

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034995.D
 Acq On : 12 May 2020 20:20
 Operator : SY/AP
 Sample : L2567-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: May 13 01:11:22 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	5.65	49	1072939	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2561943	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2373639	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1918537	9.99	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	6878	0.045	ppbv 98
3) Chlorodifluoromethane	2.87	51	557981	4.555	ppbv # 60
4) Chloromethane	3.10	50	6302	0.090	ppbv # 74
9) Propene	3.16	41	555403	10.448	ppbv 96
10) Heptane	8.12	43	225385	1.692	ppbv # 26
11) Trichlorofluoromethane	3.91	101	3469	0.022	ppbv # 26
13) Ethanol	3.56	45	1051477	59.945	ppbv 99
15) Acetone	3.81	43	3868540	27.273	ppbv 97
16) 1,3-Butadiene	3.26	39	93408	1.530	ppbv # 8
17) tert-Butyl alcohol	4.27	59	78501	0.622	ppbv # 71
19) Isopropyl Alcohol	3.93	45	118759	1.255	ppbv # 1
20) Methylene Chloride	4.31	84	33918	0.722	ppbv # 74
21) Allyl Chloride	4.34	41	115929	1.447	ppbv # 57
23) Vinyl Acetate	5.03	43	288308	1.603	ppbv # 1
25) Ethyl Acetate	5.67	43	642089	2.695	ppbv # 78
26) Hexane	5.67	57	852167	8.250	ppbv # 43
30) Cyclohexane	7.12	84	223803	2.808	ppbv 90
34) 2-Butanone	5.22	43	11354	0.071	ppbv # 46
36) Benzene	6.88	78	459919	2.177	ppbv 95
37) 1,2-Dichloroethane	6.29	62	2958	0.023	ppbv # 82
38) Trichloroethene	7.83	130	2063	0.025	ppbv # 29
39) 1,2-Dichloropropane	7.17	63	670270	7.916	ppbv # 25
41) Tetrahydrofuran	6.03	42	3449	0.041	ppbv # 1
42) Bromodichloromethane	7.78	83	10012	0.057	ppbv # 23
44) 2,2,4-Trimethylpentane	7.87	57	794888	2.117	ppbv # 82
50) 4-Methyl-2-Pentanone	8.77	43	35590	0.157	ppbv 97
51) 2-Hexanone	10.12	43	72508	0.408	ppbv # 33
53) Toluene	9.81	91	4353968	19.445	ppbv 99
58) Ethyl Benzene	12.72	91	325516	1.109	ppbv 98
59) m/p-Xylene	12.99	91	2103354	8.145	ppbv # 59
60) o-Xylene	13.71	91	801892	3.147	ppbv 99
61) Styrene	13.55	104	10027	0.062	ppbv # 24
62) Isopropylbenzene	14.69	105	28384	0.075	ppbv # 61
64) n-propylbenzene	15.58	120	18384	0.188	ppbv # 1
65) tert-Butylbenzene	16.79	119	45297	0.137	ppbv # 17
70) n-Butylbenzene	18.57	91	15448	0.038	ppbv # 32
71) 2-Chlorotoluene	15.59	91	217731	0.758	ppbv # 45
72) 4-Ethyltoluene	15.86	105	223123	0.785	ppbv 98
73) 1,3,5-Trimethylbenzene	16.01	105	101565	0.367	ppbv 96
74) 1,2,4-Trimethylbenzene	16.79	105	777771	2.575	ppbv # 73
79) Naphthalene	22.26	128	67360	0.286	ppbv 97

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: May 13 01:11:22 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

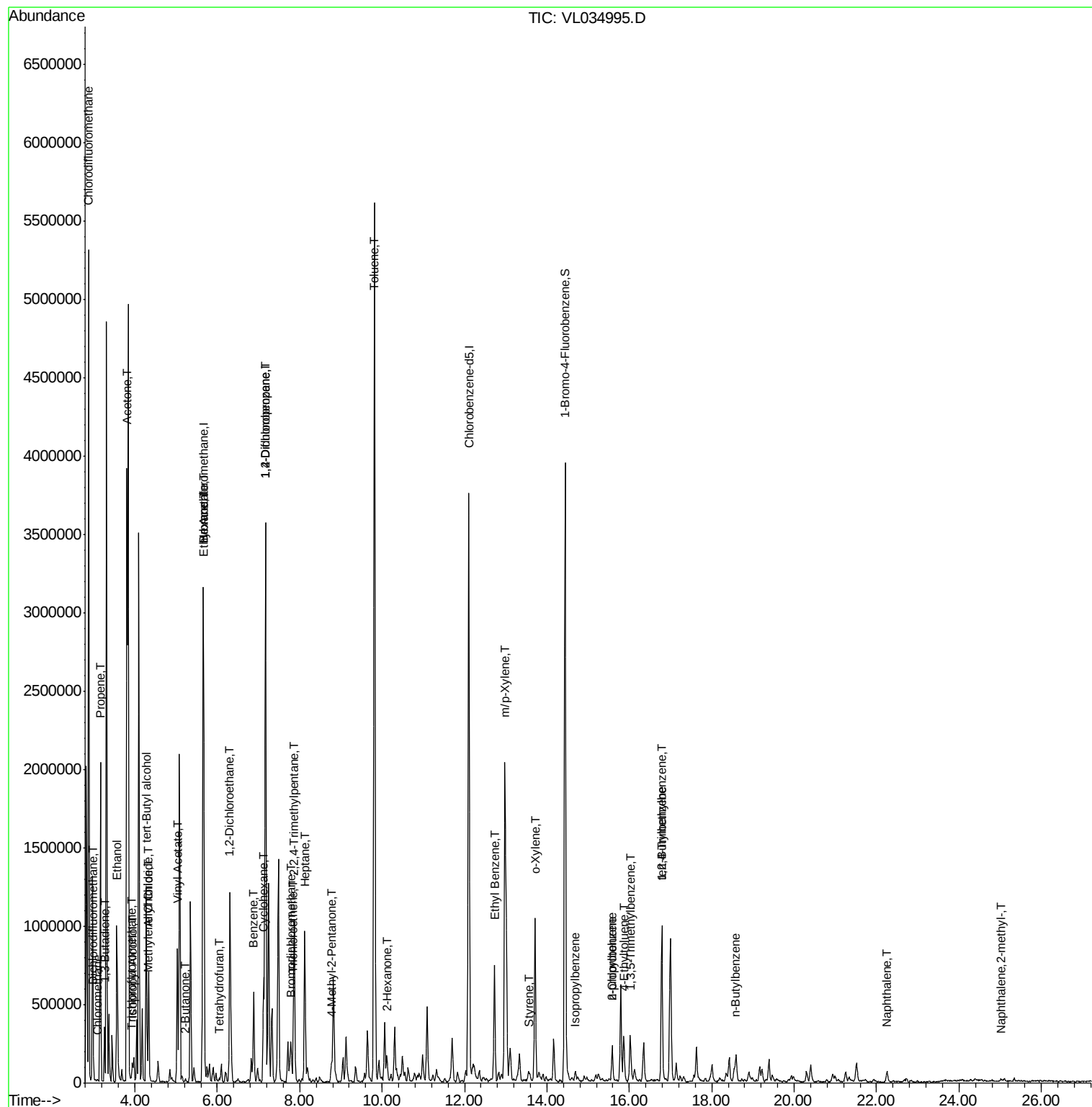
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.01	142	7055	0.122	ppbv	# 91

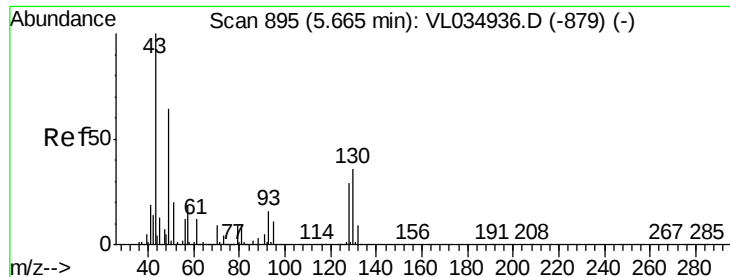
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL034995.D
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Instrument :
MSVOA_L
ClientSampled :
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Quant Time: May 13 01:11:22 2020
Quant Method : Z:\V0ASRV\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
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

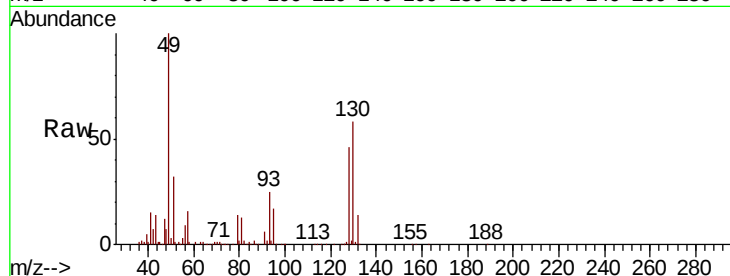
Tot Ion: 49 Resp: 1072939

Ion Ratio Lower Upper

49 100

128 44.8 22.1 66.5

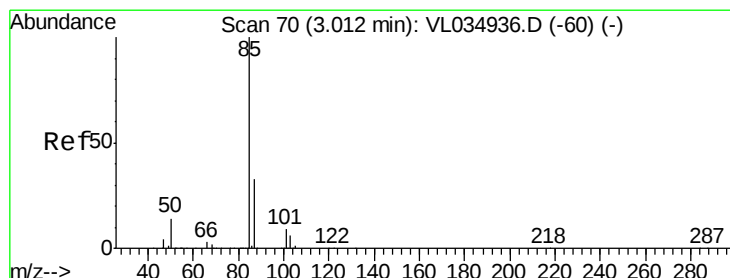
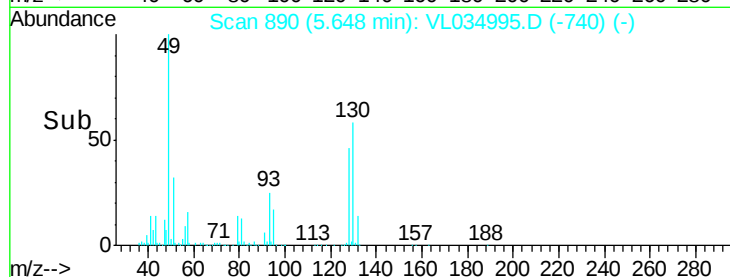
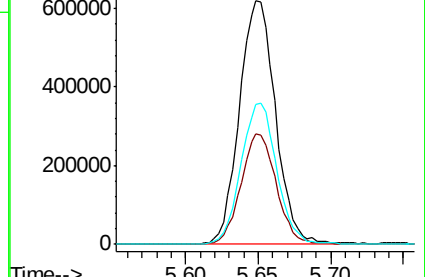
130 57.5 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 0.045 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL034995.D

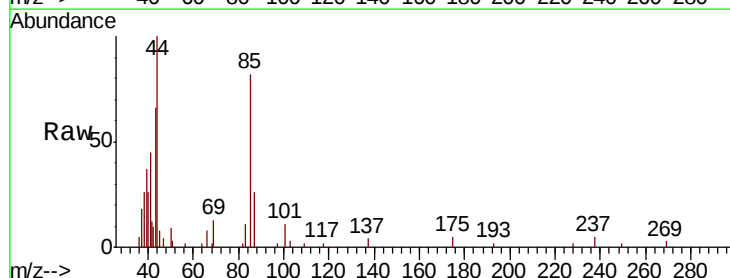
Acq: 12 May 2020 20:20

Tgt Ion: 85 Resp: 6878

Ion Ratio Lower Upper

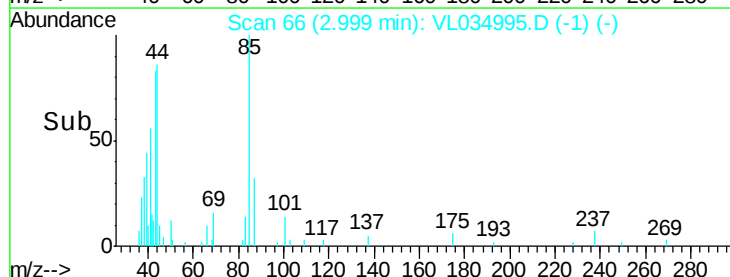
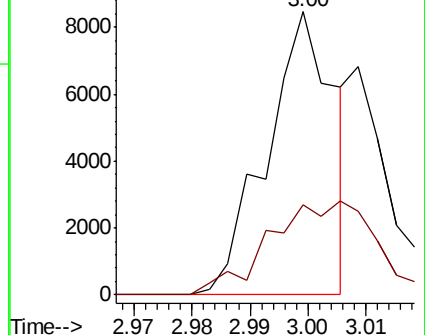
85 100

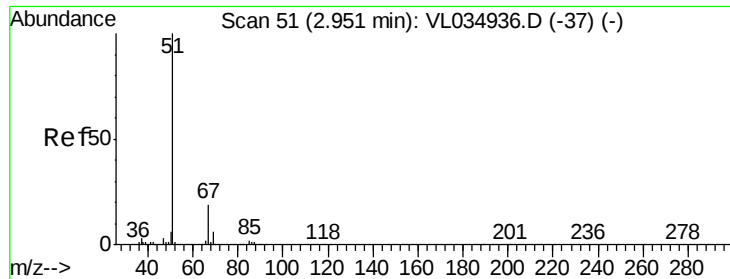
87 31.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 4.555 ppbv

RT: 2.87 min Scan# 27

Delta R.T. -0.08 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

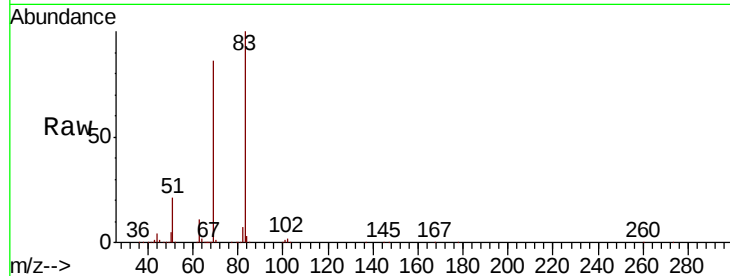
IA-1DL

Tot Ion: 51 Resp: 557981

Ion Ratio Lower Upper

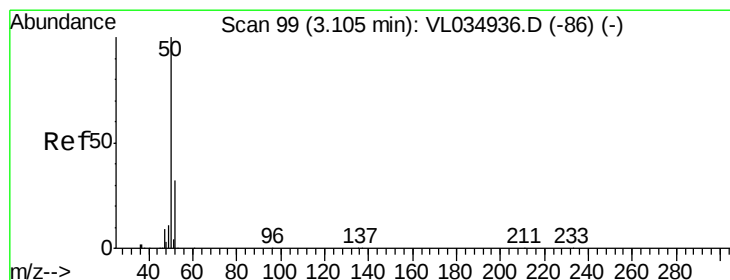
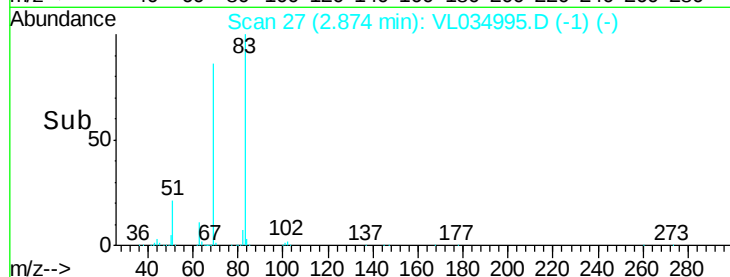
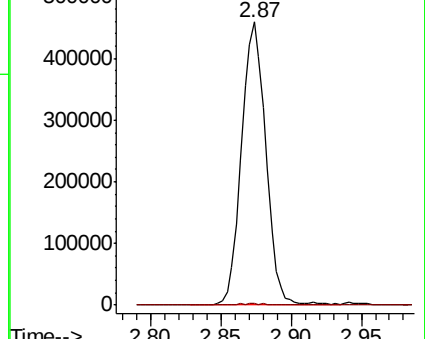
51 100

67 0.8 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.090 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL034995.D

