

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036878.D
 Acq On : 28 Apr 2021 14:01
 Operator : SY/AP
 Sample : M2172-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:09:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	5.68	49	1548607	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3579288	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3099747	10.00	ppbv	0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2486402	9.99	ppbv	0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

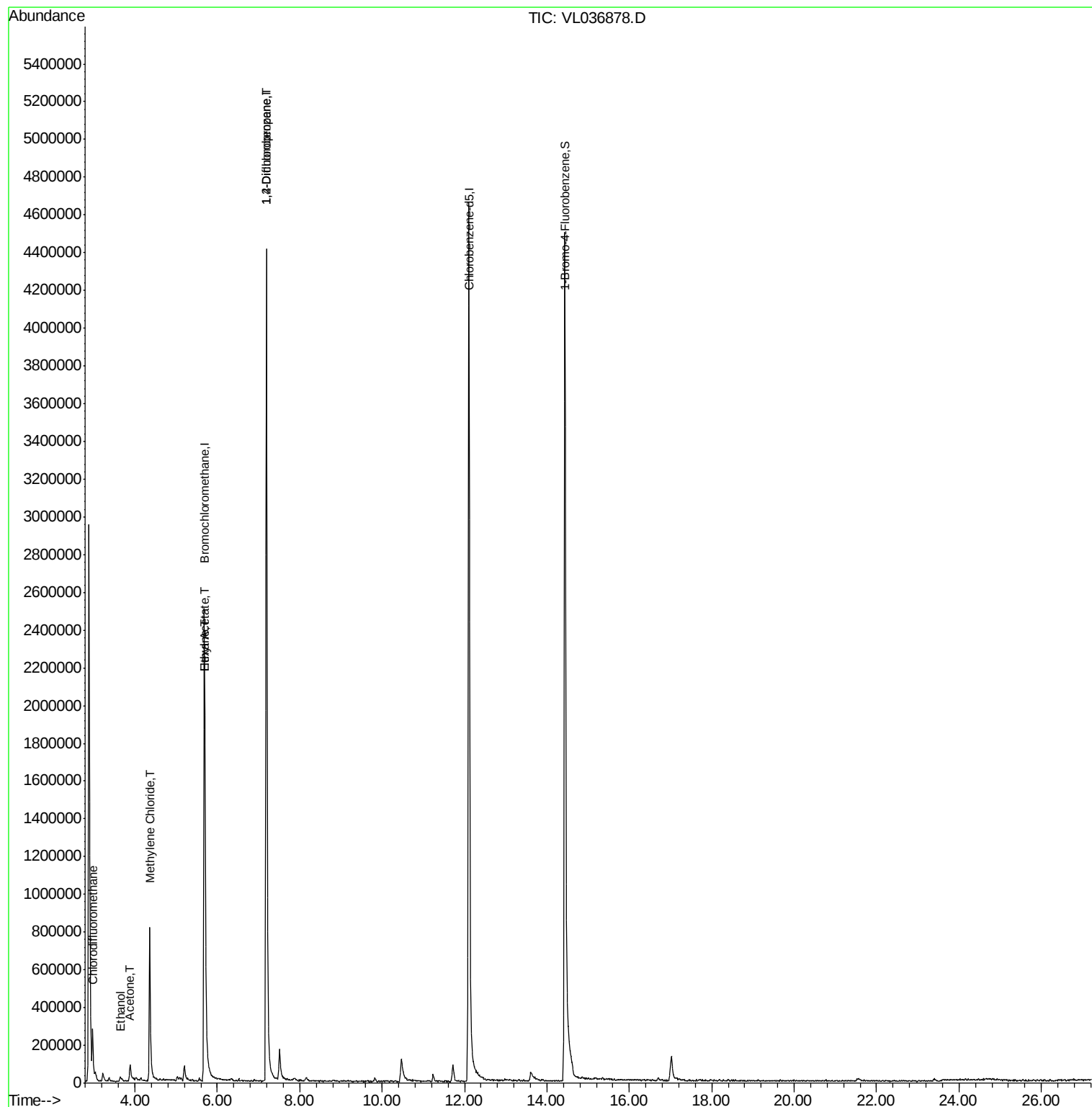
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	190681	0.676	ppbv #	59
13) Ethanol	3.65	45	23885	2.179	ppbv #	57
15) Acetone	3.87	43	104533	0.716	ppbv #	65
20) Methylene Chloride	4.36	84	321000	4.599	ppbv	98
25) Ethyl Acetate	5.71	43	128163	0.359	ppbv #	80
26) Hexane	5.71	57	163687	0.981	ppbv #	41
39) 1,2-Dichloropropane	7.19	63	927954	7.681	ppbv #	23

