

Data File : VL036674.D
Acq On : 3 Apr 2021 10:27
Operator : SY/AP
Sample : M1834-05DUPDL 60X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV5DLDUP

Quant Time: Apr 04 18:43:09 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1084186	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2876590	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2559446	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1996216	9.79	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

						Qvalue
9) Propene	3.00	41	67641	1.047	ppbv	88
10) Heptane	8.10	43	365491	2.222	ppbv #	28
13) Ethanol	3.60	45	10565	1.374	ppbv #	34
15) Acetone	3.85	43	1940246	18.183	ppbv #	77
16) 1,3-Butadiene	3.29	39	92290	1.242	ppbv #	21
20) Methylene Chloride	4.32	84	15286	0.306	ppbv #	80
21) Allyl Chloride	4.35	41	104363	1.227	ppbv #	52
23) Vinyl Acetate	5.03	43	608166	3.332	ppbv #	1
25) Ethyl Acetate	5.66	43	354492	1.397	ppbv #	78
26) Hexane	5.66	57	485425	4.123	ppbv #	45
27) Carbon Disulfide	4.52	76	3824	0.033	ppbv #	1
30) Cyclohexane	7.11	84	140183	1.468	ppbv #	63
34) 2-Butanone	5.22	43	1552057	11.053	ppbv	98
36) Benzene	6.86	78	291555	1.099	ppbv	97
39) 1,2-Dichloropropane	7.15	63	749750	6.967	ppbv #	24
41) Tetrahydrofuran	5.95	42	3256	0.050	ppbv #	57
42) Bromodichloromethane	7.77	83	30841	0.145	ppbv #	27
43) Methyl Methacrylate	7.97	69	5826	0.065	ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	7935547	16.995	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	10765	0.053	ppbv #	85
51) 2-Hexanone	10.08	43	28086	0.274	ppbv #	30
53) Toluene	9.77	91	220562	0.781	ppbv	97
58) Ethyl Benzene	12.68	91	256702	0.689	ppbv #	89
59) m/p-Xylene	12.96	91	73142	0.225	ppbv #	32
60) o-Xylene	13.66	91	34391	0.110	ppbv #	36

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

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Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SV5DLDUP

