

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036457.D
 Acq On : 19 Mar 2021 22:03
 Operator :
 Sample : OC030821 CAN 10725
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:42:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1553097	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	3429934	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3118038	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2628434	10.25	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

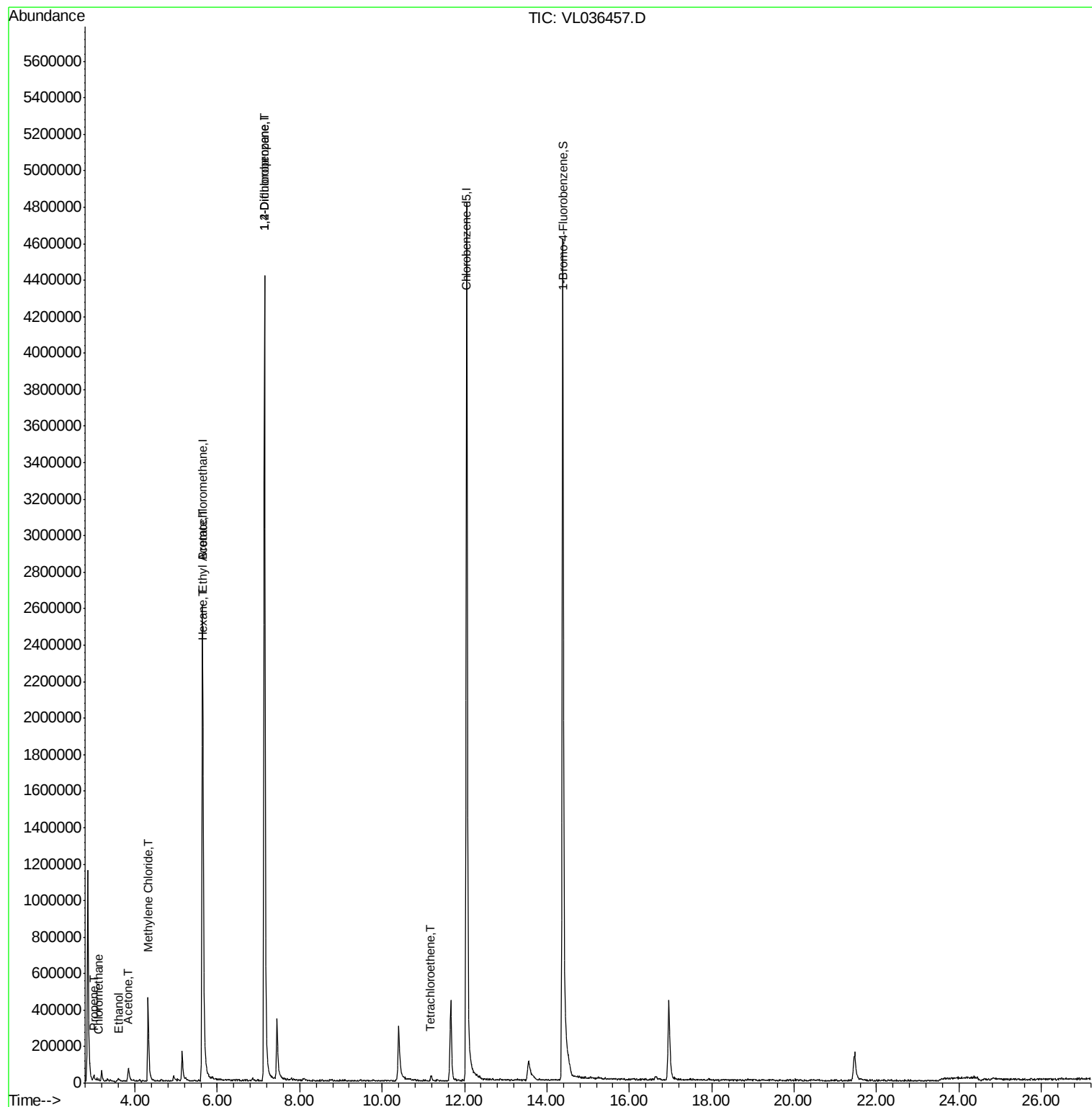
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	2971	0.034	ppbv #	87
9) Propene	3.00	41	4330	0.054	ppbv #	15
13) Ethanol	3.59	45	2492	0.203	ppbv #	1
15) Acetone	3.83	43	43340	0.244	ppbv #	49
20) Methylene Chloride	4.32	84	165534	2.767	ppbv	93
25) Ethyl Acetate	5.65	43	40397	0.117	ppbv #	78
26) Hexane	5.66	57	101800	0.721	ppbv #	35
39) 1,2-Dichloropropane	7.14	63	965348	8.530	ppbv #	23
52) Tetrachloroethene	11.18	164	3219	0.032	ppbv #	49

