

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060519.D
 Acq On : 10 Dec 2018 12:33
 Operator : VA/AP
 Sample : J6196-01
 Misc : 6.79g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-120718-A

Quant Time: Dec 11 06:46:26 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	6.41	168	1819926	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2582836	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1936795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	777624	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	543254	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	
35) Dibromofluoromethane	6.33	113	761503	40.14	ug/l	0.00
Spiked Amount			Recovery	=	80.28%	
50) Toluene-d8	9.46	98	1981993	36.10	ug/l	0.00
Spiked Amount			Recovery	=	72.20%	
62) 4-Bromofluorobenzene	12.42	95	669637	34.09	ug/l	-0.01
Spiked Amount			Recovery	=	68.18%	

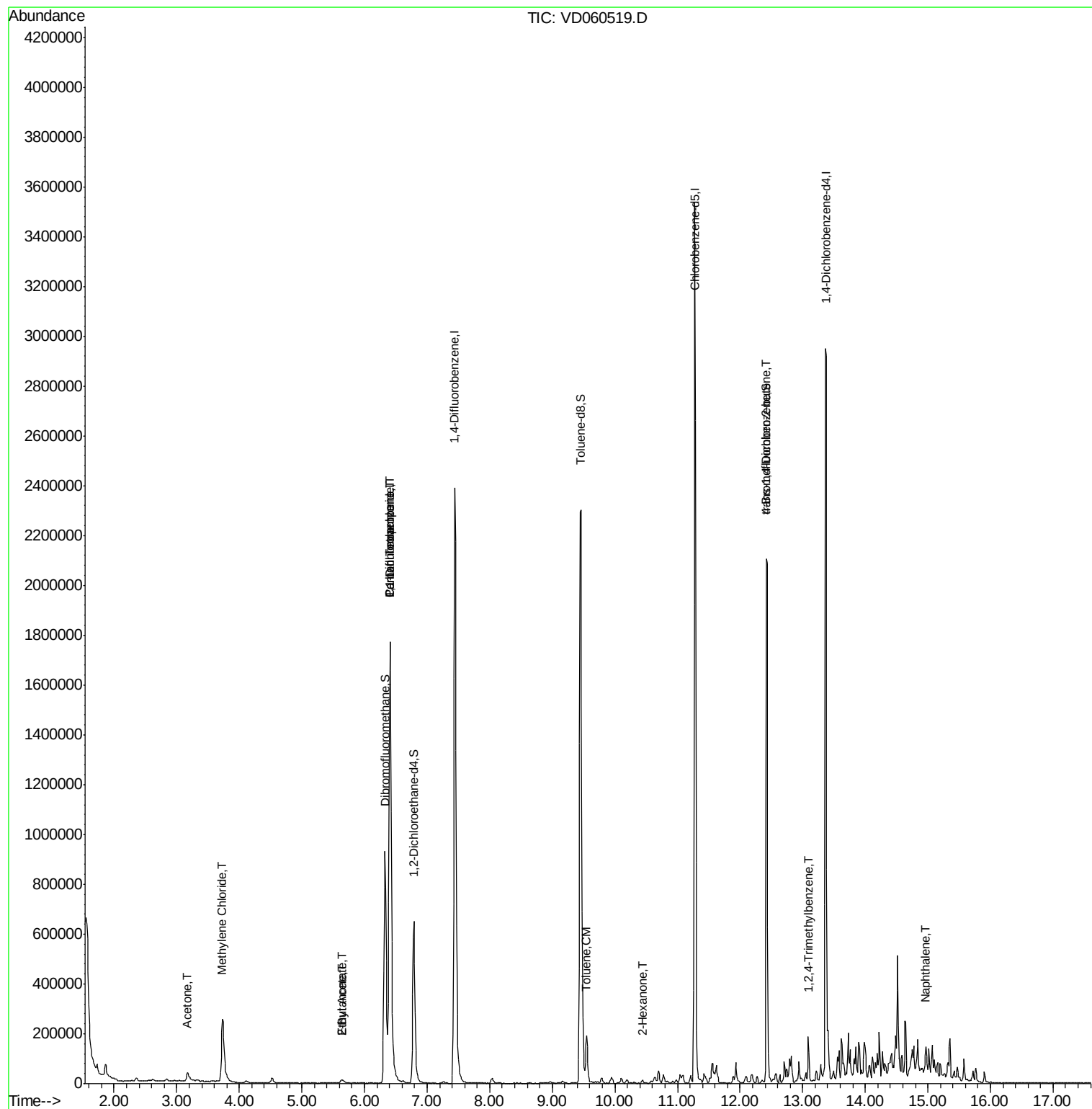
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	1050	Below Cal	#	41
16) Acetone	3.17	43	76690	37.090	ug/l	100
20) Methylene Chloride	3.73	84	183347	5.694	ug/l	93
25) 2-Butanone	5.63	43	22117	5.437	ug/l	92
31) Cyclohexane	6.41	56	43014	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	128116	5.075	ug/l	# 47
37) Ethyl Acetate	5.63	43	22116	2.020	ug/l	# 68
38) Carbon Tetrachloride	6.41	117	144299	6.367	ug/l	# 16
52) Toluene	9.55	92	95709	2.373	ug/l	95
59) 2-Hexanone	10.43	43	10019	1.705	ug/l	# 30
81) trans-1,4-Dichloro-2-buten	12.42	75	268145	109.117	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.09	105	78575	1.805	ug/l	96
95) Naphthalene	14.97	128	51838	2.604	ug/l	99

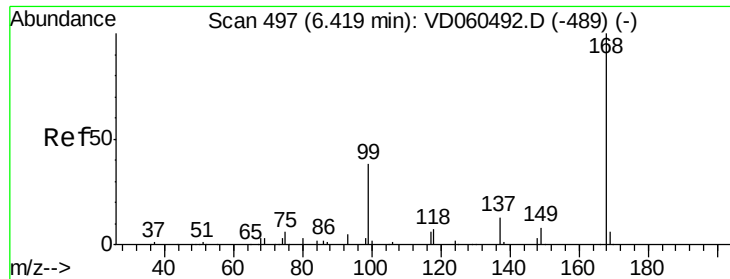
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

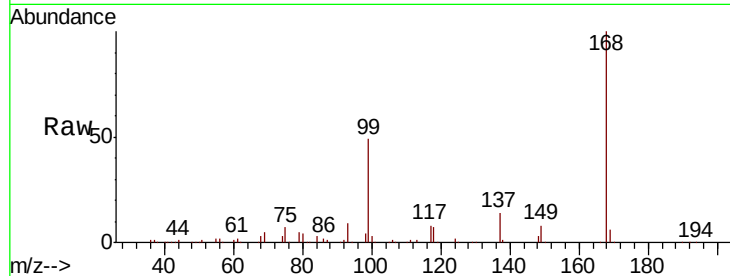
EO-03-120718-A

Tot Ion:168 Resp: 1819926

Ion Ratio Lower Upper

168 100

99 49.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.41

600000

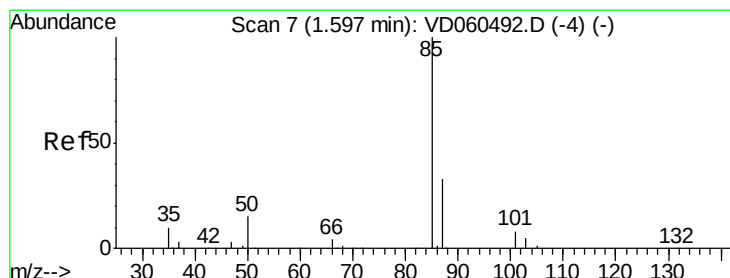
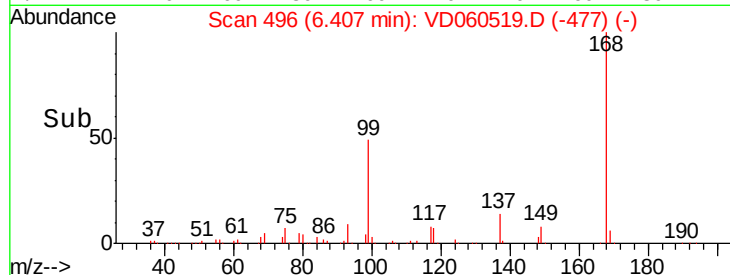
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060519.D

