

Data File : VL034829.D
Acq On : 7 Mar 2020 00:23
Operator : SY/AP
Sample : L1698-05DL2 600X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-5-4DL2

Quant Time: Mar 07 03:20:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	903198	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	2093430	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2078775	10.00	ppbv	-0.03

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.45 95 1622780 9.36 ppbv -0.03
Spiked Amount 10.000 Range 65 - 135 Recovery = 93.60%

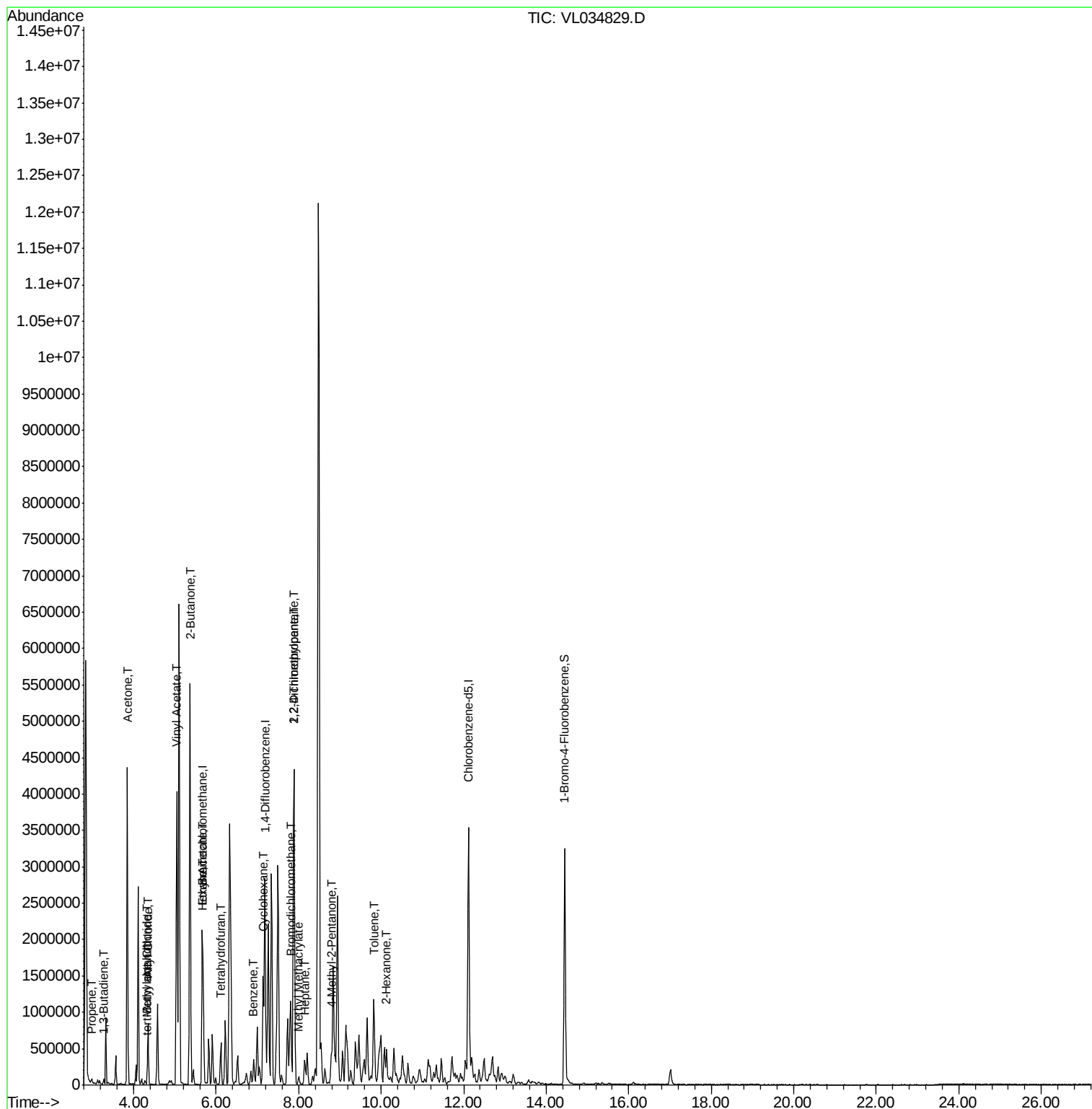
Target Compounds					Qvalue	
9) Propene	2.97	41	4810	0.119	ppbv #	22
10) Heptane	8.14	43	100472	0.976	ppbv #	27
15) Acetone	3.85	43	1467437	13.568	ppbv #	55
16) 1,3-Butadiene	3.27	39	20197	0.413	ppbv #	14
17) tert-Butyl alcohol	4.31	59	4089	0.048	ppbv #	71
20) Methylene Chloride	4.32	84	4748	0.123	ppbv #	82
21) Allyl Chloride	4.35	41	141802	2.070	ppbv #	65
23) Vinyl Acetate	5.04	43	1927908	13.293	ppbv #	1
25) Ethyl Acetate	5.68	43	363454	1.945	ppbv #	76
26) Hexane	5.69	57	510313	6.250	ppbv #	42
30) Cyclohexane	7.14	84	521826	8.354	ppbv #	98
34) 2-Butanone	5.37	43	818201	6.008	ppbv #	56
36) Benzene	6.89	78	8707	0.049	ppbv #	74
39) 1,2-Dichloropropane	7.88	63	6991	0.097	ppbv #	1
41) Tetrahydrofuran	6.11	42	29986	0.432	ppbv #	36
42) Bromodichloromethane	7.81	83	177901	1.151	ppbv #	25
43) Methyl Methacrylate	8.00	69	39071	0.515	ppbv #	51
44) 2,2,4-Trimethylpentane	7.89	57	3378820	10.809	ppbv #	79
50) 4-Methyl-2-Pentanone	8.79	43	13975	0.072	ppbv #	39
51) 2-Hexanone	10.13	43	109110	0.713	ppbv #	30
53) Toluene	9.83	91	7934	0.042	ppbv	90

