

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066586.D
 Acq On : 09 Sep 2020 16:37
 Operator : VA/SY
 Sample : L3894-10
 Misc : 8.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AL-FALAH-5

Quant Time: Sep 10 01:41:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	368025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	704671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	656583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298848	50.00	ug/l	0.00

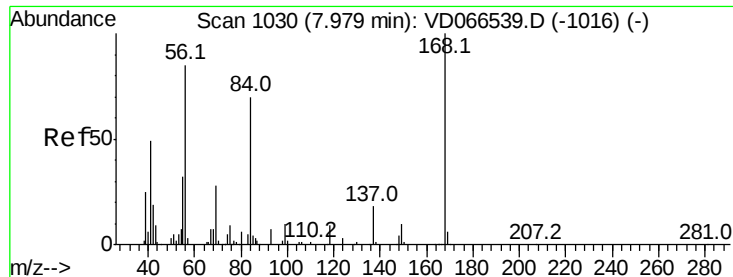
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	255722	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	7.91	113	246920	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.34	98	881505	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.63	95	290134	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	283	Below Cal	#	46
5) Bromomethane	2.78	94	729	Below Cal	#	33
11) Tert butyl alcohol	5.23	59	134	Below Cal	#	74
20) Methylene Chloride	4.97	84	26430	Below Cal		91
29) Tetrahydrofuran	7.48	42	2978	4.348	ug/l #	35
31) Cyclohexane	7.97	56	10330	1.422	ug/l #	9
36) 1,1-Dichloropropene	7.97	75	35613	4.856	ug/l #	48
37) Ethyl Acetate	7.48	43	17720	6.068	ug/l #	68
38) Carbon Tetrachloride	7.98	117	44325	5.718	ug/l #	19
41) Methacrylonitrile	7.48	41	11770	8.327	ug/l #	41
49) 1,4-Dioxane	9.60	88	55	1.799	ug/l #	3
76) 1,2,3-Trichloropropane	12.63	75	165811	57.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	165811	134.688	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

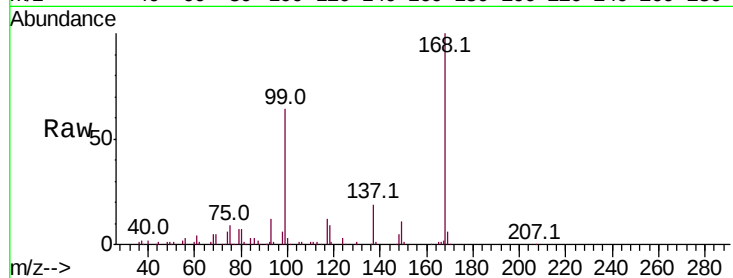
AL-FALAH-5

Tot Ion:168 Resp: 368025

Ion Ratio Lower Upper

168 100

99 64.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

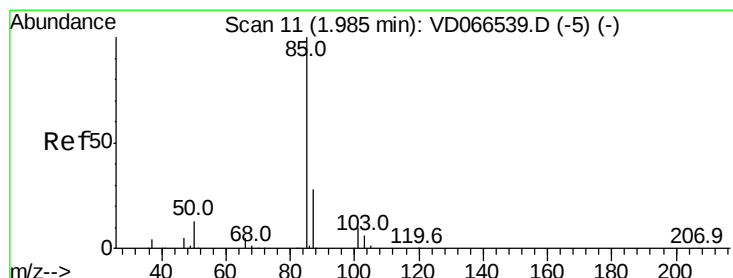
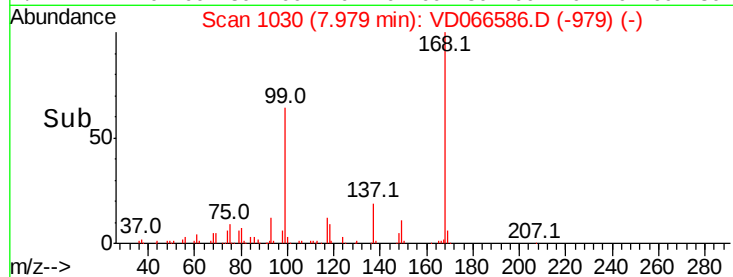
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066586.D

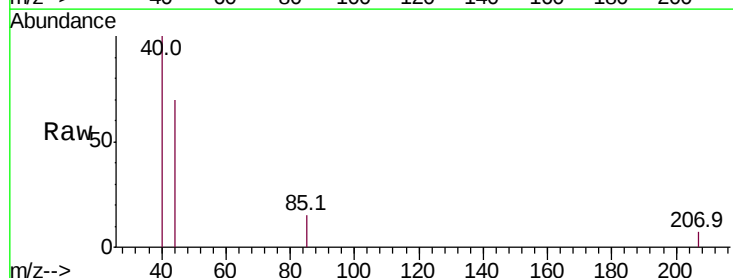
Acq: 09 Sep 2020 16:37

Tgt Ion: 85 Resp: 283

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

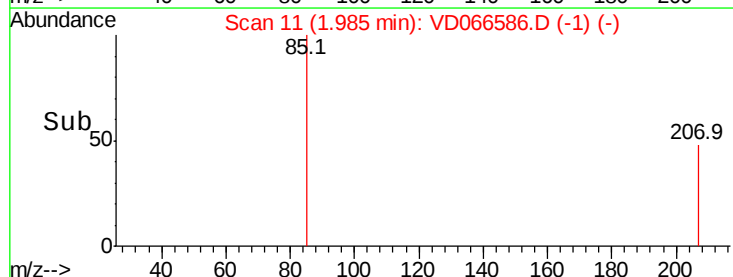
300

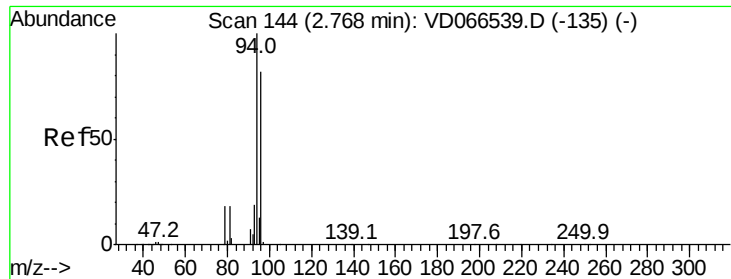
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