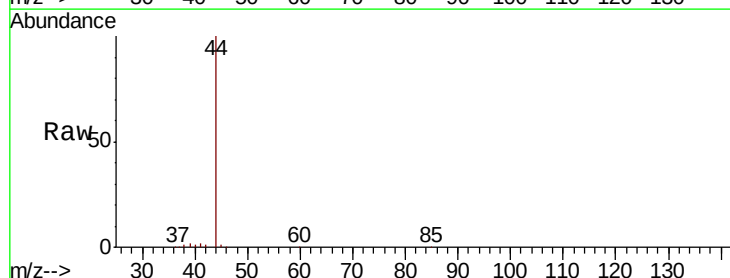
Acq: 10 Dec 2018 12:33

Tgt Ion: 85 Resp: 1050

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.60

1000

800

600

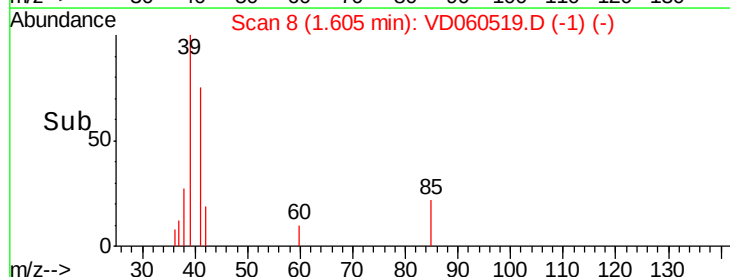
400

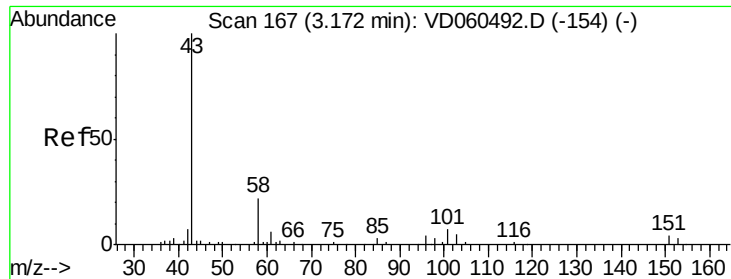
200

0

1.55 1.60 1.65

Time-->





#16

Acetone

Concen: 37.090 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

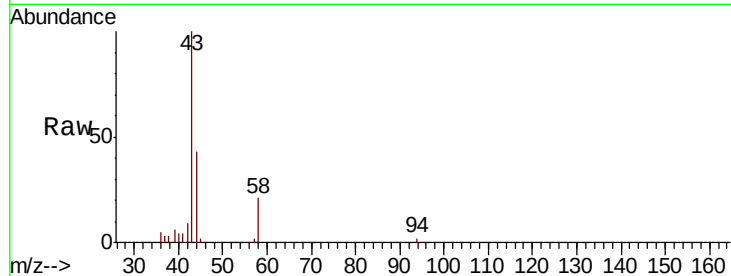
EO-03-120718-A

Tot Ion: 43 Resp: 76690

Ion Ratio Lower Upper

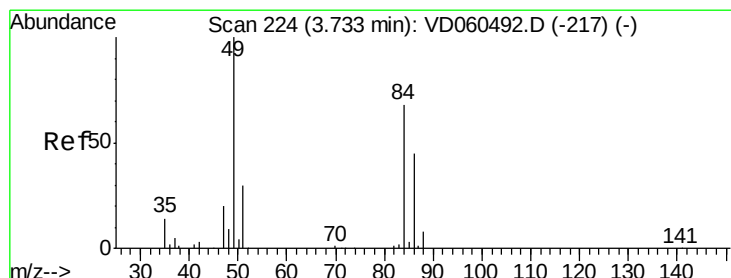
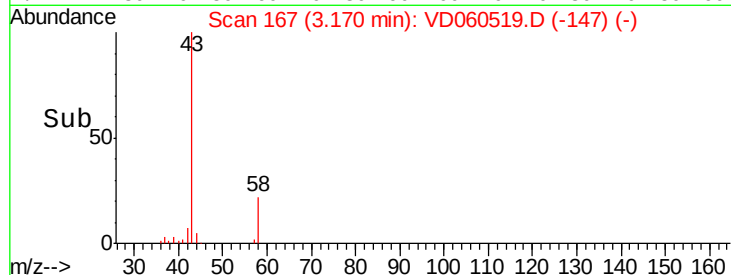
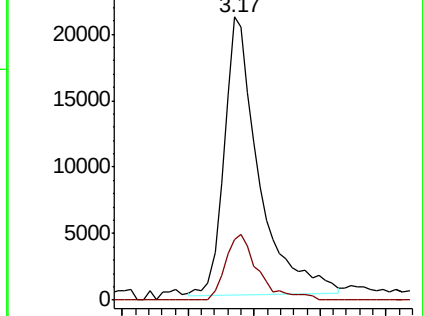
43 100

58 21.5 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.694 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

Tgt Ion: 84 Resp: 183347

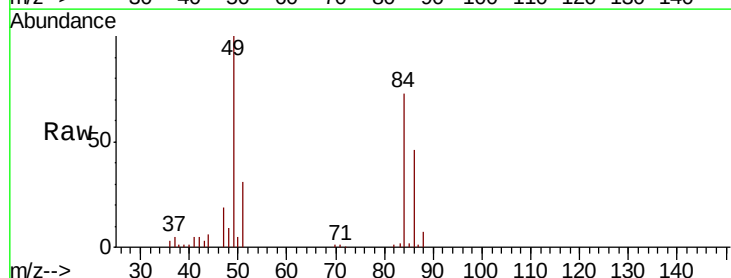
Ion Ratio Lower Upper

84 100

49 136.2 117.2 175.8

51 42.3 35.3 52.9

86 62.0 53.2 79.8

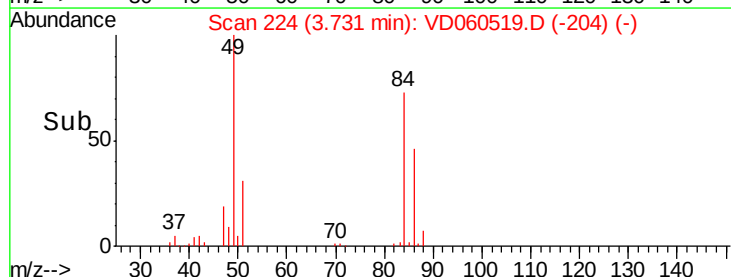
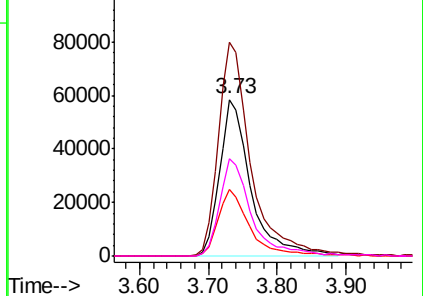


