

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
 Data File : VD060693.D
 Acq On : 21 Dec 2018 19:35
 Operator : VA/AP
 Sample : J6461-01
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NCC-KEARNY-TOPSOIL

Quant Time: Dec 21 22:29:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	32801	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.48	114	54334	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.31	117	52085	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	18235	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	42005	185.31	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	370.62%	
35) Dibromofluoromethane	6.36	113	37148	93.41	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	186.82%	
50) Toluene-d8	9.49	98	53844	45.38	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	12.45	95	19639	47.26	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	94.52%	

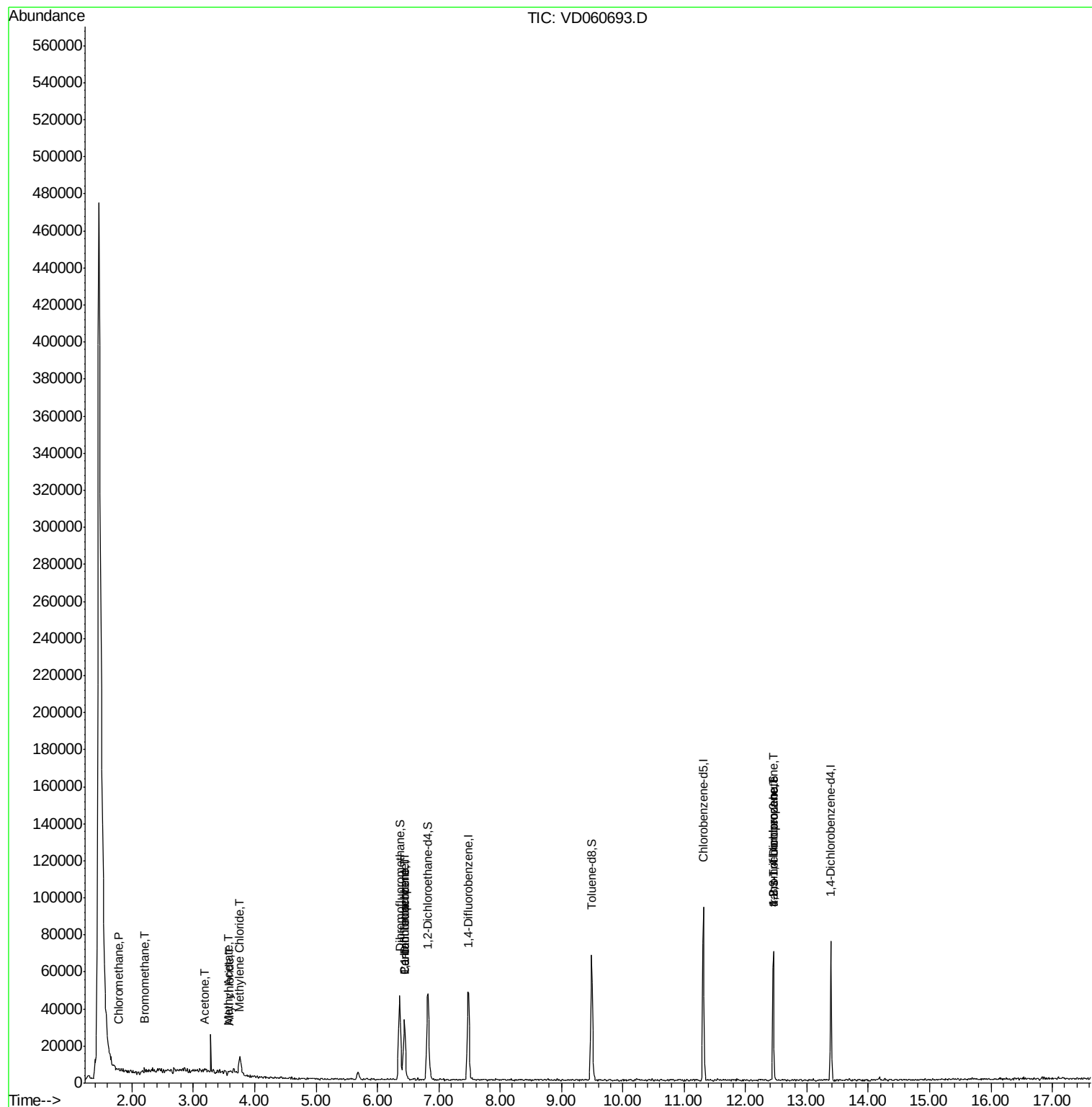
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.78	50	798	2.069	ug/l #	41
5) Bromomethane	2.20	94	2511	36.605	ug/l #	2
14) Allyl chloride	3.59	41	601	1.804	ug/l #	61
16) Acetone	3.18	43	3485	88.036	ug/l #	53
18) Methyl Acetate	3.56	43	709	7.227	ug/l #	63
20) Methylene Chloride	3.75	84	5812	14.137	ug/l #	87
36) 1,1-Dichloropropene	6.44	75	1922	3.435	ug/l #	40
38) Carbon Tetrachloride	6.44	117	2104	4.263	ug/l #	12
76) 1,2,3-Trichloropropane	12.45	75	8519	41.035	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.45	75	8520	148.521	ug/l #	13

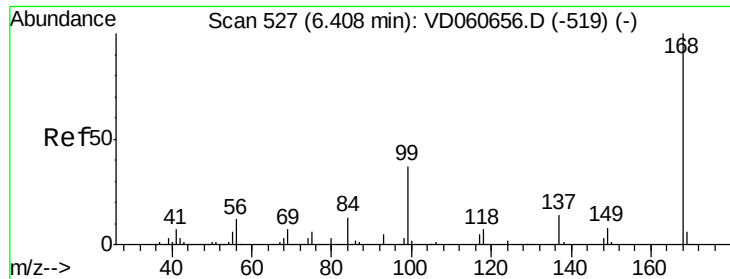
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060693.D

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Instrument :

MSVOA_D

ClientSampleId :

