

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036856.D
 Acq On : 27 Apr 2021 13:54
 Operator : SY/AP
 Sample : M2174-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:24:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1484080	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3526577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3114898	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2404612	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

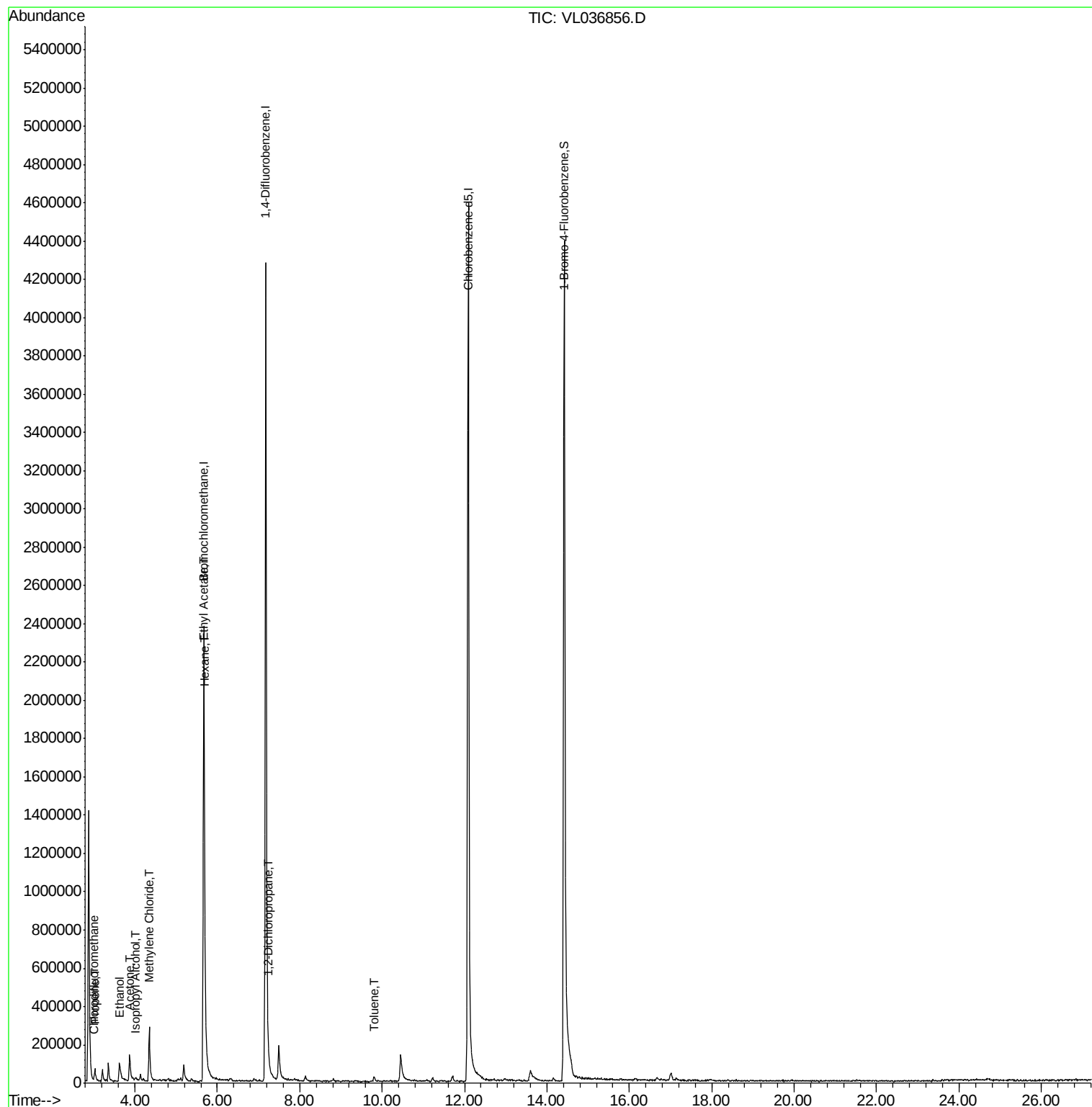
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	10686	0.040	ppbv	97
9) Propene	3.02	41	19716	0.239	ppbv	100
13) Ethanol	3.62	45	116274	11.068	ppbv	85
15) Acetone	3.87	43	94529	0.676	ppbv #	48
19) Isopropyl Alcohol	4.00	45	4144	0.060	ppbv #	1
20) Methylene Chloride	4.35	84	100952	1.509	ppbv	95
25) Ethyl Acetate	5.69	43	61537	0.180	ppbv #	77
26) Hexane	5.69	57	70252	0.439	ppbv #	43
39) 1,2-Dichloropropane	7.23	63	10434	0.088	ppbv #	19
53) Toluene	9.81	91	14166	0.046	ppbv #	68

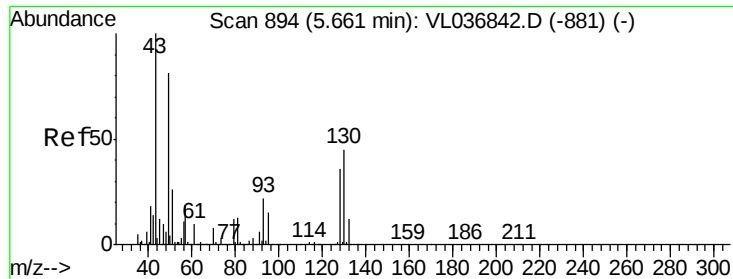
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 13:54

