

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066582.D
 Acq On : 09 Sep 2020 14:47
 Operator : VA/SY
 Sample : L3894-02
 Misc : 8.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AL-FALAH-1

Quant Time: Sep 10 01:40:27 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

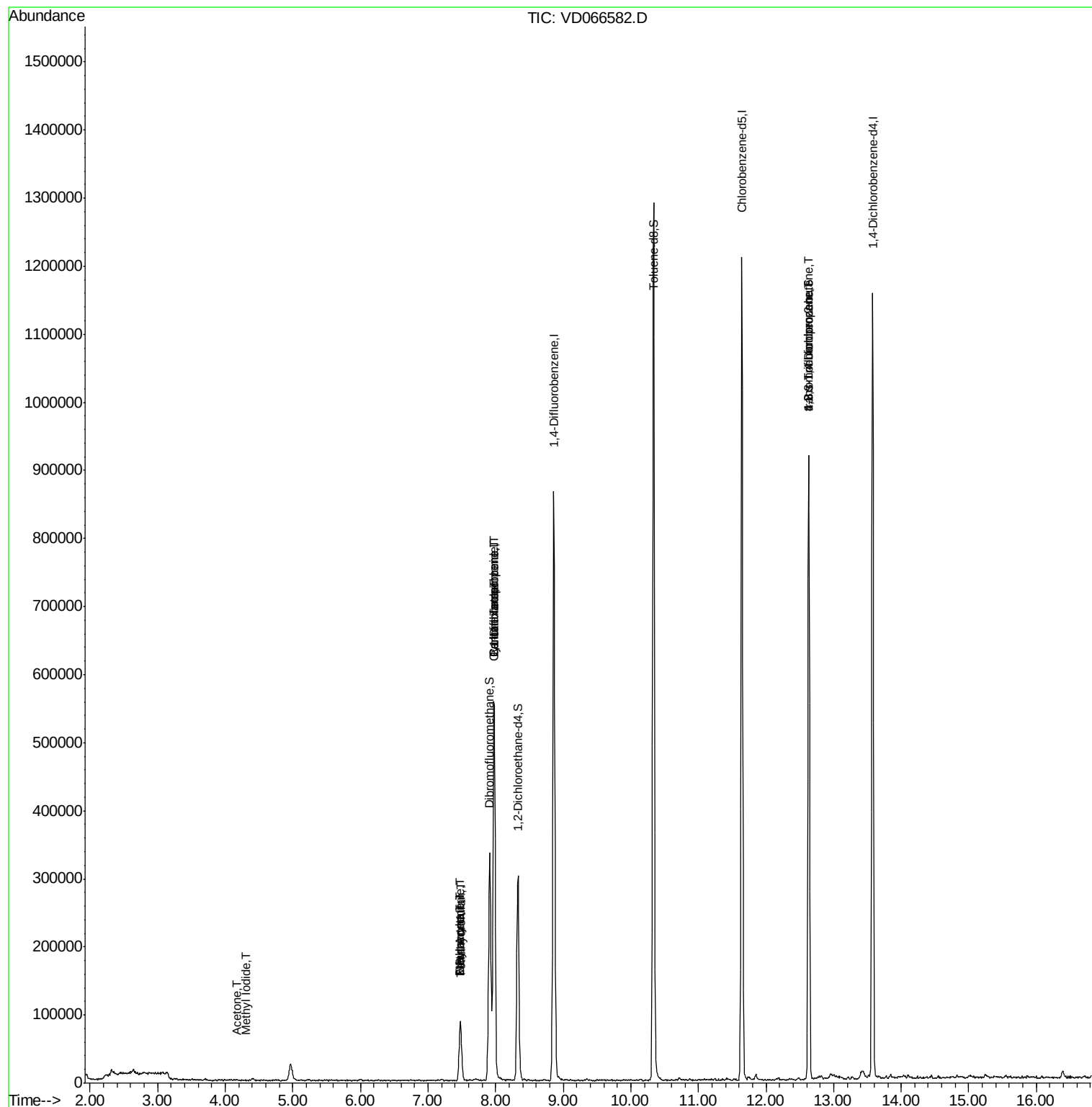
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	386438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	693296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	633851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	245759	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
35) Dibromofluoromethane	7.91	113	236983	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
50) Toluene-d8	10.34	98	834750	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.63	95	282205	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	477	Below Cal	#	46
5) Bromomethane	2.78	94	1042	Below Cal	#	57
10) Methyl Iodide	4.31	142	72	4.040 ug/l	#	35
11) Tert butyl alcohol	5.23	59	743	Below Cal	#	74
16) Acetone	4.16	43	1443	1.677 ug/l	#	46
20) Methylene Chloride	4.97	84	17138	Below Cal		92
25) 2-Butanone	7.47	43	42038	36.402 ug/l	#	51
29) Tetrahydrofuran	7.49	42	12021	16.714 ug/l	#	35
31) Cyclohexane	7.98	56	10857	1.423 ug/l	#	55
36) 1,1-Dichloropropene	7.98	75	35104	4.865 ug/l	#	51
37) Ethyl Acetate	7.47	43	75058	26.125 ug/l	#	68
38) Carbon Tetrachloride	7.98	117	44015	5.771 ug/l	#	18
41) Methacrylonitrile	7.47	41	47566	34.202 ug/l	#	43
76) 1,2,3-Trichloropropane	12.63	75	160710	58.922 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	160710	137.561 ug/l	#	7

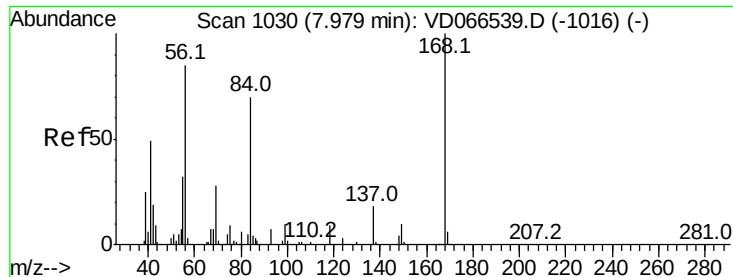
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

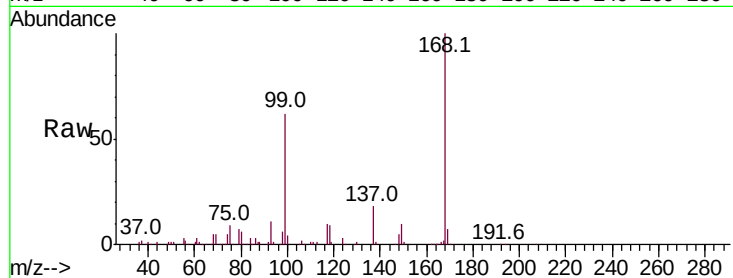
AL-FALAH-1

Tot Ion:168 Resp: 386438

Ion Ratio Lower Upper

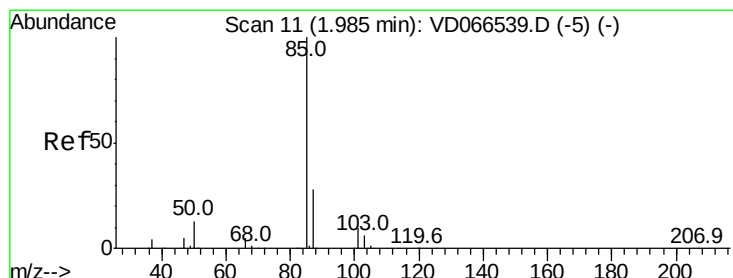
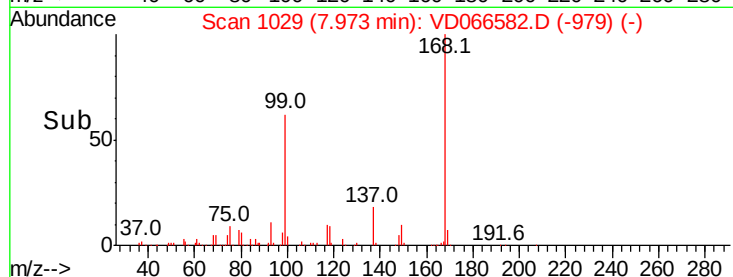
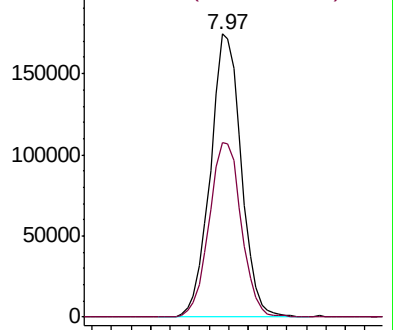
168 100

