

Data File : VL034696.D
Acq On : 26 Feb 2020 20:34
Operator : SY/AP
Sample : L1663-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Quant Time: Feb 27 07:30:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	976801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2010937	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2082483	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1704736	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	9226	0.060	ppbv	98
3) Chlorodifluoromethane	2.95	51	39734	0.377	ppbv	93
4) Chloromethane	3.11	50	29818	0.505	ppbv #	87
9) Propene	2.98	41	18192	0.413	ppbv #	15
10) Heptane	8.14	43	213635	1.884	ppbv	98
11) Trichlorofluoromethane	3.93	101	13122	0.097	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4053	0.043	ppbv #	1
13) Ethanol	3.59	45	3475338	249.659	ppbv	98
15) Acetone	3.82	43	3250753	29.205	ppbv	99
16) 1,3-Butadiene	3.28	39	28846	0.560	ppbv #	18
17) tert-Butyl alcohol	4.29	59	732959	8.593	ppbv	98
19) Isopropyl Alcohol	3.97	45	6233299	94.017	ppbv #	99
20) Methylene Chloride	4.33	84	251596	6.078	ppbv	96
21) Allyl Chloride	4.34	41	23550	0.320	ppbv #	20
22) trans-1,2-Dichloroethene	4.87	96	1944	0.047	ppbv #	68
23) Vinyl Acetate	5.05	43	125440	0.829	ppbv #	22
25) Ethyl Acetate	5.68	43	365617	1.856	ppbv #	90
26) Hexane	5.68	57	402015	4.427	ppbv #	50
27) Carbon Disulfide	4.97	76	560823	5.440	ppbv #	63
28) Methyl tert-Butyl Ether	5.02	73	2816	0.022	ppbv #	52
29) Chloroform	5.75	83	14647	0.101	ppbv	99
30) Cyclohexane	7.14	84	45026	0.640	ppbv #	22
34) 2-Butanone	5.24	43	427906	3.381	ppbv	98
35) Carbon Tetrachloride	7.03	117	4033	0.030	ppbv #	1
36) Benzene	6.90	78	261807	1.507	ppbv	95
37) 1,2-Dichloroethane	6.31	62	3097	0.028	ppbv #	82
38) Trichloroethene	7.86	130	3058	0.046	ppbv #	63
39) 1,2-Dichloropropane	7.19	63	572018	8.278	ppbv #	23
41) Tetrahydrofuran	6.05	42	177640	2.659	ppbv	97
42) Bromodichloromethane	7.82	83	7043	0.049	ppbv #	39
44) 2,2,4-Trimethylpentane	7.88	57	453744	1.495	ppbv #	79
50) 4-Methyl-2-Pentanone	8.76	43	126851	0.708	ppbv	95
51) 2-Hexanone	10.16	43	3215	0.023	ppbv #	28
52) Tetrachloroethene	11.25	164	17412	0.274	ppbv #	53
53) Toluene	9.83	91	2103004	11.384	ppbv	99
58) Ethyl Benzene	12.75	91	518088	2.056	ppbv	95
59) m/p-Xylene	13.00	91	1563751	7.116	ppbv	100
60) o-Xylene	13.73	91	586567	2.690	ppbv	98
61) Styrene	13.58	104	40638	0.290	ppbv	95
62) Isopropylbenzene	14.71	105	20028	0.063	ppbv #	69
64) n-propylbenzene	15.61	120	10776	0.131	ppbv #	1

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QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

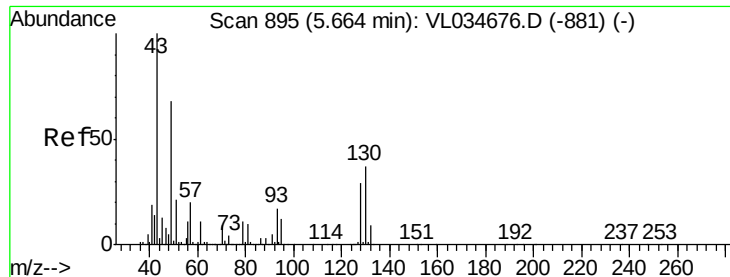
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.81	119	76775	0.280	ppbv #	66
66) Benzyl Chloride	16.82	91	38514	0.376	ppbv #	90
69) p-Isopropyltoluene	17.71	119	814123	2.502	ppbv	99
70) n-Butylbenzene	18.61	91	24513	0.069	ppbv #	34
71) 2-Chlorotoluene	15.61	91	159943	0.649	ppbv #	46
72) 4-Ethyltoluene	15.89	105	189681	0.782	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	79487	0.340	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.81	105	673242	2.611	ppbv #	66
75) 1,3-Dichlorobenzene	17.06	146	4417	0.030	ppbv #	22
76) 1,4-Dichlorobenzene	17.19	146	32193	0.216	ppbv #	31
79) Naphthalene	22.29	128	34612	0.153	ppbv	95
80) Naphthalene,2-methyl-	25.03	142	12766	0.182	ppbv #	57
81) 1,2,4-Trichlorobenzene	21.58	180	3999	0.030	ppbv #	17

