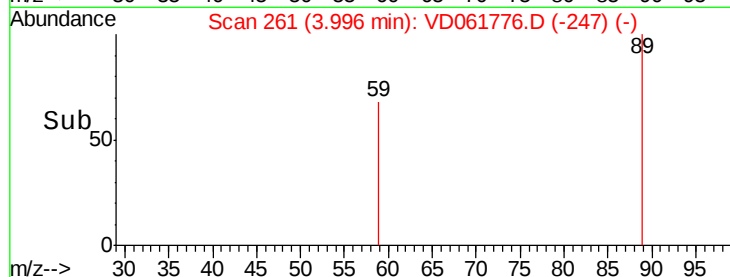
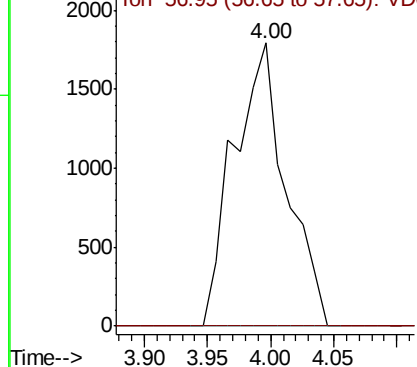
Tert butyl alcohol
 Concen: 18.592 ug/l
 RT: 4.00 min Scan# 261
 Delta R.T. -0.06 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229RE

Tgt Ion: 59 Resp: 5171
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



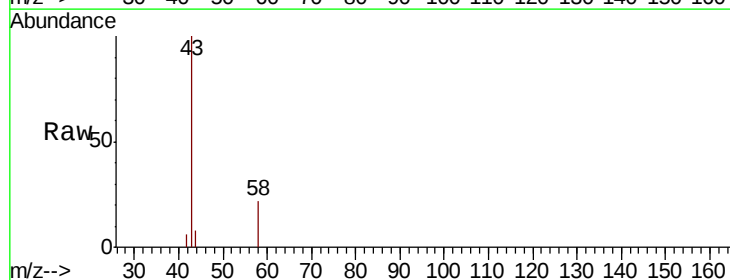
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



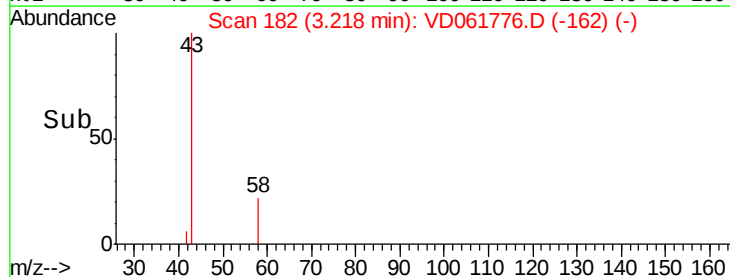
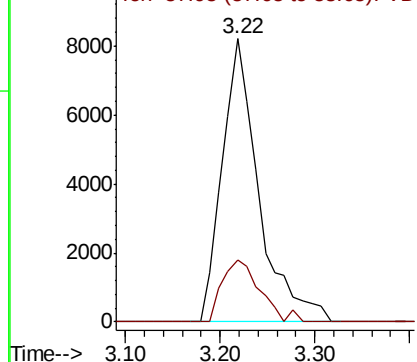
#16

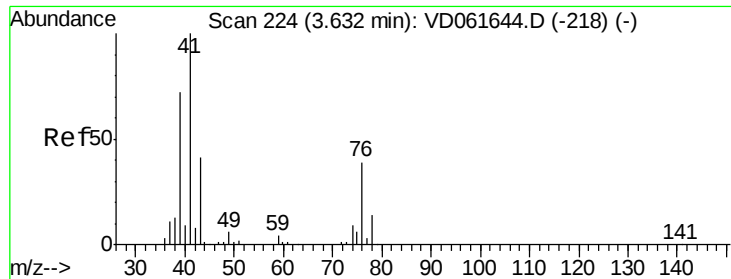
Acetone
 Concen: 17.757 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Tgt Ion: 43 Resp: 22029
 Ion Ratio Lower Upper
 43 100
 58 21.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC





#18

Methyl Acetate

Concen: 1.134 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

Instrument :

MSVOA_D

ClientSampleId :

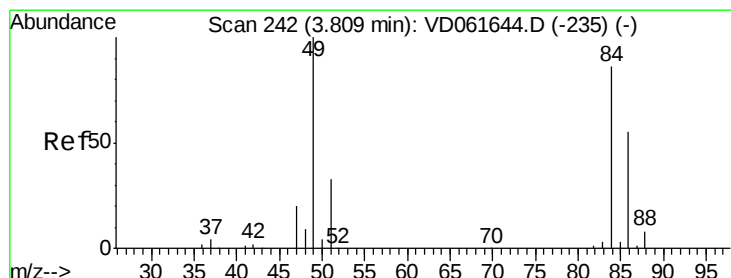
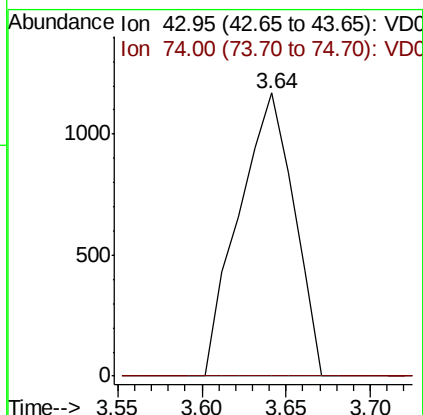
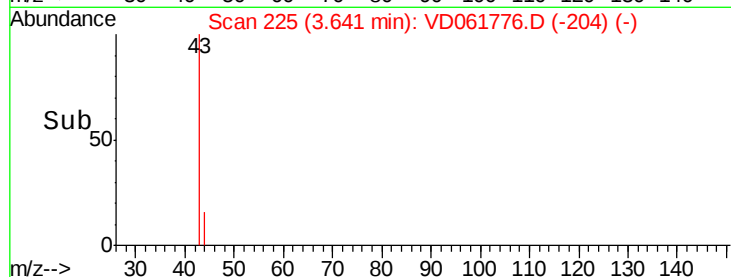
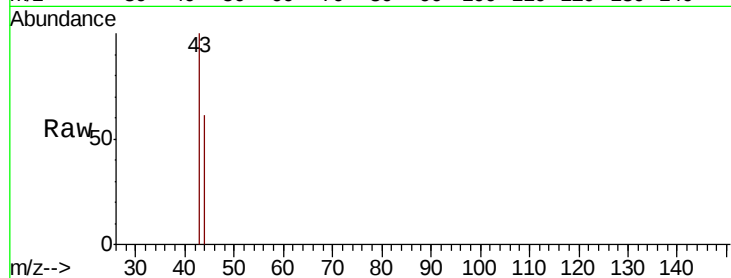
VNJ-229RE