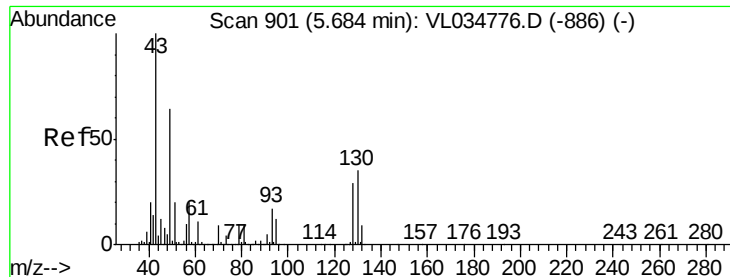
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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Acq: 7 Mar 2020 00:23

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4DL2

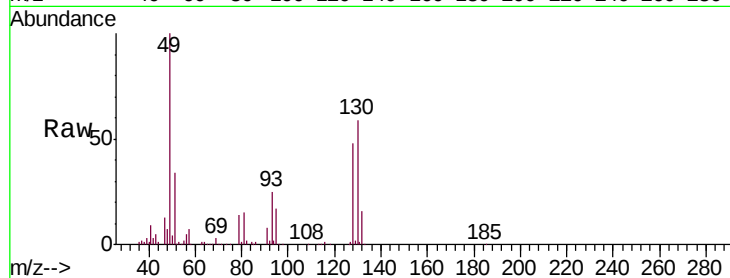
Tgt Ion: 49 Resp: 903198

Ion Ratio Lower Upper

49 100

128 47.8 21.6 64.6

130 60.6 27.4 82.2



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

5.66

600000

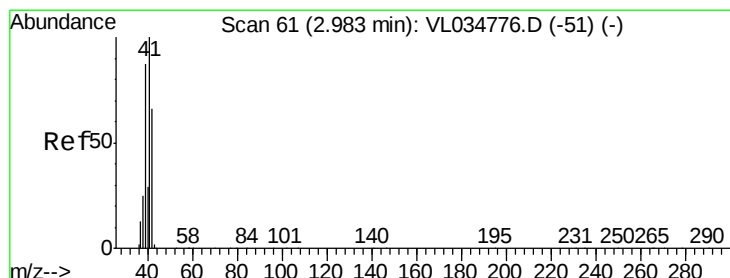
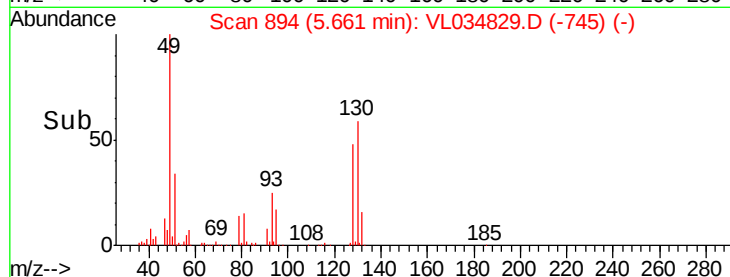
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.119 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034829.D