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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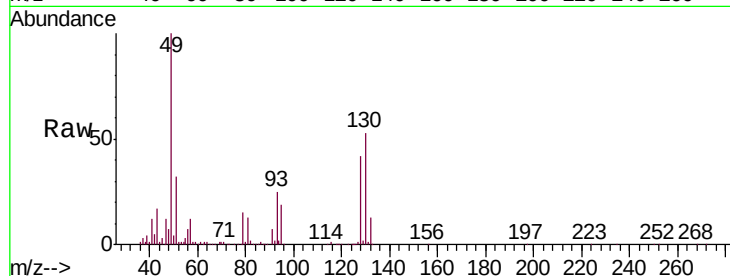
Tgt Ion: 49 Resp: 976801

Ion Ratio Lower Upper

49 100

128 43.4 21.6 65.0

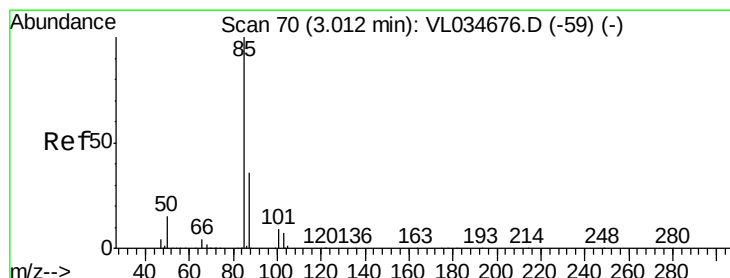
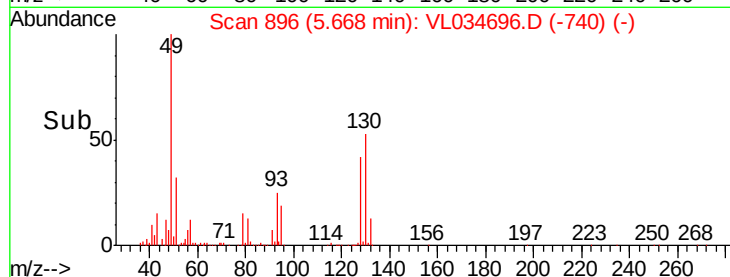
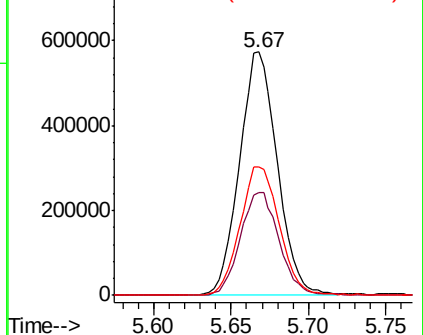
130 55.4 27.7 83.1



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: 0.060 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034696.D

