

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066729.D
 Acq On : 16 Sep 2020 19:38
 Operator : VA/SY
 Sample : L4034-01
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-SP-MH-C01-MH-J09-01

Quant Time: Sep 17 00:52:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	645696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	241256	63.25	ug/l	0.00
Spiked Amount			Recovery	=	126.50%	
35) Dibromofluoromethane	7.91	113	230743	55.77	ug/l	0.00
Spiked Amount			Recovery	=	111.54%	
50) Toluene-d8	10.34	98	828314	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	
62) 4-Bromofluorobenzene	12.63	95	276564	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	

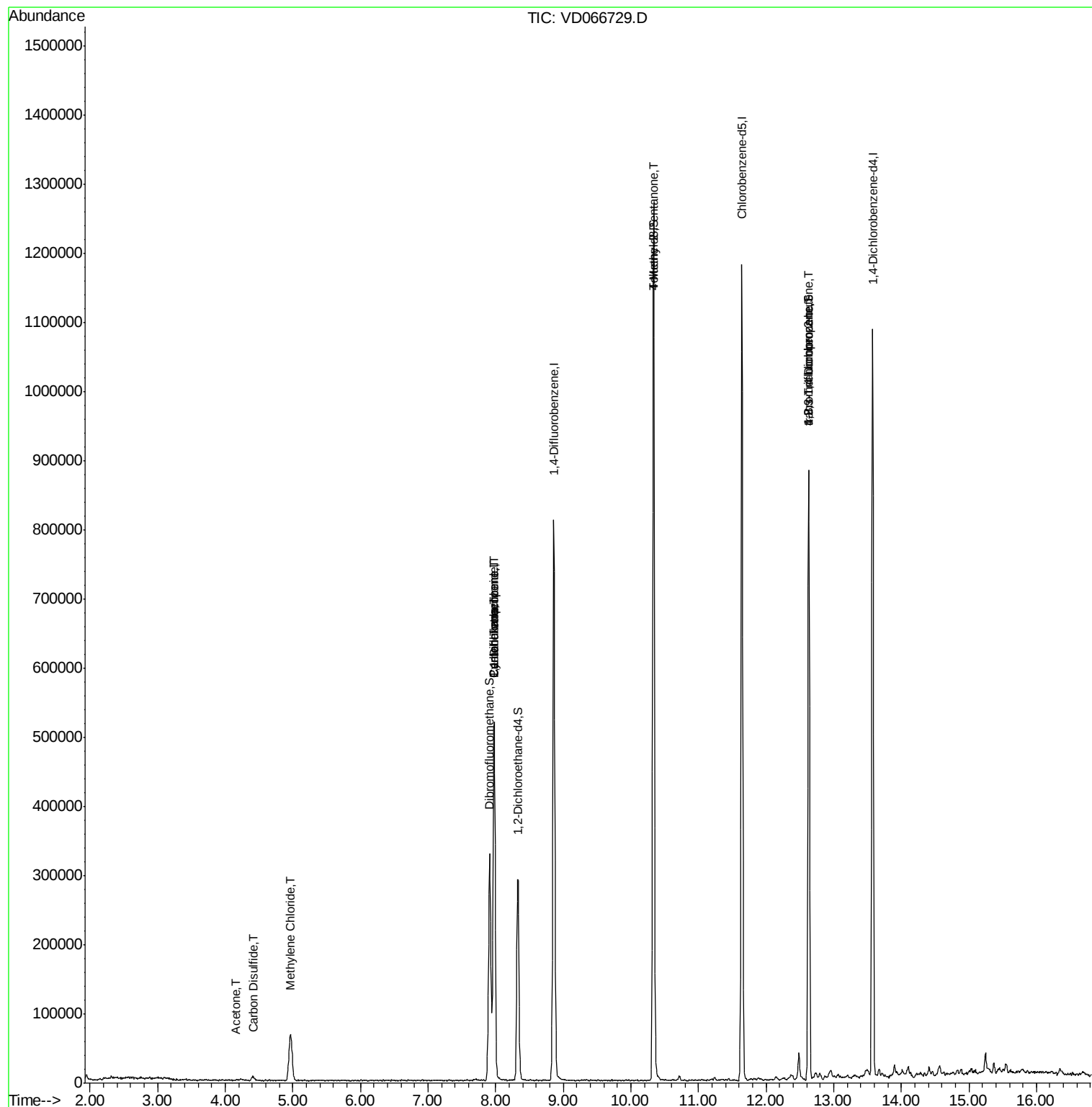
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	142	Below Cal	#	43
16) Acetone	4.17	43	2423	3.119	ug/l #	87
17) Carbon Disulfide	4.42	76	12512	1.113	ug/l #	91
18) Methyl Acetate	4.74	43	177	Below Cal	#	52
20) Methylene Chloride	4.97	84	53072	6.271	ug/l	89
31) Cyclohexane	7.98	56	9192	1.364	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	32701	4.713	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40939	5.556	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	4234	1.663	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	154998	66.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	154998	143.438	ug/l #	8

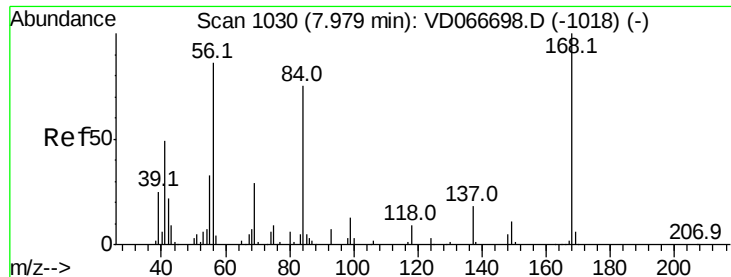
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

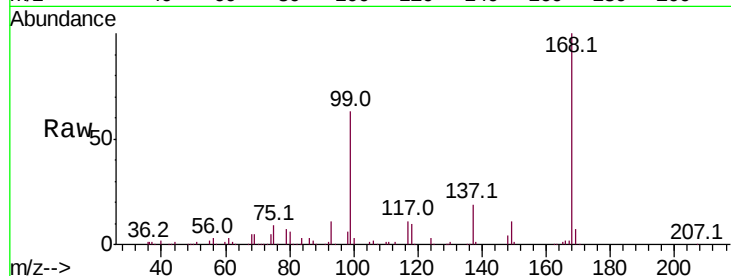
SOIL-SP-MH-C01-MH-J09-01

Tot Ion:168 Resp: 357528

Ion Ratio Lower Upper

168 100

99 62.6 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

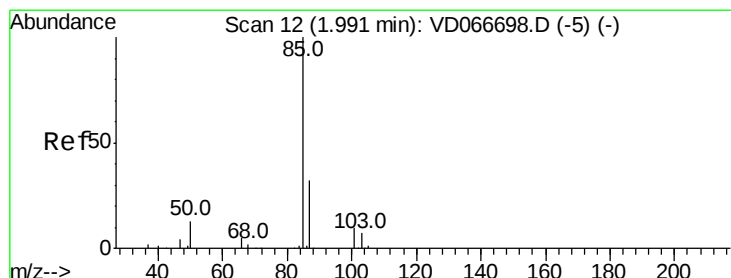
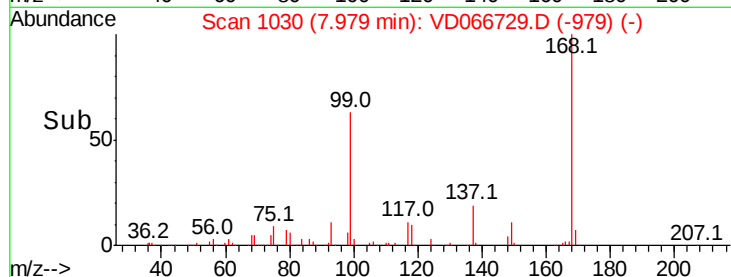
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066729.D