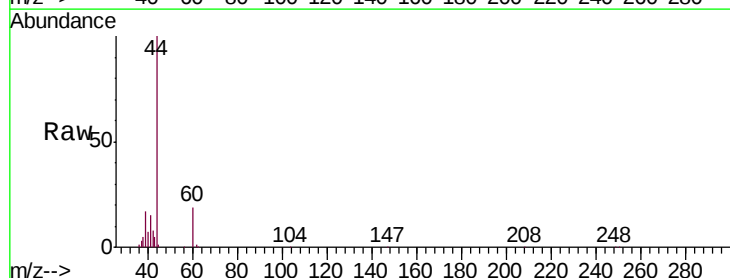
Acq: 7 Mar 2020 00:23

Tgt Ion: 41 Resp: 4810

Ion Ratio Lower Upper

41 100

42 133.0 55.6 83.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

6000

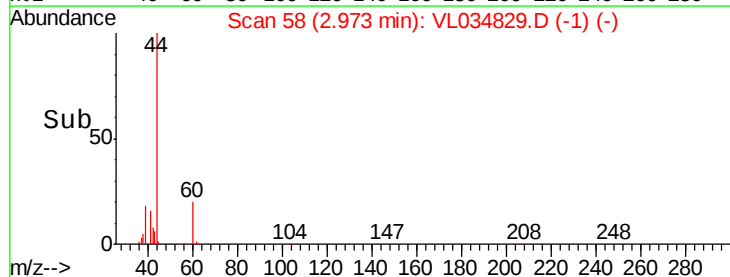
4000

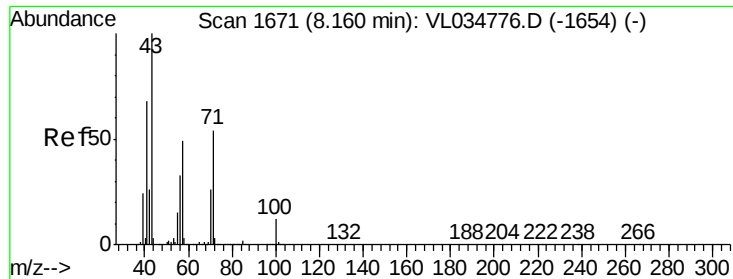
2000

0

2.94 2.95 2.96 2.97 2.98

Time-->

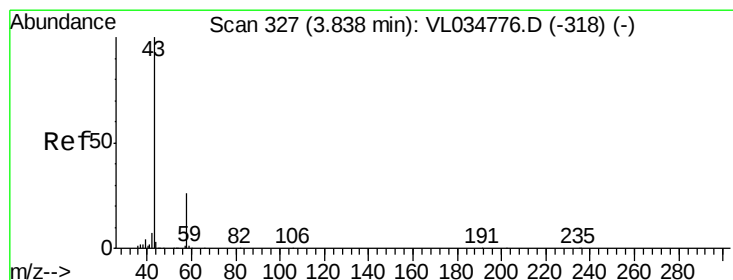
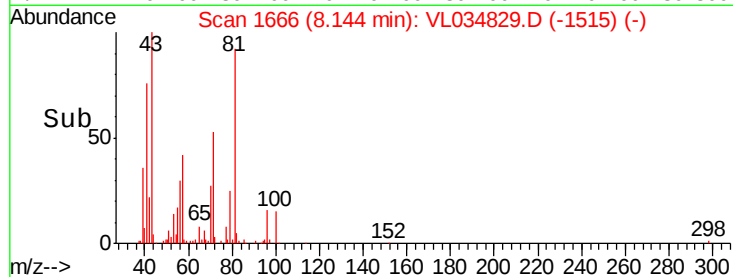
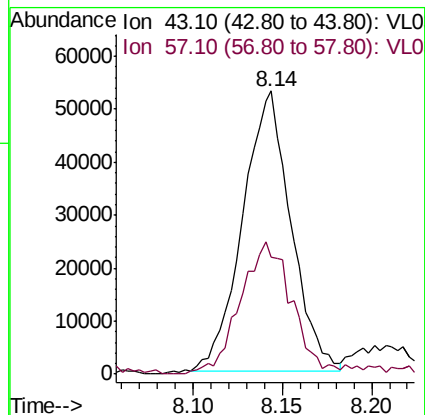