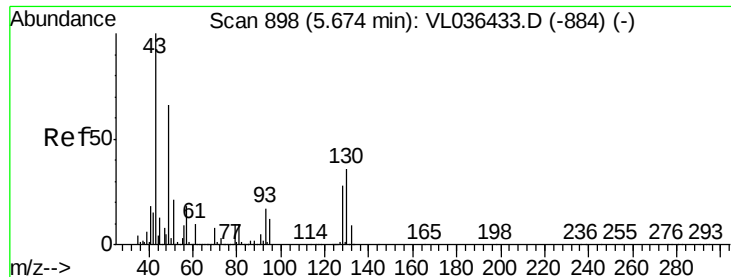
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 03 14:18:24 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.04 min

Lab File: VL036457.D

Acq: 19 Mar 2021 22:03

Instrument :

MSVOA_L

ClientSampleId :

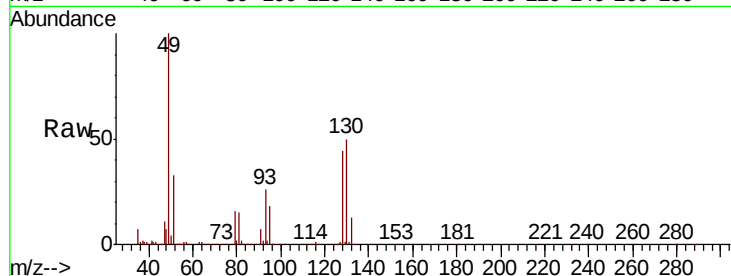
Tot Ion: 49 Resp: 1553097

Ion Ratio Lower Upper

49 100

128 43.4 22.4 67.2

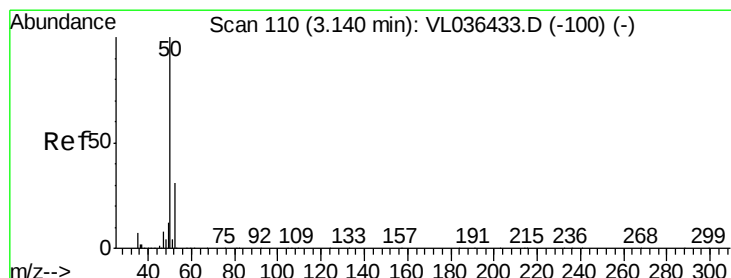
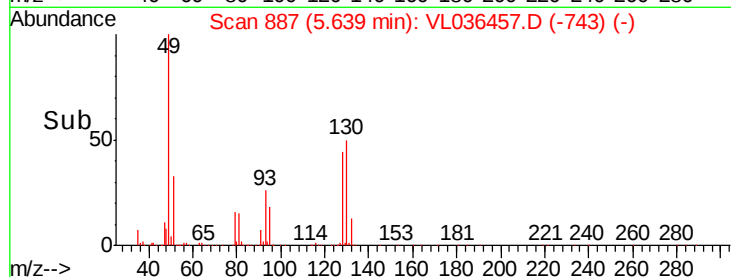
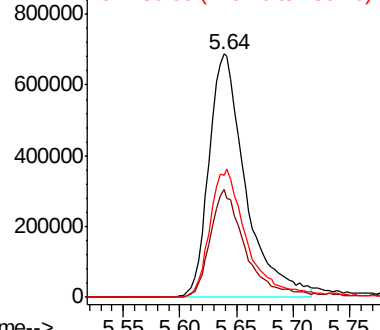
130 54.7 28.0 84.0



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



#4

Chloromethane

Concen: 0.034 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036457.D

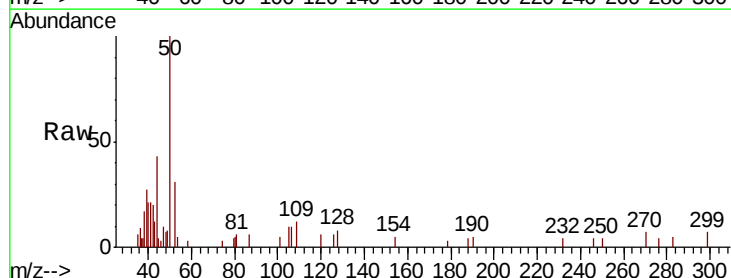
Acq: 19 Mar 2021 22:03

Tgt Ion: 50 Resp: 2971

Ion Ratio Lower Upper

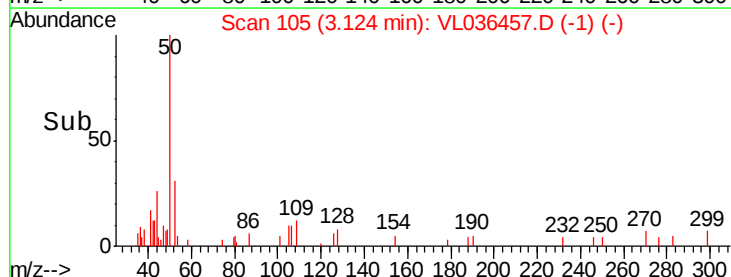
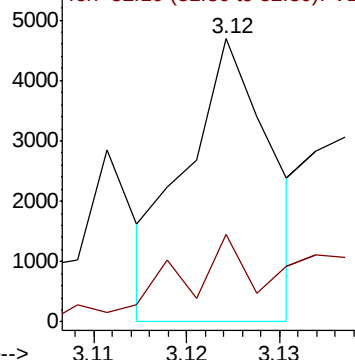
50 100