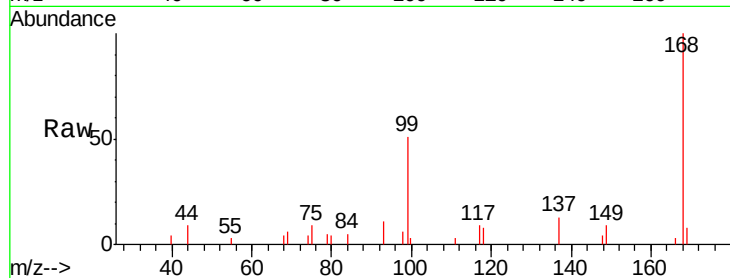
NCC-KEARNY-TOPSOIL

Tgt Ion:168 Resp: 32801

Ion Ratio Lower Upper

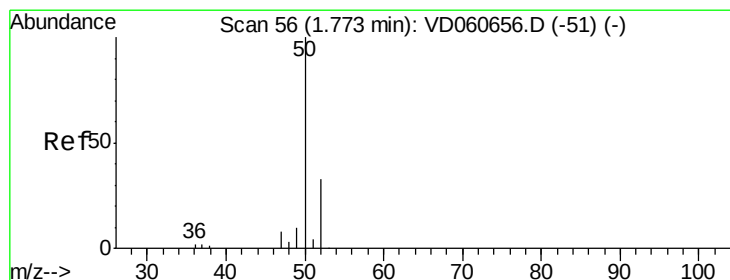
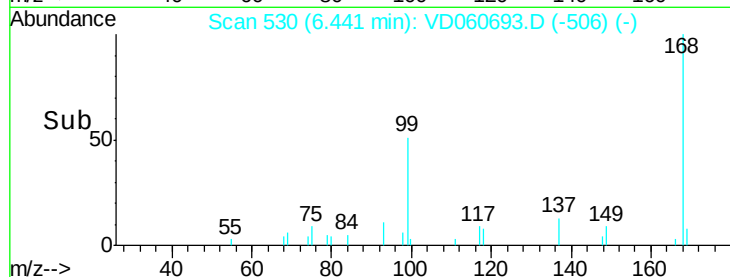
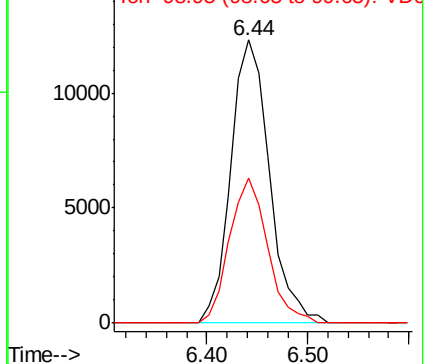
168 100

99 51.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 2.069 ug/l

RT: 1.78 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060693.D

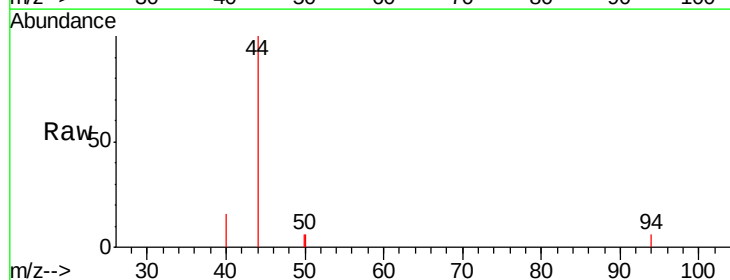
Acq: 21 Dec 2018 19:35

Tgt Ion: 50 Resp: 798

Ion Ratio Lower Upper

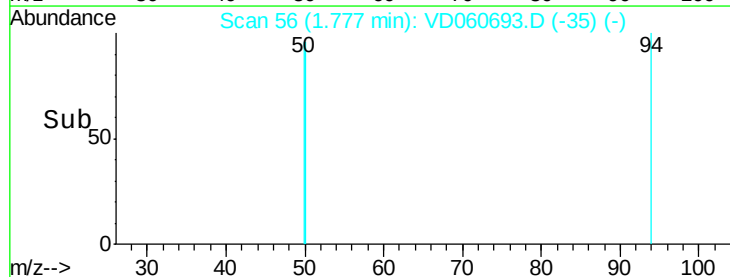
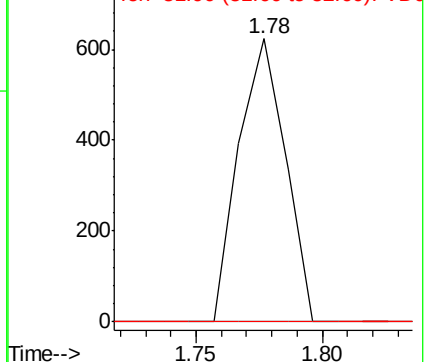
50 100

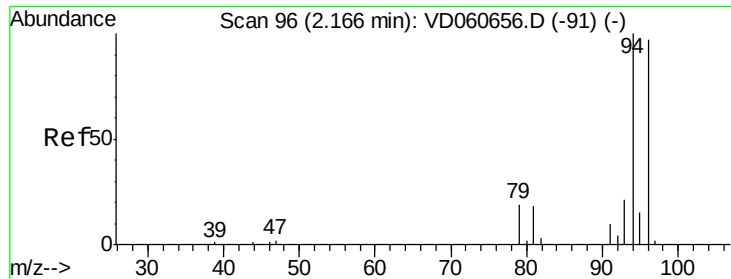
52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 36.605 ug/l

RT: 2.20 min Scan# 99

Delta R.T. 0.03 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

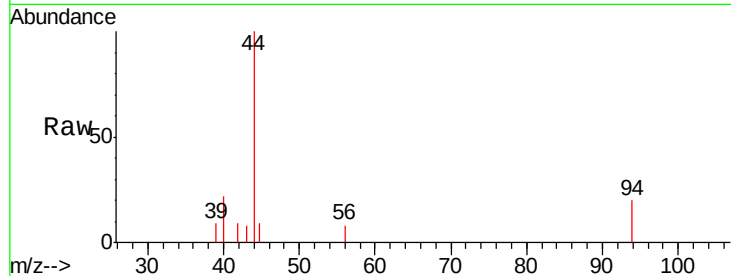
NCC-KEARNY-TOPSOIL

Tgt Ion: 94 Resp: 2511

Ion Ratio Lower Upper

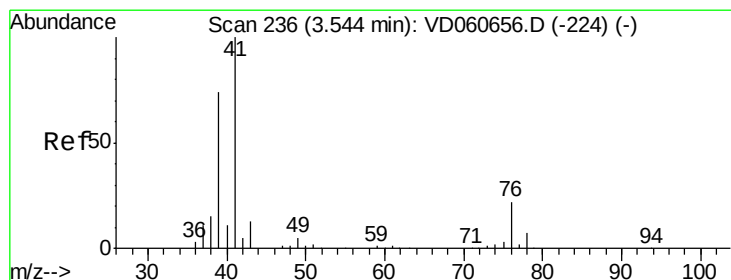
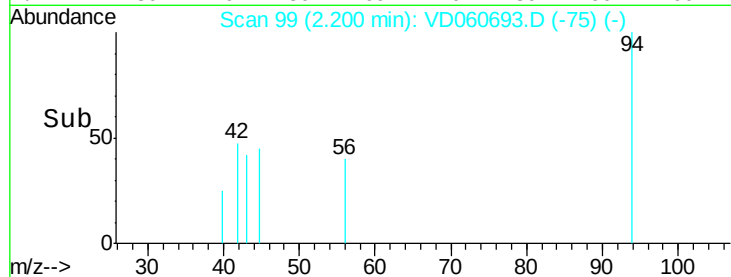
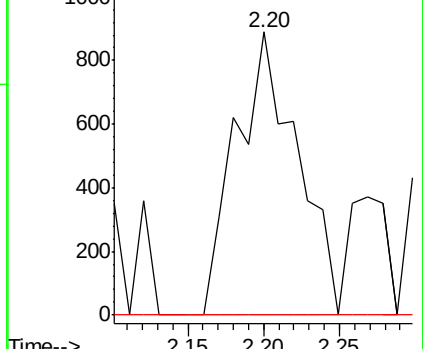
94 100