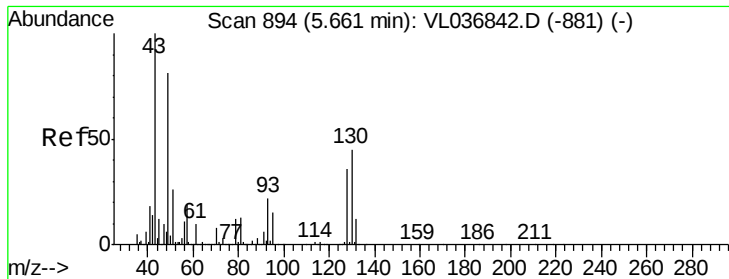
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL036878.D

Acq: 28 Apr 2021 14:01

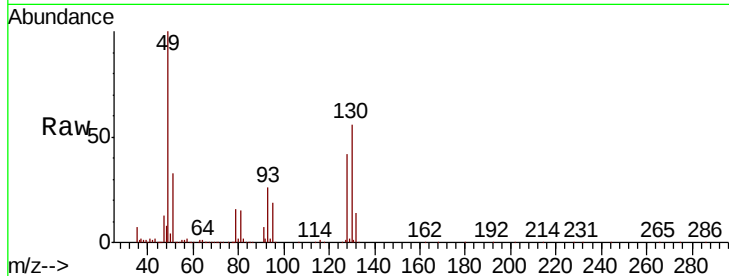
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1548607

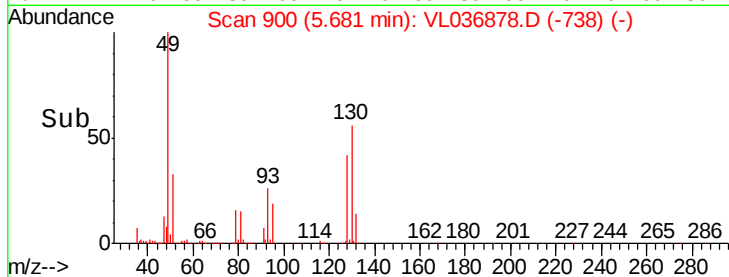
Ion	Ratio	Lower	Upper
49	100		
128	46.5	24.4	73.2
130	58.3	30.3	90.8



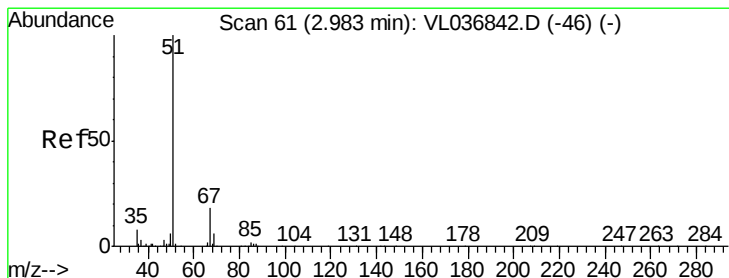
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#3