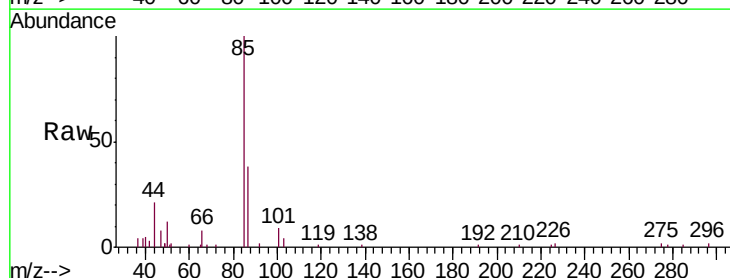
Acq: 26 Feb 2020 20:34

Tgt Ion: 85 Resp: 9226

Ion Ratio Lower Upper

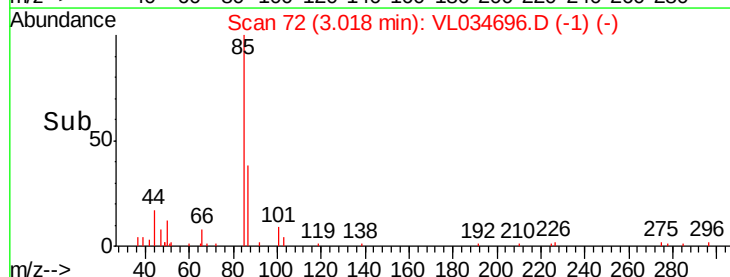
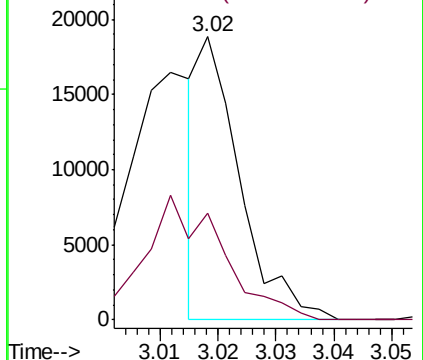
85 100

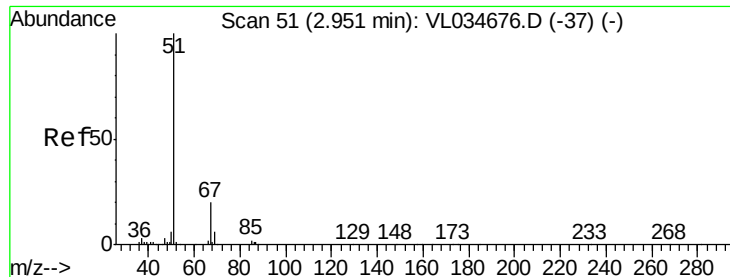
87 37.6 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.377 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

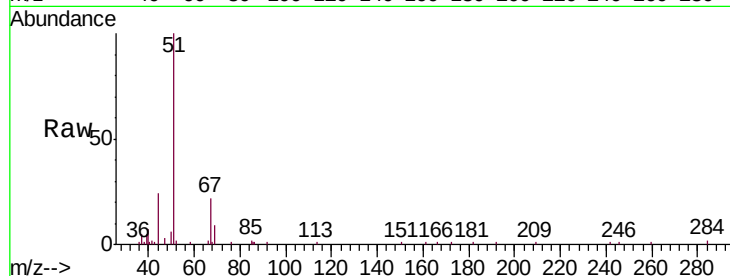
EP-104

Tgt Ion: 51 Resp: 39734

Ion Ratio Lower Upper

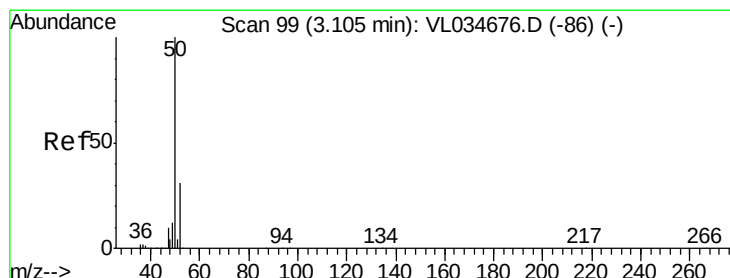
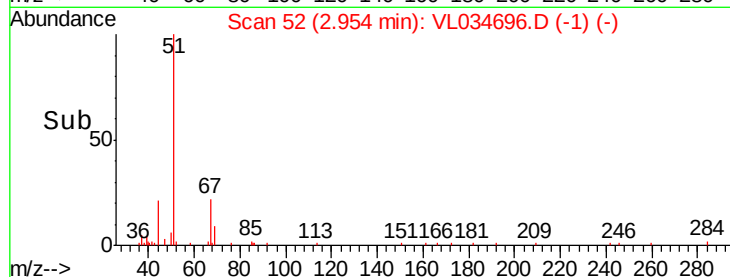
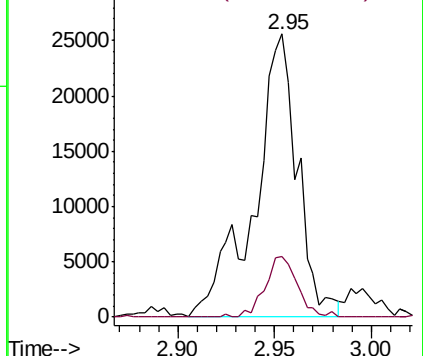
51 100