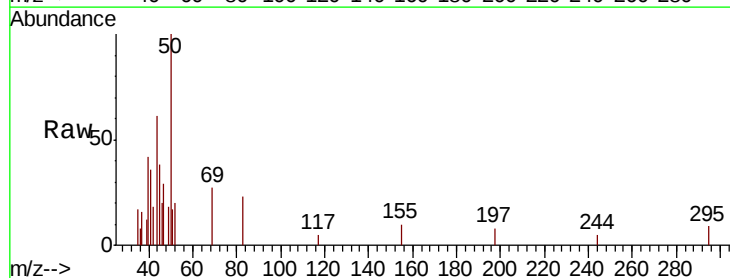
Acq: 12 May 2020 20:20

Tgt Ion: 50 Resp: 6302

Ion Ratio Lower Upper

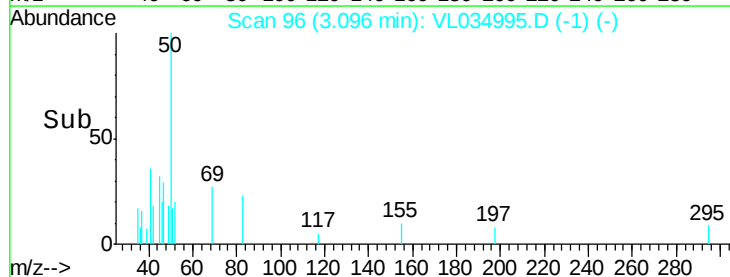
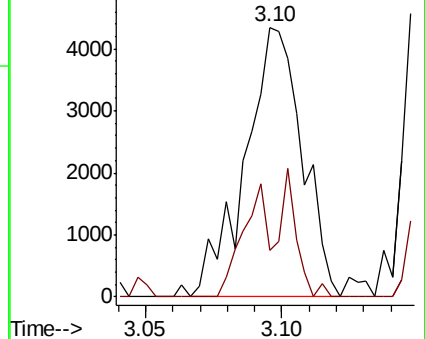
50 100

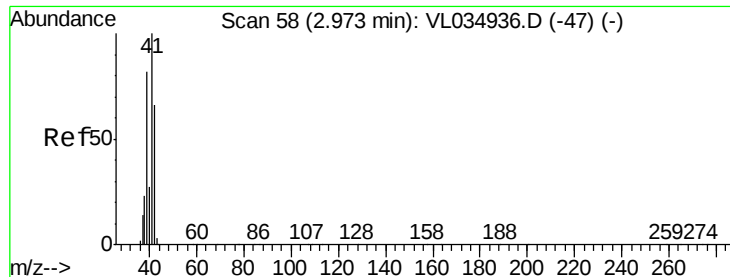
52 17.4 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 10.448 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.19 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

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ClientSampleId :

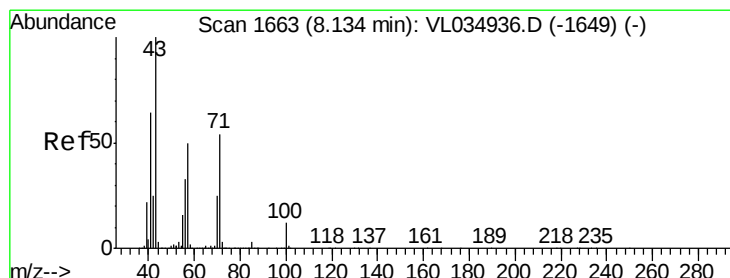
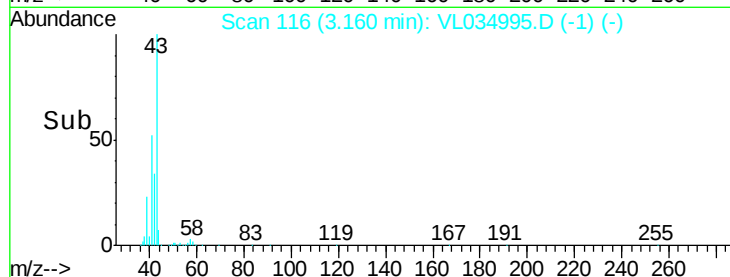
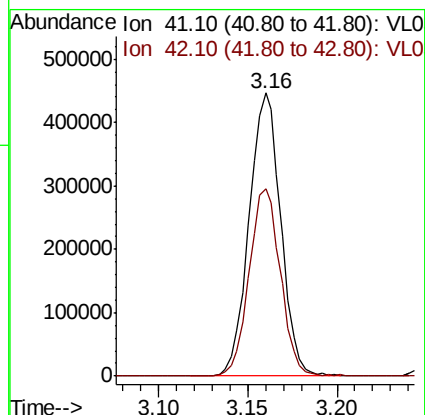
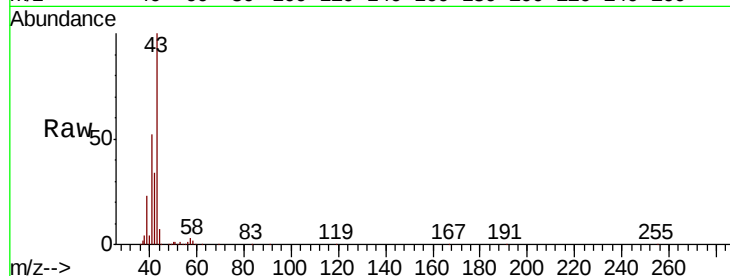
IA-1DL

Tot Ion: 41 Resp: 555403

Ion Ratio Lower Upper

41 100

42 65.1 54.5 81.7



#10

Heptane

Concen: 1.692 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL034995.D

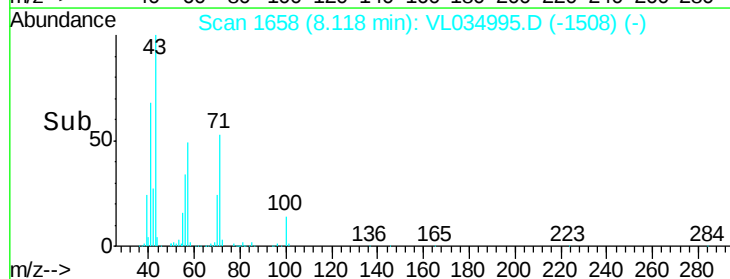
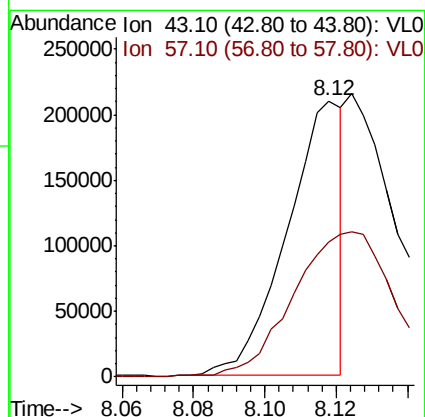
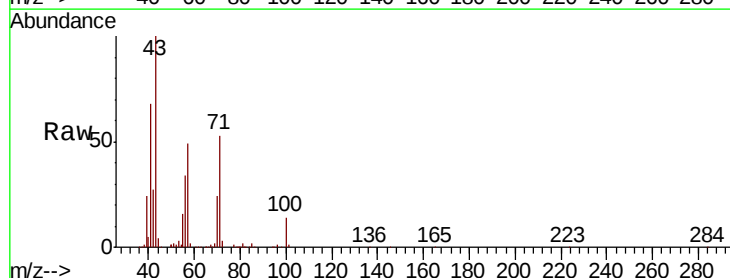
Acq: 12 May 2020 20:20

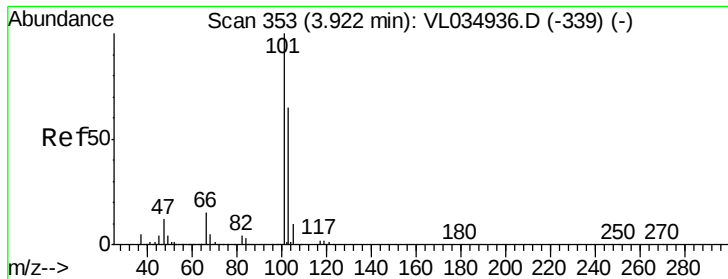
Tgt Ion: 43 Resp: 225385

Ion Ratio Lower Upper

43 100

57 0.0 41.1 61.7#





#11

Trichlorofluoromethane

Concen: 0.022 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.01 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

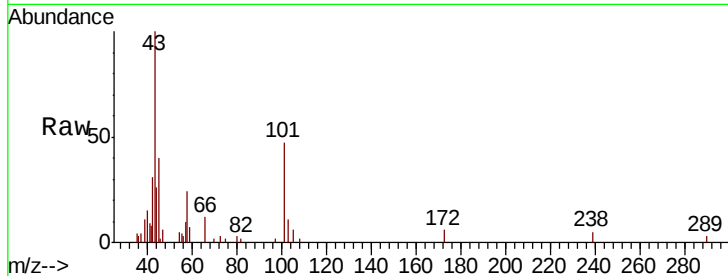
IA-1DL

Tot Ion:101 Resp: 3469

Ion Ratio Lower Upper

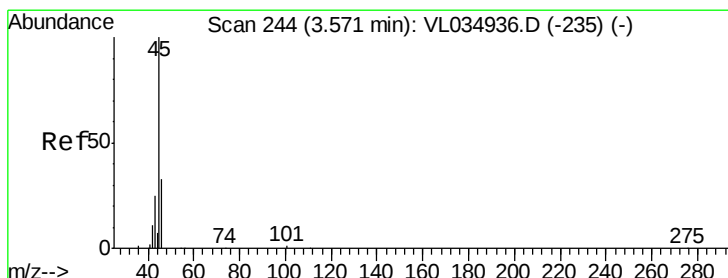
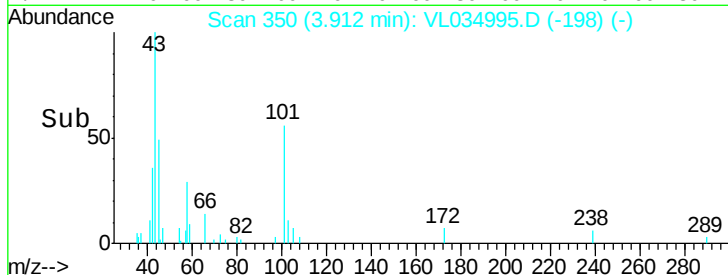
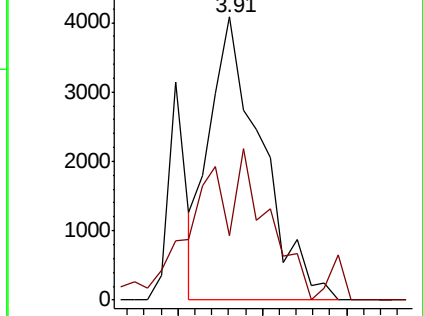
101 100

103 6.6 51.9 77.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 59.945 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL034995.D

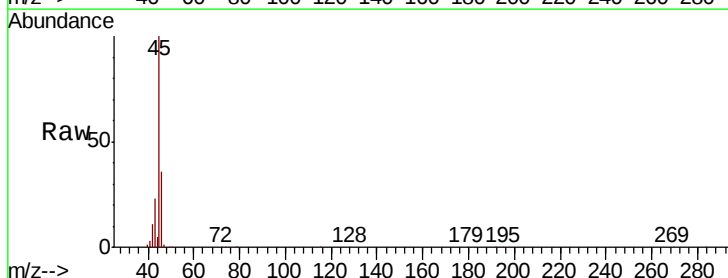
Acq: 12 May 2020 20:20

Tgt Ion: 45 Resp: 1051477

Ion Ratio Lower Upper

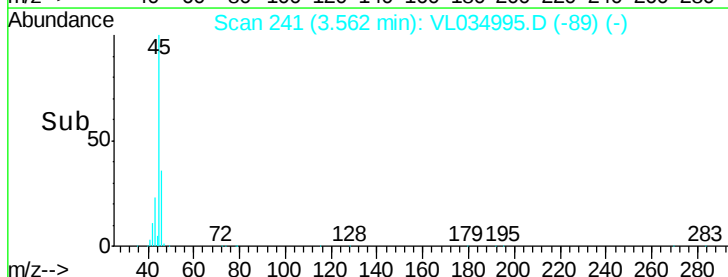
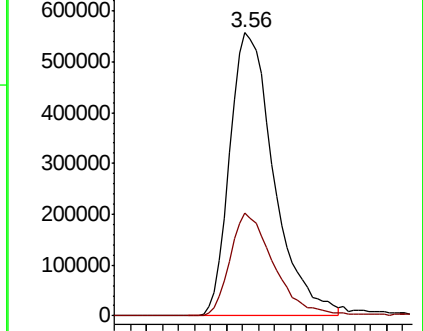
45 100

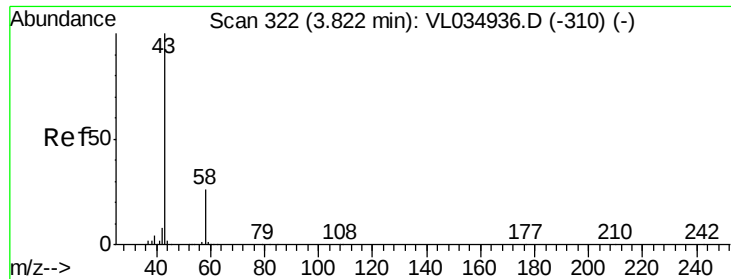
46 36.6 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 27.273 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

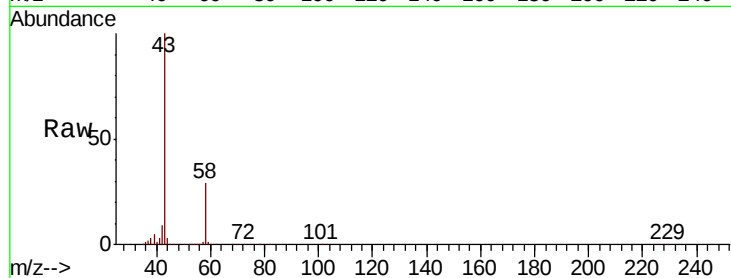
IA-1DL

Tot Ion: 43 Resp: 3868540

Ion Ratio Lower Upper

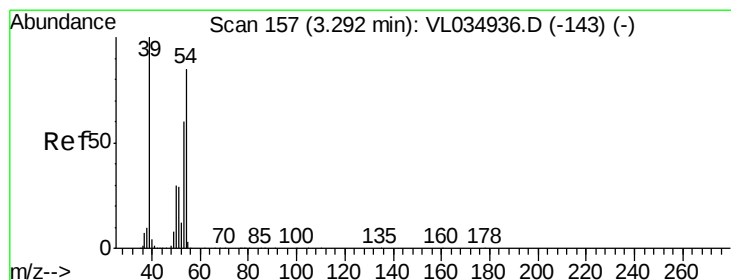
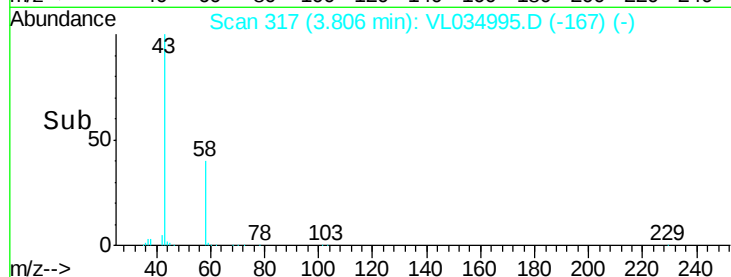
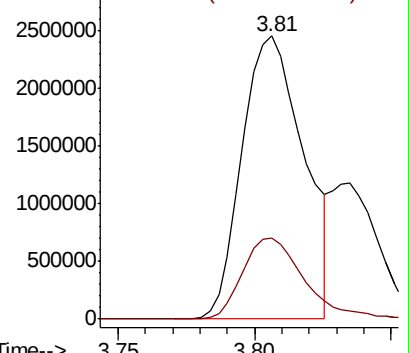
43 100

58 28.8 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.530 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.03 min