96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#14

Allyl chloride

Concen: 1.804 ug/l

RT: 3.59 min Scan# 240

Delta R.T. 0.04 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

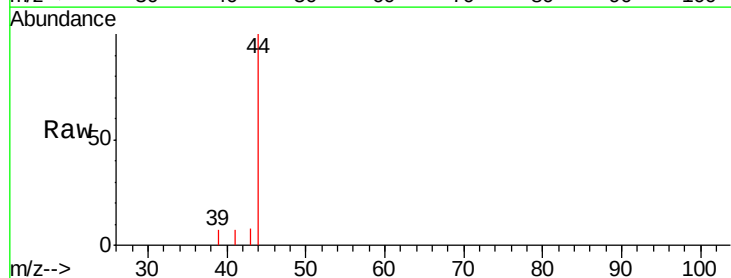
Tgt Ion: 41 Resp: 601

Ion Ratio Lower Upper

41 100

39 103.6 59.6 89.4#

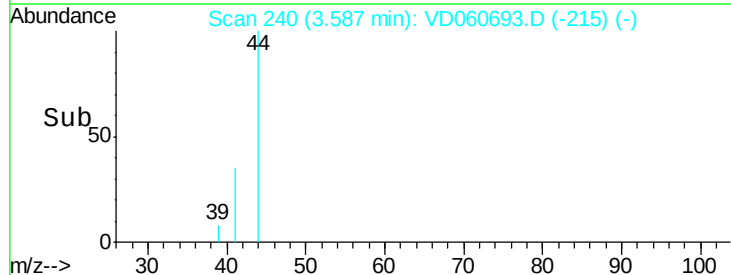
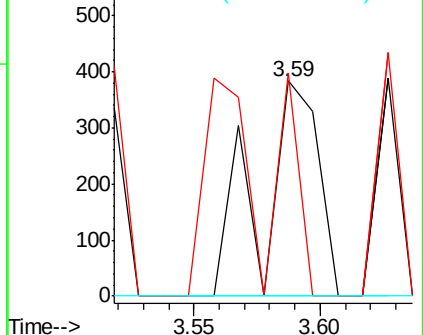
76 0.0 21.8 32.6#

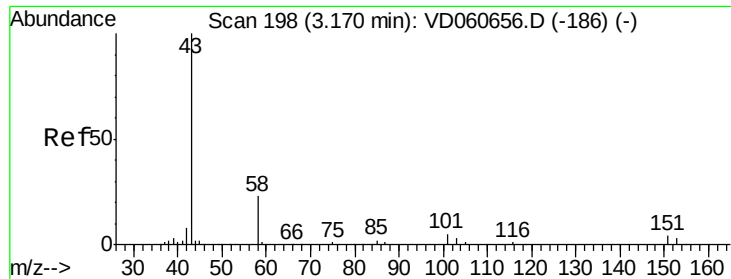


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 88.036 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

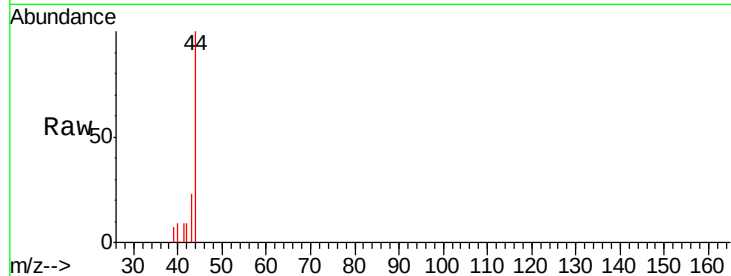
NCC-KEARNY-TOPSOIL

Tgt Ion: 43 Resp: 3485

Ion Ratio Lower Upper

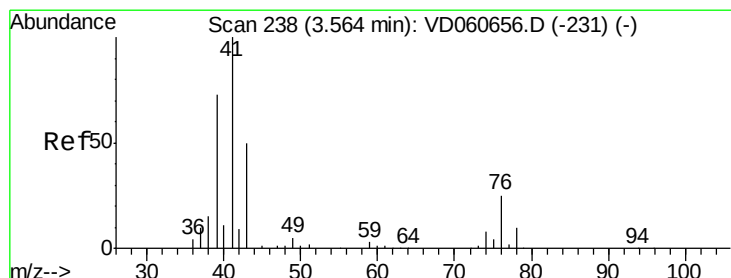
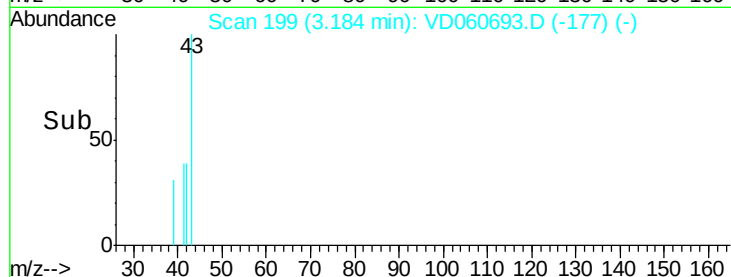
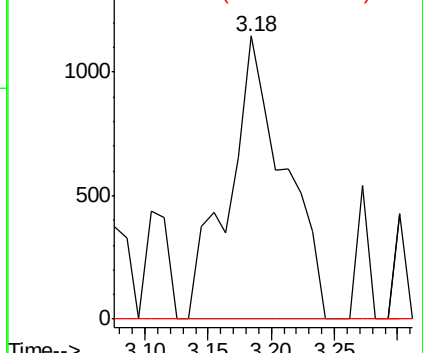
43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 7.227 ug/l

