

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110118\
 Data File : VD060273.D
 Acq On : 1 Nov 2018 20:23
 Operator : VA/AP
 Sample : J5755-03
 Misc : 4.89g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S

Quant Time: Nov 02 02:43:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1290267	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	1795625	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1247602	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	421784	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	448232	45.83	ug/l	0.03
Spiked Amount 50.000			Recovery	=	91.66%	
35) Dibromofluoromethane	6.32	113	571718	41.93	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.86%	
50) Toluene-d8	9.46	98	1432596	36.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	73.68%	
62) 4-Bromofluorobenzene	12.43	95	399843	27.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	54.92%	

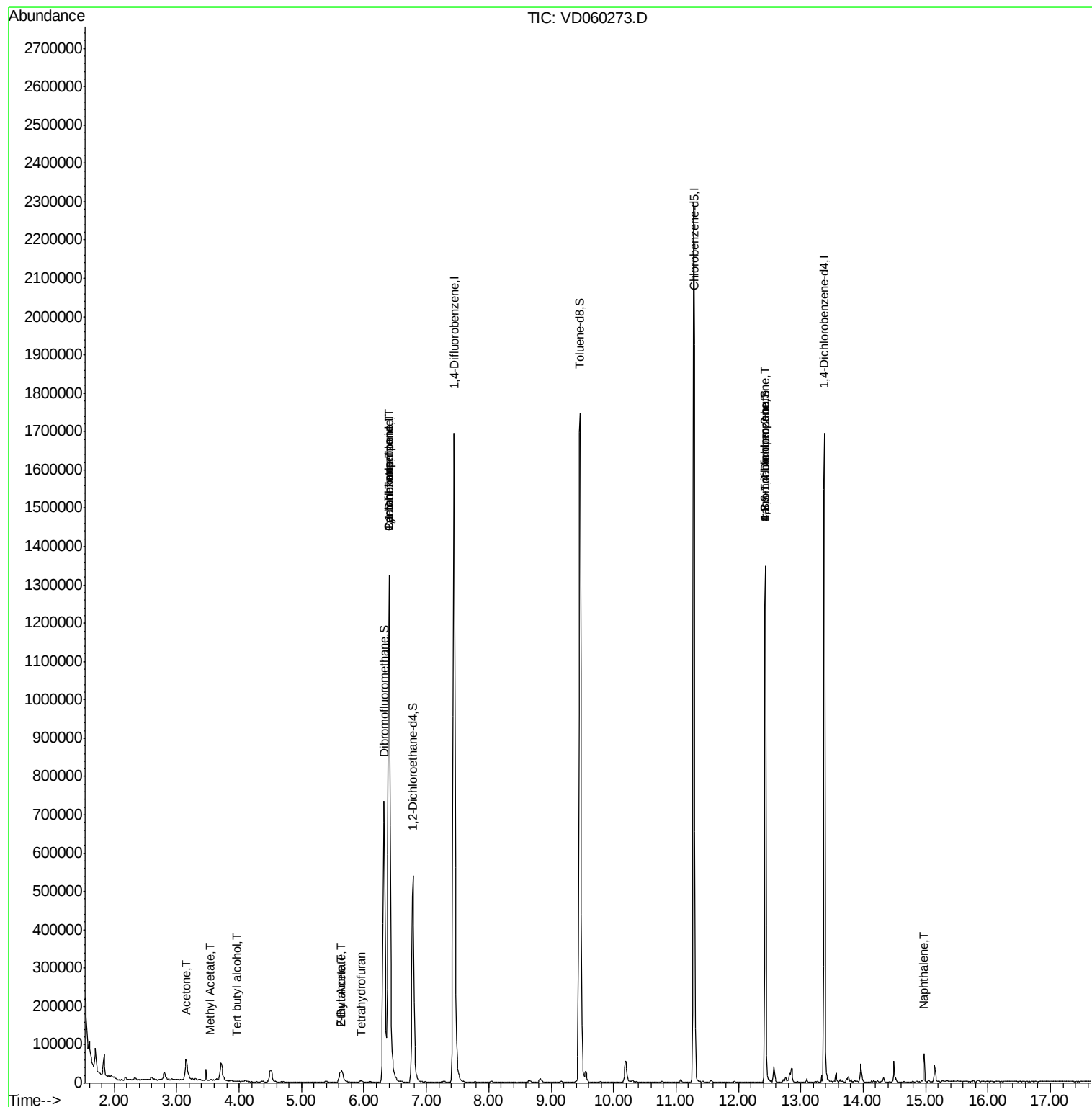
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	1680	2.395	ug/l #	74
16) Acetone	3.15	43	105531	59.464	ug/l	96
18) Methyl Acetate	3.54	43	3948	1.035	ug/l #	63
20) Methylene Chloride	3.71	84	26520	Below Cal	#	90
25) 2-Butanone	5.62	43	44057	9.937	ug/l	100
29) Tetrahydrofuran	5.95	42	3572	1.387	ug/l #	57
31) Cyclohexane	6.40	56	25521	1.204	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	92332	5.381	ug/l #	46
37) Ethyl Acetate	5.62	43	44057	3.868	ug/l #	71
38) Carbon Tetrachloride	6.40	117	100151	6.431	ug/l #	16
76) 1,2,3-Trichloropropane	12.43	75	164975	27.160	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	165933	97.220	ug/l #	13
95) Naphthalene	14.97	128	44805	3.006	ug/l	98

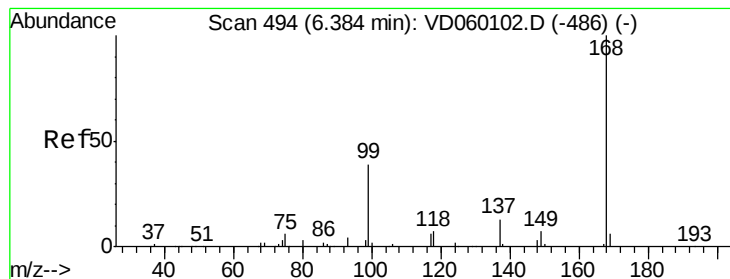
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110118\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060273.D

Acq: 1 Nov 2018 20:23

Instrument :

MSVOA_D

ClientSampleId :

