

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060564.D
 Acq On : 13 Dec 2018 16:42
 Operator : VA/AP
 Sample : J6373-01
 Misc : 5.51g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-A-FRAME

Quant Time: Dec 14 01:06:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

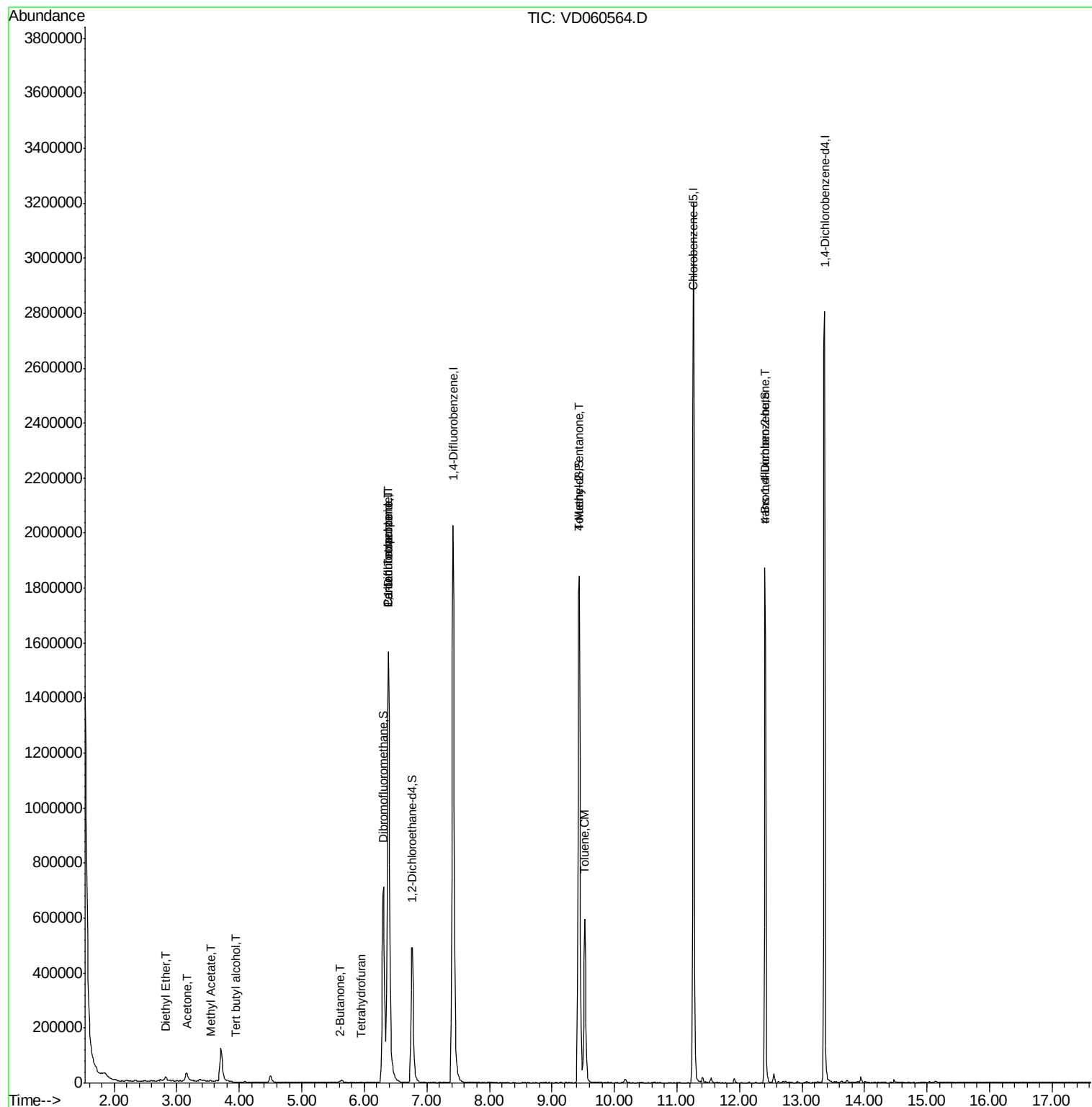
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1580185	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	2193799	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1690066	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	723387	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	414253	36.99	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	73.98%	
35) Dibromofluoromethane	6.31	113	593784	36.85	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.70%	
50) Toluene-d8	9.44	98	1555114	33.35	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	66.70%	
62) 4-Bromofluorobenzene	12.41	95	552030	33.08	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	66.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.60	85	440	Below Cal	#	41
8) Diethyl Ether	2.82	74	4960	1.919	ug/l	52
11) Tert butyl alcohol	3.95	59	1226	2.694	ug/l #	73
16) Acetone	3.16	43	70282	39.147	ug/l	97
18) Methyl Acetate	3.54	43	4750	1.113	ug/l #	64
25) 2-Butanone	5.61	43	6545	1.853	ug/l #	90
29) Tetrahydrofuran	5.96	42	2483	1.241	ug/l #	40
31) Cyclohexane	6.38	56	29795	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	107820	5.028	ug/l #	48
38) Carbon Tetrachloride	6.38	117	125011	6.494	ug/l #	16
51) 4-Methyl-2-Pentanone	9.44	43	8549	1.197	ug/l #	1
52) Toluene	9.52	92	296076	8.644	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.41	75	226062	98.889	ug/l #	14
89) n-Butylbenzene	13.64	91	1513	Below Cal	#	59

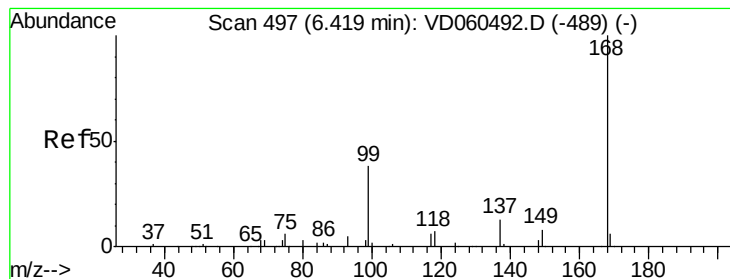
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

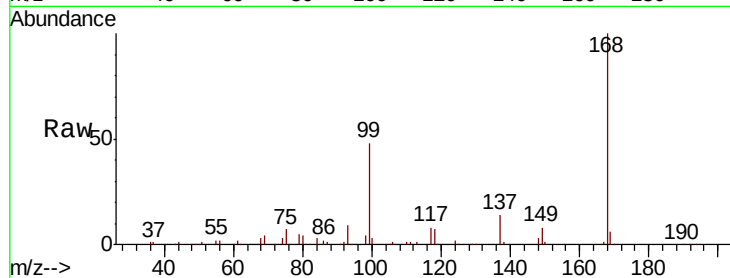
TP-A-FRAME

Tgt Ion:168 Resp: 1580185

Ion Ratio Lower Upper

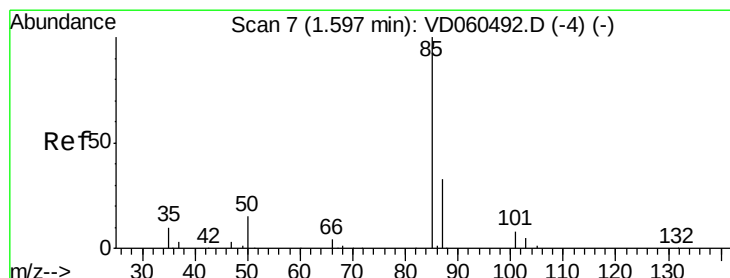
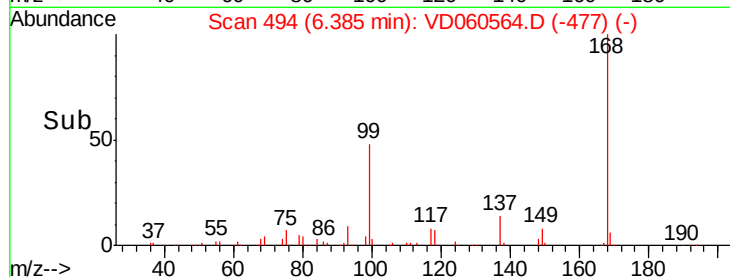
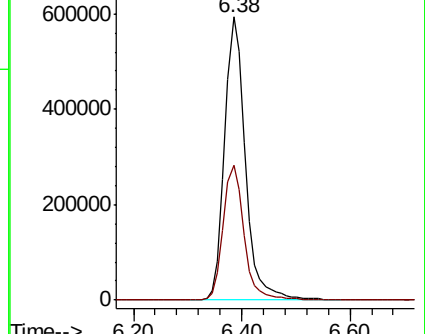
168 100