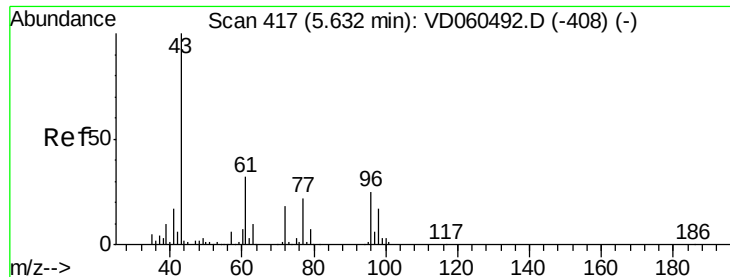
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

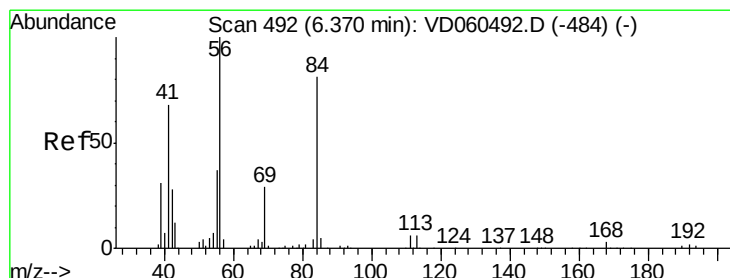
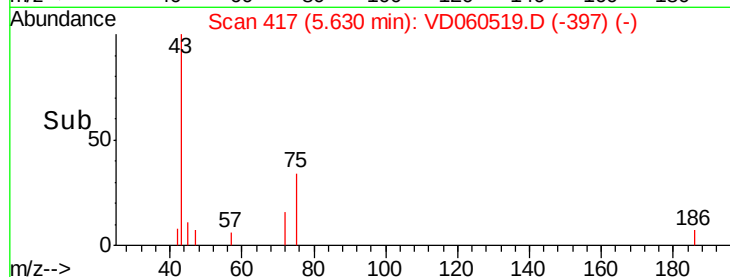
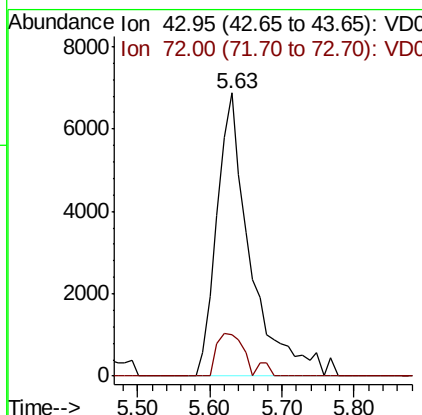
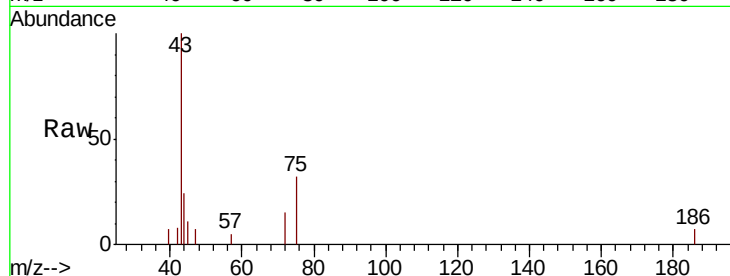




#25
2-Butanone
Concen: 5.437 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.00 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

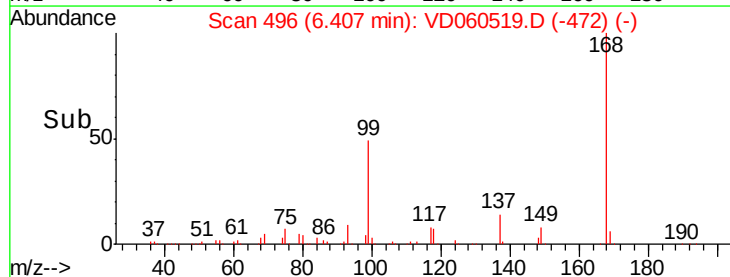
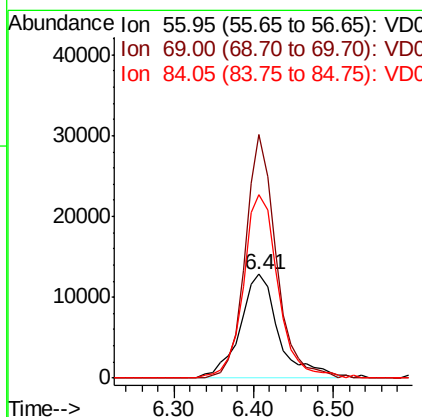
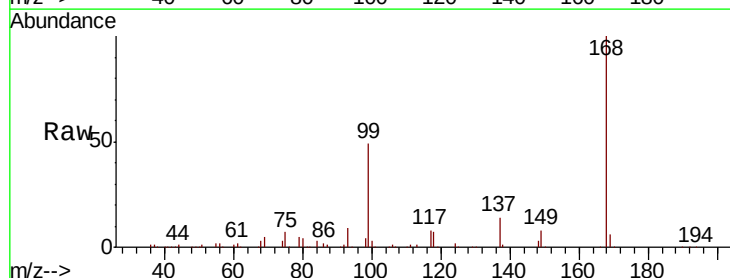
Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-A

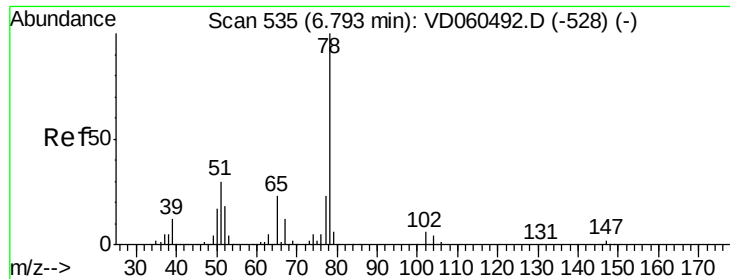
Tot Ion: 43 Resp: 22117
Ion Ratio Lower Upper
43 100
72 14.8 14.6 21.8



#31
Cyclohexane
Concen: Below Cal
RT: 6.41 min Scan# 496
Delta R.T. 0.04 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

Tgt Ion: 56 Resp: 43014
Ion Ratio Lower Upper
56 100
69 234.2 22.8 34.2#
84 176.1 65.1 97.7#