RT: 3.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD060693.D

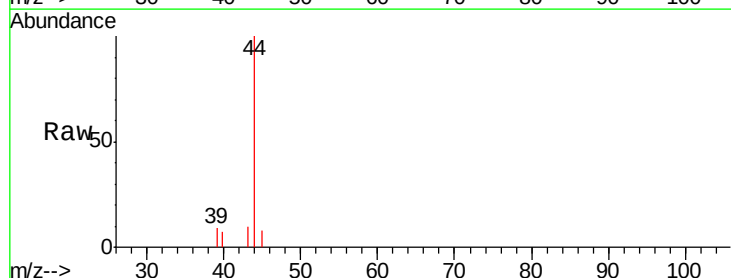
Acq: 21 Dec 2018 19:35

Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

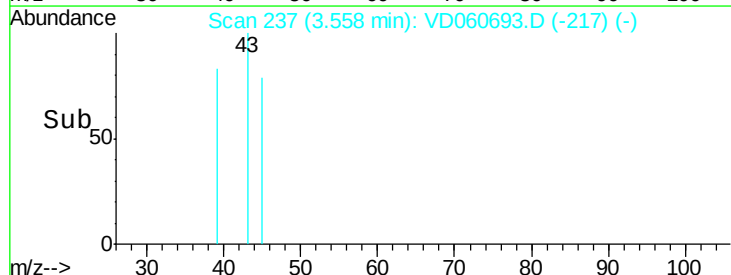
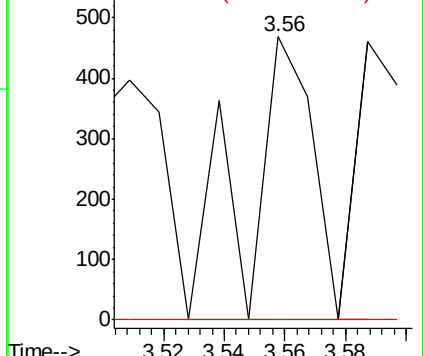
43 100

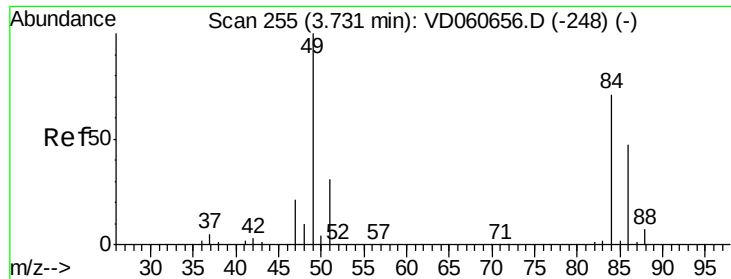
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

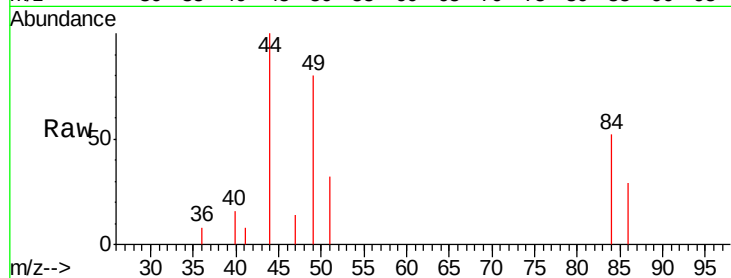




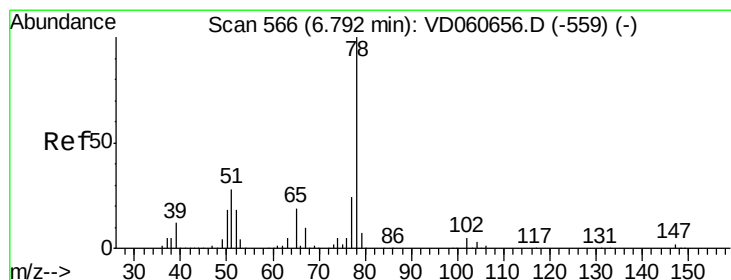
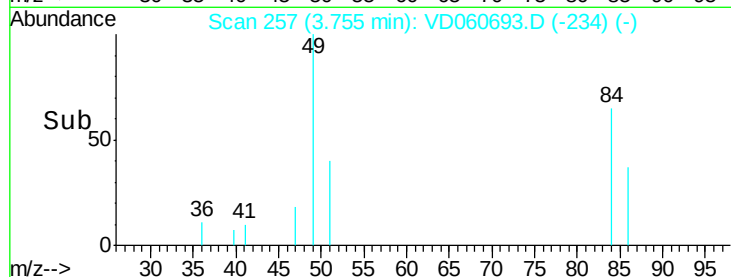
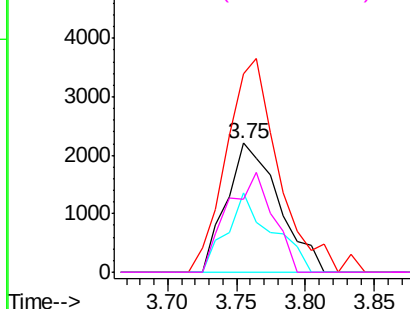
#20
Methylene Chloride
Concen: 14.137 ug/l
RT: 3.75 min Scan# 257
Delta R.T. 0.02 min
Lab File: VD060693.D
Acq: 21 Dec 2018 19:35

Instrument :
MSVOA_D
ClientSampleId :
NCC-KEARNY-TOPSOIL

Tgt Ion: 84 Resp: 5812
Ion Ratio Lower Upper
84 100
49 153.5 113.6 170.4
51 61.9 34.7 52.1#
86 56.1 52.8 79.2

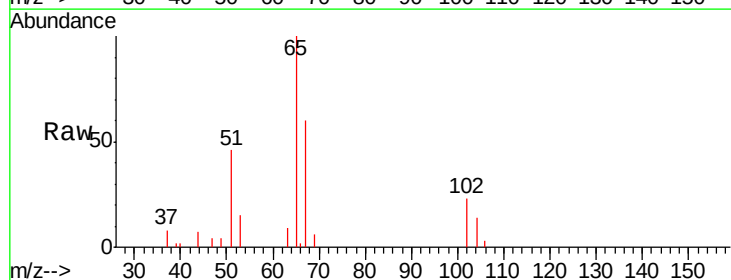


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

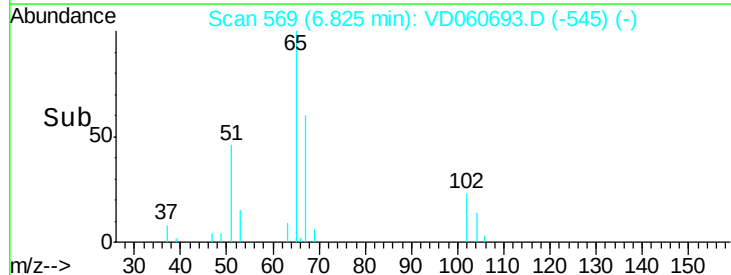
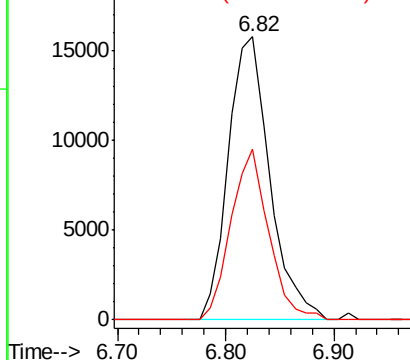