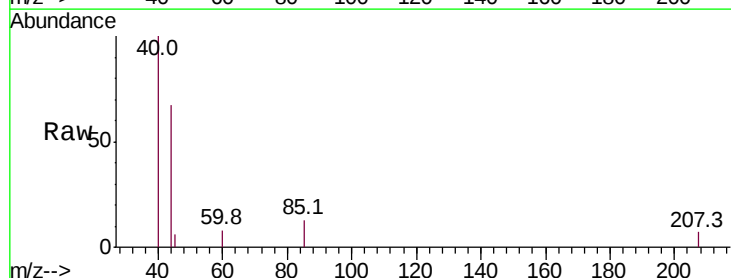
Acq: 16 Sep 2020 19:38

Tgt Ion: 85 Resp: 142

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

400

300

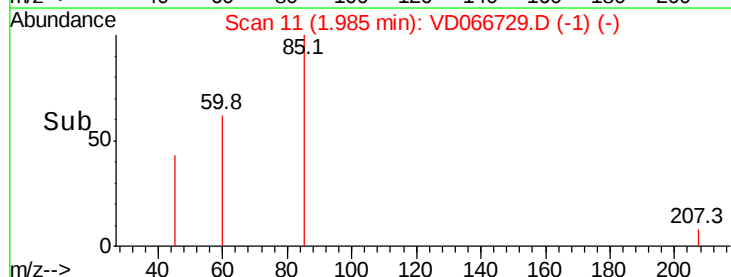
200

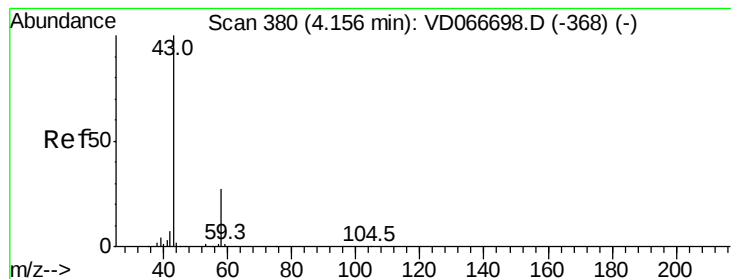
100

0

Time-->

1.97 1.98 1.99 2.00





#16

Acetone

Concen: 3.119 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

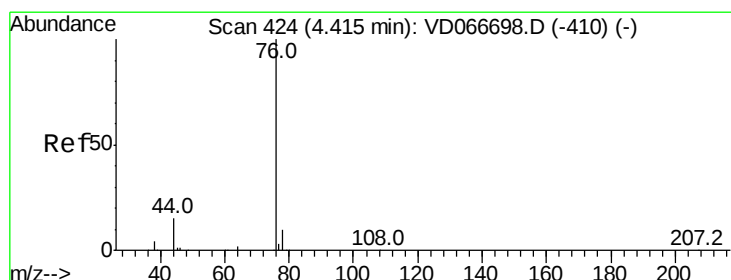
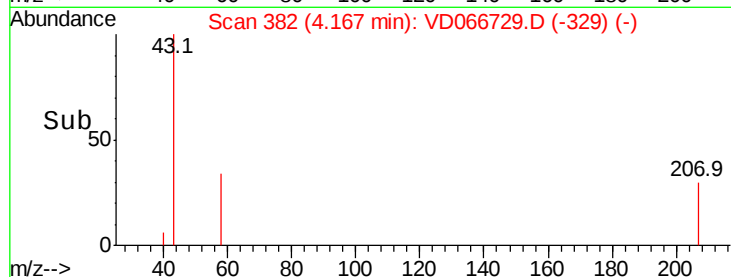
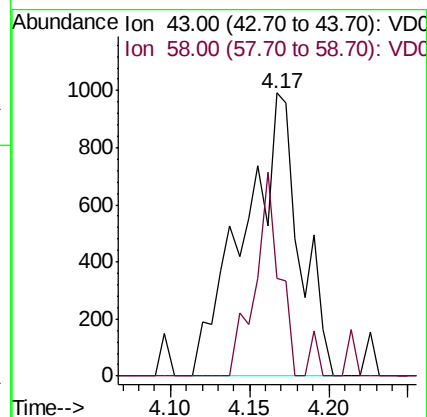
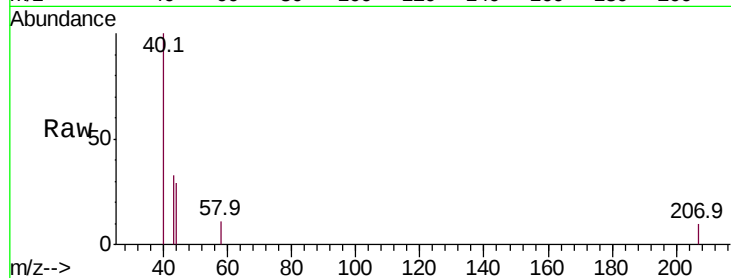
SOIL-SP-MH-C01-MH-J09-01