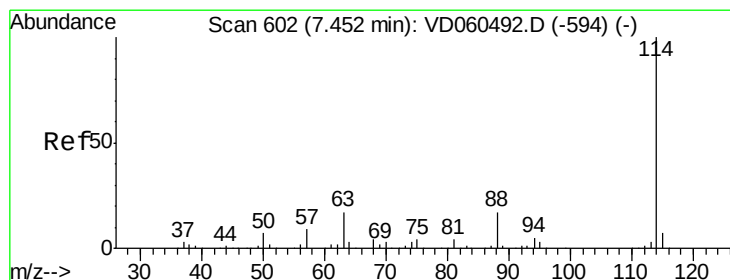
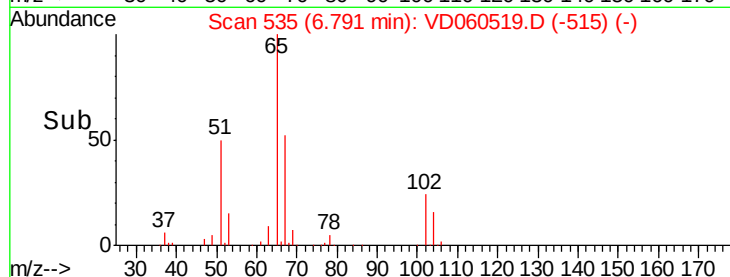
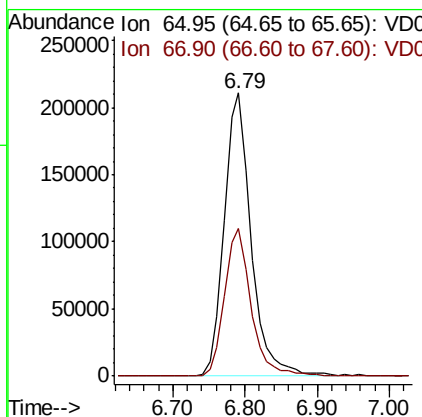
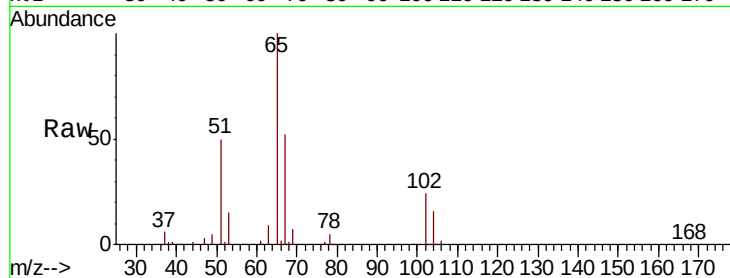




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VD060519.D
 Acq: 10 Dec 2018 12:33

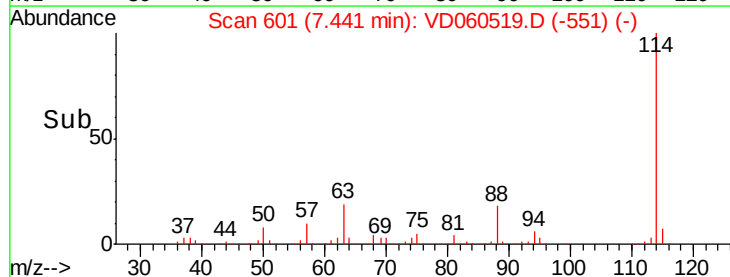
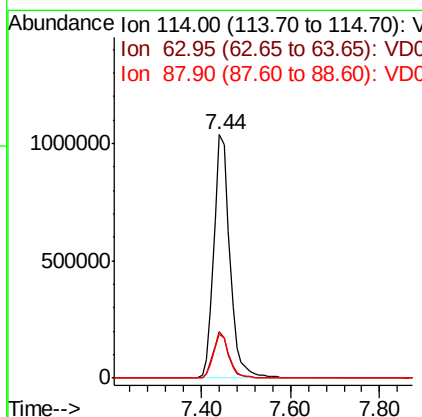
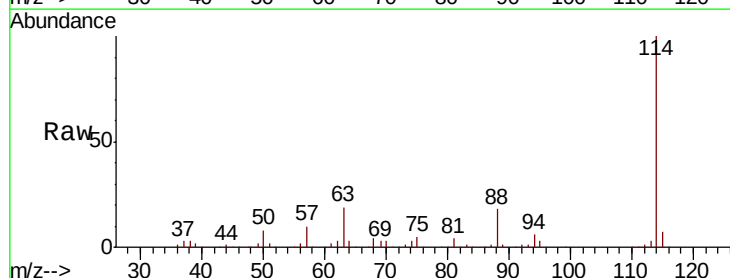
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-120718-A

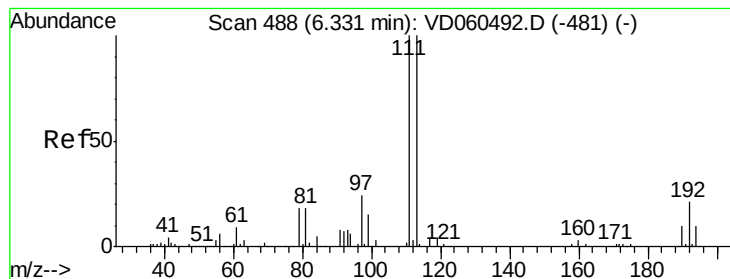
Tot Ion: 65 Resp: 543254
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060519.D
 Acq: 10 Dec 2018 12:33

Tgt Ion: 114 Resp: 2582836
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 34.2
 88 18.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-A

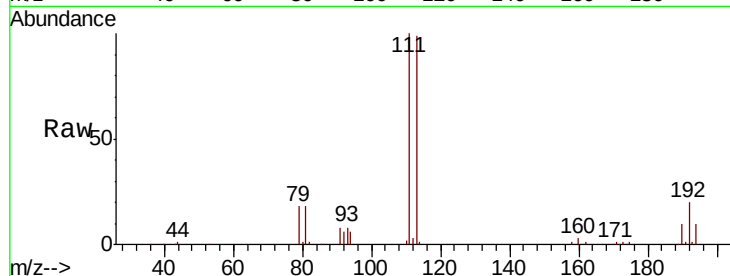
Tot Ion:113 Resp: 761503

Ion Ratio Lower Upper

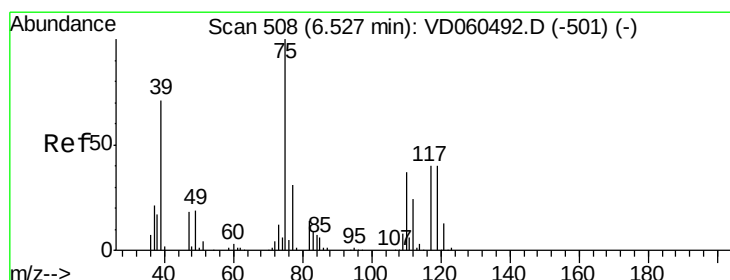
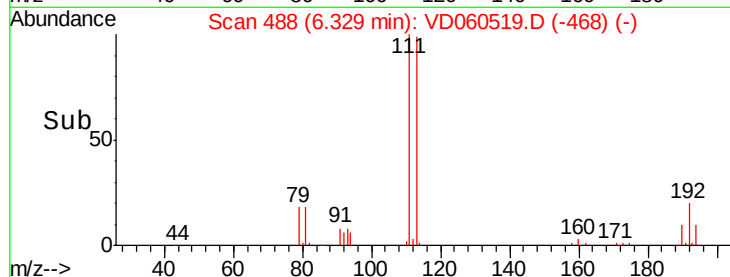
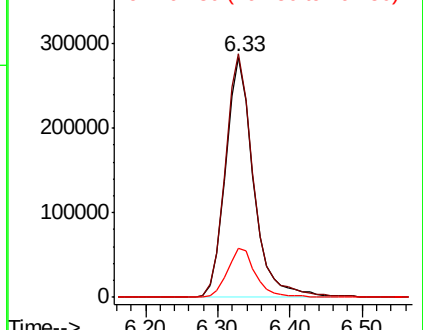
113 100

111 101.5 80.2 120.4

192 20.5 16.6 24.8



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: 5.075 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