Chlorodifluoromethane

Concen: 0.676 ppbv

RT: 2.98 min Scan# 59

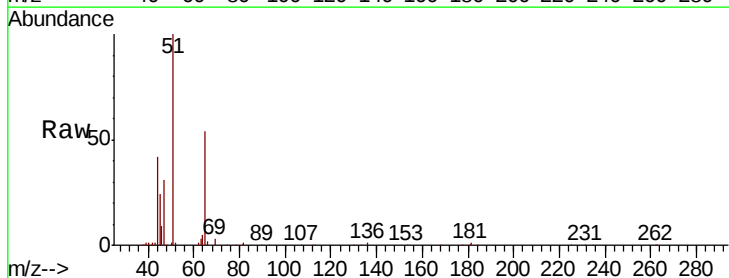
Delta R.T. -0.01 min

Lab File: VL036878.D

Acq: 28 Apr 2021 14:01

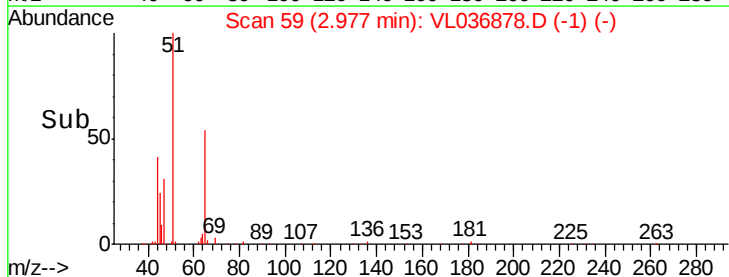
Tgt Ion: 51 Resp: 190681

Ion	Ratio	Lower	Upper
51	100		
67	0.1	14.8	22.2

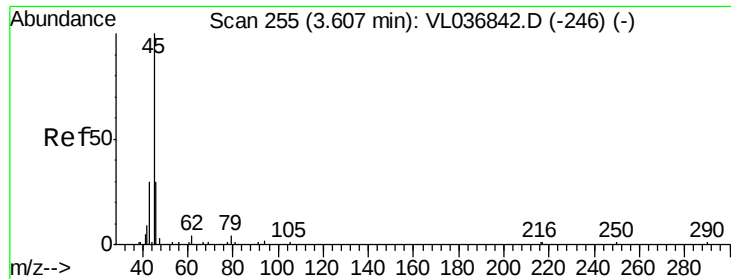


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



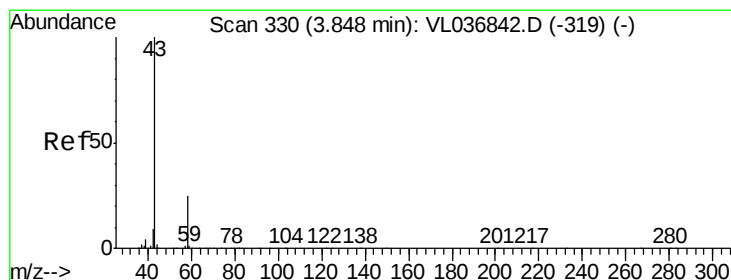
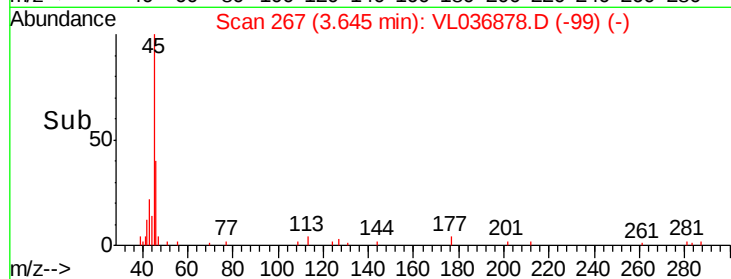
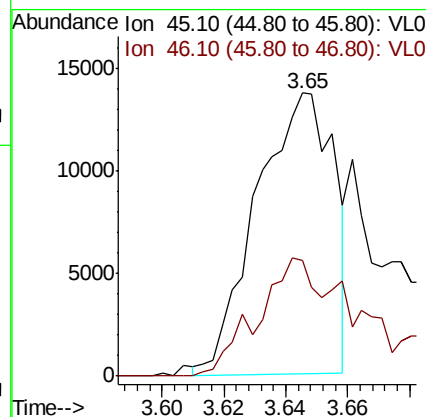
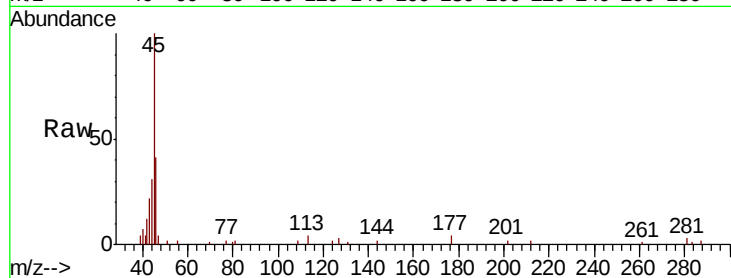
Time-->