67 16.0 15.5 23.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.505 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034696.D

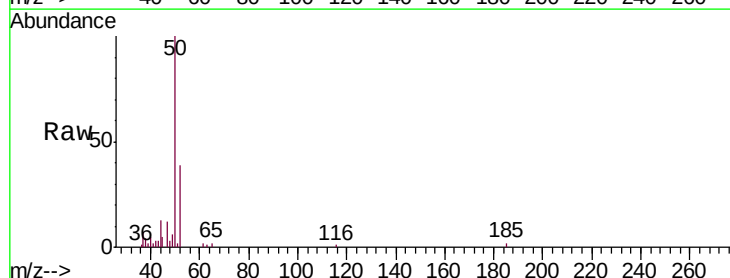
Acq: 26 Feb 2020 20:34

Tgt Ion: 50 Resp: 29818

Ion Ratio Lower Upper

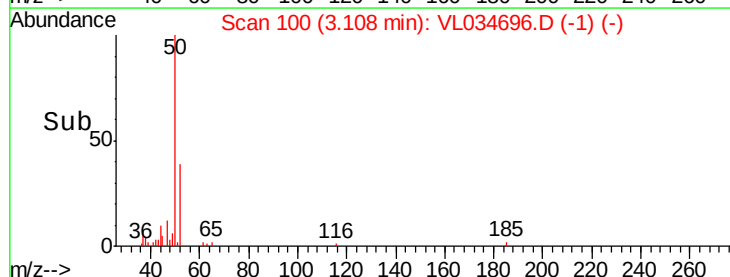
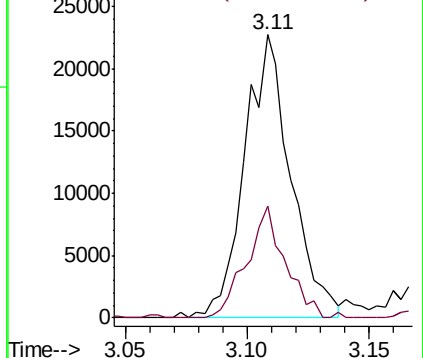
50 100

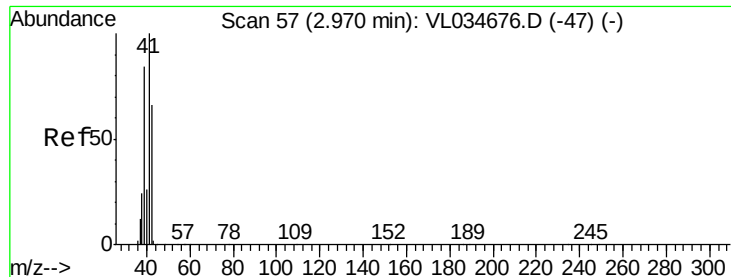
52 38.6 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.413 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampled :