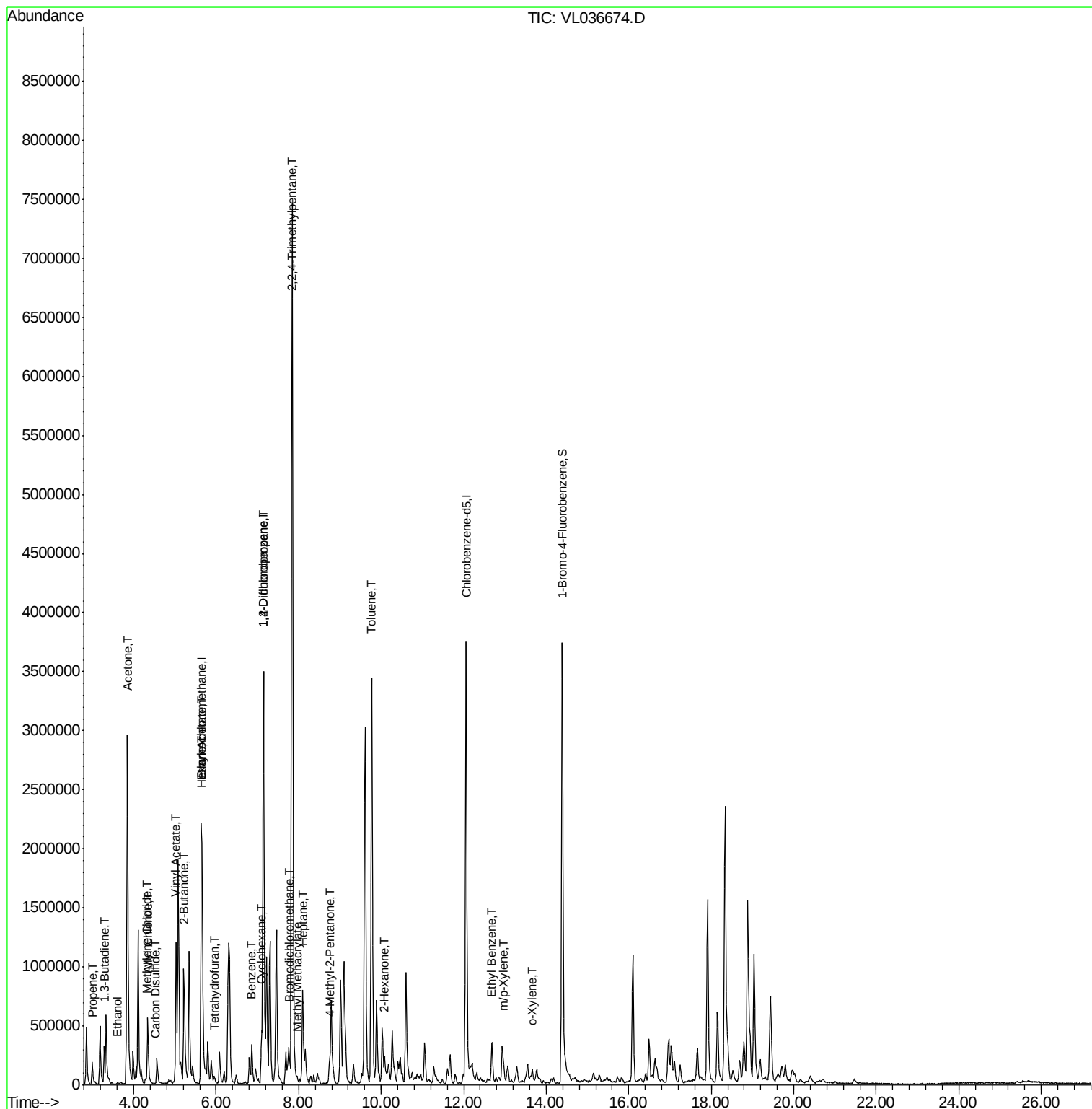
Quant Time: Apr 04 18:43:09 2021

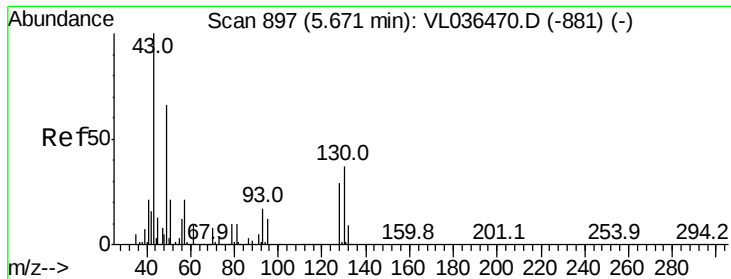
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