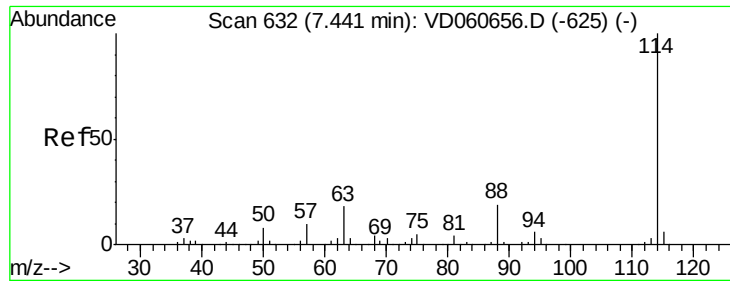
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060693.D
Acq: 21 Dec 2018 19:35

Tgt Ion: 65 Resp: 42005
Ion Ratio Lower Upper
65 100
67 60.5 0.0 105.4



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: 7.48 min Scan# 636

Delta R.T. 0.04 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

NCC-KEARNY-TOPSOIL

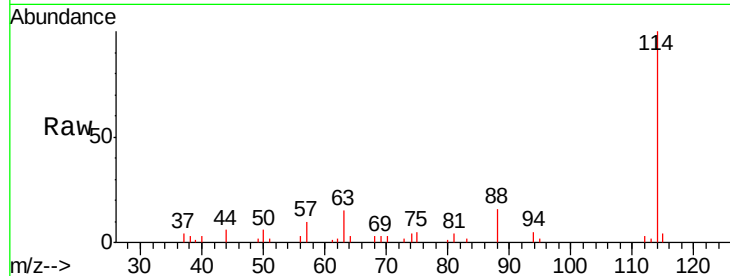
Tgt Ion:114 Resp: 54334

Ion Ratio Lower Upper

114 100

63 15.2 0.0 36.2

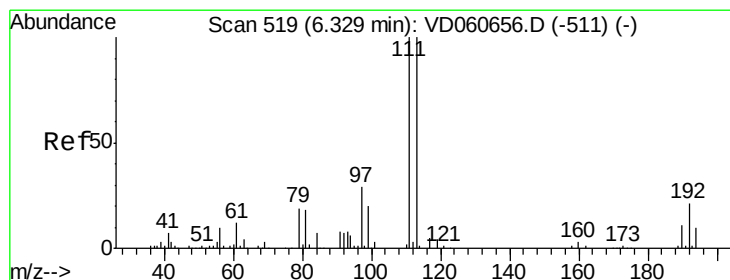
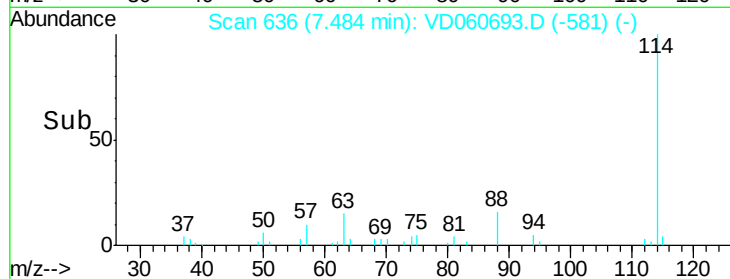
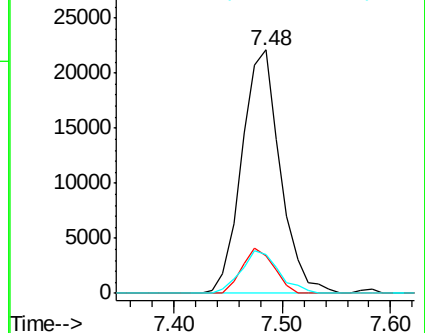
88 16.1 0.0 37.0



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: 50.000 ug/l

RT: 6.36 min Scan# 522

Delta R.T. 0.03 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

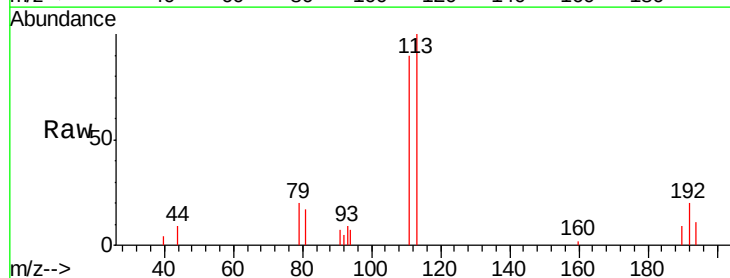
Tgt Ion:113 Resp: 37148

Ion Ratio Lower Upper

113 100

111 89.5 80.0 120.0

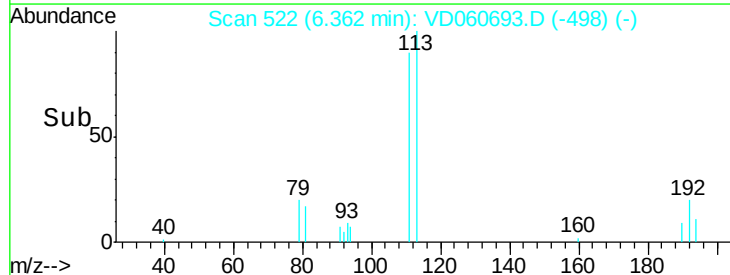
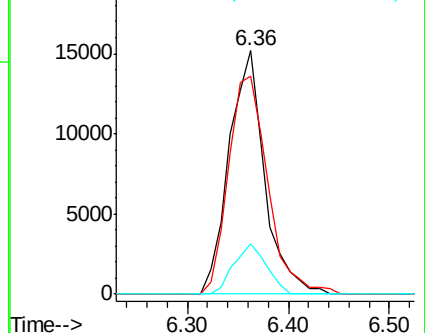
192 20.5 16.6 25.0