#13
Ethanol
Concen: 2.179 ppbv
RT: 3.65 min Scan# 267
Delta R.T. 0.04 min
Lab File: VL036878.D
Acq: 28 Apr 2021 14:01

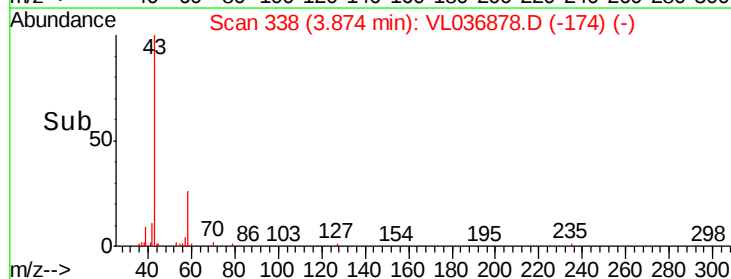
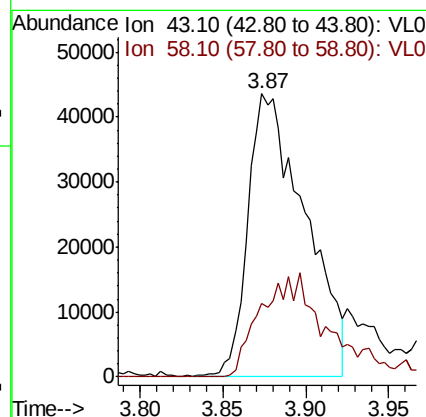
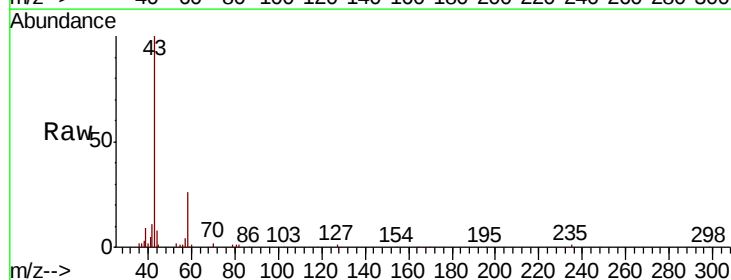
Instrument :
MSVOA_L
ClientSampleId :

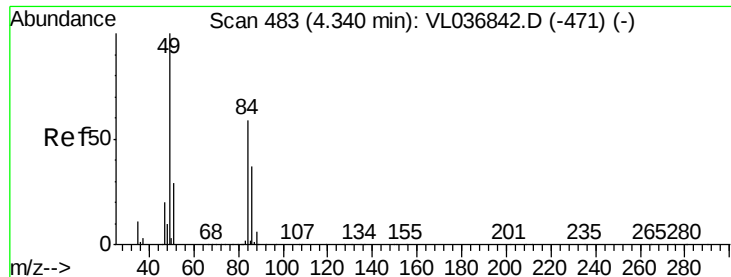
Tot Ion: 45 Resp: 23885
Ion Ratio Lower Upper
45 100
46 69.6 16.8 67.4#



#15
Acetone
Concen: 0.716 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL036878.D
Acq: 28 Apr 2021 14:01