SV5DLDUP

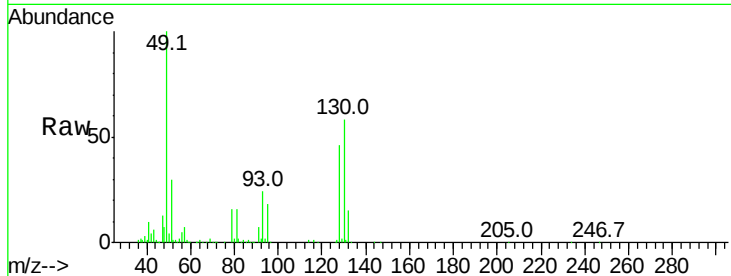
Tgt Ion: 49 Resp: 1084186

Ion Ratio Lower Upper

49 100

128 48.9 23.5 70.6

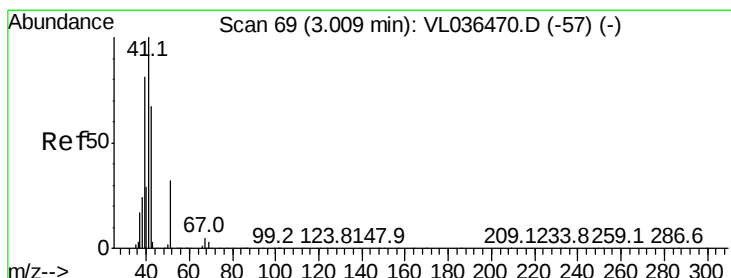
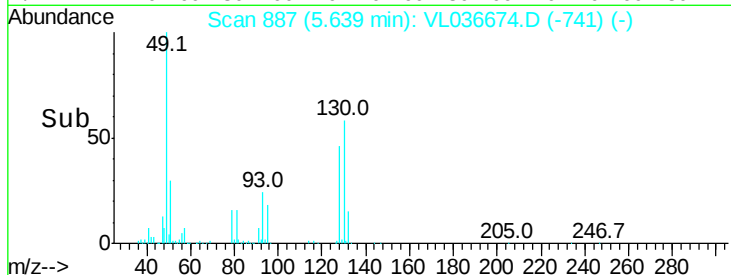
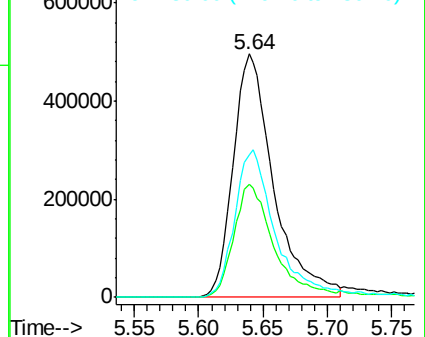
130 63.7 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.047 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036674.D

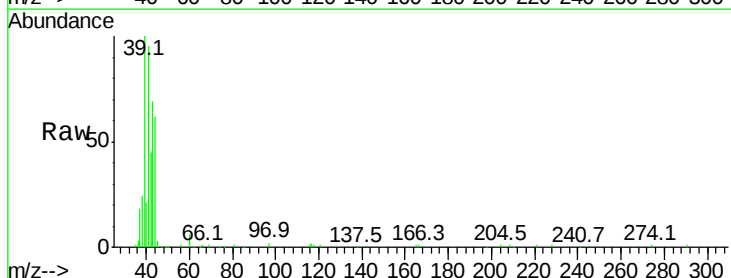
Acq: 3 Apr 2021 10:27

Tgt Ion: 41 Resp: 67641

Ion Ratio Lower Upper

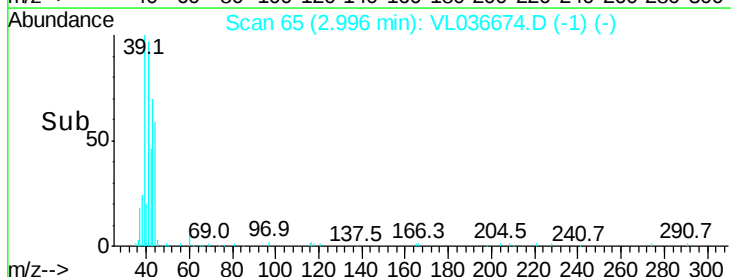
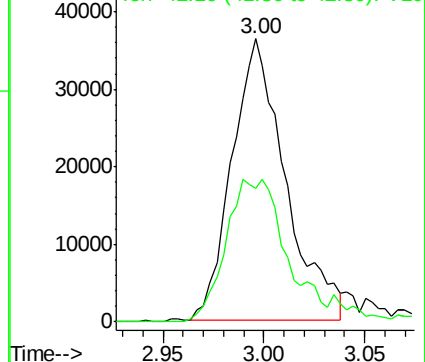
41 100

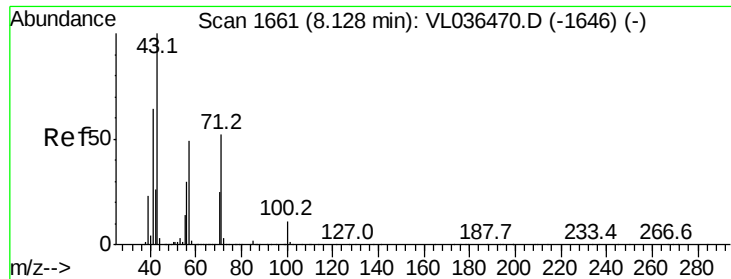
42 61.5 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