Tgt Ion: 43 Resp: 2647

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.2#



#20

Methylene Chloride

Concen: 4.653 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

Tgt Ion: 84 Resp: 32757

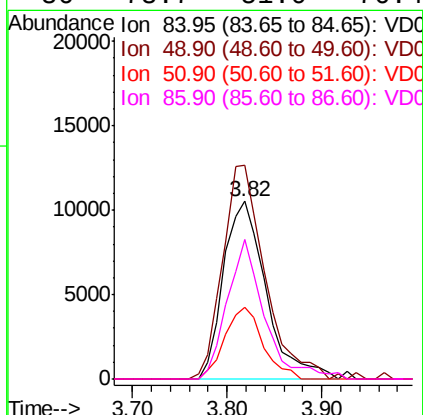
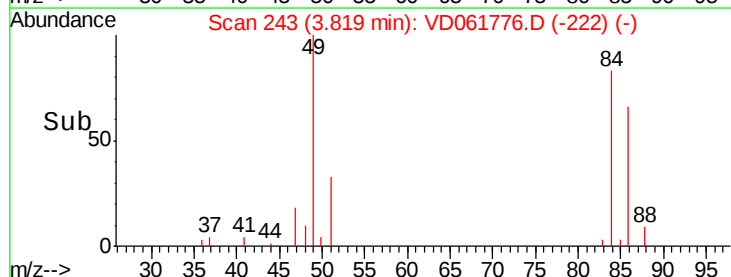
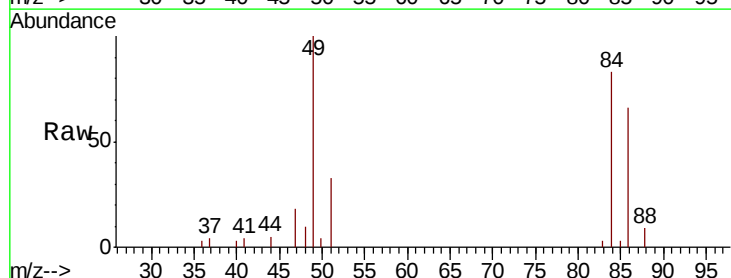
Ion Ratio Lower Upper

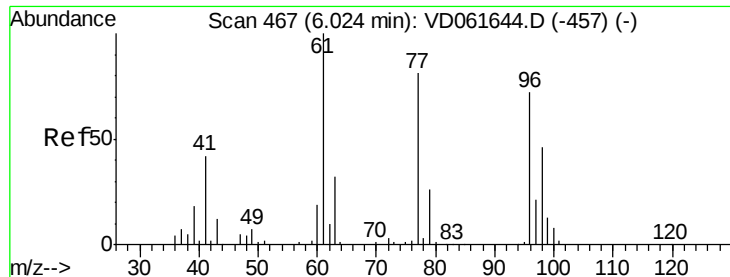
84 100

49 120.1 93.0 139.4

51 40.1 30.4 45.6

86 78.7 51.0 76.4#





#26

2,2-Dichloropropane

Concen: 1.721 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.12 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

Instrument :

MSVOA_D

ClientSampleId :

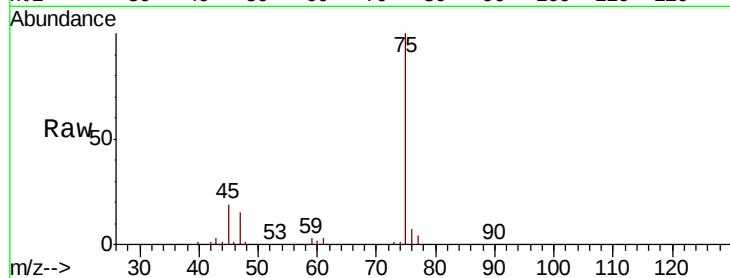
VNJ-229RE

Tgt Ion: 77 Resp: 14013

Ion Ratio Lower Upper

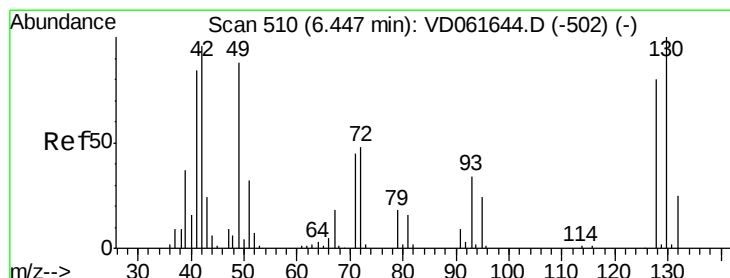
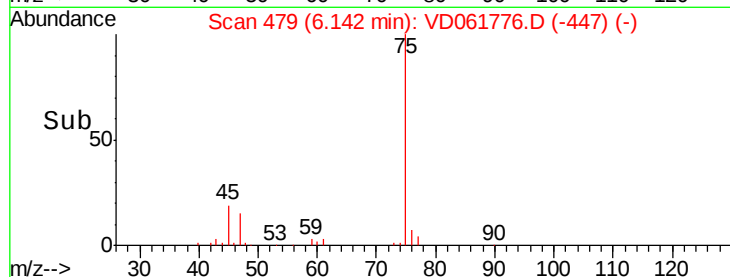
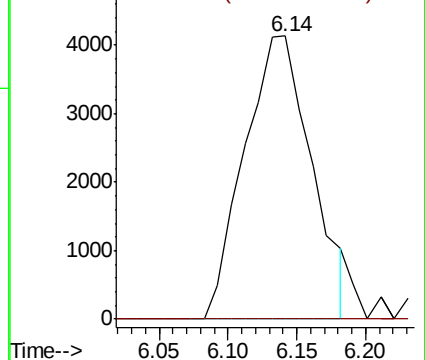
77 100