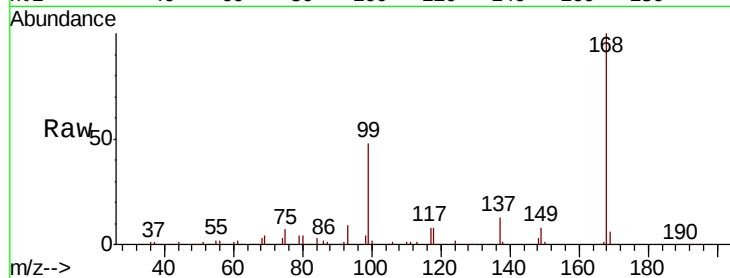
TP-1-S

Tgt Ion:168 Resp: 1290267

Ion Ratio Lower Upper

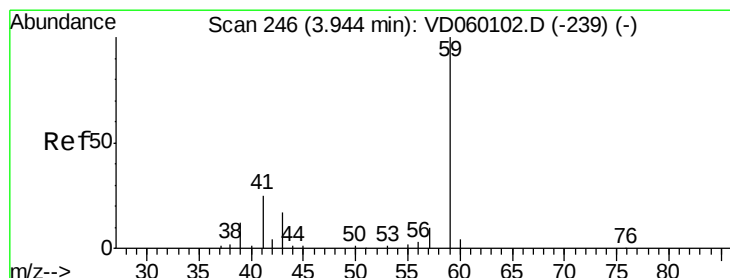
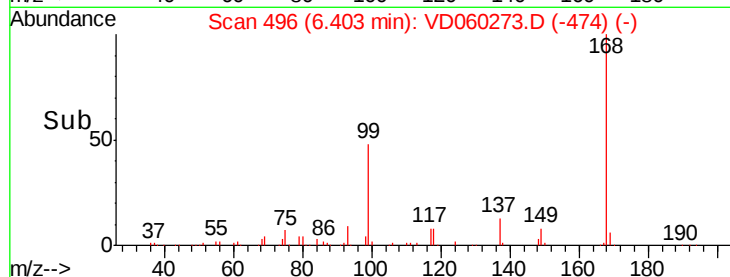
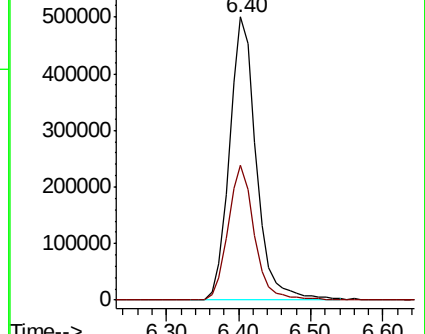
168 100

99 47.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.395 ug/l

RT: 3.96 min Scan# 248

Delta R.T. 0.02 min

Lab File: VD060273.D

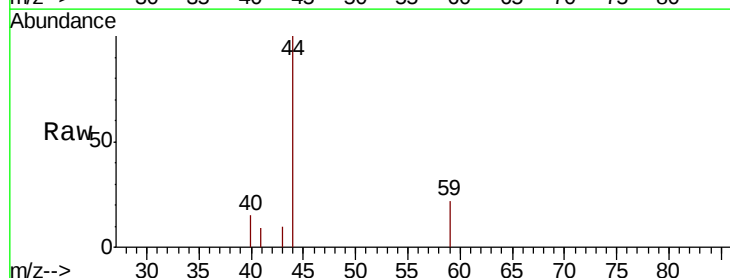
Acq: 1 Nov 2018 20:23

Tgt Ion: 59 Resp: 1680

Ion Ratio Lower Upper

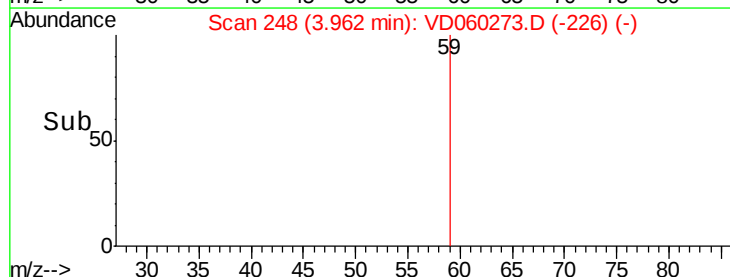
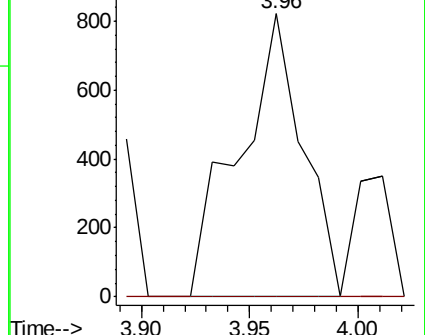
59 100

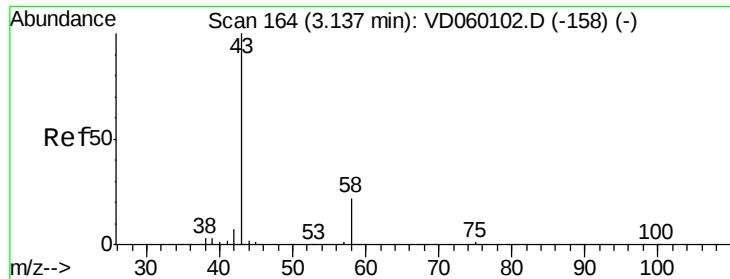
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 59.464 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060273.D

Acq: 1 Nov 2018 20:23

Instrument :

MSVOA_D

ClientSampleId :

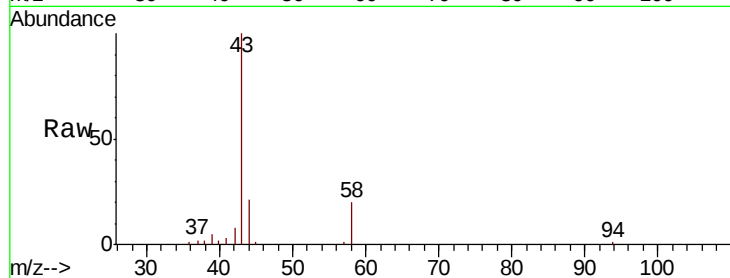
TP-1-S

Tgt Ion: 43 Resp: 105531

Ion Ratio Lower Upper

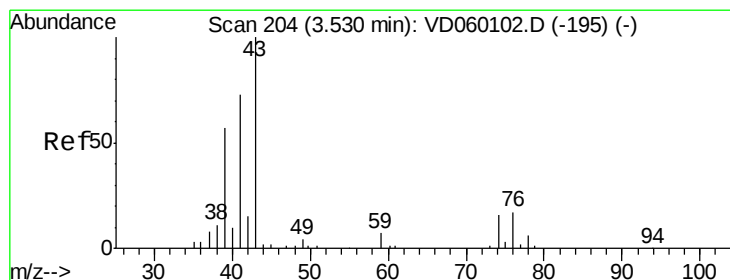
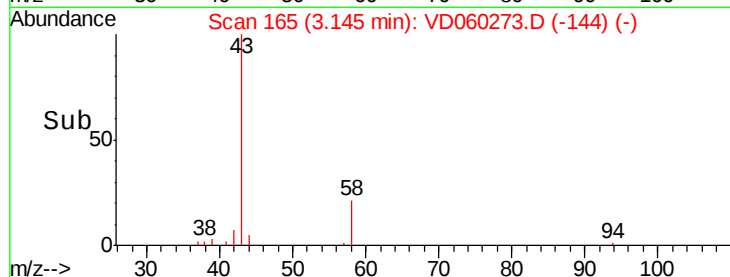
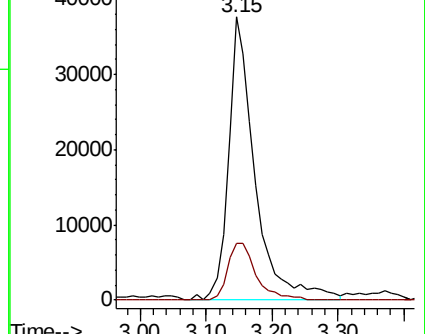
43 100

58 20.2 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.035 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060273.D