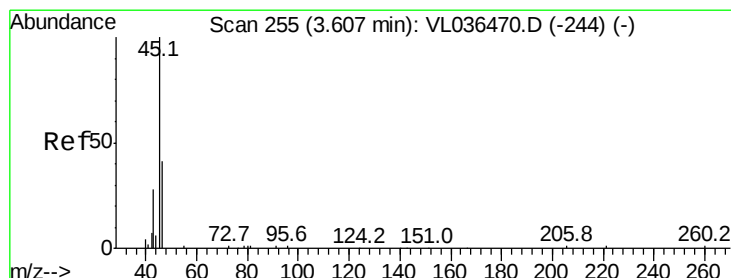
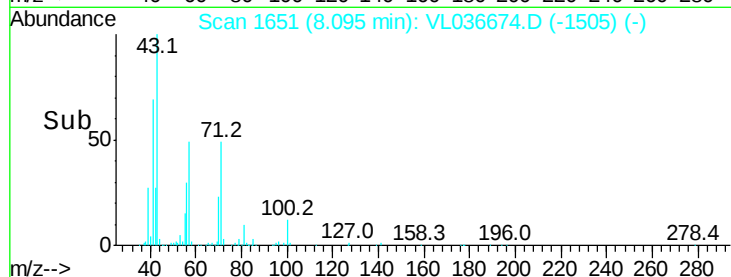
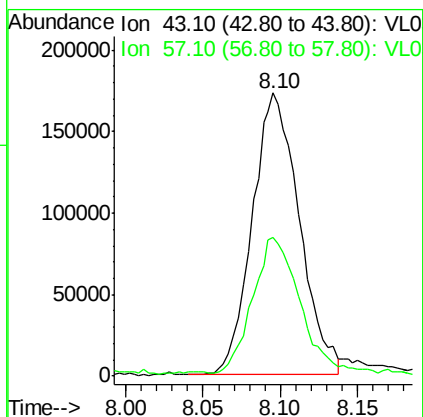
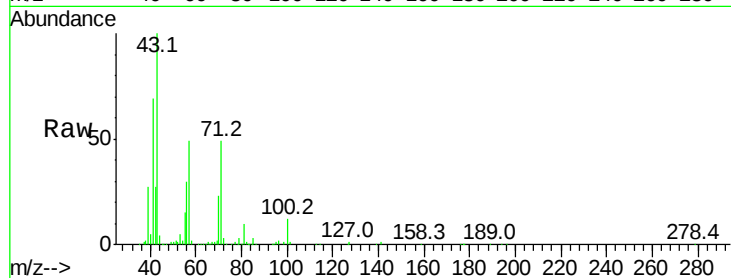




#10
Heptane
Concen: 2.222 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

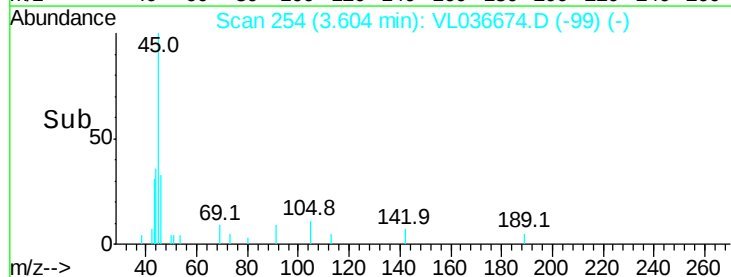
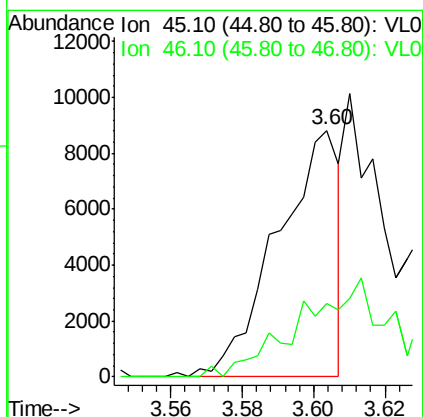
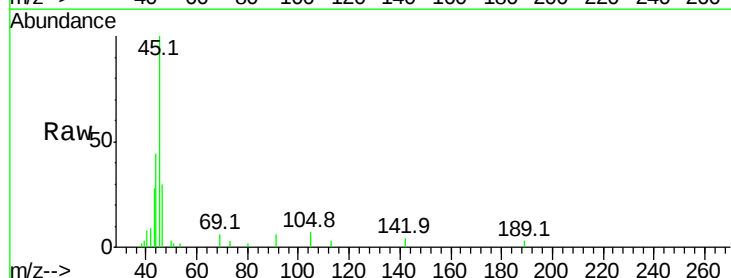
Instrument :
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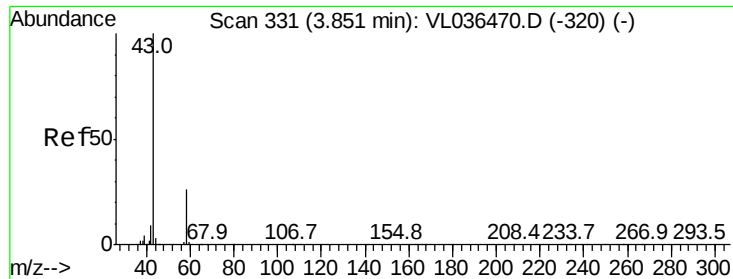
Tgt Ion: 43 Resp: 365491
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#