Tgt Ion: 43 Resp: 104533
Ion Ratio Lower Upper
43 100
58 45.1 21.7 32.5#

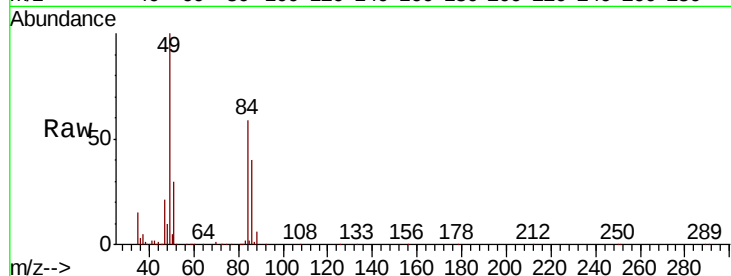




#20
Methylene Chloride
Concen: 4.599 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036878.D
Acq: 28 Apr 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	321000
Ion	Ratio	Lower	Upper
84	100		
49	168.5	135.4	203.0
51	49.8	39.3	58.9
86	67.7	50.2	75.2



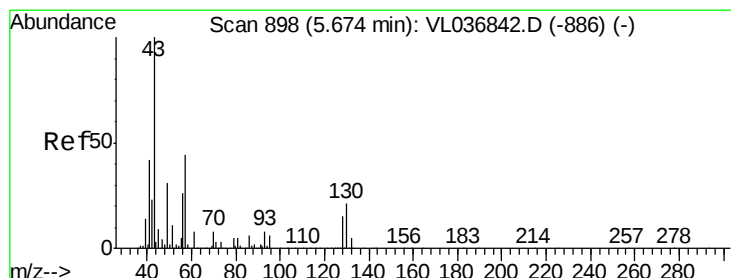
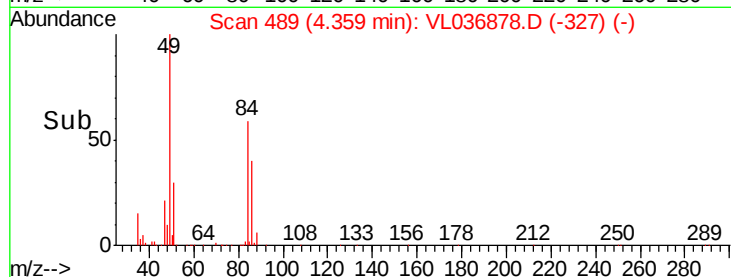
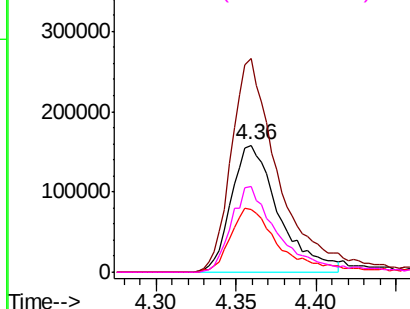
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

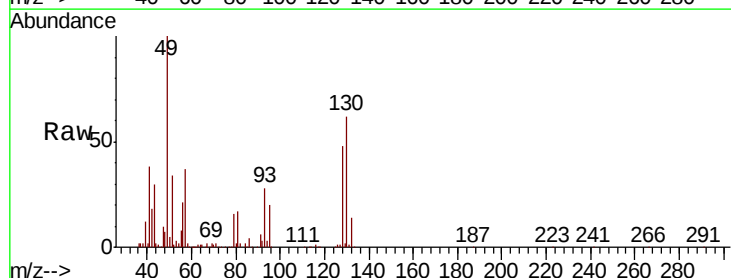
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.359 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL036878.D
Acq: 28 Apr 2021 14:01

Tgt Ion:	43	Resp:	128163
Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.8	11.8#
61	1.1	7.4	11.0#
70	2.4	5.4	8.0#



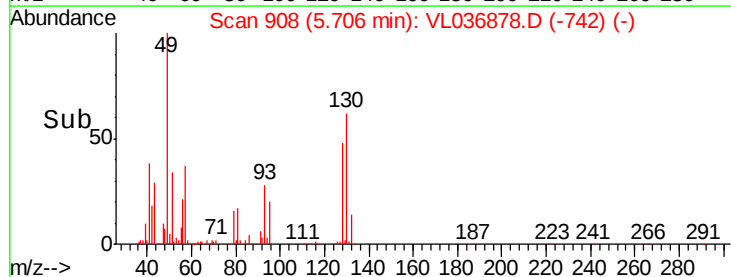
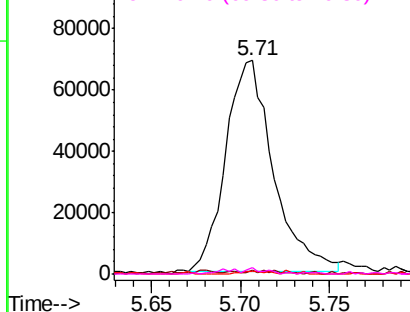
Abundance