99 61.6 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066582.D

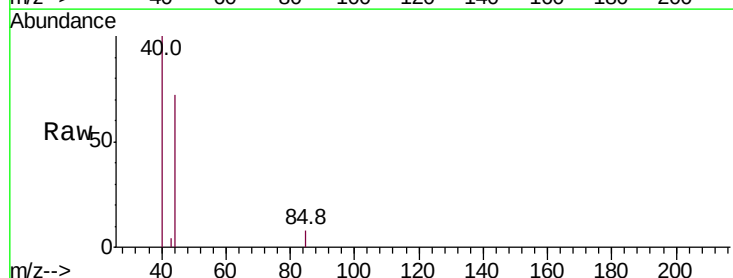
Acq: 09 Sep 2020 14:47

Tgt Ion: 85 Resp: 477

Ion Ratio Lower Upper

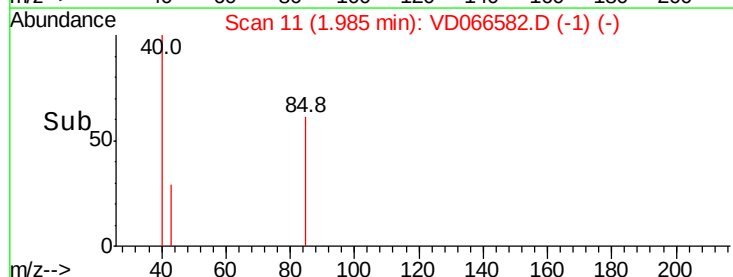
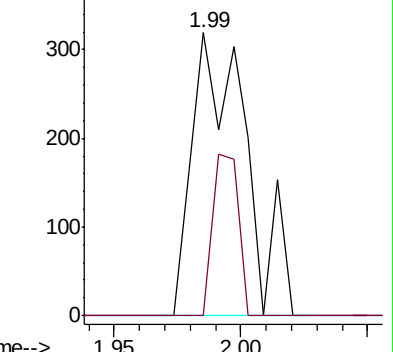
85 100

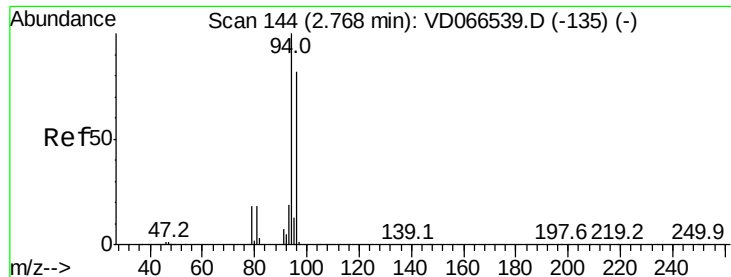
87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

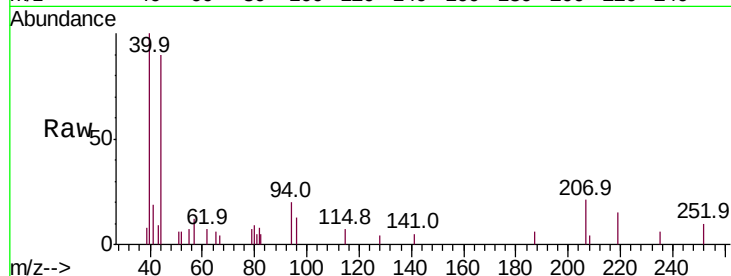
AL-FALAH-1

Tot Ion: 94 Resp: 1042

Ion Ratio Lower Upper

94 100

96 43.3 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

600

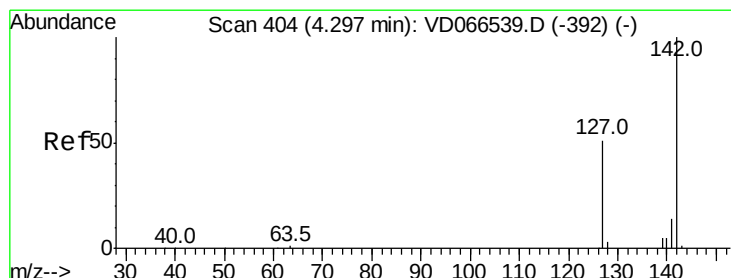
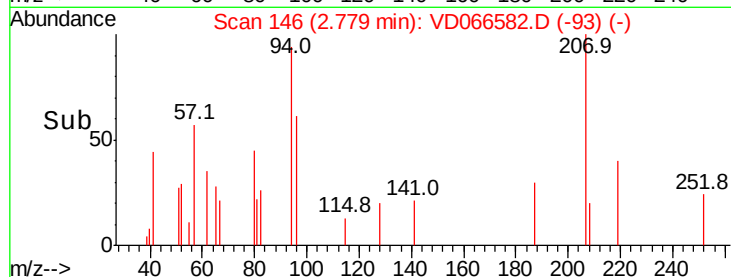
400