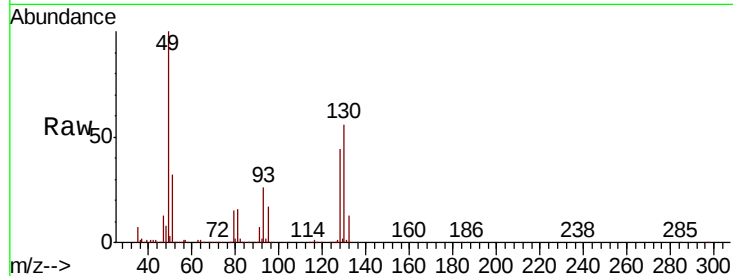
Tot Ion: 49 Resp: 1484080

Ion Ratio Lower Upper

49 100

128 46.7 24.4 73.2

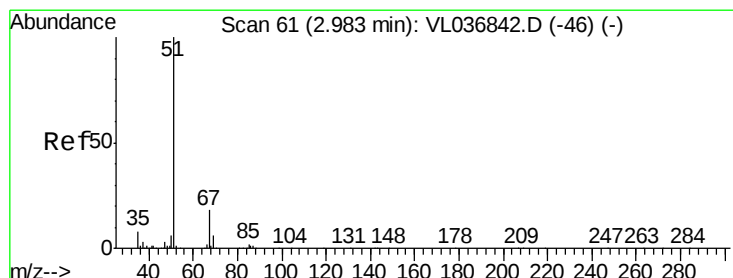
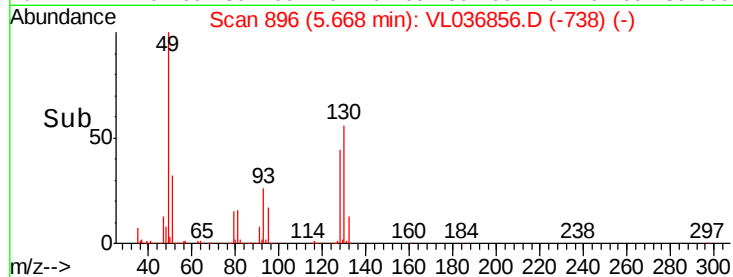
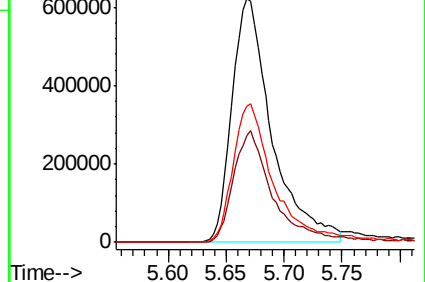
130 60.0 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.040 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL036856.D

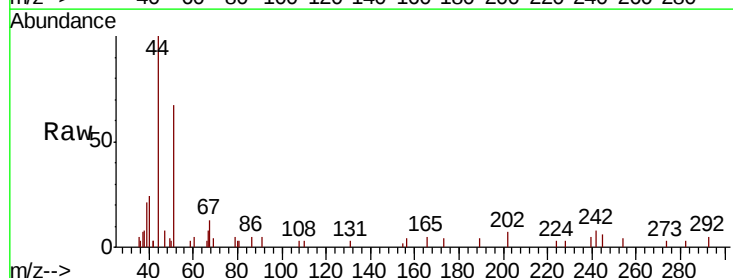
Acq: 27 Apr 2021 13:54

Tgt Ion: 51 Resp: 10686

Ion Ratio Lower Upper

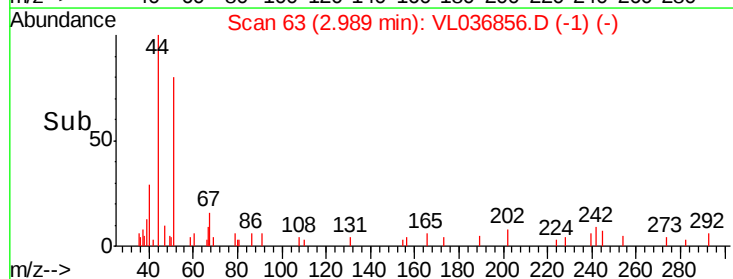
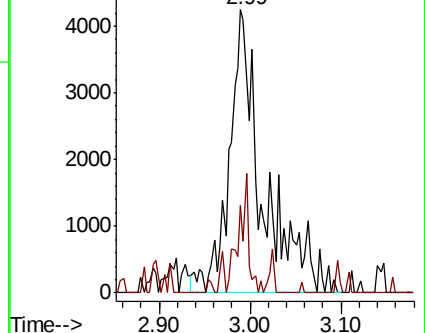
51 100

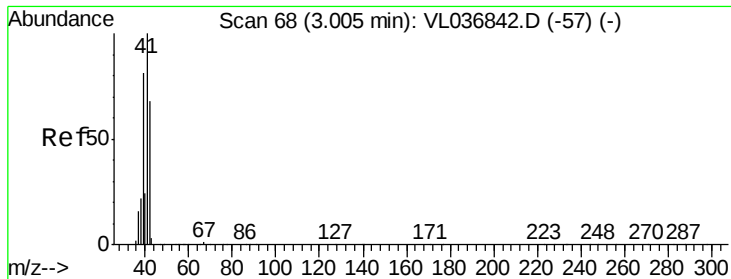
67 17.1 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.239 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