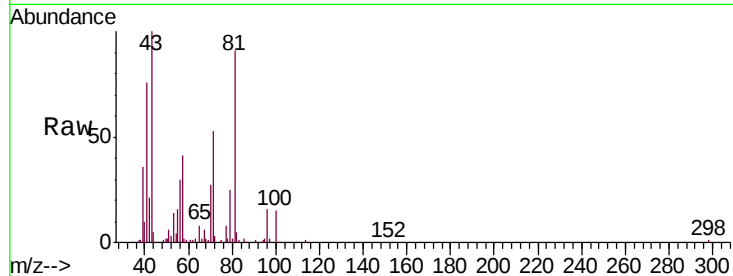




#10
Heptane
Concen: 0.976 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. -0.02 min
Lab File: VL034829.D
Acq: 7 Mar 2020 00:23

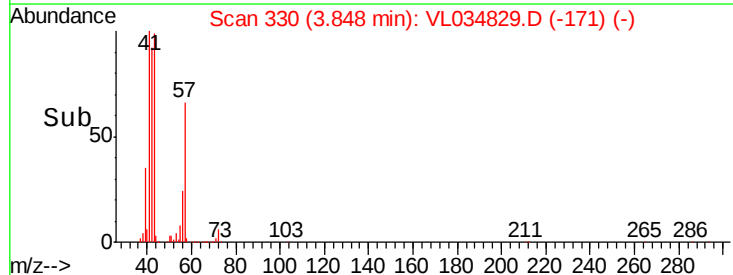
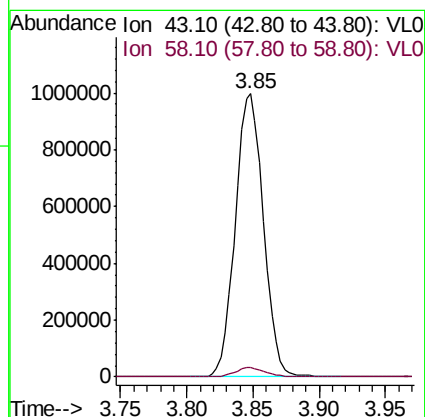
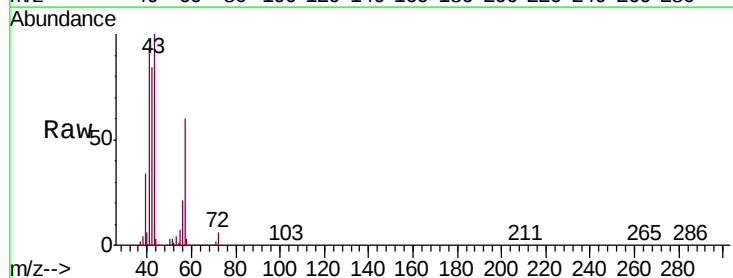
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4DL2

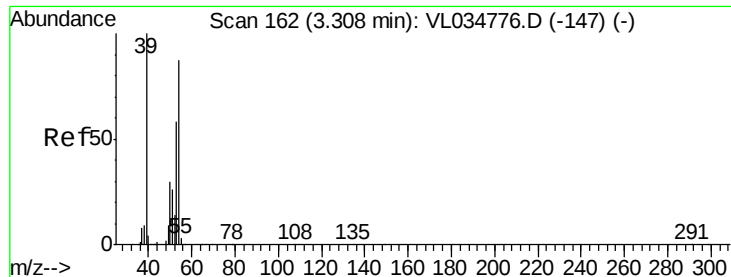
Tgt Ion: 43 Resp: 100472
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7#