200

0

2.75 2.80

Time-->



#10

Methyl Iodide

Concen: 4.040 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

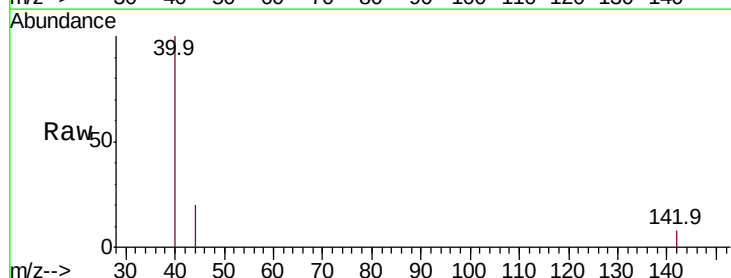
Tgt Ion: 142 Resp: 72

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

150

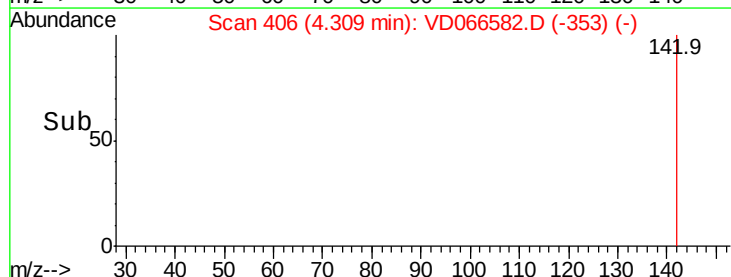
100

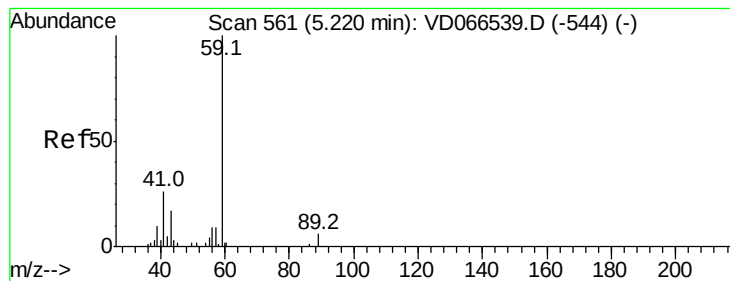
50

0

4.29 4.30 4.31 4.32

Time-->



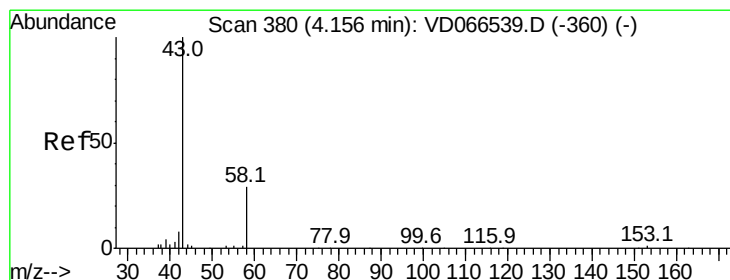
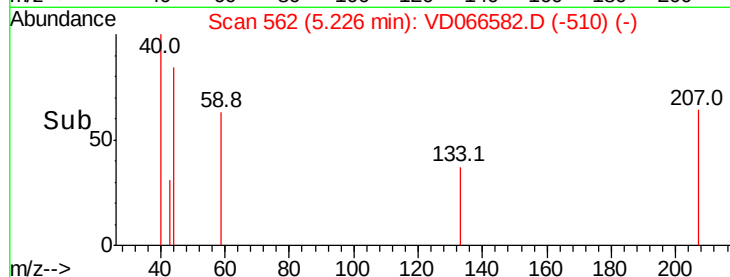
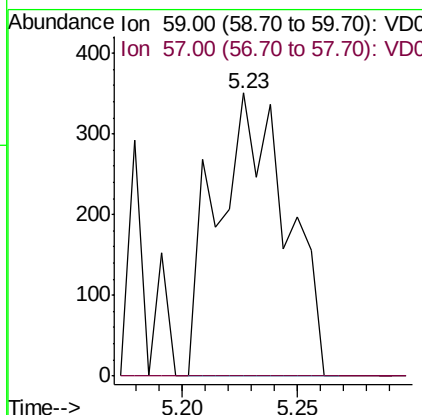
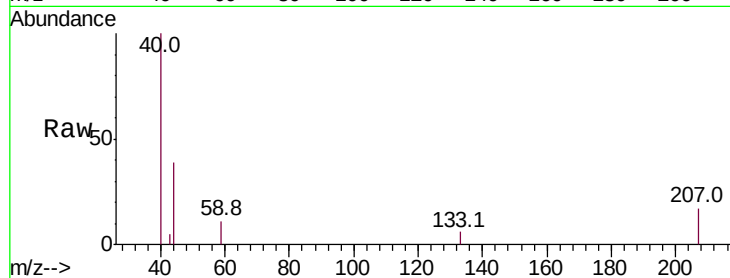


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066582.D
 Acq: 09 Sep 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 AL-FALAH-1

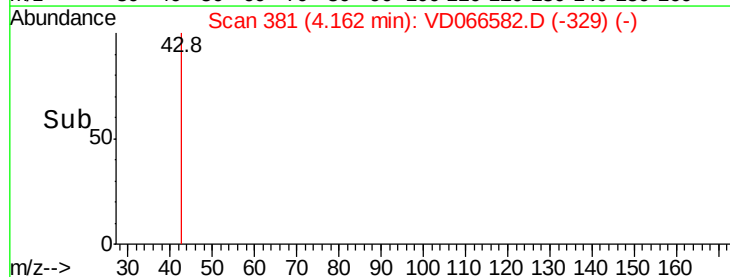
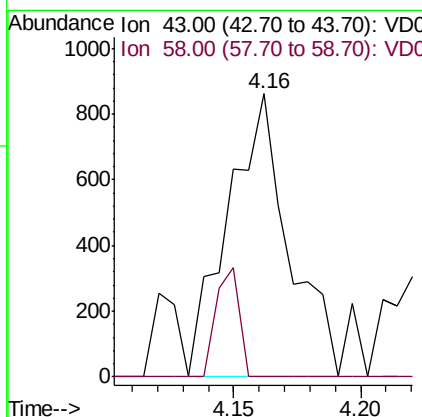
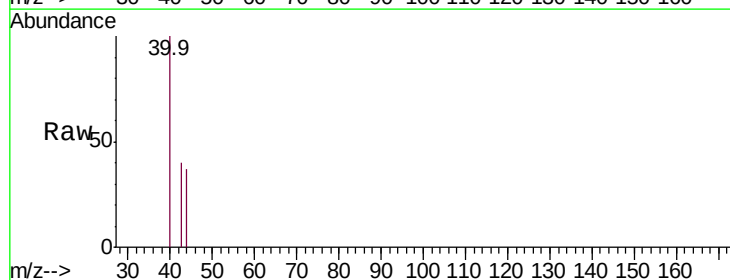
Tot Ion: 59 Resp: 743
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

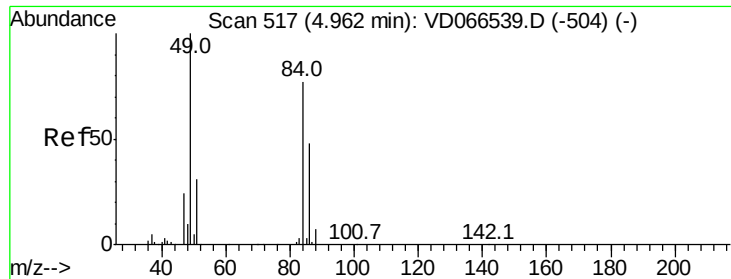


#16

Acetone
 Concen: 1.677 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066582.D
 Acq: 09 Sep 2020 14:47

Tgt Ion: 43 Resp: 1443
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.9 34.3#

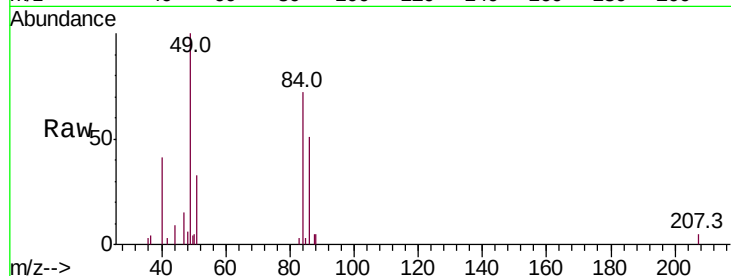




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066582.D
Acq: 09 Sep 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-1

Tot Ion:	84	Resp:	17138
Ion	Ratio	Lower	Upper
84	100		
49	138.3	104.3	156.5
51	46.2	32.2	48.4
86	70.4	50.0	75.0



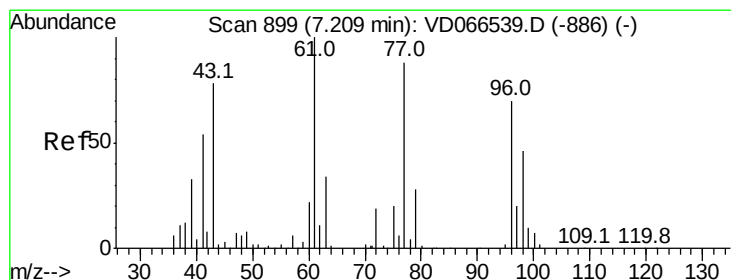
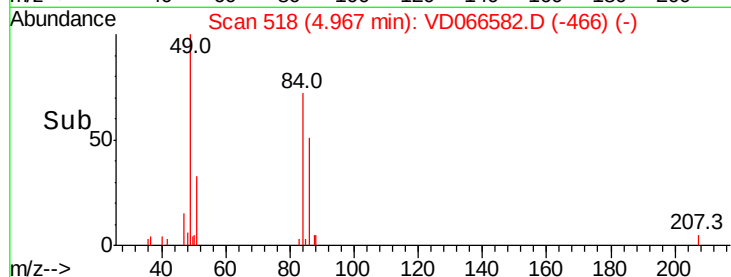
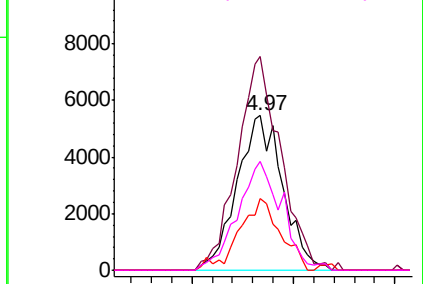
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

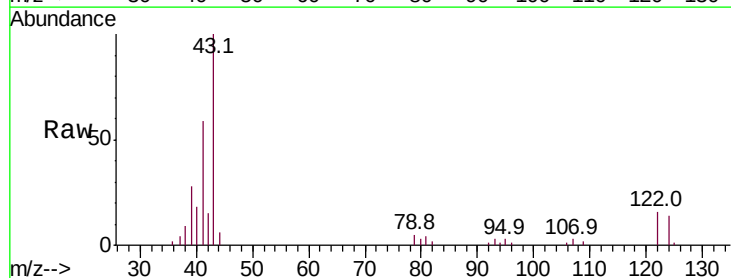
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 36.402 ug/l
RT: 7.47 min Scan# 944
Delta R.T. 0.26 min
Lab File: VD066582.D
Acq: 09 Sep 2020 14:47