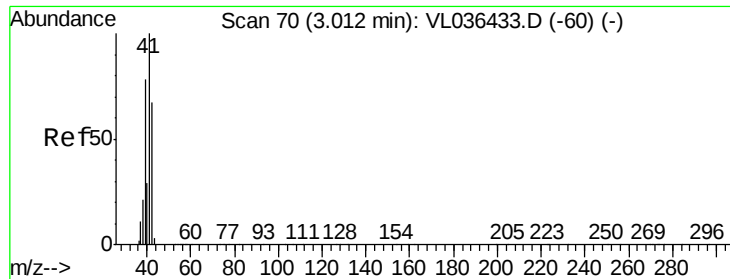
52 38.0 24.6 36.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.054 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036457.D

Acq: 19 Mar 2021 22:03

Instrument :

MSVOA_L

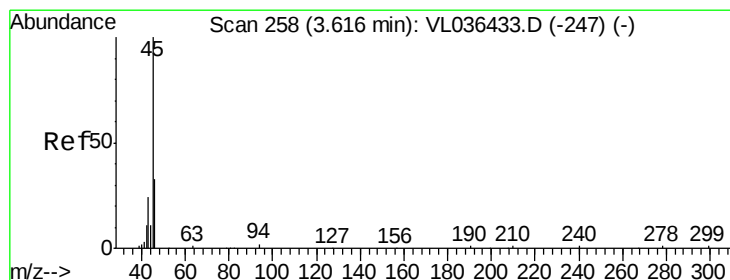
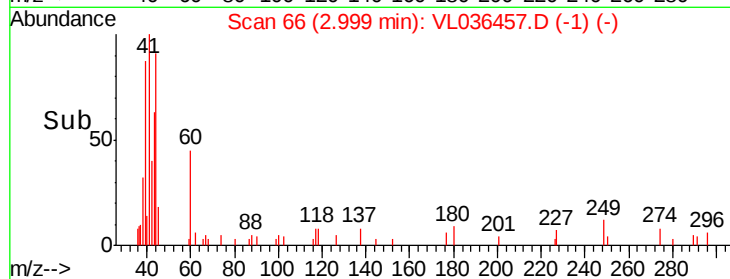
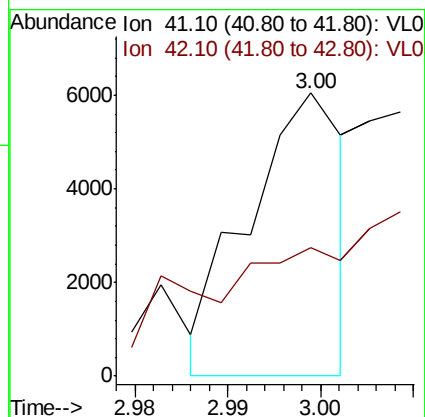
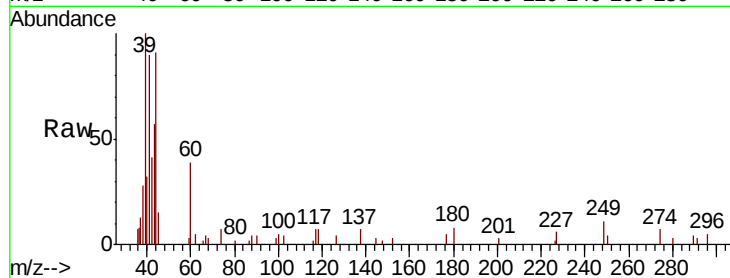
ClientSampleId :

Tot Ion: 41 Resp: 4330

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.4#



#13

Ethanol

Concen: 0.203 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036457.D

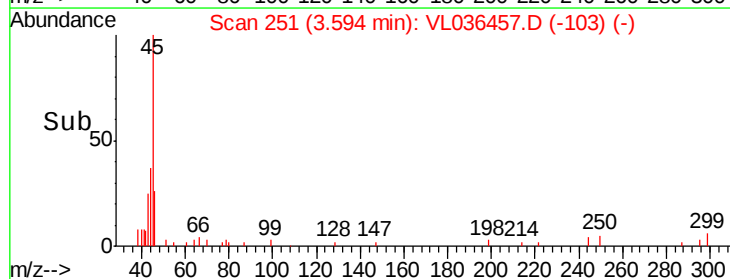
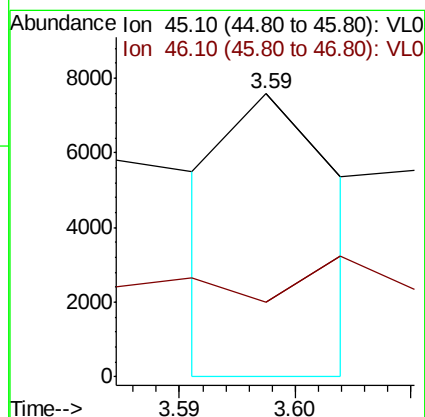
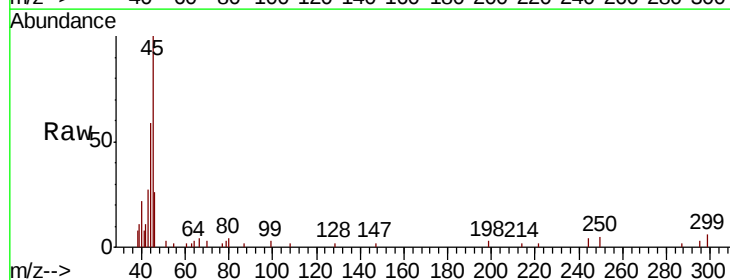
Acq: 19 Mar 2021 22:03

