

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066585.D
 Acq On : 09 Sep 2020 16:09
 Operator : VA/SY
 Sample : L3894-08
 Misc : 7.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AL-FALAH-4

Quant Time: Sep 10 01:40:51 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	350765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	672025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265497	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	246256	58.03	ug/l	0.00
Spiked Amount			Recovery	=	116.06%	
35) Dibromofluoromethane	7.91	113	229106	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.34	98	817977	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.63	95	268187	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

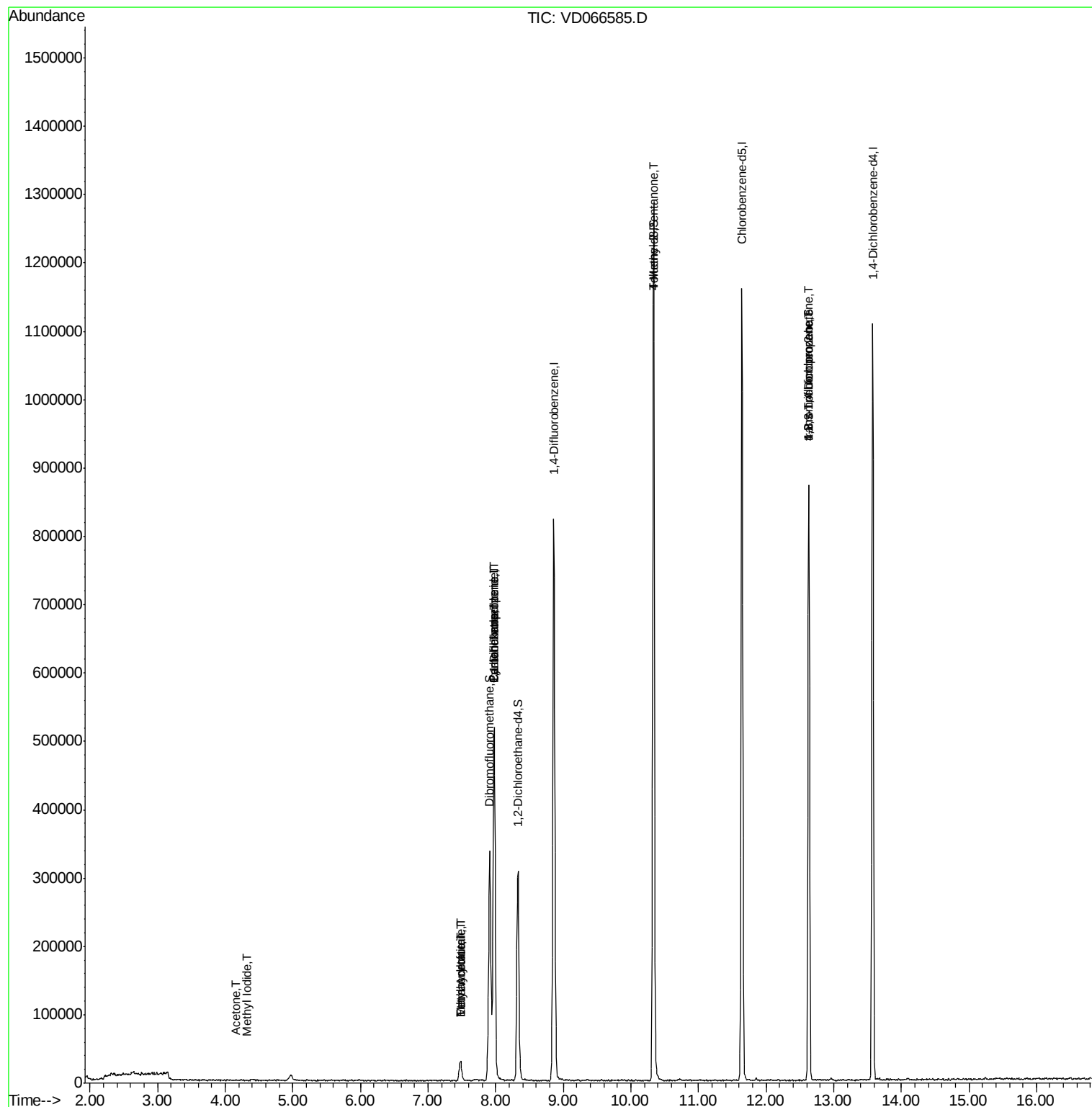
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	457	Below Cal	#	48
10) Methyl Iodide	4.32	142	123	4.055	ug/l #	35
16) Acetone	4.16	43	992	1.270	ug/l #	46
20) Methylene Chloride	4.96	84	6223	Below Cal		91
29) Tetrahydrofuran	7.48	42	4259	6.524	ug/l #	35
31) Cyclohexane	7.97	56	9831	1.420	ug/l #	38
36) 1,1-Dichloropropene	7.97	75	34273	4.901	ug/l #	50
37) Ethyl Acetate	7.48	43	26220	9.415	ug/l #	68
38) Carbon Tetrachloride	7.98	117	41495	5.613	ug/l #	17
41) Methacrylonitrile	7.48	41	16255	12.058	ug/l #	41
51) 4-Methyl-2-Pentanone	10.34	43	4475	1.663	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	153951	60.293	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	153951	140.764	ug/l #	7

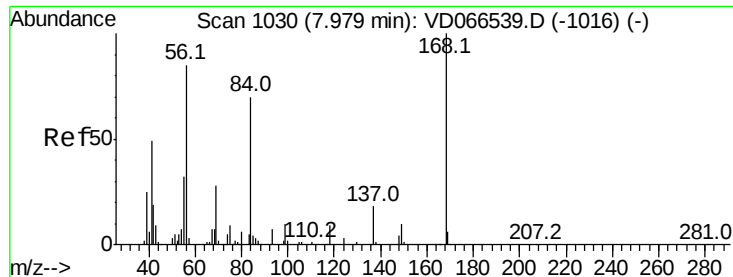
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066585.D

Acq: 09 Sep 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

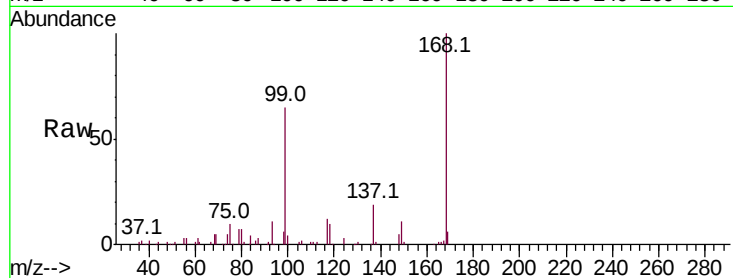
AL-FALAH-4

Tot Ion:168 Resp: 350765

Ion Ratio Lower Upper

168 100

99 65.3 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

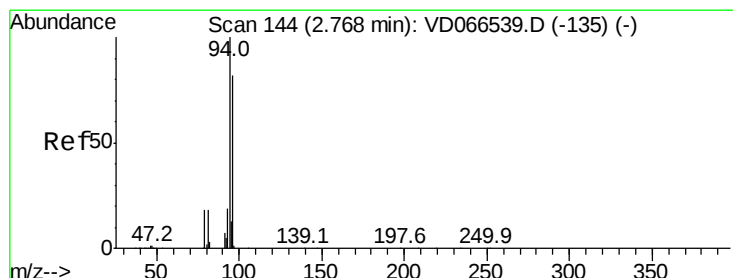
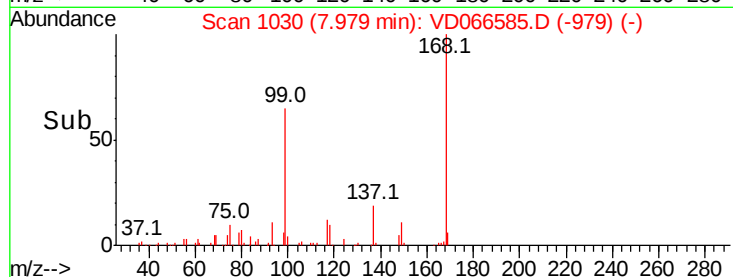
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD066585.D