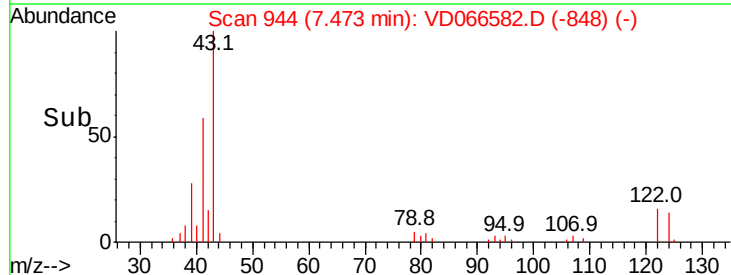
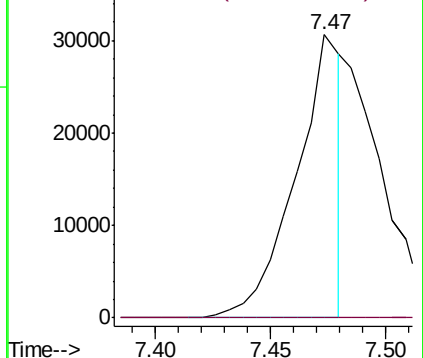
Tgt Ion:	43	Resp:	42038
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

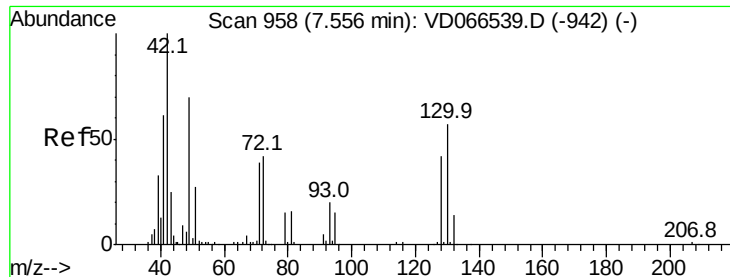


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 16.714 ug/l

RT: 7.49 min Scan# 946

Delta R.T. -0.07 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-1

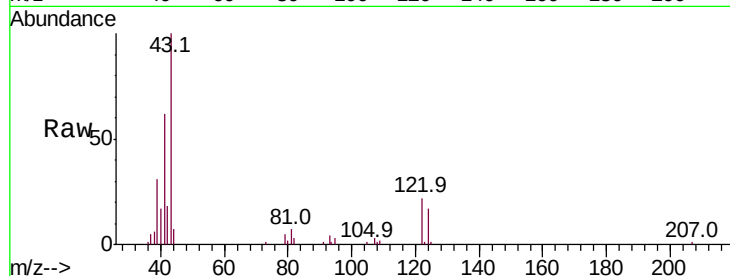
Tot Ion: 42 Resp: 12021

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

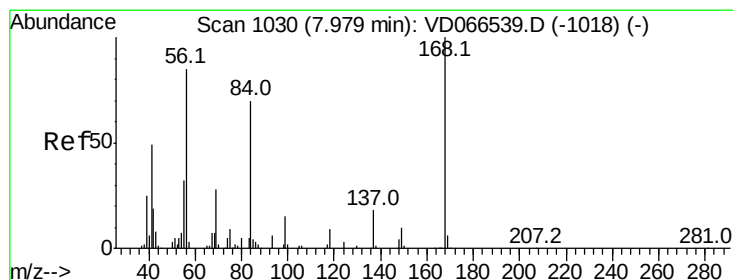
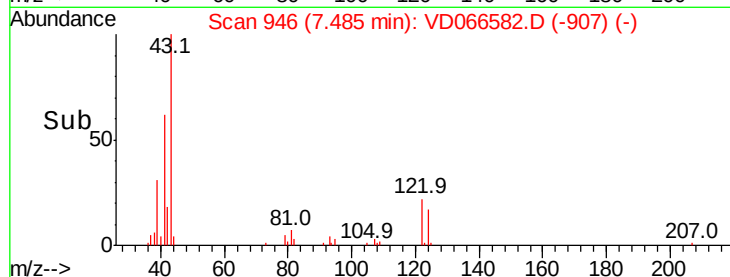
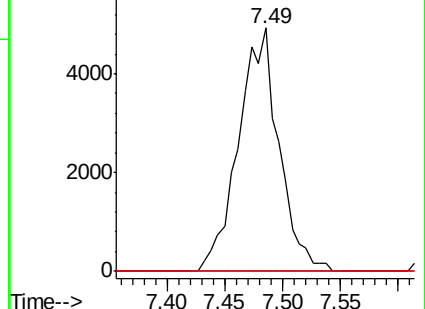
71 0.0 31.9 47.9#



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: 1.423 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

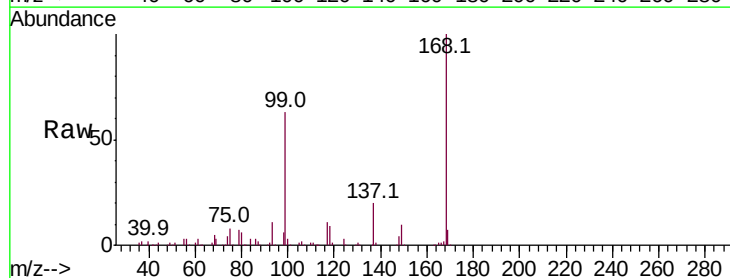
Tgt Ion: 56 Resp: 10857

Ion Ratio Lower Upper

56 100

69 104.3 26.3 39.5#

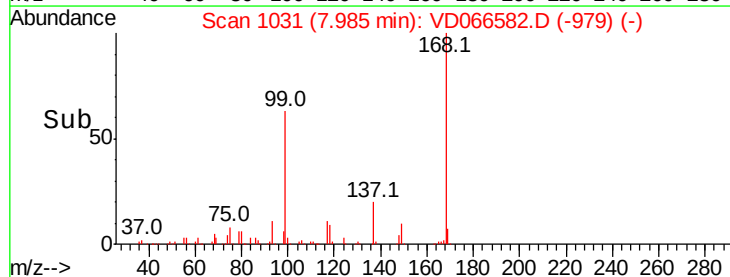
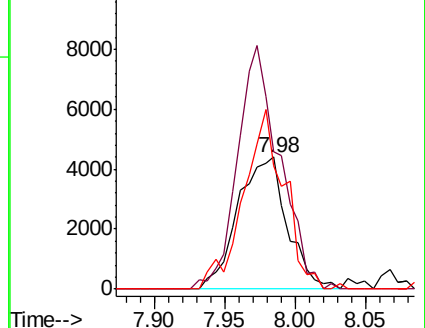
84 93.4 66.1 99.1

