

Data File : VL035073.D
Acq On : 20 May 2020 9:50
Operator : SY/AP
Sample : L2712-03 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: May 20 14:03:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1158269	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2635556	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2527562	10.00	ppbv	-0.03

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.43 95 2150761 10.51 ppbv -0.03
Spiked Amount 10.000 Range 65 - 135 Recovery = 105.10%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.00	85	9796	0.060 ppbv	90
3) Chlorodifluoromethane	2.94	51	5049	0.038 ppbv	92
4) Chloromethane	3.09	50	2311	0.030 ppbv #	43
9) Propene	2.96	41	33447	0.583 ppbv	92
10) Heptane	8.10	43	8156	0.057 ppbv #	26
13) Ethanol	3.56	45	14102	0.745 ppbv #	52
15) Acetone	3.80	43	5501262	35.926 ppbv	91
16) 1,3-Butadiene	3.26	39	391185	5.936 ppbv #	14
17) tert-Butyl alcohol	4.26	59	290482	2.132 ppbv	100
19) Isopropyl Alcohol	3.93	45	83835	0.821 ppbv #	94
20) Methylene Chloride	4.31	84	24992	0.493 ppbv #	93
21) Allyl Chloride	4.25	41	114918	1.329 ppbv #	68
25) Ethyl Acetate	5.66	43	12344	0.048 ppbv #	82
26) Hexane	5.66	57	38428	0.345 ppbv #	23
34) 2-Butanone	5.21	43	573727	3.502 ppbv	99
36) Benzene	6.88	78	8326	0.038 ppbv #	78
39) 1,2-Dichloropropane	7.16	63	700536	8.042 ppbv #	24
51) 2-Hexanone	10.14	43	119773	0.656 ppbv #	95
53) Toluene	9.80	91	115621	0.502 ppbv	95
58) Ethyl Benzene	12.72	91	28328	0.091 ppbv	99
59) m/p-Xylene	13.01	91	15581	0.057 ppbv #	8
60) o-Xylene	13.70	91	11335	0.042 ppbv #	1
72) 4-Ethyltoluene	15.85	105	21340	0.070 ppbv #	60
74) 1,2,4-Trimethylbenzene	16.78	105	89799	0.279 ppbv #	64
80) Naphthalene,2-methyl-	25.00	142	2773	0.045 ppbv #	83

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

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Sample : L2712-03 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

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ClientSampleId :