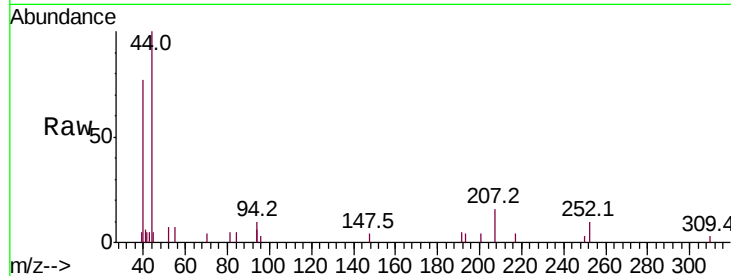
AL-FALAH-5

Tot Ion: 94 Resp: 729

Ion Ratio Lower Upper

94 100

96 21.4 65.2 97.8#



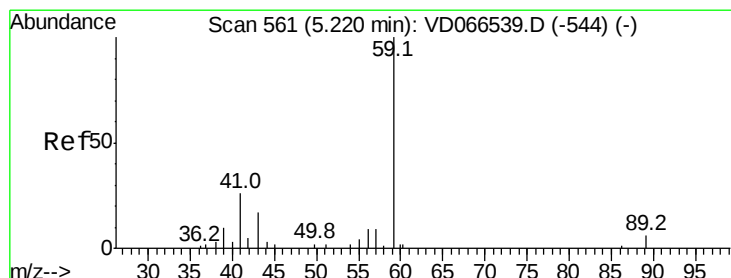
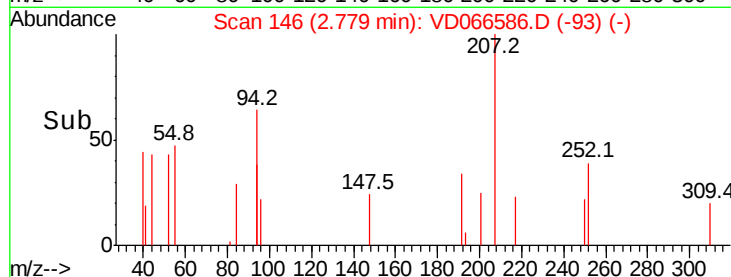
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

2.75 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066586.D

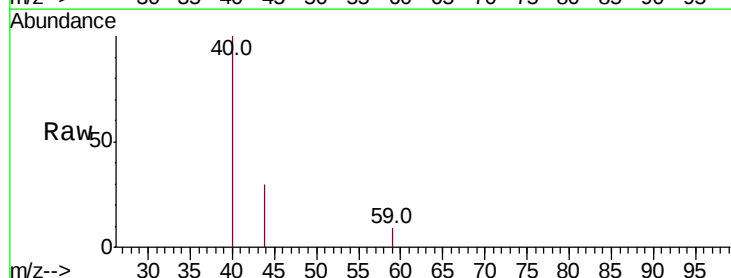
Acq: 09 Sep 2020 16:37

Tgt Ion: 59 Resp: 134

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



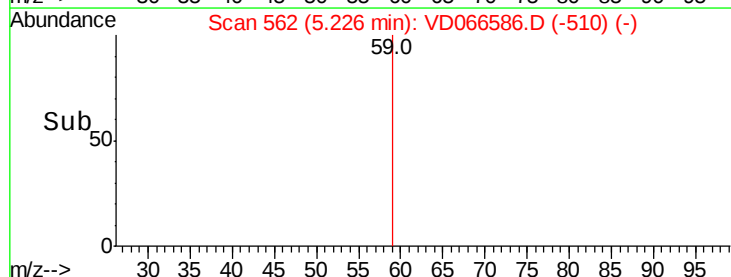
Abundance Ion 59.00 (58.70 to 59.70): VDC

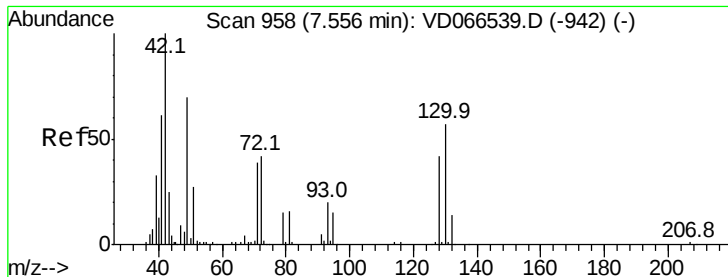
Ion 57.00 (56.70 to 57.70): VDC

5.23

5.22 5.24 5.26

Time-->





#29

Tetrahydrofuran

Concen: 4.348 ug/l

RT: 7.48 min Scan# 946

Delta R.T. -0.07 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-5

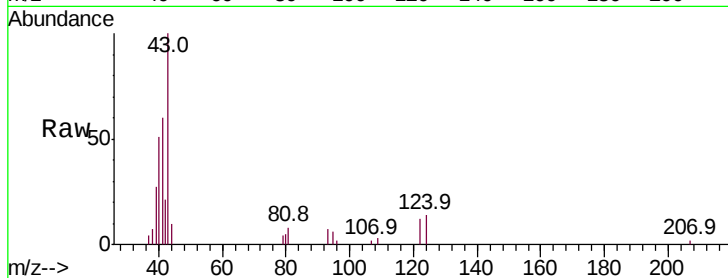
Tot Ion: 42 Resp: 2978

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

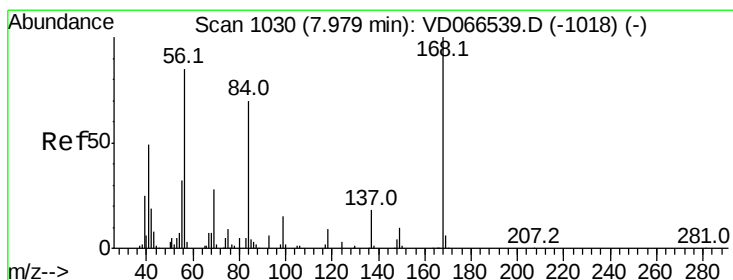
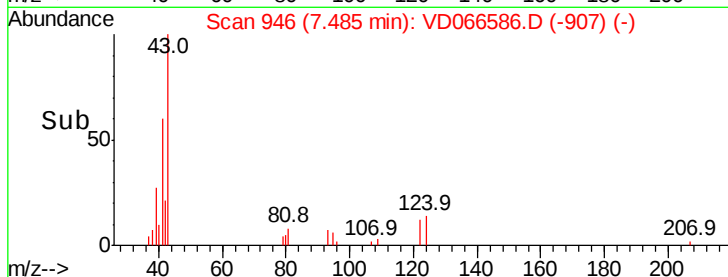
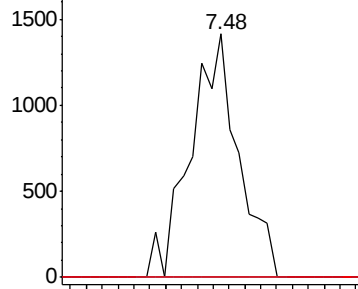
71 0.0 31.9 47.9#



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: 1.422 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