#15
Acetone
Concen: 13.568 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034829.D
Acq: 7 Mar 2020 00:23

Tgt Ion: 43 Resp: 1467437
Ion Ratio Lower Upper
43 100
58 3.5 21.0 31.6#

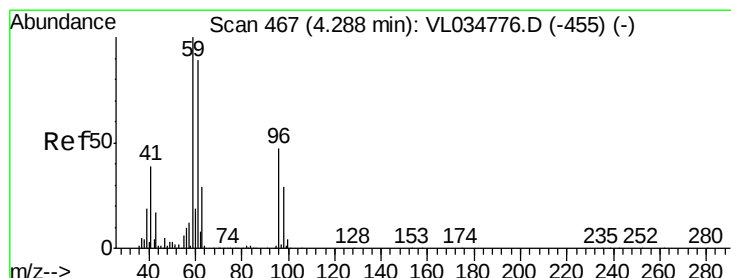
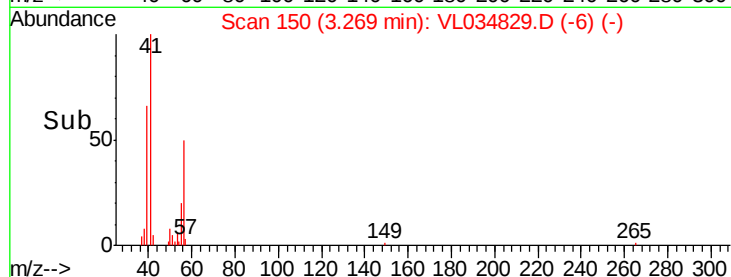
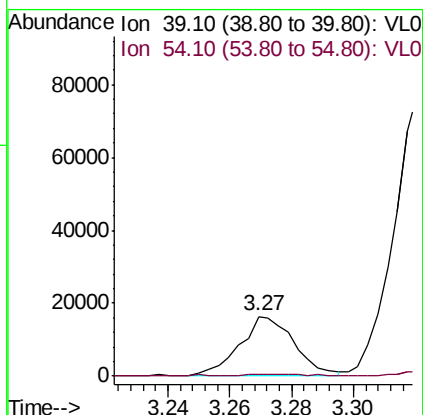
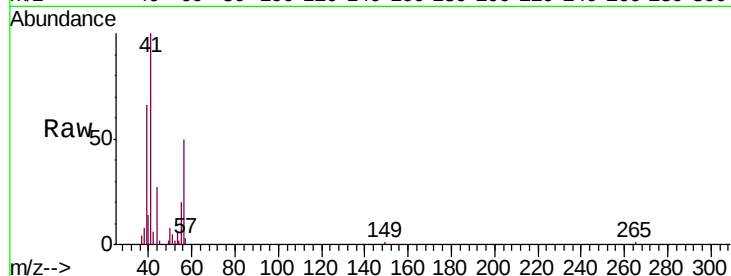




#16
1,3-Butadiene
Concen: 0.413 ppbv
RT: 3.27 min Scan# 150
Delta R.T. -0.04 min
Lab File: VL034829.D
Acq: 7 Mar 2020 00:23