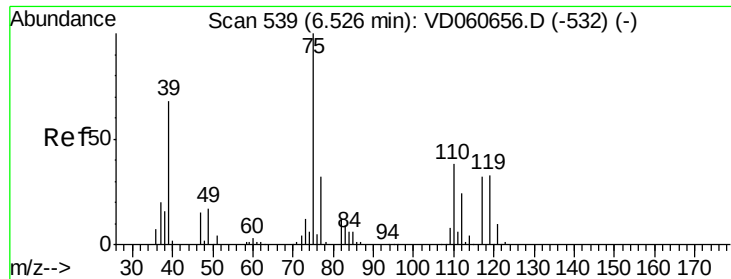


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

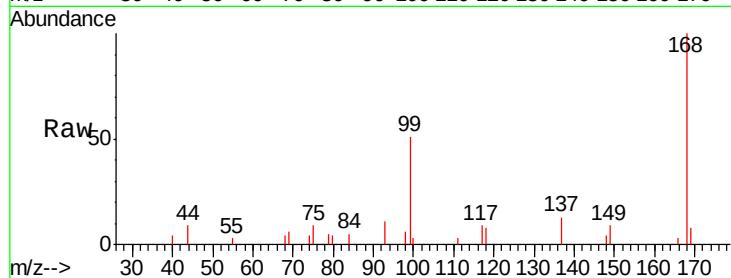




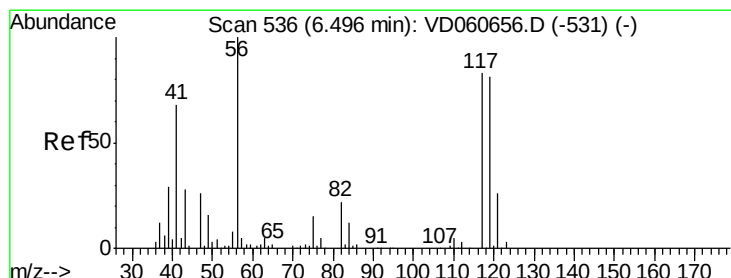
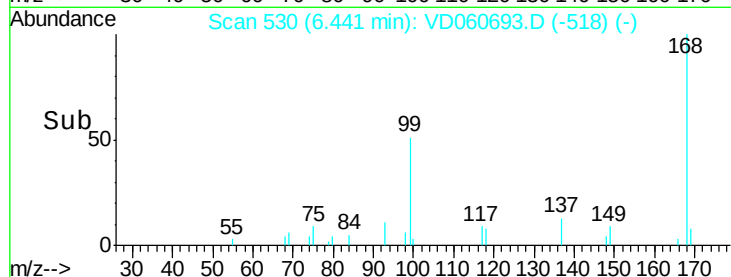
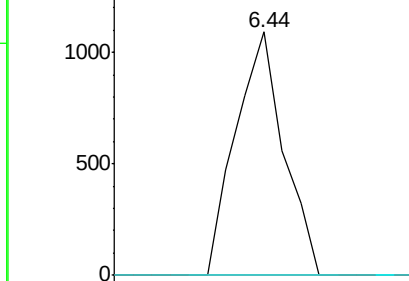
#36
 1,1-Dichloropropene
 Concen: 3.435 ug/l
 RT: 6.44 min Scan# 530
 Delta R.T. -0.08 min
 Lab File: VD060693.D
 Acq: 21 Dec 2018 19:35

Instrument :
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 NCC-KEARNY-TOPSOIL

Tgt Ion: 75 Resp: 1922
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.9 56.7#
 77 0.0 25.4 38.0#

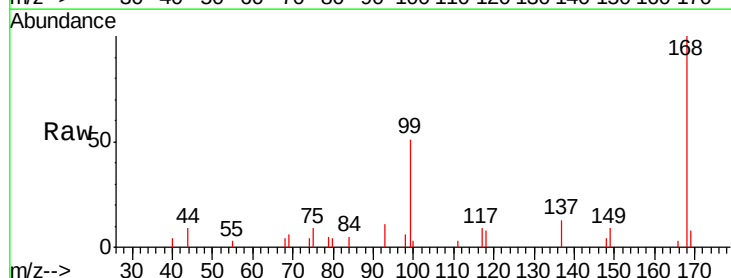


Abundance Ion 75.00 (74.70 to 75.70): V
 1500 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

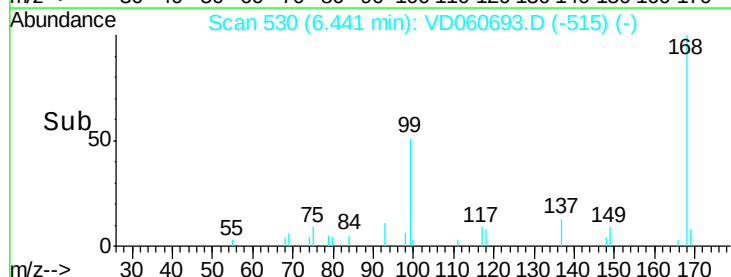
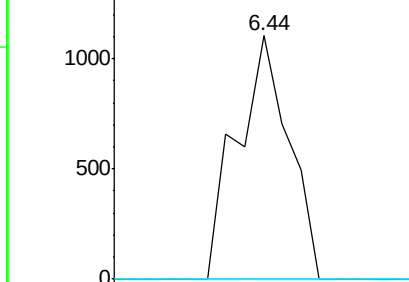


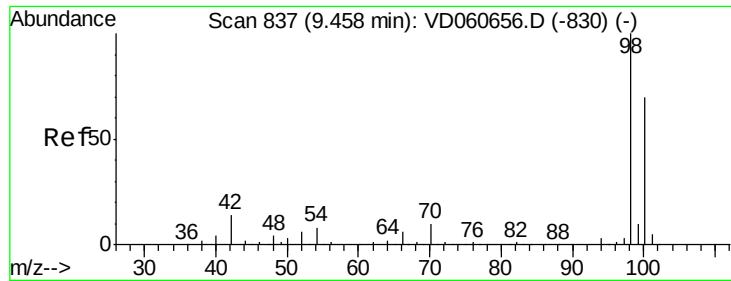
#38
 Carbon Tetrachloride
 Concen: 4.263 ug/l
 RT: 6.44 min Scan# 530
 Delta R.T. -0.06 min
 Lab File: VD060693.D
 Acq: 21 Dec 2018 19:35

Tgt Ion: 117 Resp: 2104
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.0 115.4#
 121 0.0 24.7 37.1#



Abundance Ion 116.85 (116.55 to 117.55): V
 1500 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: 9.49 min Scan# 840

Delta R.T. 0.03 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

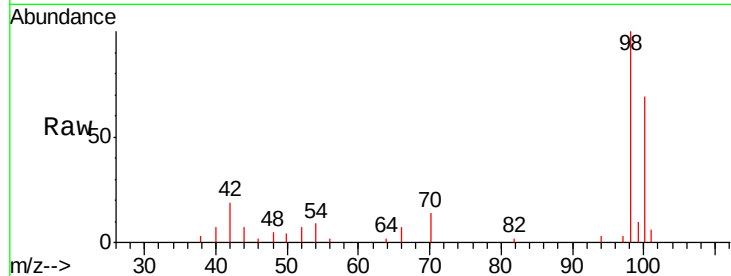
NCC-KEARNY-TOPSOIL

Tgt Ion: 98 Resp: 53844

Ion Ratio Lower Upper

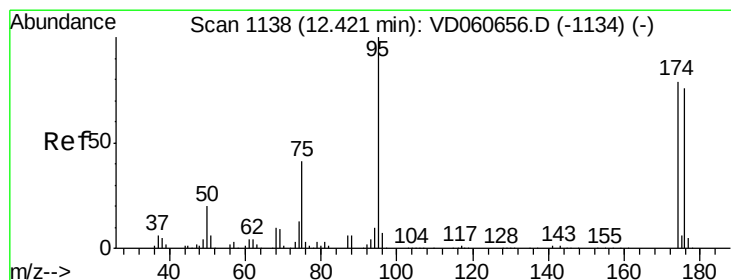
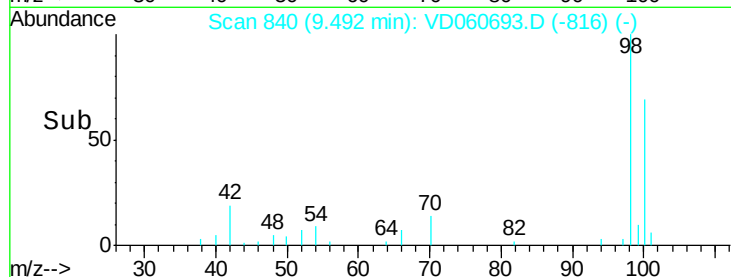
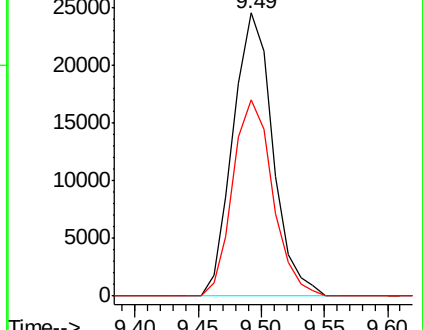
98 100