97 0.0 12.7 38.0#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#29

Tetrahydrofuran

Concen: 2.470 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

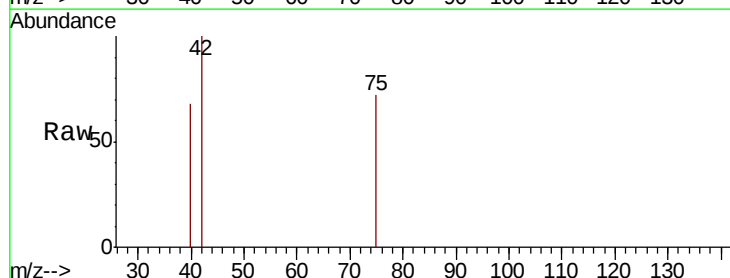
Tgt Ion: 42 Resp: 1705

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.6#

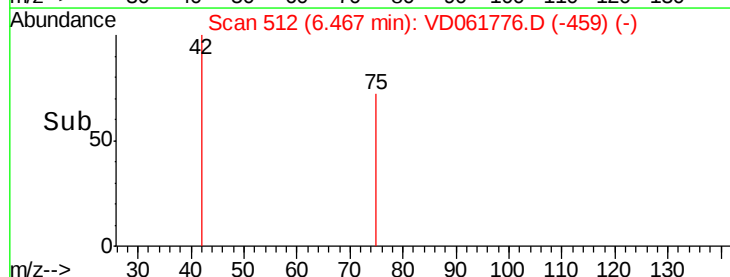
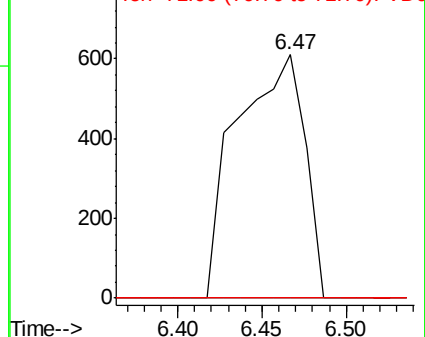
71 0.0 36.5 54.7#

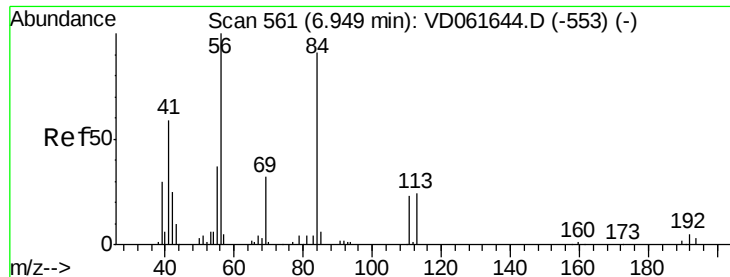


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

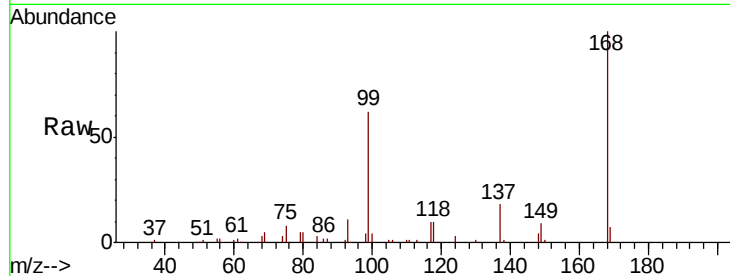




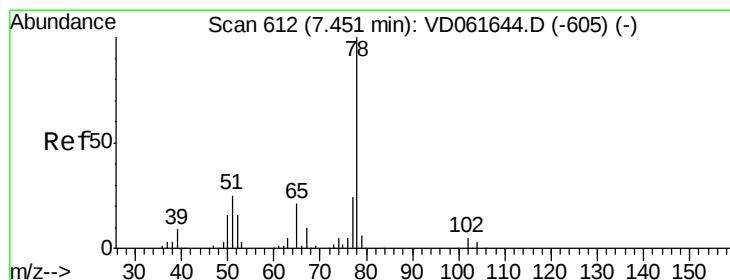
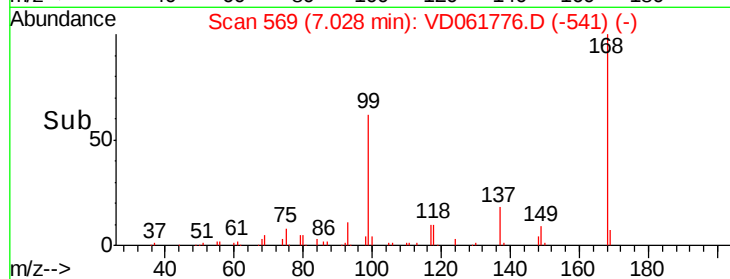
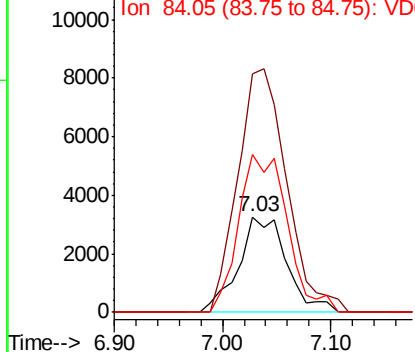
#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD061776.D
Acq: 12 Apr 2019 14:12

Instrument :
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Tgt Ion: 56 Resp: 10083
Ion Ratio Lower Upper
56 100
69 249.5 25.8 38.6#
84 164.4 74.2 111.2#