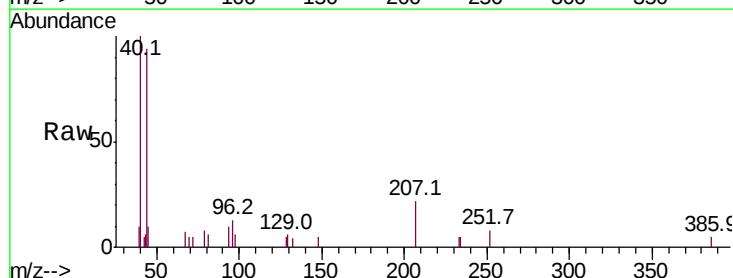
Acq: 09 Sep 2020 16:09

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

94 100

96 127.4 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

500

400

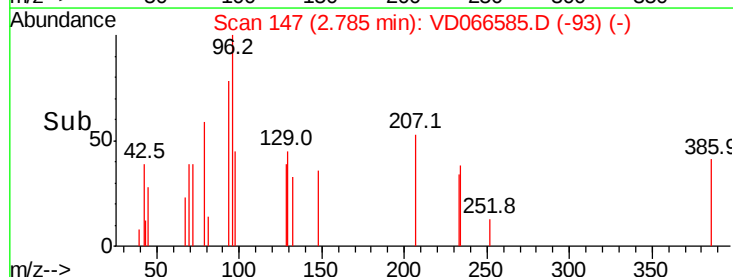
300

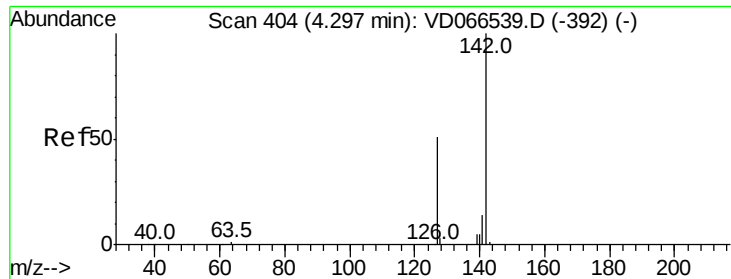
200

100

0

Time-->

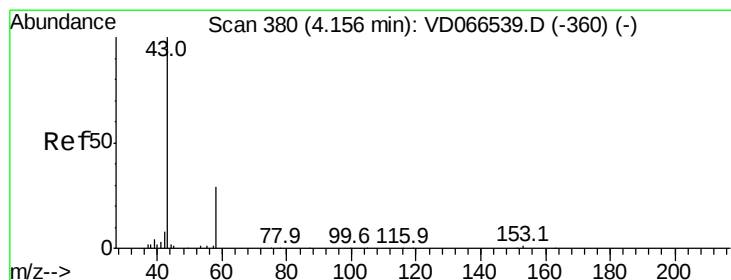
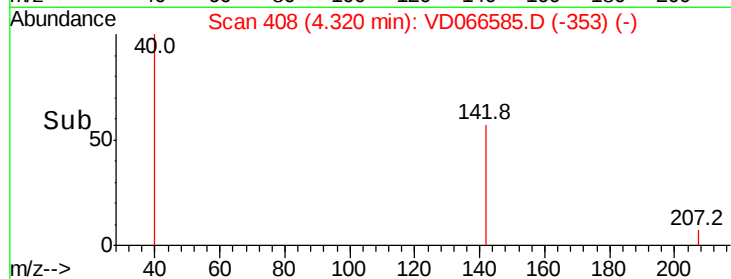
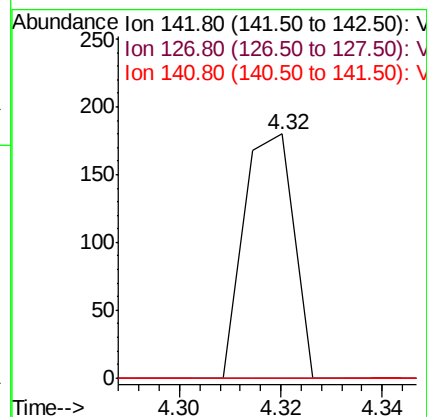
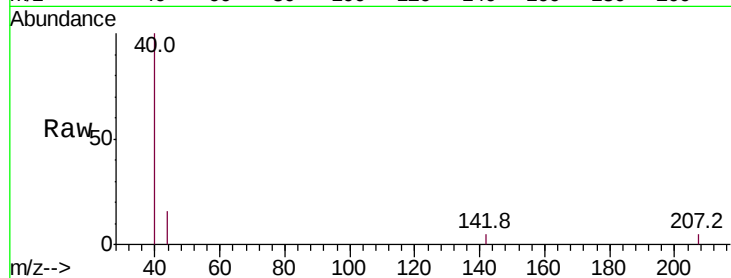




#10
Methyl Iodide
Concen: 4.055 ug/l
RT: 4.32 min Scan# 408
Delta R.T. 0.02 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

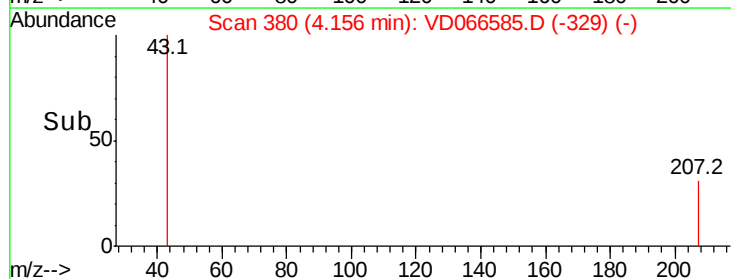
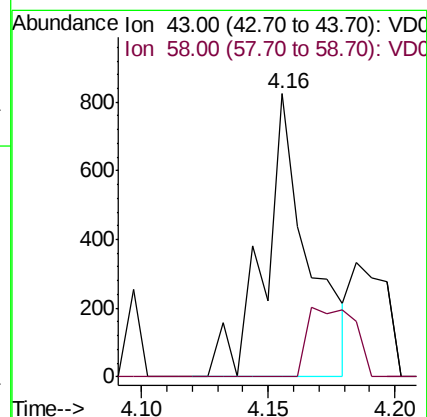
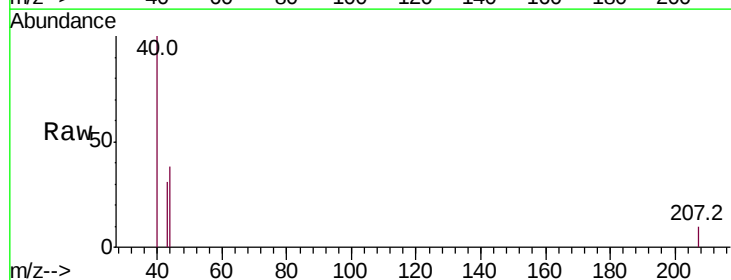
Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-4