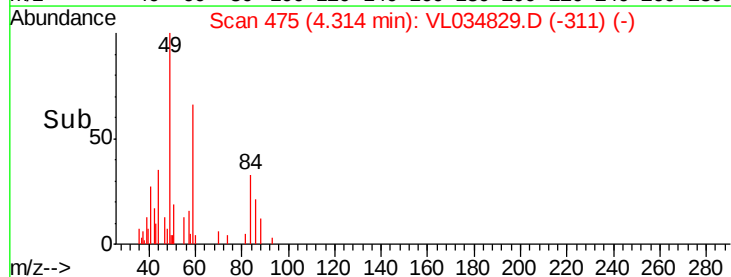
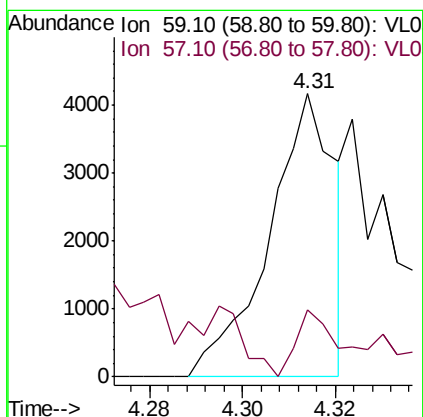
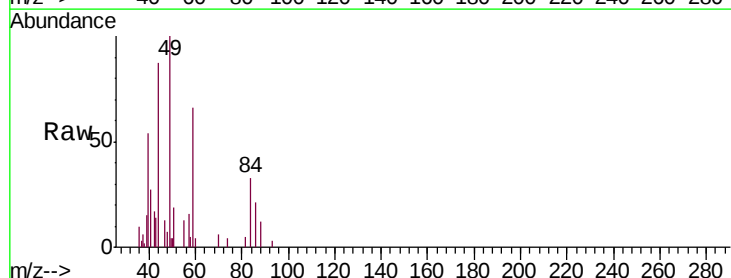
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4DL2

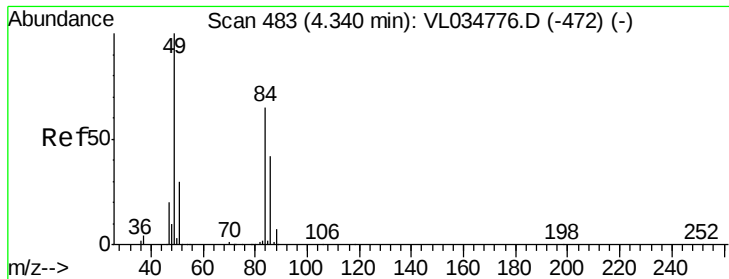
Tgt Ion: 39 Resp: 20197
Ion Ratio Lower Upper
39 100
54 4.5 64.2 96.2#



#17
tert-Butyl alcohol
Concen: 0.048 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.03 min
Lab File: VL034829.D
Acq: 7 Mar 2020 00:23