SV3

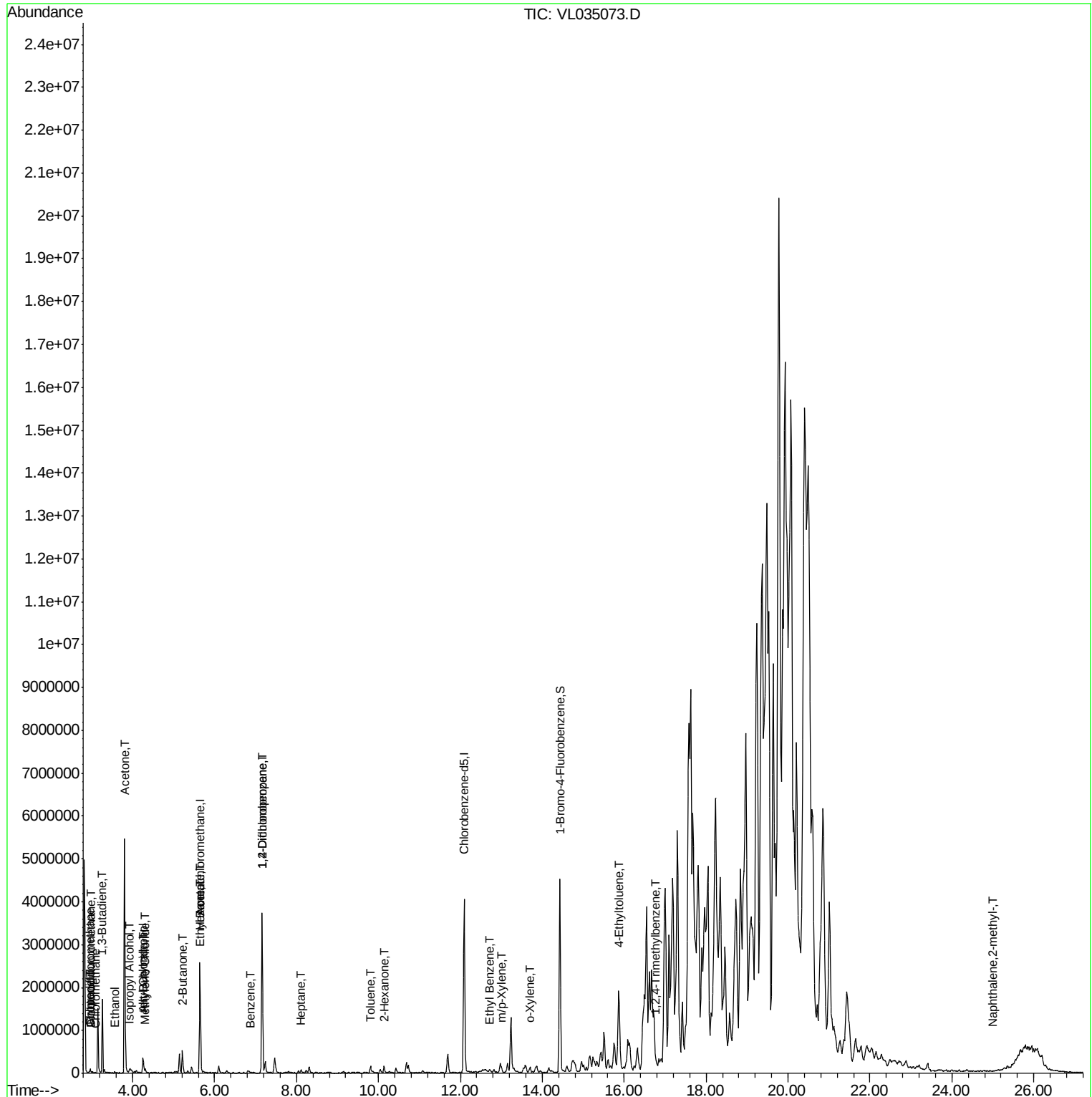
Quant Time: May 20 14:03:06 2020

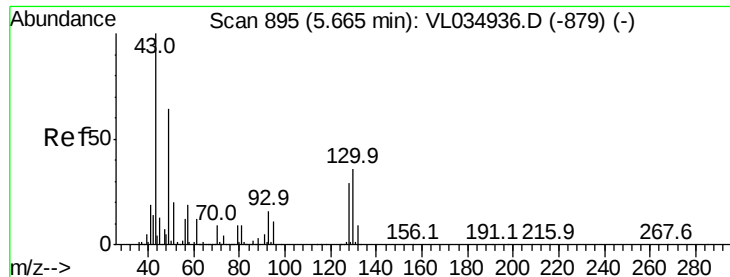
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020

QLast Update : Wed May 06 14:49:39 2020

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampleId :

SV3

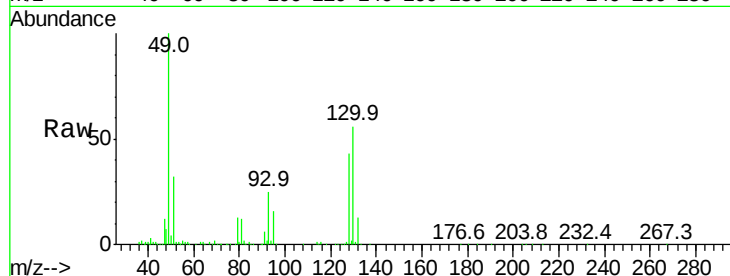
Tgt Ion: 49 Resp: 1158269

Ion Ratio Lower Upper

49 100

128 44.4 22.1 66.5

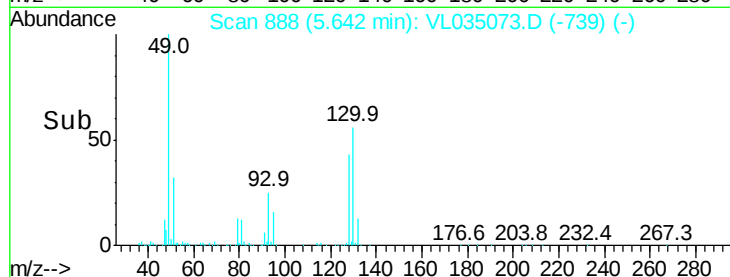
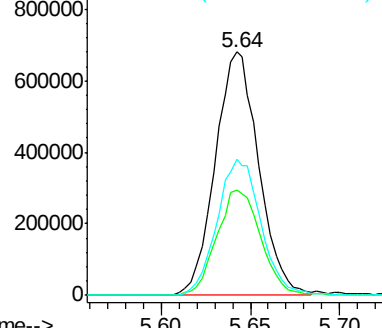
130 57.1 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 0.060 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL035073.D

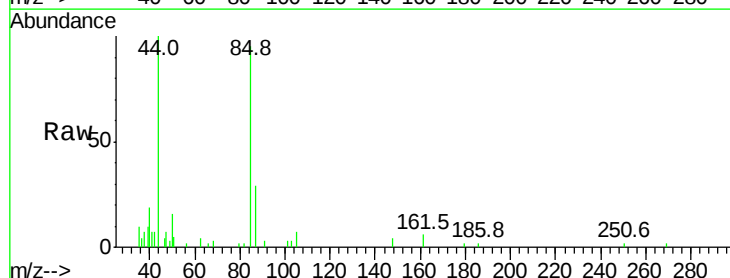
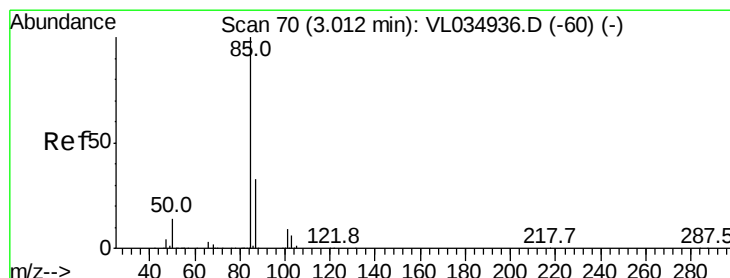
Acq: 20 May 2020 9:50

Tgt Ion: 85 Resp: 9796

Ion Ratio Lower Upper

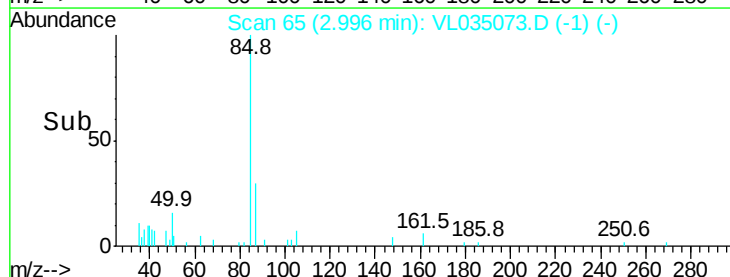
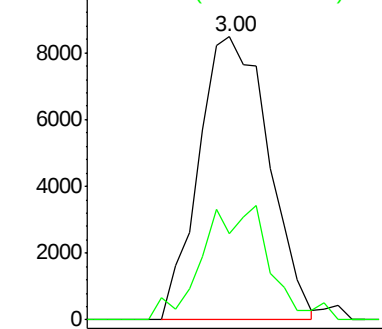
85 100

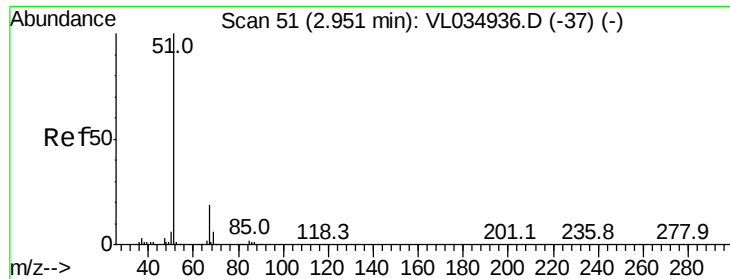
87 27.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