Tot Ion: 43 Resp: 2423

Ion Ratio Lower Upper

43 100

58 34.4 21.9 32.9#



#17

Carbon Disulfide

Concen: 1.113 ug/l

RT: 4.42 min Scan# 425

Delta R.T. 0.01 min

Lab File: VD066729.D

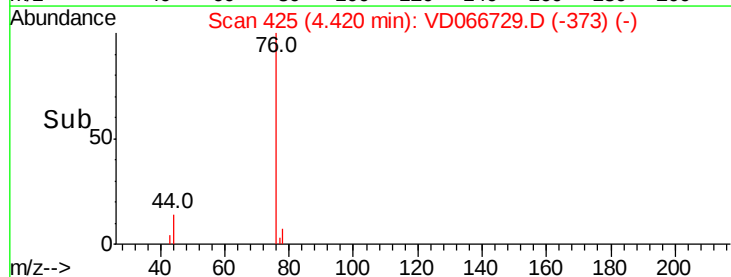
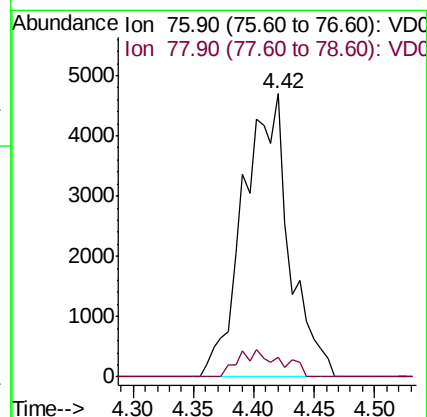
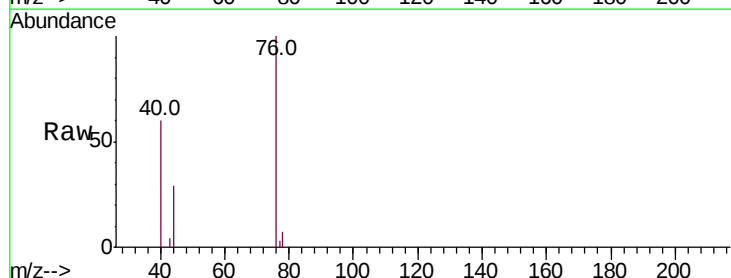
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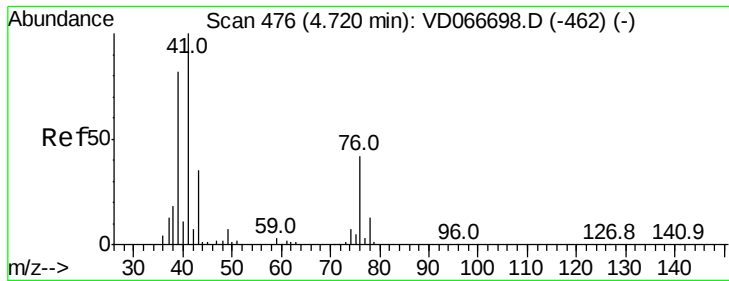
Tgt Ion: 76 Resp: 12512

Ion Ratio Lower Upper

76 100

78 6.8 8.0 12.0#

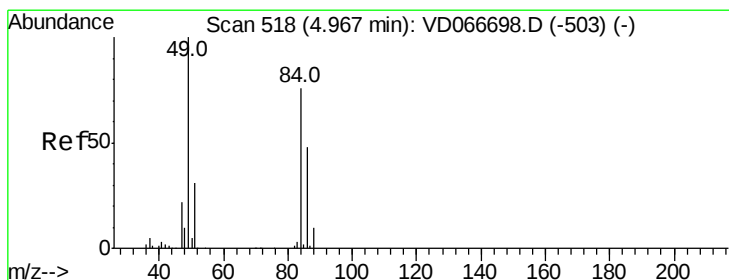
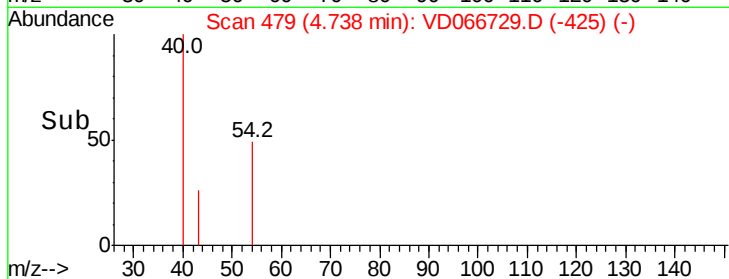
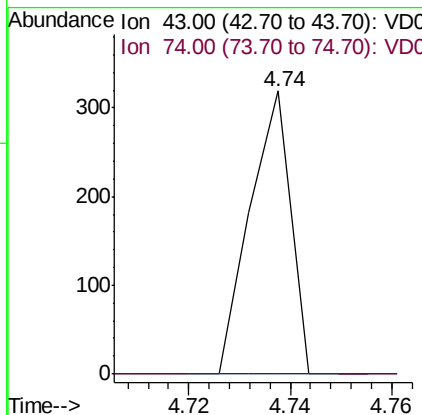
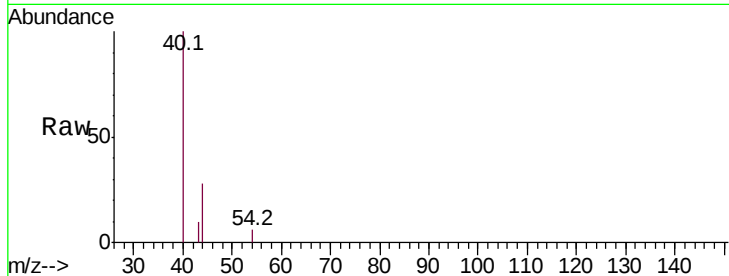




#18
Methyl Acetate
Concen: Below Cal
RT: 4.74 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD066729.D
Acq: 16 Sep 2020 19:38

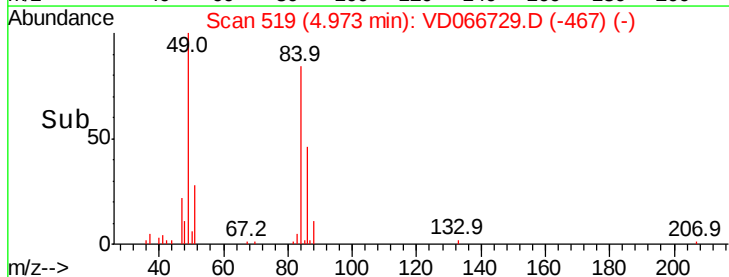
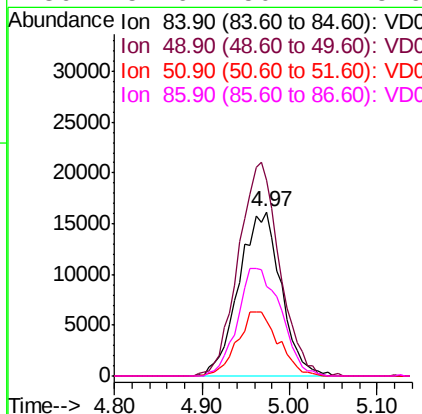
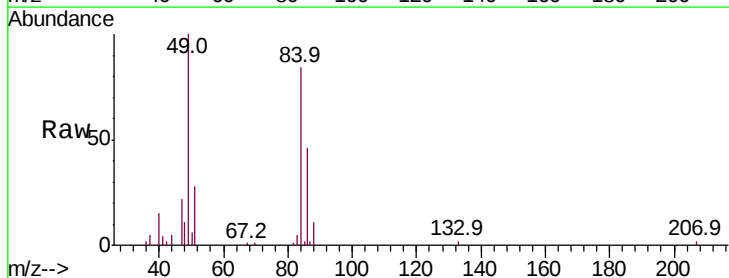
Instrument :
MSVOA_D
ClientSampleId :
SOIL-SP-MH-C01-MH-J09-01