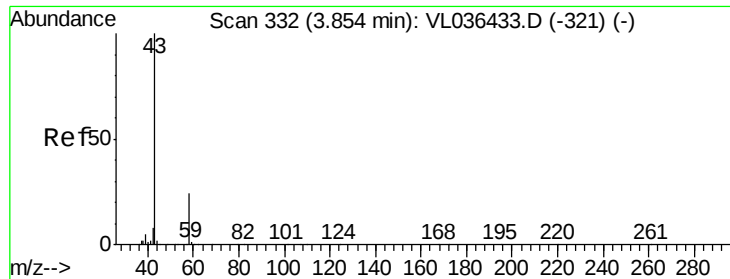
Tgt Ion: 45 Resp: 2492

Ion Ratio Lower Upper

45 100

46 265.5 16.8 67.4#

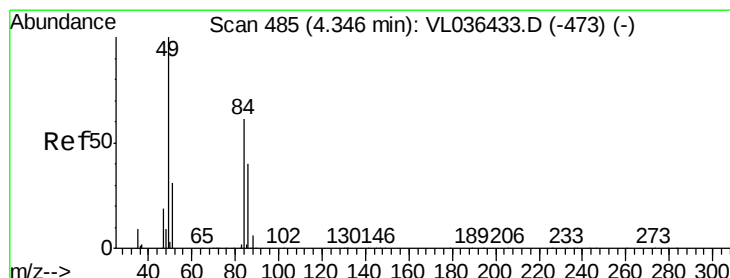
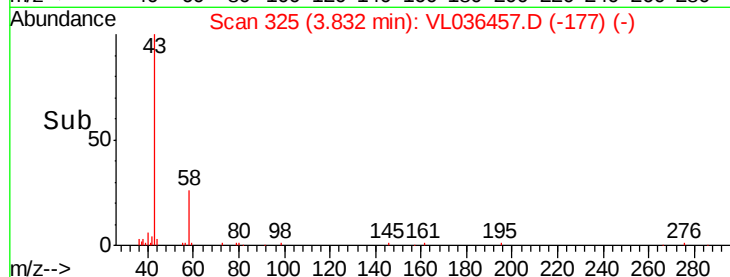
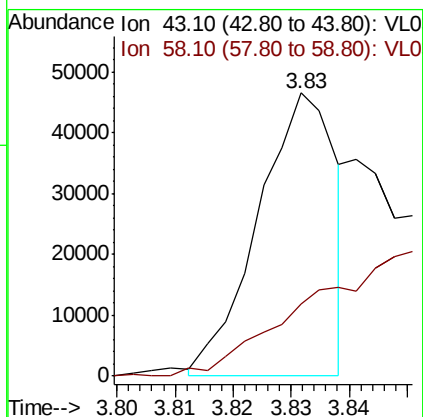
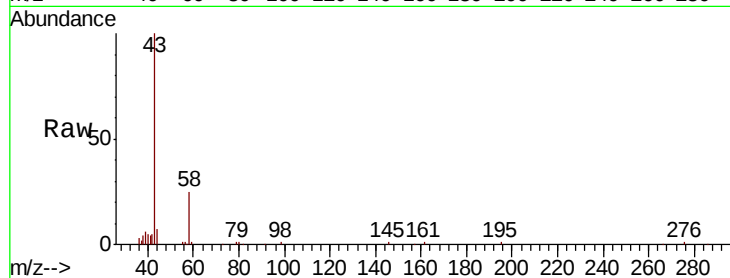




#15
Acetone
Concen: 0.244 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL036457.D
Acq: 19 Mar 2021 22:03