99 47.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060564.D

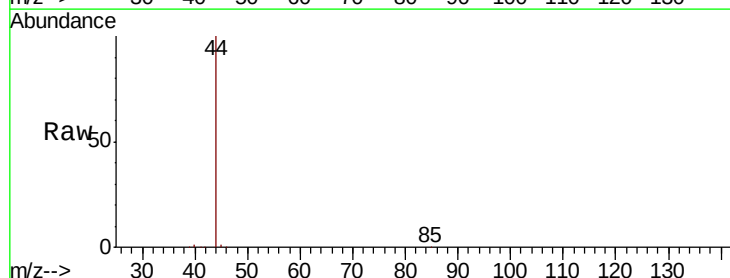
Acq: 13 Dec 2018 16:42

Tgt Ion: 85 Resp: 440

Ion Ratio Lower Upper

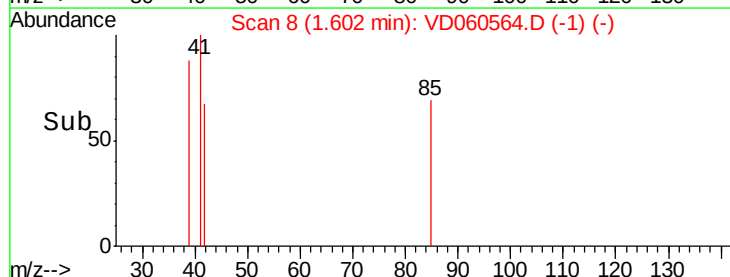
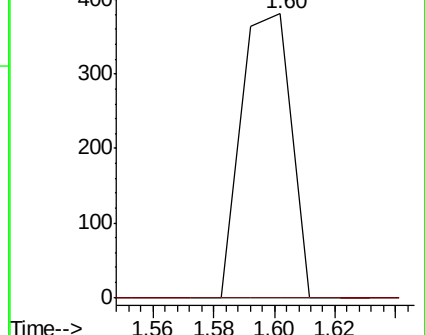
85 100

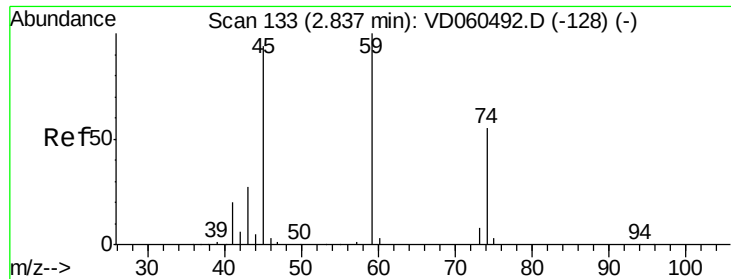
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 1.919 ug/l

RT: 2.82 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

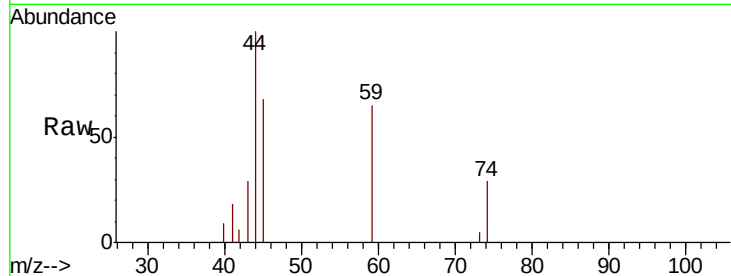
TP-A-FRAME

Tgt Ion: 74 Resp: 4960

Ion Ratio Lower Upper

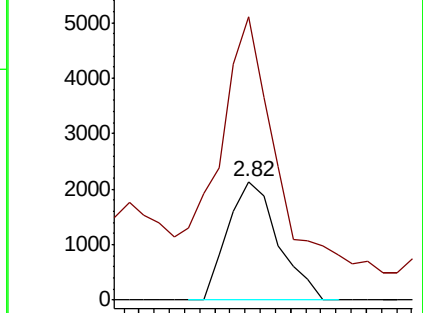
74 100

45 238.4 86.0 258.0

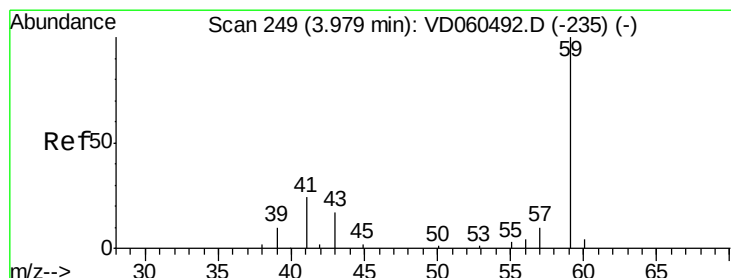
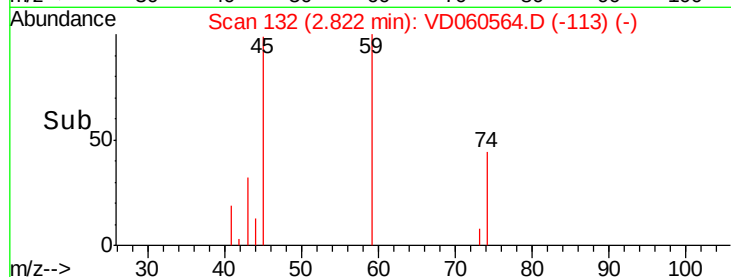