Lab File: VL034995.D

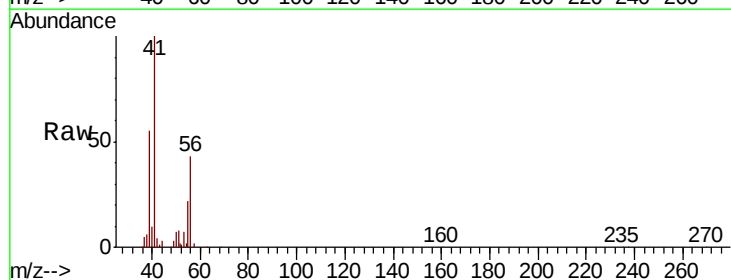
Acq: 12 May 2020 20:20

Tgt Ion: 39 Resp: 93408

Ion Ratio Lower Upper

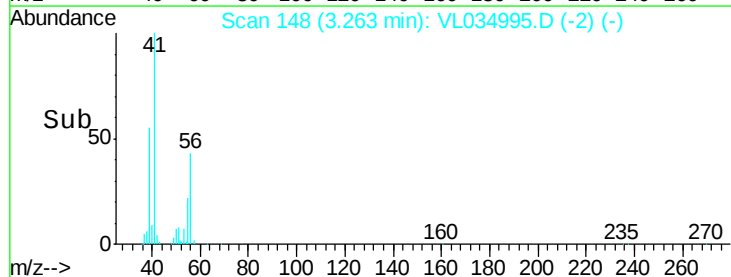
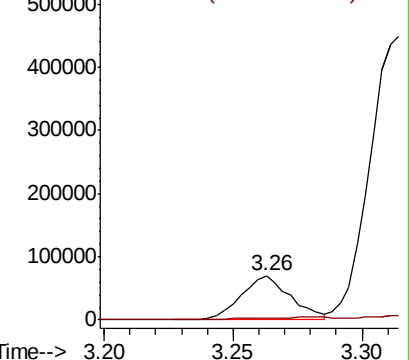
39 100

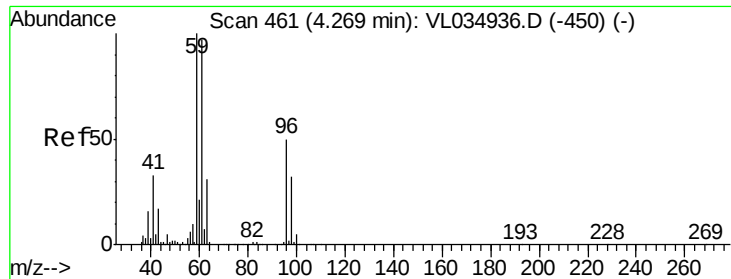
54 0.0 66.6 100.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



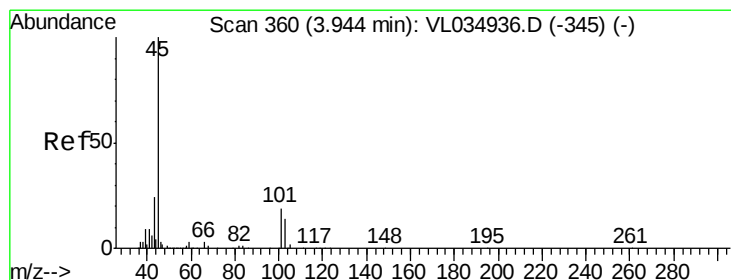
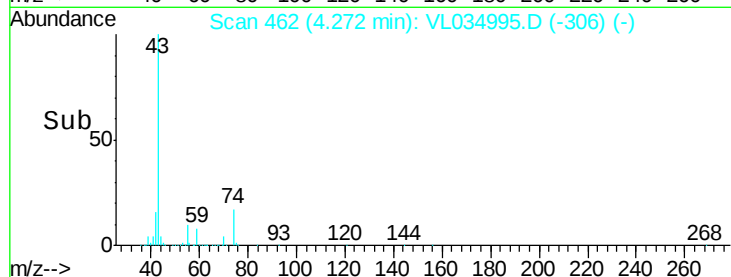
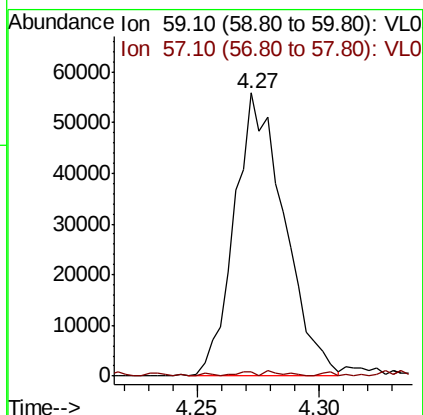
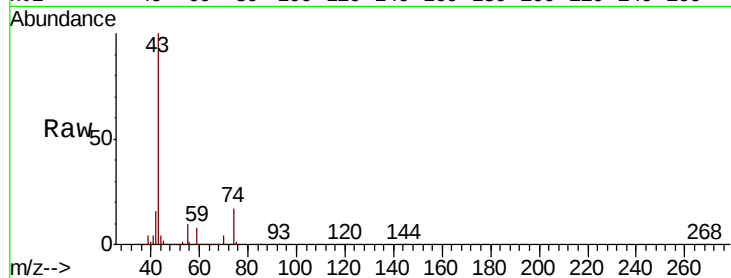


#17

tert-Butyl alcohol
 Concen: 0.622 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

Instrument :
 MSVOA_L
 ClientSampleID :
 IA-1DL

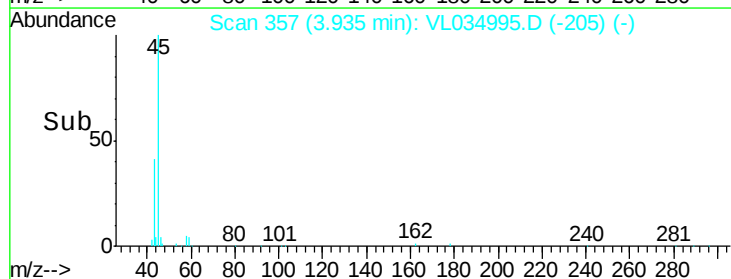
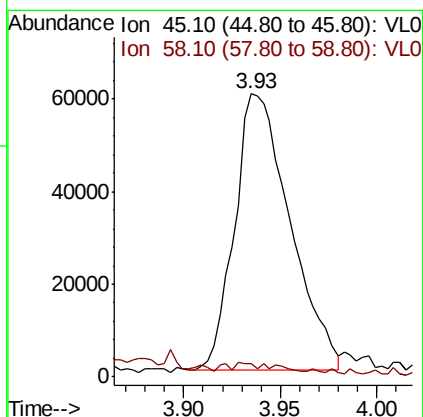
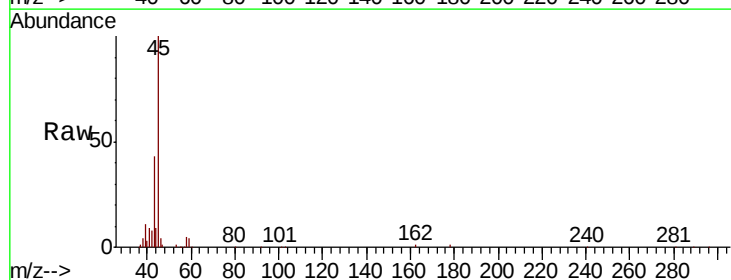
Tot Ion: 59 Resp: 78501
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

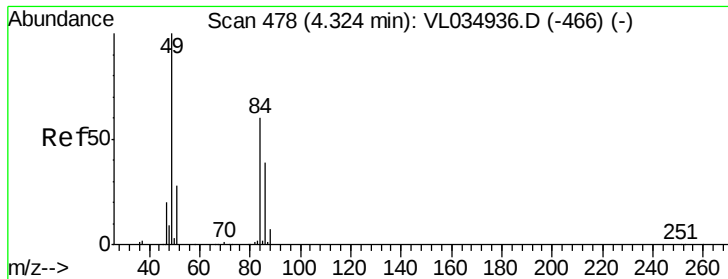


#19

Isopropyl Alcohol
 Concen: 1.255 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

Tgt Ion: 45 Resp: 118759
 Ion Ratio Lower Upper
 45 100
 58 943.2 1.7 2.5#

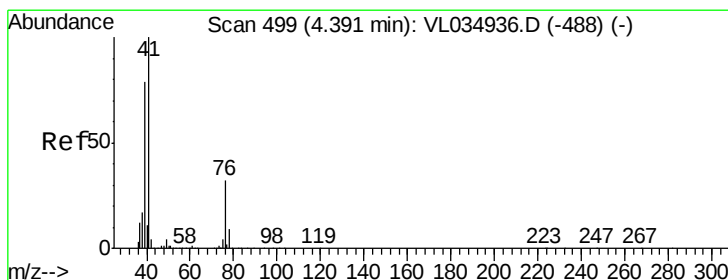
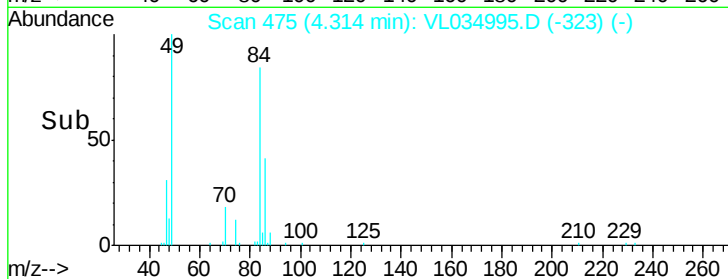
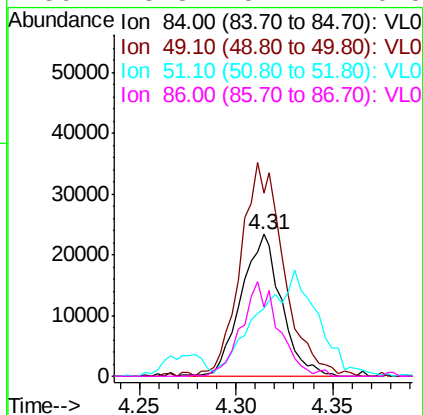
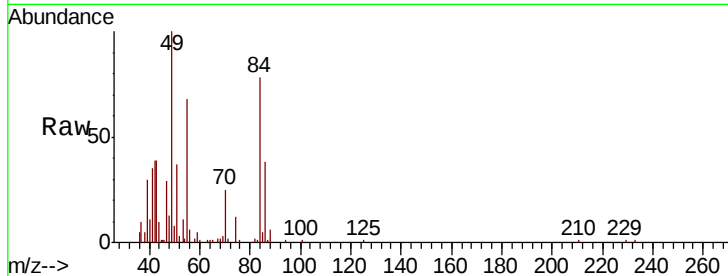




#20
Methylene Chloride
Concen: 0.722 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL034995.D
Acq: 12 May 2020 20:20

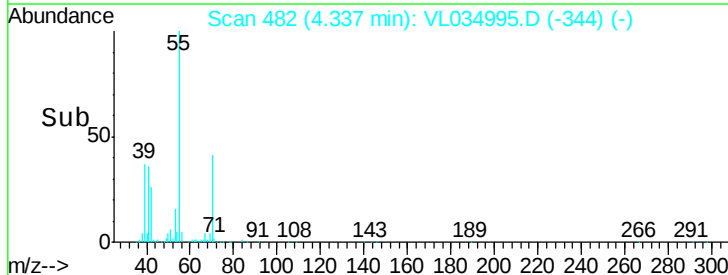
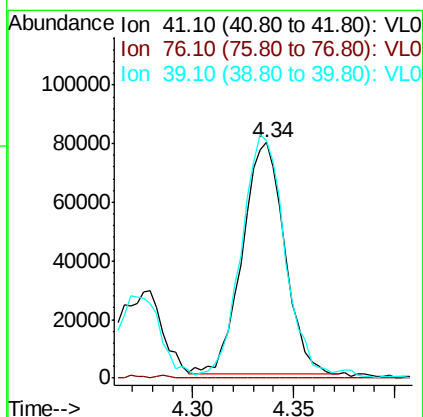
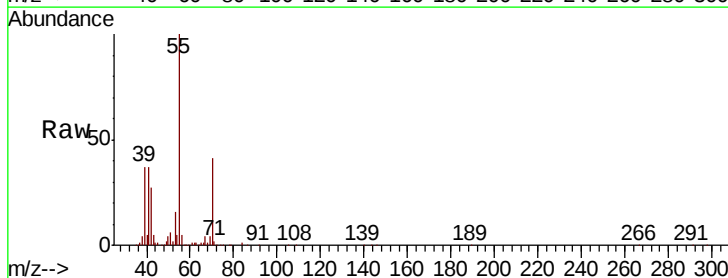
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

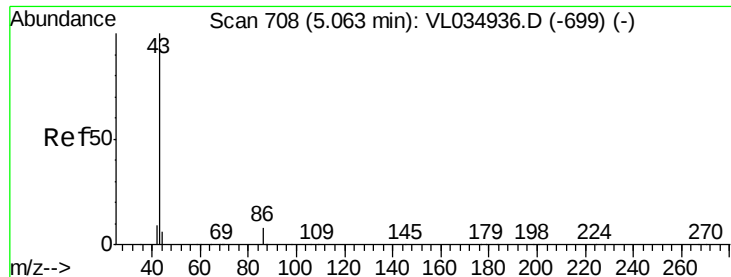
Tot Ion: 84 Resp: 33918
Ion Ratio Lower Upper
84 100
49 126.6 132.5 198.7#
51 33.3 38.4 57.6#
86 48.3 51.2 76.8#



#21
Allyl Chloride
Concen: 1.447 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.05 min
Lab File: VL034995.D
Acq: 12 May 2020 20:20

Tgt Ion: 41 Resp: 115929
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 110.3 61.9 92.9#





#23

Vinyl Acetate

Concen: 1.603 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.03 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion: 43 Resp: 288308

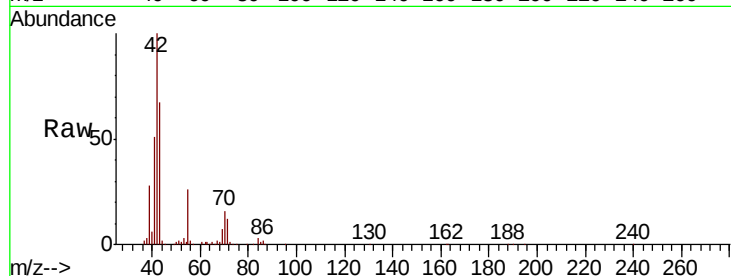
Ion Ratio Lower Upper

43 100

86 3.3 5.5 8.3#

42 150.0 8.0 12.0#

44 2.0 4.5 6.7#

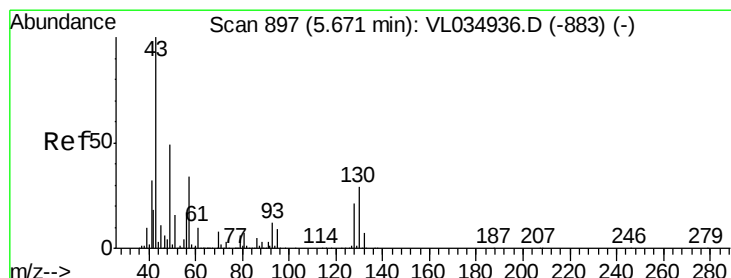
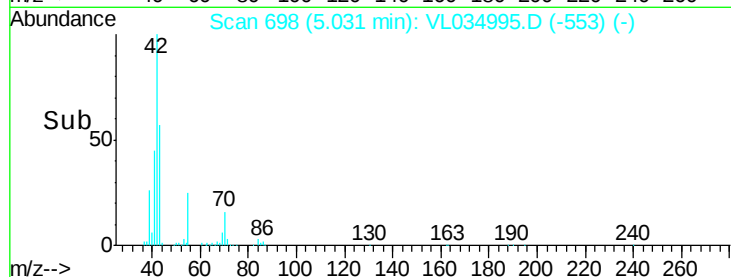
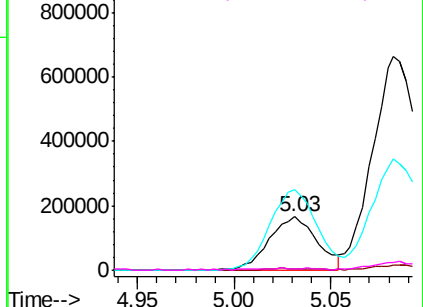


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.695 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Tgt Ion: 43 Resp: 642089

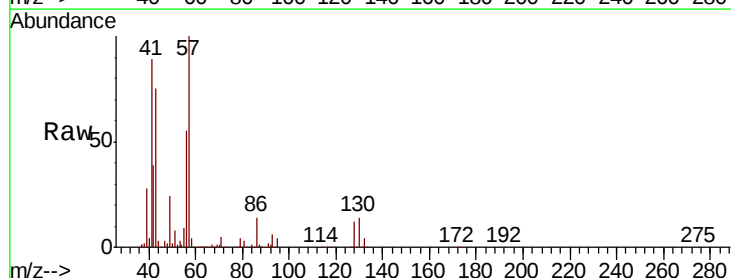
Ion Ratio Lower Upper

43 100

45 1.2 8.1 12.1#

61 1.0 7.8 11.8#

70 2.1 6.0 9.0#

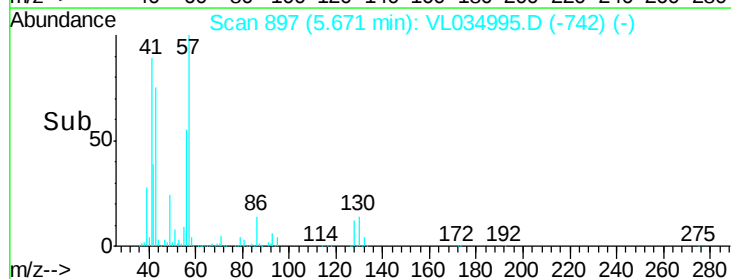
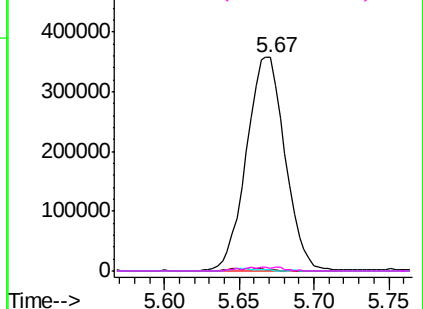