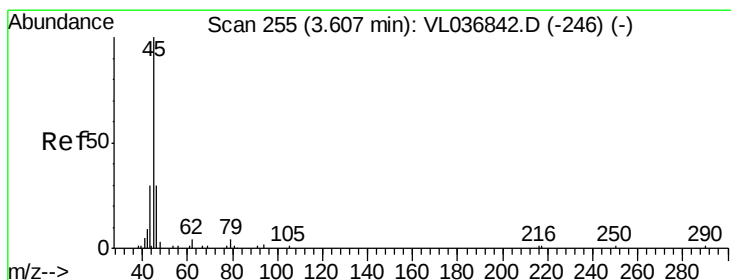
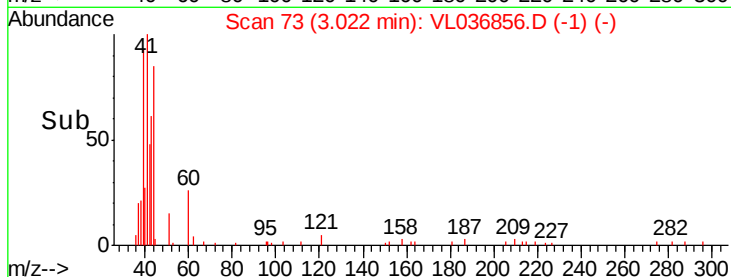
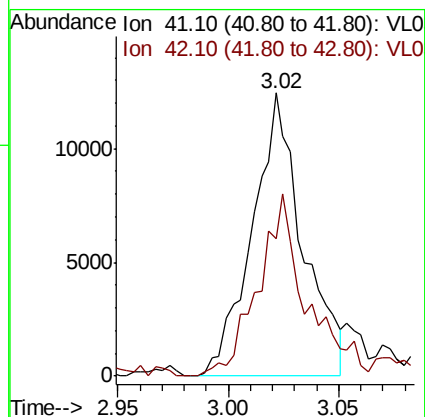
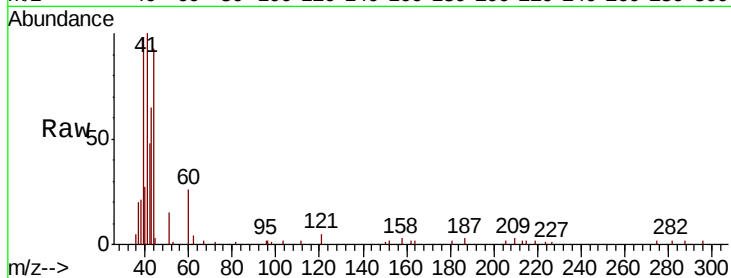
Acq: 27 Apr 2021 13:54

Tot Ion: 41 Resp: 19716

Ion Ratio Lower Upper

41 100

42 70.2 56.0 84.0



#13

Ethanol

Concen: 11.068 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL036856.D

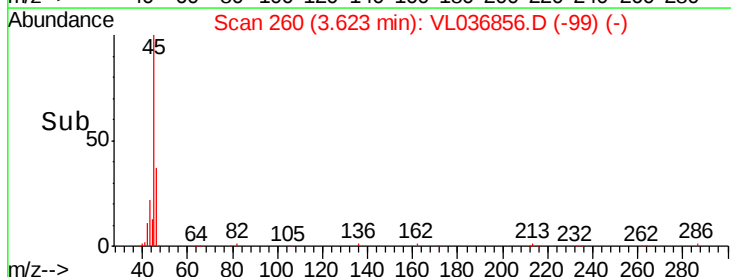
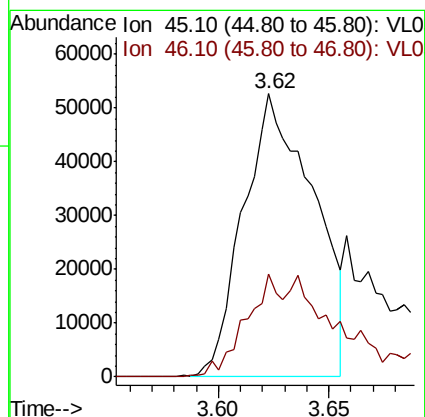
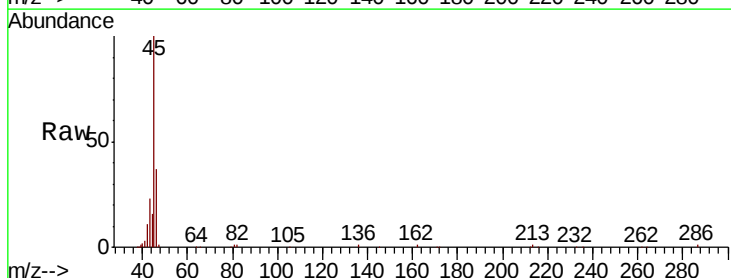
Acq: 27 Apr 2021 13:54