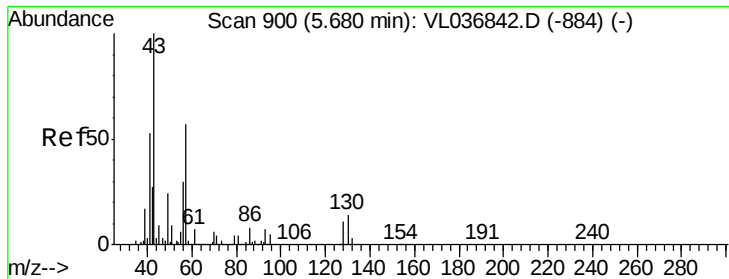
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

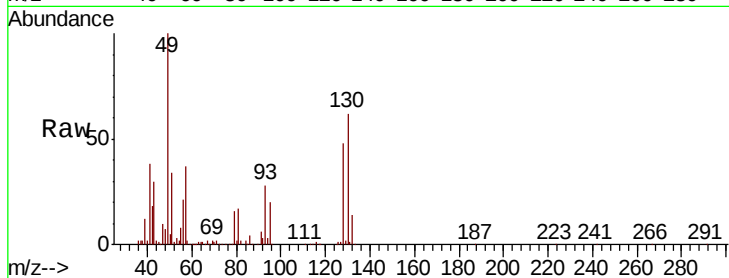




#26
Hexane
Concen: 0.981 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL036878.D
Acq: 28 Apr 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
57	100		
41	117.6	77.7	116.5#
43	84.7	180.5	270.7#
56	69.0	44.6	66.8#



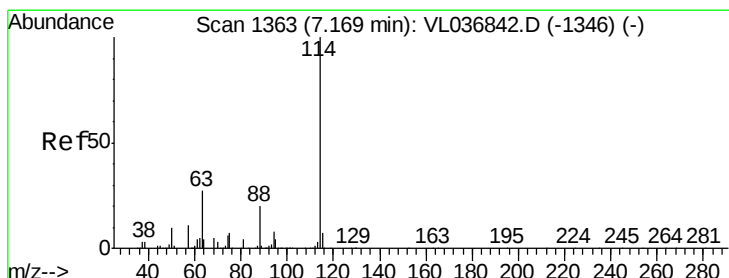
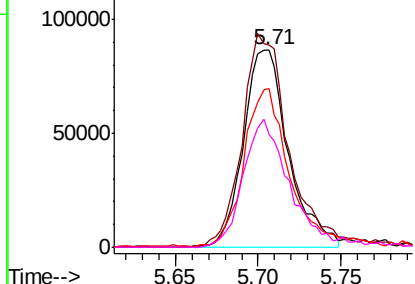
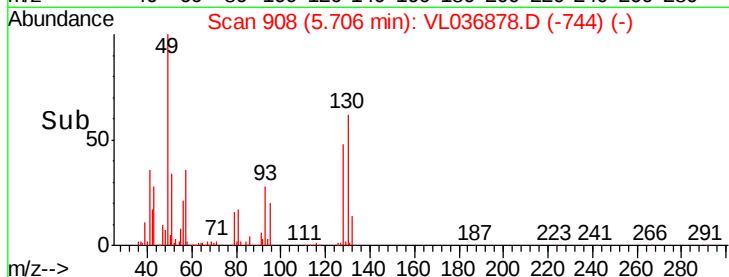
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