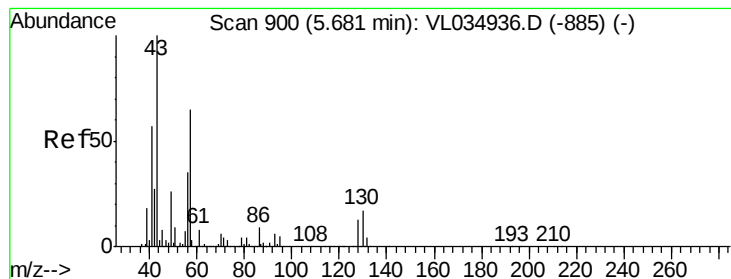
Abundance Ion 43.10 (42.80 to 43.80): VL0

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





#26

Hexane

Concen: 8.250 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

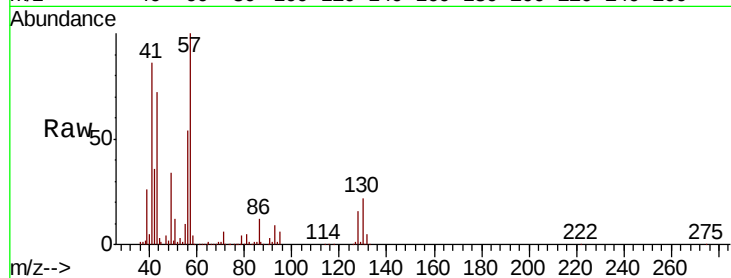
ClientSampleId :

IA-1DL

Tot Ion: 57 Resp: 852167

Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.7	109.1
43	75.8	182.1	273.1#
56	52.9	42.2	63.2

57	100		
41	90.2	72.7	109.1
43	75.8	182.1	273.1#
56	52.9	42.2	63.2

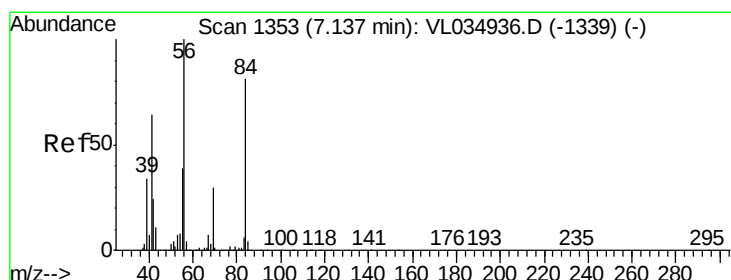
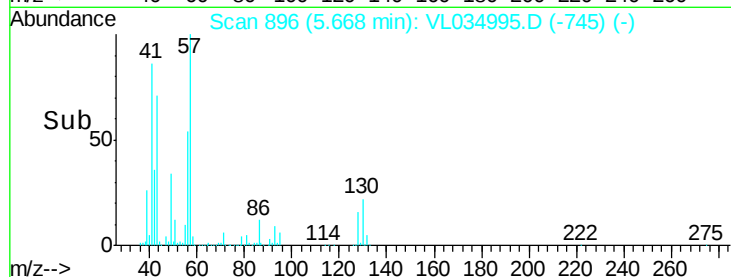
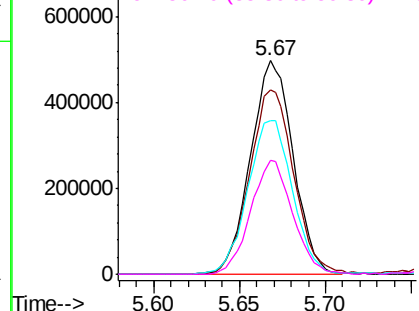


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#30

Cyclohexane

Concen: 2.808 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.02 min

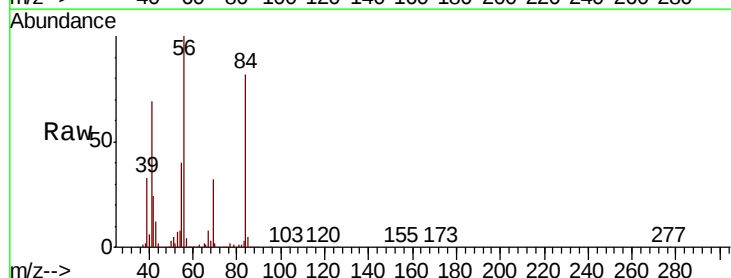
Lab File: VL034995.D

Acq: 12 May 2020 20:20

Tgt Ion: 84 Resp: 223803

Ion	Ratio	Lower	Upper
84	100		
56	158.1	111.4	167.2
41	84.8	66.7	100.1

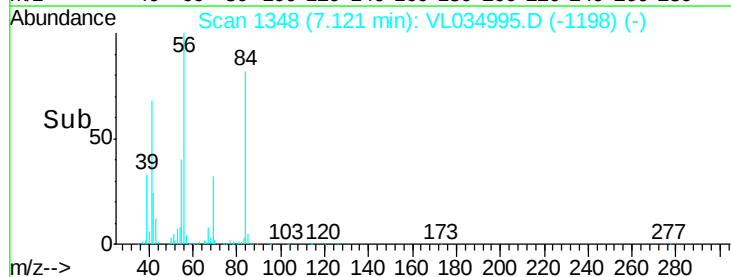
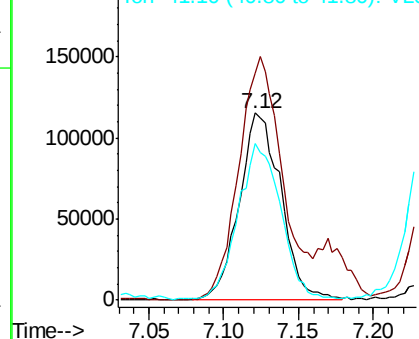
84	100		
56	158.1	111.4	167.2
41	84.8	66.7	100.1

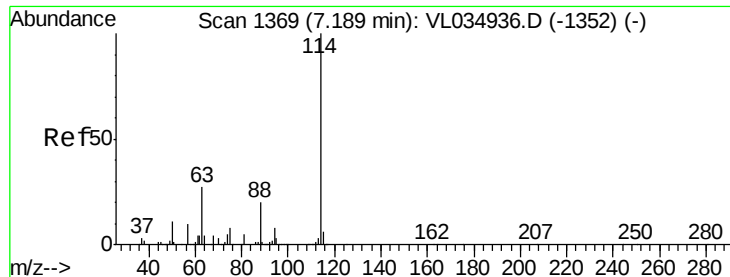


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

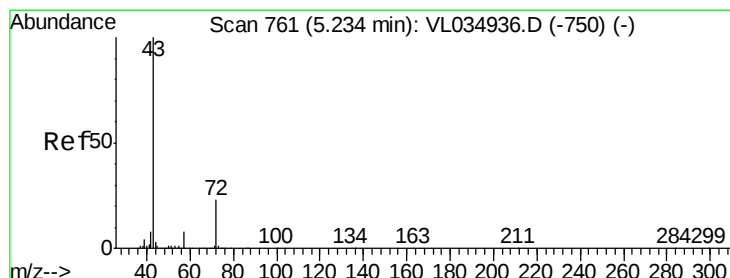
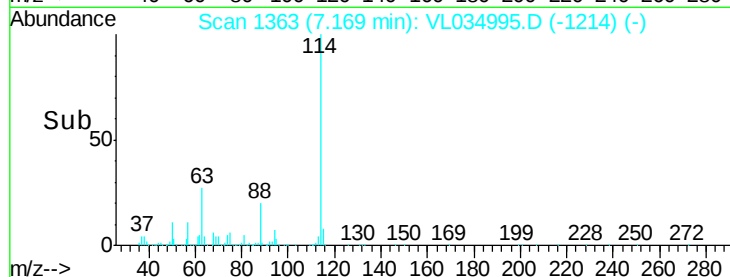
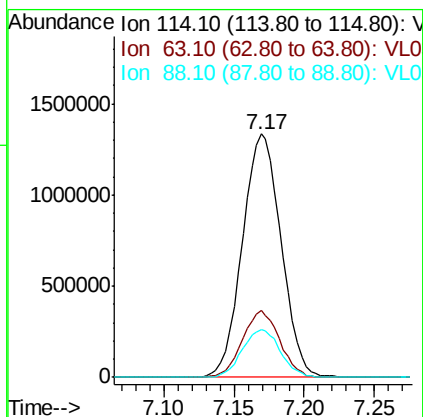
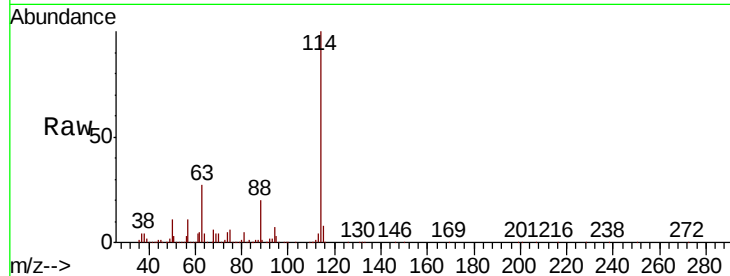




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

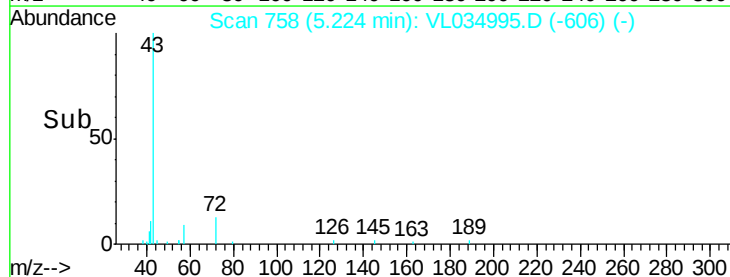
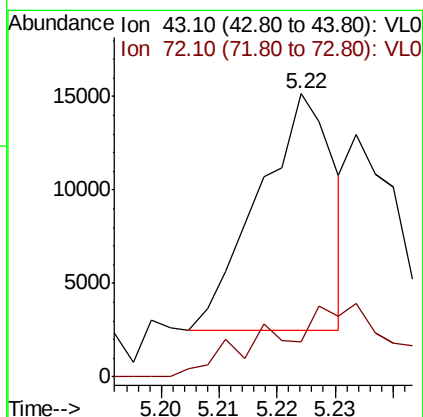
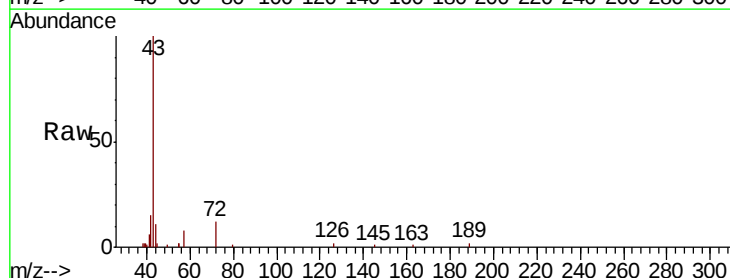
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

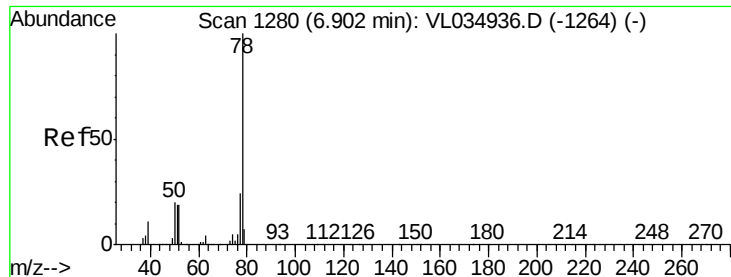
Tot Ion:114 Resp: 2561943
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.2 33.4
 88 19.5 15.5 23.3



#34
 2-Butanone
 Concen: 0.071 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

Tgt Ion: 43 Resp: 11354
 Ion Ratio Lower Upper
 43 100
 72 48.3 18.0 27.0#





#36

Benzene

Concen: 2.177 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

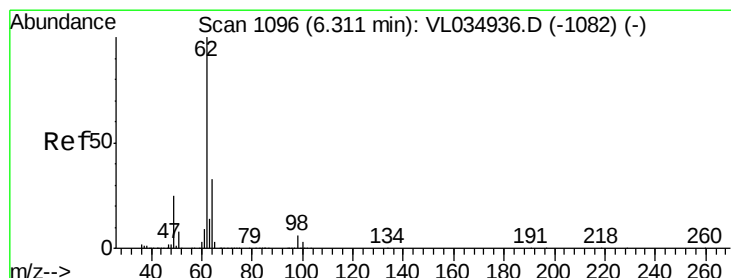
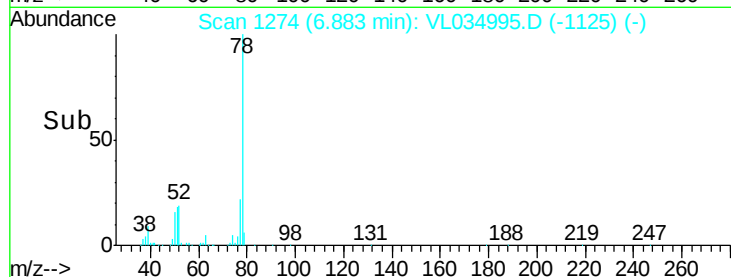
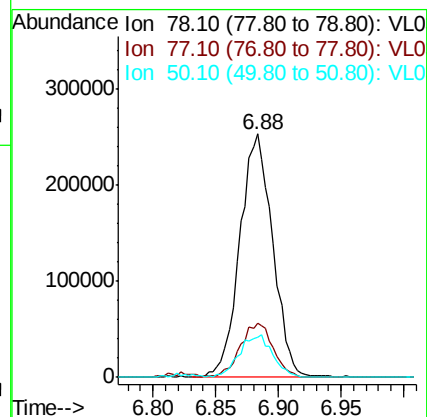
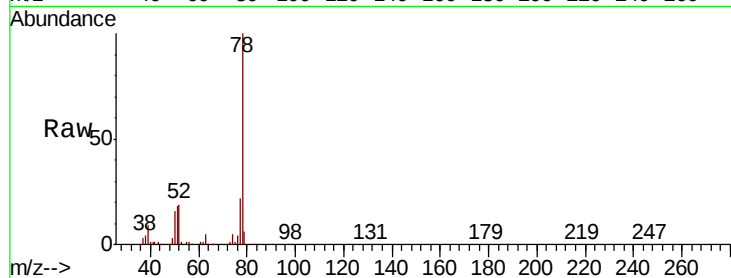
Tot Ion: 78 Resp: 459919

Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.6

50 16.1 15.8 23.8



#37

1,2-Dichloroethane

Concen: 0.023 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL034995.D

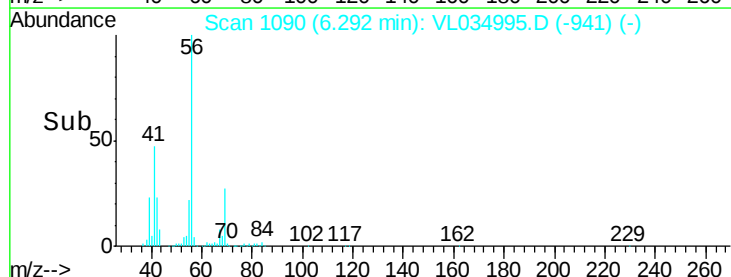
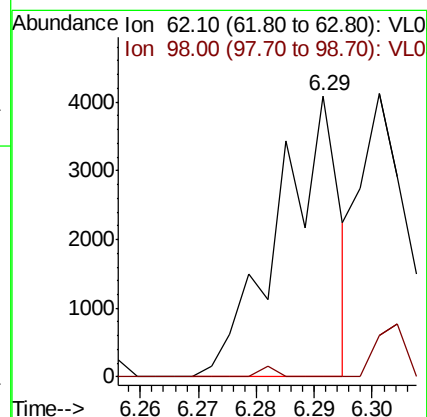
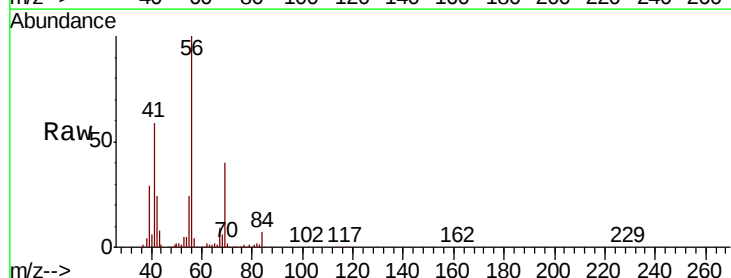
Acq: 12 May 2020 20:20