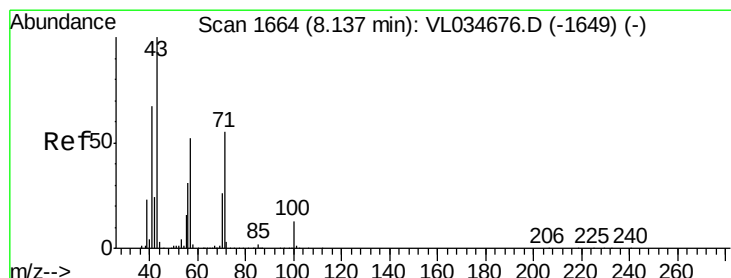
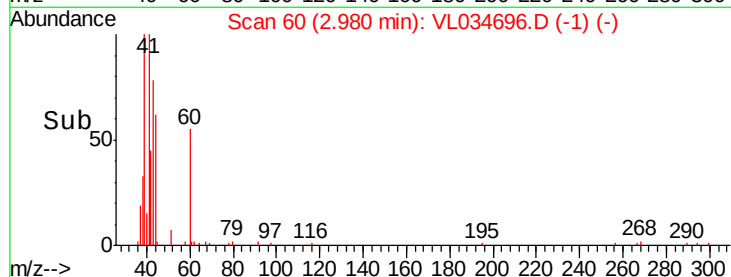
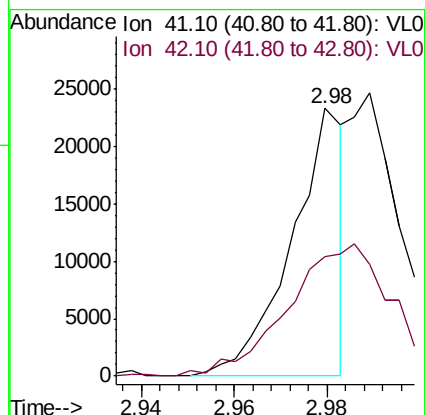
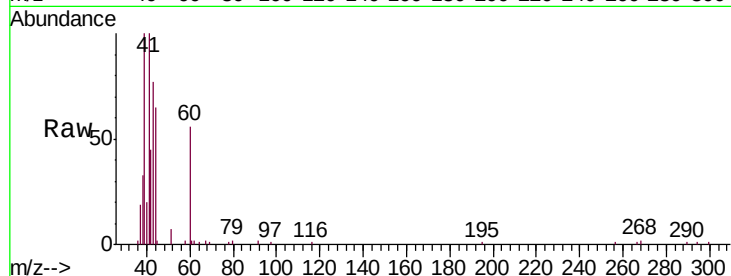
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Tgt Ion: 41 Resp: 18192

Ion Ratio Lower Upper

41 100

42 0.0 54.9 82.3#



#10

Heptane

Concen: 1.884 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL034696.D

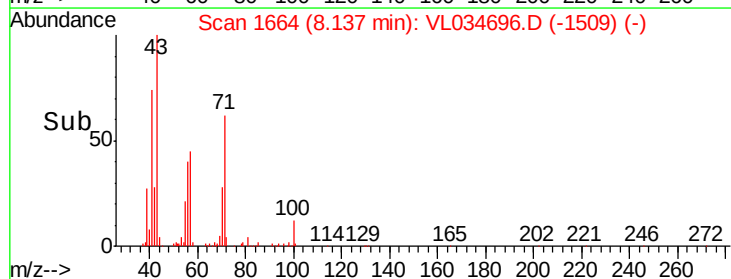
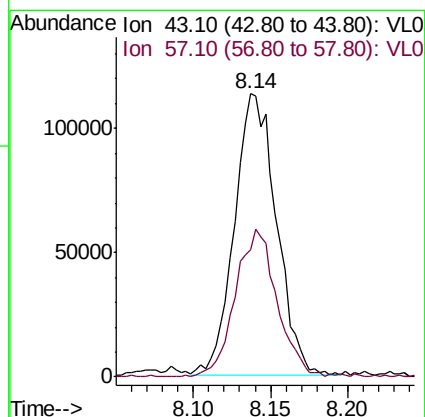
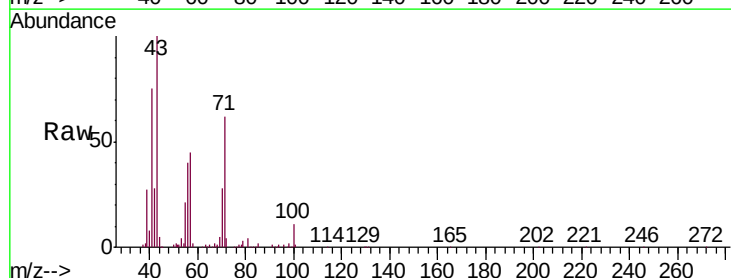
Acq: 26 Feb 2020 20:34

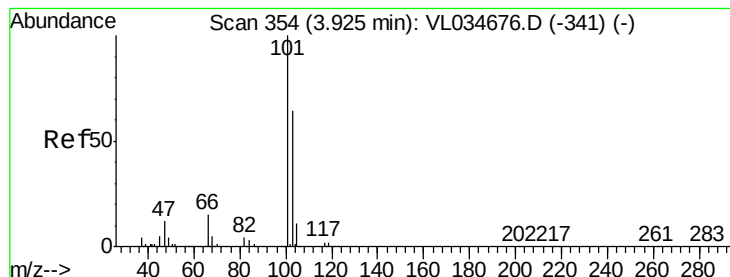
Tgt Ion: 43 Resp: 213635

Ion Ratio Lower Upper

43 100

57 52.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.097 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