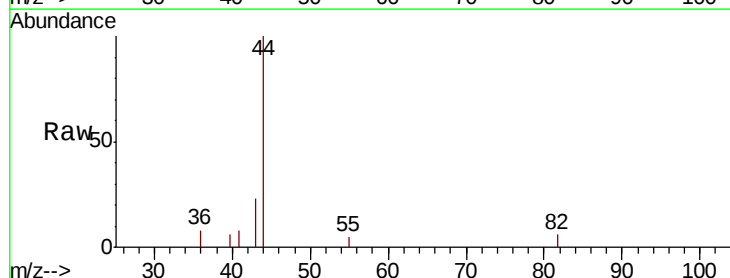
Acq: 1 Nov 2018 20:23

Tgt Ion: 43 Resp: 3948

Ion Ratio Lower Upper

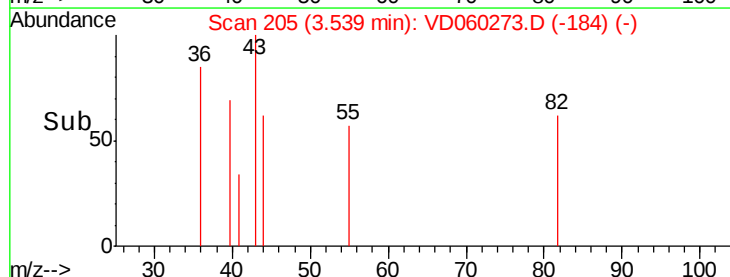
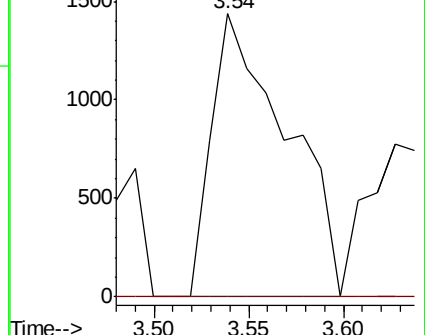
43 100

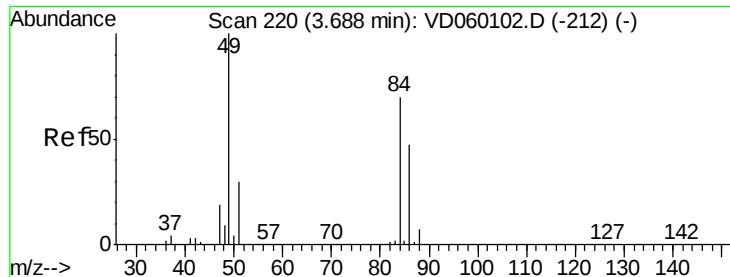
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

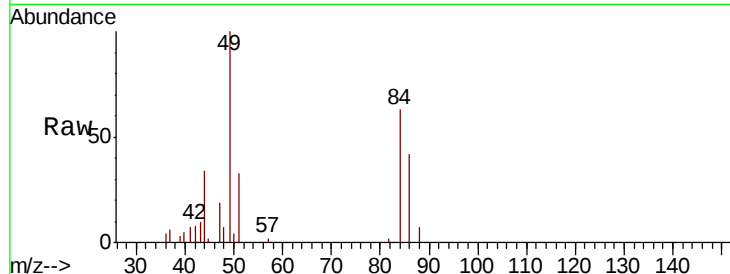




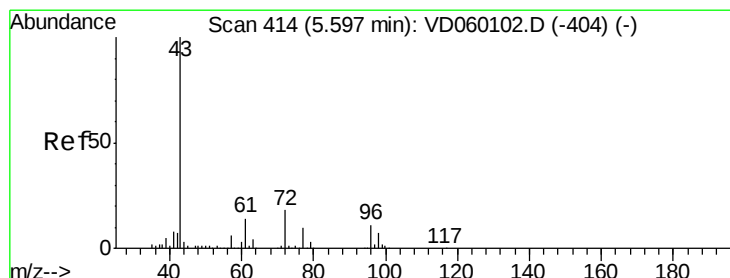
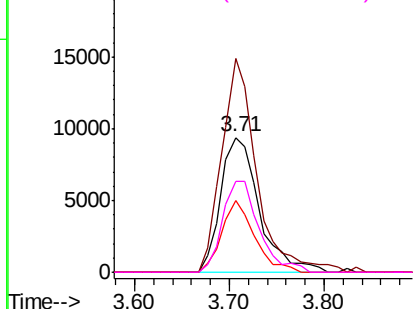
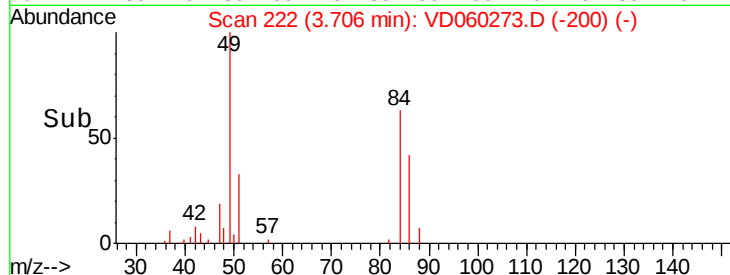
#20
Methylene Chloride
Concen: Below Cal
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Instrument :
MSVOA_D
ClientSampled :
TP-1-S

Tgt Ion: 84 Resp: 26520
Ion Ratio Lower Upper
84 100
49 158.3 114.6 172.0
51 52.9 33.8 50.8#
86 66.9 53.3 79.9

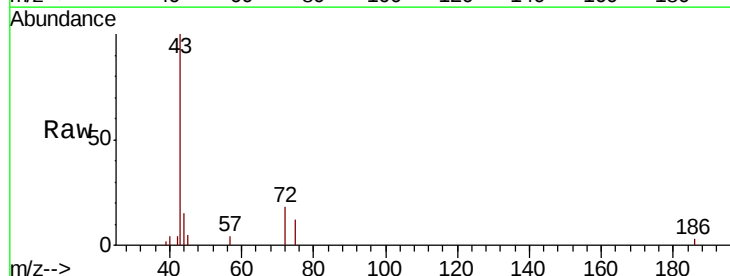


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

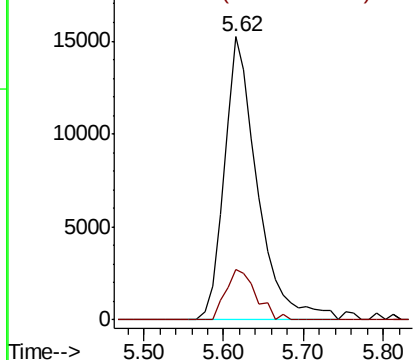
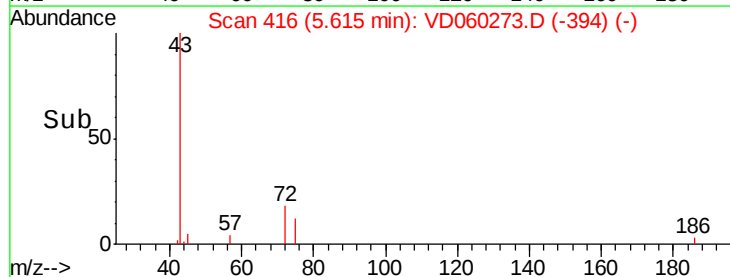


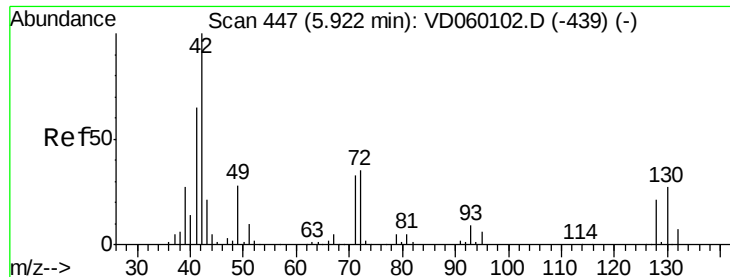
#25
2-Butanone
Concen: 9.937 ug/l
RT: 5.62 min Scan# 416
Delta R.T. 0.02 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Tgt Ion: 43 Resp: 44057
Ion Ratio Lower Upper
43 100
72 18.0 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