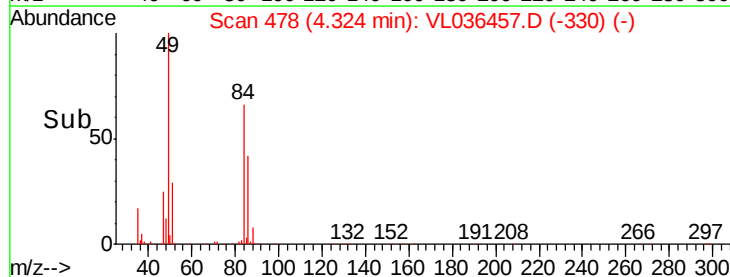
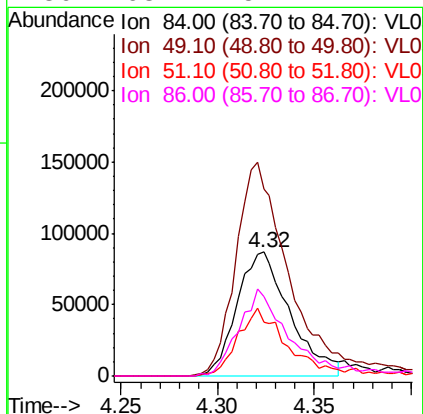
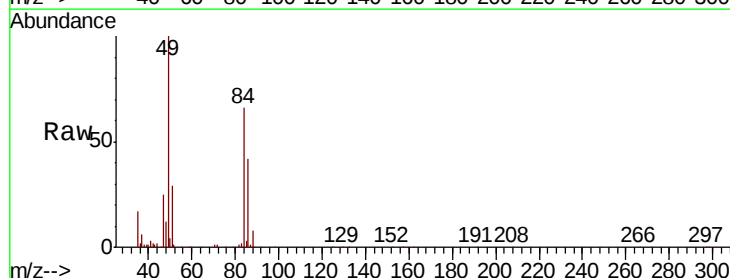
Instrument :
MSVOA_L
ClientSampleId :

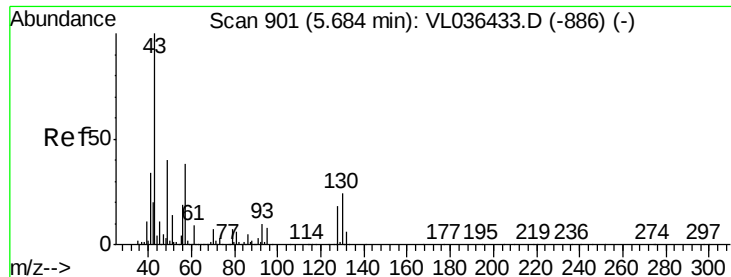
Tot Ion: 43 Resp: 43340
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 2.767 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036457.D
Acq: 19 Mar 2021 22:03

Tgt Ion: 84 Resp: 165534
Ion Ratio Lower Upper
84 100
49 150.7 130.2 195.2
51 43.3 40.5 60.7
86 63.7 51.4 77.2

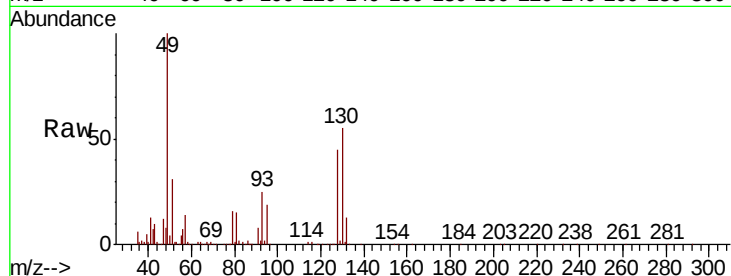




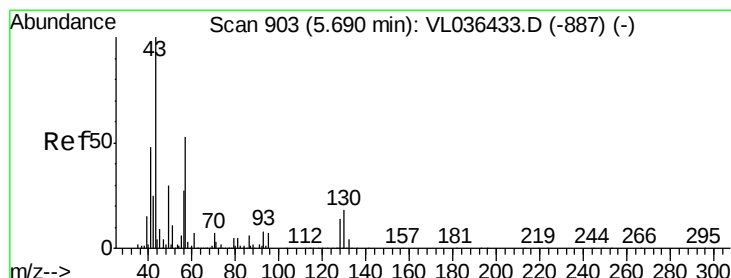
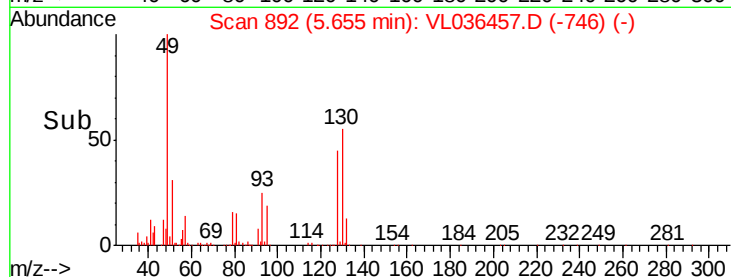
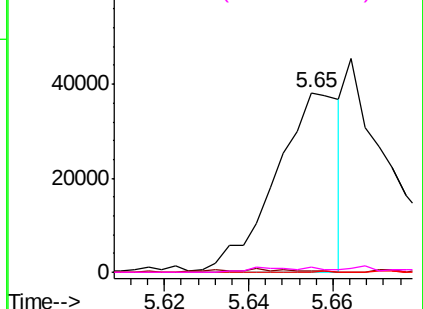
#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL036457.D
Acq: 19 Mar 2021 22:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	40397
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.0	12.0#
61	0.4	7.7	11.5#
70	0.0	5.4	8.0#