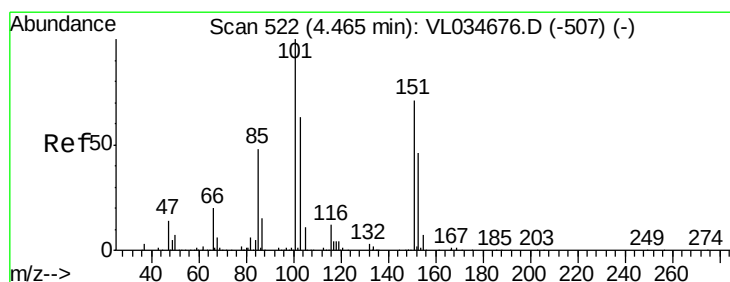
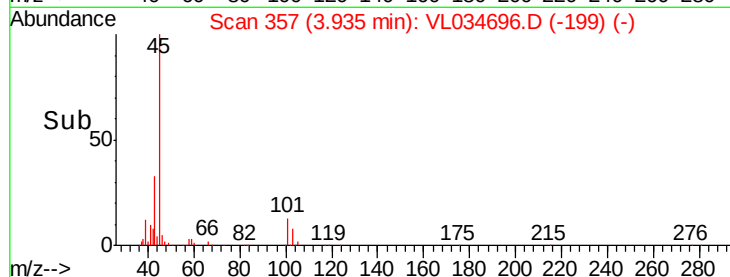
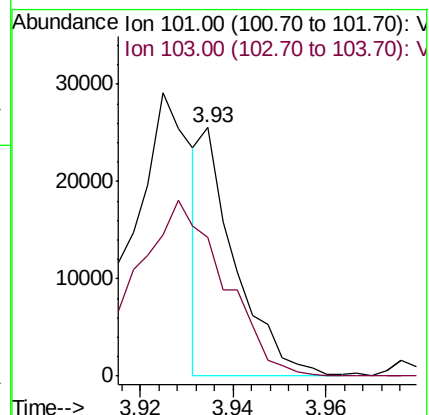
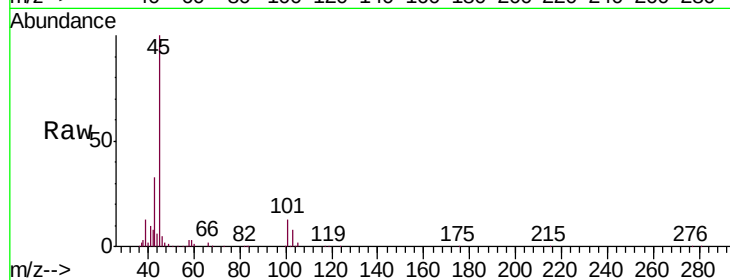
EP-104

Tgt Ion:101 Resp: 13122

Ion Ratio Lower Upper

101 100

103 55.9 51.2 76.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.043 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL034696.D

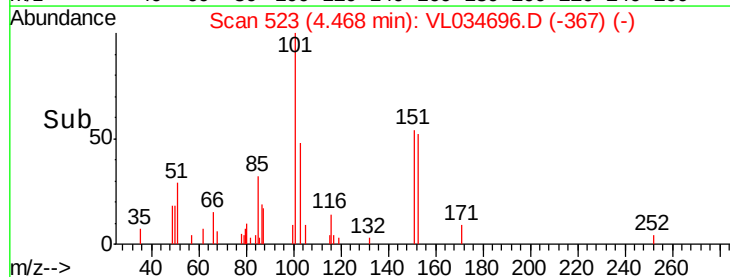
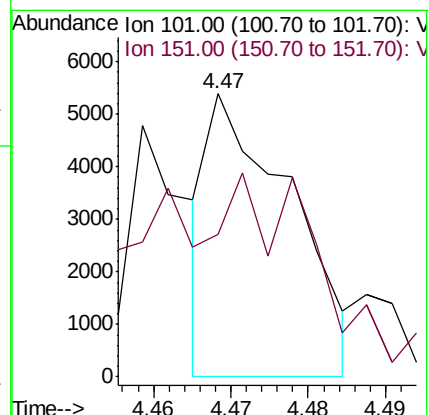
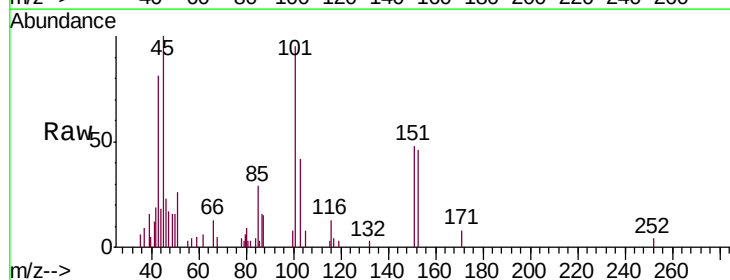
Acq: 26 Feb 2020 20:34