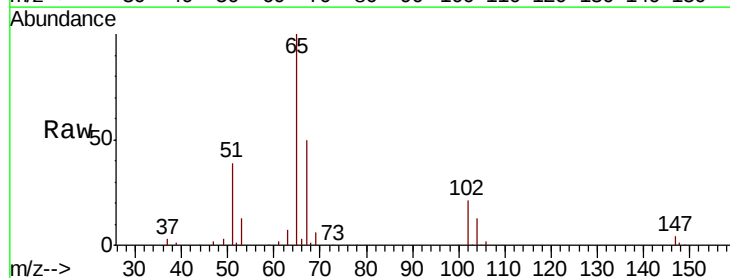


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

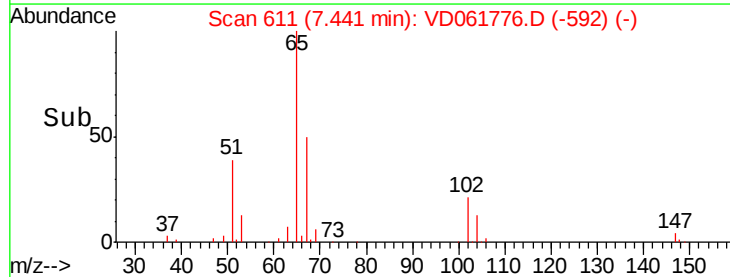
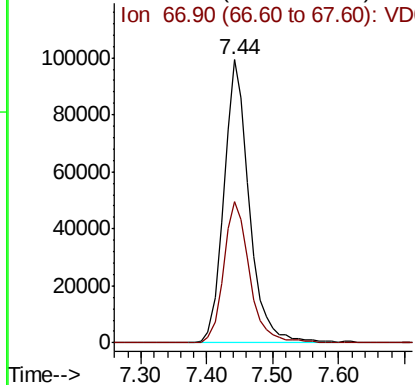


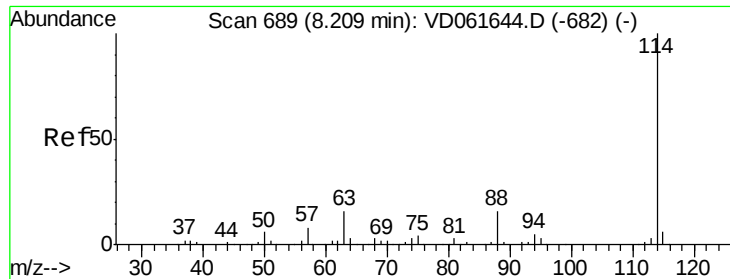
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061776.D
Acq: 12 Apr 2019 14:12

Tgt Ion: 65 Resp: 266310
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

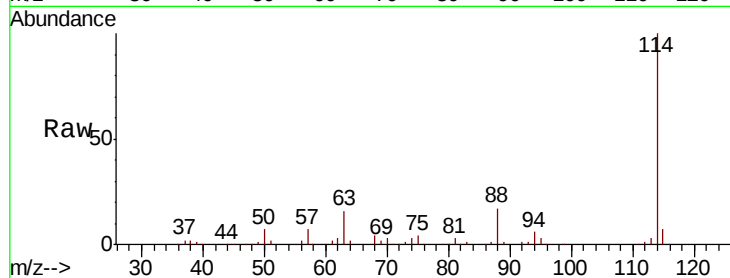




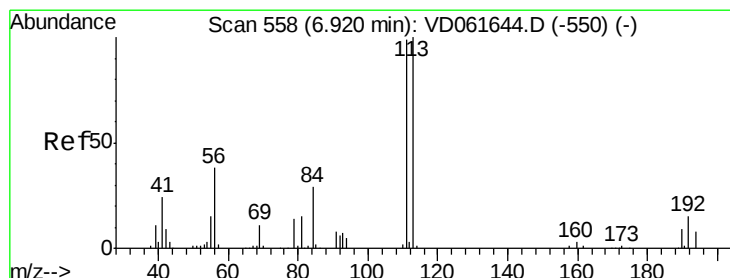
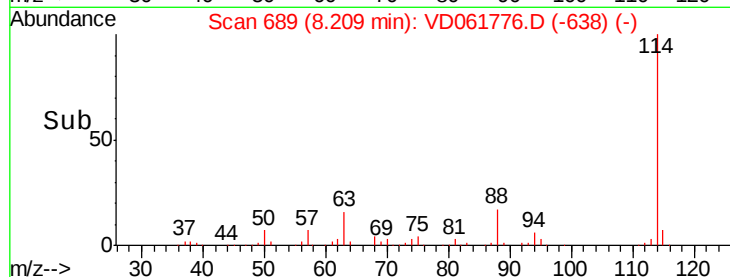
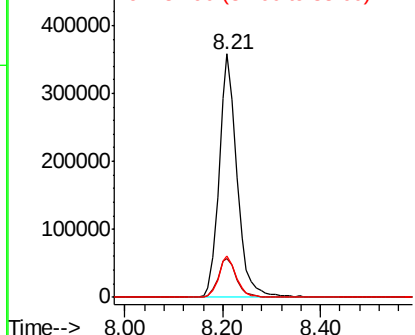
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Instrument :
 MSVOA_D
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 VNJ-229RE

Tgt Ion:114 Resp: 915041
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.2
 88 17.0 0.0 31.8