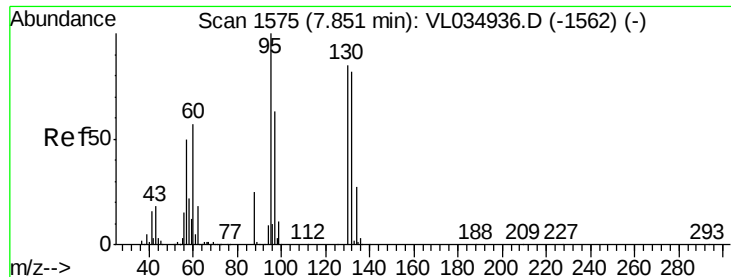
Tgt Ion: 62 Resp: 2958

Ion Ratio Lower Upper

62 100

98 0.0 4.8 7.2#





#38

Trichloroethene

Concen: 0.025 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion:130 Resp: 2063

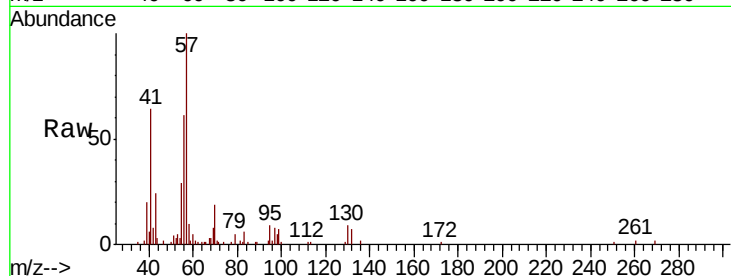
Ion Ratio Lower Upper

130 100

95 0.7 93.4 140.0#

132 16.9 76.4 114.6#

97 71.1 58.5 87.7

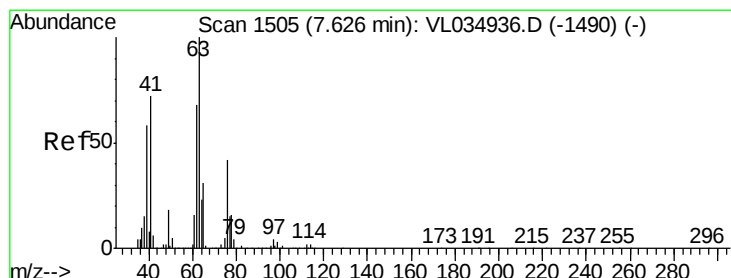
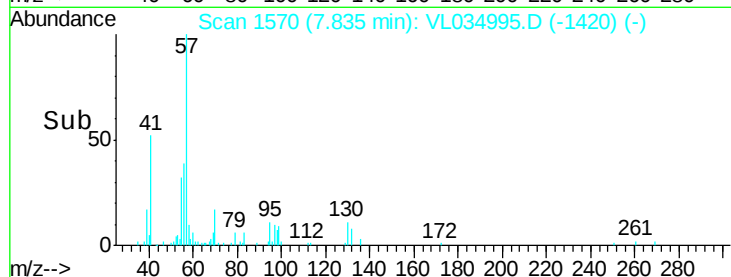
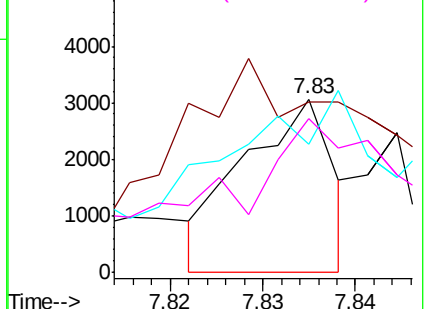


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.916 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.46 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

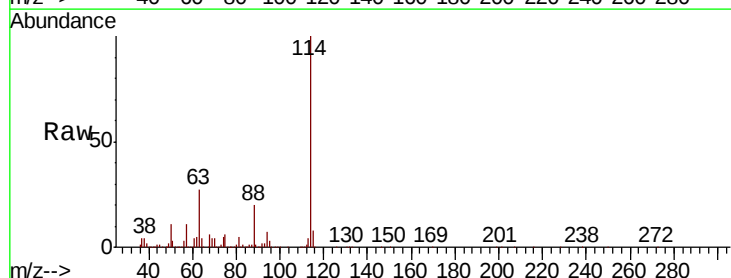
Tgt Ion: 63 Resp: 670270

Ion Ratio Lower Upper

63 100

41 0.0 57.8 86.8#

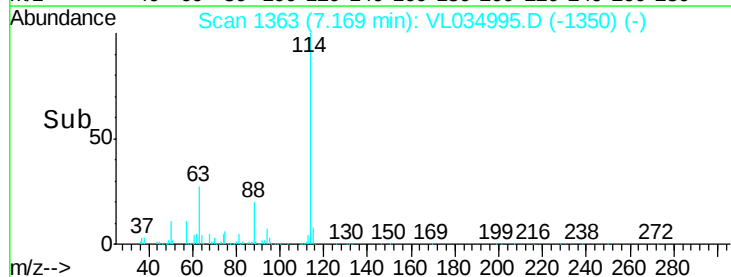
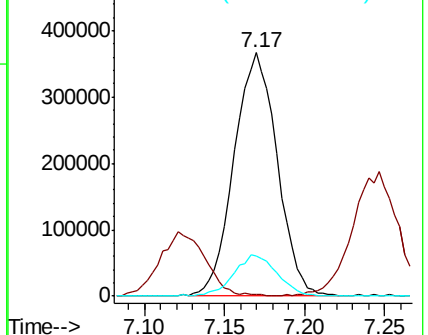
62 16.8 54.2 81.2#

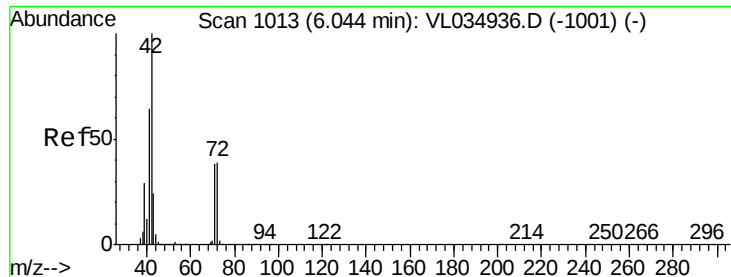


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.041 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

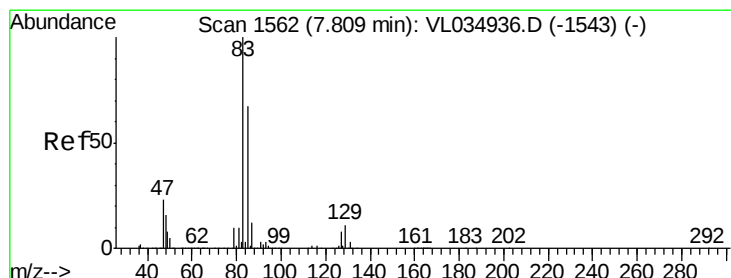
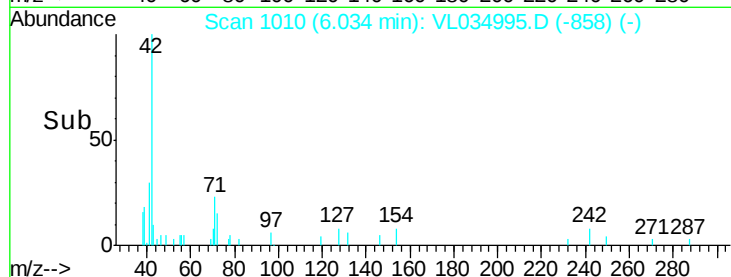
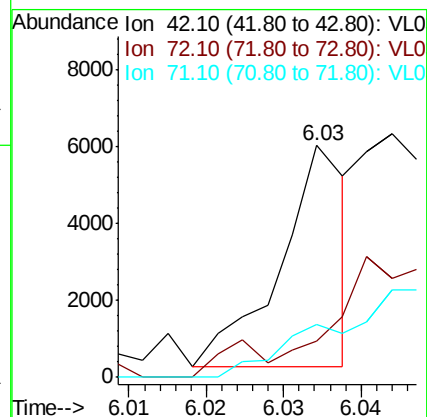
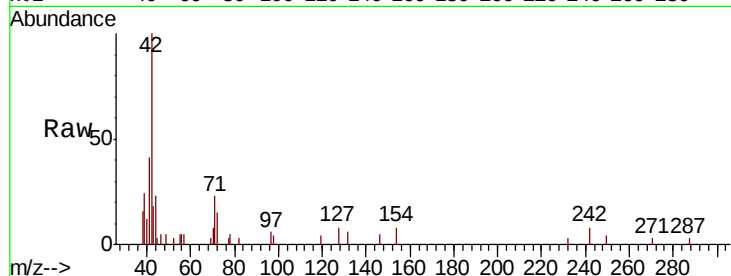
Tot Ion: 42 Resp: 3449

Ion Ratio Lower Upper

42 100

72 160.7 31.4 47.0#

71 151.8 29.8 44.8#



#42

Bromodichloromethane

Concen: 0.057 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.03 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

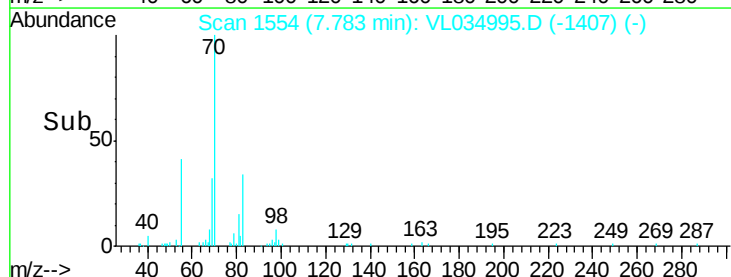
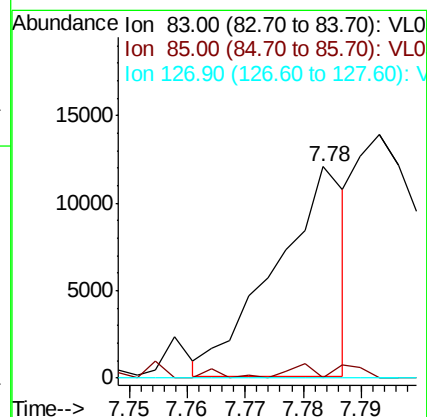
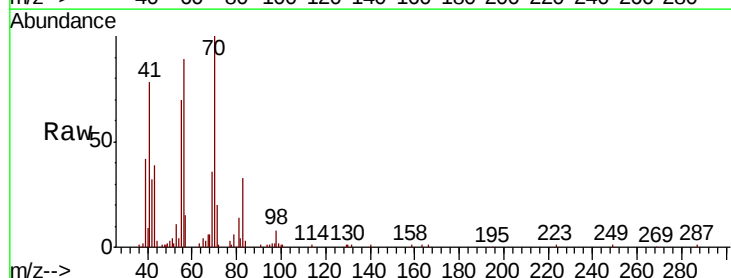
Tgt Ion: 83 Resp: 10012

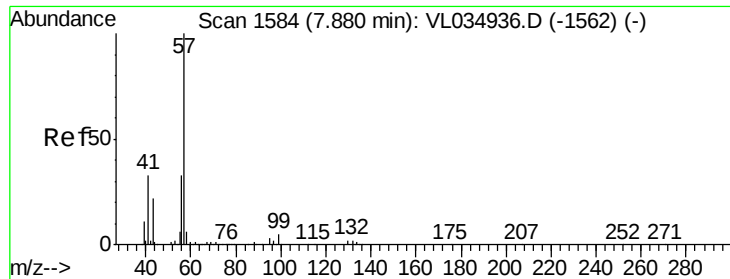
Ion Ratio Lower Upper

83 100

85 0.0 53.4 80.0#

127 0.0 6.1 9.1#

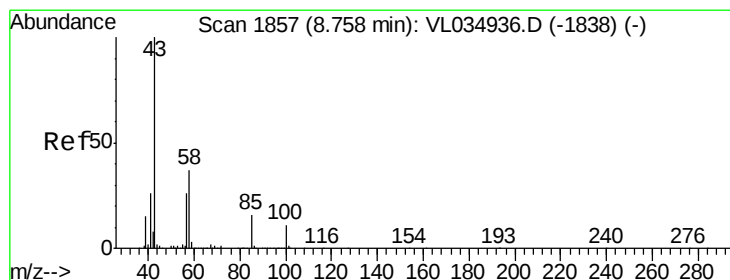
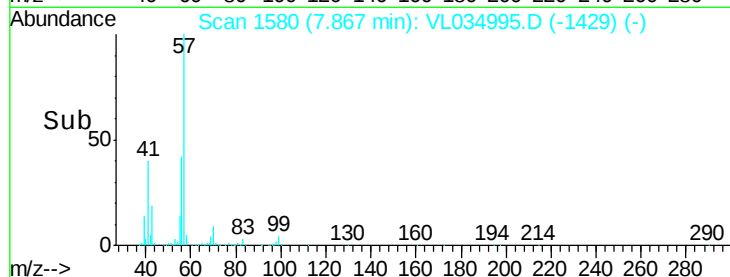
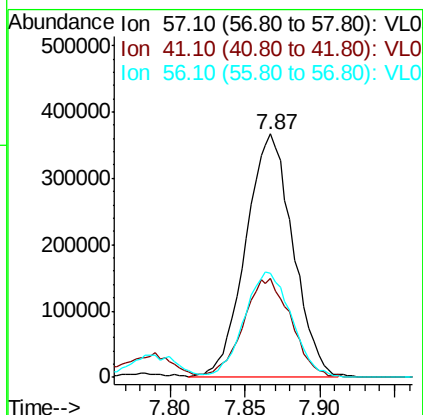
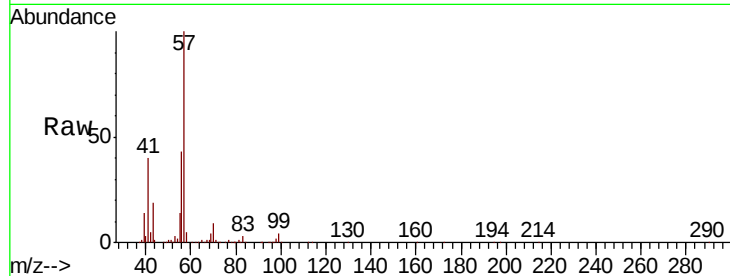




#44
 2,2,4-Trimethylpentane
 Concen: 2.117 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

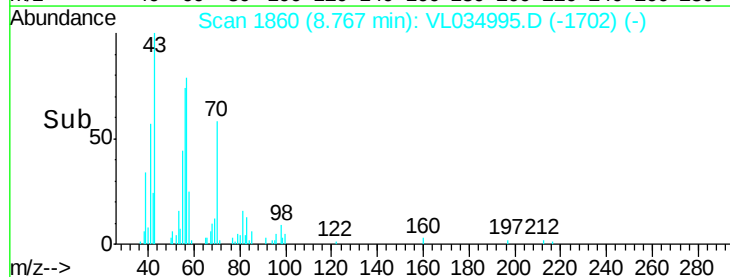
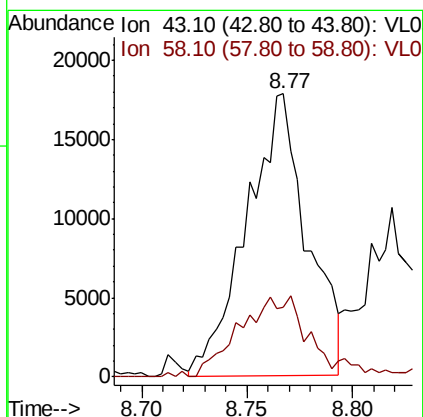
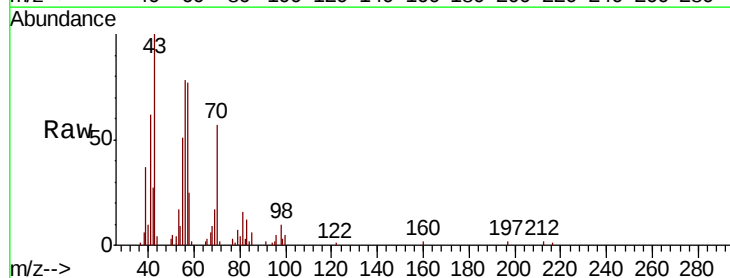
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