#13
Ethanol
Concen: 1.374 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion: 45 Resp: 10565
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#





#15

Acetone

Concen: 18.183 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

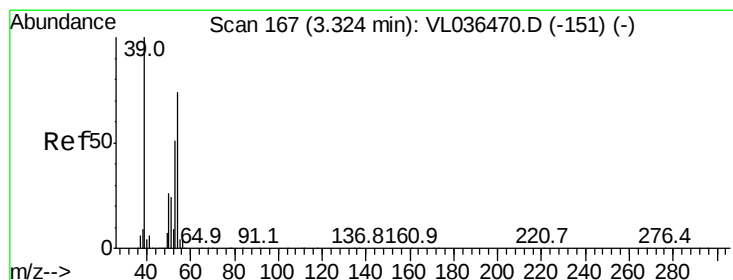
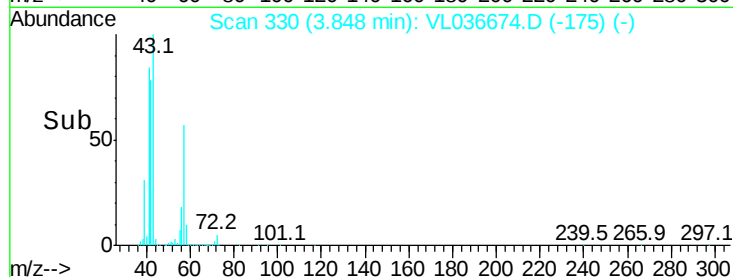
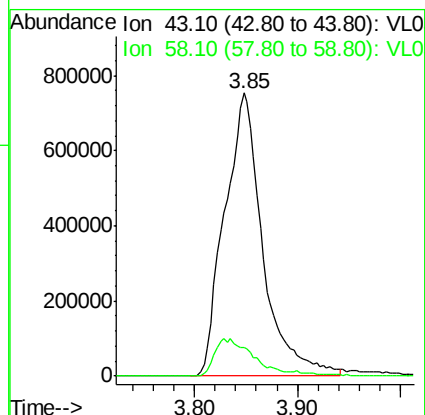
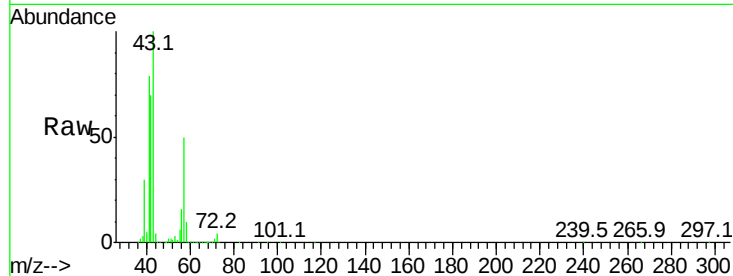
SV5DLDUP