Tgt Ion: 59 Resp: 4089
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#20

Methylene Chloride

Concen: 0.123 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL034829.D

Acq: 7 Mar 2020 00:23

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4DL2

Tgt Ion: 84 Resp: 4748

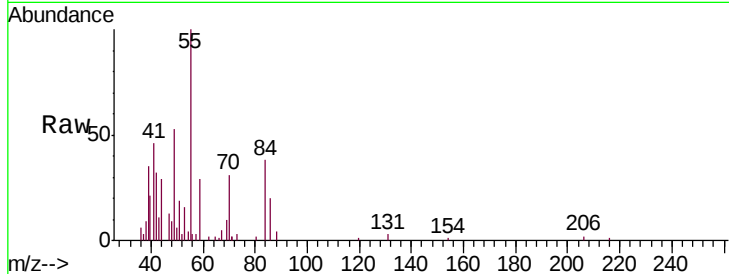
Ion Ratio Lower Upper

84 100

49 128.8 123.2 184.8

51 44.6 37.4 56.2

86 46.2 51.6 77.4#

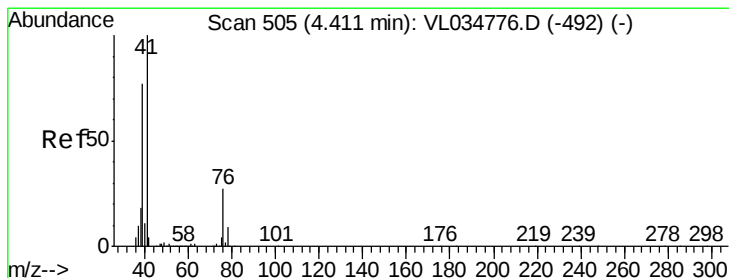
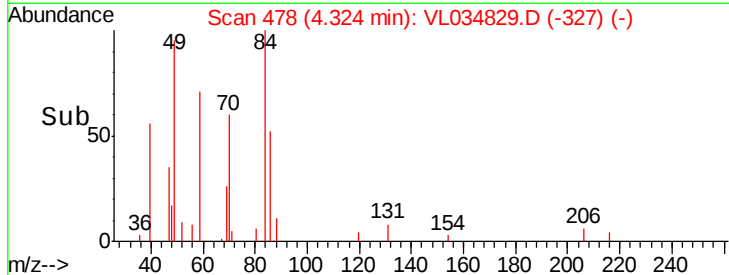
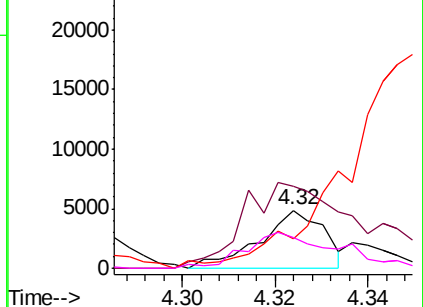


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#21

Allyl Chloride

Concen: 2.070 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.06 min

Lab File: VL034829.D

Acq: 7 Mar 2020 00:23

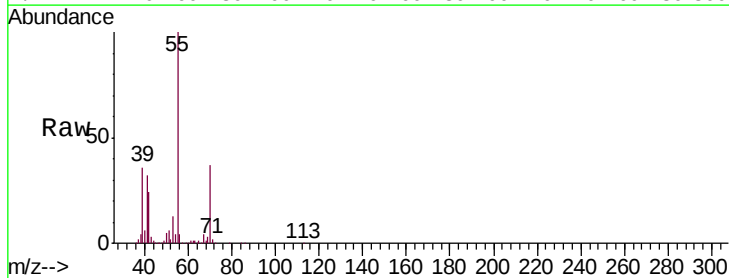
Tgt Ion: 41 Resp: 141802

Ion Ratio Lower Upper

41 100

76 1.3 22.5 33.7#

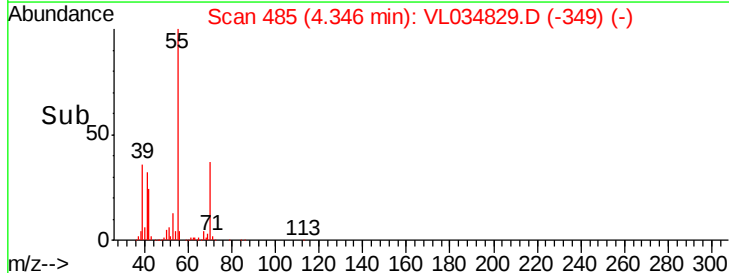
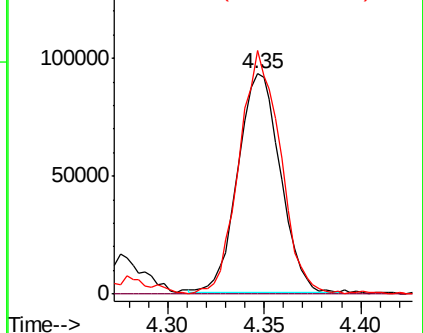
39 108.0 65.0 97.6#

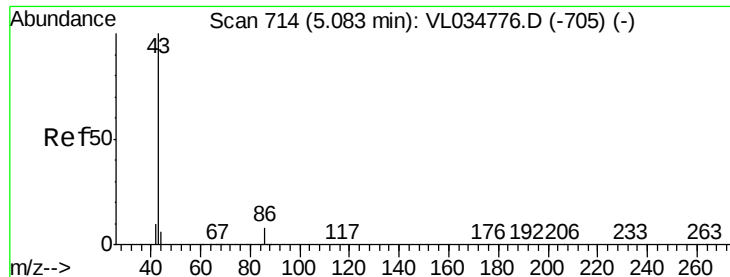


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 13.293 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.04 min