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->



#11

Tert butyl alcohol

Concen: 2.694 ug/l

RT: 3.95 min Scan# 247

Delta R.T. -0.02 min

Lab File: VD060564.D

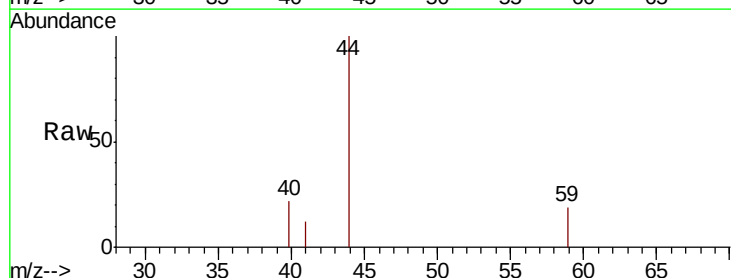
Acq: 13 Dec 2018 16:42

Tgt Ion: 59 Resp: 1226

Ion Ratio Lower Upper

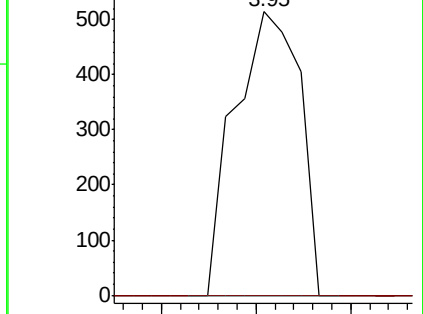
59 100

57 0.0 8.1 12.1#

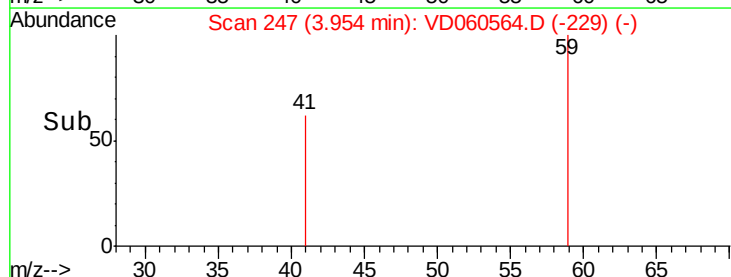


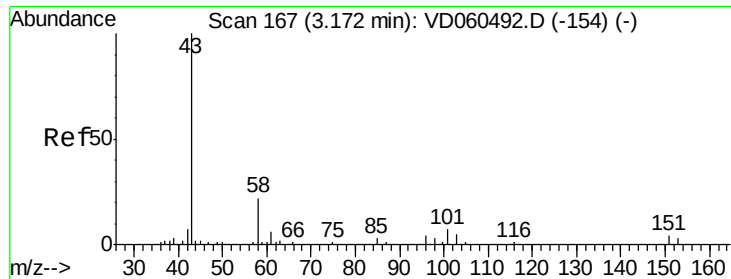
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time-->

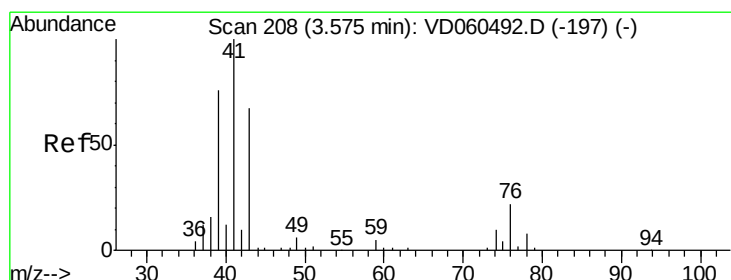
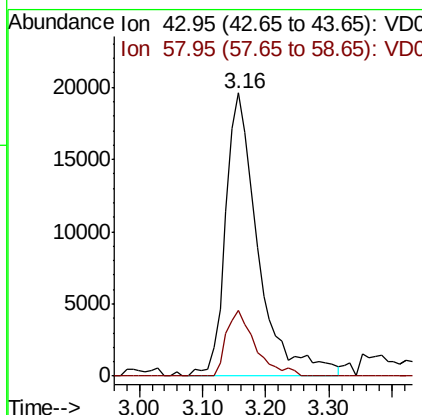
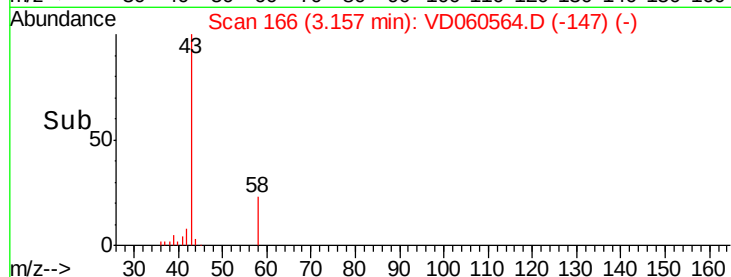
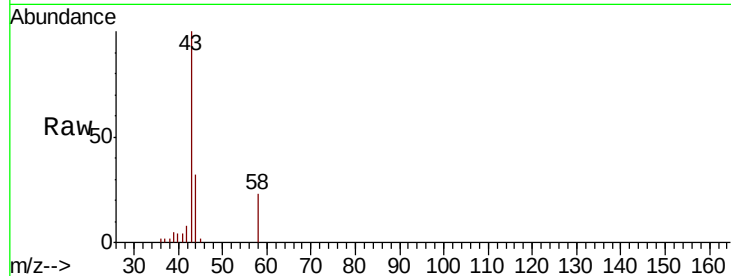




#16
Acetone
Concen: 39.147 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

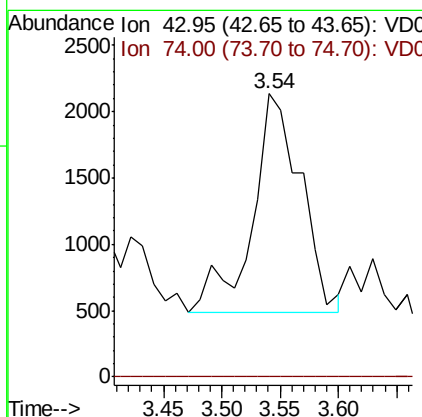
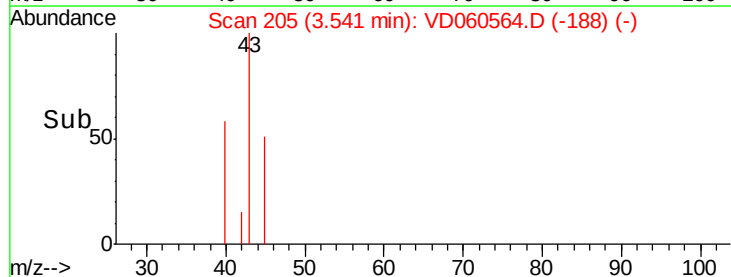
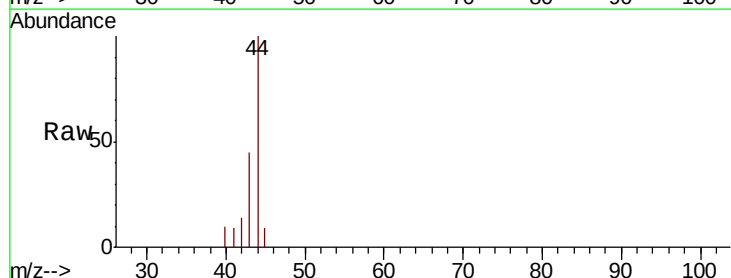
Instrument :
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TP-A-FRAME

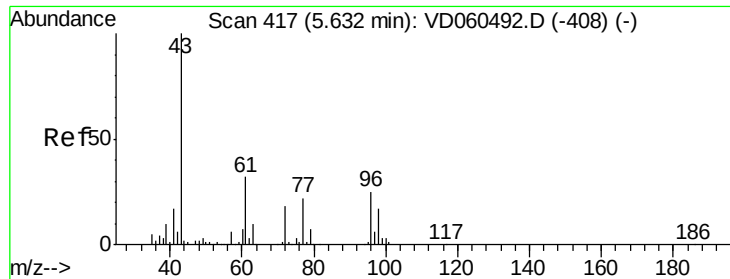
Tgt Ion: 43 Resp: 70282
Ion Ratio Lower Upper
43 100
58 23.2 17.3 25.9



#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.03 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Tgt Ion: 43 Resp: 4750
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#