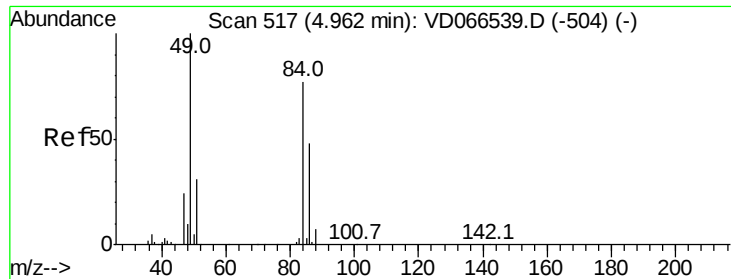
Tot Ion:142 Resp: 123
Ion Ratio Lower Upper
142 100
127 0.0 40.6 61.0#
141 0.0 12.2 18.4#



#16
Acetone
Concen: 1.270 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#

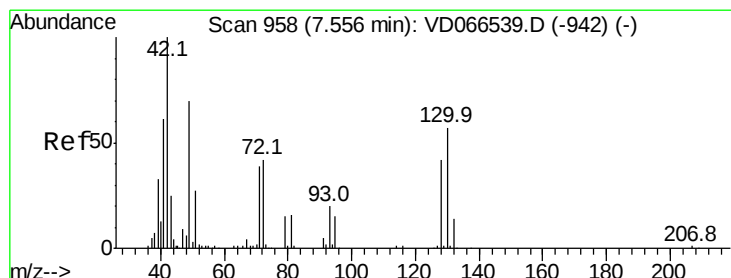
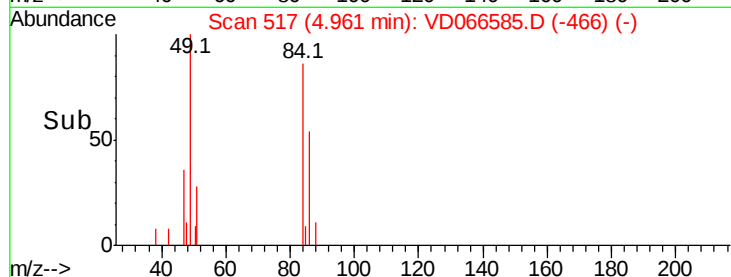
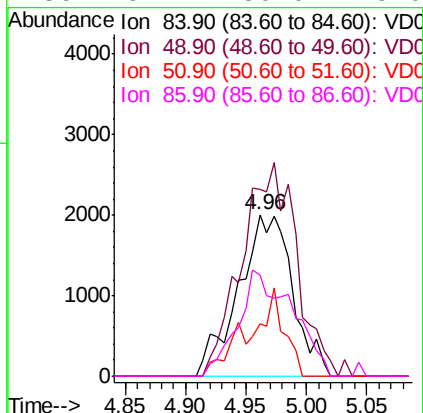
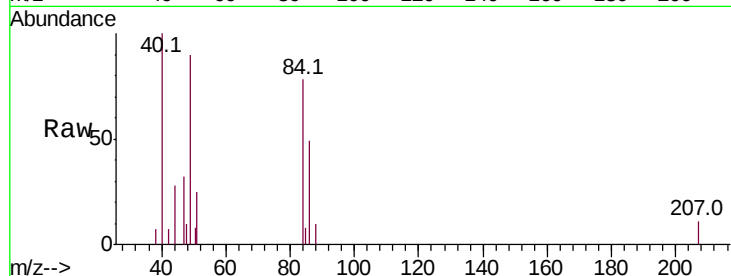




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

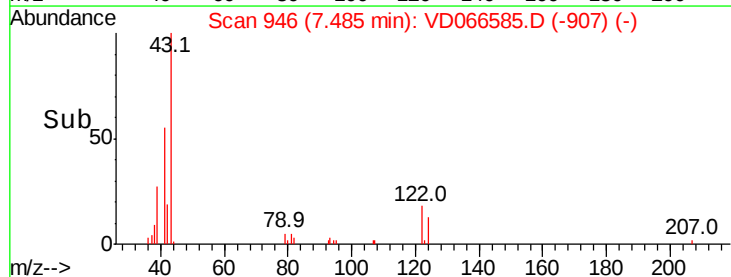
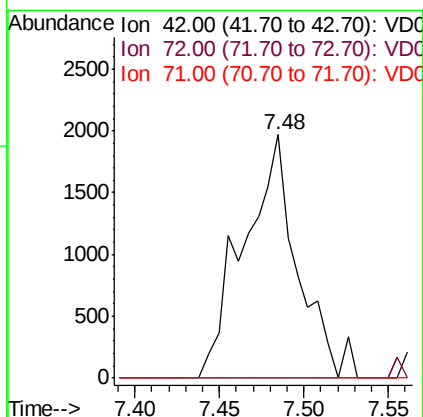
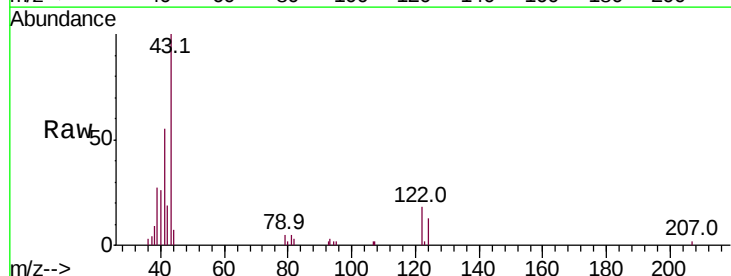
Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-4

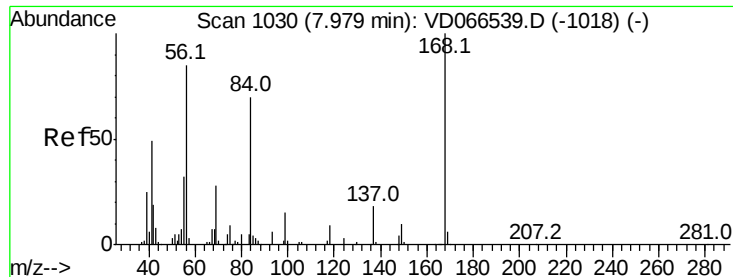
Tot Ion:	84	Resp:	6223
Ion	Ratio	Lower	Upper
84	100		
49	115.7	104.3	156.5
51	32.8	32.2	48.4
86	62.7	50.0	75.0



#29
Tetrahydrofuran
Concen: 6.524 ug/l
RT: 7.48 min Scan# 946
Delta R.T. -0.07 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

Tgt Ion:	42	Resp:	4259
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.9	47.9#