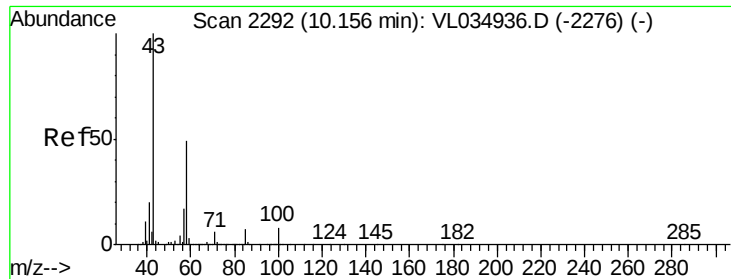
Tot Ion	57	Resp	794888
Ion	Ratio	Lower	Upper
57	100		
41	41.4	26.4	39.6#
56	44.2	25.5	38.3#



#50
 4-Methyl-2-Pentanone
 Concen: 0.157 ppbv
 RT: 8.77 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

Tgt Ion	43	Resp	35590
Ion	Ratio	Lower	Upper
43	100		
58	34.5	29.1	43.7

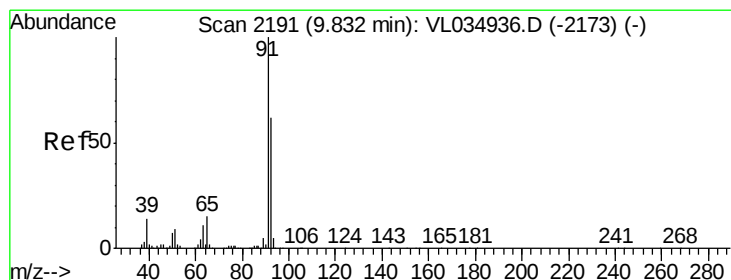
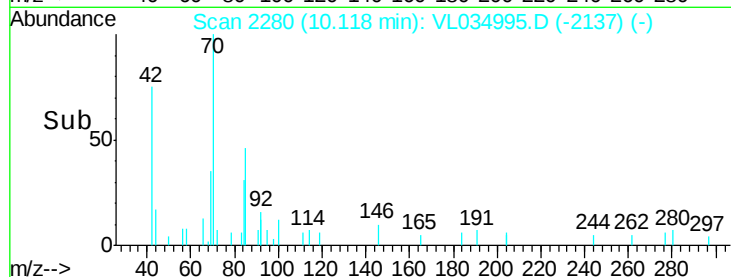
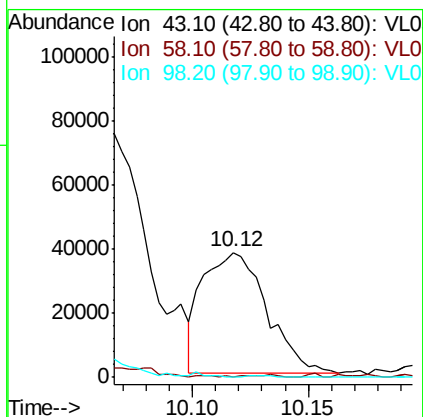
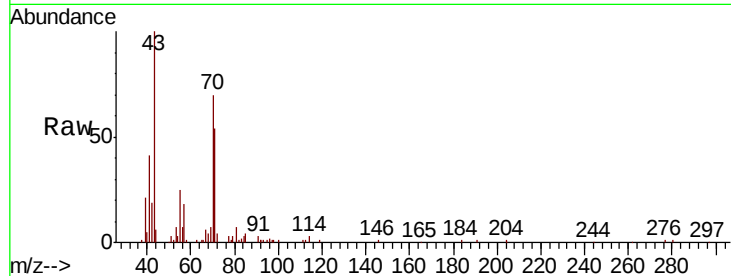




#51
2-Hexanone
Concen: 0.408 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.04 min
Lab File: VL034995.D
Acq: 12 May 2020 20:20

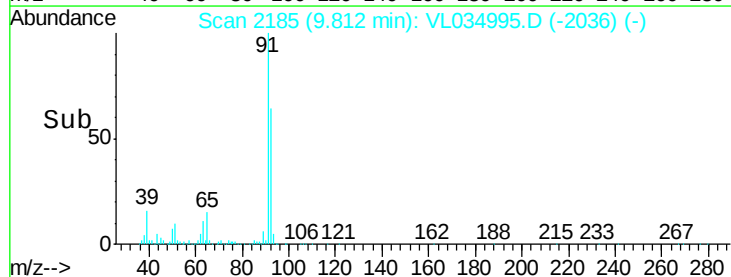
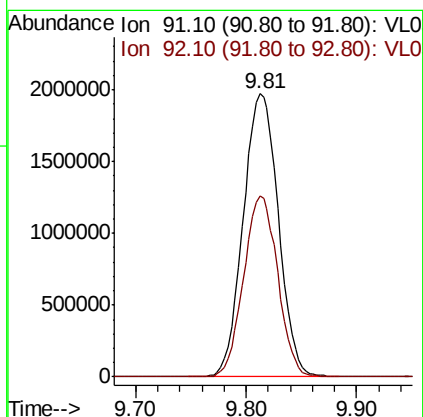
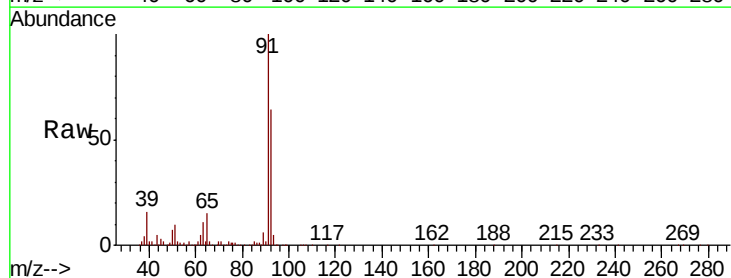
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

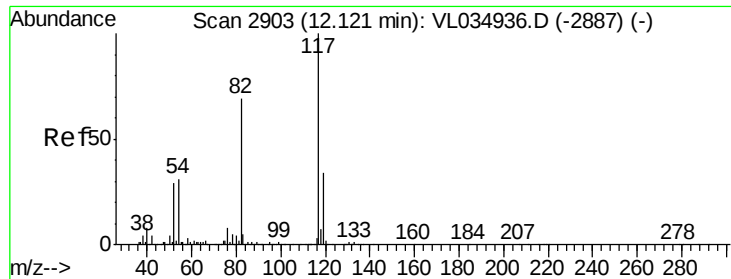
Tot Ion: 43 Resp: 72508
Ion Ratio Lower Upper
43 100
58 3.0 39.1 58.7#
98 0.0 0.3 0.5#



#53
Toluene
Concen: 19.445 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL034995.D
Acq: 12 May 2020 20:20

Tgt Ion: 91 Resp: 4353968
Ion Ratio Lower Upper
91 100
92 61.9 48.6 73.0

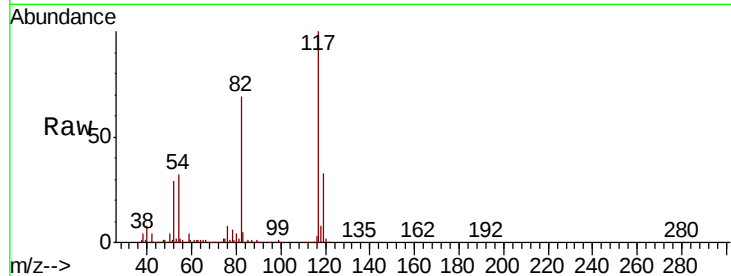




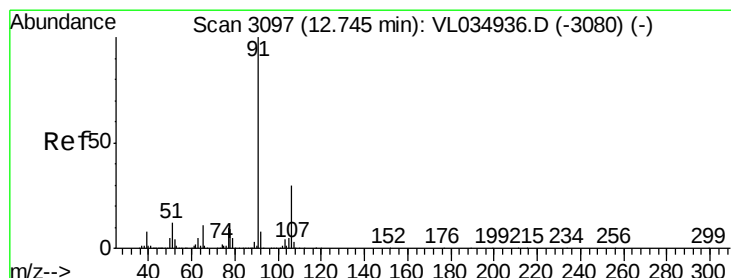
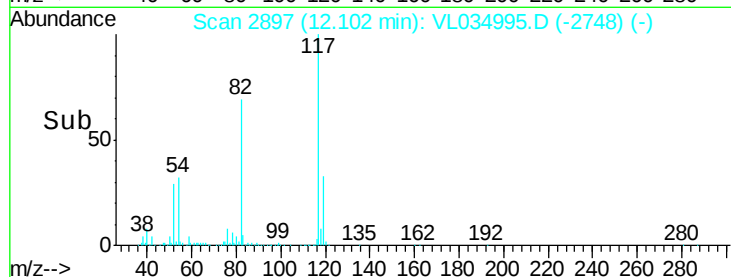
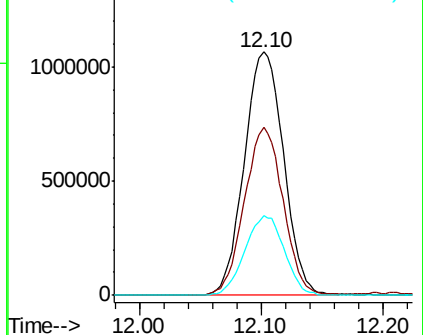
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL034995.D
Acq: 12 May 2020 20:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion:117 Resp: 2373639
Ion Ratio Lower Upper
117 100
82 67.9 53.1 79.7
119 32.8 26.7 40.1

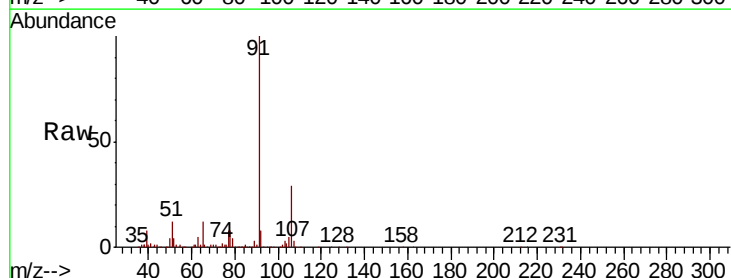


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

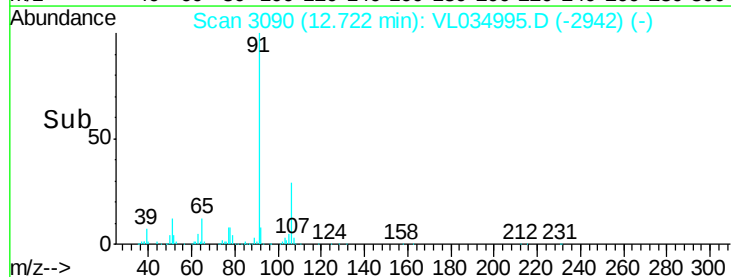
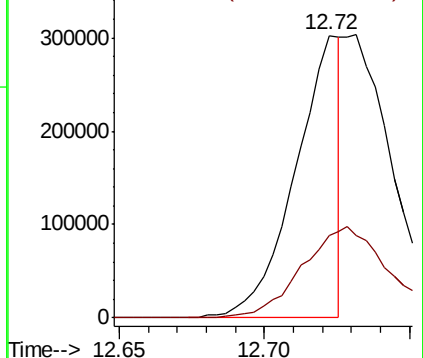


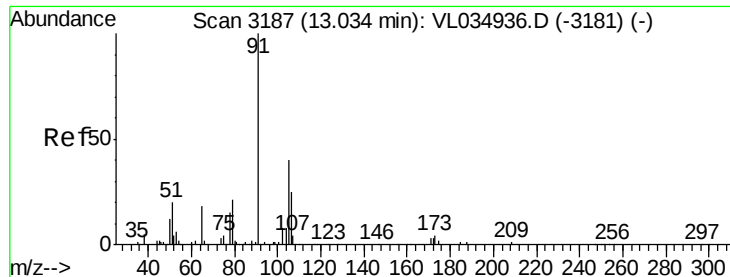
#58
Ethyl Benzene
Concen: 1.109 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL034995.D
Acq: 12 May 2020 20:20

Tgt Ion: 91 Resp: 325516
Ion Ratio Lower Upper
91 100
106 29.2 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.145 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.05 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

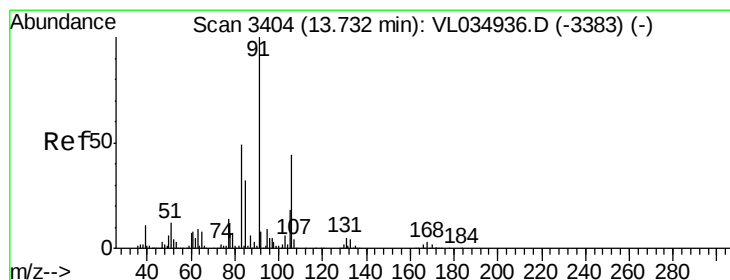
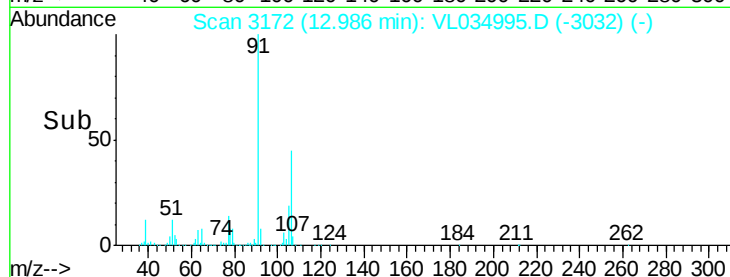
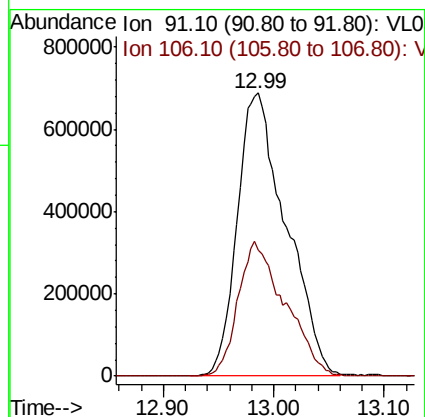
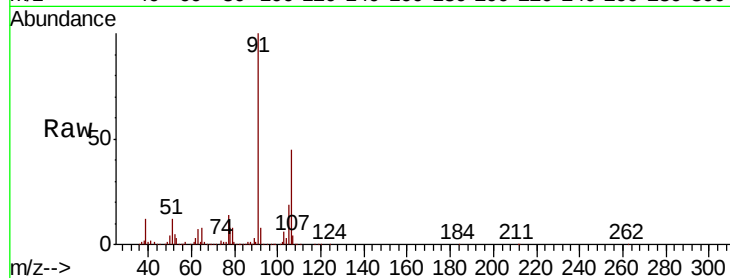
IA-1DL