#25

2-Butanone

Concen: 1.853 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

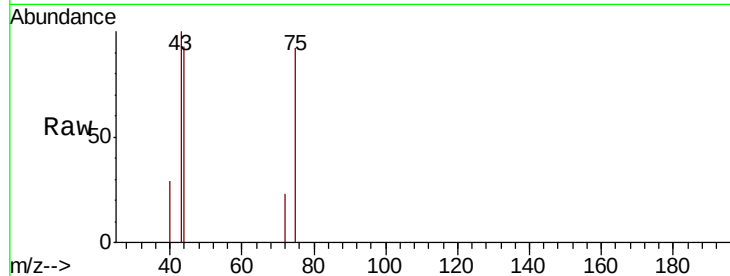
TP-A-FRAME

Tgt Ion: 43 Resp: 6545

Ion Ratio Lower Upper

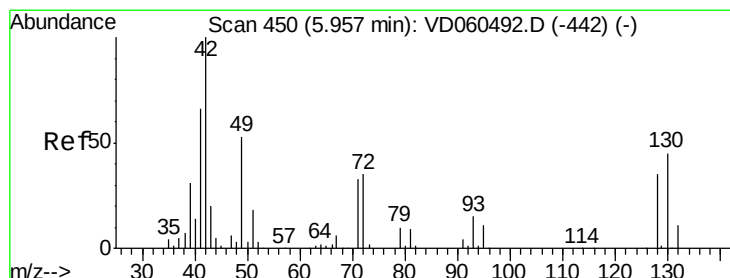
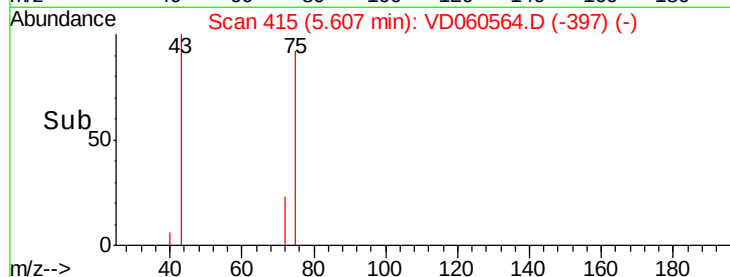
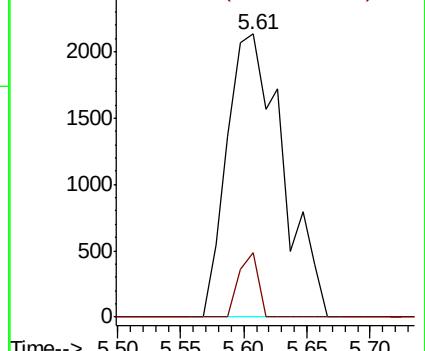
43 100

72 22.6 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.241 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

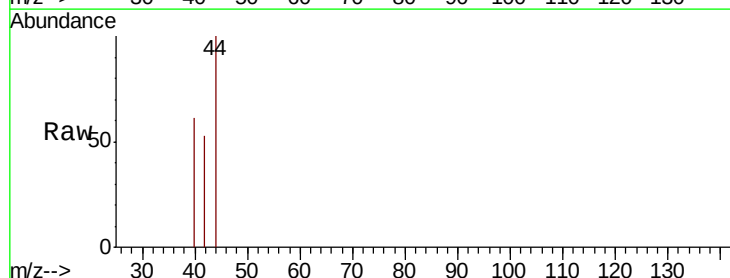
Tgt Ion: 42 Resp: 2483

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

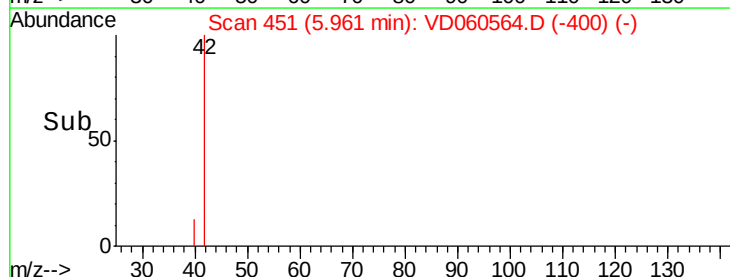
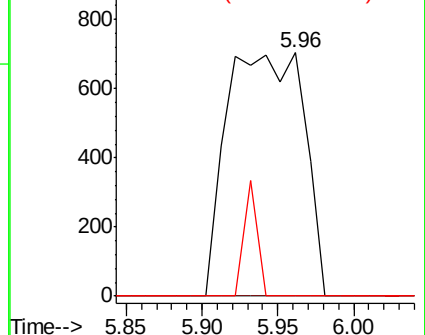
71 0.0 27.2 40.8#

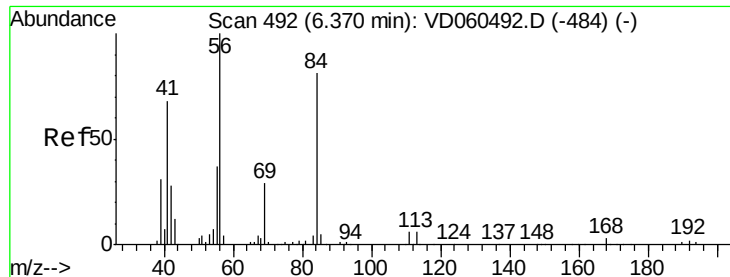


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

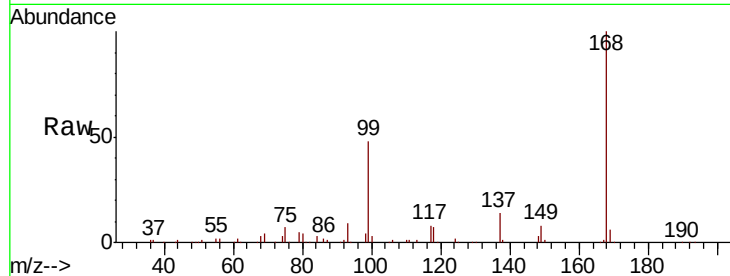




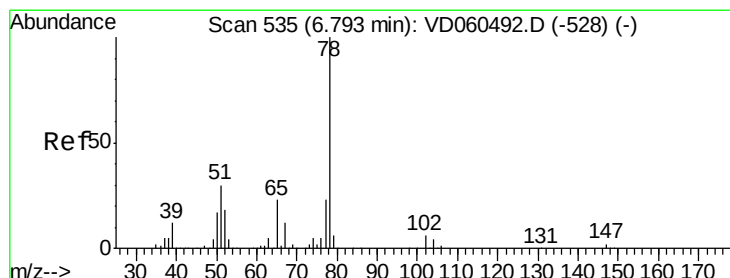
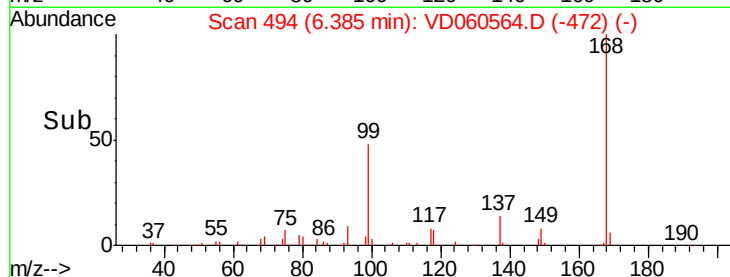
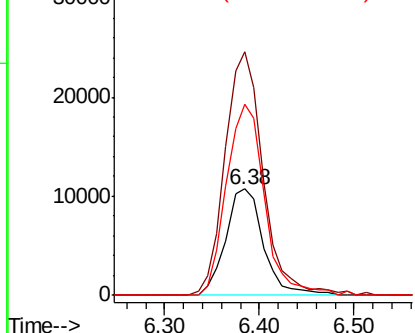
#31
Cyclohexane
Concen: Below Cal
RT: 6.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
TP-A-FRAME

Tgt Ion: 56 Resp: 29795
Ion Ratio Lower Upper
56 100
69 228.8 22.8 34.2#
84 179.8 65.1 97.7#