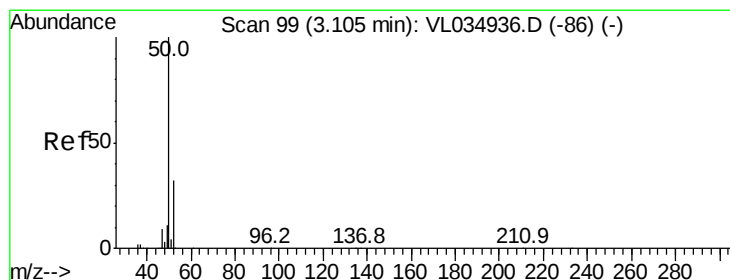
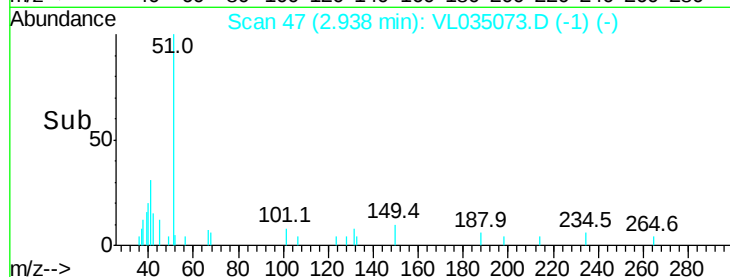
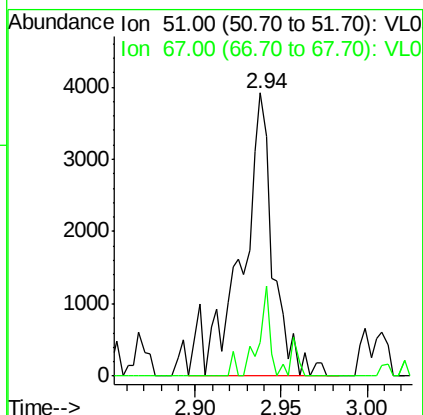
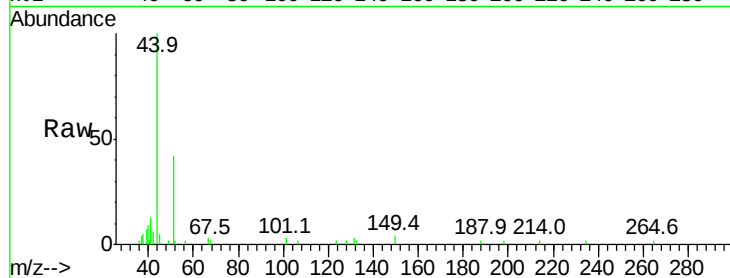




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

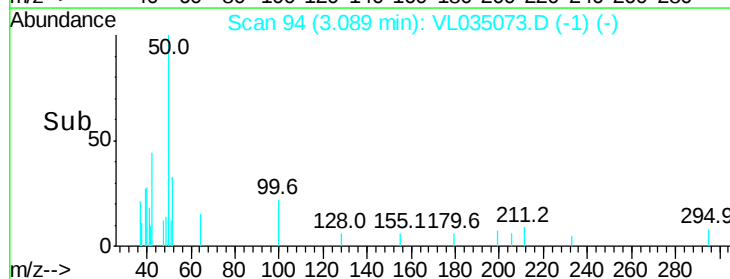
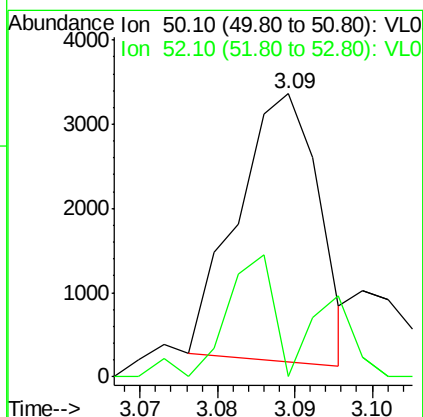
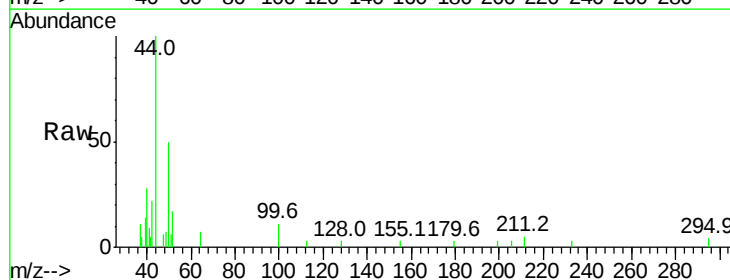
Instrument :
MSVOA_L
ClientSampleId :
SV3

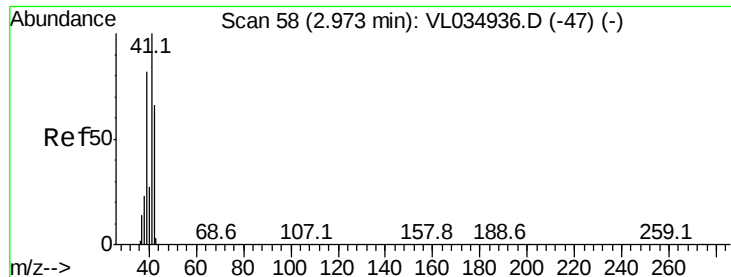
Tgt Ion: 51 Resp: 5049
Ion Ratio Lower Upper
51 100
67 15.1 15.0 22.6



#4
Chloromethane
Concen: 0.030 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 50 Resp: 2311
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#9

Propene

Concen: 0.583 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampleId :

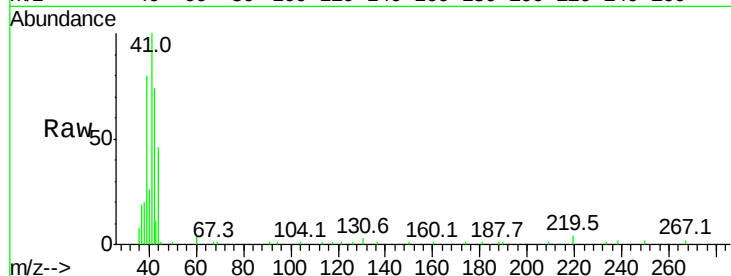
SV3

Tgt Ion: 41 Resp: 33447

Ion Ratio Lower Upper

41 100

42 62.0 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.96

25000

20000

15000

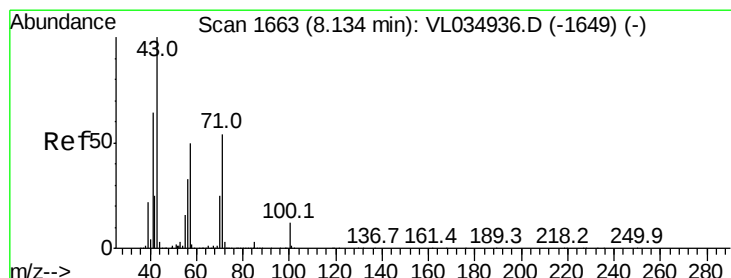
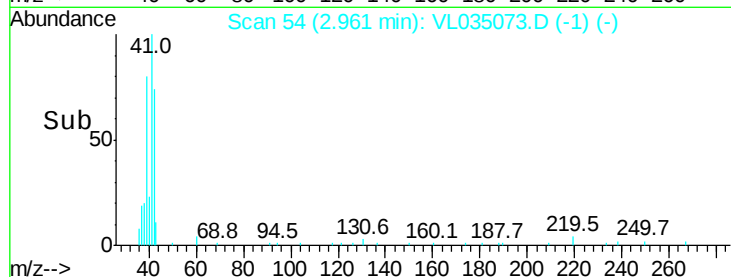
10000

5000

0

Time-->

2.90 2.95 3.00



#10

Heptane

Concen: 0.057 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035073.D

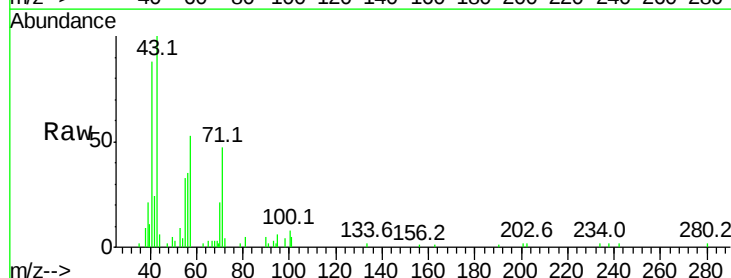
Acq: 20 May 2020 9:50

Tgt Ion: 43 Resp: 8156

Ion Ratio Lower Upper

43 100

57 0.0 41.1 61.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

15000

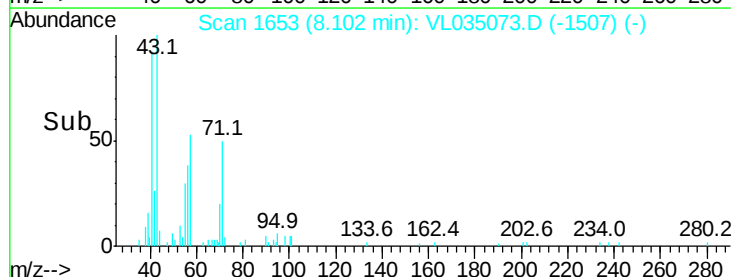
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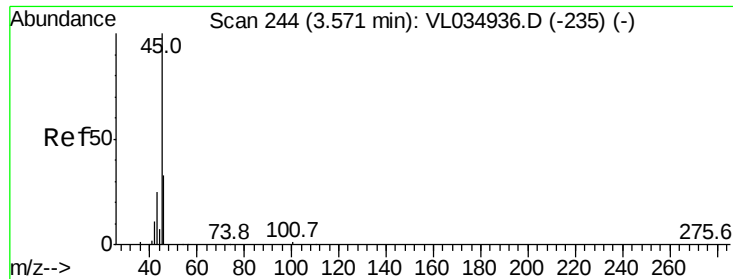
5000

0

Time-->

8.08 8.09 8.10 8.11





#13

Ethanol

Concen: 0.745 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampled :

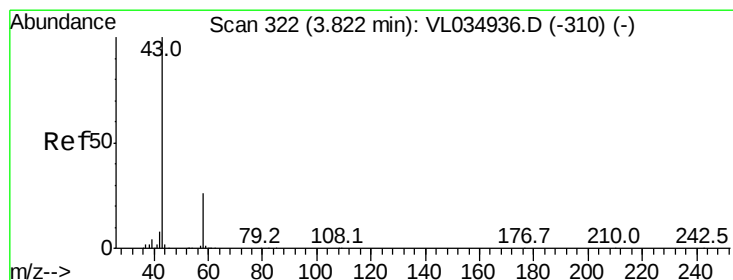
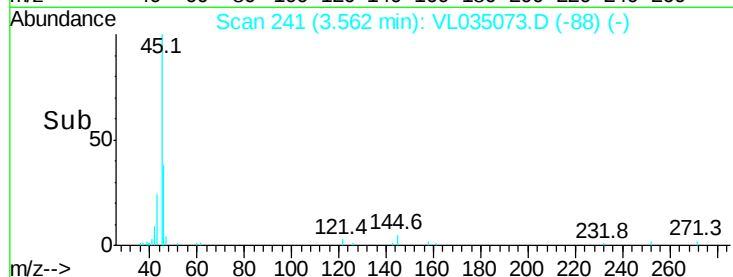
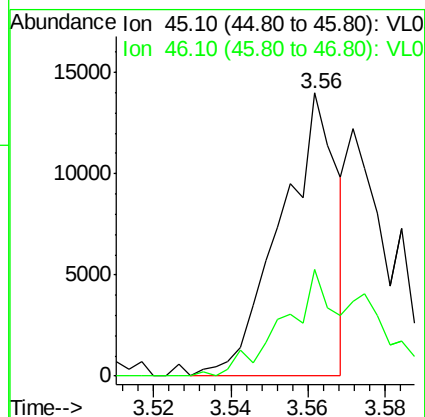
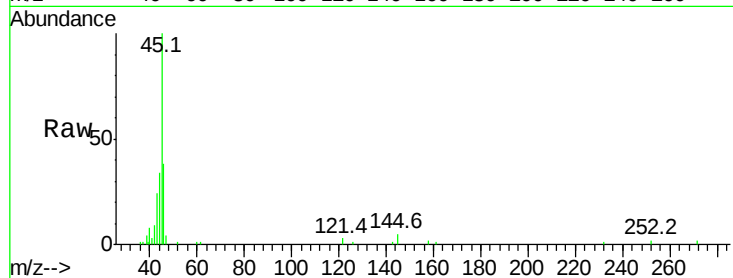
SV3