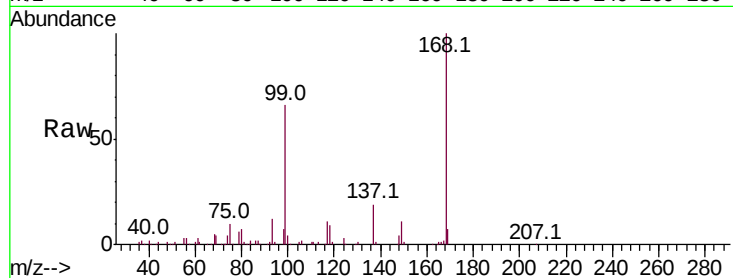




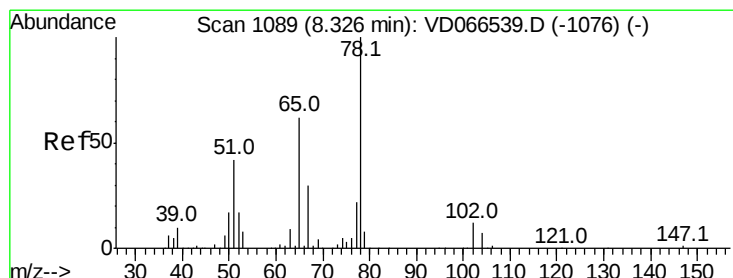
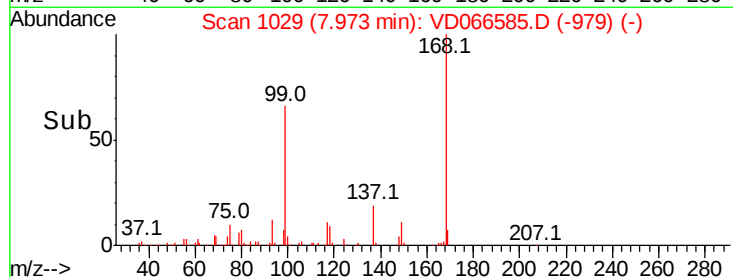
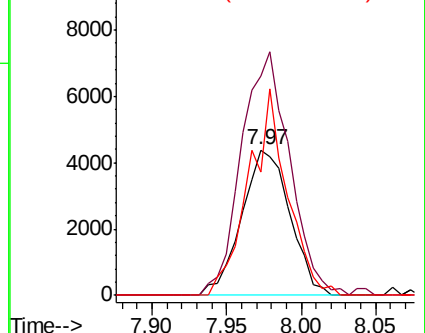
#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-4

Tot Ion: 56 Resp: 9831
Ion Ratio Lower Upper
56 100
69 151.2 26.3 39.5#
84 85.1 66.1 99.1

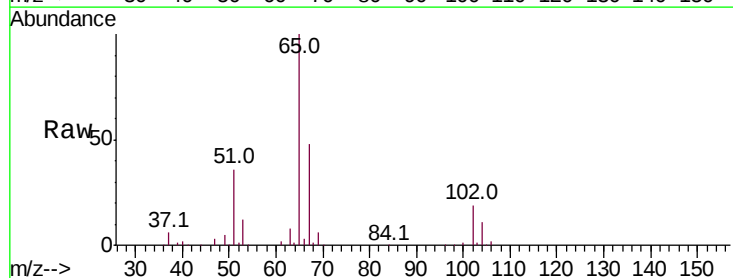


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

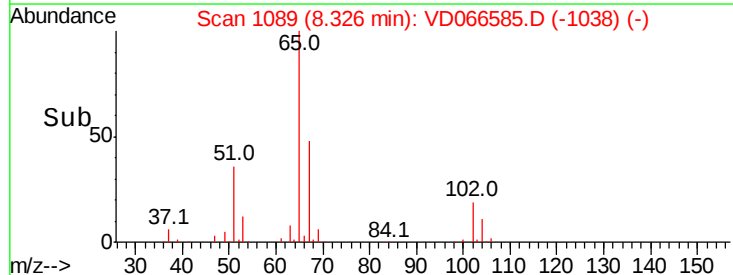
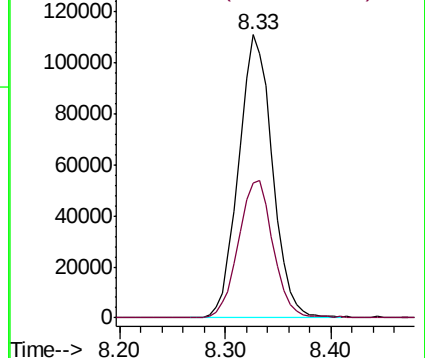


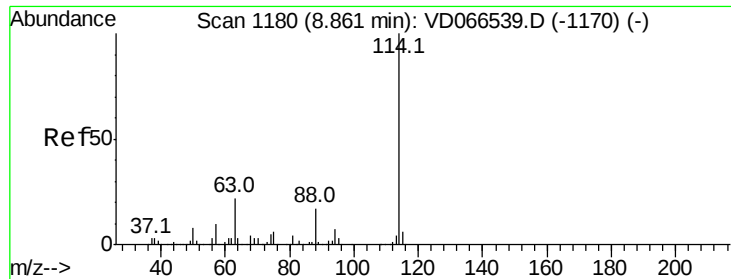
#33
1,2-Dichloroethane-d4
Concen: 58.026 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

Tgt Ion: 65 Resp: 246256
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

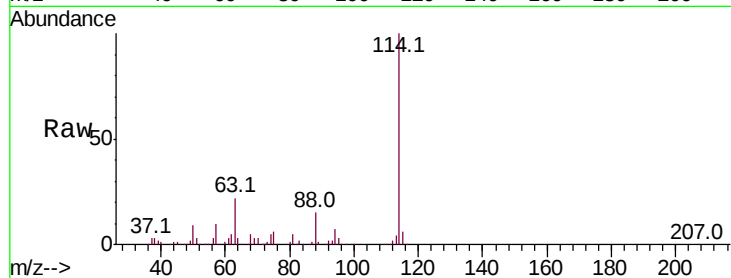




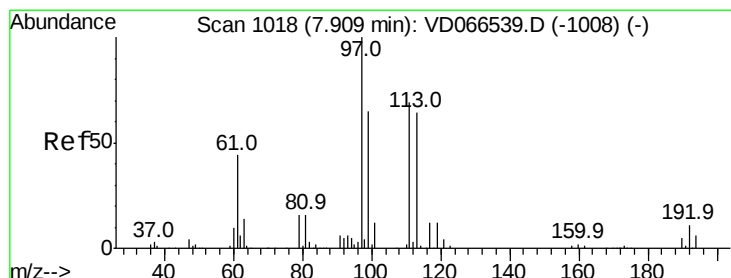
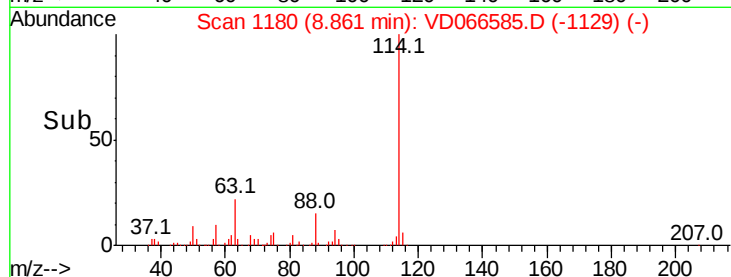
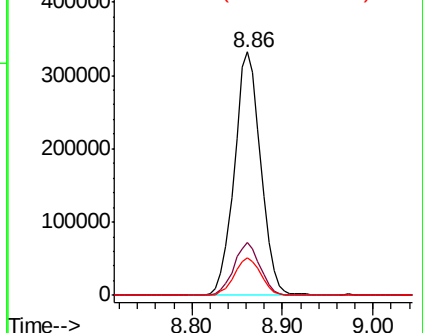
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066585.D
 Acq: 09 Sep 2020 16:09

Instrument :
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 ClientSampleId :
 AL-FALAH-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	15.2	0.0	33.2