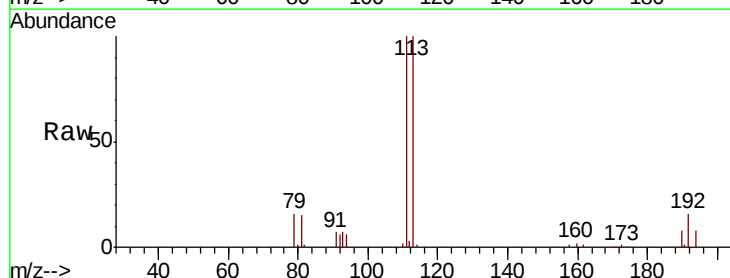


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

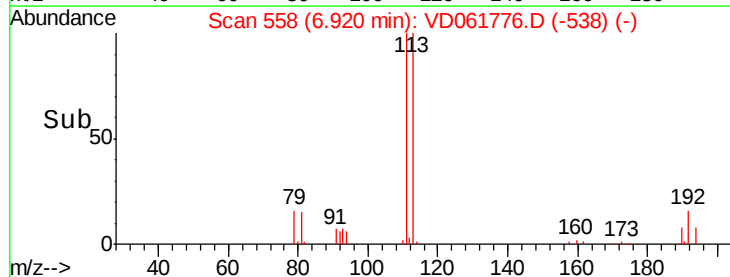
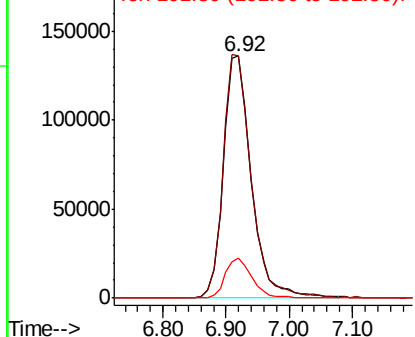


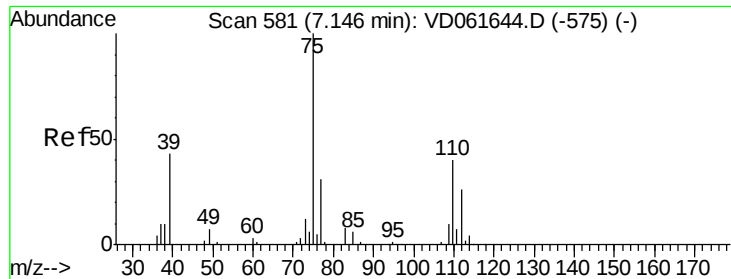
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Tgt Ion:113 Resp: 417233
 Ion Ratio Lower Upper
 113 100
 111 100.1 79.3 118.9
 192 16.3 12.3 18.5



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

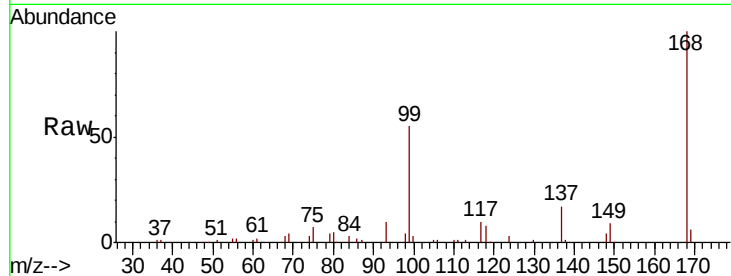




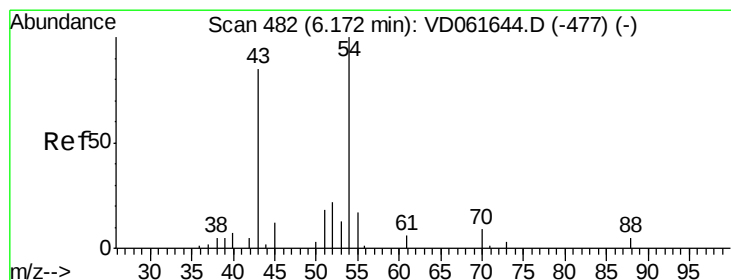
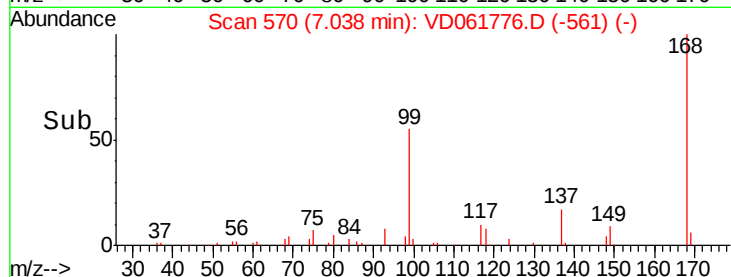
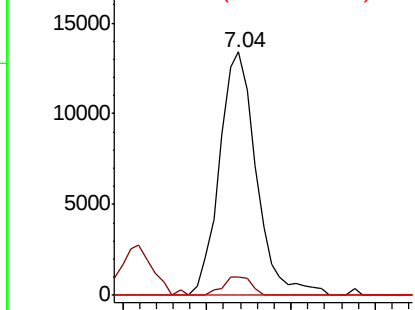
#36
 1,1-Dichloropropene
 Concen: 5.092 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Instrument :
 MSVOA_D
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 VNJ-229RE

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.7	59.0#
77	0.0	24.8	37.2#

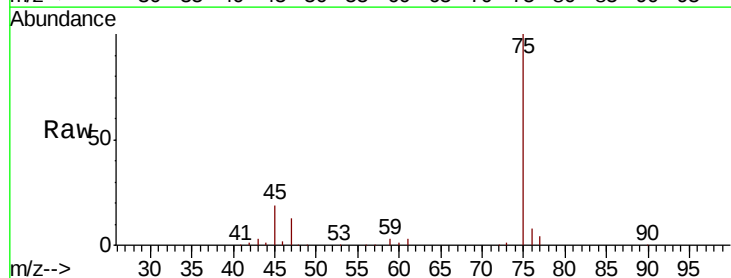


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

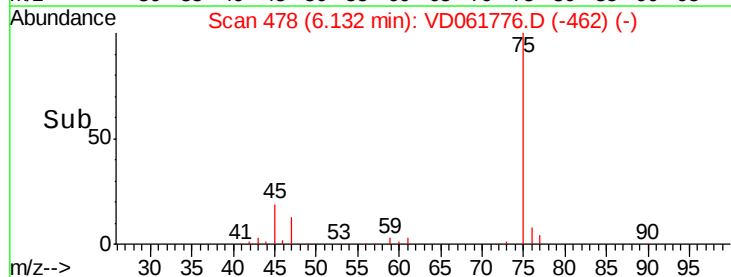
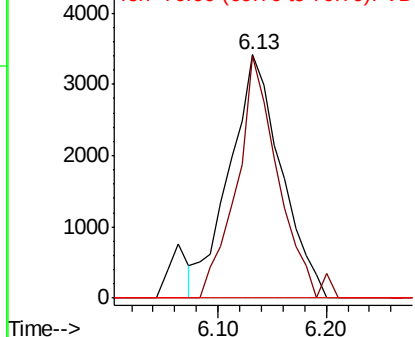