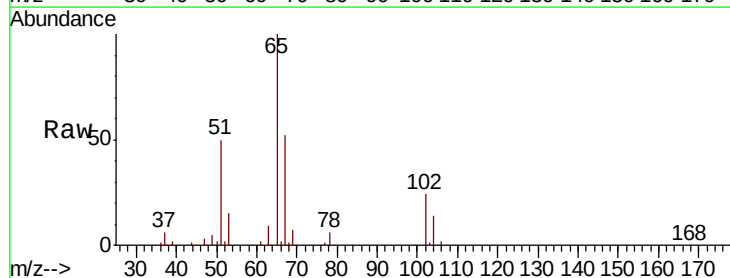


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

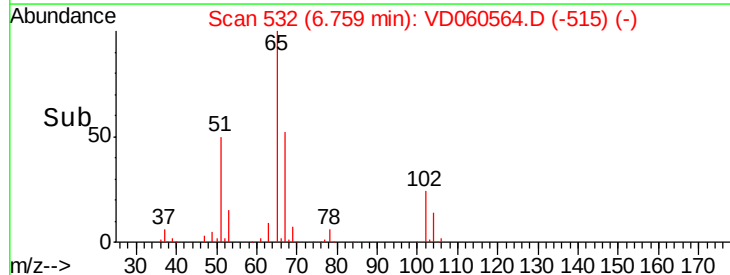
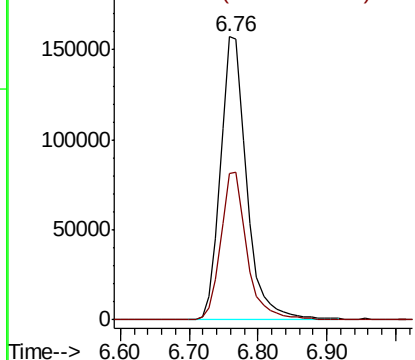


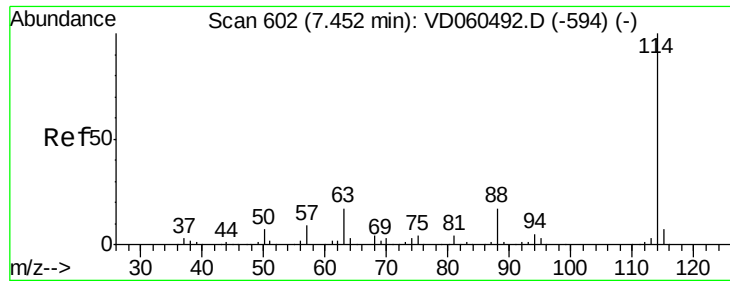
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Tgt Ion: 65 Resp: 414253
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.8



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

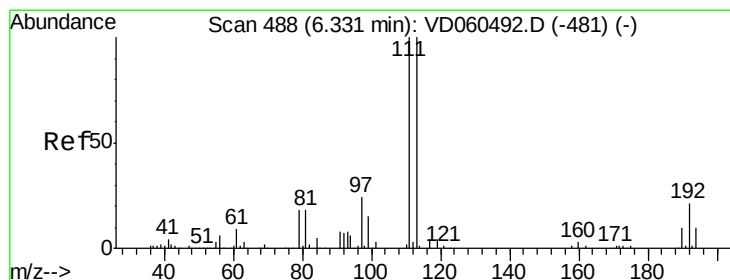
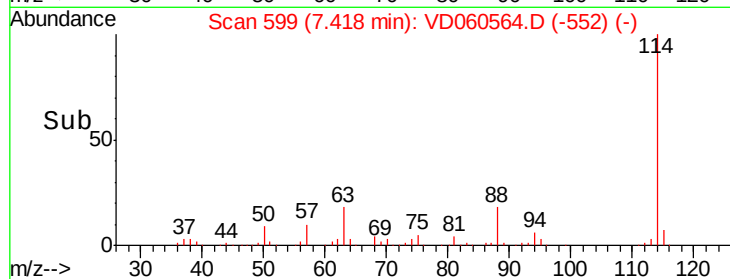
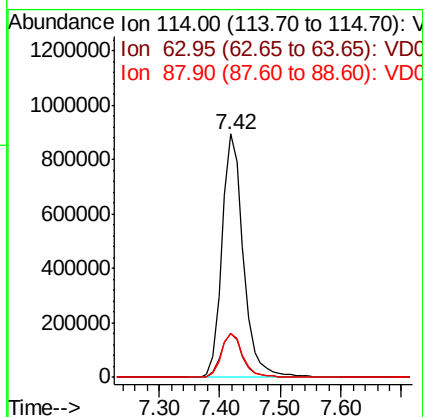
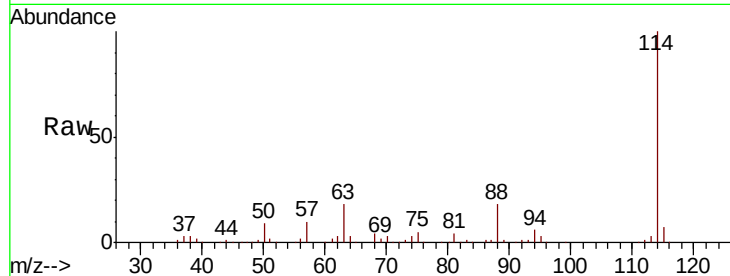




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: VD060564.D
 Acq: 13 Dec 2018 16:42

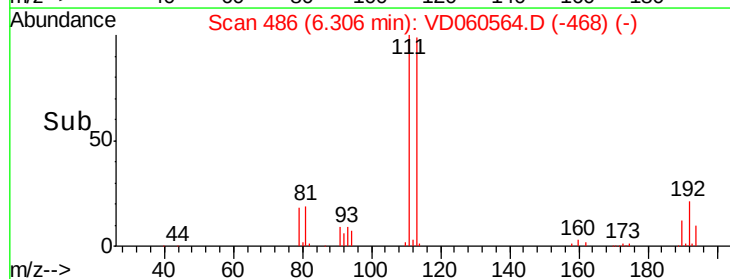
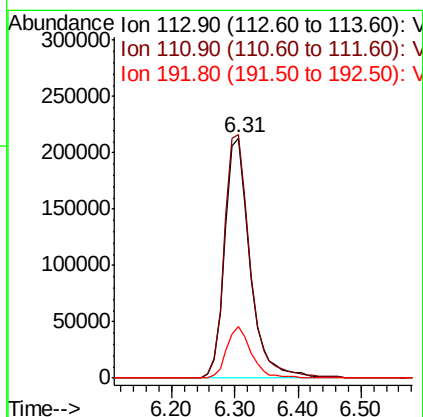
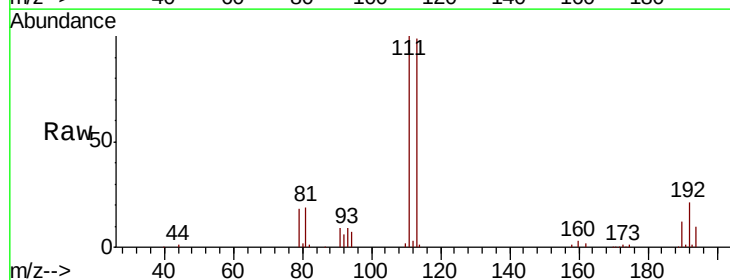
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-A-FRAME

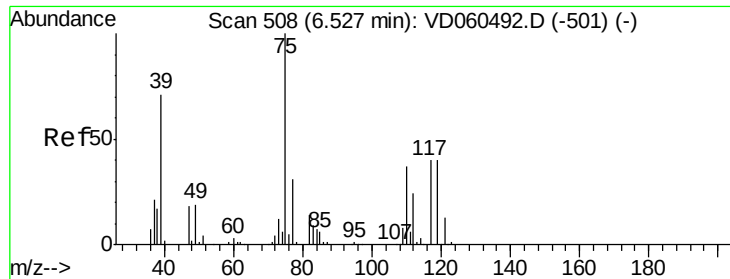
Tgt Ion:114 Resp: 2193799
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.2
 88 17.8 0.0 35.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060564.D
 Acq: 13 Dec 2018 16:42