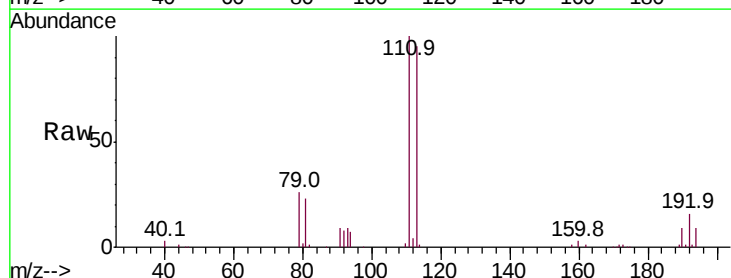


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

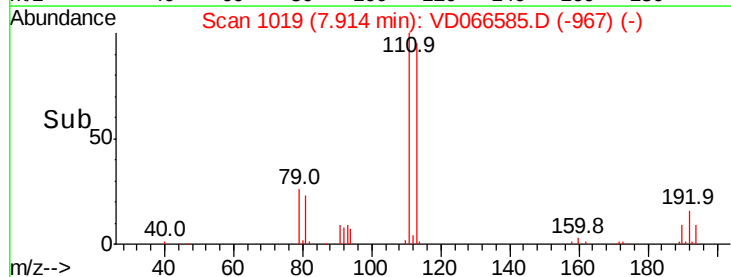
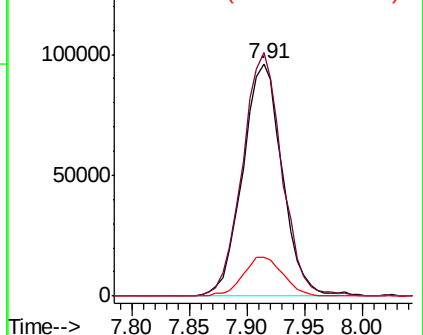


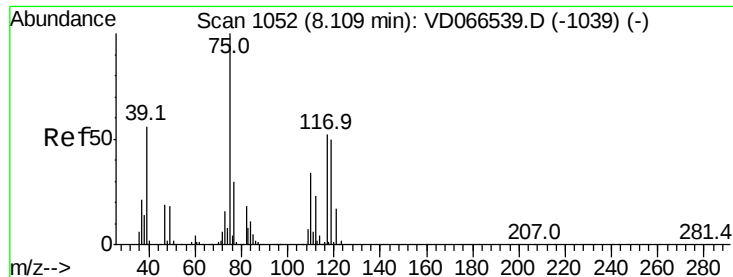
#35
 Dibromofluoromethane
 Concen: 50.536 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066585.D
 Acq: 09 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.2	124.8
192	17.0	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

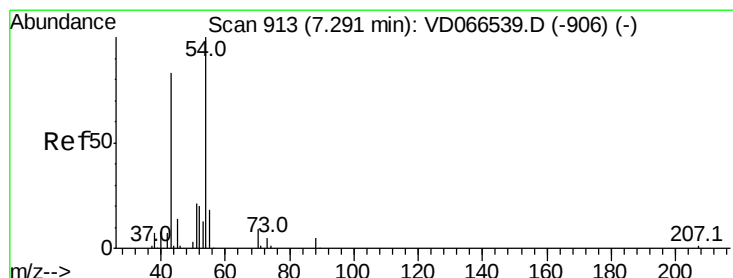
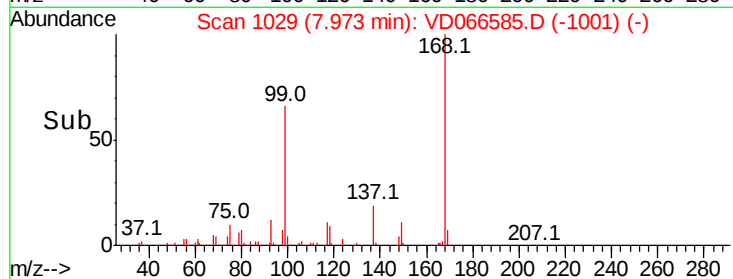
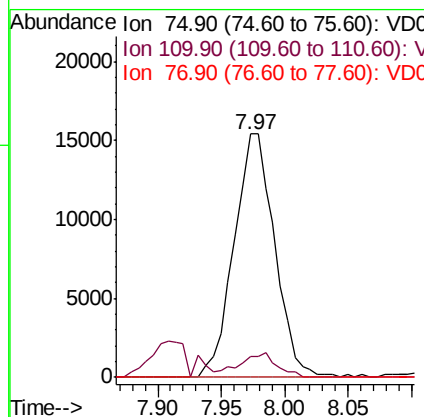
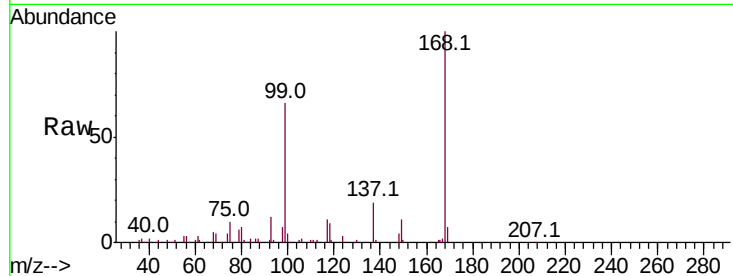




#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066585.D
 Acq: 09 Sep 2020 16:09

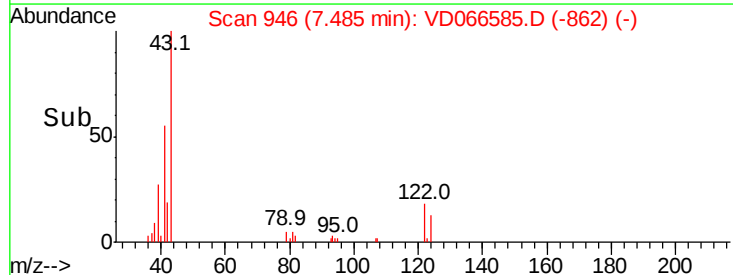
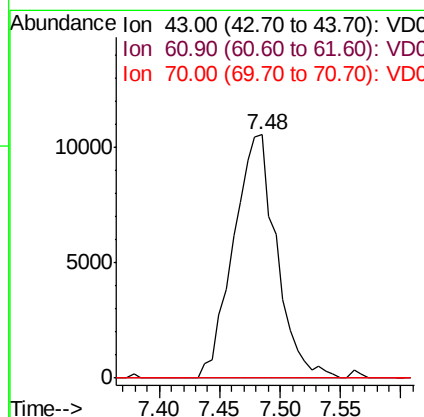
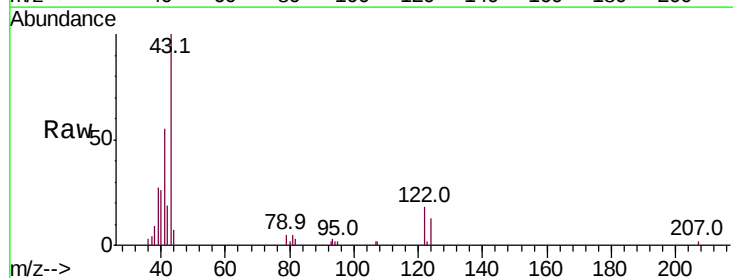
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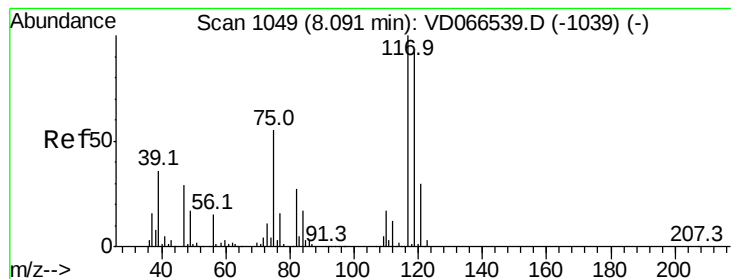
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.3	52.0#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 9.415 ug/l
 RT: 7.48 min Scan# 946
 Delta R.T. 0.19 min
 Lab File: VD066585.D
 Acq: 09 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 5.613 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066585.D