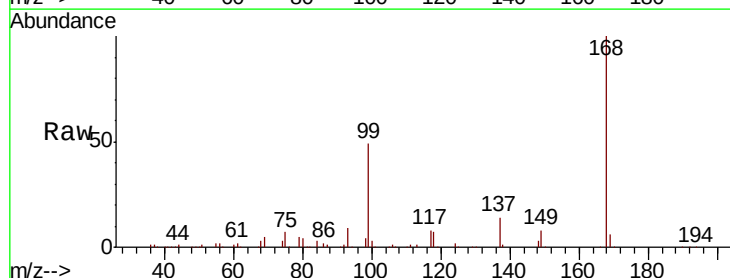
Tgt Ion: 75 Resp: 128116

Ion Ratio Lower Upper

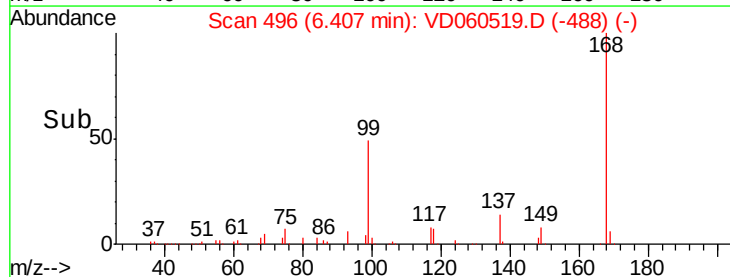
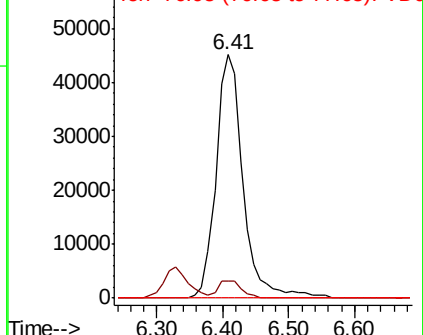
75 100

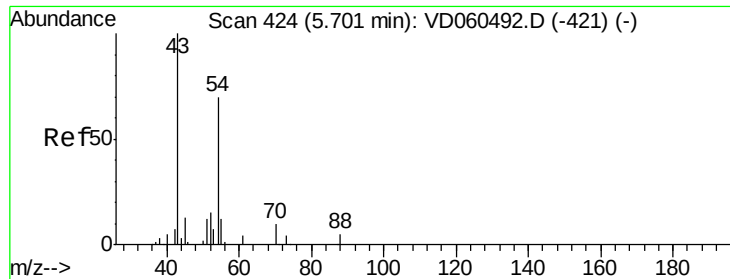
110 6.9 18.3 54.8#

77 0.0 24.6 37.0#



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





#37

Ethyl Acetate

Concen: 2.020 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.07 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-A

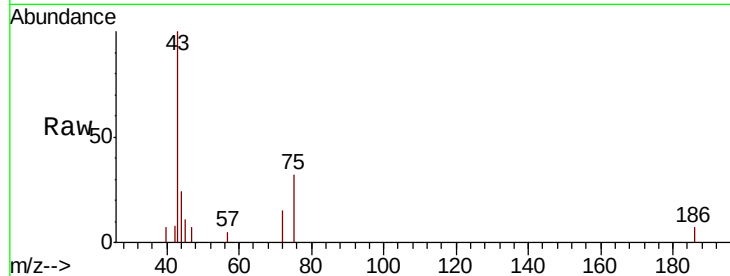
Tot Ion: 43 Resp: 22116

Ion Ratio Lower Upper

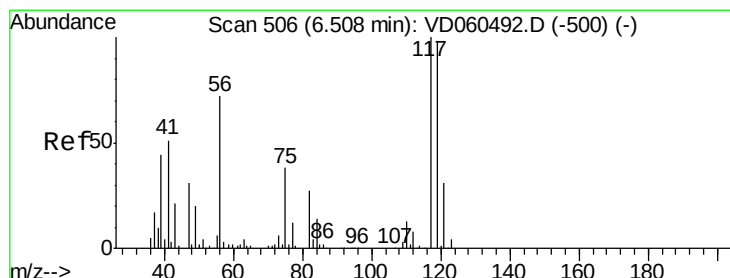
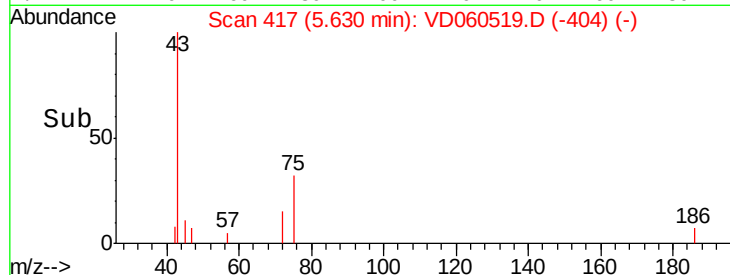
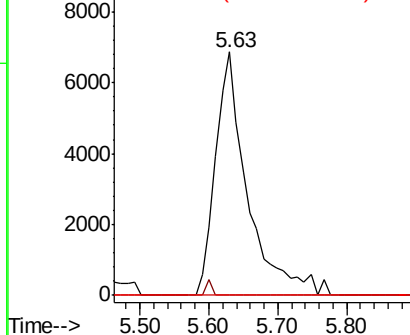
43 100

61 0.0 12.4 18.6#

70 0.0 5.4 8.0#



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: 6.367 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

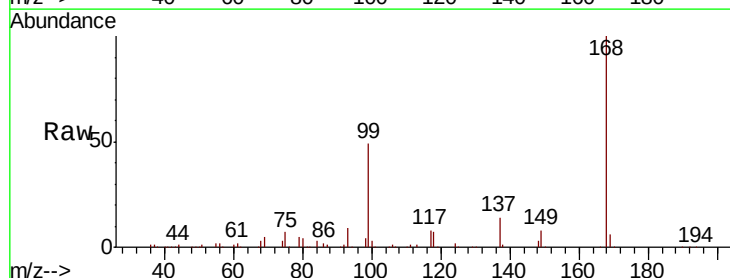
Tgt Ion: 117 Resp: 144299

Ion Ratio Lower Upper

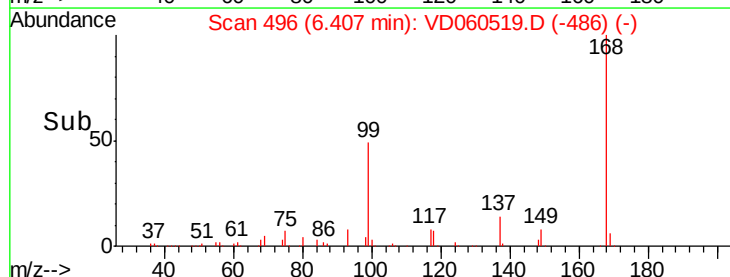
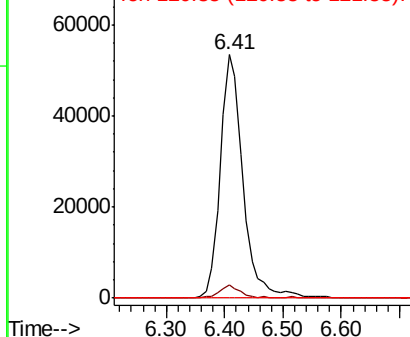
117 100