Tgt Ion:113 Resp: 593784
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.2 120.4
 192 21.6 16.6 24.8

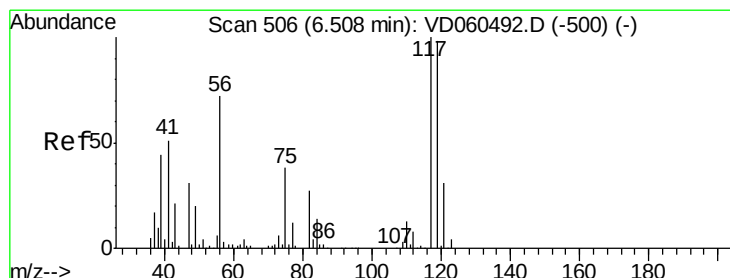
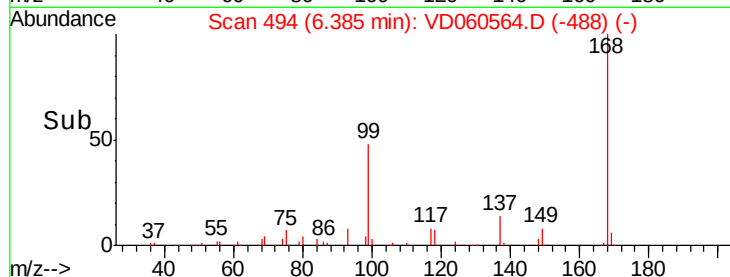
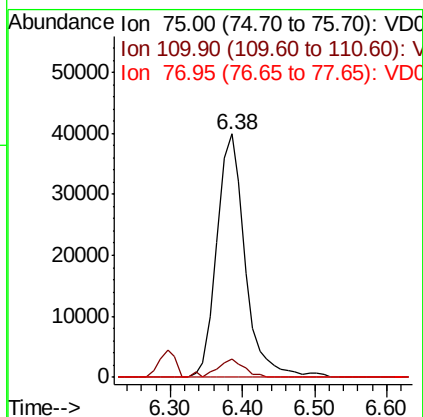
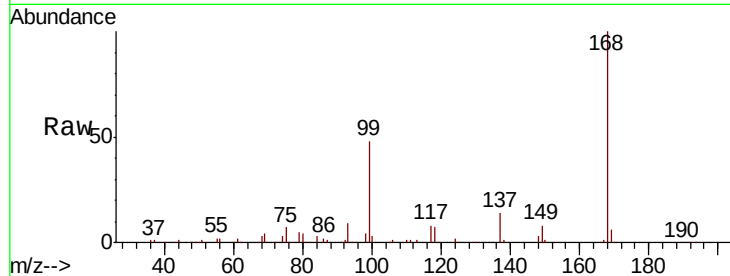




#36
 1,1-Dichloropropene
 Concen: 5.028 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060564.D
 Acq: 13 Dec 2018 16:42

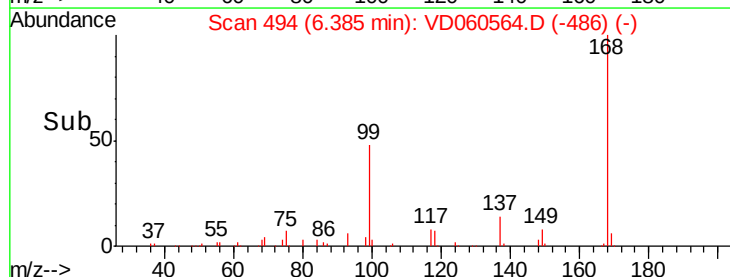
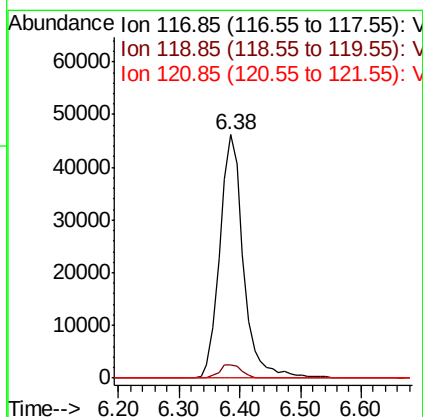
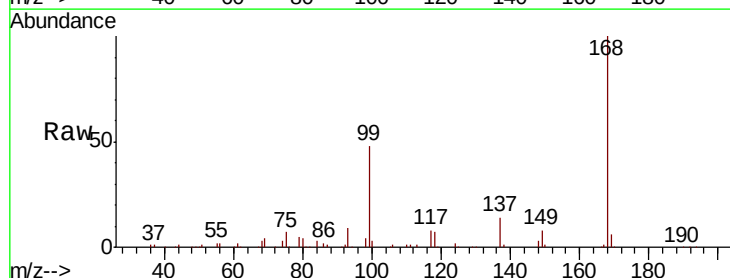
Instrument :
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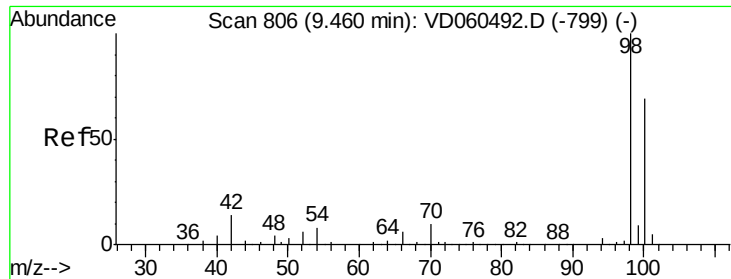
Tgt Ion: 75 Resp: 107820
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.3 54.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.494 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.12 min
 Lab File: VD060564.D
 Acq: 13 Dec 2018 16:42

Tgt Ion: 117 Resp: 125011
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.8 115.2#
 121 0.0 24.4 36.6#

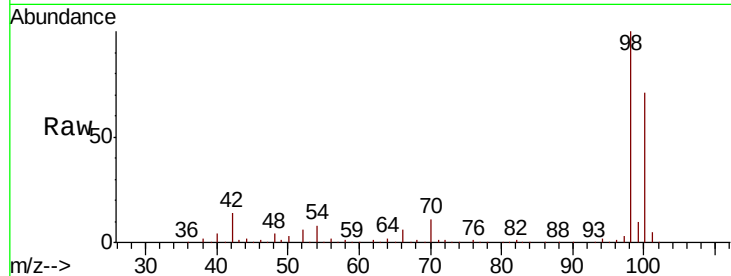




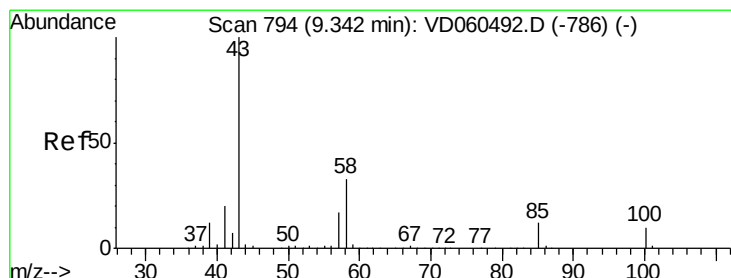
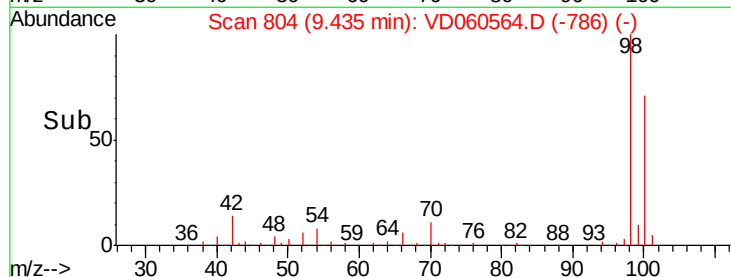
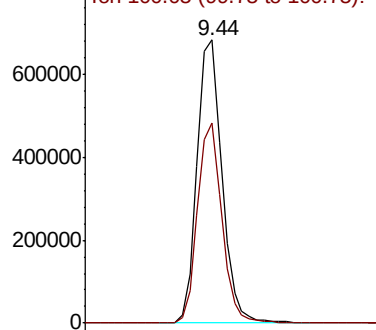
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
TP-A-FRAME