Tgt Ion: 43 Resp: 1940246

Ion Ratio Lower Upper

43 100

58 14.6 21.2 31.8#



#16

1,3-Butadiene

Concen: 1.242 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.04 min

Lab File: VL036674.D

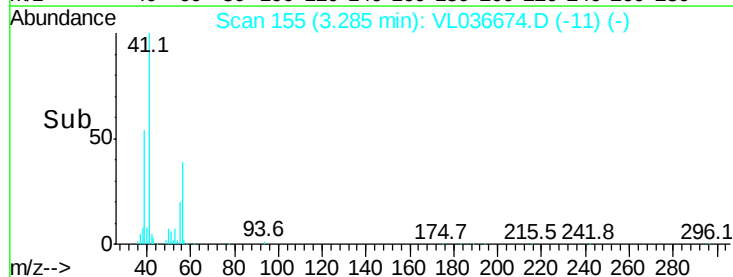
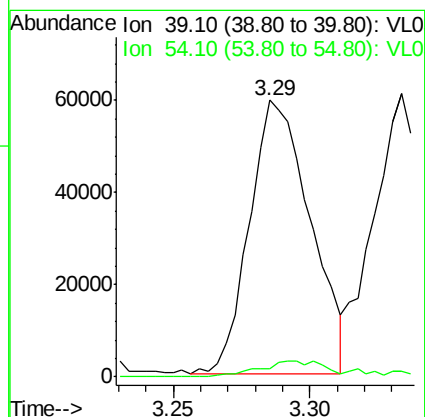
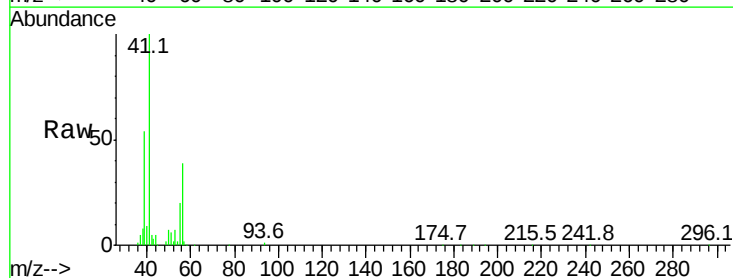
Acq: 3 Apr 2021 10:27