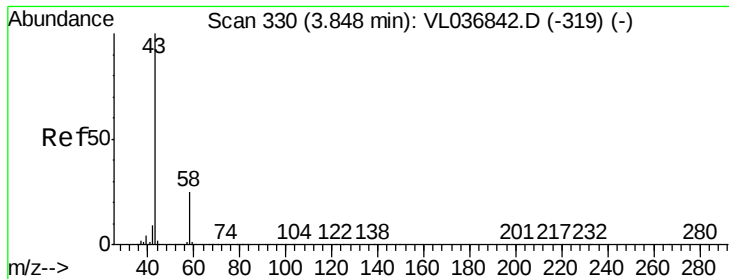
Tgt Ion: 45 Resp: 116274

Ion Ratio Lower Upper

45 100

46 51.8 16.8 67.4





#15

Acetone

Concen: 0.676 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

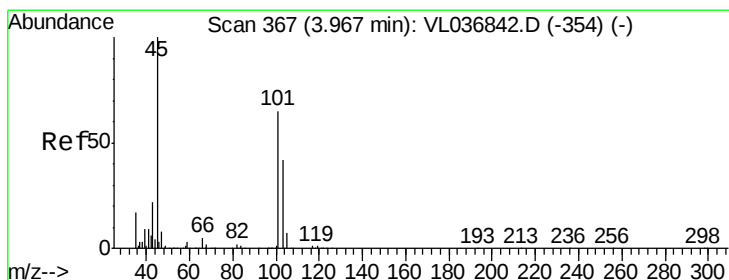
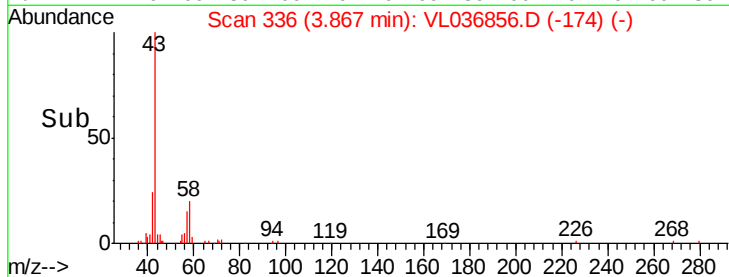
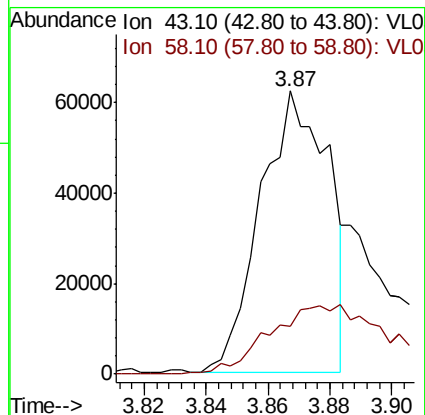
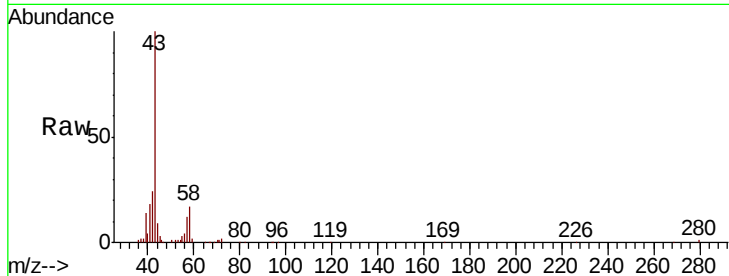
Acq: 27 Apr 2021 13:54

Tot Ion: 43 Resp: 94529

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



#19

Isopropyl Alcohol

Concen: 0.060 ppbv

RT: 4.00 min Scan# 377

Delta R.T. 0.03 min

Lab File: VL036856.D

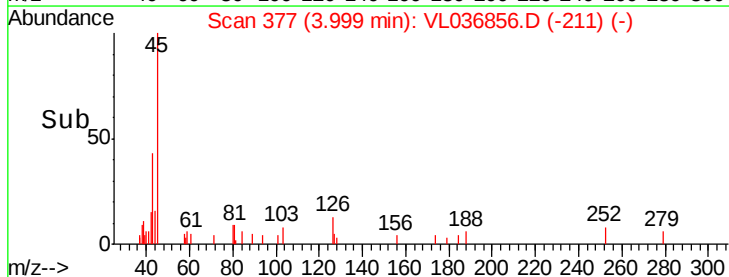
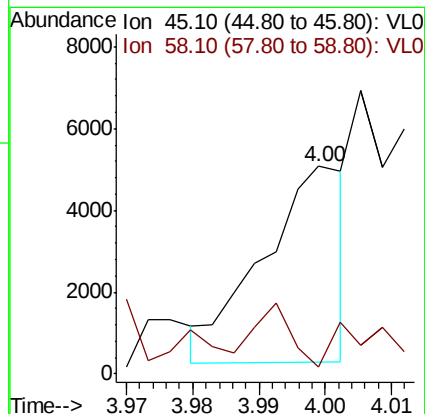
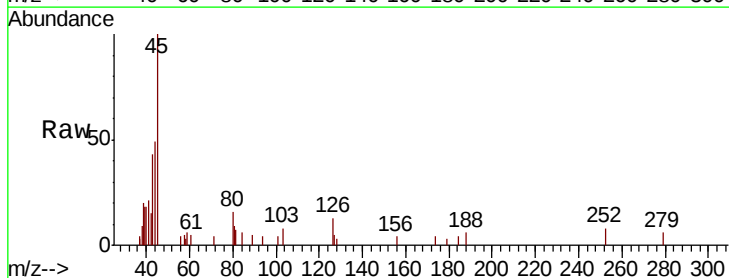
Acq: 27 Apr 2021 13:54