Acq: 09 Sep 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-4

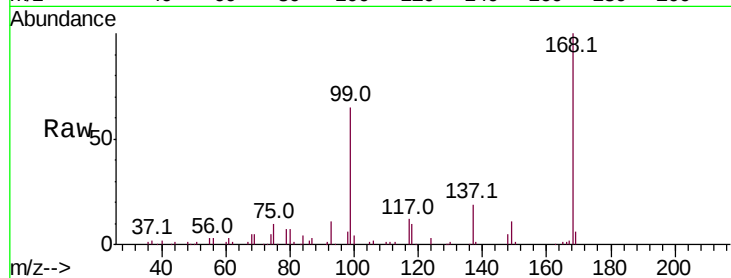
Tot Ion:117 Resp: 41495

Ion Ratio Lower Upper

117 100

119 4.1 73.9 110.9#

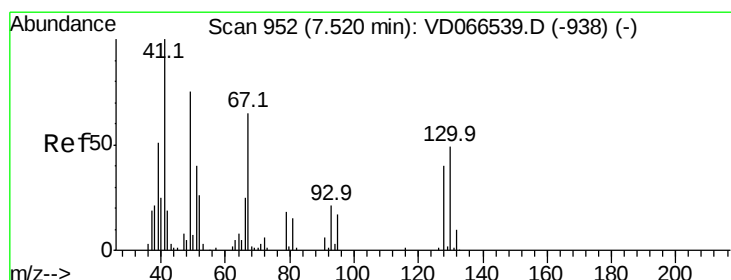
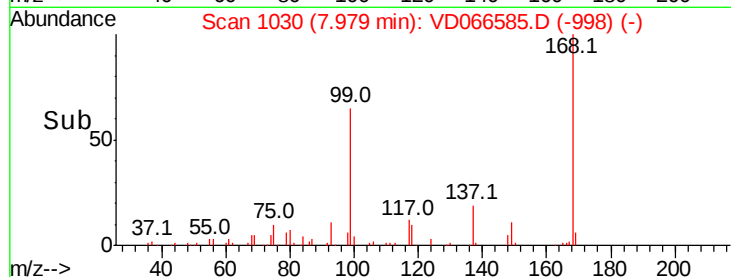
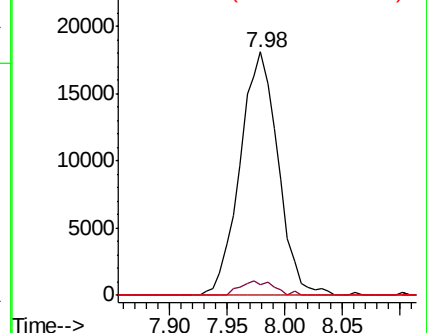
121 0.0 24.1 36.1#



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: 12.058 ug/l

RT: 7.48 min Scan# 946

Delta R.T. -0.04 min

Lab File: VD066585.D

Acq: 09 Sep 2020 16:09

Tgt Ion: 41 Resp: 16255

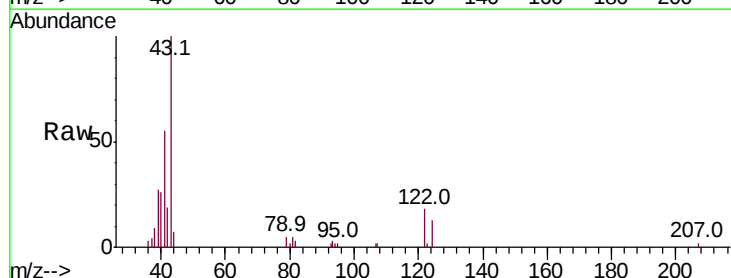
Ion Ratio Lower Upper

41 100

39 44.6 53.6 80.4#

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

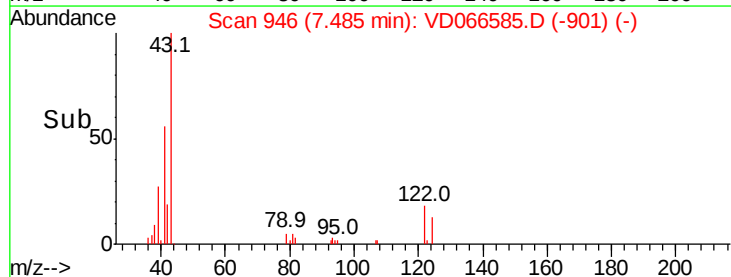
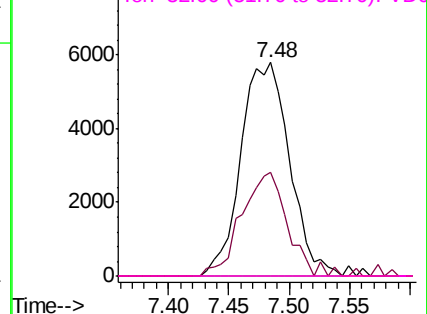


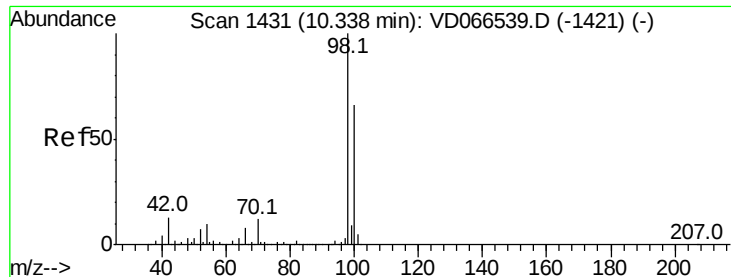
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

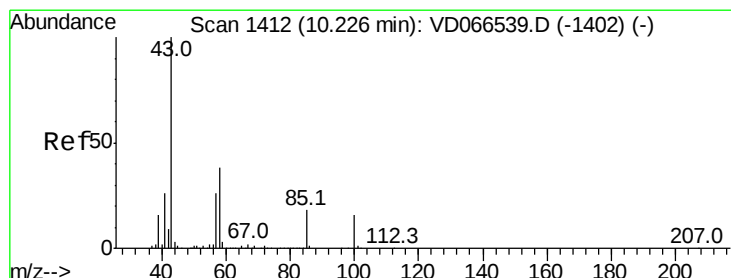
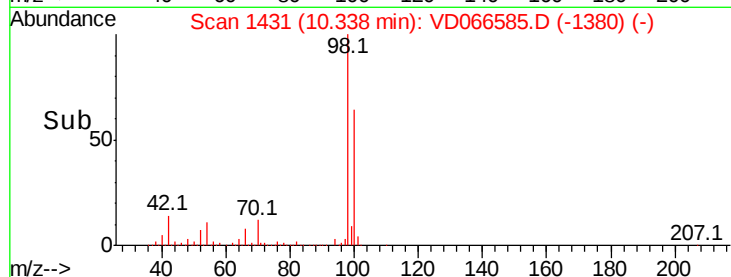
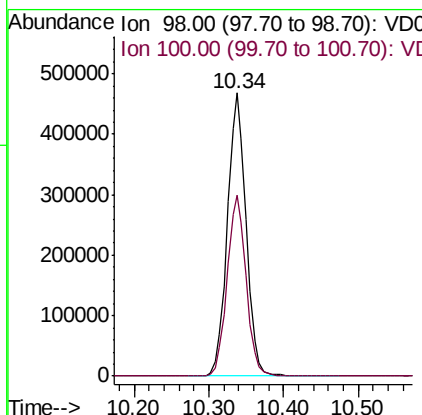
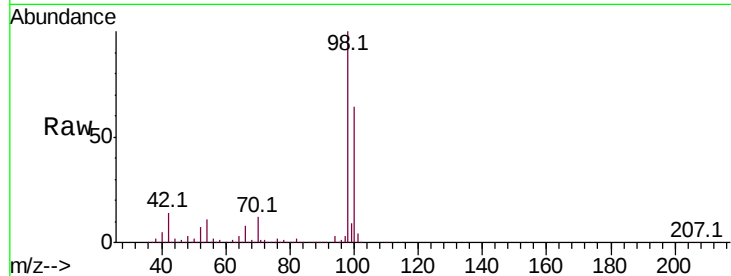