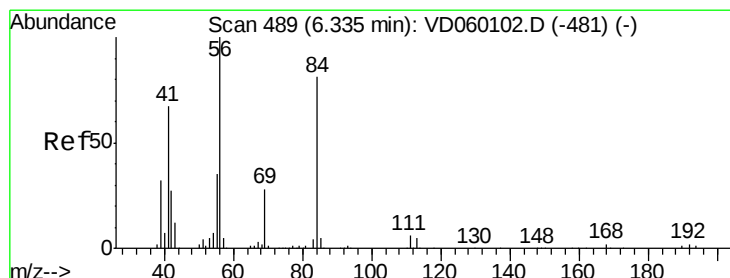
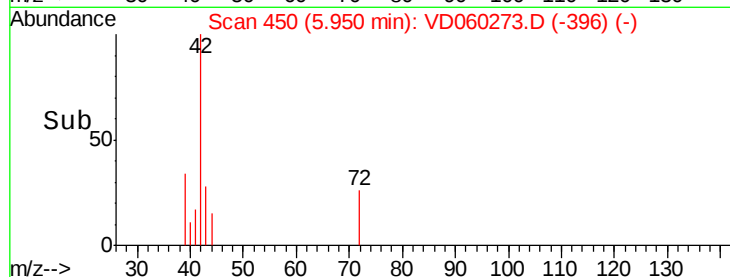
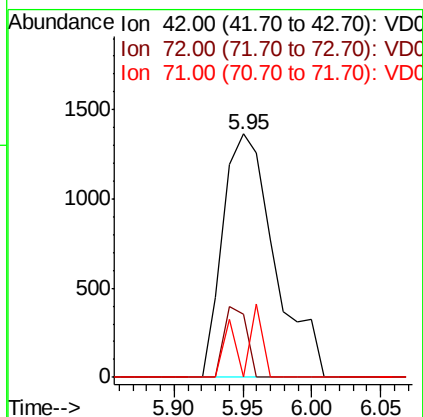
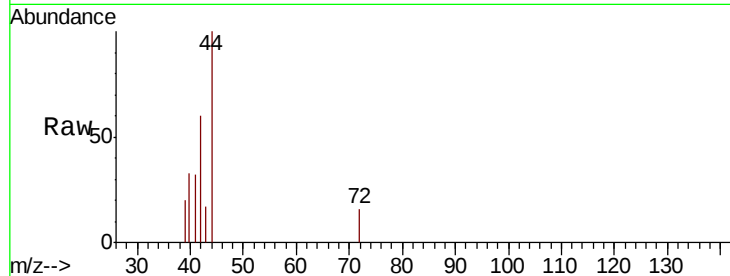




#29
Tetrahydrofuran
Concen: 1.387 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

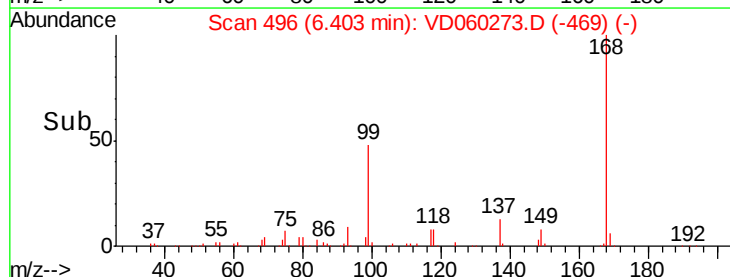
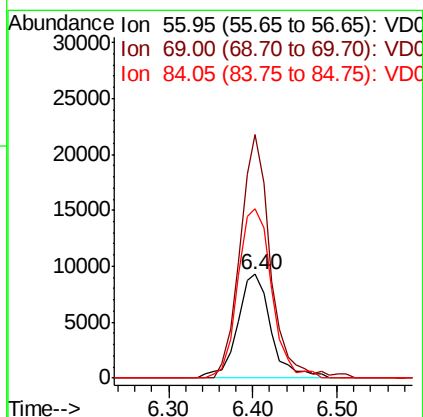
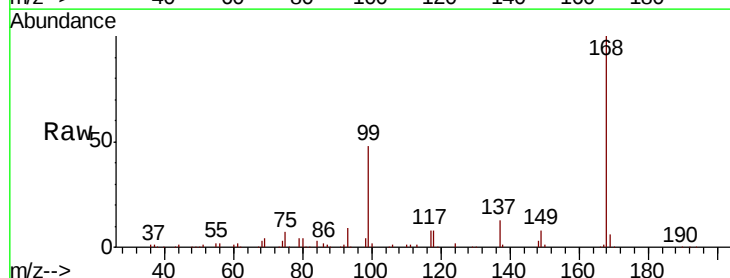
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

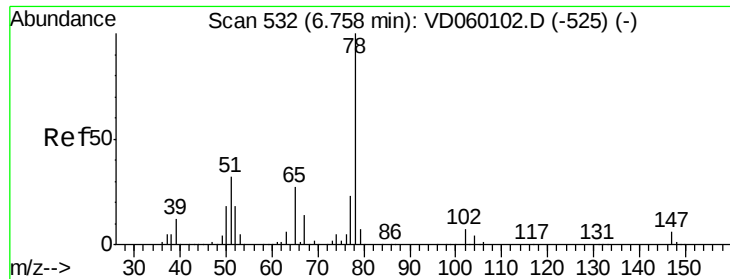
Tgt Ion: 42 Resp: 3572
Ion Ratio Lower Upper
42 100
72 12.5 26.9 40.3#
71 5.4 26.7 40.1#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Tgt Ion: 56 Resp: 25521
Ion Ratio Lower Upper
56 100
69 234.2 22.8 34.2#
84 163.5 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060273.D

Acq: 1 Nov 2018 20:23

Instrument :

MSVOA_D

ClientSampleId :

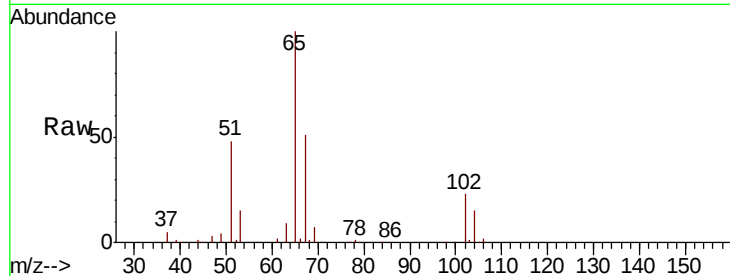
TP-1-S

Tgt Ion: 65 Resp: 448232

Ion Ratio Lower Upper

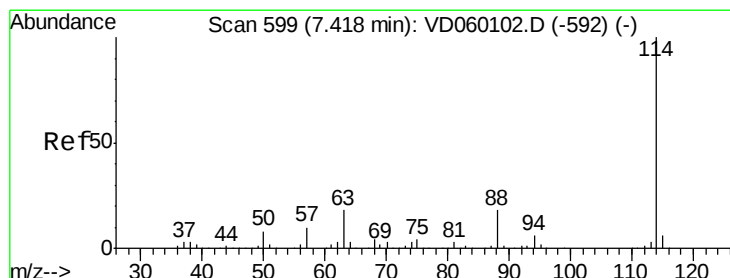
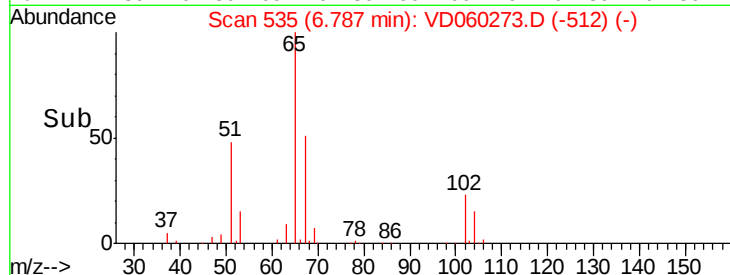
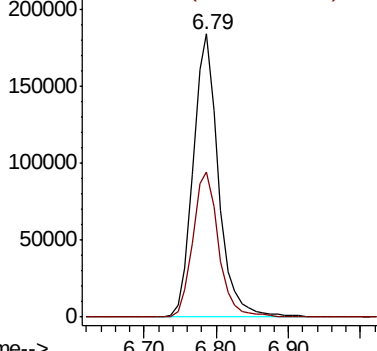
65 100