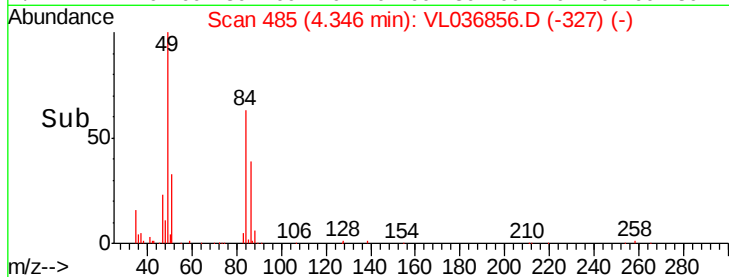
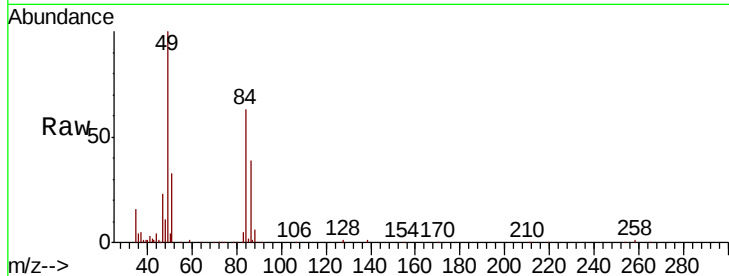
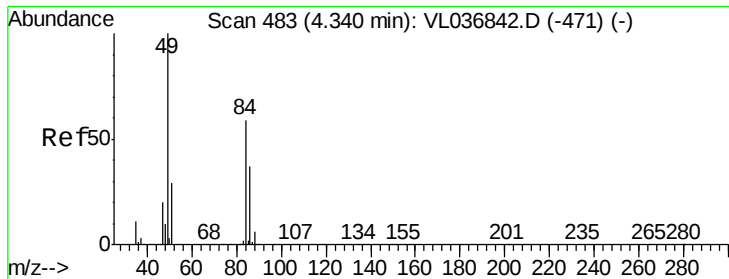
Tgt Ion: 45 Resp: 4144

Ion Ratio Lower Upper

45 100

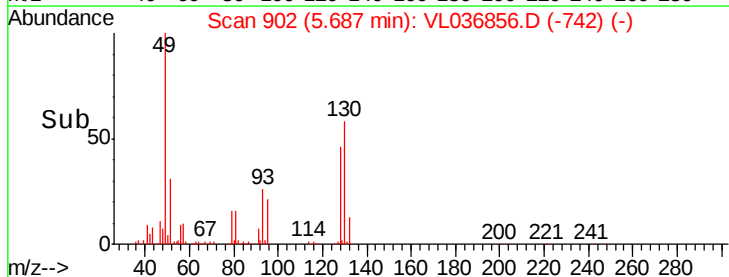
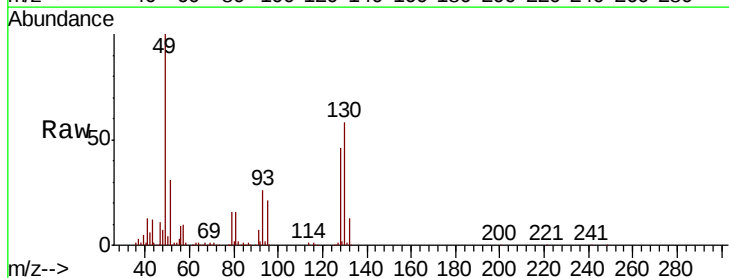
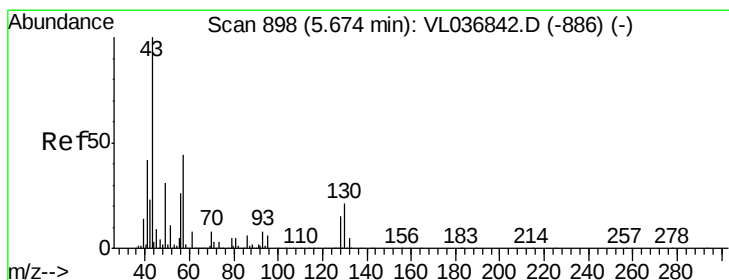
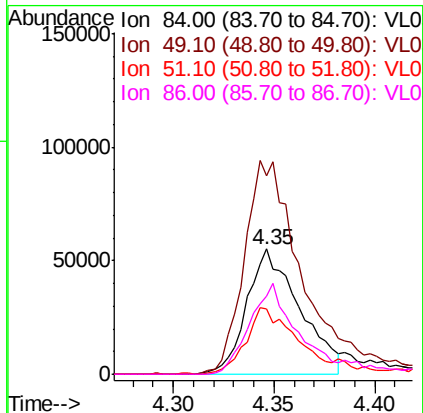
58 39.7 2.8 4.2#