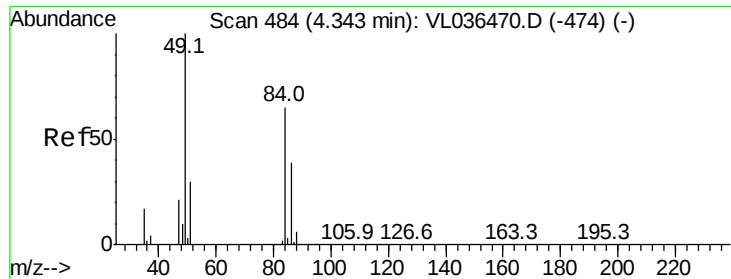
Tgt Ion: 39 Resp: 92290

Ion Ratio Lower Upper

39 100

54 6.9 58.8 88.2#

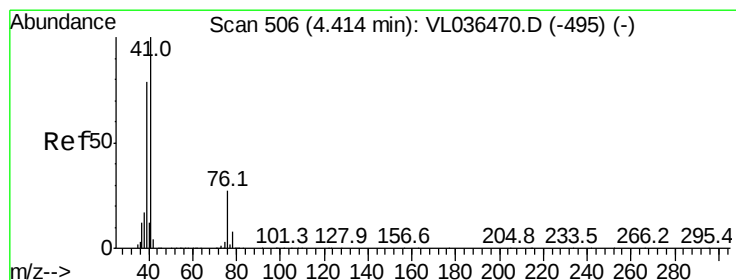
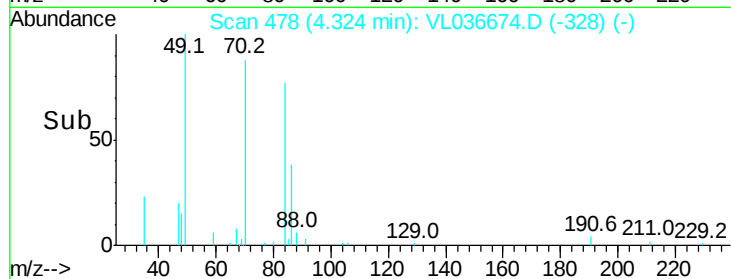
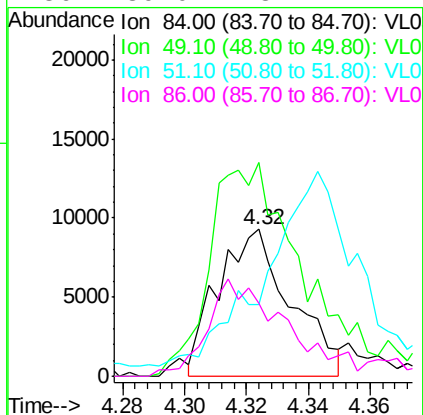
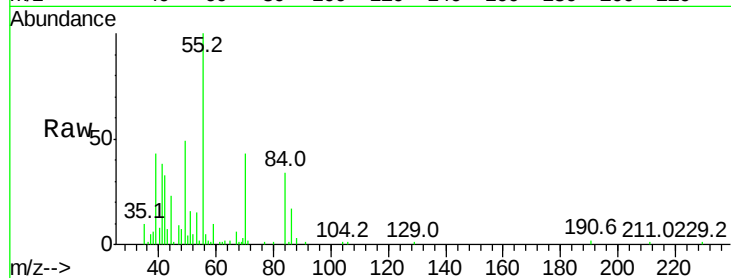




#20
Methylene Chloride
Concen: 0.306 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

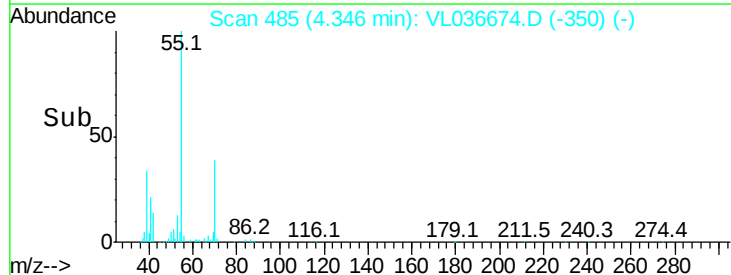
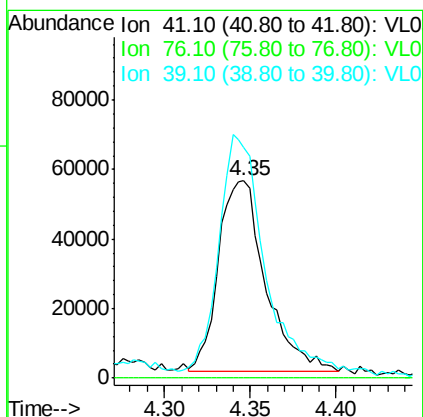
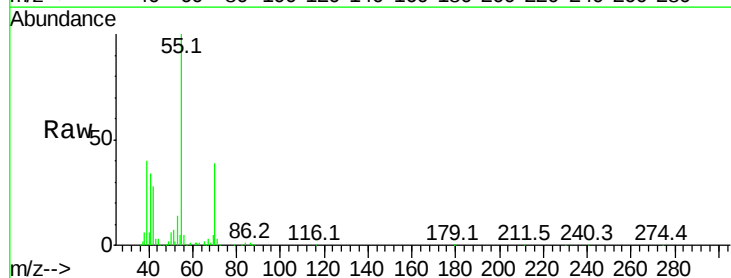
Instrument :
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ClientSampleId :
SV5DLDUP

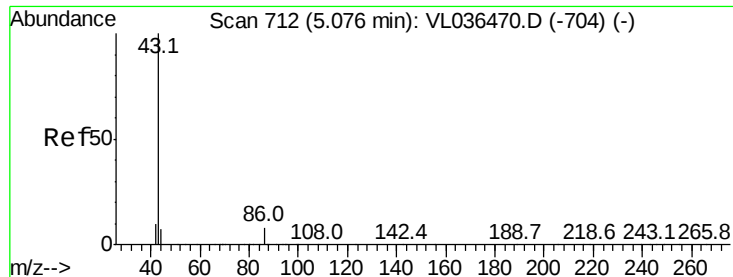
Tgt Ion: 84 Resp: 15286
Ion Ratio Lower Upper
84 100
49 129.6 122.9 184.3
51 36.8 36.9 55.3#
86 39.0 48.2 72.4#