67 51.3 0.0 106.2



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: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060273.D

Acq: 1 Nov 2018 20:23

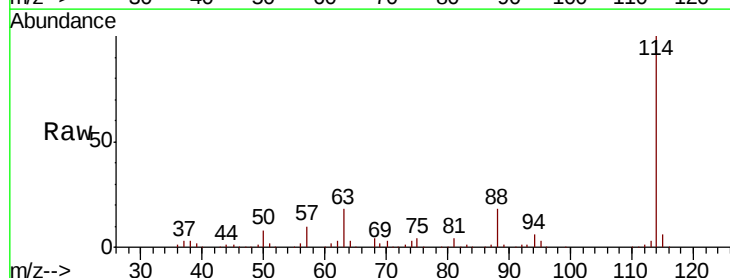
Tgt Ion: 114 Resp: 1795625

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.0

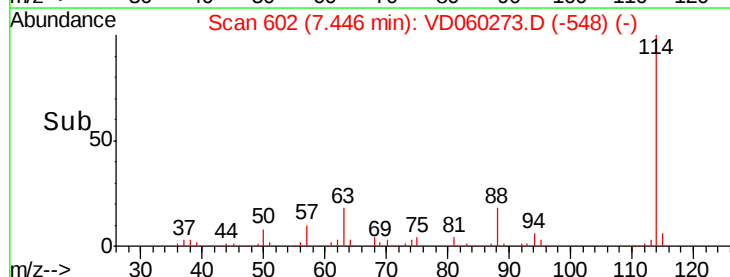
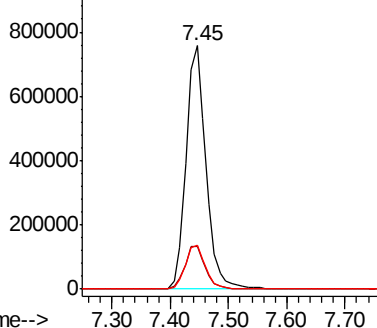
88 17.8 0.0 36.2

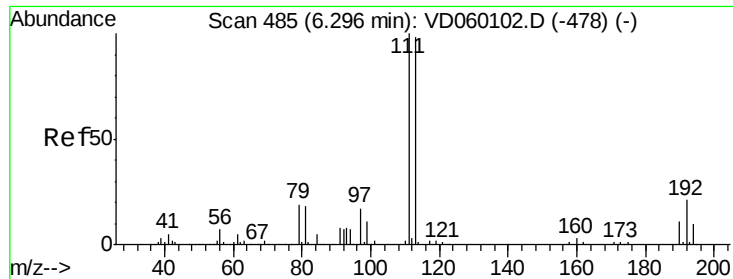


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

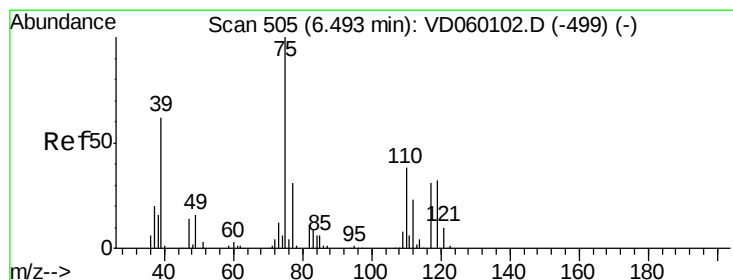
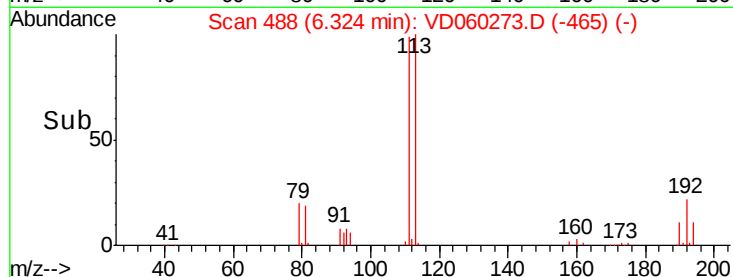
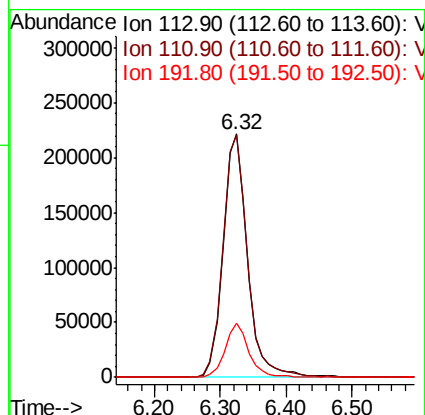
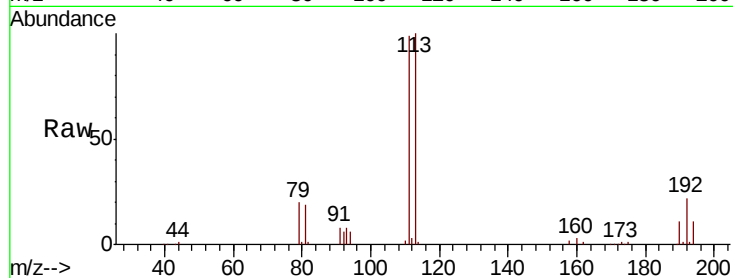




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060273.D
 Acq: 1 Nov 2018 20:23

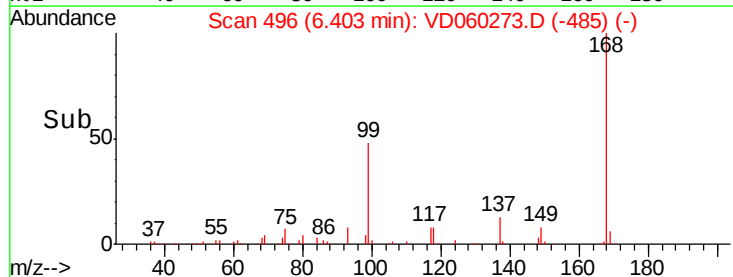
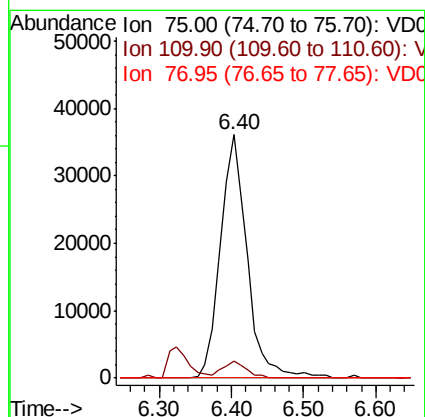
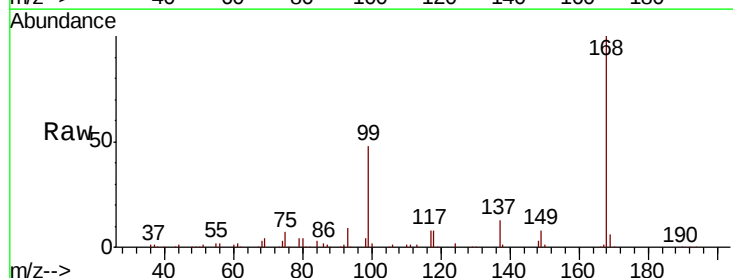
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1-S