Tgt Ion: 45 Resp: 14102

Ion Ratio Lower Upper

45 100

46 64.2 14.3 57.3#



#15

Acetone

Concen: 35.926 ppbv

RT: 3.80 min Scan# 315

Delta R.T. -0.02 min

Lab File: VL035073.D

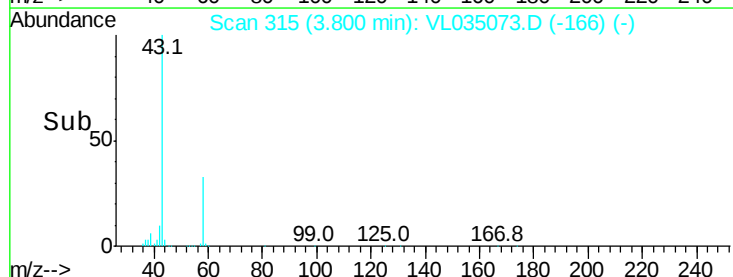
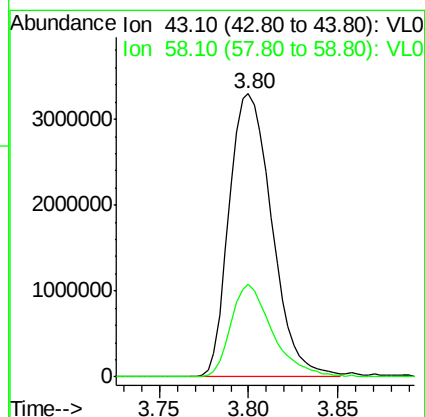
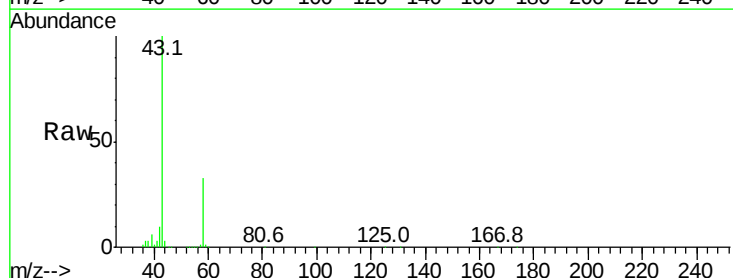
Acq: 20 May 2020 9:50

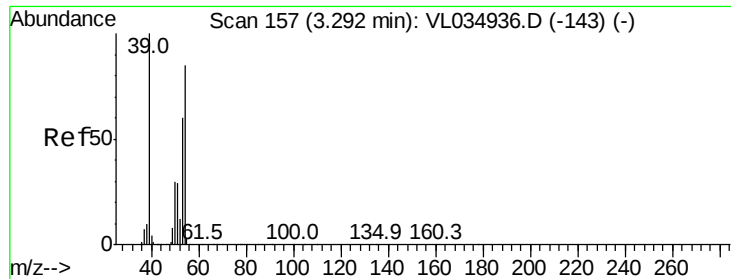
Tgt Ion: 43 Resp: 5501262

Ion Ratio Lower Upper

43 100

58 31.9 21.7 32.5

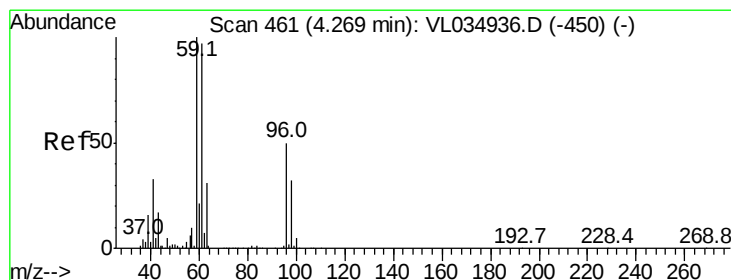
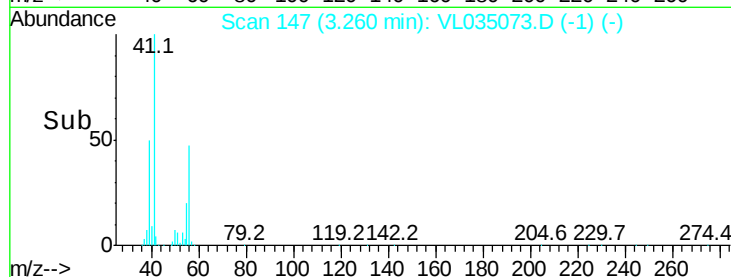
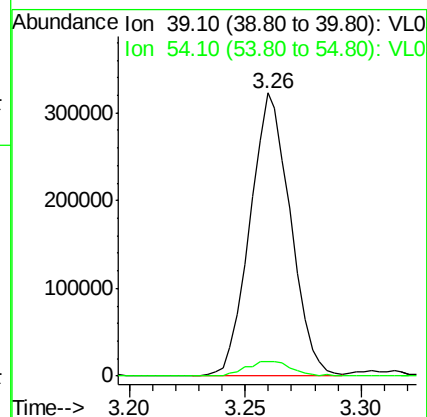
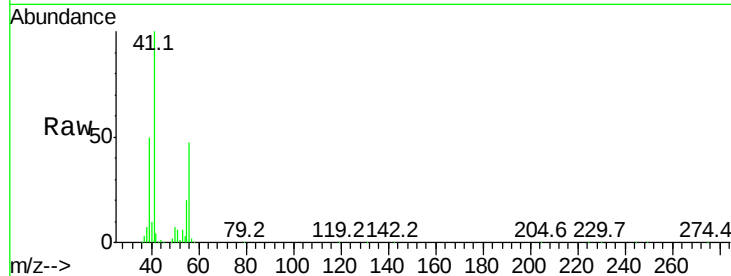