Tot Ion: 91 Resp: 2103354

Ion Ratio Lower Upper

91 100

106 46.1 66.0 99.0#



#60

o-Xylene

Concen: 3.147 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.02 min

Lab File: VL034995.D

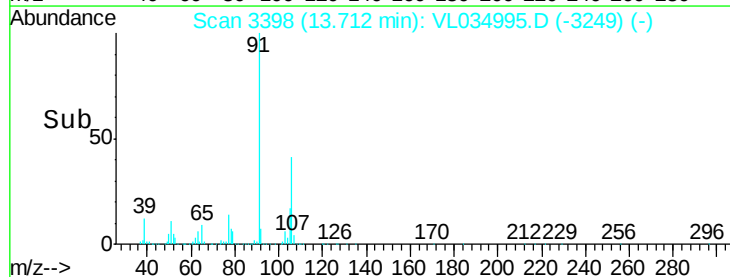
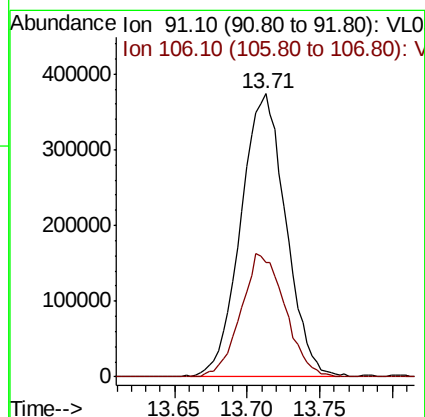
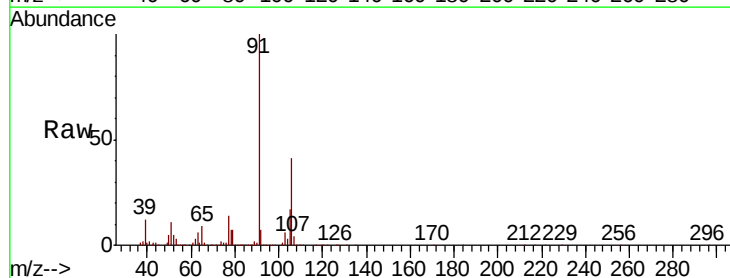
Acq: 12 May 2020 20:20

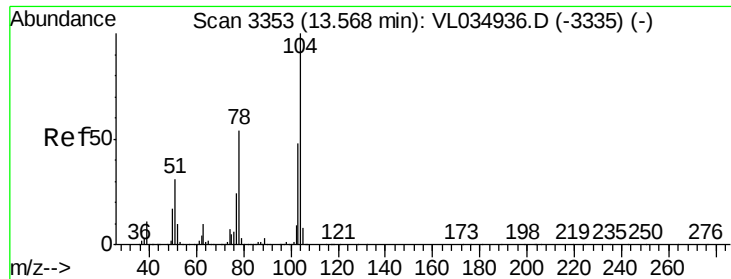
Tgt Ion: 91 Resp: 801892

Ion Ratio Lower Upper

91 100

106 43.3 21.9 65.5





#61

Stvrene

Concen: 0.062 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

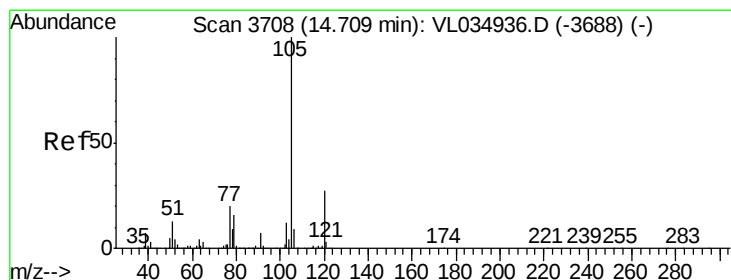
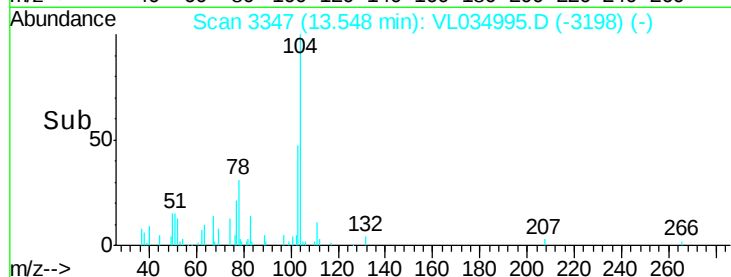
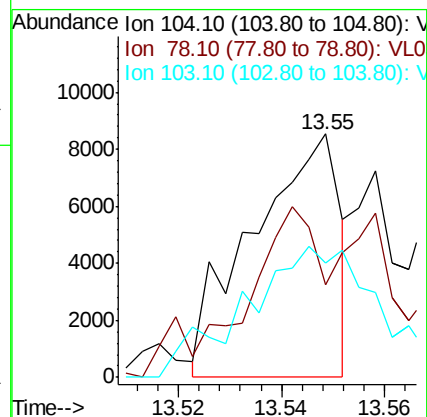
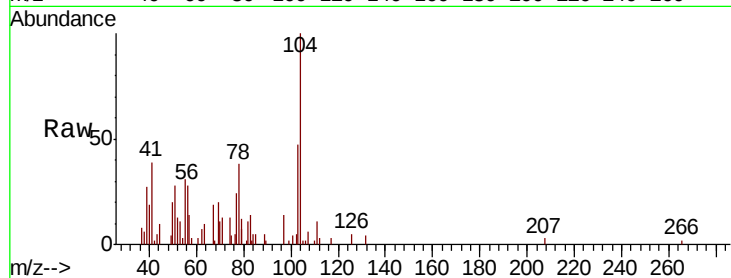
Tot Ion:104 Resp: 10027

Ion Ratio Lower Upper

104 100

78 117.5 43.7 65.5#

103 91.4 38.8 58.2#



#62

Isopropylbenzene

Concen: 0.075 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.02 min

Lab File: VL034995.D

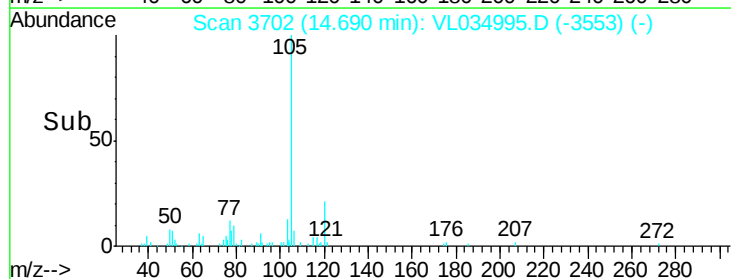
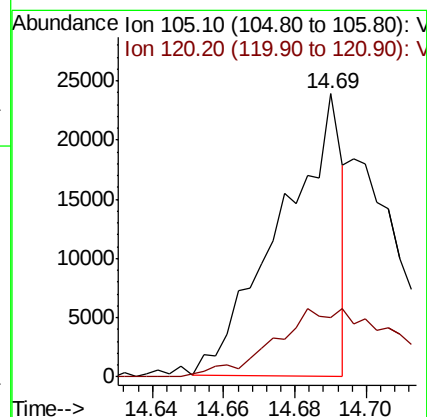
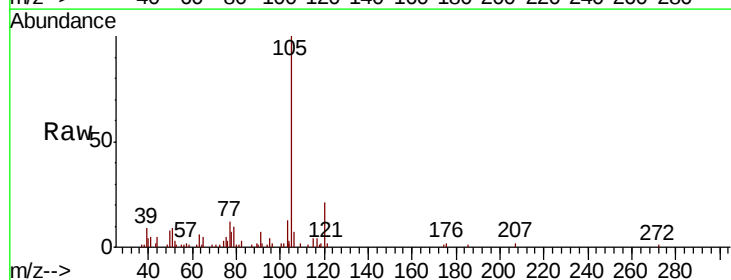
Acq: 12 May 2020 20:20

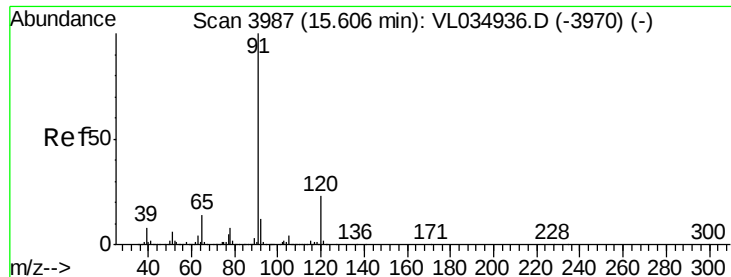
Tgt Ion:105 Resp: 28384

Ion Ratio Lower Upper

105 100

120 45.4 20.6 31.0#





#64

n-propylbenzene

Concen: 0.188 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. -0.03 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampled :

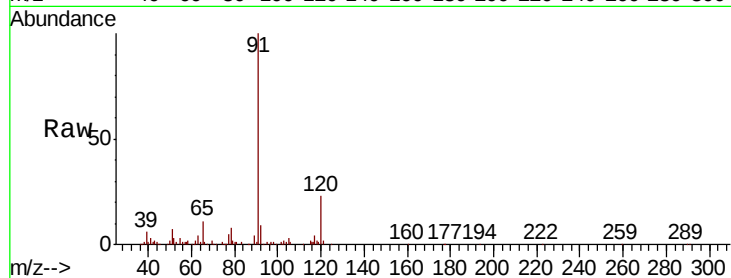
IA-1DL

Tot Ion:120 Resp: 18384

Ion Ratio Lower Upper

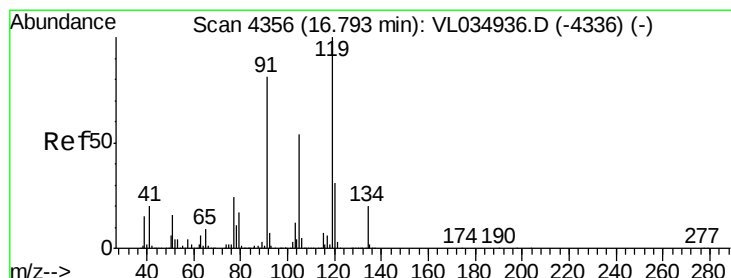
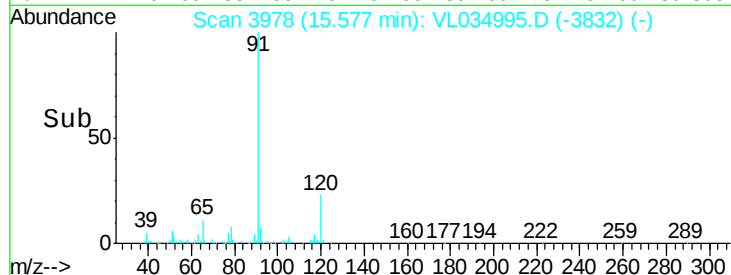
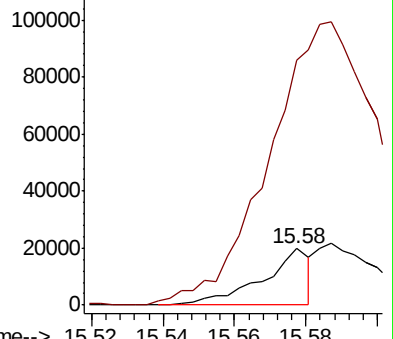
120 100

91 0.0 373.5 560.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.137 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

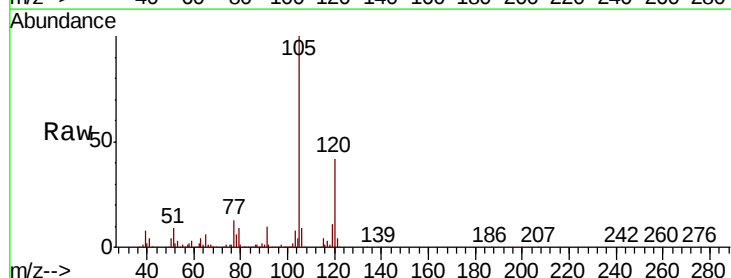
Tgt Ion:119 Resp: 45297

Ion Ratio Lower Upper

119 100

91 0.0 67.5 101.3#

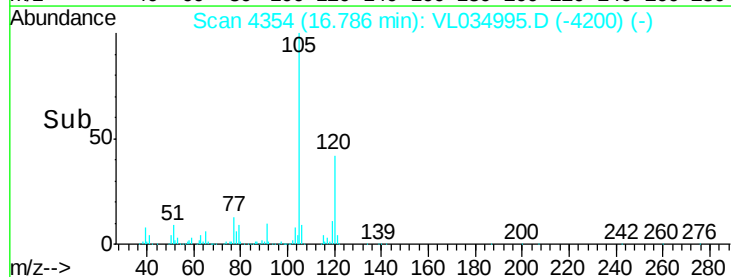
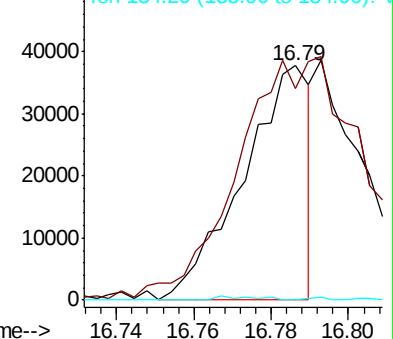
134 1.3 16.1 24.1#

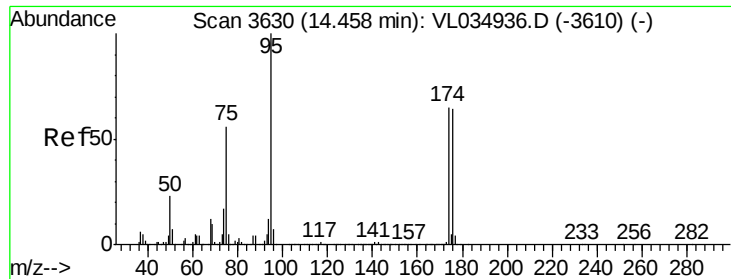


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

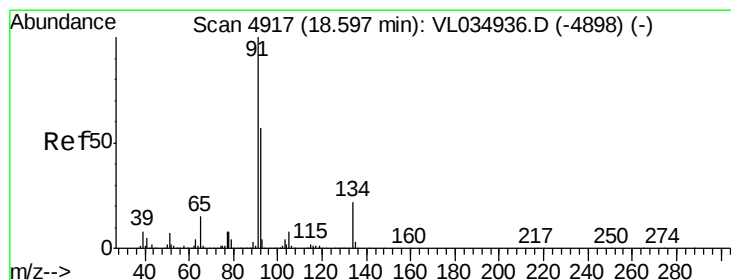
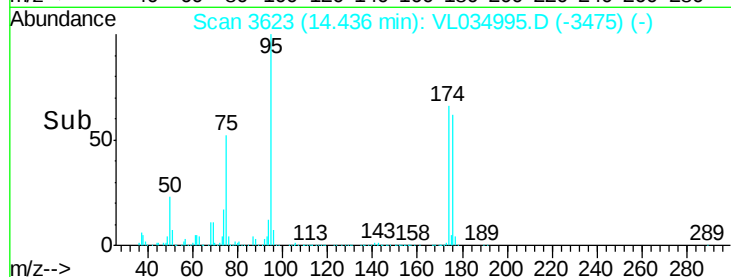
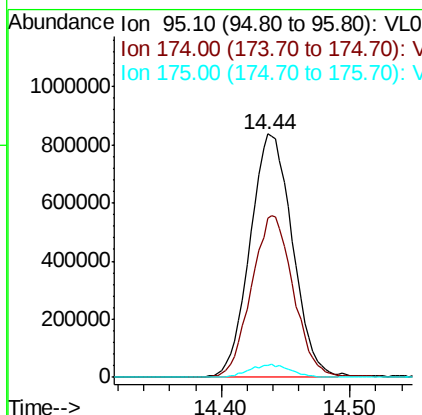
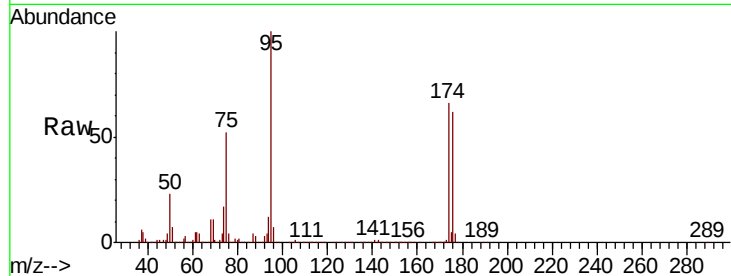




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.985 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.02 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