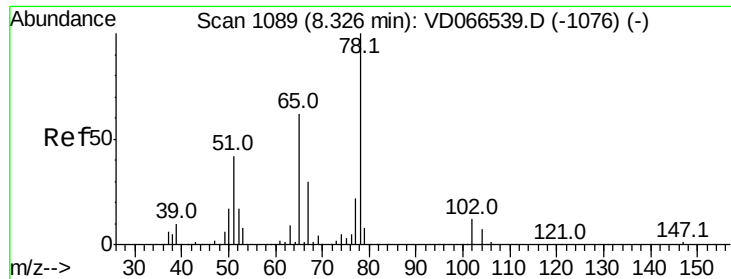


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

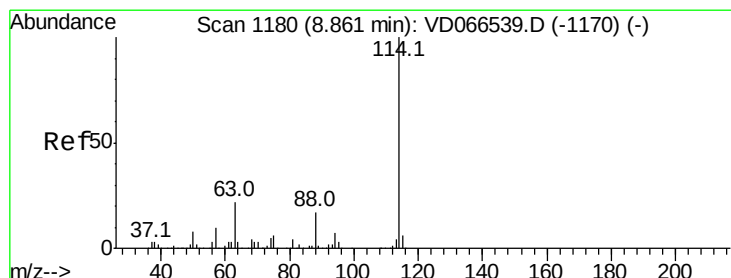
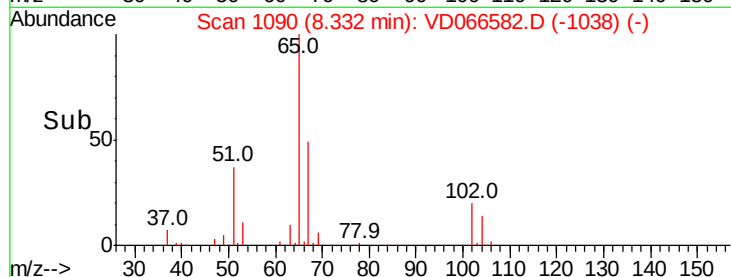
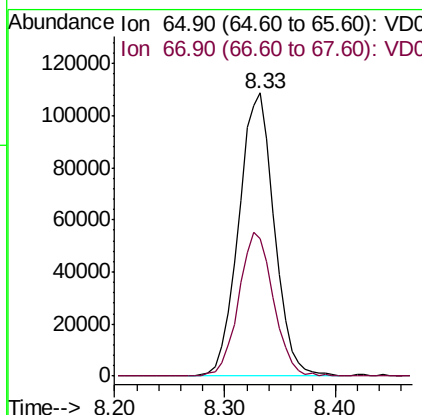
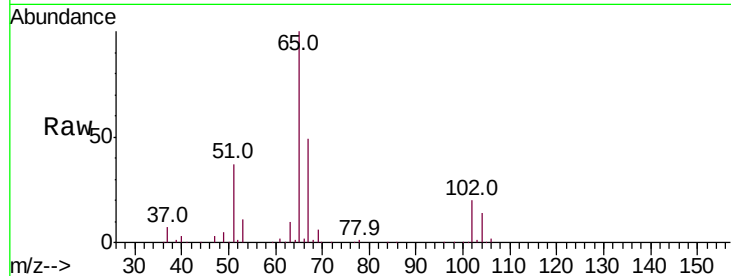




#33
 1,2-Dichloroethane-d4
 Concen: 52.563 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066582.D
 Acq: 09 Sep 2020 14:47

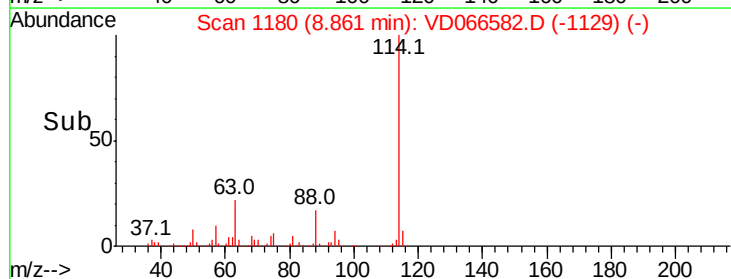
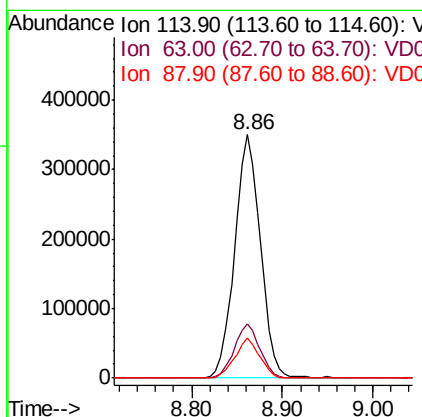
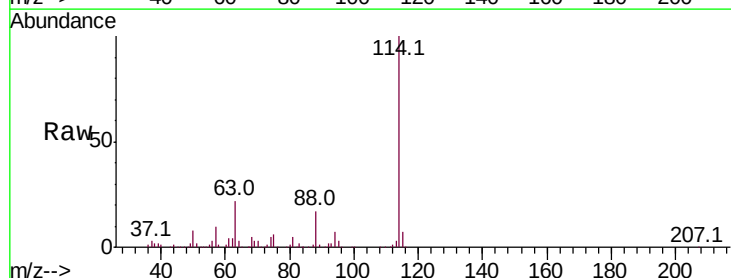
Instrument :
 MSVOA_D
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 AL-FALAH-1

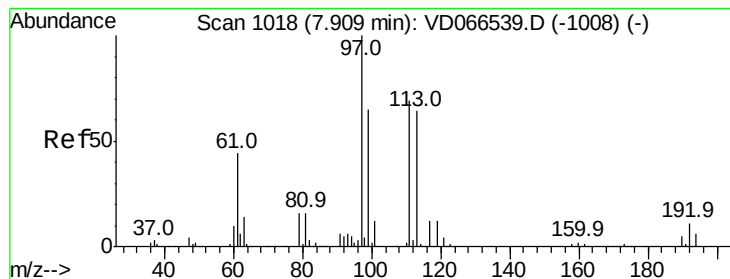
Tot Ion: 65 Resp: 245759
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066582.D
 Acq: 09 Sep 2020 14:47

Tgt Ion: 114 Resp: 693296
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.669 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-1

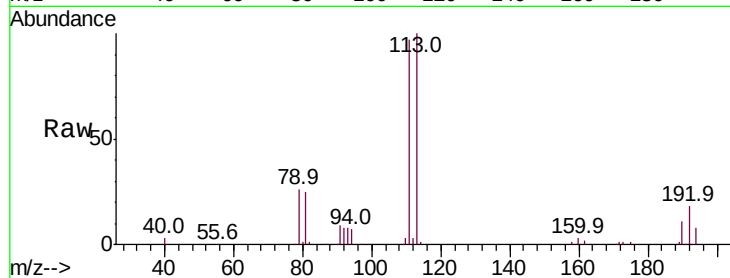
Tot Ion:113 Resp: 236983

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

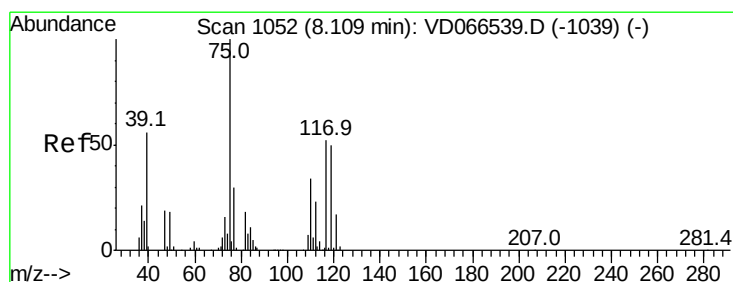
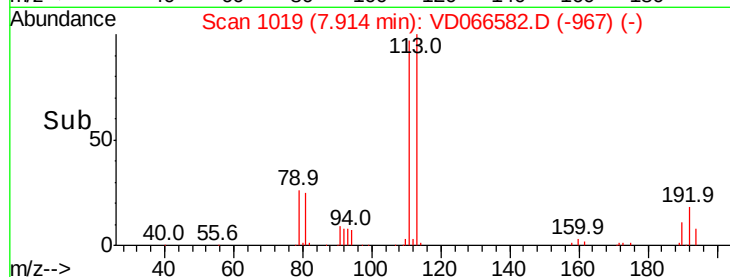
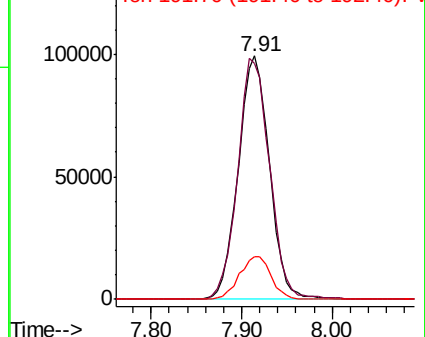
192 17.8 13.7 20.5



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: 4.865 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