100 69.2 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VD060656.D (-830) (-)

Ion 100.05 (99.75 to 100.75): VD060656.D (-830) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.03 min

Lab File: VD060693.D

Acq: 21 Dec 2018 19:35

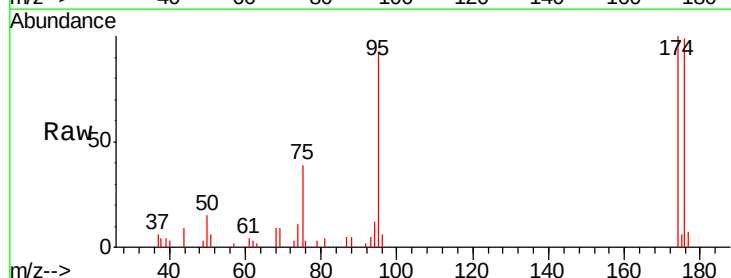
Tgt Ion: 95 Resp: 19639

Ion Ratio Lower Upper

95 100

174 108.8 0.0 158.2

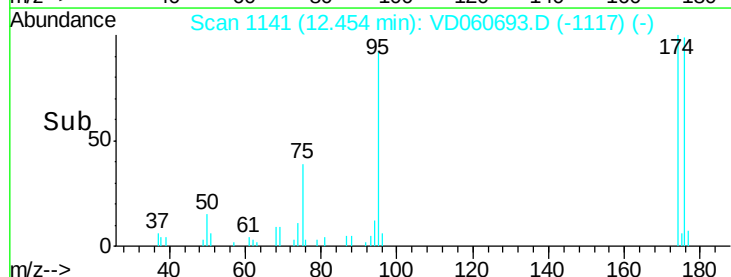
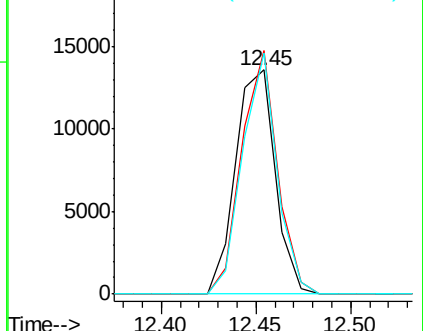
176 107.8 0.0 152.4

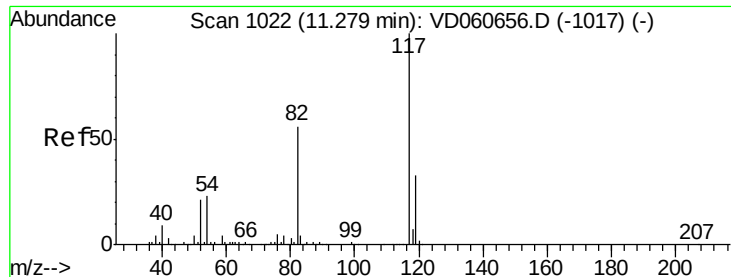


Abundance Ion 95.00 (94.70 to 95.70): VD060656.D (-1134) (-)

Ion 173.90 (173.60 to 174.60): VD060656.D (-1134) (-)

Ion 175.90 (175.60 to 176.60): VD060656.D (-1134) (-)

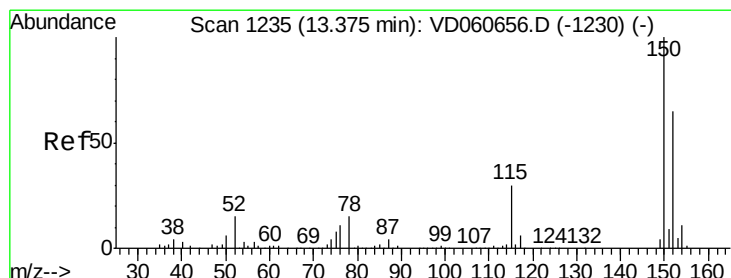
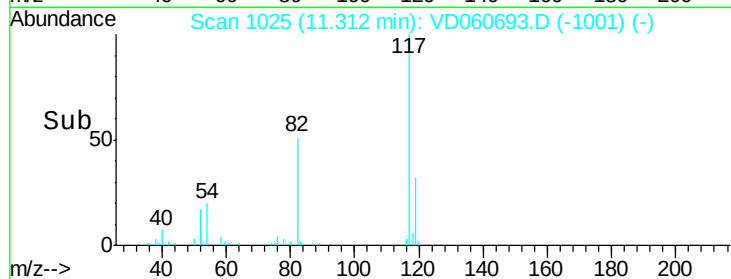
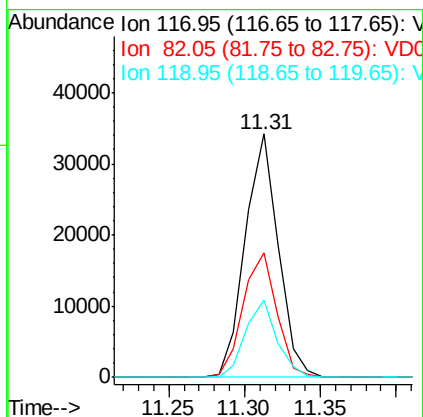
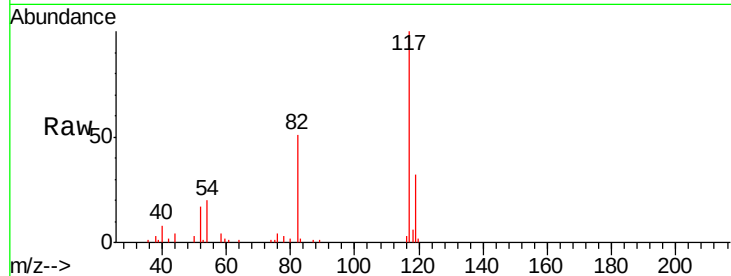




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VD060693.D
Acq: 21 Dec 2018 19:35