Tgt Ion: 98 Resp: 1555114
Ion Ratio Lower Upper
98 100
100 70.8 55.7 83.5

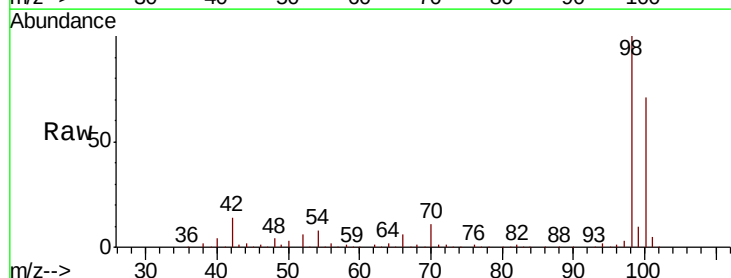


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

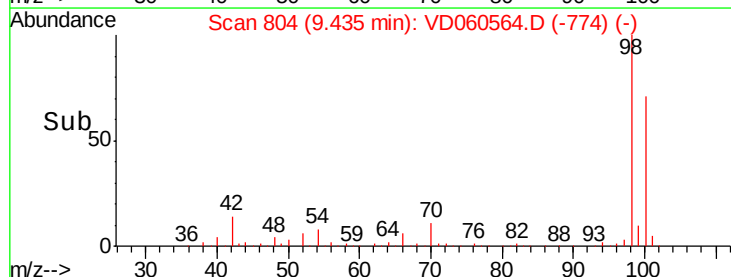
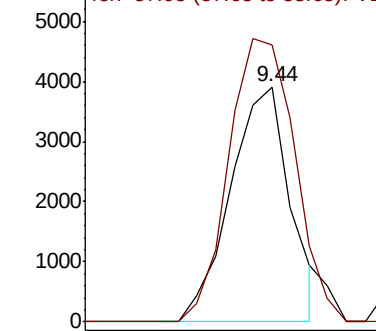


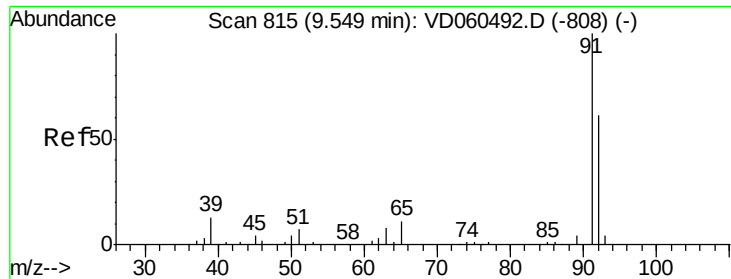
#51
4-Methyl-2-Pentanone
Concen: 1.197 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.09 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Tgt Ion: 43 Resp: 8549
Ion Ratio Lower Upper
43 100
58 117.6 26.3 39.5#



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





#52

Toluene

Concen: 8.644 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

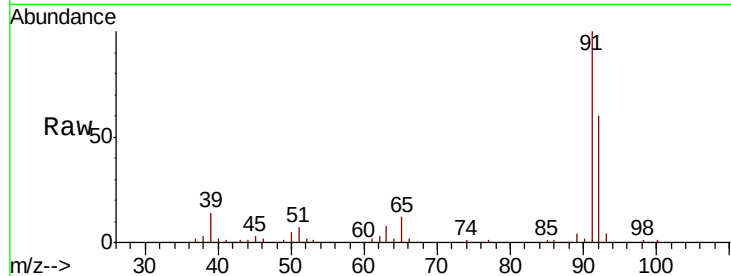
TP-A-FRAME

Tgt Ion: 92 Resp: 296076

Ion Ratio Lower Upper

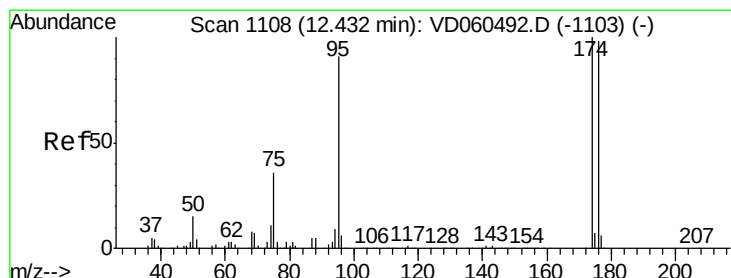
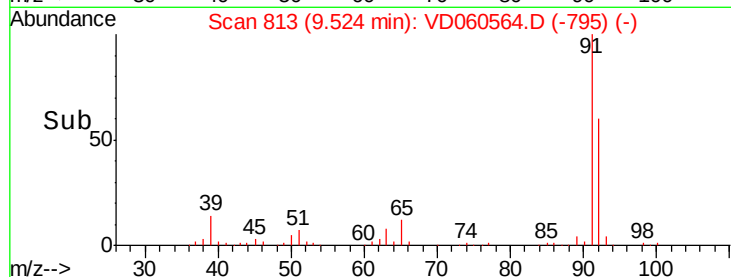
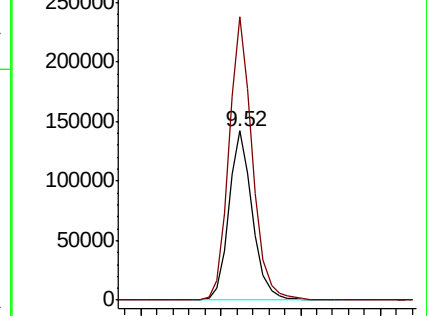
92 100

91 167.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

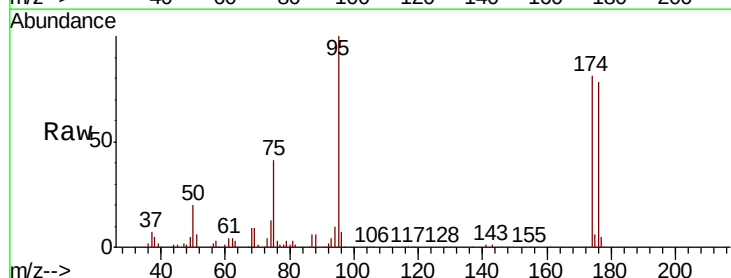
Tgt Ion: 95 Resp: 552030

Ion Ratio Lower Upper

95 100

174 81.3 0.0 219.4

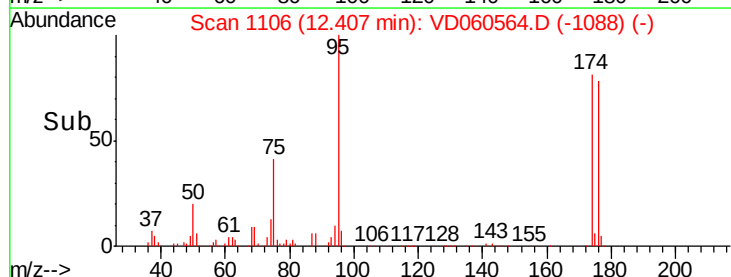
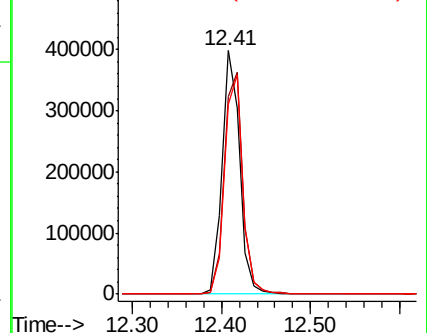
176 77.8 0.0 214.6