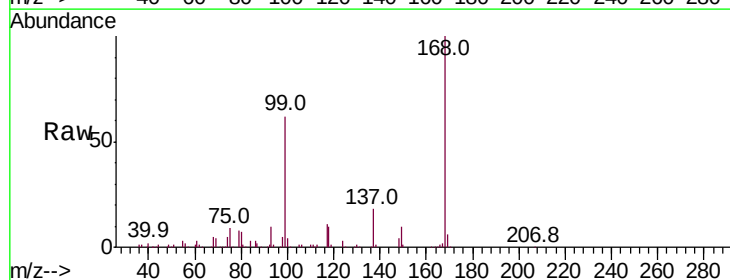
Tgt Ion: 75 Resp: 35104

Ion Ratio Lower Upper

75 100

110 10.2 17.3 52.0#

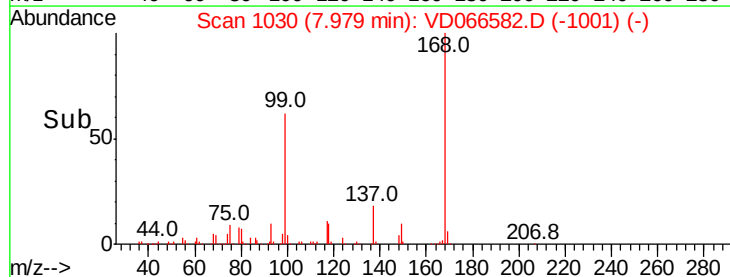
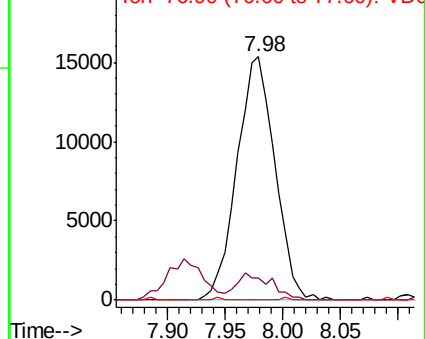
77 0.0 25.1 37.7#

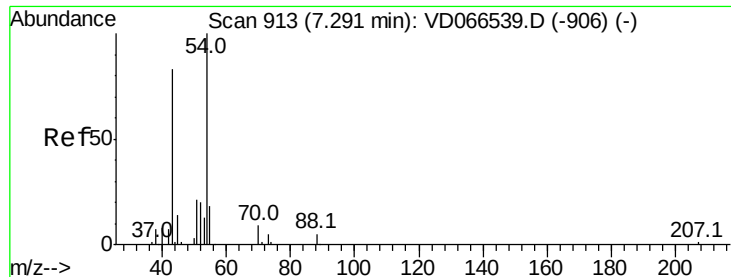


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

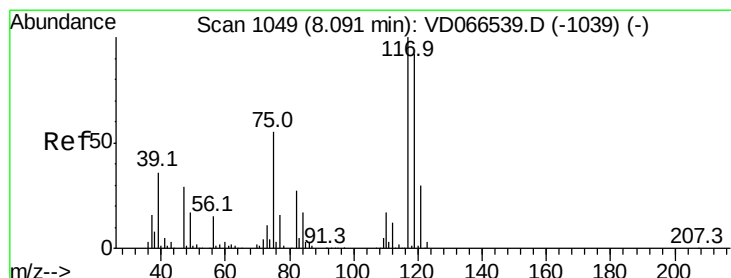
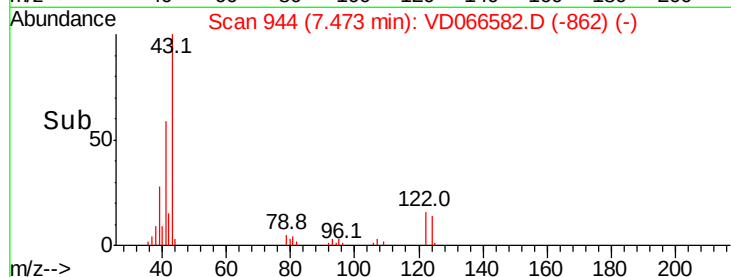
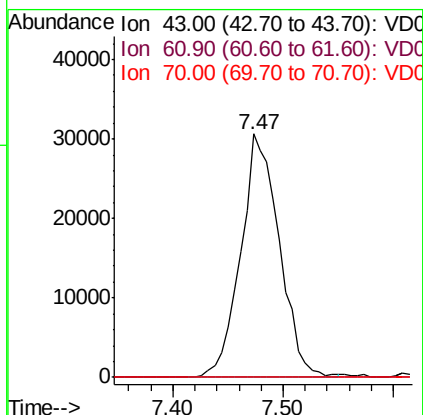
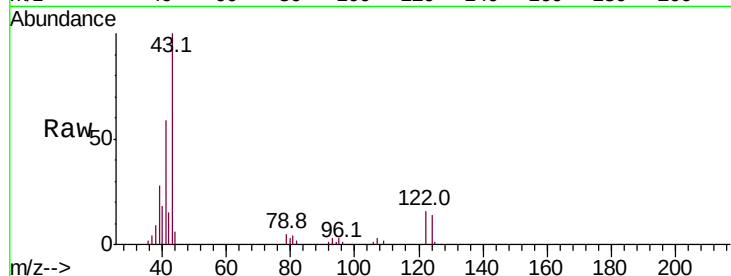




#37
Ethyl Acetate
Concen: 26.125 ug/l
RT: 7.47 min Scan# 944
Delta R.T. 0.18 min
Lab File: VD066582.D
Acq: 09 Sep 2020 14:47

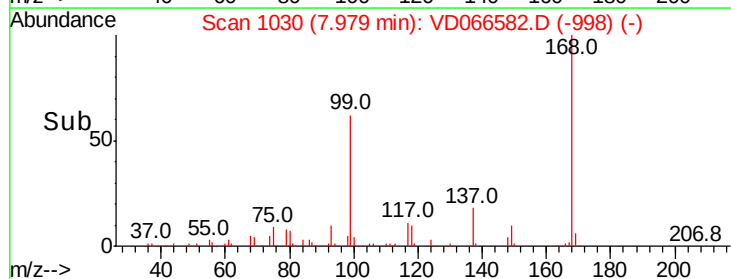
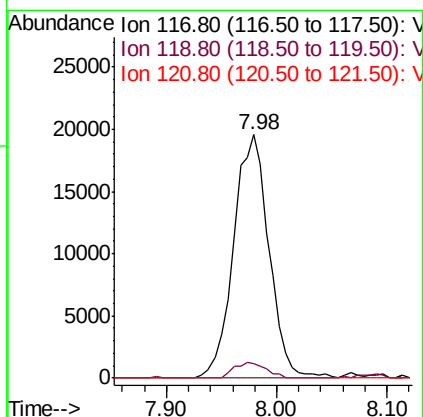
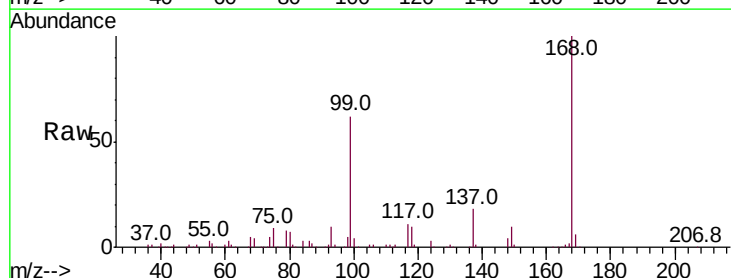
Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-1

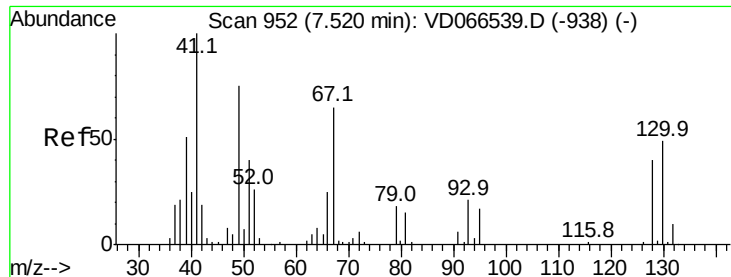
Tot Ion: 43 Resp: 75058
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.771 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066582.D
Acq: 09 Sep 2020 14:47

Tgt Ion: 117 Resp: 44015
Ion Ratio Lower Upper
117 100
119 5.9 73.9 110.9#
121 0.0 24.1 36.1#