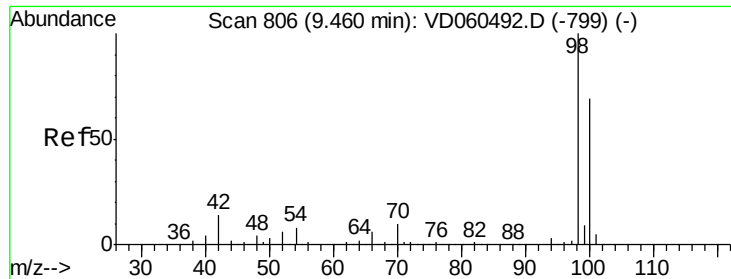
119 5.5 76.8 115.2#

121 0.0 24.4 36.6#



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

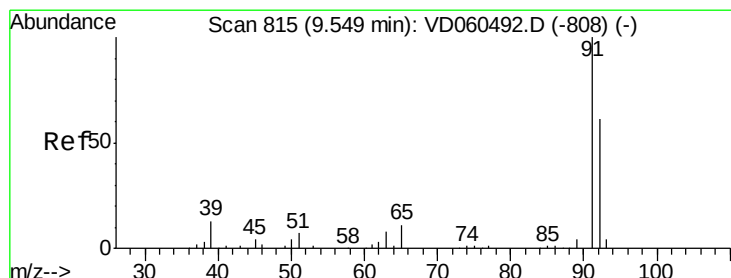
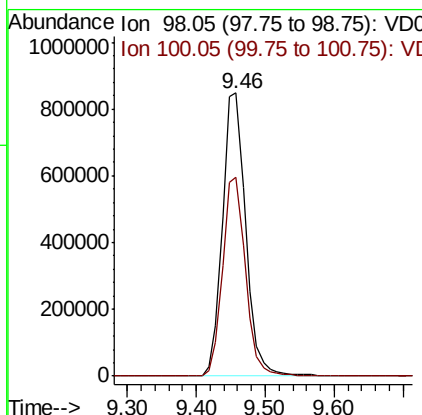
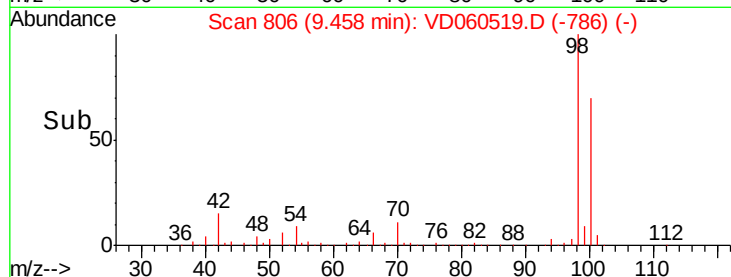
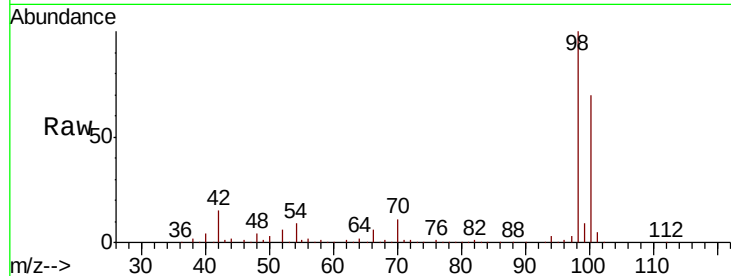




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

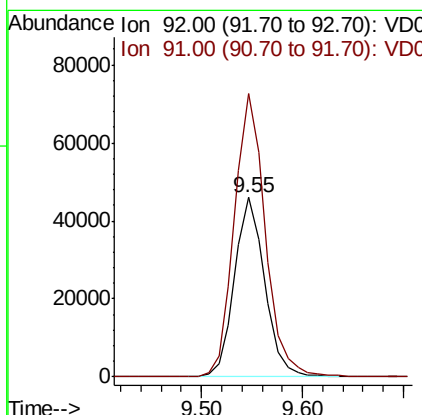
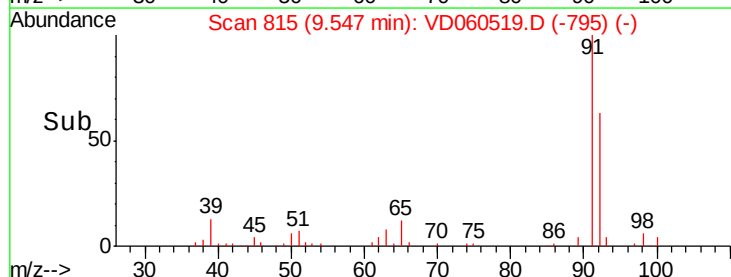
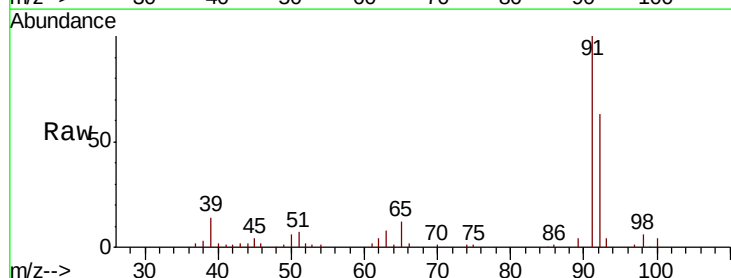
Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-A

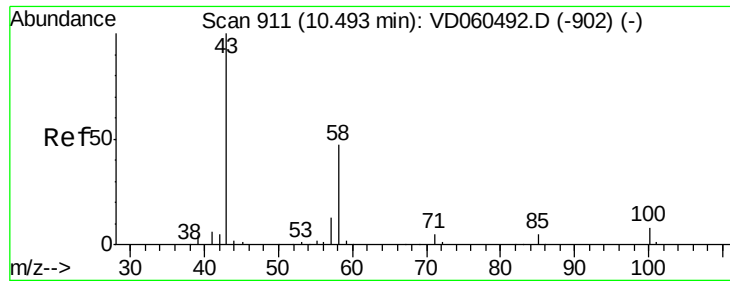
Tot Ion: 98 Resp: 1981993
Ion Ratio Lower Upper
98 100
100 70.1 55.7 83.5



#52
Toluene
Concen: 2.373 ug/l
RT: 9.55 min Scan# 815
Delta R.T. -0.00 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

Tgt Ion: 92 Resp: 95709
Ion Ratio Lower Upper
92 100
91 157.7 131.7 197.5

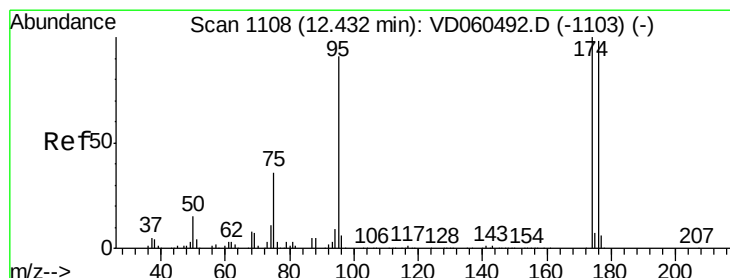
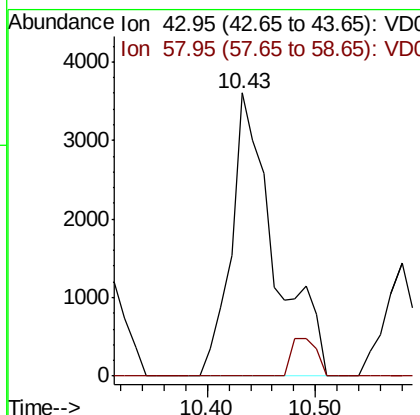
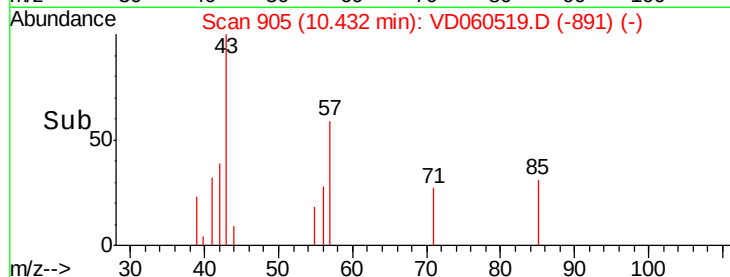
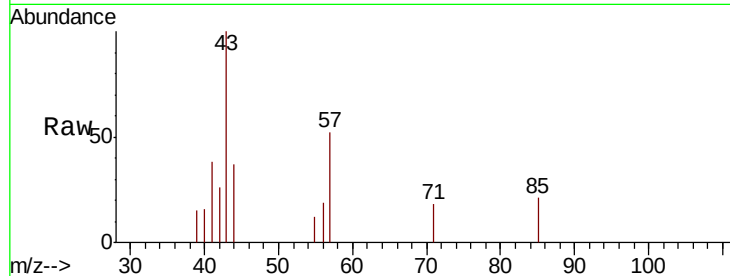