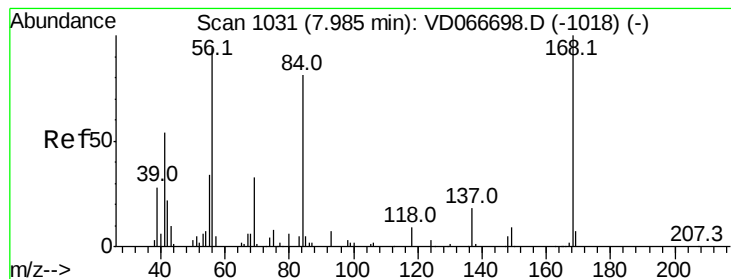
Tot Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 6.271 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066729.D
Acq: 16 Sep 2020 19:38

Tgt Ion: 84 Resp: 53072
Ion Ratio Lower Upper
84 100
49 119.3 105.0 157.6
51 33.5 32.2 48.4
86 54.6 50.4 75.6





#31

Cyclohexane

Concen: 1.364 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-SP-MH-C01-MH-J09-01

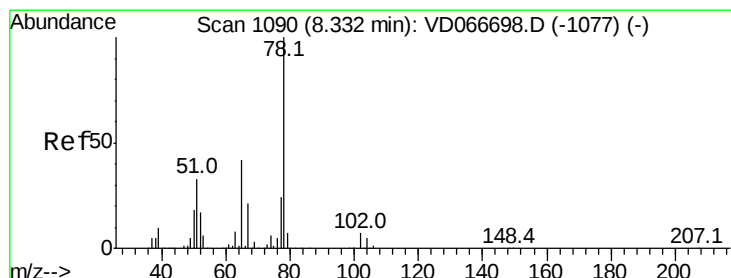
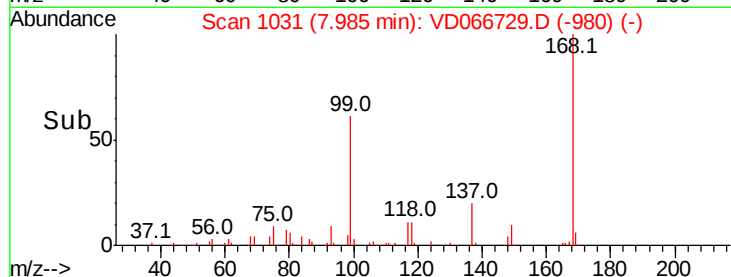
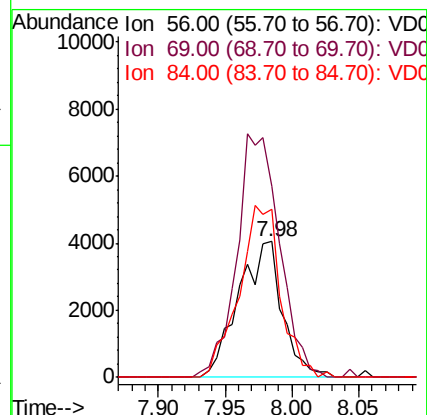
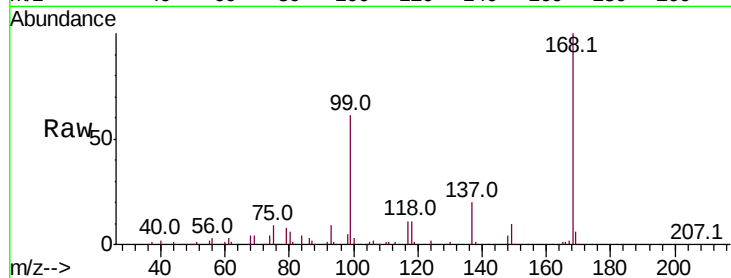
Tot Ion: 56 Resp: 9192

Ion Ratio Lower Upper

56 100

69 140.6 27.7 41.5#

84 123.3 68.5 102.7#



#33

1,2-Dichloroethane-d4

Concen: 63.245 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066729.D

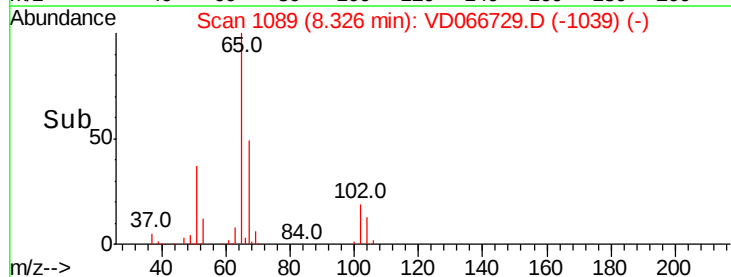
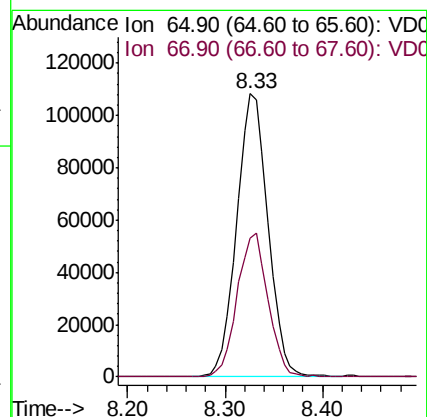
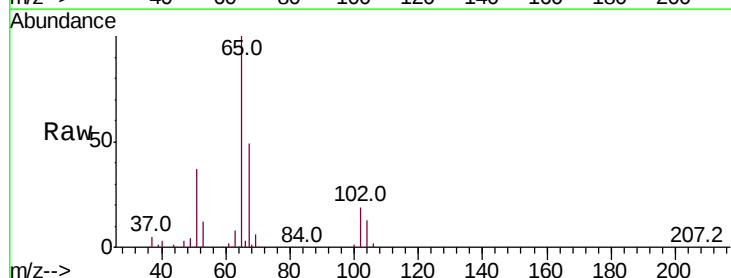
Acq: 16 Sep 2020 19:38