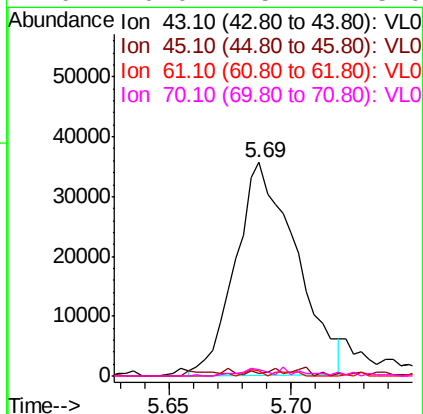
#20
Methvlene Chloride
Concen: 1.509 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 13:54

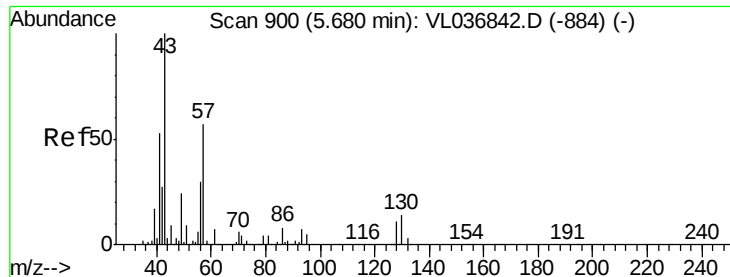
Tot Ion:	84	Resp:	100952
Ion	Ratio	Lower	Upper
84	100		
49	158.9	135.4	203.0
51	52.0	39.3	58.9
86	62.6	50.2	75.2



#25
Ethyl Acetate
Concen: 0.180 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036856.D
Acq: 27 Apr 2021 13:54

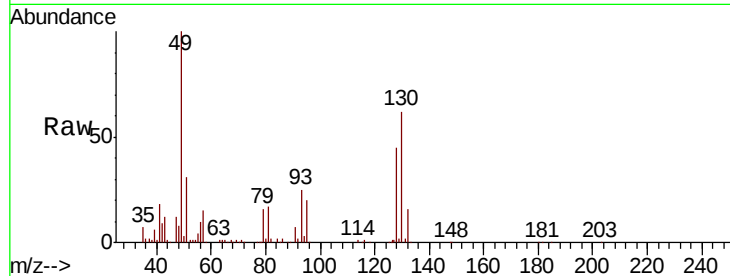
Tgt Ion:	43	Resp:	61537
Ion	Ratio	Lower	Upper
43	100		
45	0.3	7.8	11.8#
61	0.9	7.4	11.0#
70	0.0	5.4	8.0#



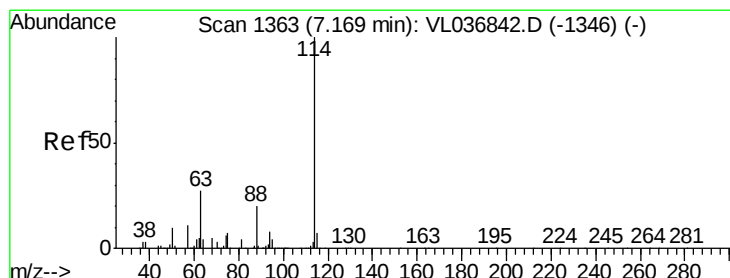
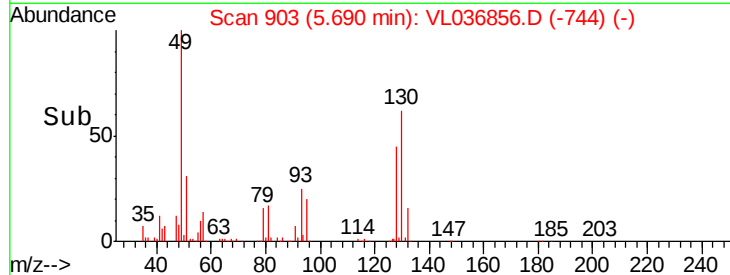
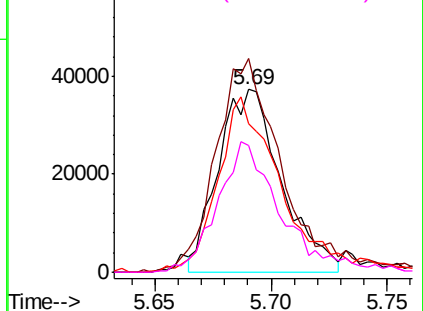


#26
Hexane
Concen: 0.439 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 13:54

Tot Ion: 57 Resp: 70252
Ion Ratio Lower Upper
57 100
41 125.1 77.7 116.5#
43 98.8 180.5 270.7#
56 71.8 44.6 66.8#