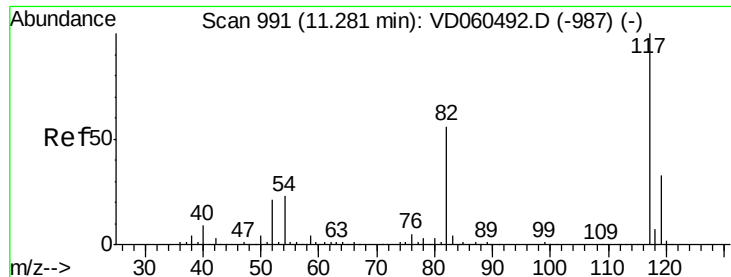


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

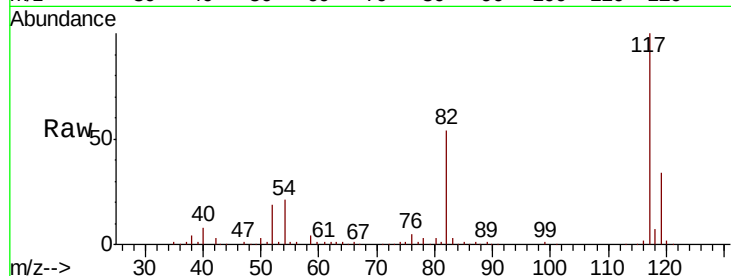




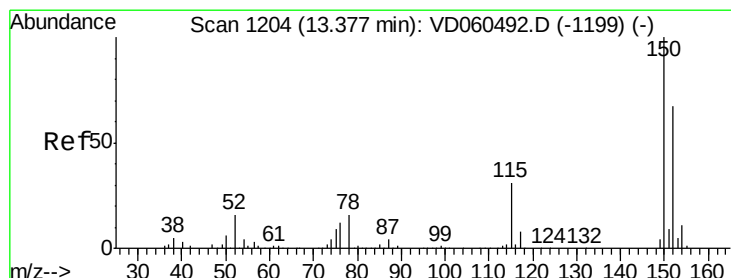
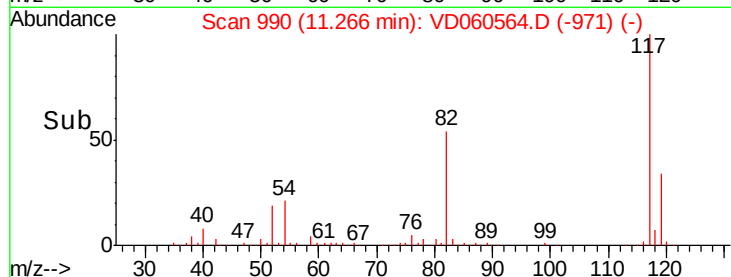
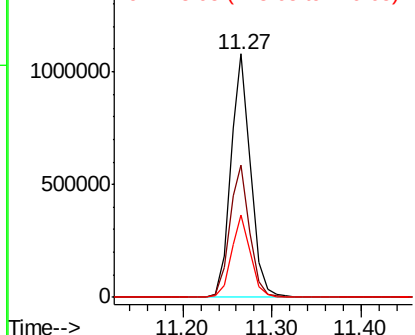
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
TP-A-FRAME

Tgt Ion:117 Resp: 1690066
Ion Ratio Lower Upper
117 100
82 54.5 45.2 67.8
119 33.6 26.1 39.1

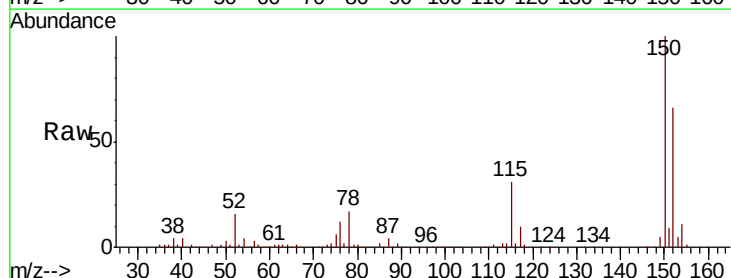


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

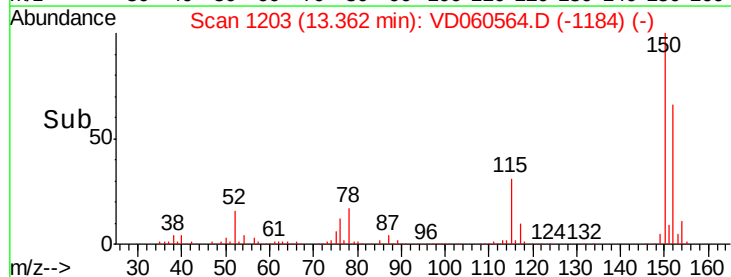
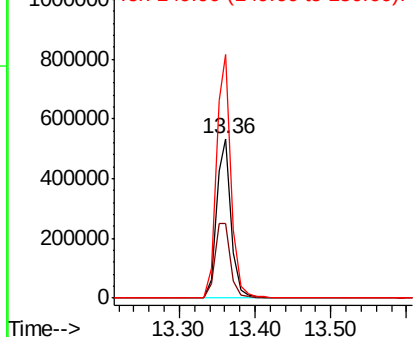


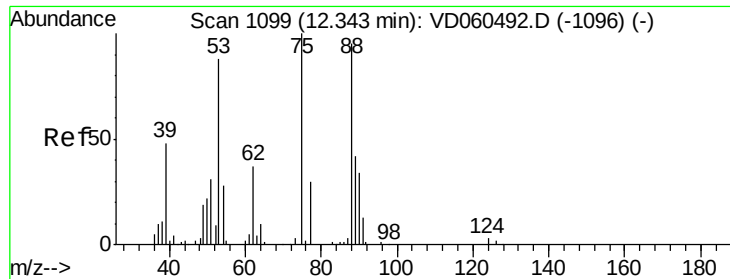
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060564.D
Acq: 13 Dec 2018 16:42

Tgt Ion:152 Resp: 723387
Ion Ratio Lower Upper
152 100
115 46.8 24.6 74.0
150 152.6 0.0 309.0



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: 98.889 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060564.D

Acq: 13 Dec 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

TP-A-FRAME

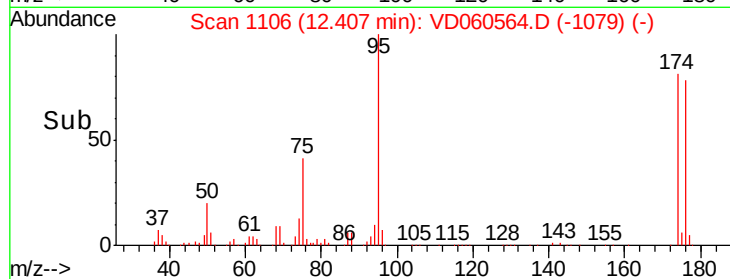
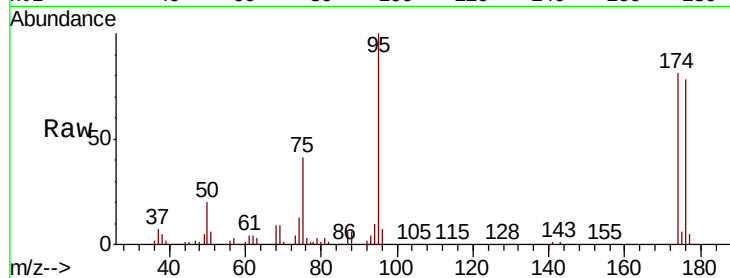
Tgt Ion: 75 Resp: 226062

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