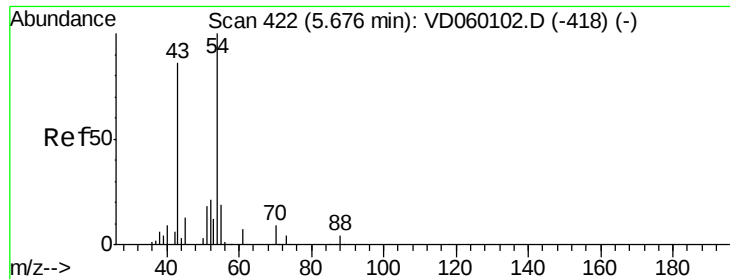
Tgt Ion: 113 Resp: 571718
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.5 122.3
 192 22.3 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.381 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060273.D
 Acq: 1 Nov 2018 20:23

Tgt Ion: 75 Resp: 92332
 Ion Ratio Lower Upper
 75 100
 110 7.0 19.0 57.0#
 77 0.0 24.9 37.3#

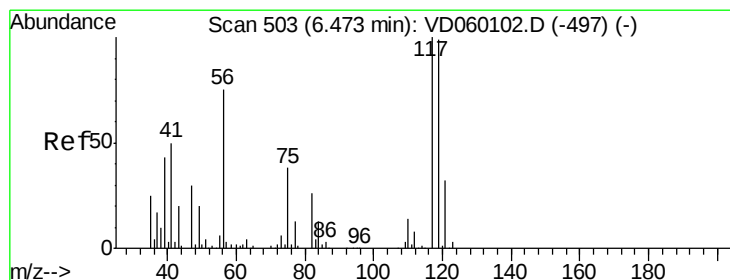
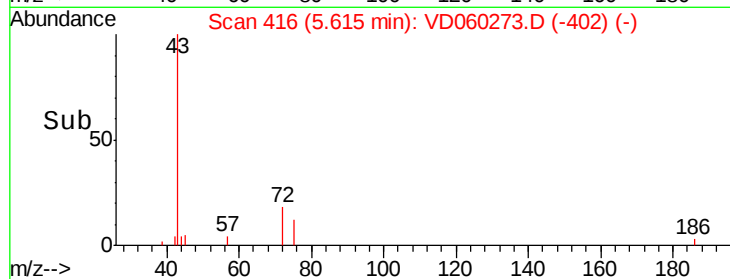
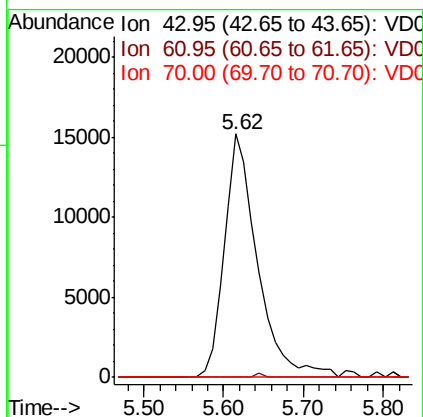
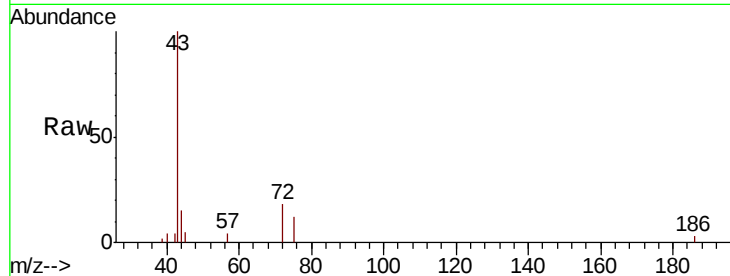




#37
 Ethyl Acetate
 Concen: 3.868 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. -0.06 min
 Lab File: VD060273.D
 Acq: 1 Nov 2018 20:23

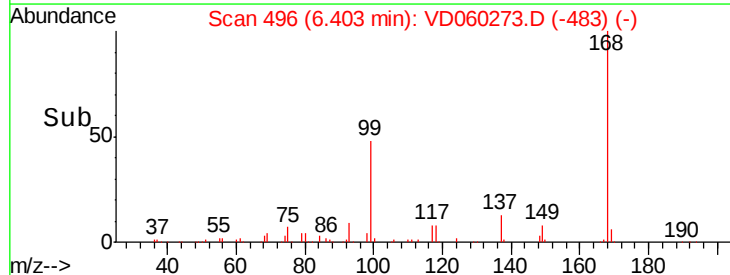
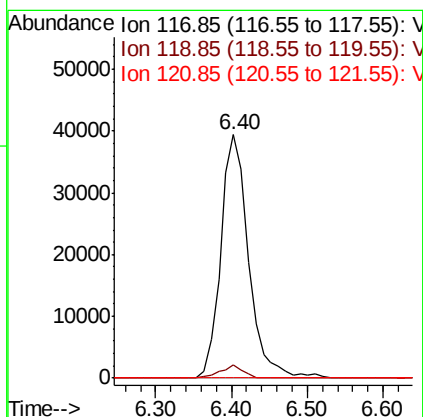
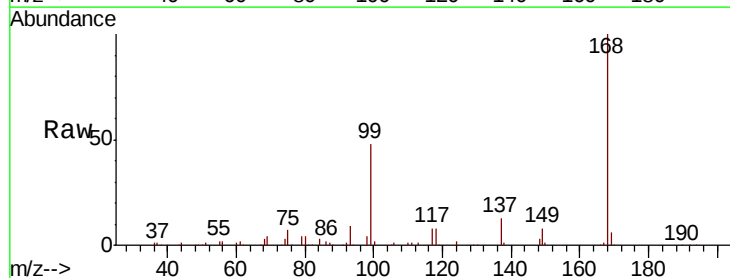
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 TP-1-S

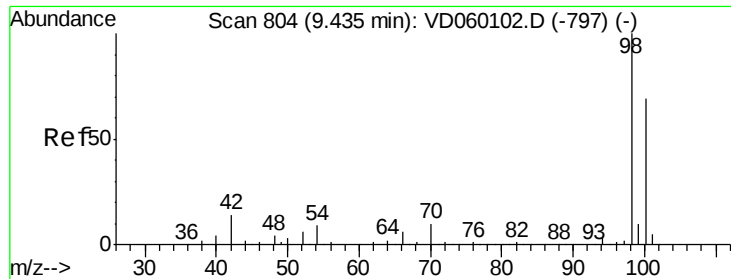
Tgt Ion: 43 Resp: 44057
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 6.3 9.5#



#38
 Carbon Tetrachloride
 Concen: 6.431 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.07 min
 Lab File: VD060273.D
 Acq: 1 Nov 2018 20:23

Tgt Ion: 117 Resp: 100151
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.8 116.6#
 121 0.0 24.8 37.2#