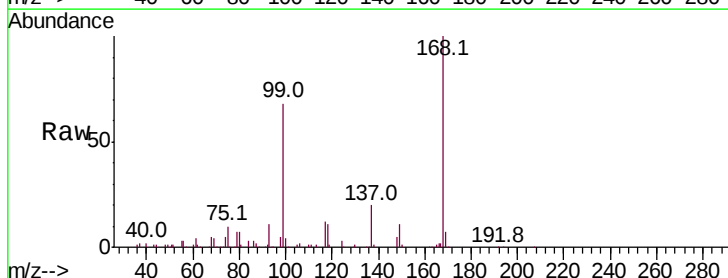
Tgt Ion: 56 Resp: 10330

Ion Ratio Lower Upper

56 100

69 151.0 26.3 39.5#

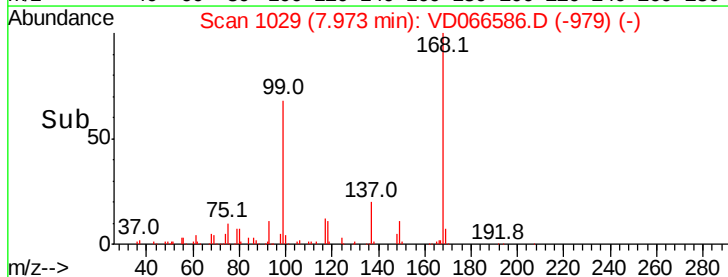
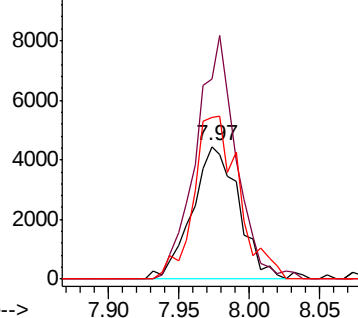
84 121.6 66.1 99.1#

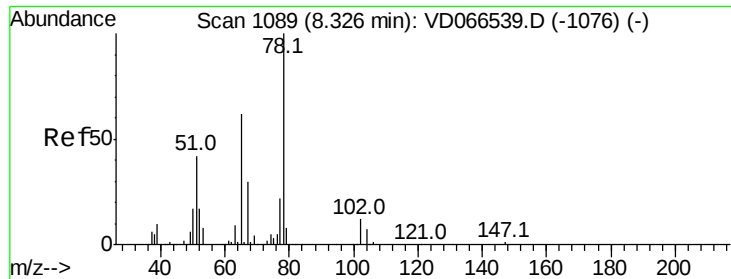


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 57.430 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

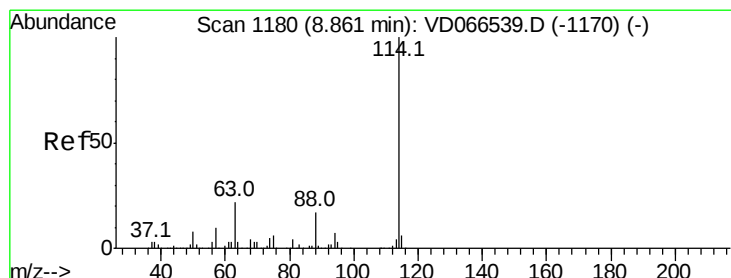
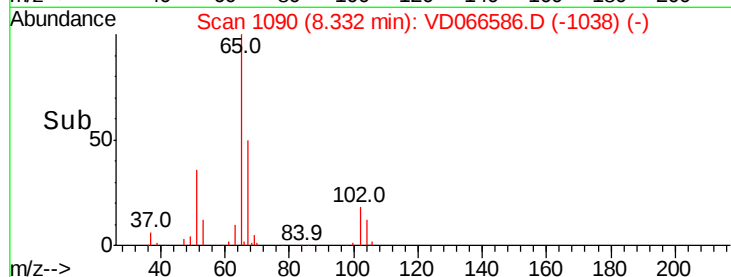
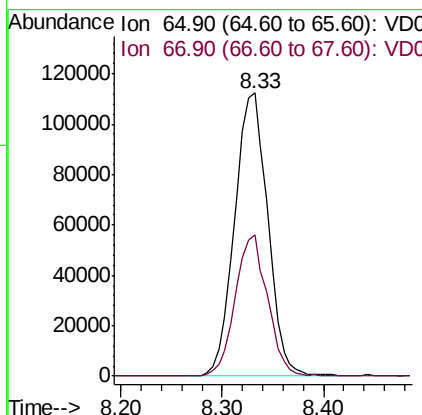
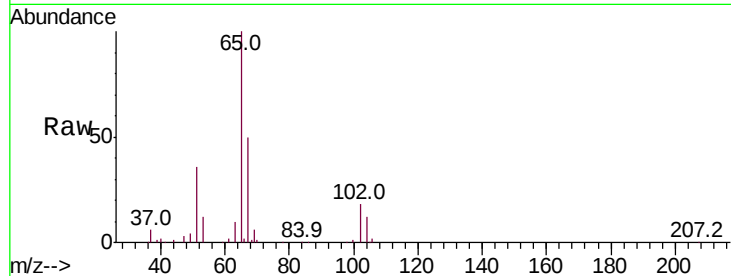
Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Instrument :
MSVOA_D
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AL-FALAH-5

Tot Ion: 65 Resp: 255722

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

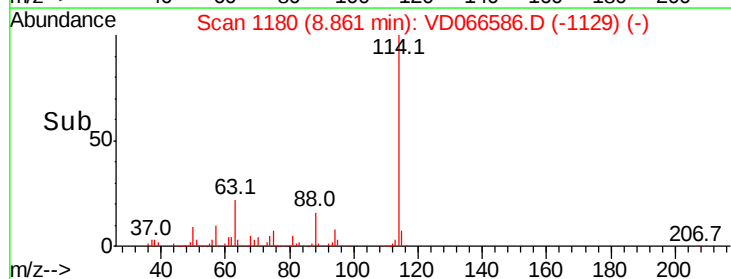
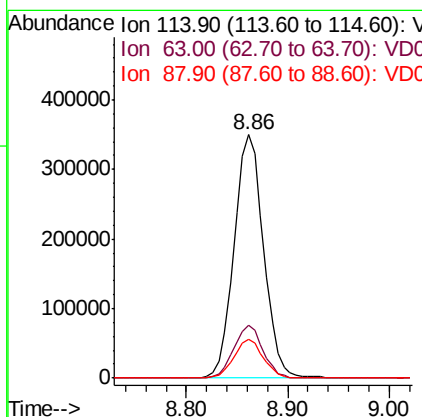
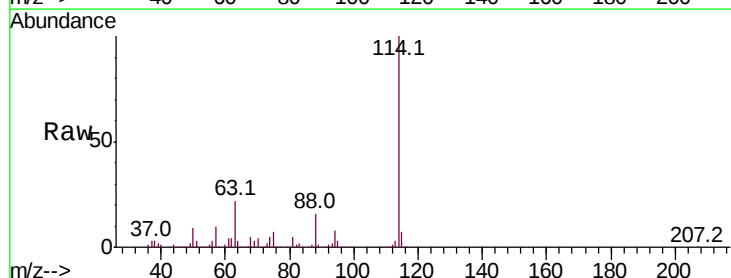
Delta R.T. -0.00 min