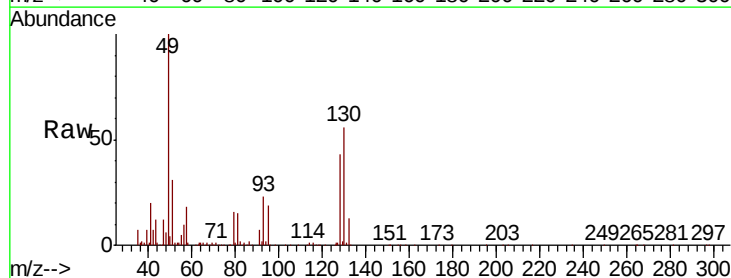


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

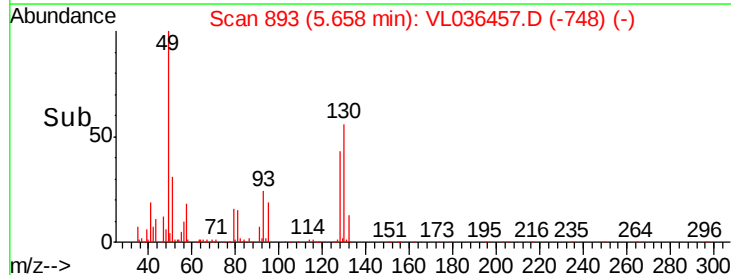
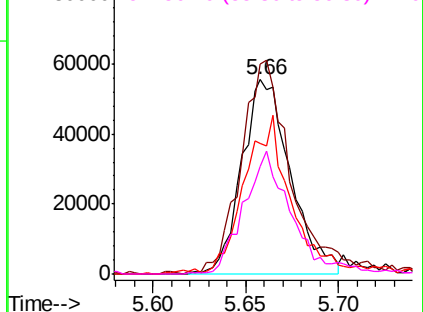


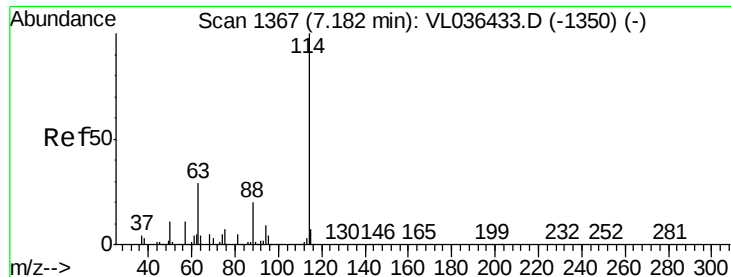
#26
Hexane
Concen: 0.721 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036457.D
Acq: 19 Mar 2021 22:03

Tgt Ion:	57	Resp:	101800
Ion	Ratio	Lower	Upper
57	100		
41	117.3	80.4	120.6
43	82.2	199.8	299.6#
56	62.7	43.8	65.8



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: 7.15 min Scan# 1356

Delta R.T. -0.04 min

Lab File: VL036457.D

Acq: 19 Mar 2021 22:03

Instrument :

MSVOA_L

ClientSampleId :

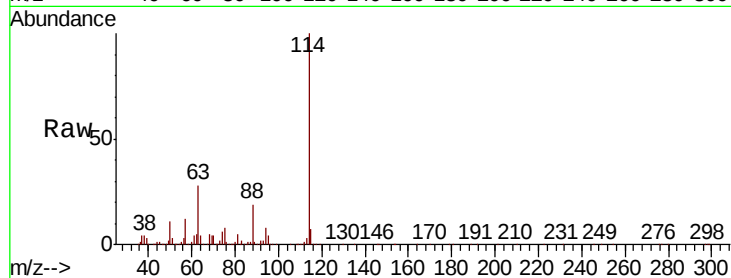
Tot Ion:114 Resp: 3429934

Ion Ratio Lower Upper

114 100

63 28.9 23.3 34.9

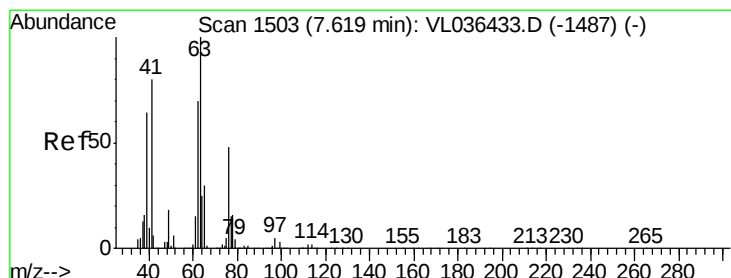
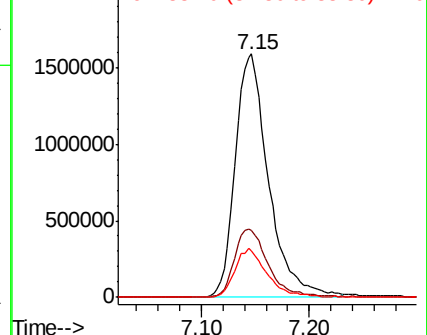
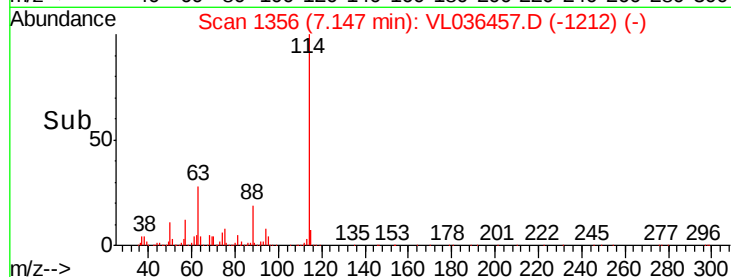
88 19.6 15.6 23.4