#50
Toluene-d8
Concen: 50.481 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

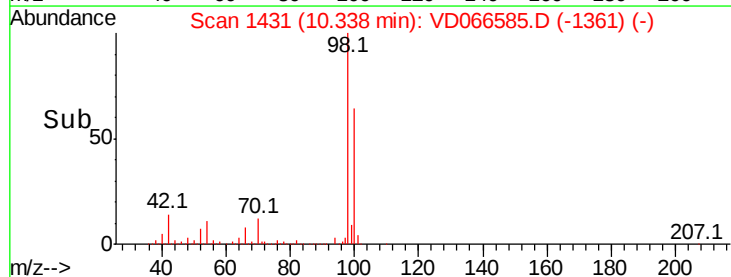
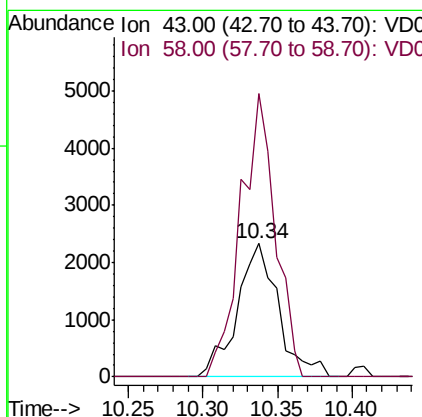
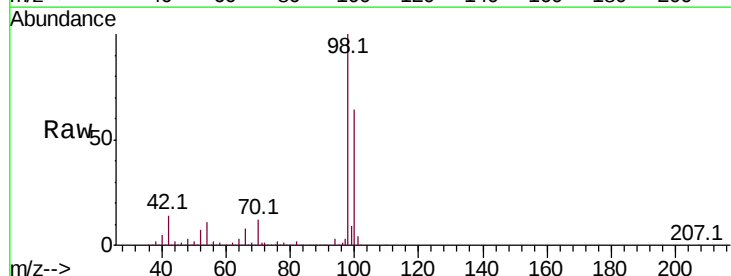
Instrument :
MSVOA_D
ClientSampleId :
AL-FALAH-4

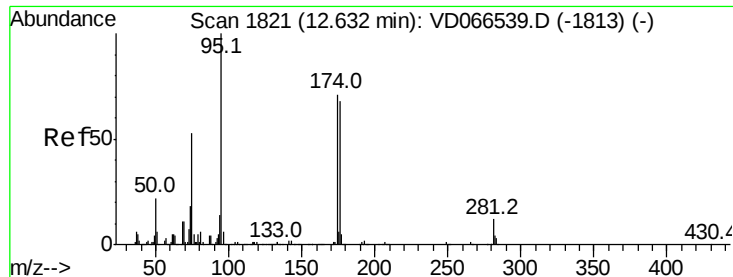
Tot Ion: 98 Resp: 817977
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.663 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066585.D
Acq: 09 Sep 2020 16:09

Tgt Ion: 43 Resp: 4475
Ion Ratio Lower Upper
43 100
58 177.7 30.5 45.7#





#62

4-Bromofluorobenzene

Concen: 49.915 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066585.D

Acq: 09 Sep 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-4

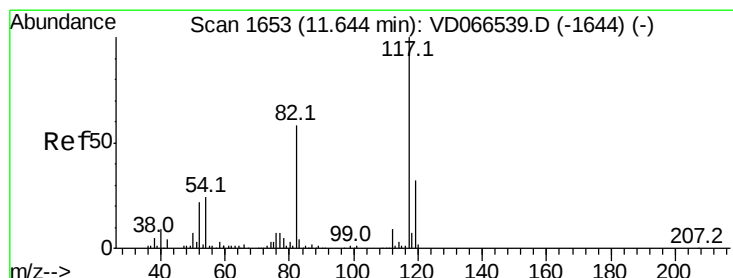
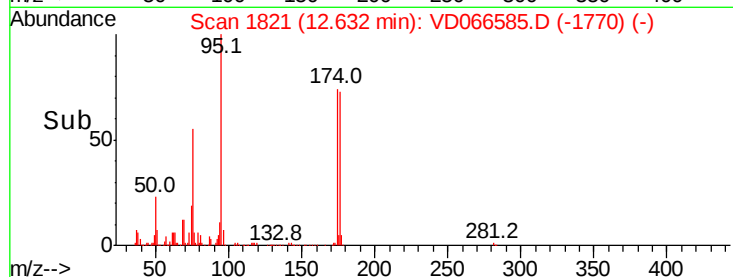
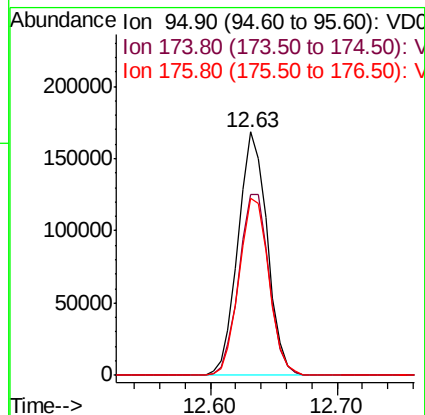
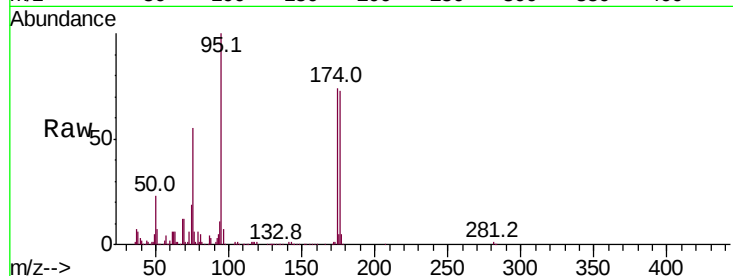
Tot Ion: 95 Resp: 268187