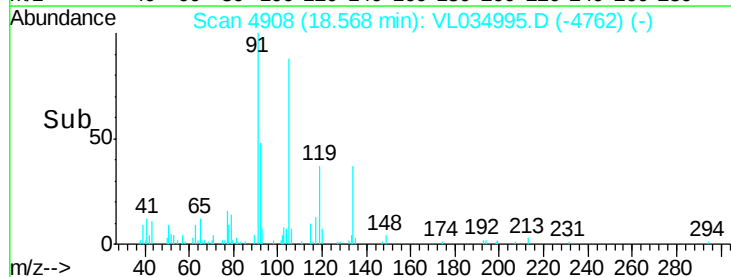
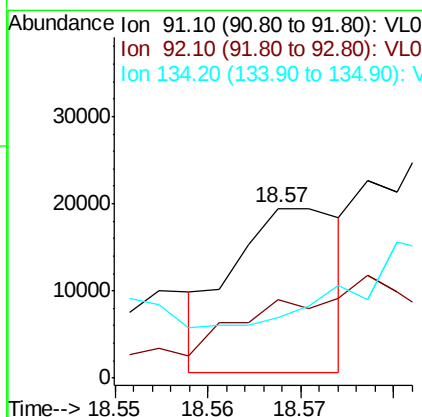
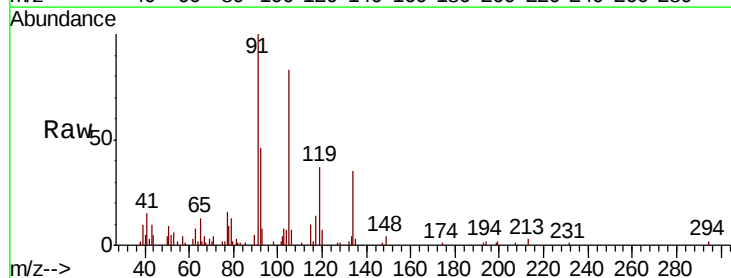
Instrument :
 MSVOA_L
 ClientSampleID :
 IA-1DL

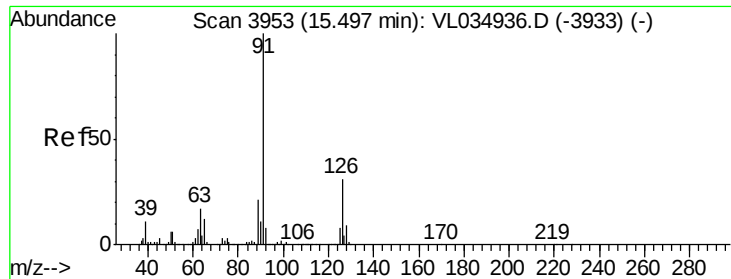
Tot Ion: 95 Resp: 1918537
 Ion Ratio Lower Upper
 95 100
 174 66.4 51.5 77.3
 175 5.2 3.8 5.8



#70
 n-Butylbenzene
 Concen: 0.038 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. -0.03 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

Tgt Ion: 91 Resp: 15448
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.4 66.6#
 134 0.0 18.0 27.0#

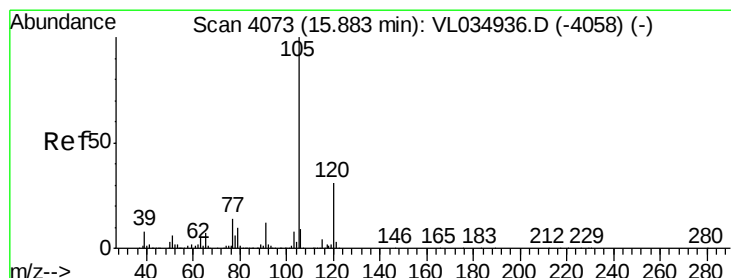
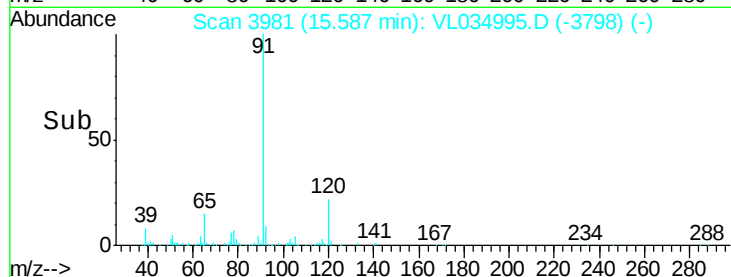
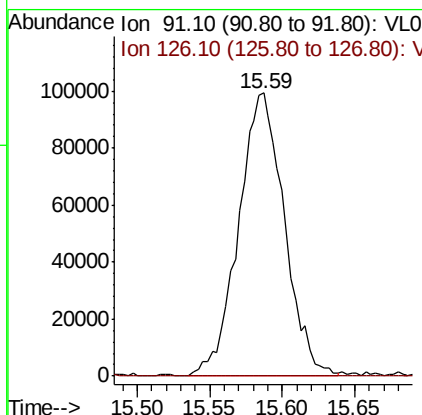
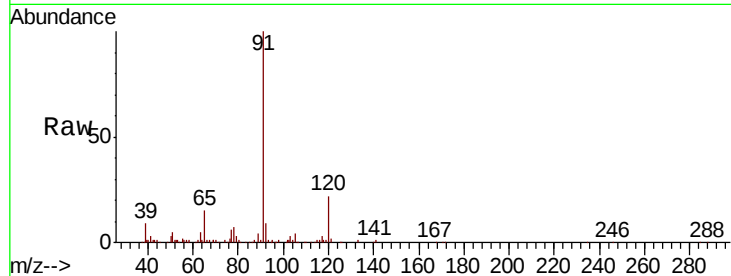




#71
 2-Chlorotoluene
 Concen: 0.758 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.09 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

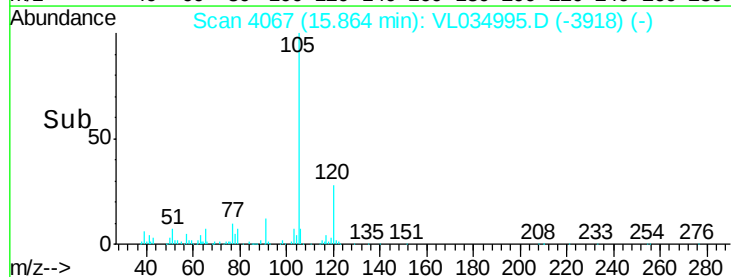
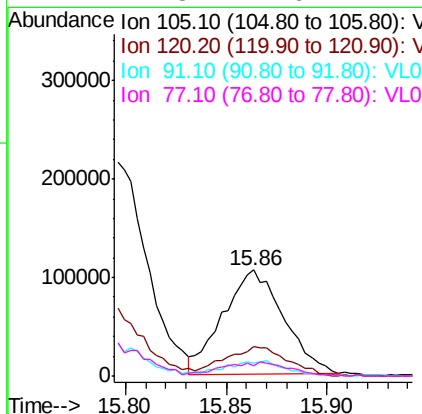
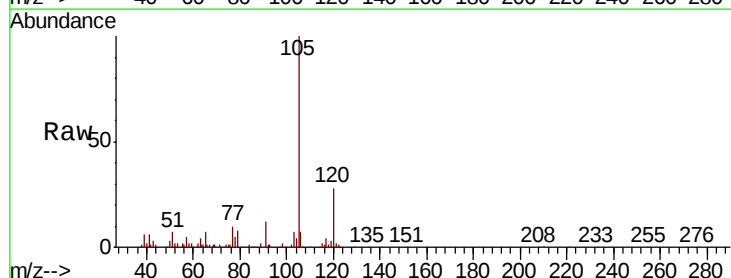
Instrument :
 MSVOA_L
 ClientSampled :
 IA-1DL

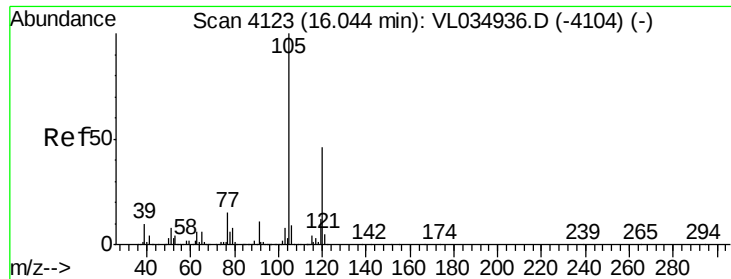
Tot Ion: 91 Resp: 217731
 Ion Ratio Lower Upper
 91 100
 126 0.2 12.0 47.8#



#72
 4-Ethyltoluene
 Concen: 0.785 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.02 min
 Lab File: VL034995.D
 Acq: 12 May 2020 20:20

Tgt Ion:105 Resp: 223123
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.8 35.8
 91 15.0 10.6 15.8
 77 14.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.367 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.03 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

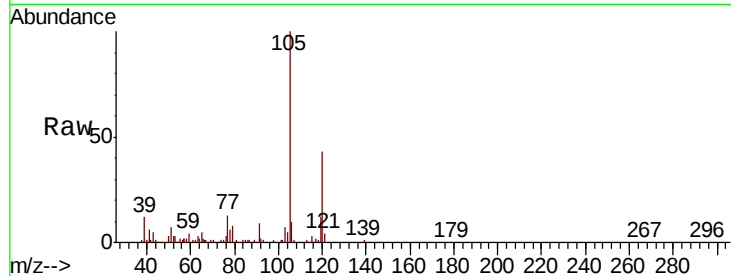
IA-1DL

Tot Ion:105 Resp: 101565

Ion Ratio Lower Upper

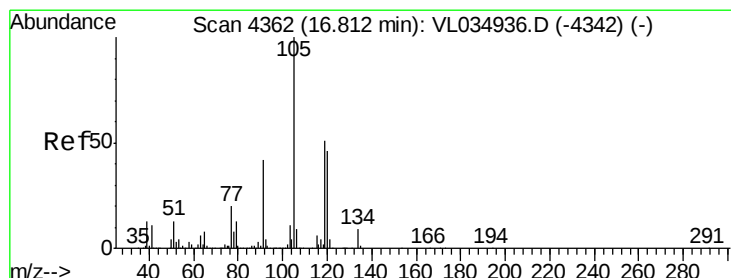
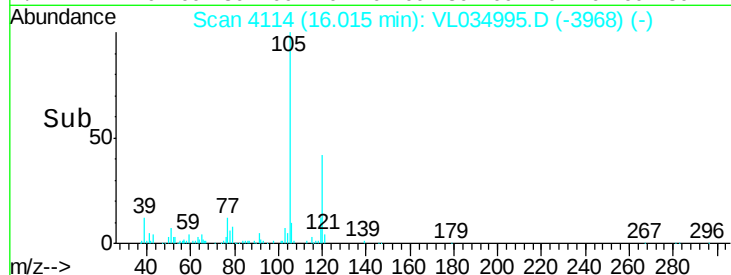
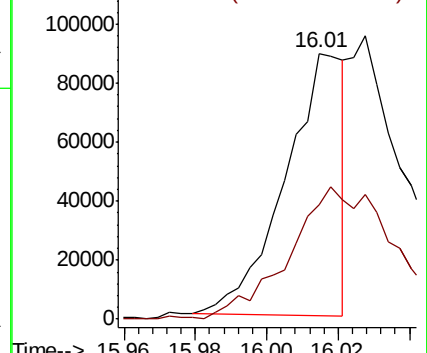
105 100

120 43.2 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.575 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.03 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Tgt Ion:105 Resp: 777771

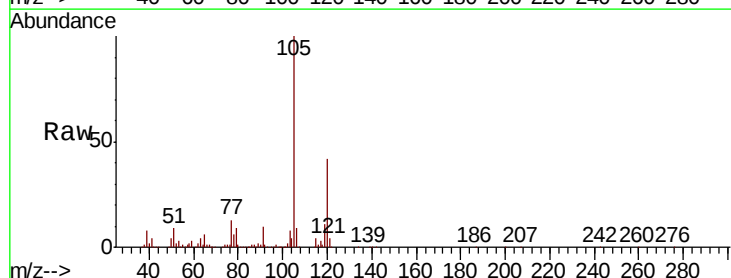
Ion Ratio Lower Upper

105 100

120 41.9 36.8 55.2

91 10.0 35.4 53.0#

77 13.1 16.2 24.2#

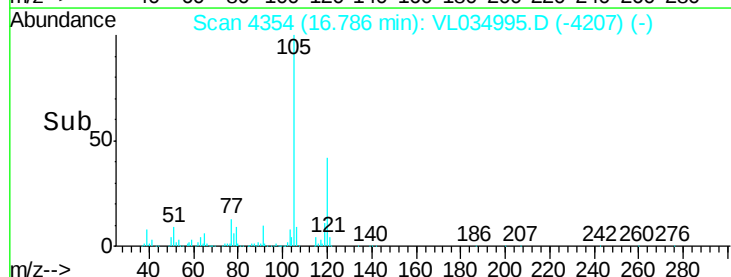
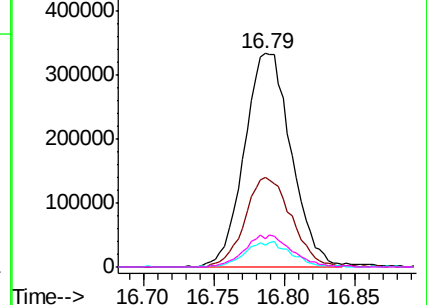


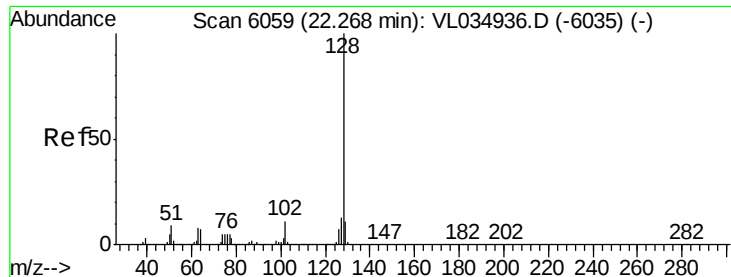
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.286 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.01 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

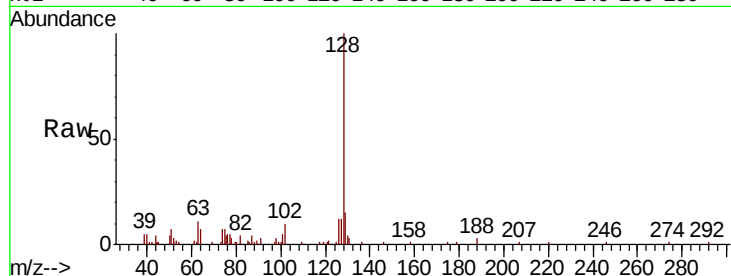
Tot Ion:128 Resp: 67360

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

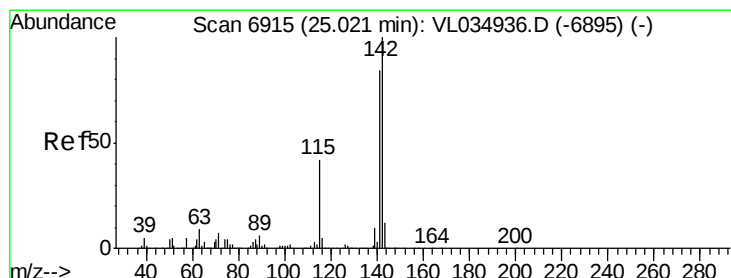
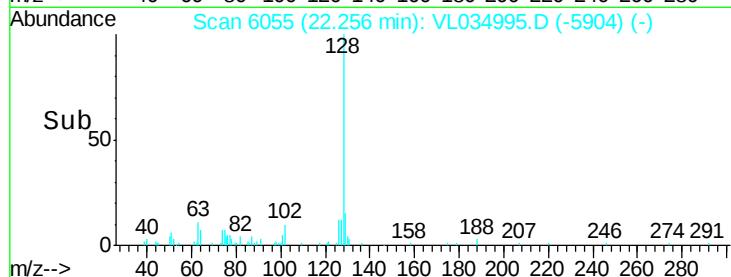
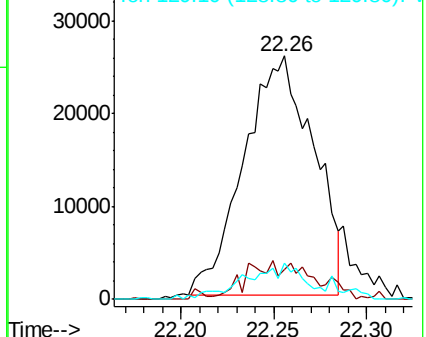
129 13.4 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.122 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. -0.01 min

Lab File: VL034995.D

Acq: 12 May 2020 20:20

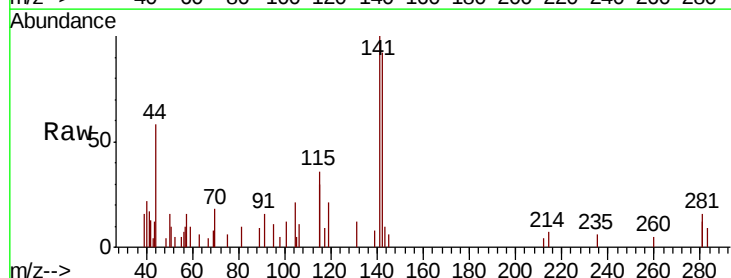
Tgt Ion:142 Resp: 7055

Ion Ratio Lower Upper

142 100

141 91.2 68.6 102.8

115 51.8 33.9 50.9#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