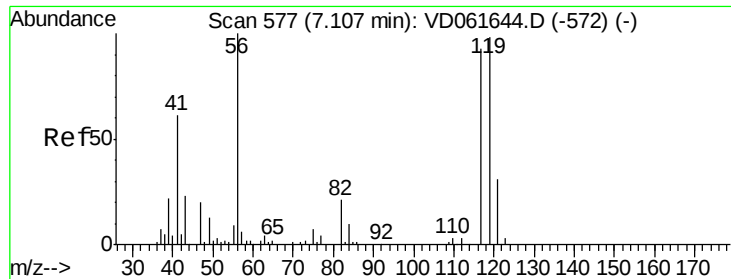
#37
 Ethyl Acetate
 Concen: 3.442 ug/l
 RT: 6.13 min Scan# 478
 Delta R.T. -0.04 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
61	99.6	11.9	17.9#
70	0.0	6.9	10.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

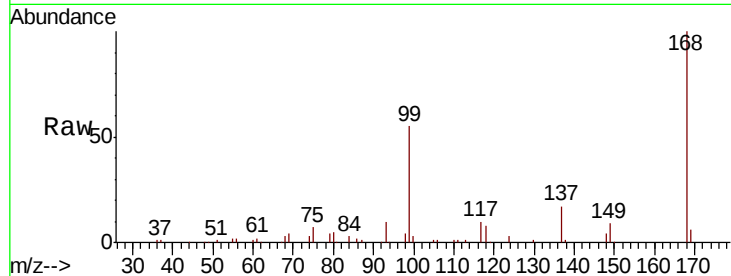




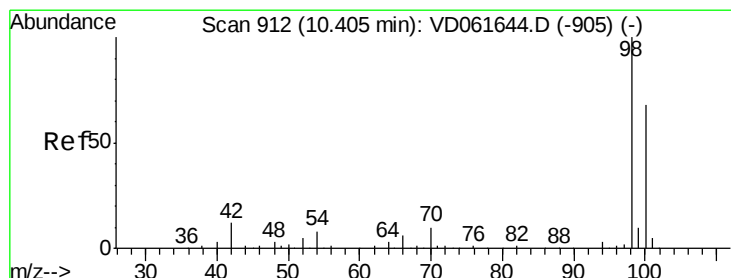
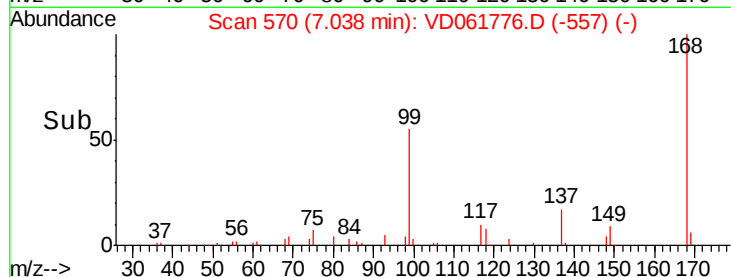
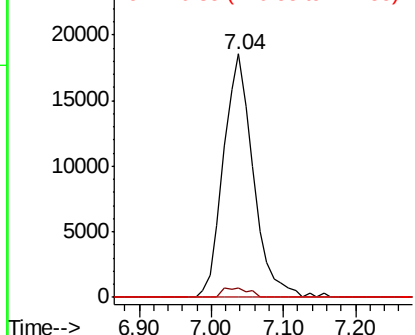
#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061776.D
Acq: 12 Apr 2019 14:12

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229RE

Tgt Ion:117 Resp: 53268
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.7 37.1#

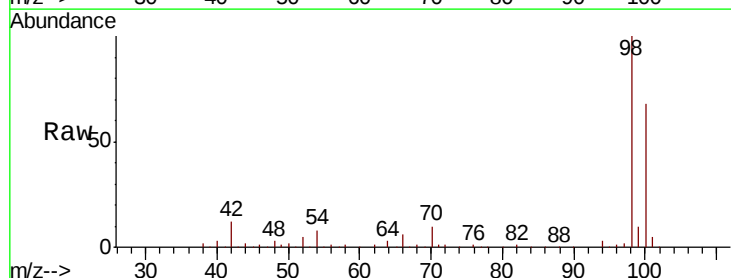


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

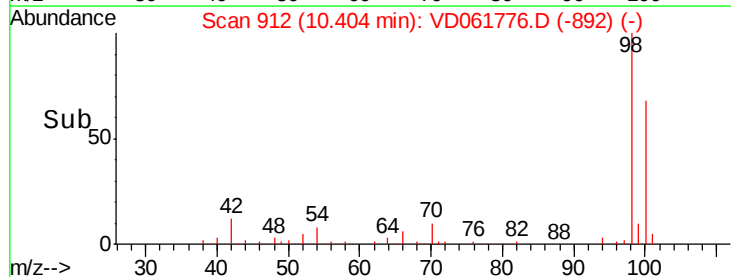
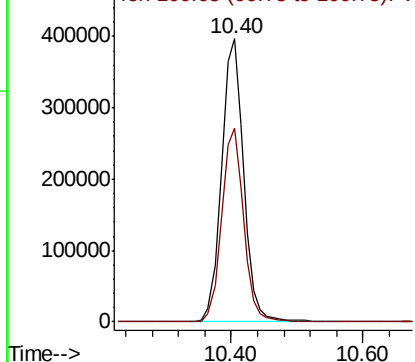