#59
2-Hexanone
Concen: 1.705 ug/l
RT: 10.43 min Scan# 905
Delta R.T. -0.06 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

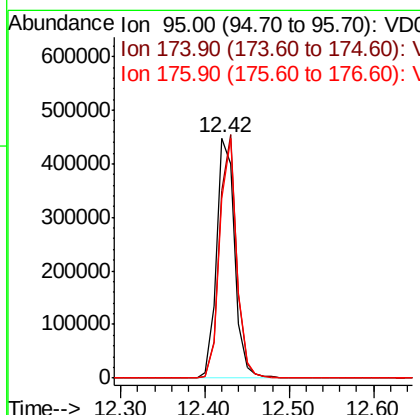
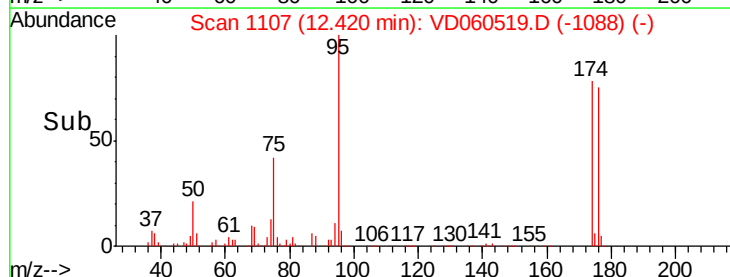
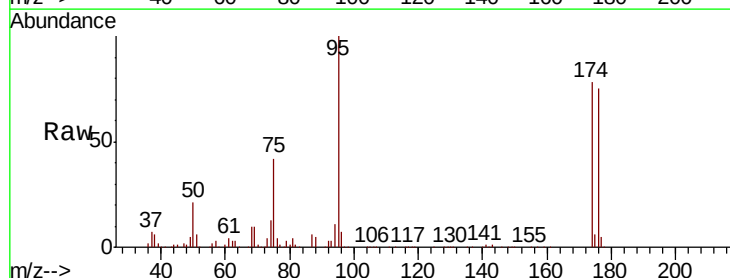
Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-A

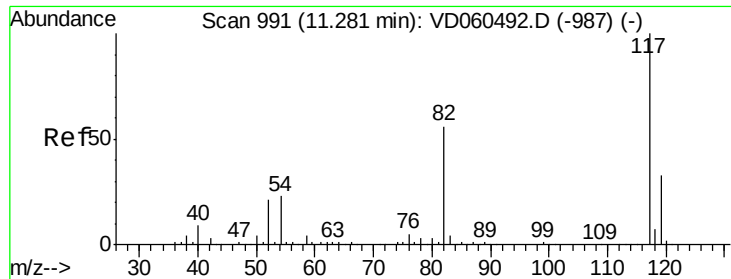
Tot Ion: 43 Resp: 10019
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

Tgt Ion: 95 Resp: 669637
Ion Ratio Lower Upper
95 100
174 77.9 0.0 219.4
176 75.0 0.0 214.6

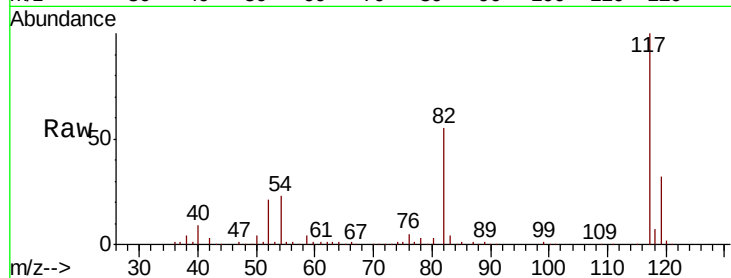




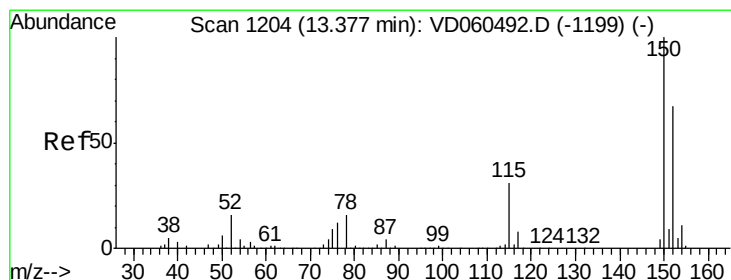
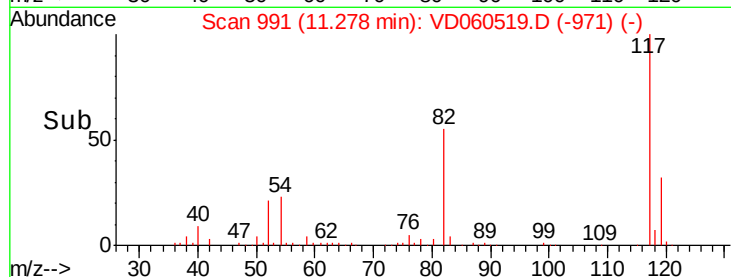
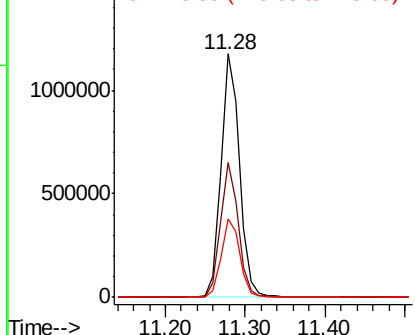
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-A

Tot Ion:117 Resp: 1936795
Ion Ratio Lower Upper
117 100
82 55.3 45.2 67.8
119 32.1 26.1 39.1