#16
 1,3-Butadiene
 Concen: 5.936 ppbv
 RT: 3.26 min Scan# 147
 Delta R.T. -0.03 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

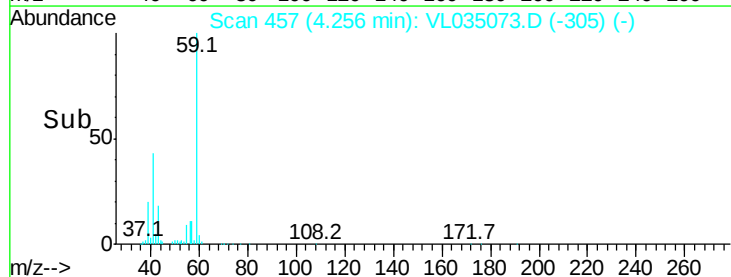
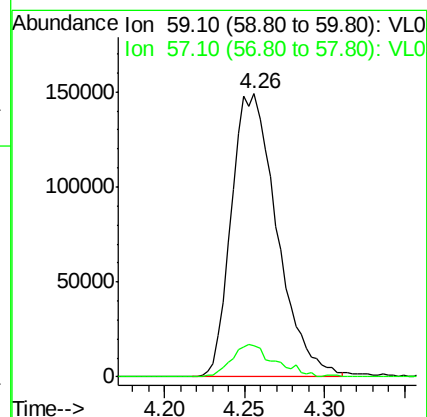
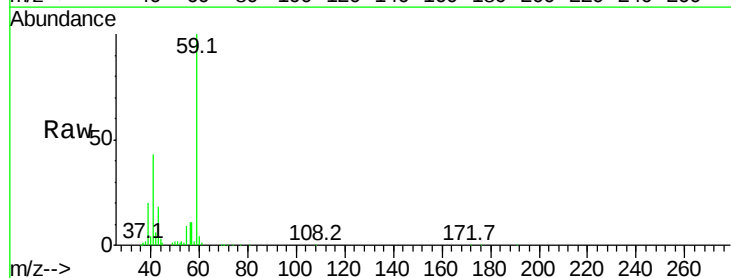
Instrument :
 MSVOA_L
 ClientSampled :
 SV3

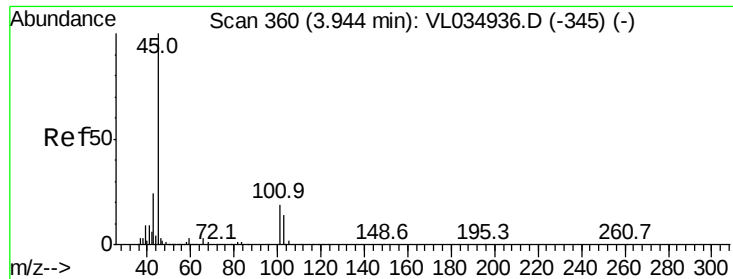
Tgt Ion: 39 Resp: 391185
 Ion Ratio Lower Upper
 39 100
 54 6.1 66.6 100.0#



#17
 tert-Butyl alcohol
 Concen: 2.132 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

Tgt Ion: 59 Resp: 290482
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.7 13.1





#19

Isopropyl Alcohol

Concen: 0.821 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampleId :

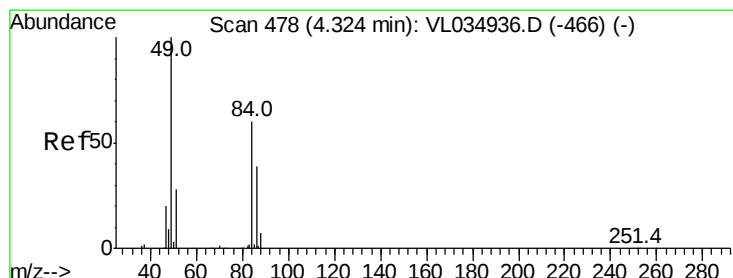
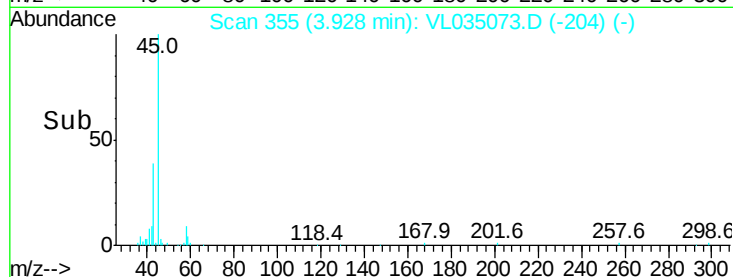
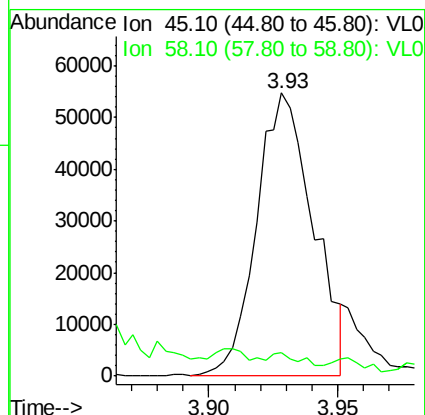
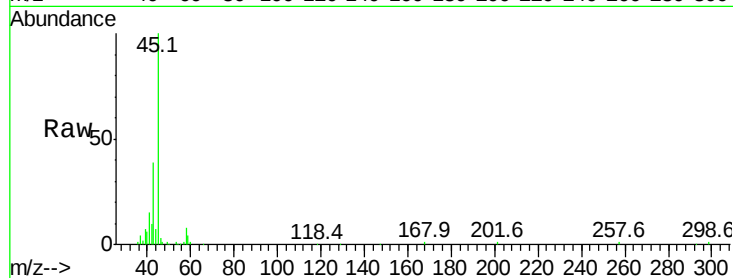
SV3