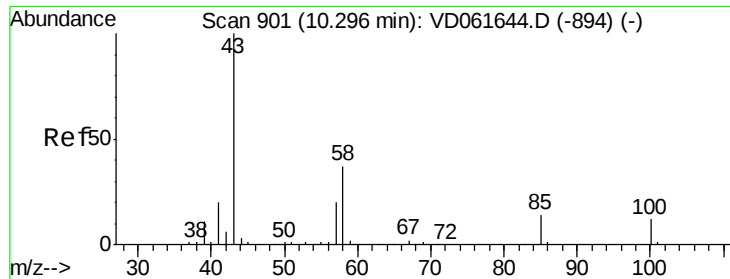
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061776.D
Acq: 12 Apr 2019 14:12

Tgt Ion: 98 Resp: 929030
Ion Ratio Lower Upper
98 100
100 68.3 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD

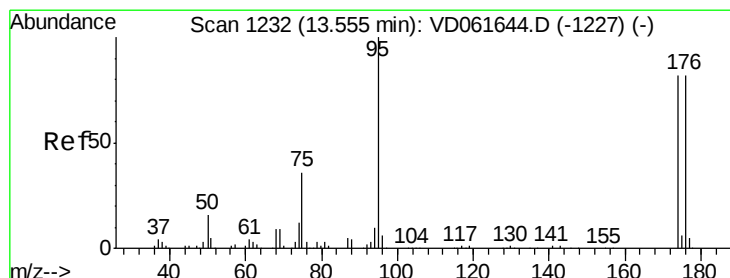
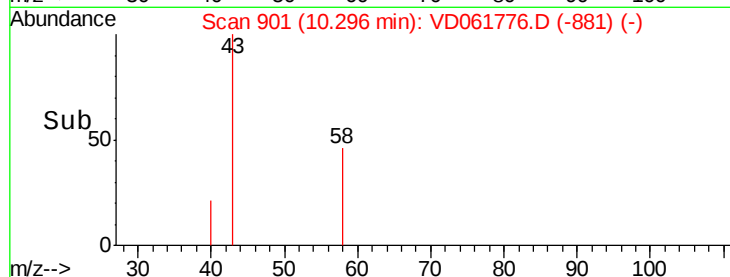
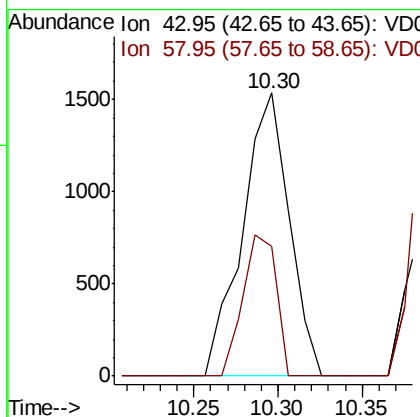
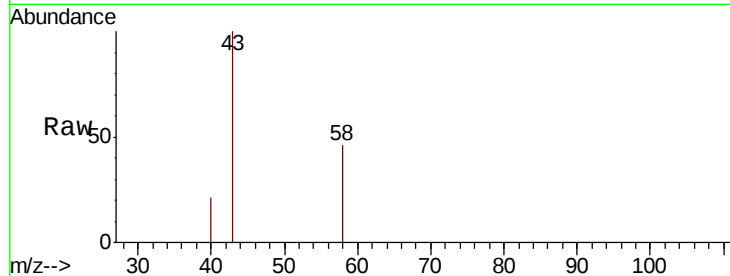




#51
 4-Methyl-2-Pentanone
 Concen: 1.055 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

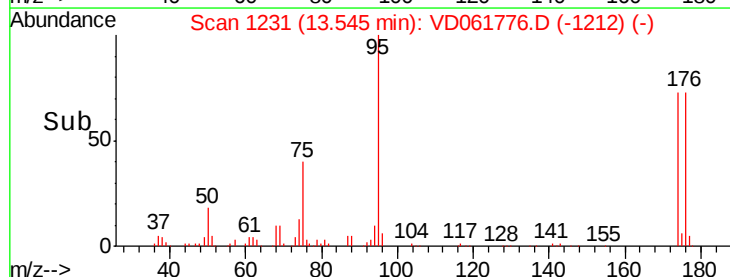
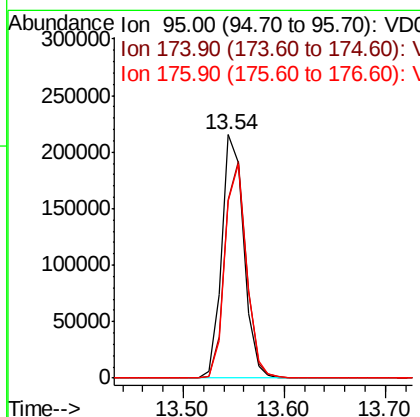
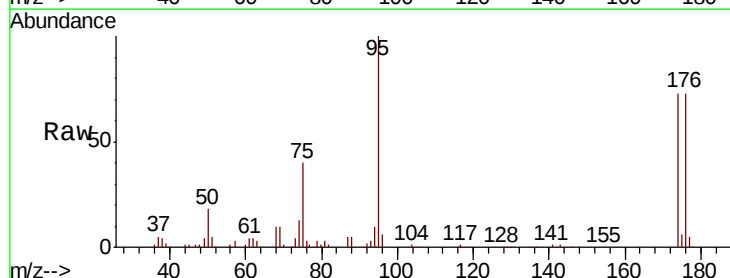
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229RE

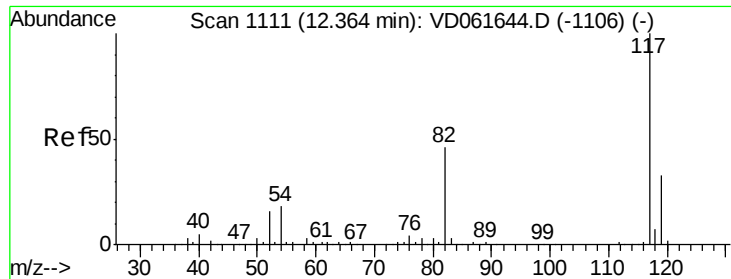
Tgt Ion: 43 Resp: 2955
 Ion Ratio Lower Upper
 43 100
 58 46.0 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061776.D
 Acq: 12 Apr 2019 14:12