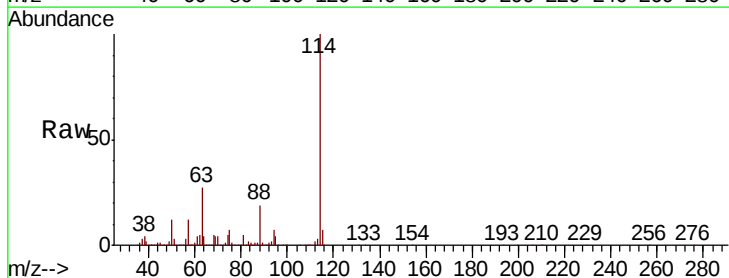
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VL036878.D
Acq: 28 Apr 2021 14:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.9	32.9
88	18.7	15.1	22.7

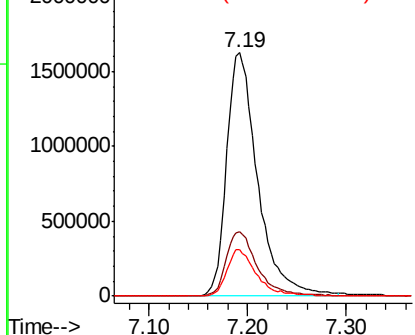
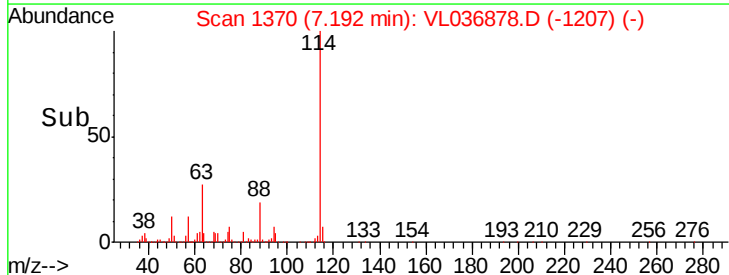


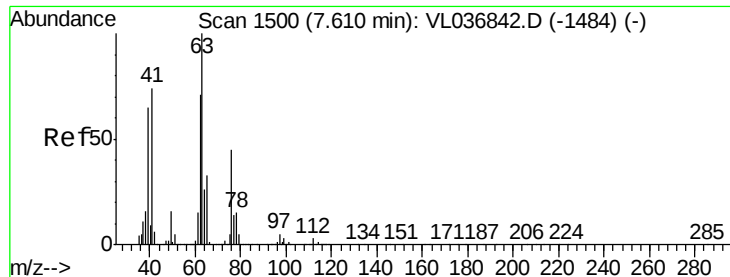
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

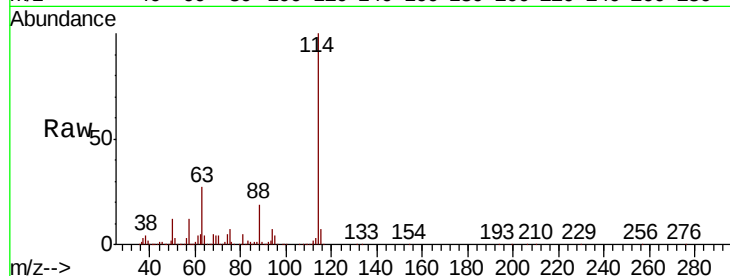




#39
 1,2-Dichloropropane
 Concen: 7.681 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.42 min
 Lab File: VL036878.D
 Acq: 28 Apr 2021 14:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.1	88.7#
62	17.0	56.9	85.3#