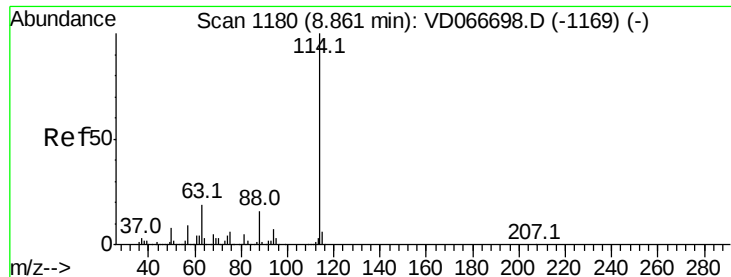
Tgt Ion: 65 Resp: 241256

Ion Ratio Lower Upper

65 100

67 50.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-SP-MH-C01-MH-J09-01

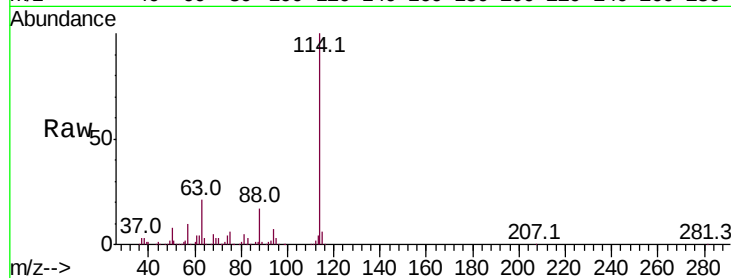
Tot Ion:114 Resp: 674864

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.6

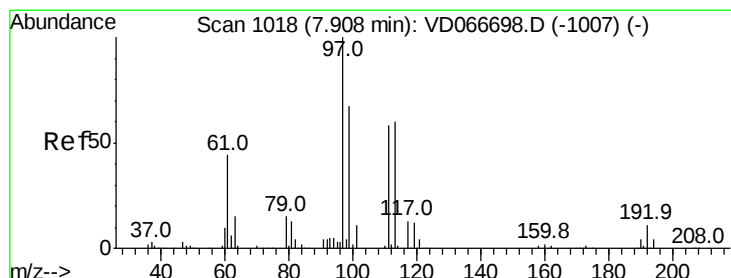
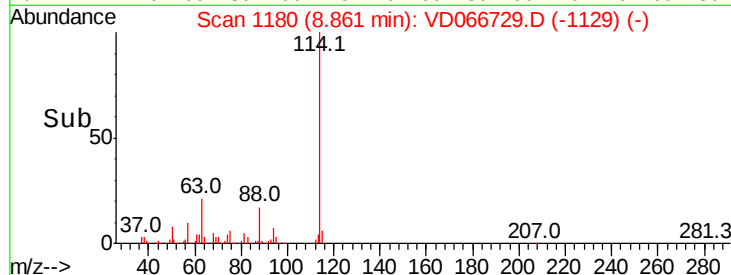
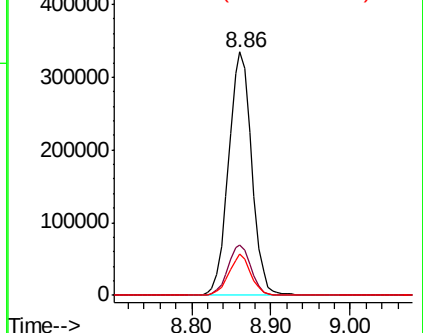
88 17.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 55.768 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

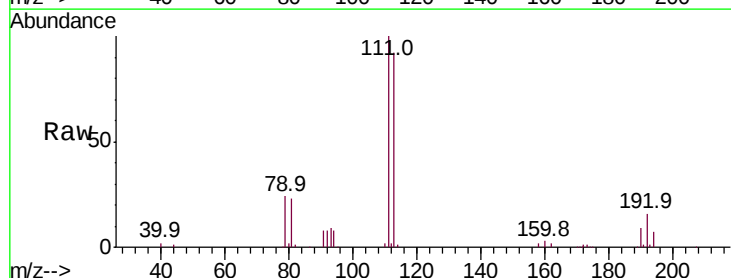
Tgt Ion:113 Resp: 230743

Ion Ratio Lower Upper

113 100

111 104.0 83.2 124.8

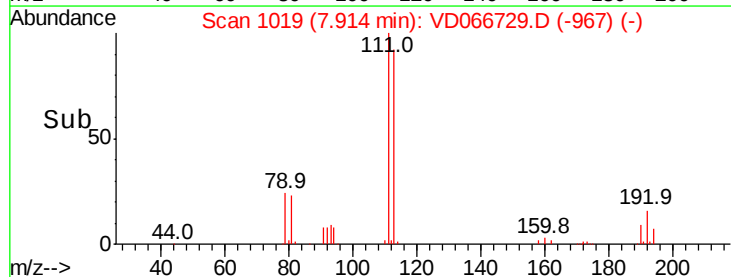
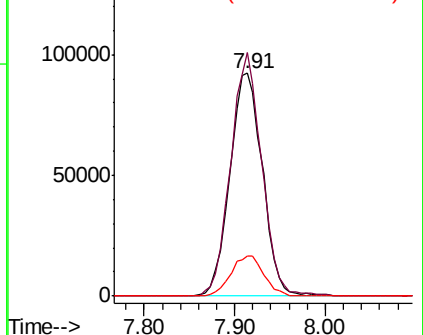
192 18.1 14.8 22.2

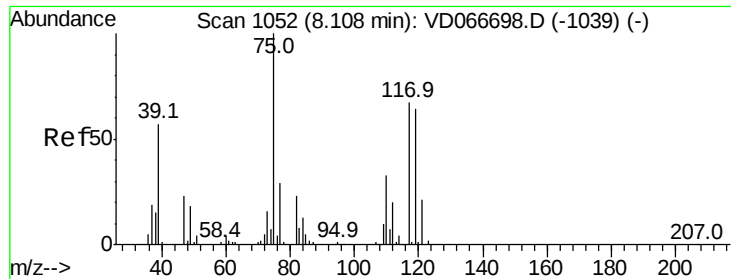


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

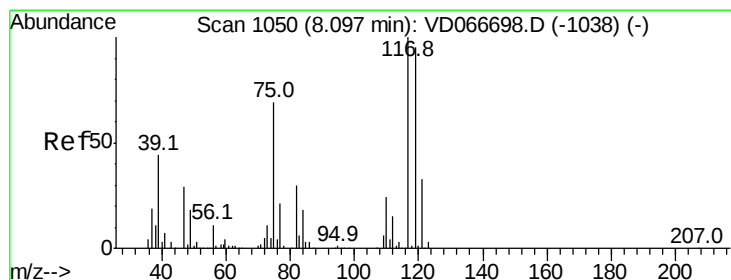
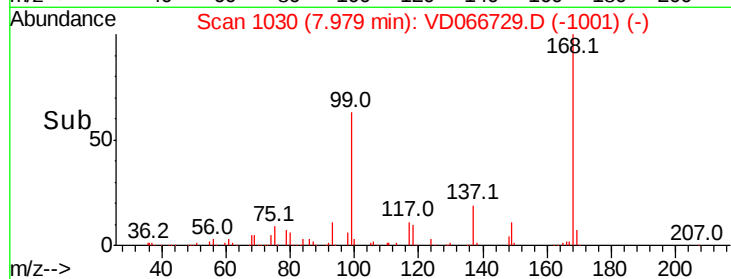
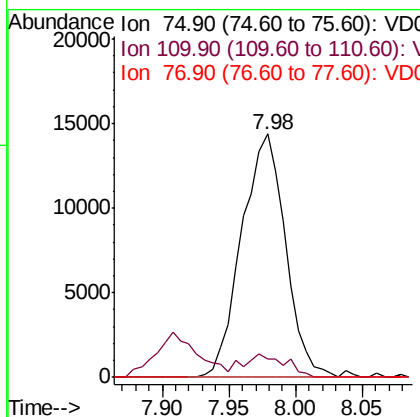
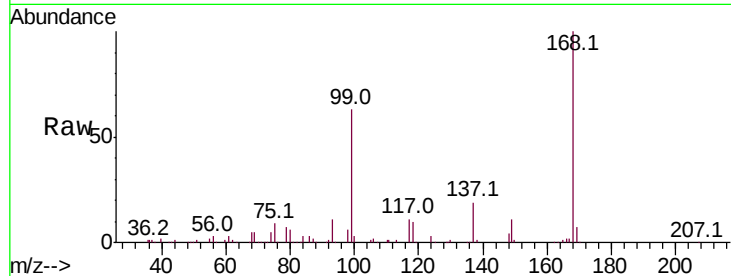