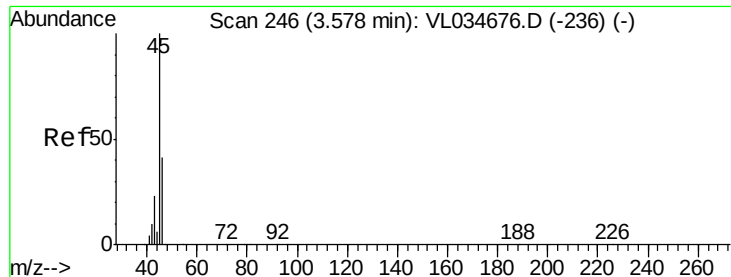
Tgt Ion:101 Resp: 4053

Ion Ratio Lower Upper

101 100

151 151.6 55.8 83.6#





#13

Ethanol

Concen: 249.659 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

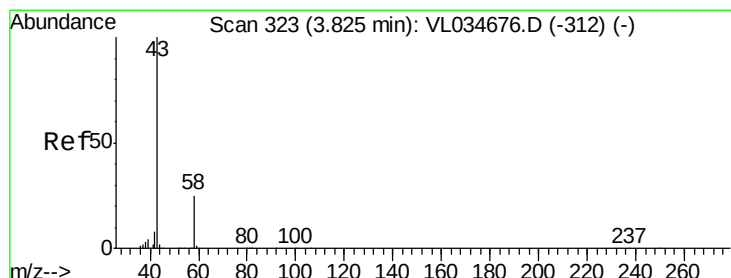
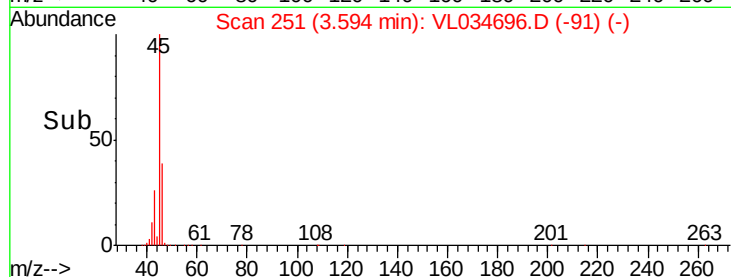
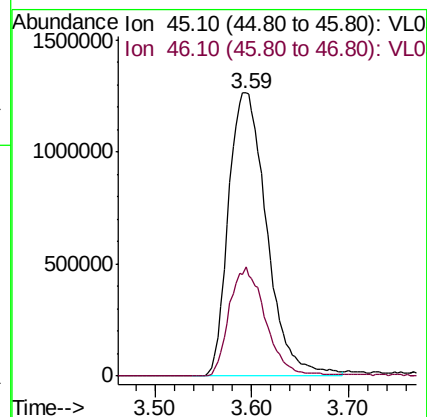
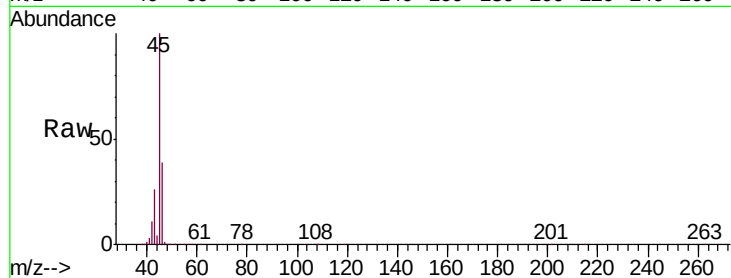
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Tgt Ion: 45 Resp: 3475338