#41

Methacrylonitrile

Concen: 34.202 ug/l

RT: 7.47 min Scan# 944

Delta R.T. -0.05 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-1

Tot Ion: 41 Resp: 47566

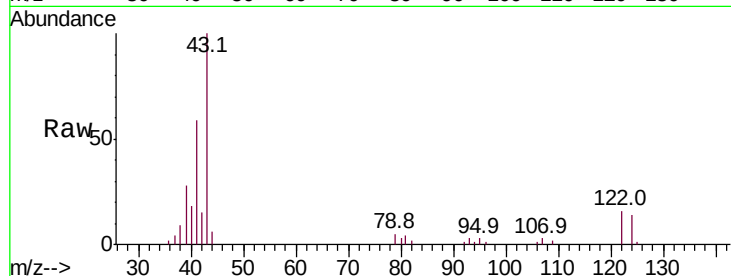
Ion Ratio Lower Upper

41 100

39 49.5 53.6 80.4#

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

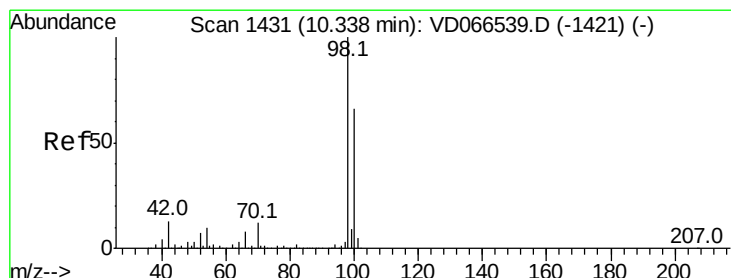
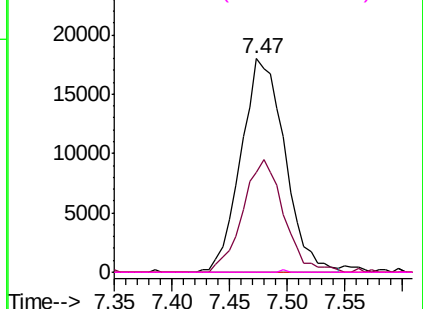
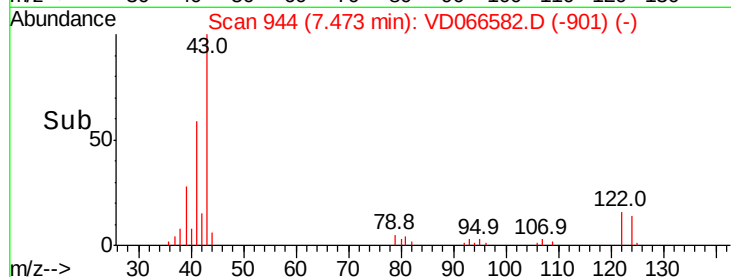


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 49.936 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066582.D

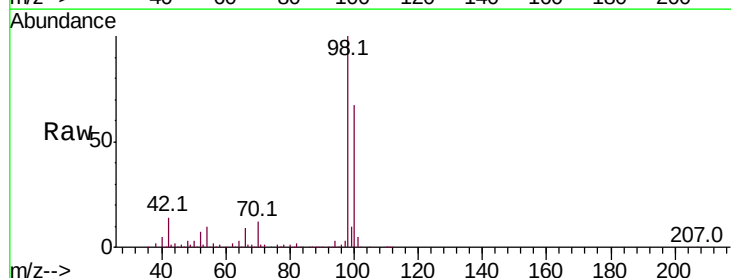
Acq: 09 Sep 2020 14:47

Tgt Ion: 98 Resp: 834750

Ion Ratio Lower Upper

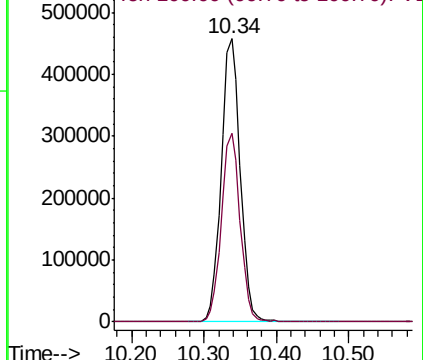
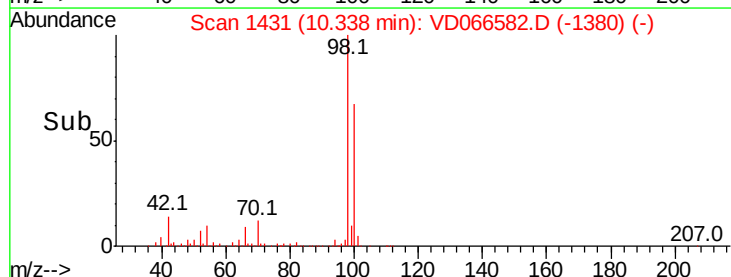
98 100

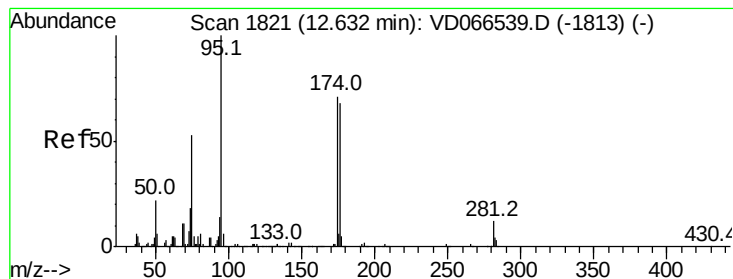
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 50.912 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066582.D

Acq: 09 Sep 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-1

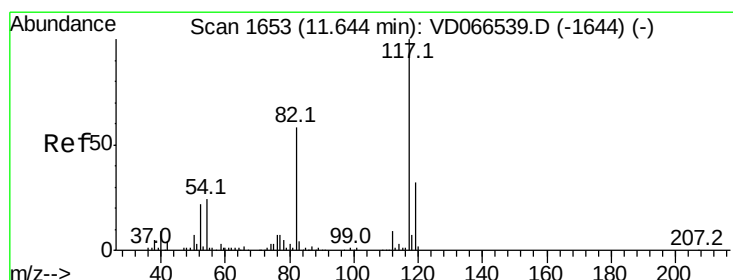
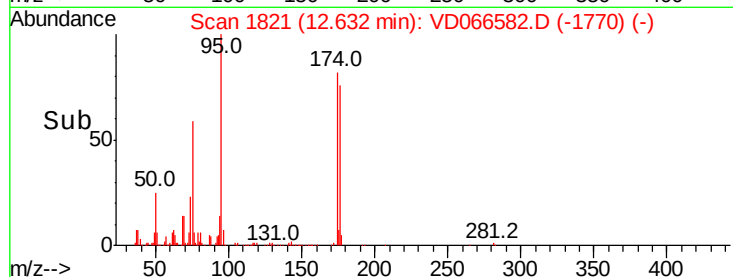
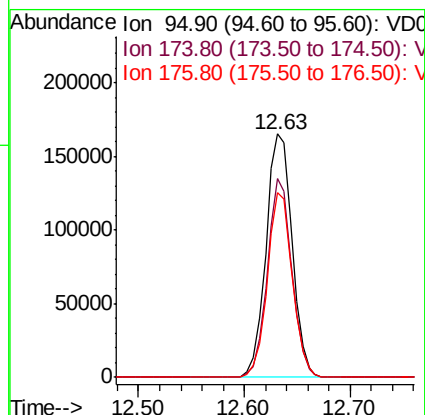
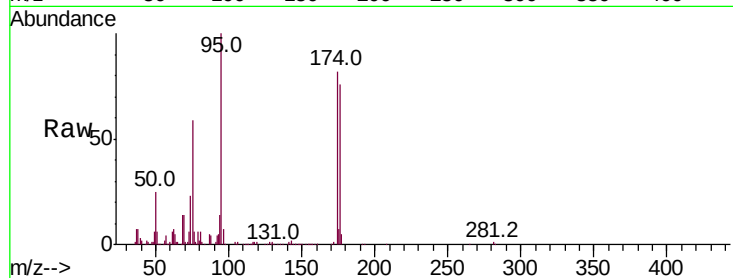
Tot Ion: 95 Resp: 282205