Tgt Ion: 45 Resp: 83835

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.493 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Tgt Ion: 84 Resp: 24992

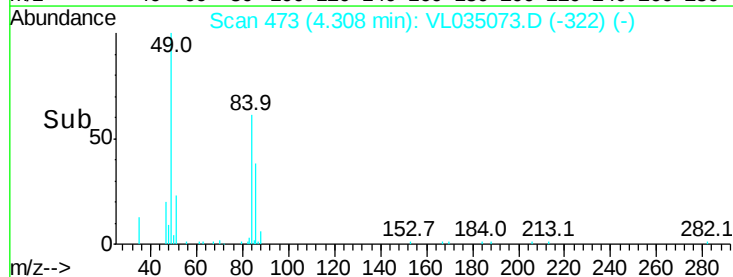
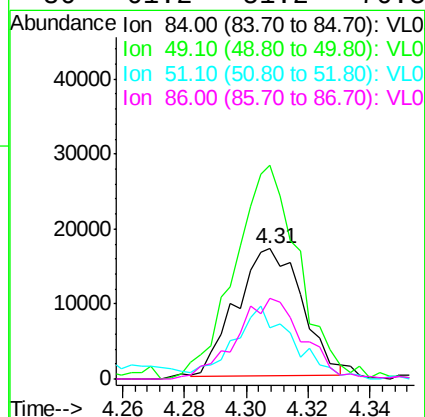
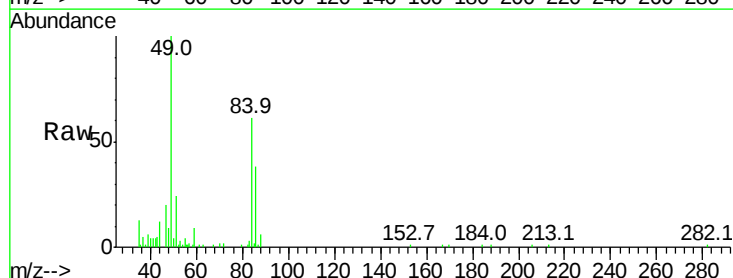
Ion Ratio Lower Upper

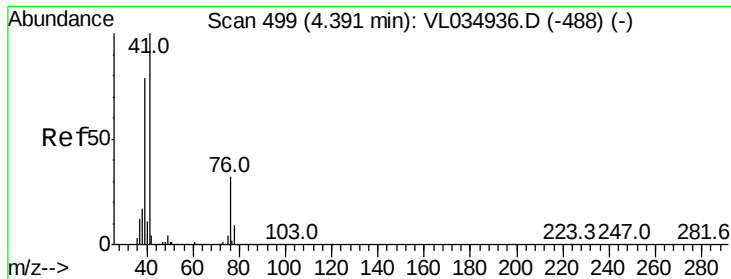
84 100

49 157.7 132.5 198.7

51 38.0 38.4 57.6#

86 61.2 51.2 76.8

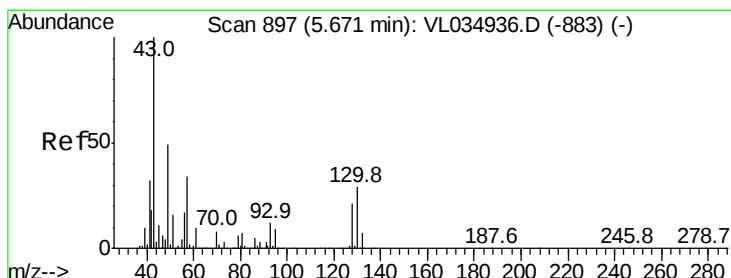
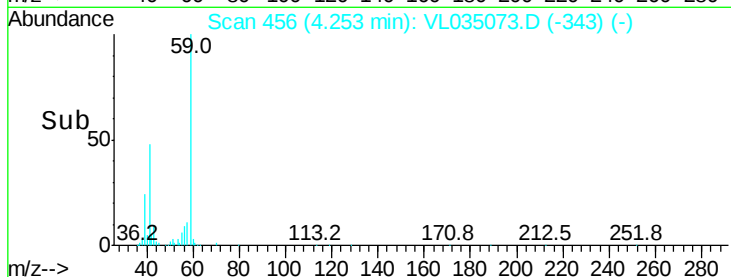
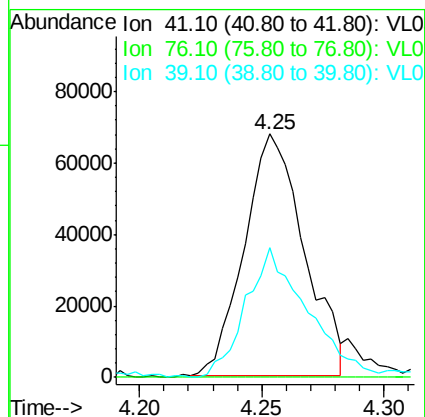
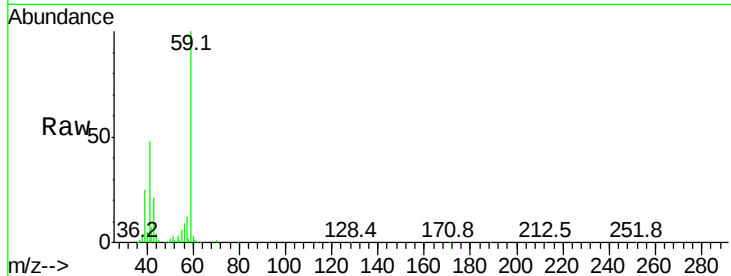




#21
 Allyl Chloride
 Concen: 1.329 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.14 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