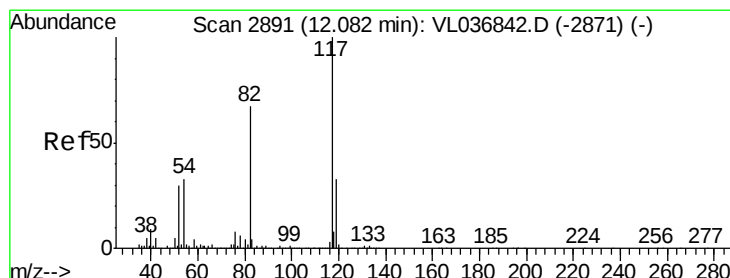
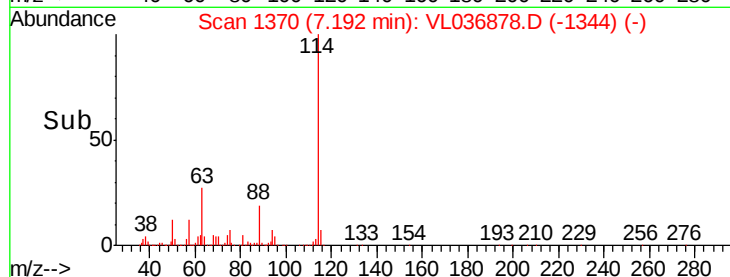
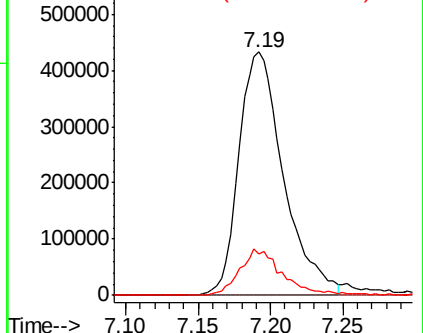


Abundance

Ion 63.10 (62.80 to 63.80): VL0

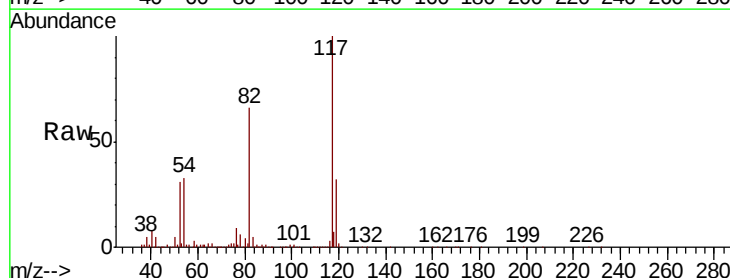
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. 0.03 min
 Lab File: VL036878.D
 Acq: 28 Apr 2021 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.4	53.5	80.3
119	34.4	25.6	38.4

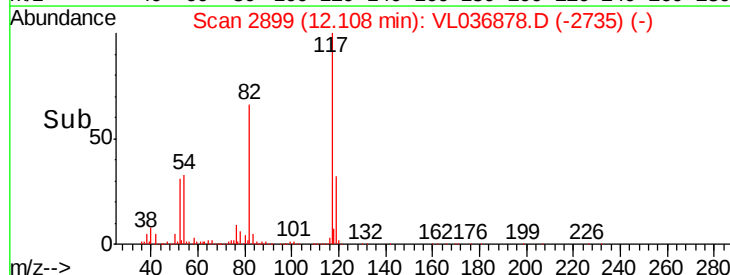
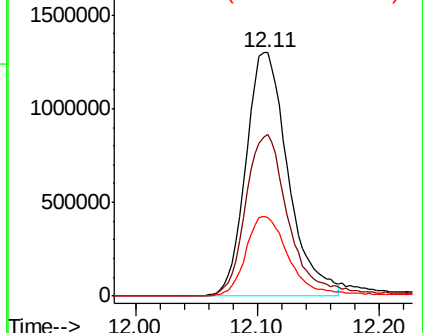


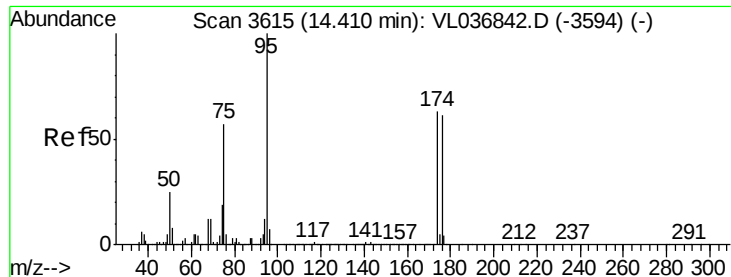
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.992 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.03 min

Lab File: VL036878.D

Acq: 28 Apr 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2486402

Ion Ratio Lower Upper

95 100

174 66.5 52.2 78.2

175 4.9 4.0 6.0