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: 8.530 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.48 min

Lab File: VL036457.D

Acq: 19 Mar 2021 22:03

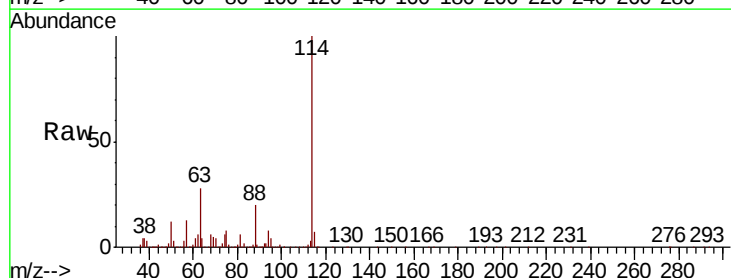
Tgt Ion: 63 Resp: 965348

Ion Ratio Lower Upper

63 100

41 0.1 64.4 96.6#

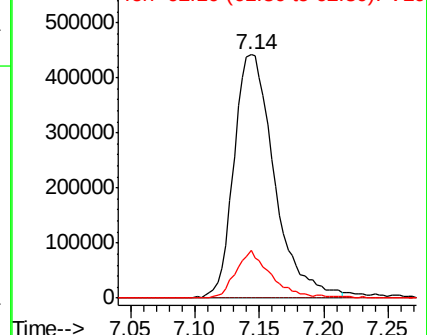
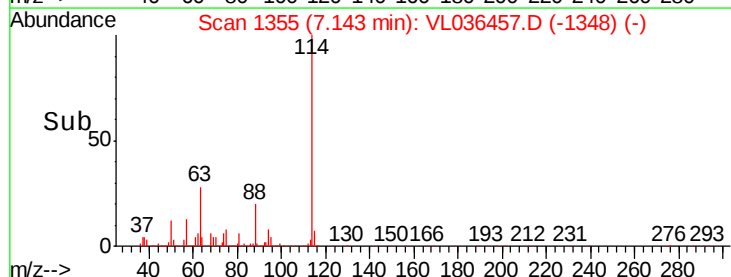
62 19.7 55.7 83.5#

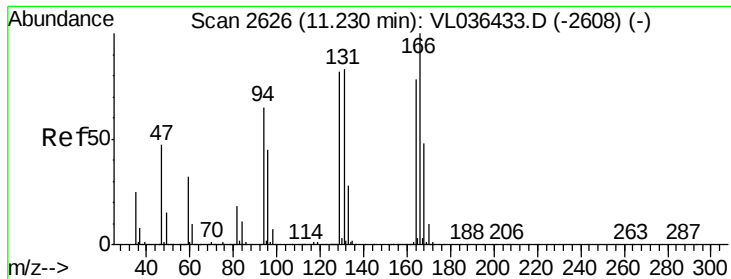


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

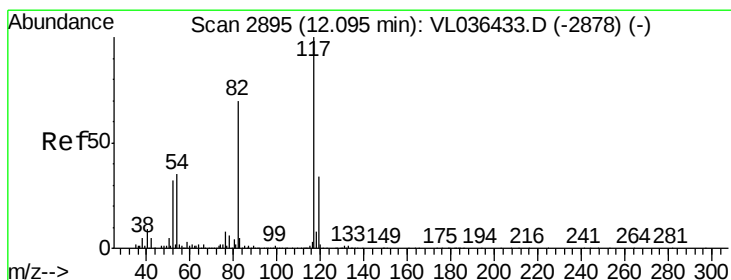
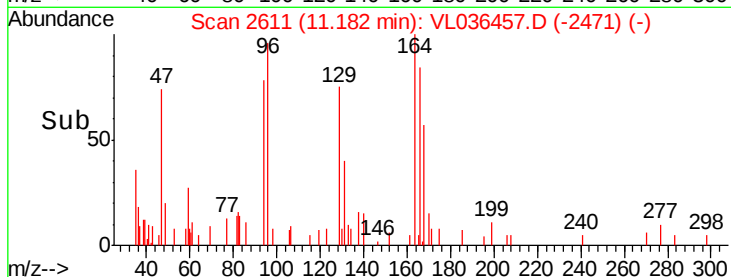
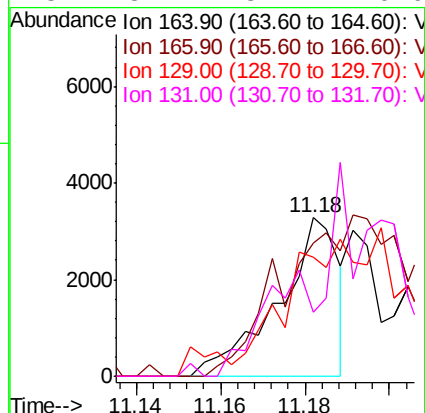
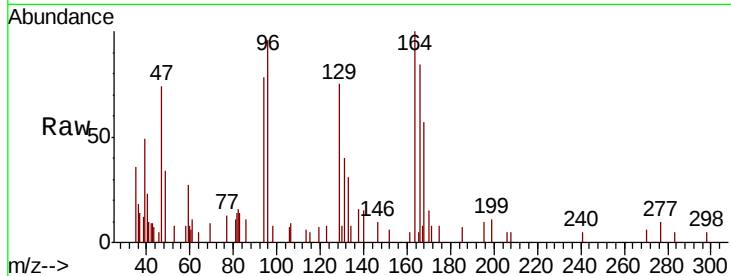