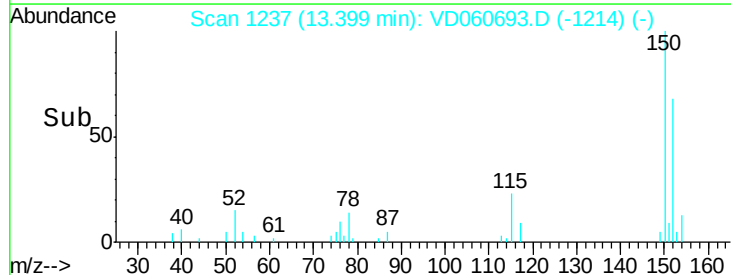
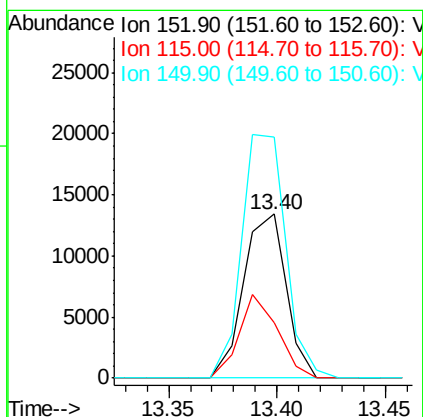
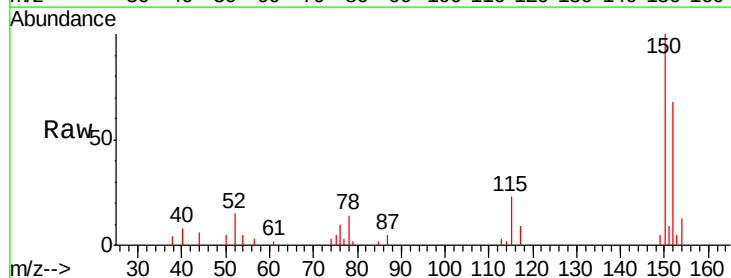
Instrument :
MSVOA_D
ClientSampleId :
NCC-KEARNY-TOPSOIL

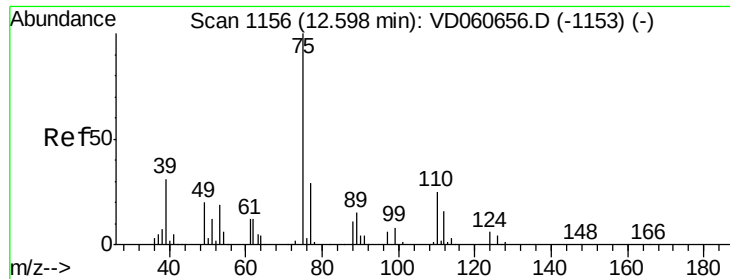
Tgt Ion:117 Resp: 52085
Ion Ratio Lower Upper
117 100
82 51.3 44.5 66.7
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060693.D
Acq: 21 Dec 2018 19:35

Tgt Ion:152 Resp: 18235
Ion Ratio Lower Upper
152 100
115 34.0 24.1 72.3
150 146.8 0.0 315.0

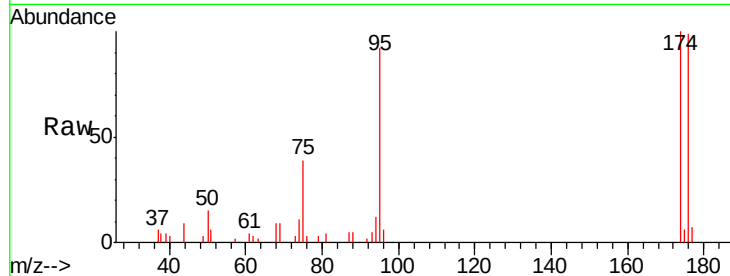




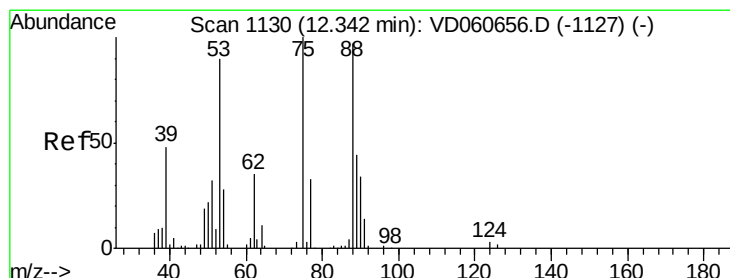
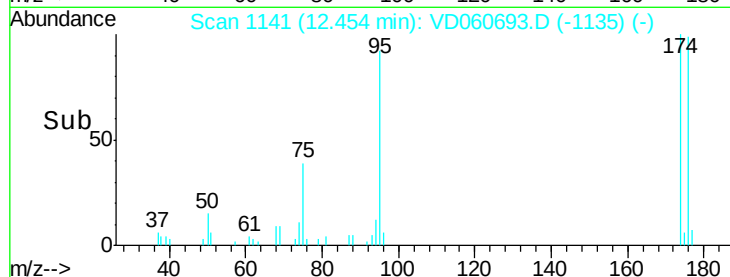
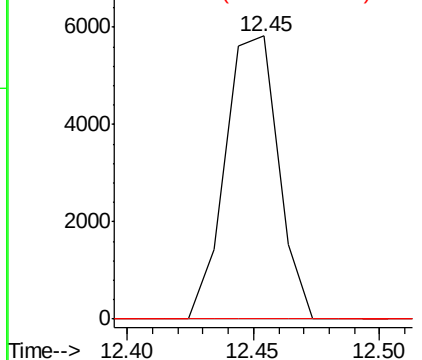
#76
 1,2,3-Trichloropropane
 Concen: 41.035 ug/l
 RT: 12.45 min Scan# 1141
 Delta R.T. -0.14 min
 Lab File: VD060693.D
 Acq: 21 Dec 2018 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 NCC-KEARNY-TOPSOIL

Tgt Ion: 75 Resp: 8519
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.7 50.0#

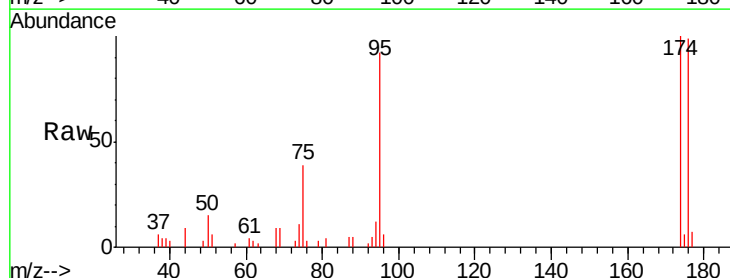


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.521 ug/l
 RT: 12.45 min Scan# 1141
 Delta R.T. 0.11 min
 Lab File: VD060693.D
 Acq: 21 Dec 2018 19:35

Tgt Ion: 75 Resp: 8520
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.1 108.1#
 89 0.0 35.1 52.7#



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