#36
 1,1-Dichloropropene
 Concen: 4.713 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066729.D
 Acq: 16 Sep 2020 19:38

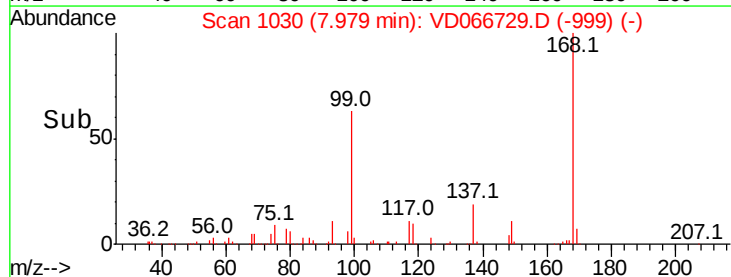
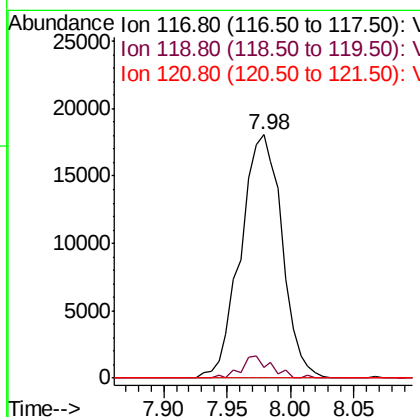
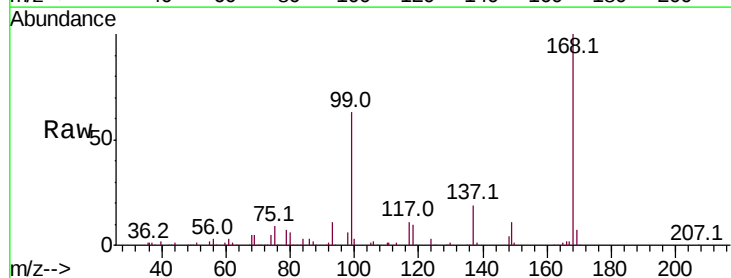
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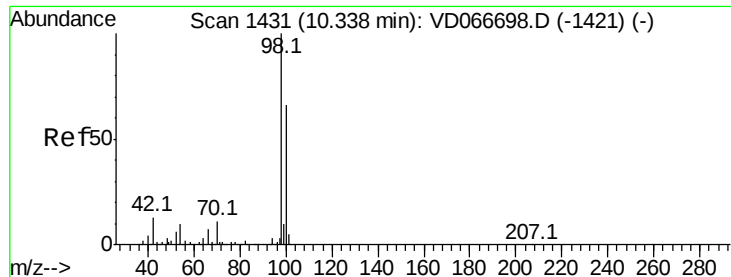
Tot Ion	75	110	77	Resp	Lower	Upper
75	100					
110	9.2	17.1				51.2#
77	0.0	25.0				37.6#



#38
 Carbon Tetrachloride
 Concen: 5.556 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066729.D
 Acq: 16 Sep 2020 19:38

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100					
119	4.3	75.8				113.6#
121	0.0	26.2				39.4#





#50

Toluene-d8

Concen: 56.191 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

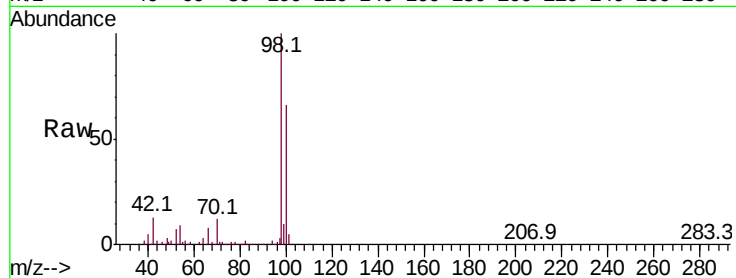
SOIL-SP-MH-C01-MH-J09-01

Tot Ion: 98 Resp: 828314

Ion Ratio Lower Upper

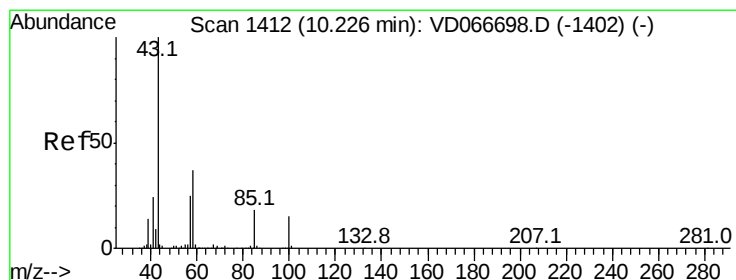
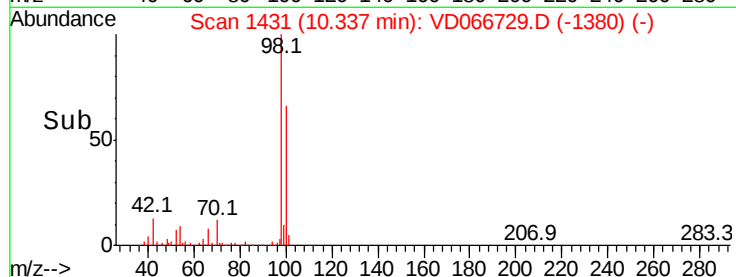
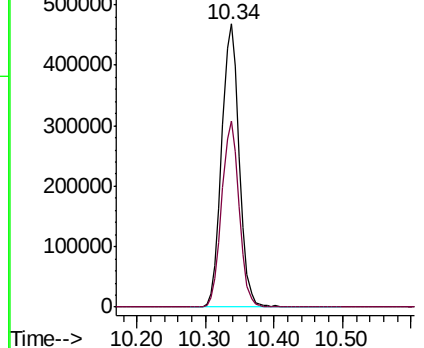
98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.663 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066729.D