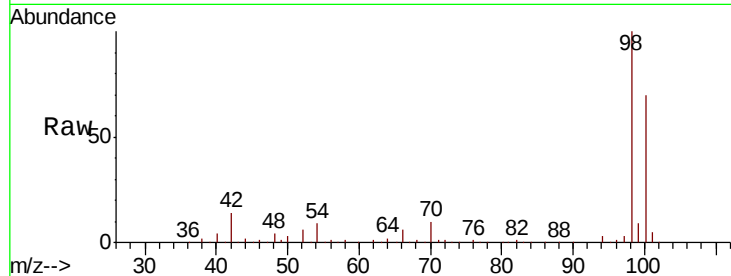




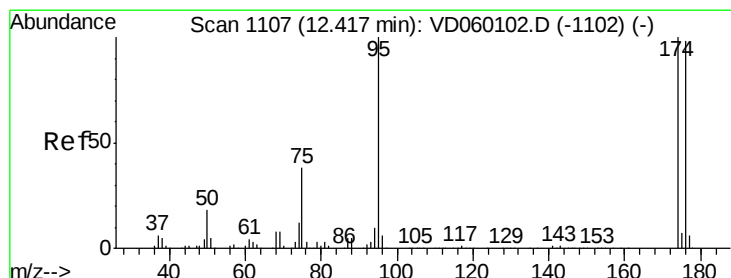
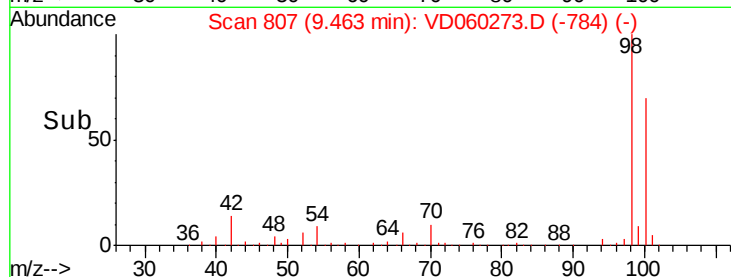
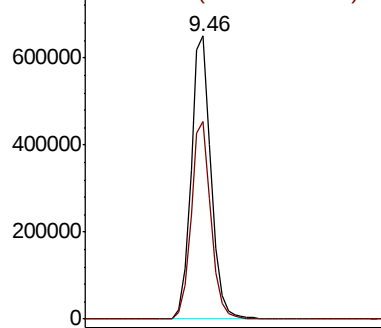
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

Tgt Ion: 98 Resp: 1432596
Ion Ratio Lower Upper
98 100
100 69.7 55.4 83.0

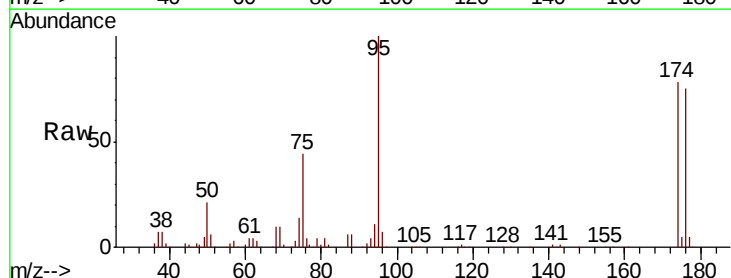


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

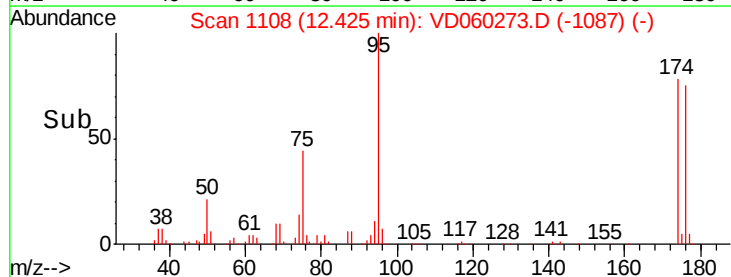
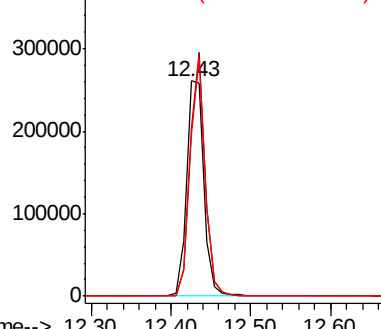


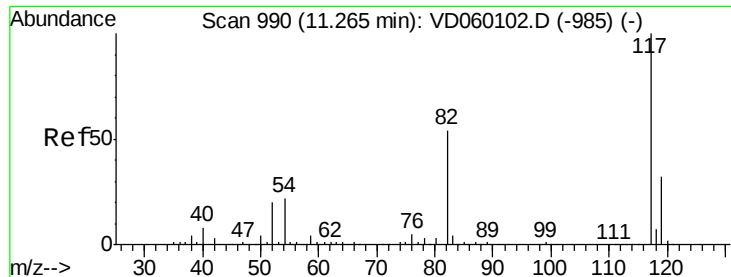
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Tgt Ion: 95 Resp: 399843
Ion Ratio Lower Upper
95 100
174 78.2 0.0 200.2
176 75.0 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

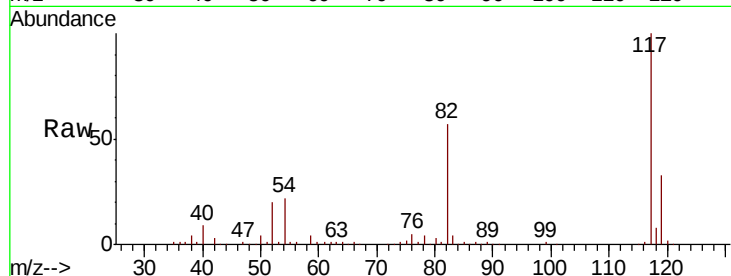




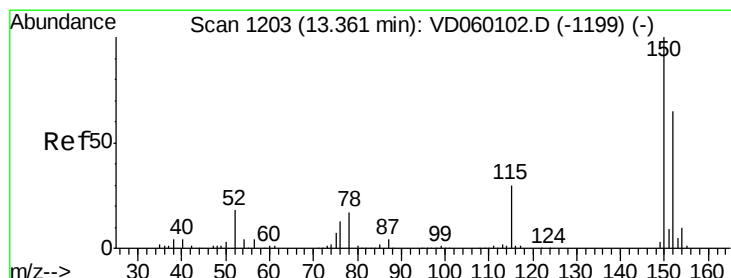
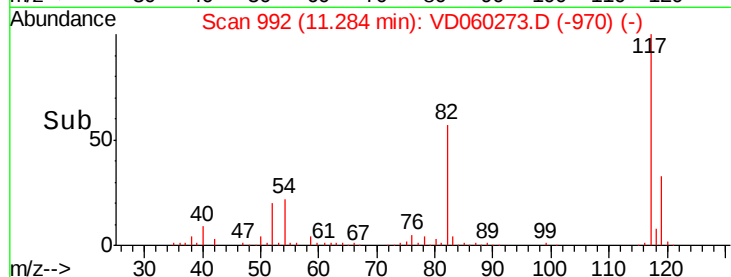
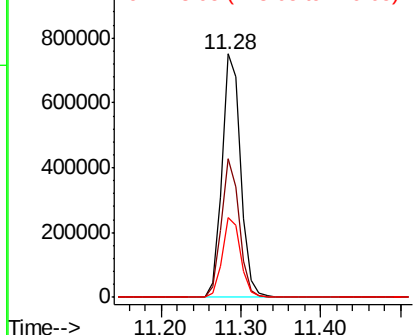
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

Tgt Ion:117 Resp: 1247602
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.2
119 32.5 26.0 39.0