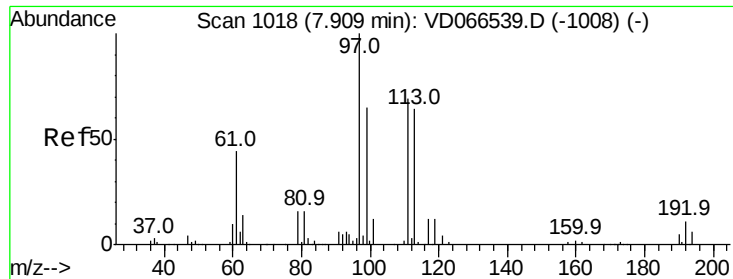
Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Tgt Ion: 114 Resp: 704671

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.0	0.0	33.2

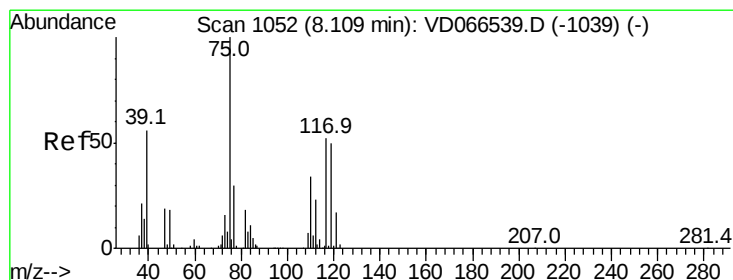
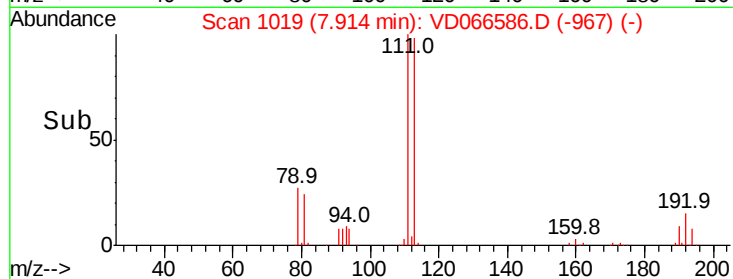
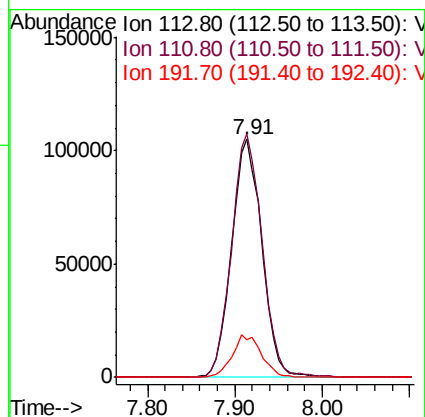
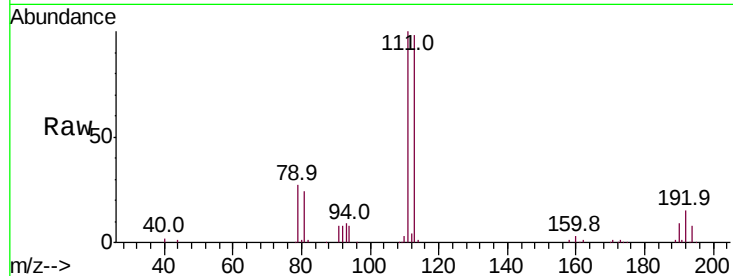




#35
 Dibromofluoromethane
 Concen: 51.942 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066586.D
 Acq: 09 Sep 2020 16:37

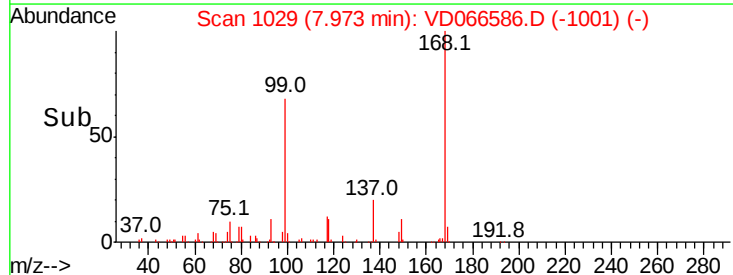
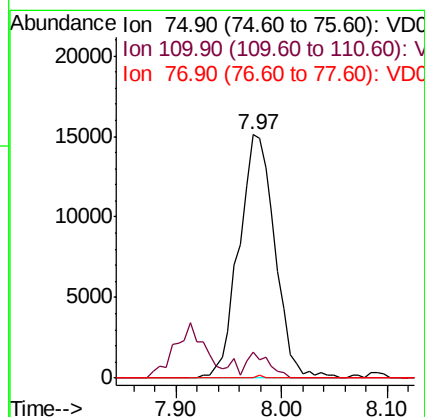
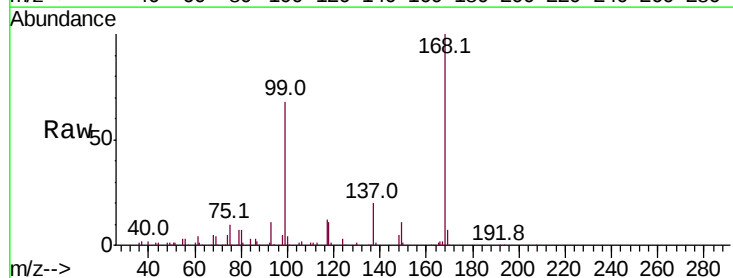
Instrument :
 MSVOA_D
 ClientSampleId :
 AL-FALAH-5

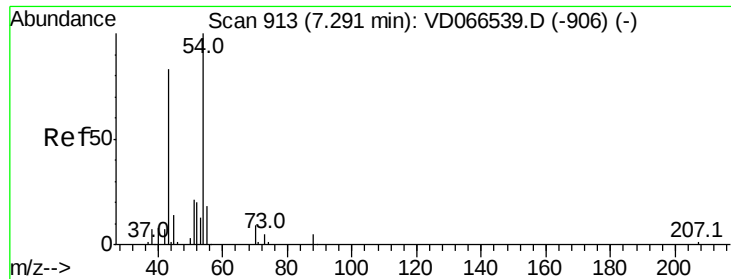
Tot Ion:113 Resp: 246920
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.2 124.8
 192 17.1 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066586.D
 Acq: 09 Sep 2020 16:37