Lab File: VL034829.D

Acq: 7 Mar 2020 00:23

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4DL2

Tgt Ion: 43 Resp: 1927908

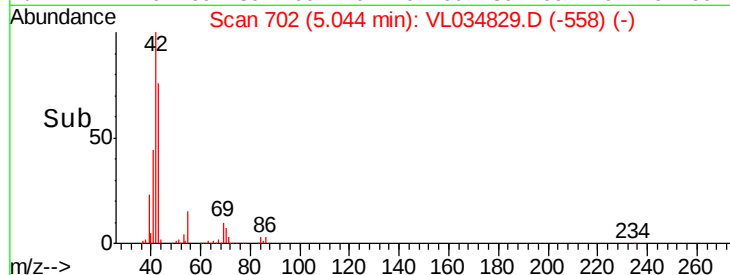
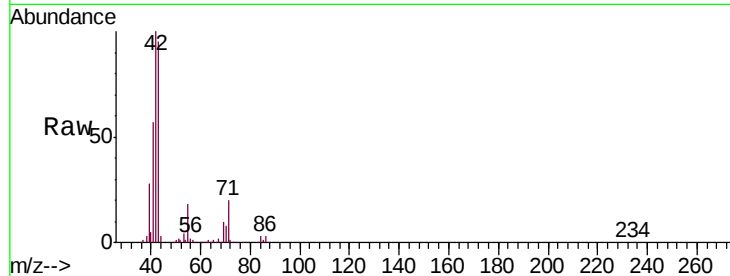
Ion Ratio Lower Upper

43 100

86 2.7 5.9 8.9#

42 105.7 8.2 12.2#

44 3.2 4.5 6.7#

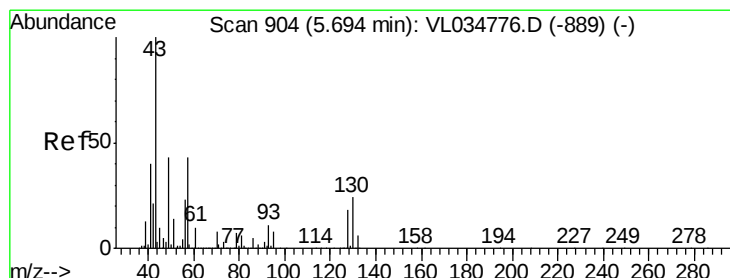
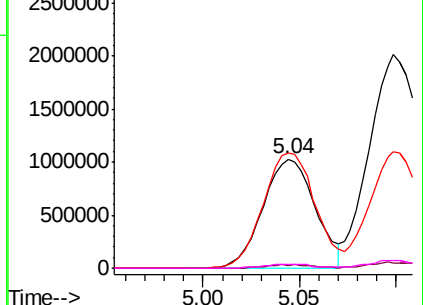


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.945 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034829.D

Acq: 7 Mar 2020 00:23

Tgt Ion: 43 Resp: 363454

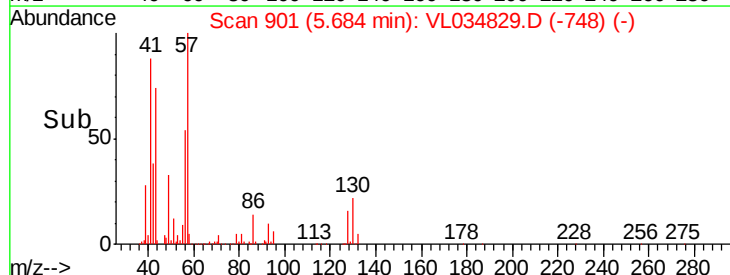
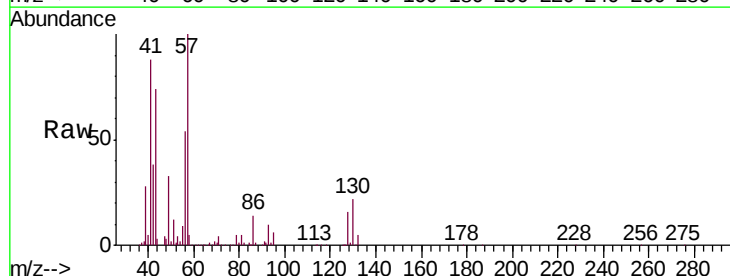
Ion Ratio Lower Upper

43 100

45 0.1 8.2 12.4#

61 0.2 7.5 11.3#

70 1.6 6.0 9.0#



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