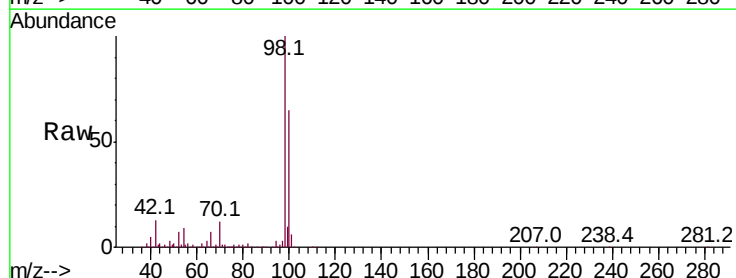
Acq: 16 Sep 2020 19:38

Tgt Ion: 43 Resp: 4234

Ion Ratio Lower Upper

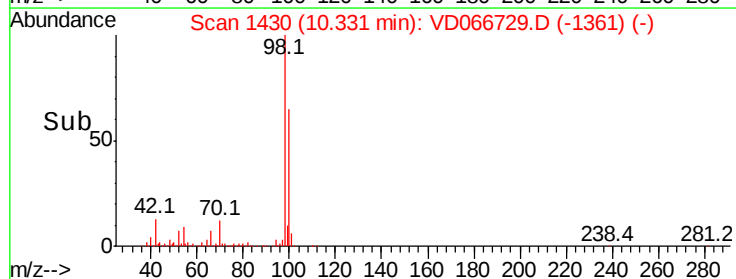
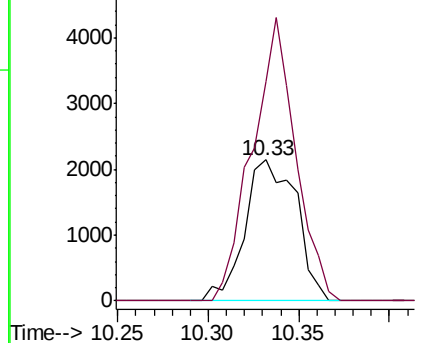
43 100

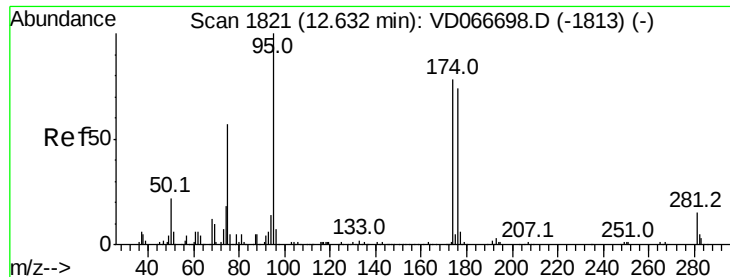
58 169.5 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

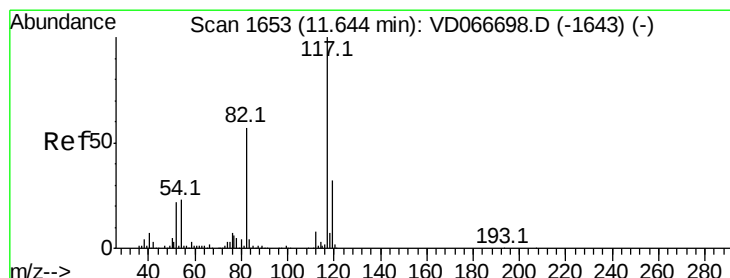
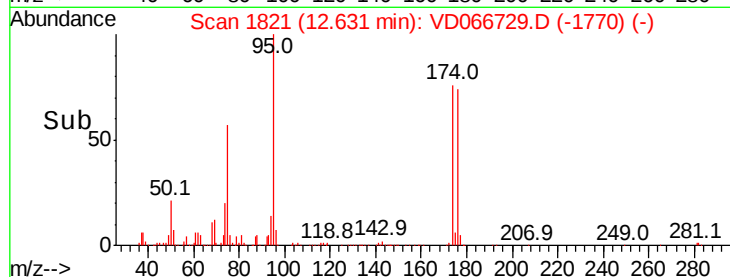
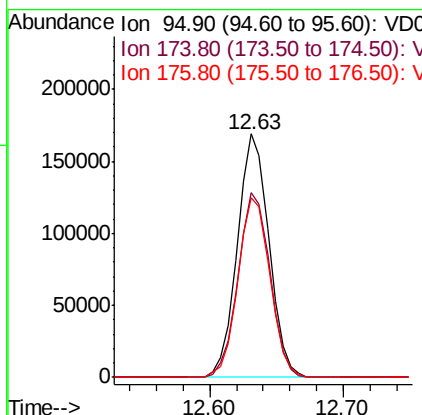
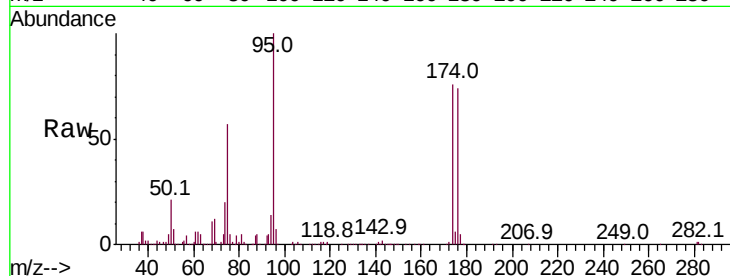




#62
4-Bromofluorobenzene
Concen: 54.351 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066729.D
Acq: 16 Sep 2020 19:38

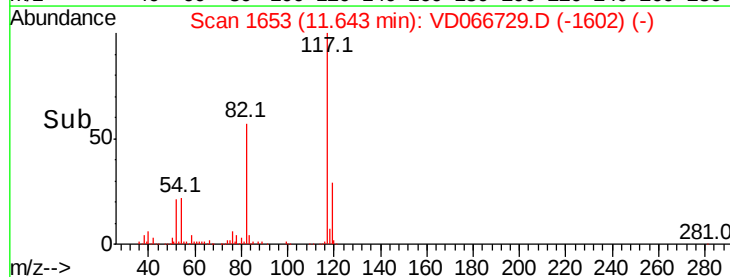
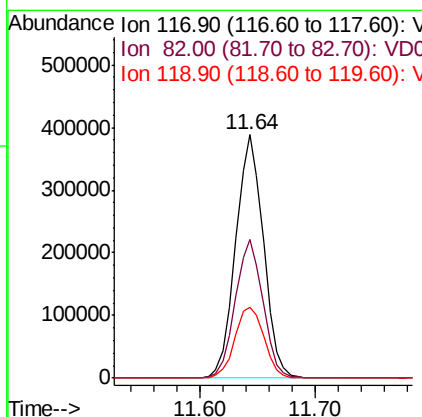
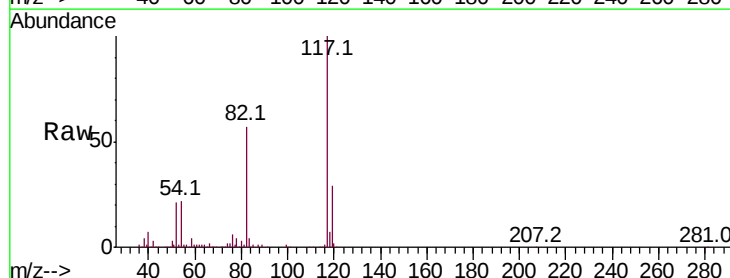
Instrument :
MSVOA_D
ClientSampleId :
SOIL-SP-MH-C01-MH-J09-01