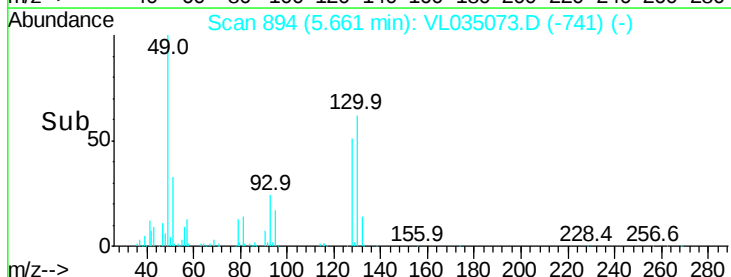
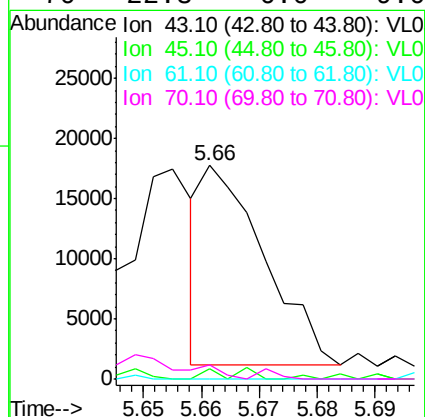
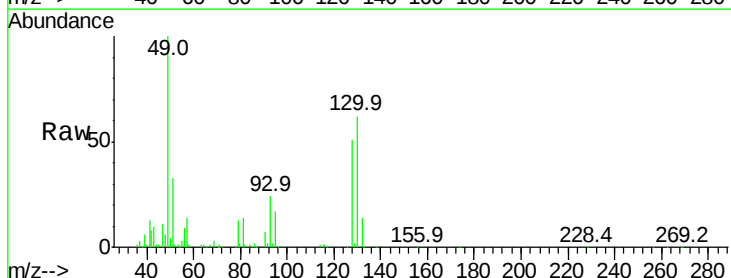
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

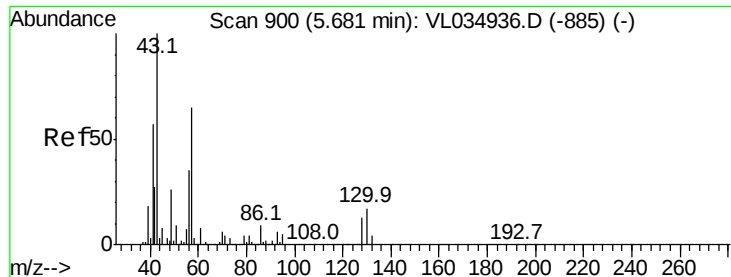
Tgt Ion: 41 Resp: 114918
 Ion Ratio Lower Upper
 41 100
 76 0.1 23.6 35.4#
 39 57.0 61.9 92.9#



#25
 Ethyl Acetate
 Concen: 0.048 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

Tgt Ion: 43 Resp: 12344
 Ion Ratio Lower Upper
 43 100
 45 10.0 8.1 12.1
 61 3.4 7.8 11.8#
 70 22.3 6.0 9.0#

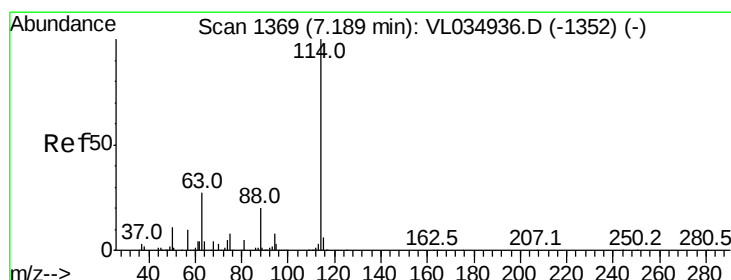
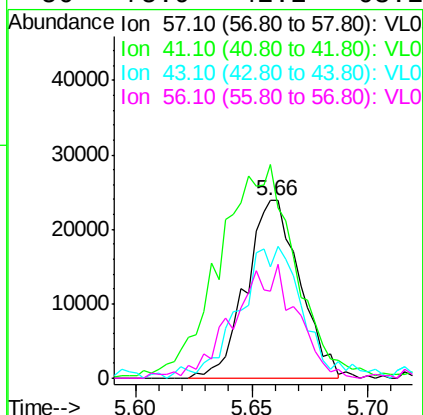
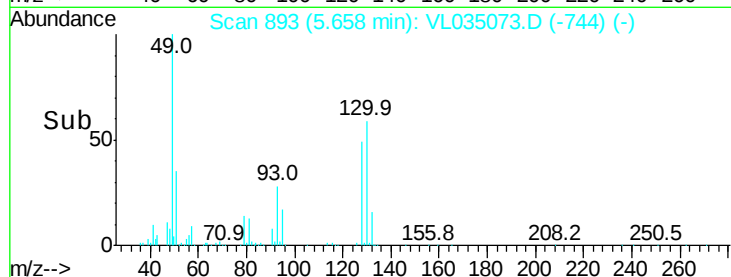
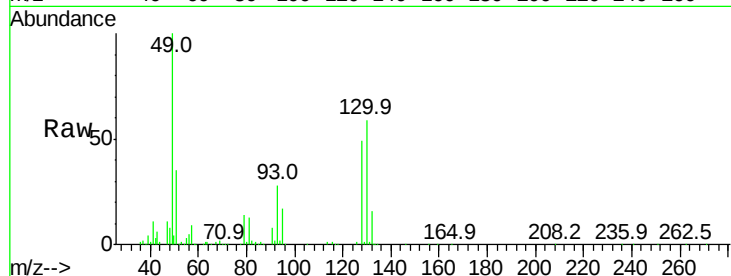




#26
Hexane
Concen: 0.345 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 57 Resp: 38428
Ion Ratio Lower Upper
57 100
41 171.1 72.7 109.1#
43 88.9 182.1 273.1#
56 75.9 42.2 63.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 114 Resp: 2635556
Ion Ratio Lower Upper
114 100
63 26.8 22.2 33.4
88 19.3 15.5 23.3