Tgt Ion: 95 Resp: 330562
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 164.6
 176 72.7 0.0 165.0

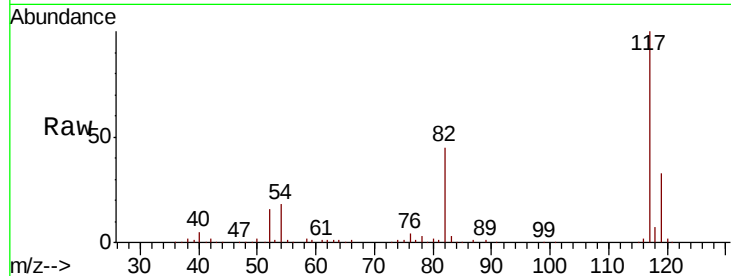




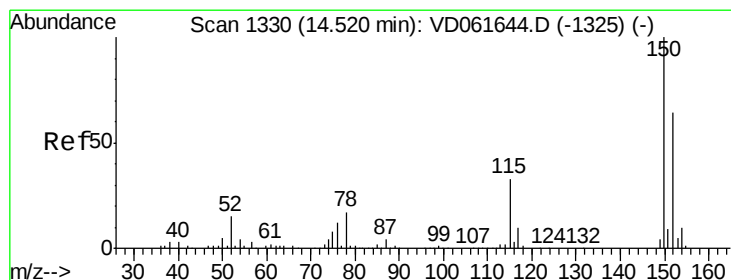
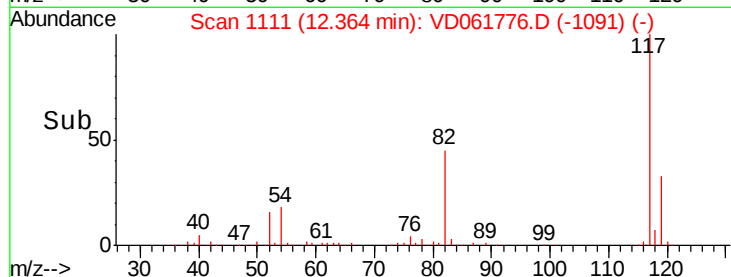
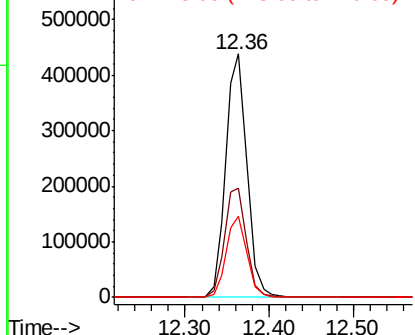
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061776.D
Acq: 12 Apr 2019 14:12

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229RE

Tgt Ion:117 Resp: 764225
Ion Ratio Lower Upper
117 100
82 44.7 36.8 55.2
119 33.2 26.1 39.1

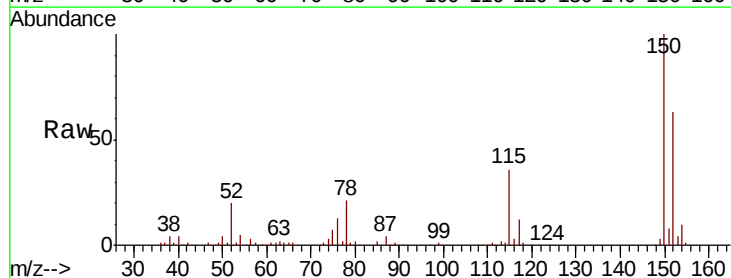


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

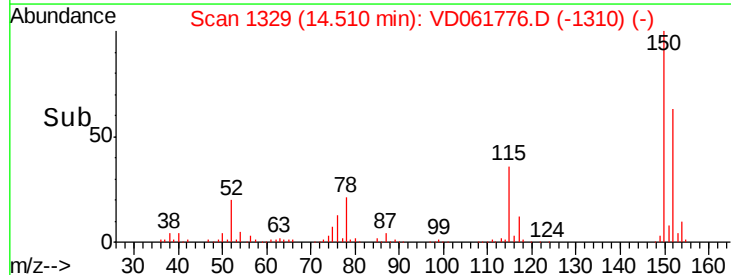
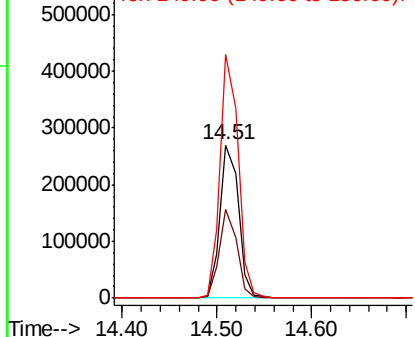


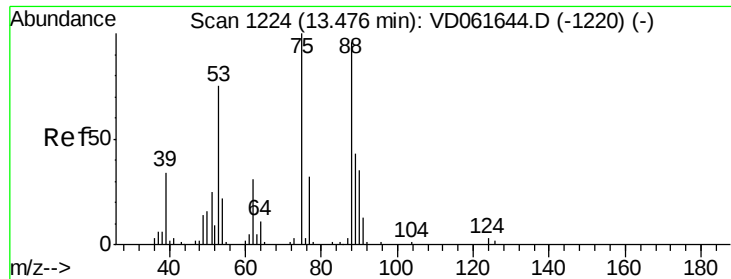
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061776.D
Acq: 12 Apr 2019 14:12

Tgt Ion:152 Resp: 366786
Ion Ratio Lower Upper
152 100
115 58.0 26.4 79.2
150 159.4 0.0 320.6



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: 84.918 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061776.D

Acq: 12 Apr 2019 14:12

Instrument :

MSVOA_D

ClientSampleId :

VNJ-229RE

Tgt Ion: 75 Resp: 128589

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#