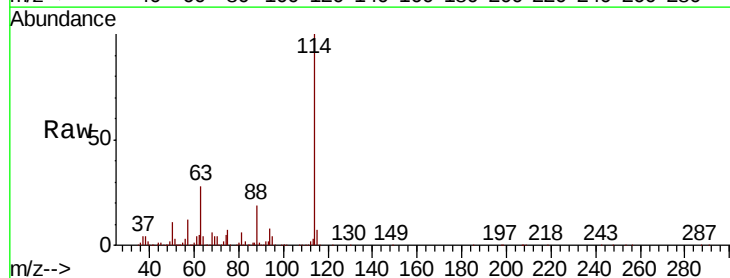


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

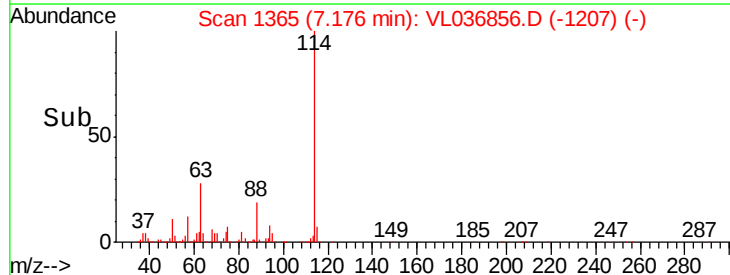
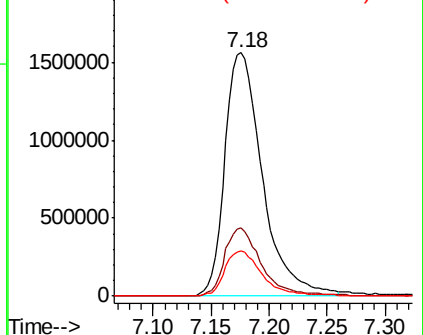


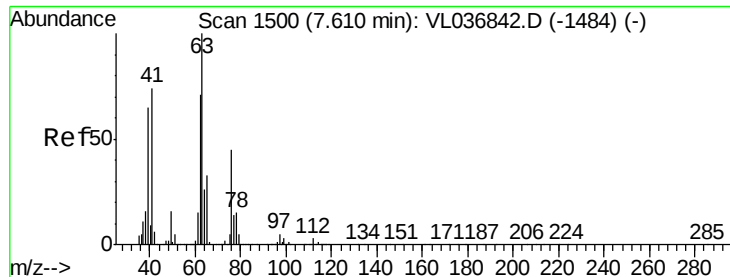
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.01 min
Lab File: VL036856.D
Acq: 27 Apr 2021 13:54

Tgt Ion: 114 Resp: 3526577
Ion Ratio Lower Upper
114 100
63 27.6 21.9 32.9
88 18.9 15.1 22.7



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 0.088 ppbv

RT: 7.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 13:54

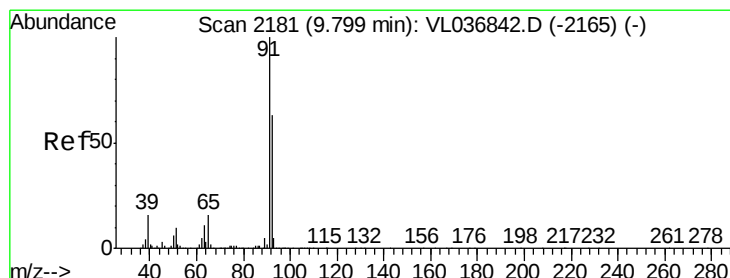
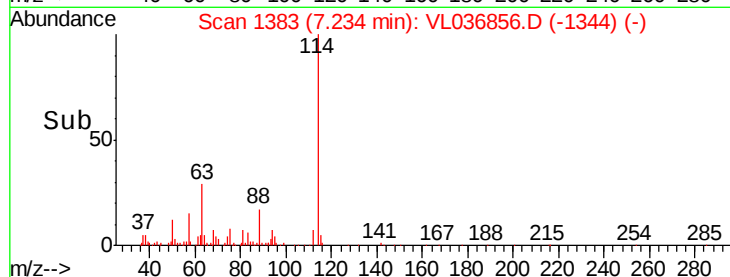
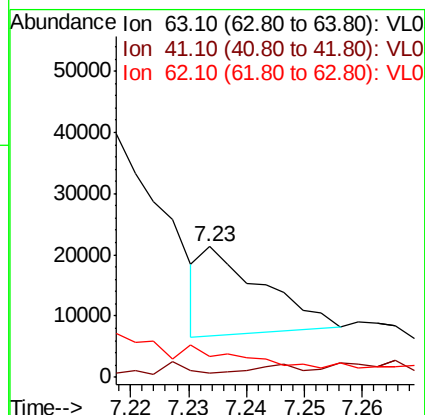
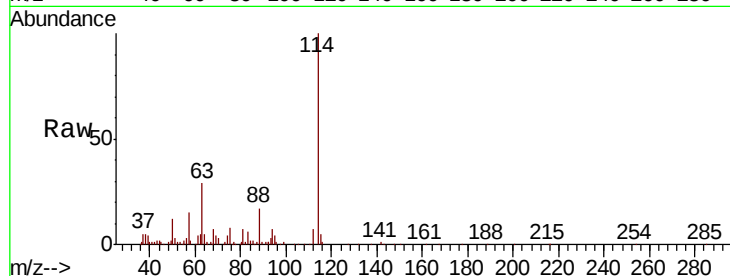
Tot Ion: 63 Resp: 10434