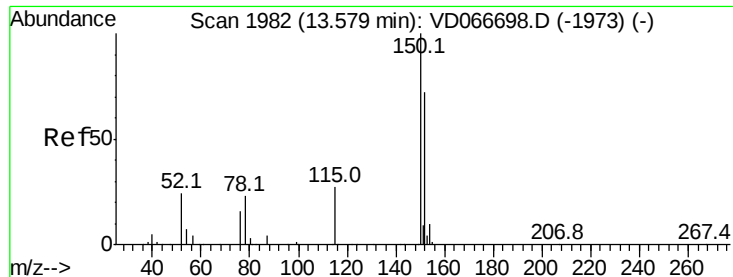
Tot Ion: 95 Resp: 276564
Ion Ratio Lower Upper
95 100
174 76.5 0.0 156.6
176 74.7 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066729.D
Acq: 16 Sep 2020 19:38

Tgt Ion: 117 Resp: 645696
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 29.3 25.8 38.6



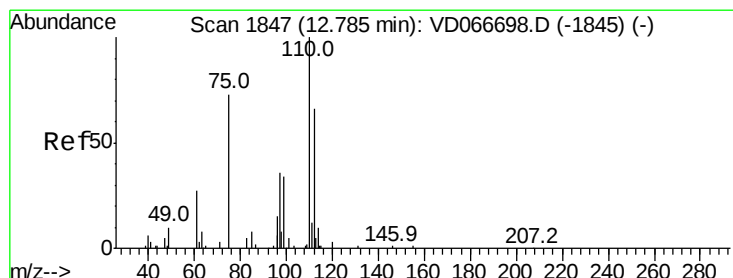
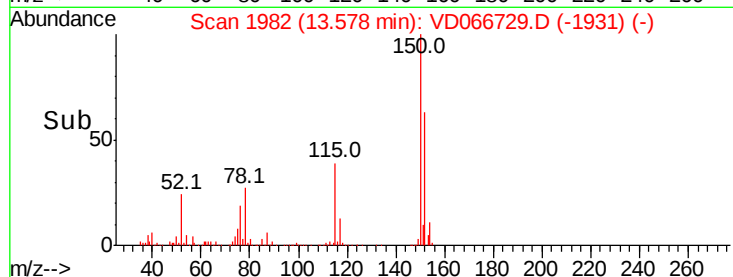
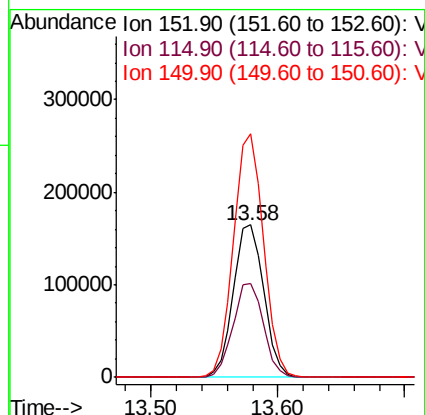
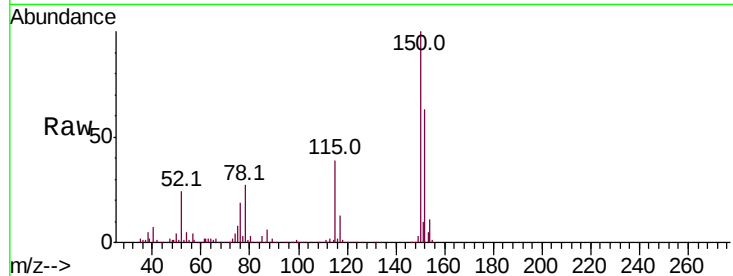


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066729.D
Acq: 16 Sep 2020 19:38

Instrument :
MSVOA_D
ClientSampleId :
SOIL-SP-MH-C01-MH-J09-01

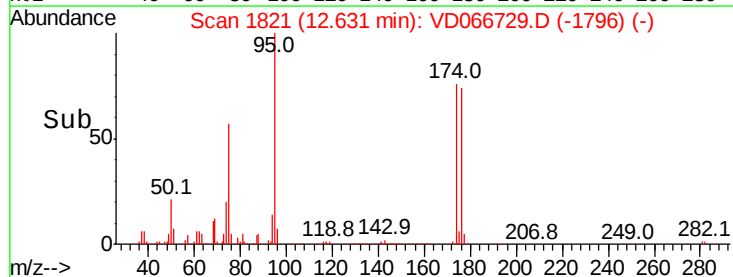
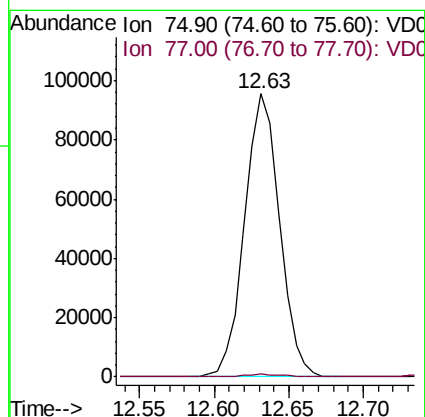
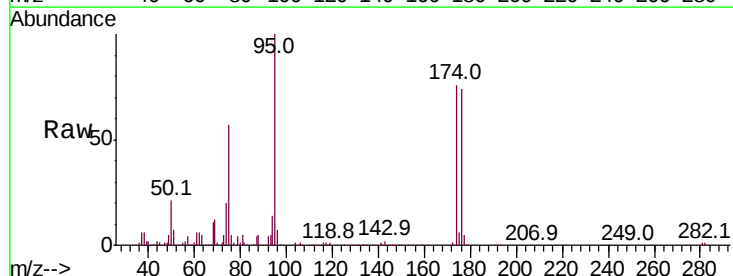
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.5	91.5
150	157.6	0.0	344.6

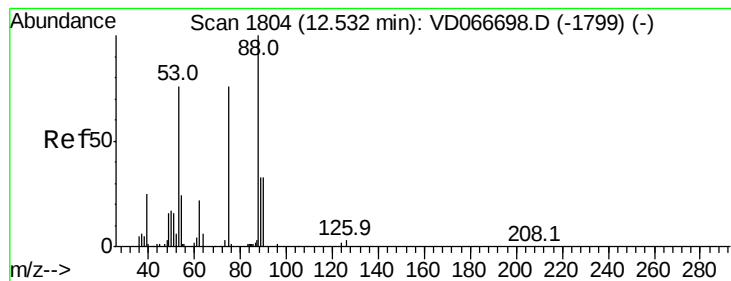


#76

1,2,3-Trichloropropane
Concen: 66.463 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066729.D
Acq: 16 Sep 2020 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 143.438 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066729.D

Acq: 16 Sep 2020 19:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-SP-MH-C01-MH-J09-01

Tot Ion: 75 Resp: 154998

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