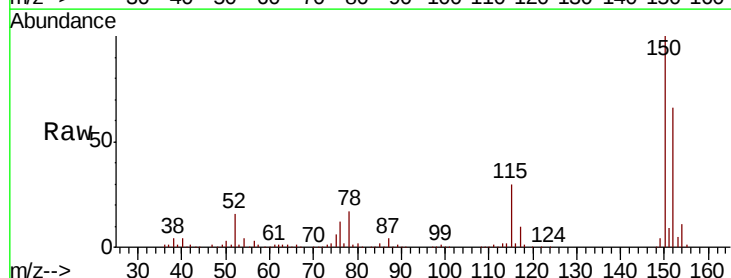


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

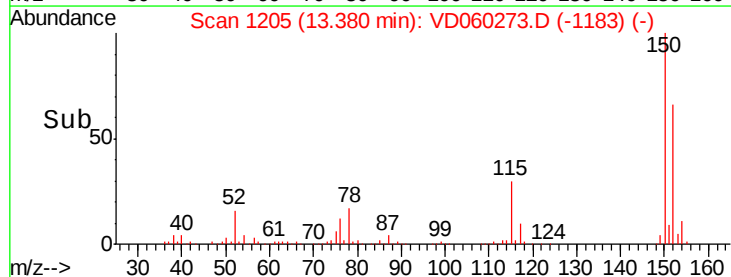
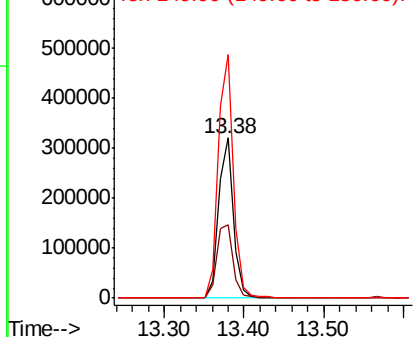


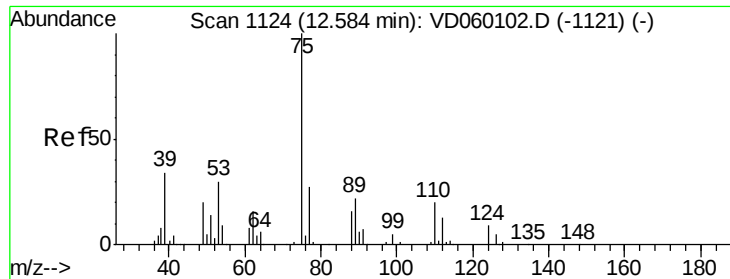
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Tgt Ion:152 Resp: 421784
Ion Ratio Lower Upper
152 100
115 46.2 27.1 81.2
150 152.3 0.0 311.8



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





#76

1,2,3-Trichloropropane

Concen: 27.160 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060273.D

Acq: 1 Nov 2018 20:23

Instrument :

MSVOA_D

ClientSampleId :

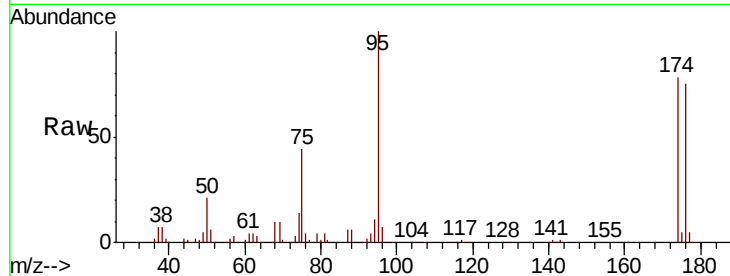
TP-1-S

Tgt Ion: 75 Resp: 164975

Ion Ratio Lower Upper

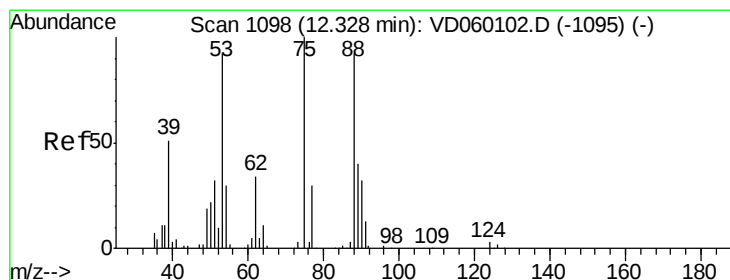
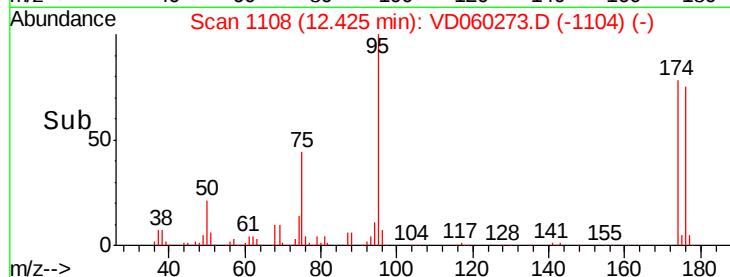
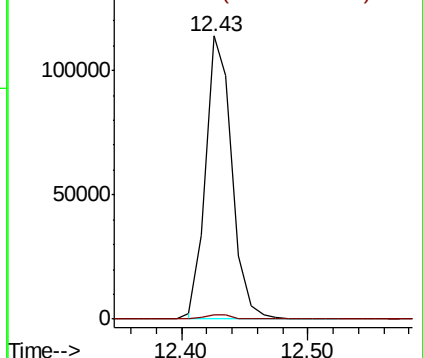
75 100

77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 97.220 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060273.D

Acq: 1 Nov 2018 20:23

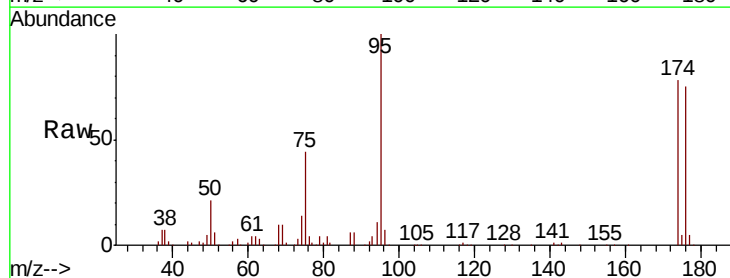
Tgt Ion: 75 Resp: 165933

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

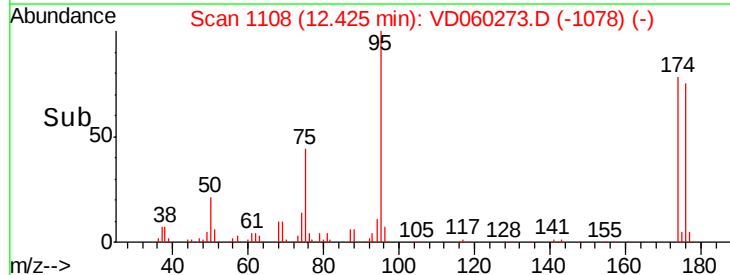
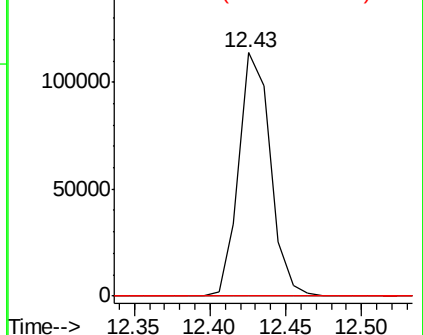
89 0.0 32.0 48.0#

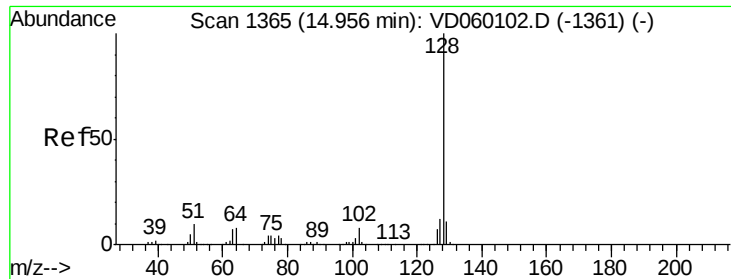


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 3.006 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VD060273.D
Acq: 1 Nov 2018 20:23

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	9.9	14.9
129	10.9	8.8	13.2