#52
Tetrachloroethene
Concen: 0.032 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.05 min
Lab File: VL036457.D
Acq: 19 Mar 2021 22:03

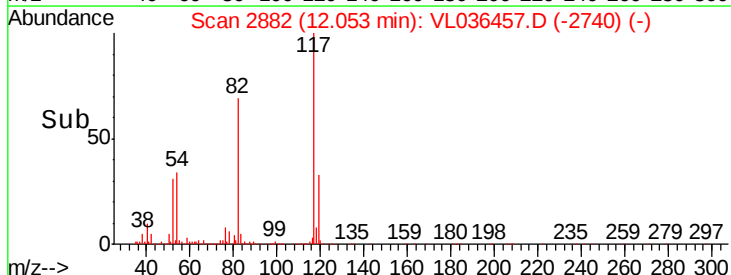
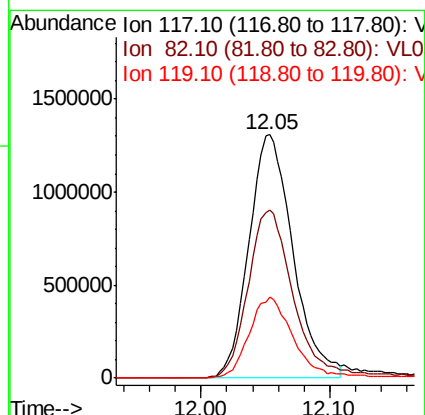
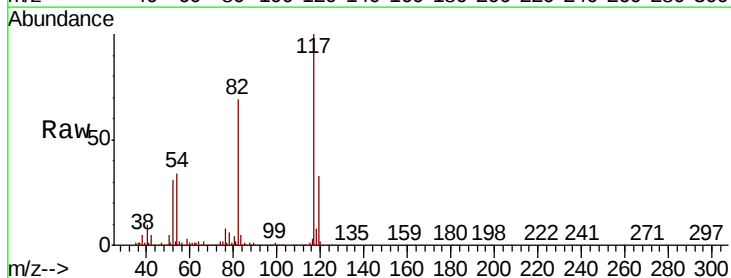
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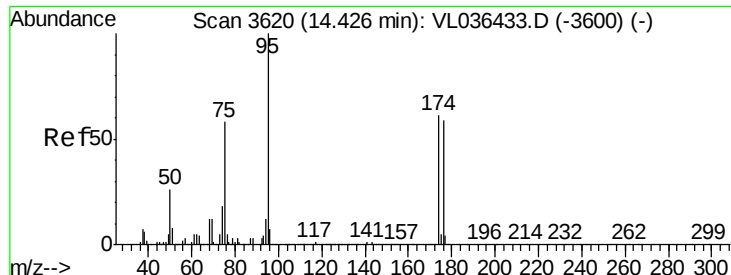
Tot Ion:164 Resp: 3219
Ion Ratio Lower Upper
164 100
166 83.8 102.0 153.0#
129 56.7 83.3 124.9#
131 32.4 84.4 126.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL036457.D
Acq: 19 Mar 2021 22:03

Tgt Ion:117 Resp: 3118038
Ion Ratio Lower Upper
117 100
82 73.2 56.5 84.7
119 34.1 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.251 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL036457.D

Acq: 19 Mar 2021 22:03

Instrument :

MSVOA_L

ClientSampleId :

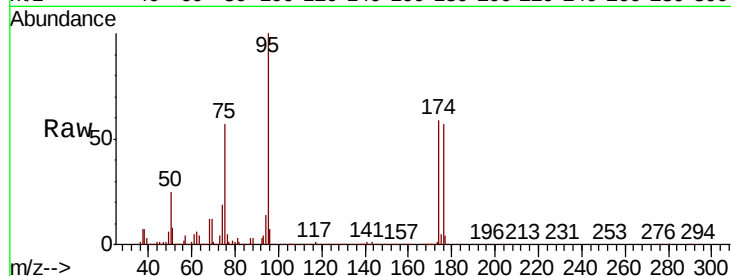
Tot Ion: 95 Resp: 2628434

Ion Ratio Lower Upper

95 100

174 63.6 51.0 76.4

175 4.7 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