Tgt Ion: 75 Resp: 35613
 Ion Ratio Lower Upper
 75 100
 110 6.4 17.3 52.0#
 77 0.2 25.1 37.7#





#37

Ethyl Acetate

Concen: 6.068 ug/l

RT: 7.48 min Scan# 946

Delta R.T. 0.19 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-5

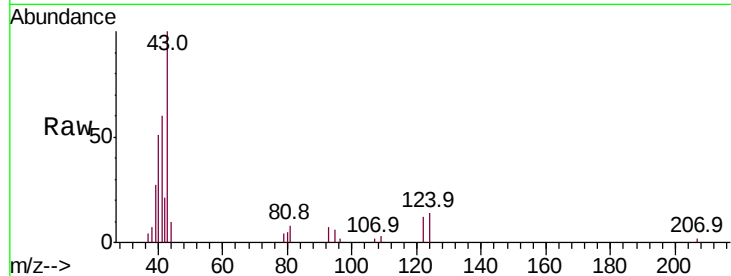
Tot Ion: 43 Resp: 17720

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

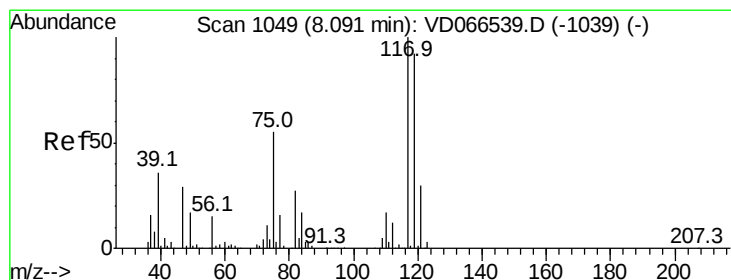
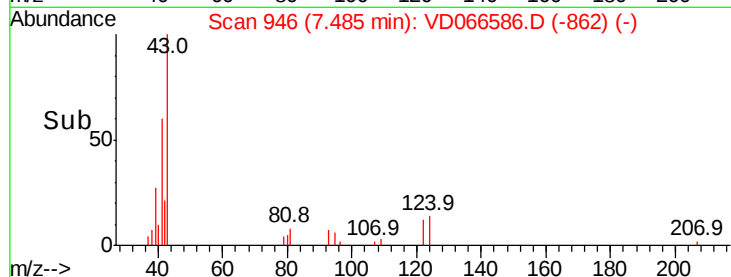
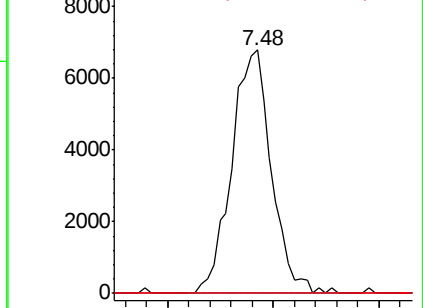
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.718 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

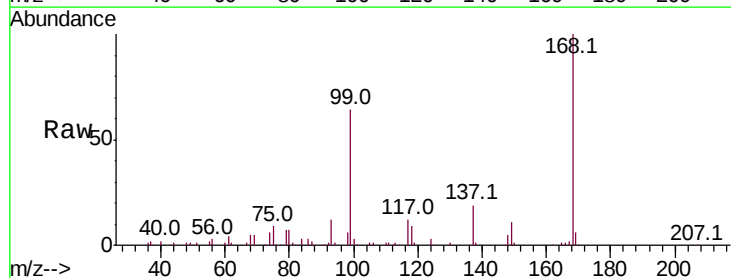
Tgt Ion: 117 Resp: 44325

Ion Ratio Lower Upper

117 100

119 6.9 73.9 110.9#

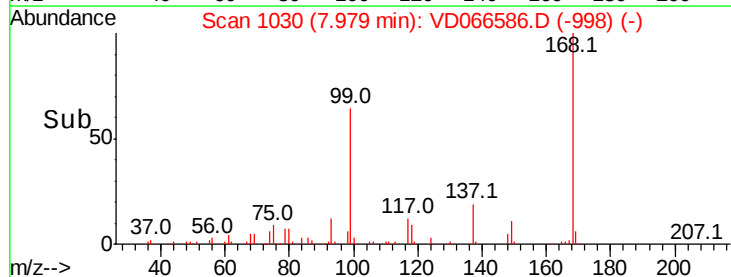
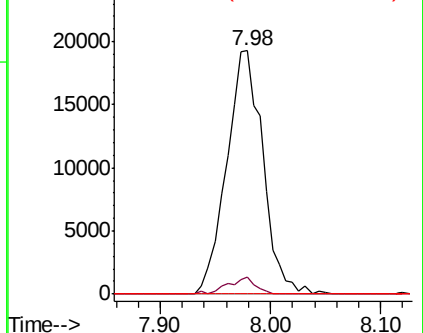
121 0.0 24.1 36.1#