Ion Ratio Lower Upper

95 100

174 77.1 0.0 155.8

176 74.6 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: VD066585.D

Acq: 09 Sep 2020 16:09

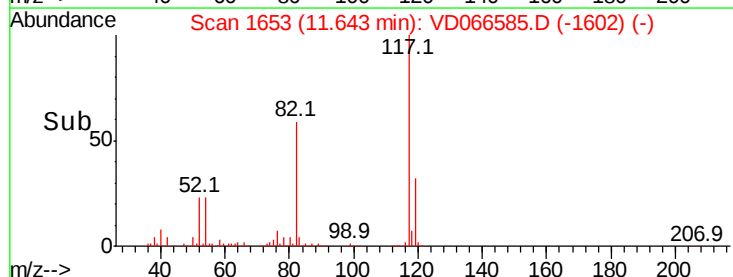
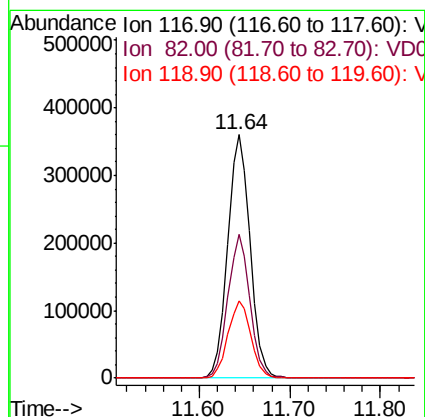
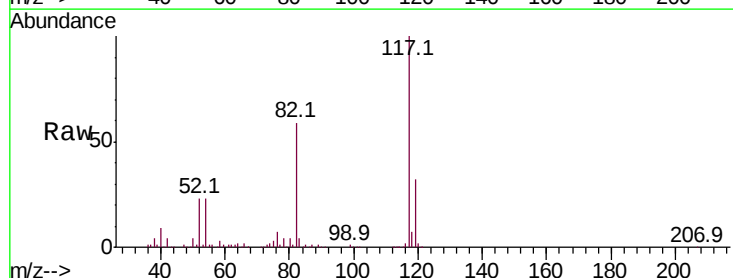
Tgt Ion: 117 Resp: 616532

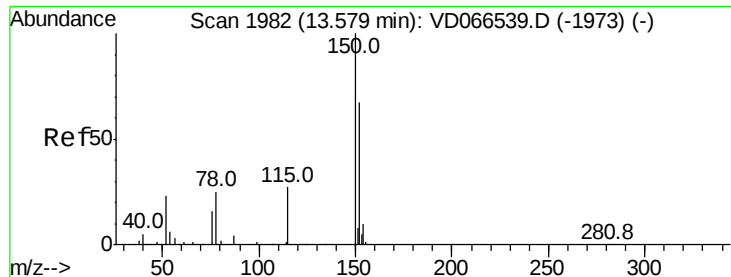
Ion Ratio Lower Upper

117 100

82 59.0 46.2 69.2

119 31.5 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: VD066585.D

Acq: 09 Sep 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-4

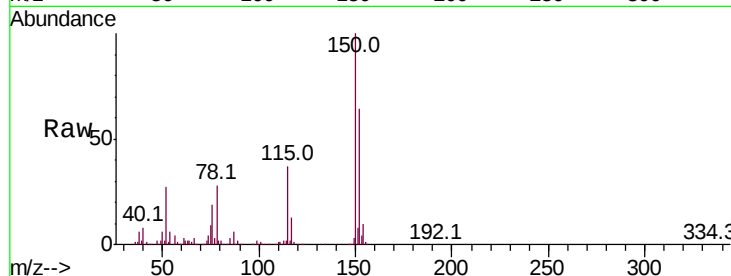
Tot Ion:152 Resp: 265497

Ion Ratio Lower Upper

152 100

115 62.3 30.4 91.2

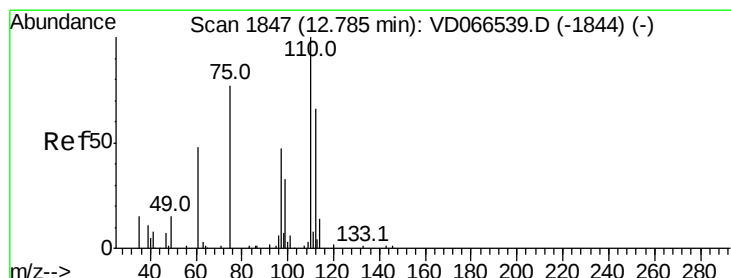
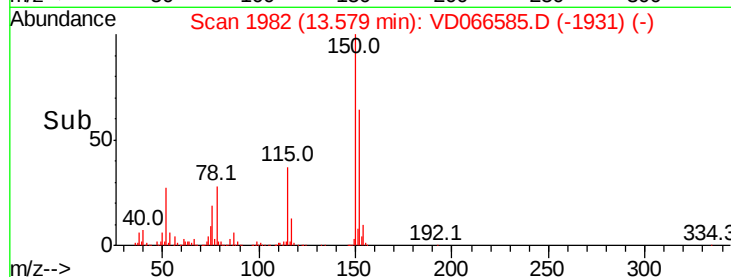
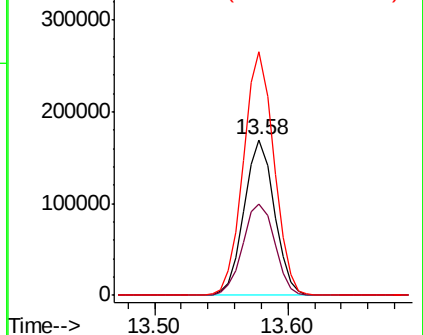
150 158.3 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 60.293 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066585.D

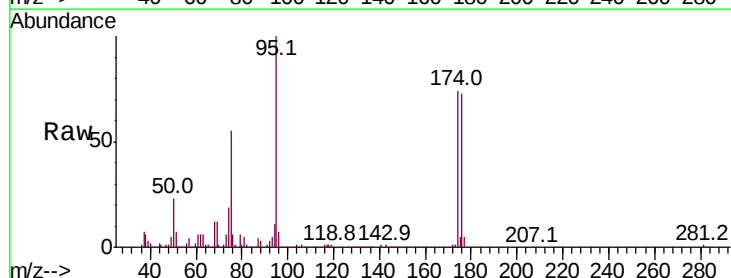
Acq: 09 Sep 2020 16:09

Tgt Ion: 75 Resp: 153951

Ion Ratio Lower Upper

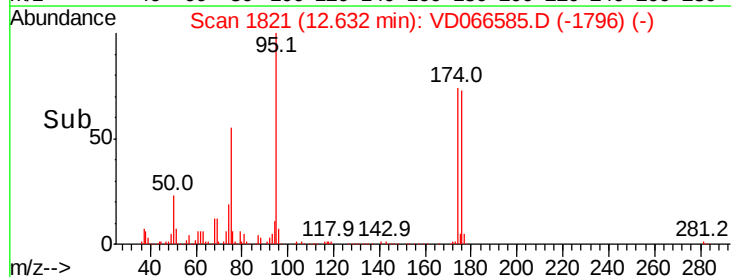
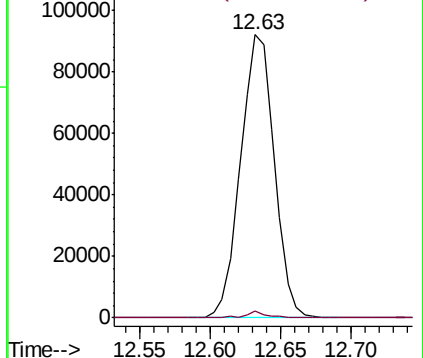
75 100

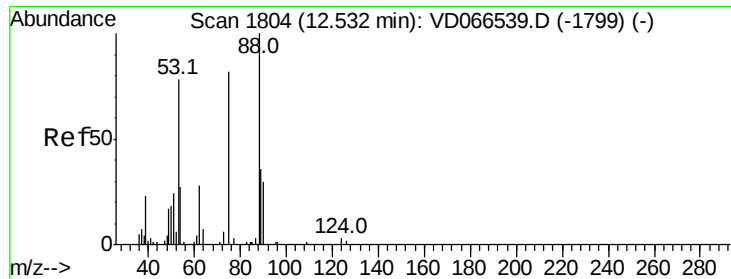
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 140.764 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066585.D

Acq: 09 Sep 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

AL-FALAH-4

Tot Ion: 75 Resp: 153951

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#