#21
Allyl Chloride
Concen: 1.227 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.07 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion: 41 Resp: 104363
Ion Ratio Lower Upper
41 100
76 4.0 22.9 34.3#
39 128.8 67.3 100.9#





#23

Vinyl Acetate

Concen: 3.332 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.04 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

SV5DLDUP

Tgt Ion: 43 Resp: 608166

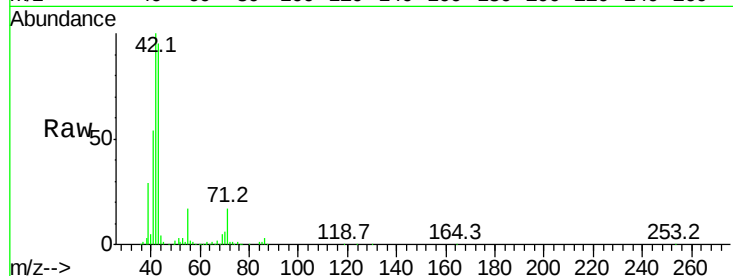
Ion Ratio Lower Upper

43 100

86 3.0 5.4 8.0#

42 105.7 8.5 12.7#

44 2.8 4.6 7.0#

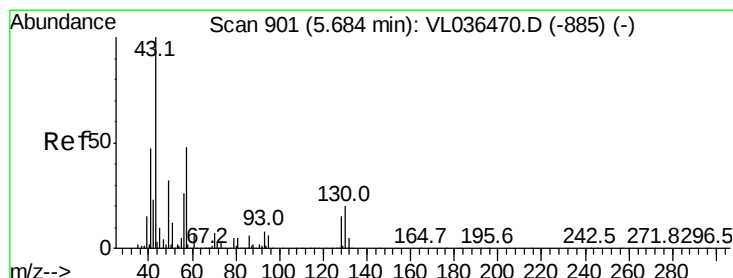
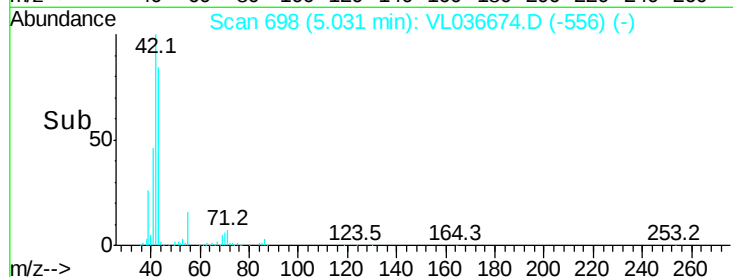
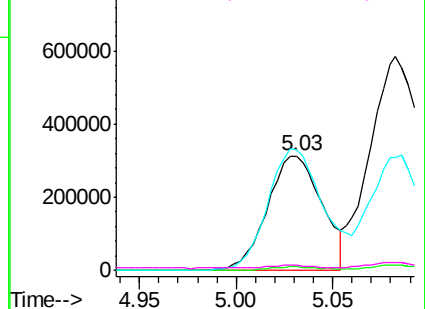


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 1.397 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Tgt Ion: 43 Resp: 354492

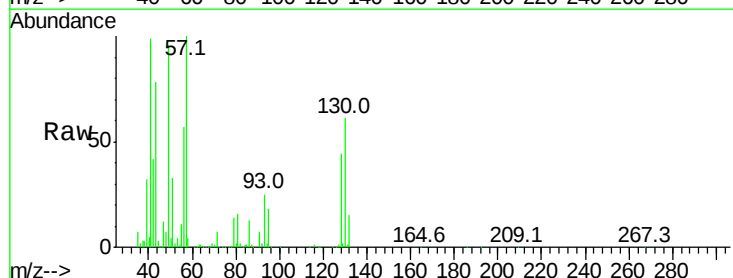
Ion Ratio Lower Upper

43 100

45 0.9 7.9 11.9#

61 0.3 7.4 11.2#

70 2.0 5.1 7.7#



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