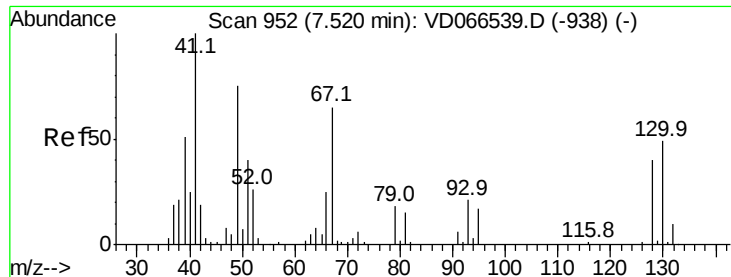


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

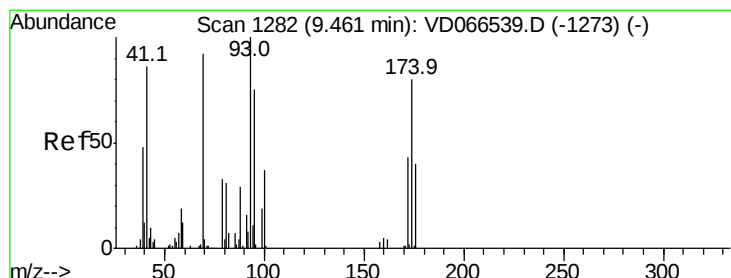
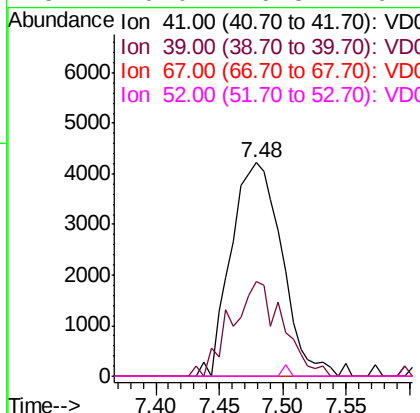
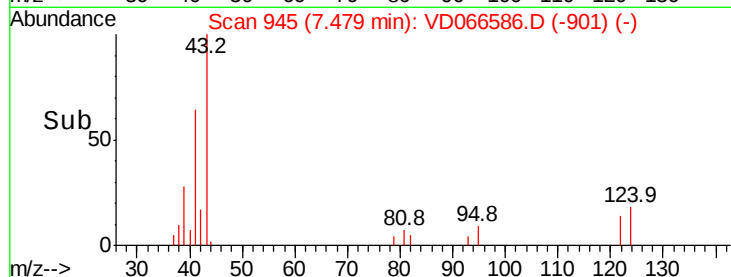
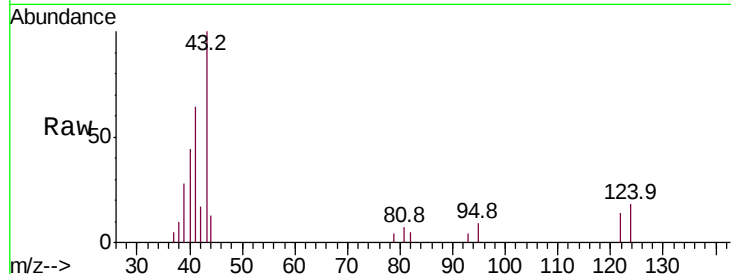




#41
Methacrylonitrile
Concen: 8.327 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.04 min
Lab File: VD066586.D
Acq: 09 Sep 2020 16:37

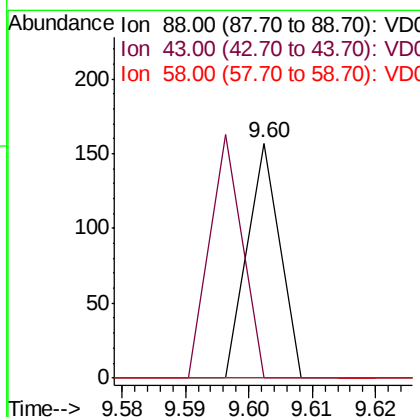
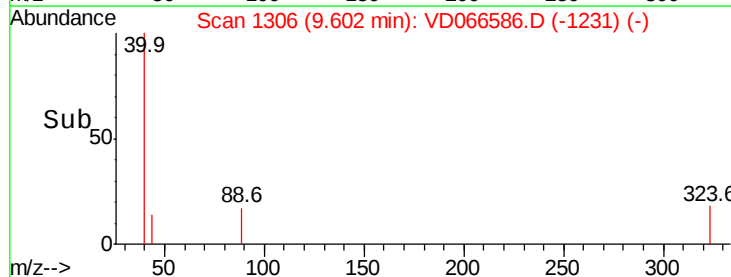
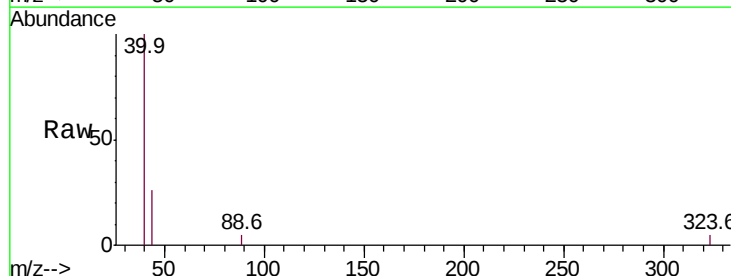
Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-5

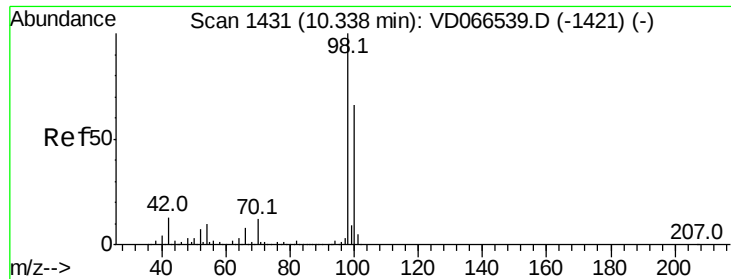
Tot Ion: 41 Resp: 11770
Ion Ratio Lower Upper
41 100
39 44.7 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#49
1,4-Dioxane
Concen: 1.799 ug/l
RT: 9.60 min Scan# 1306
Delta R.T. 0.14 min
Lab File: VD066586.D
Acq: 09 Sep 2020 16:37

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 105.5 28.3 42.5#
58 0.0 56.1 84.1#

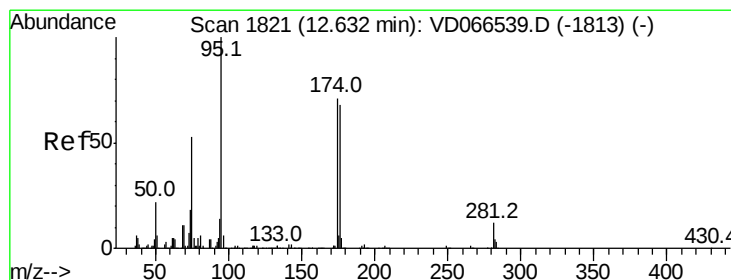
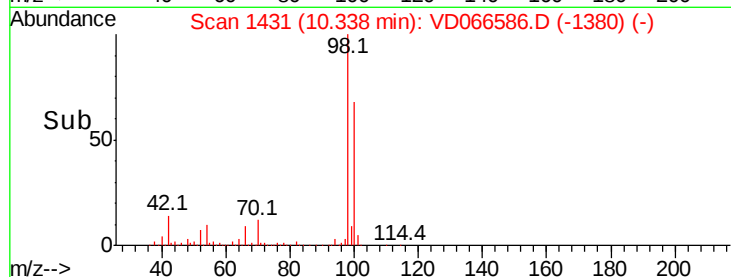
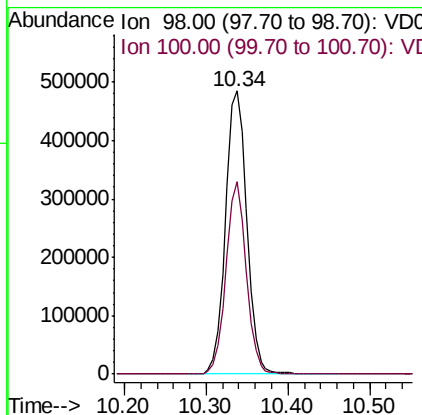
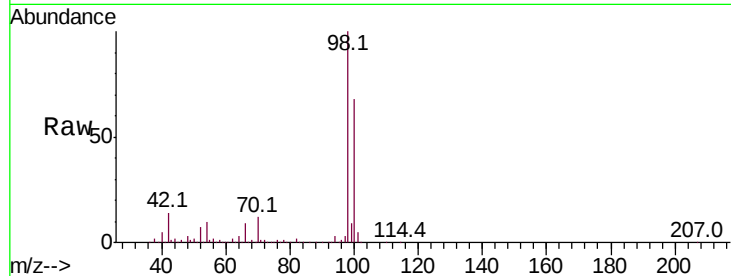