Ion Ratio Lower Upper

95 100

174 76.5 0.0 155.8

176 72.6 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: VD066582.D

Acq: 09 Sep 2020 14:47

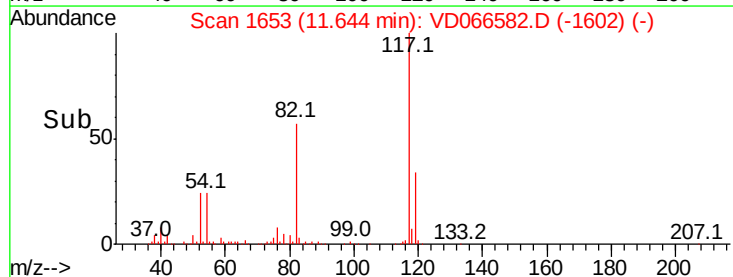
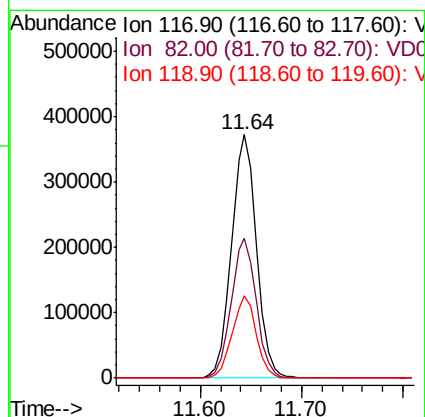
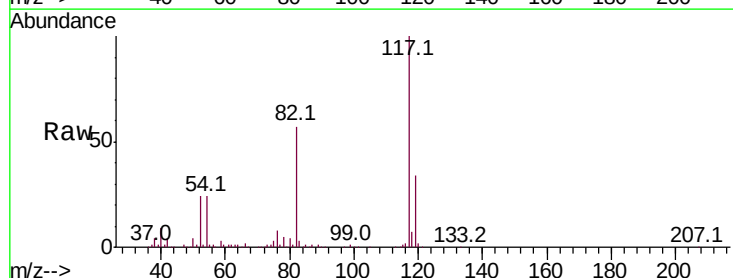
Tgt Ion: 117 Resp: 633851

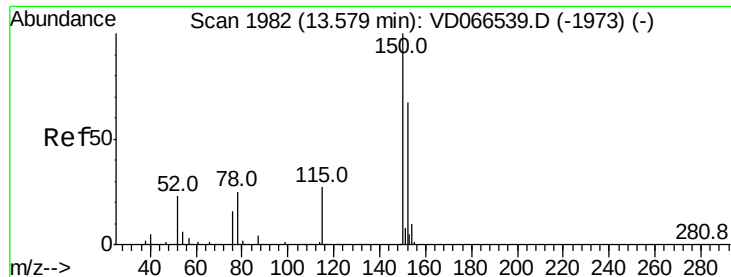
Ion Ratio Lower Upper

117 100

82 57.2 46.2 69.2

119 33.9 25.8 38.8



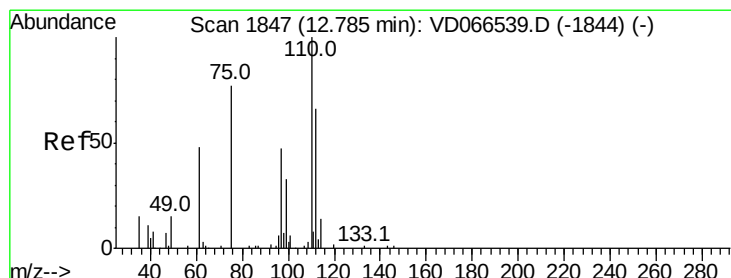
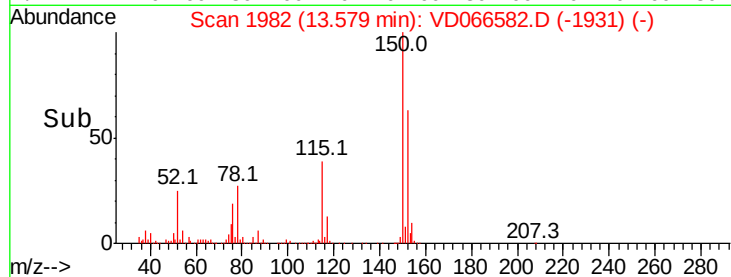
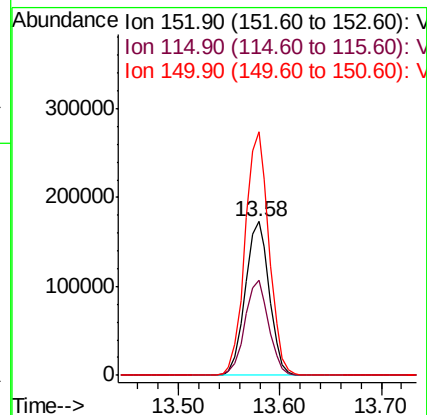
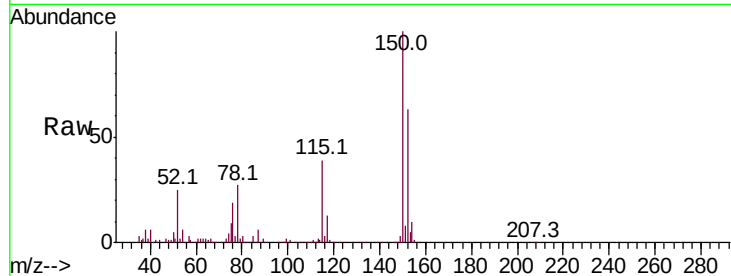


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066582.D
Acq: 09 Sep 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-1

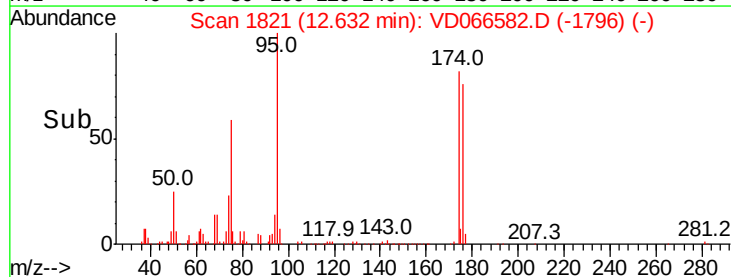
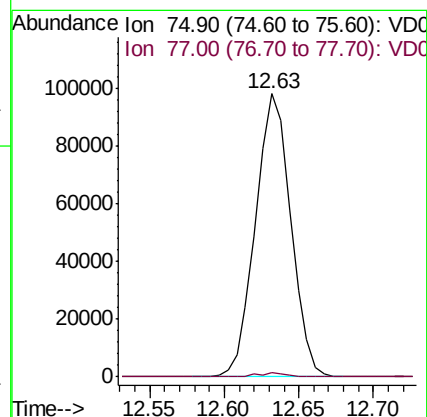
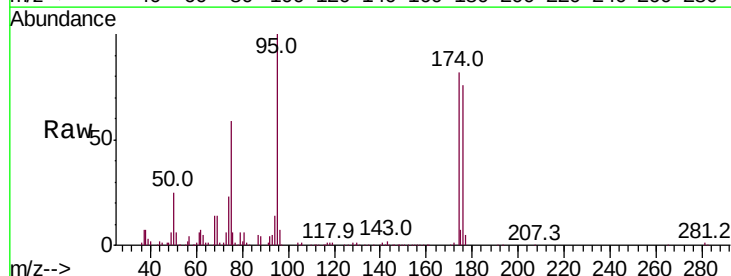
Tot Ion:152 Resp: 283605
Ion Ratio Lower Upper
152 100
115 61.2 30.4 91.2
150 157.5 0.0 345.8

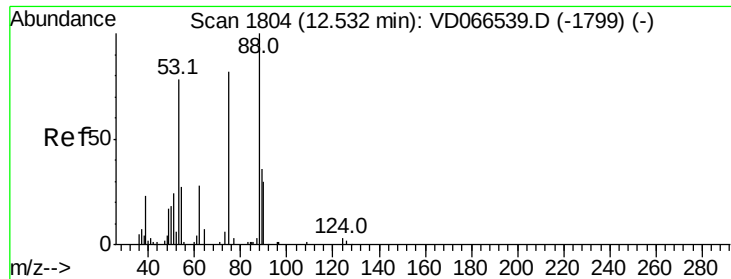


#76

1,2,3-Trichloropropane
Concen: 58.922 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066582.D
Acq: 09 Sep 2020 14:47

Tgt Ion: 75 Resp: 160710
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.561 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066582.D
 Acq: 09 Sep 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 AL-FALAH-1

Tot Ion: 75 Resp: 160710
 Ion Ratio Lower Upper
 75 100
 53 0.4 87.0 130.4#
 89 0.0 37.1 55.7#