Ion Ratio Lower Upper

63 100

41 0.0 59.1 88.7#

62 9.0 56.9 85.3#



#53

Toluene

Concen: 0.046 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.01 min

Lab File: VL036856.D

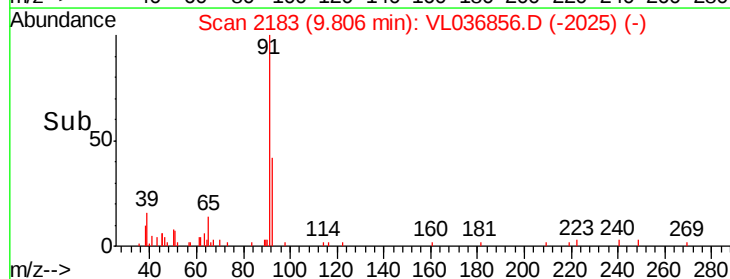
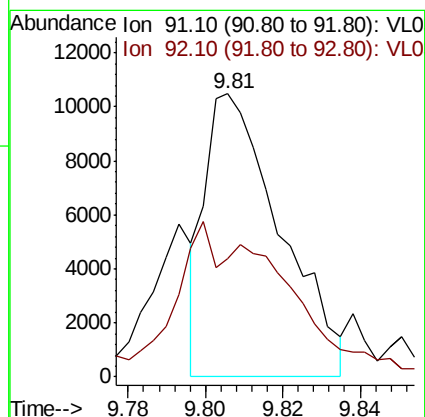
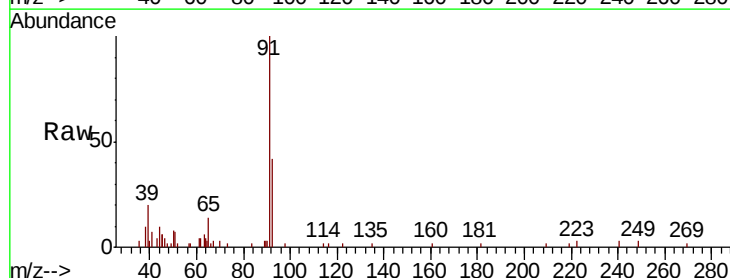
Acq: 27 Apr 2021 13:54

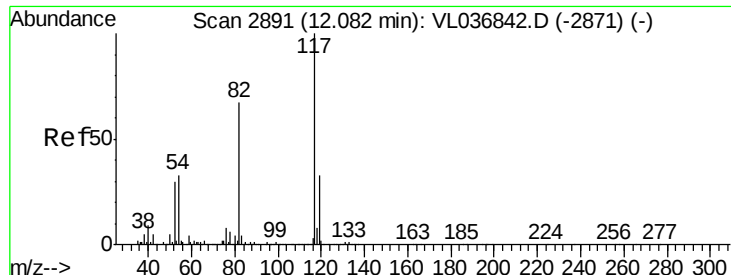
Tgt Ion: 91 Resp: 14166

Ion Ratio Lower Upper

91 100

92 85.4 49.0 73.4#

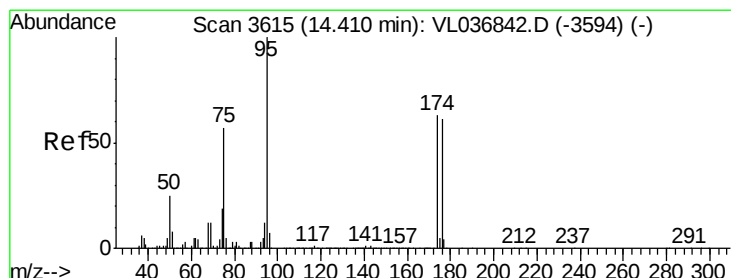
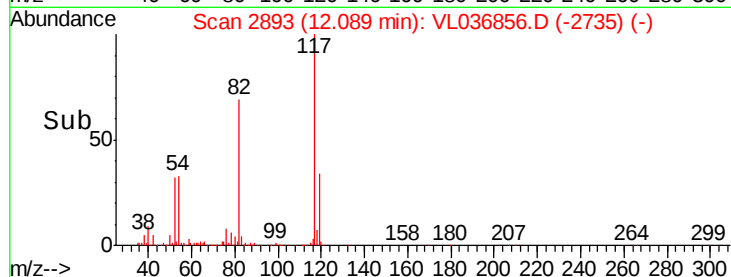
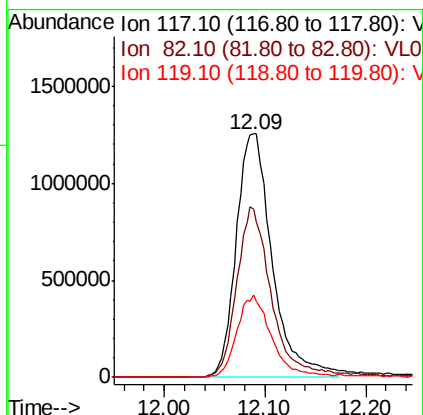
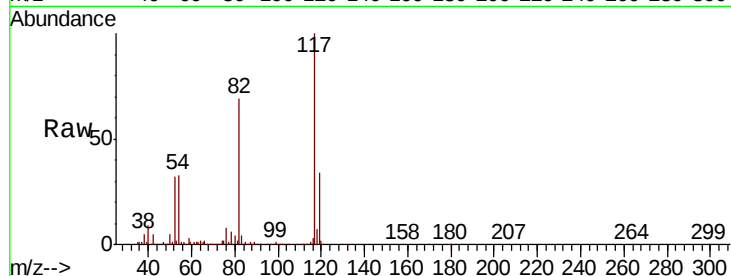




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 13:54

Tot Ion: 117 Resp: 3114898

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.5	80.3
119	33.5	25.6	38.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.617 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.01 min
 Lab File: VL036856.D
 Acq: 27 Apr 2021 13:54

Tgt Ion: 95 Resp: 2404612

Ion	Ratio	Lower	Upper
95	100		
174	68.0	52.2	78.2
175	4.9	4.0	6.0