#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066586.D
Acq: 09 Sep 2020 16:37

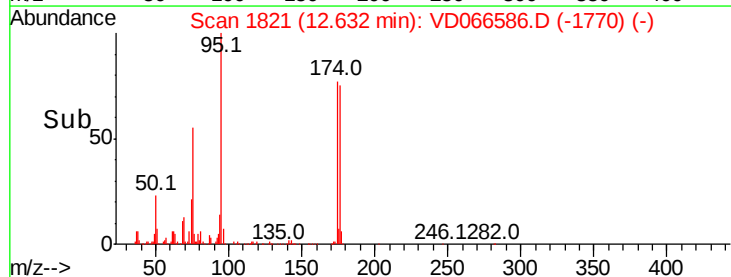
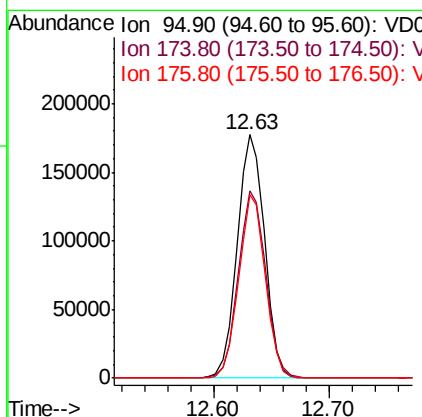
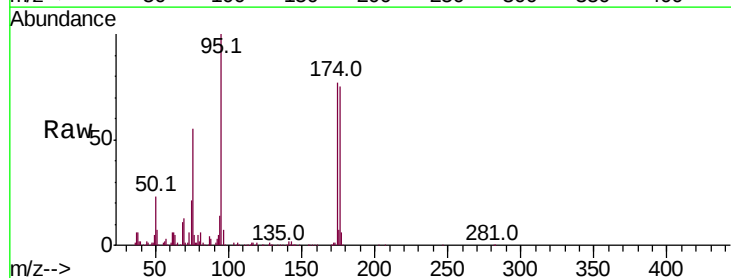
Instrument :
MSVOA_D
ClientSampleID :
AL-FALAH-5

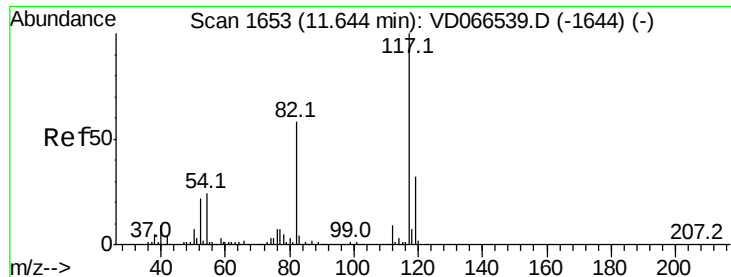
Tot Ion: 98 Resp: 881505
Ion Ratio Lower Upper
98 100
100 64.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 51.498 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066586.D
Acq: 09 Sep 2020 16:37

Tgt Ion: 95 Resp: 290134
Ion Ratio Lower Upper
95 100
174 77.3 0.0 155.8
176 73.0 0.0 148.6

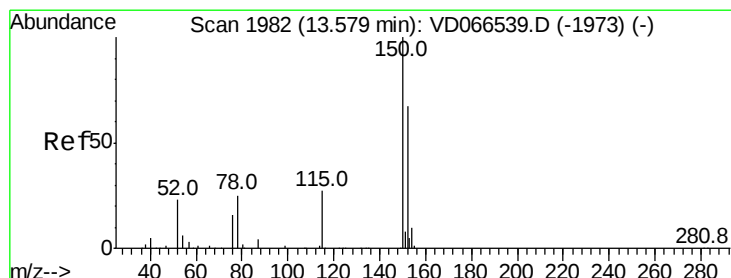
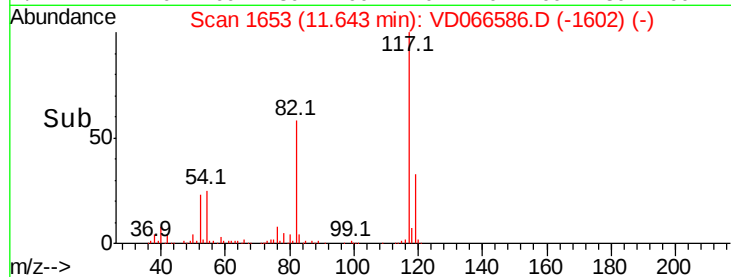
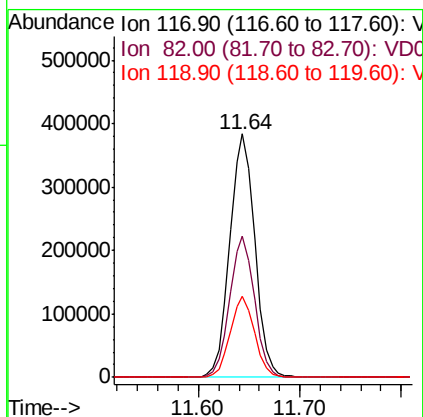
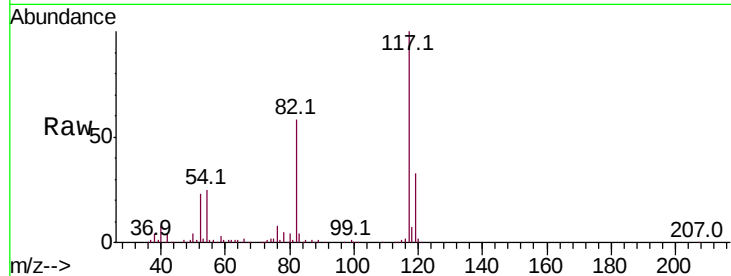




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066586.D
Acq: 09 Sep 2020 16:37