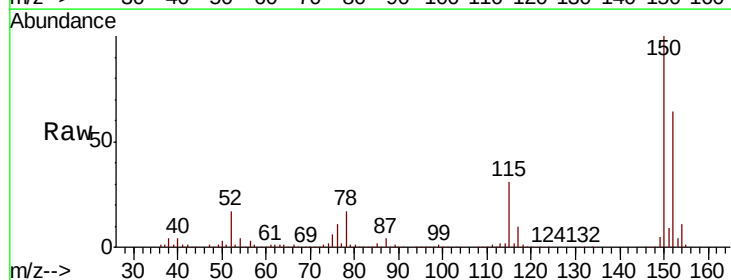


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

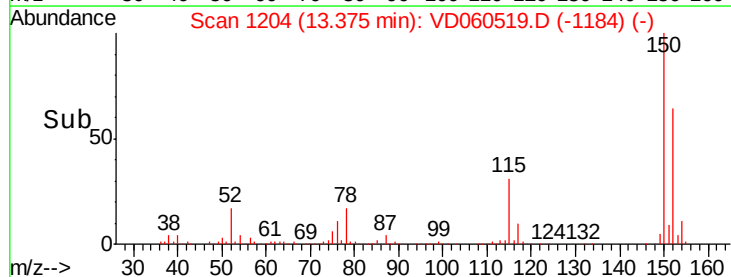
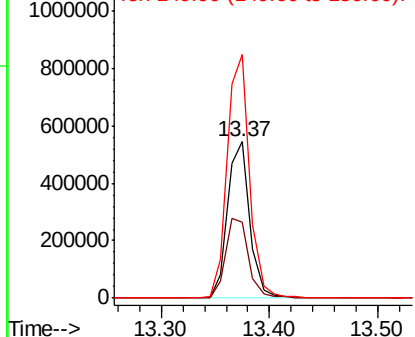


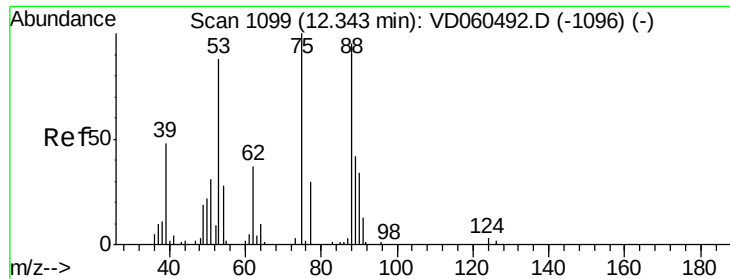
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

Tgt Ion:152 Resp: 777624
Ion Ratio Lower Upper
152 100
115 48.7 24.6 74.0
150 156.0 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: 109.117 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060519.D

Acq: 10 Dec 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-A

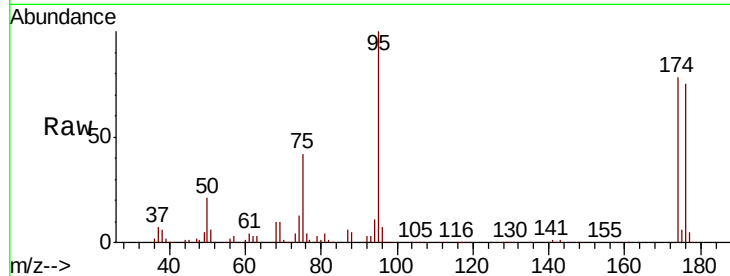
Tot Ion: 75 Resp: 268145

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

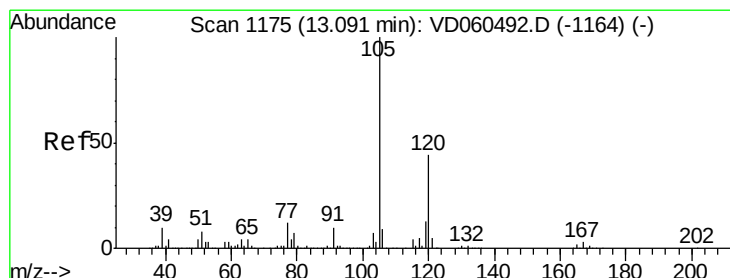
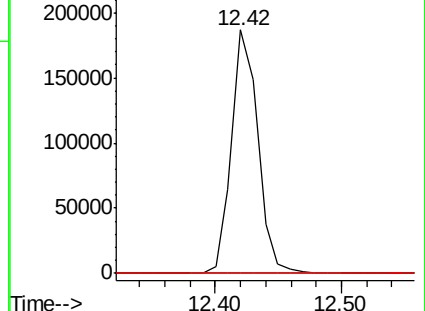
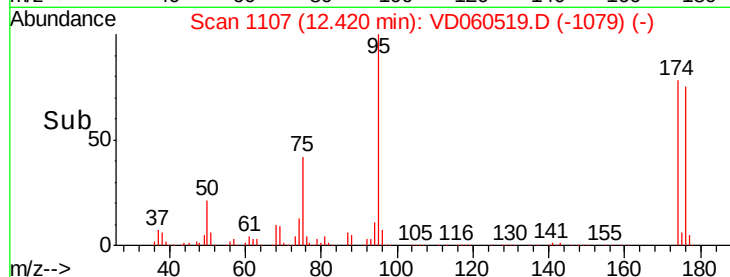
89 0.0 33.6 50.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.805 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060519.D

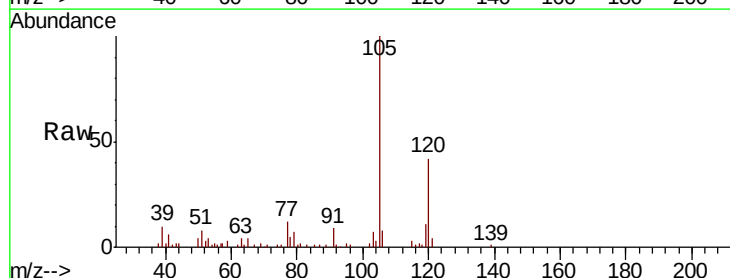
Acq: 10 Dec 2018 12:33

Tgt Ion:105 Resp: 78575

Ion Ratio Lower Upper

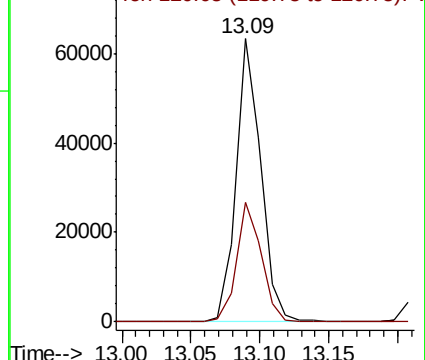
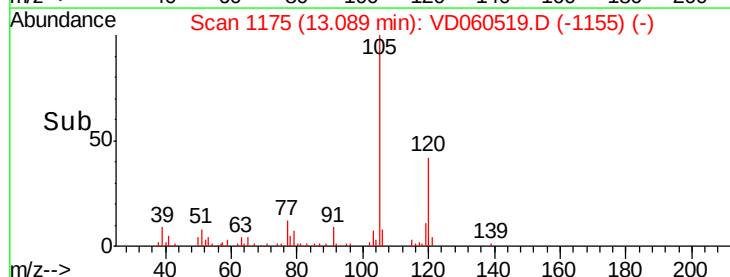
105 100

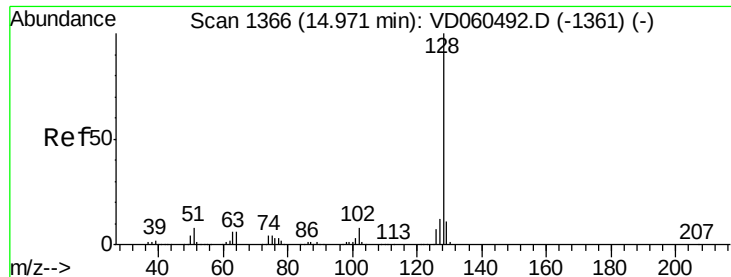
120 42.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95
Naphthalene
Concen: 2.604 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060519.D
Acq: 10 Dec 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	11.2	8.6	13.0