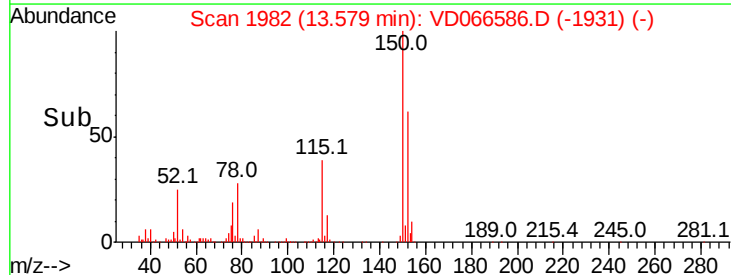
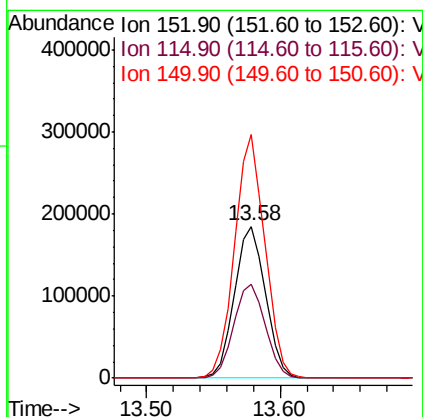
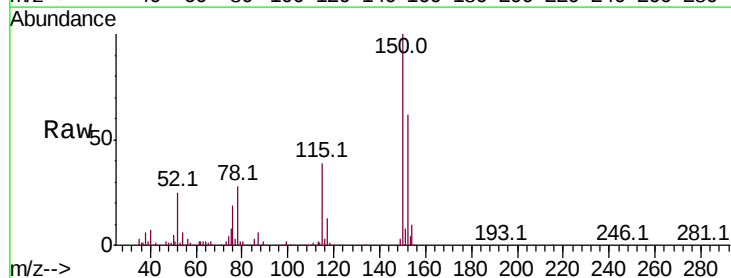
Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-5

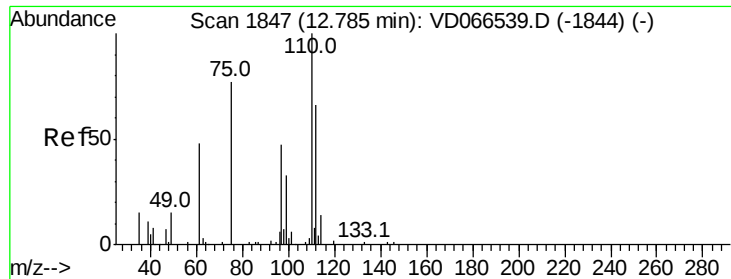
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.2	69.2
119	33.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066586.D
Acq: 09 Sep 2020 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	30.4	91.2
150	156.0	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 57.691 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

Instrument :

MSVOA_D

ClientSampled :

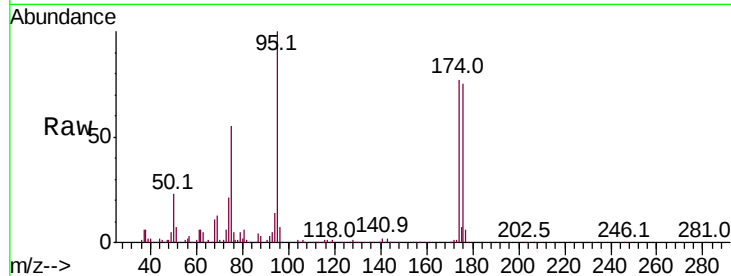
AL-FALAH-5

Tot Ion: 75 Resp: 165811

Ion Ratio Lower Upper

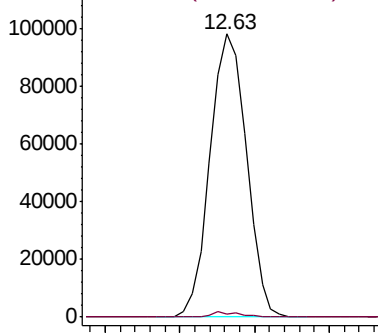
75 100

77 1.4 0.0 0.0#

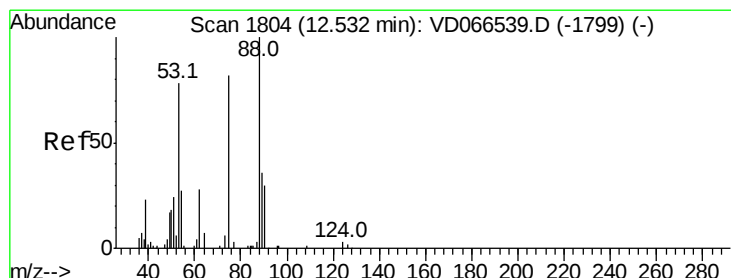
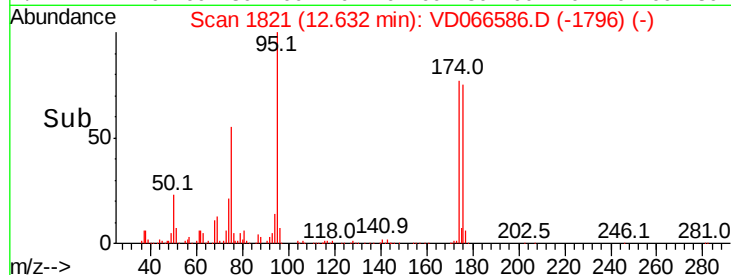


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 134.688 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066586.D

Acq: 09 Sep 2020 16:37

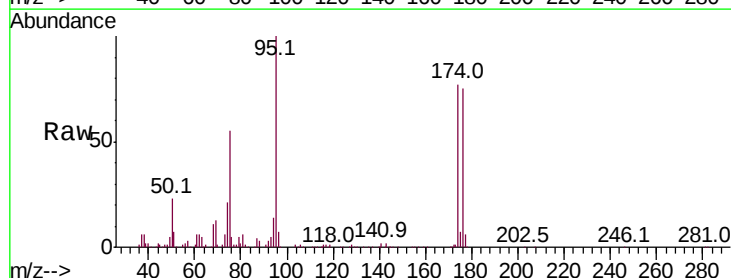
Tgt Ion: 75 Resp: 165811

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

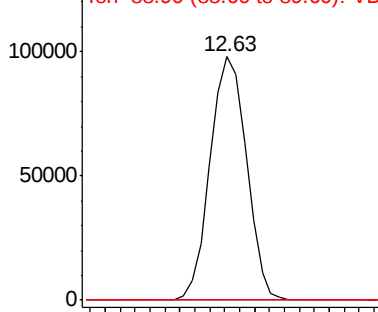
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



Time--> 12.55 12.60 12.65 12.70