Ion Ratio Lower Upper

45 100

46 36.9 15.4 61.4



#15

Acetone

Concen: 29.205 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034696.D

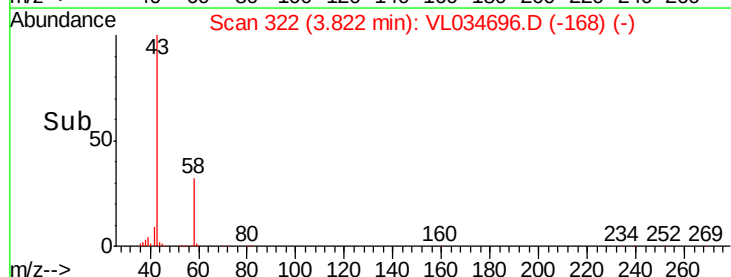
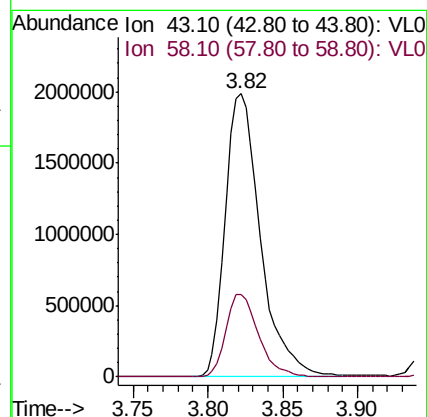
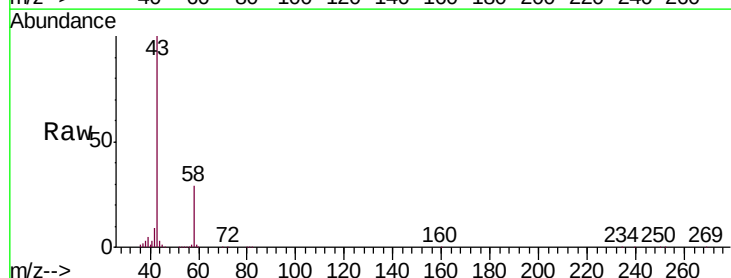
Acq: 26 Feb 2020 20:34

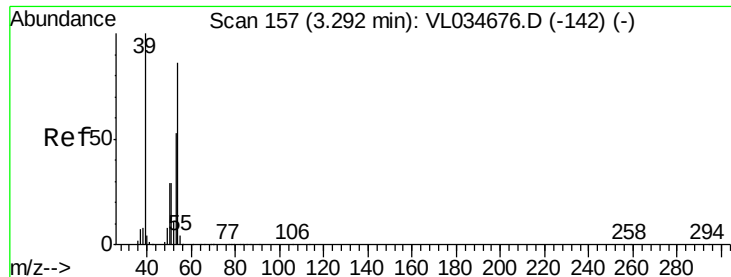
Tgt Ion: 43 Resp: 3250753

Ion Ratio Lower Upper

43 100

58 27.5 21.4 32.0





#16

1,3-Butadiene

Concen: 0.560 ppbv

RT: 3.28 min Scan# 152

Delta R.T. -0.02 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

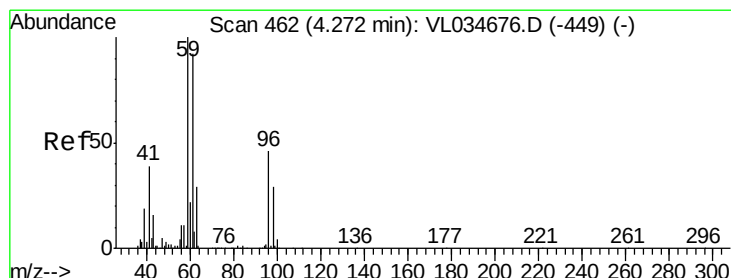
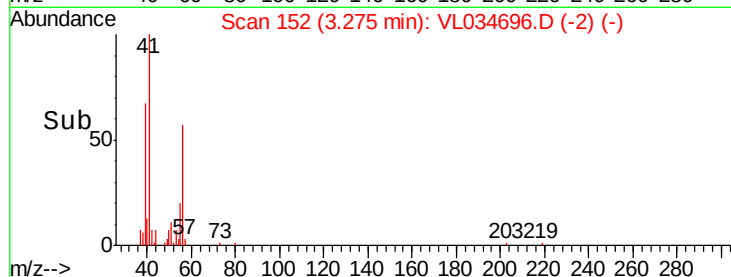
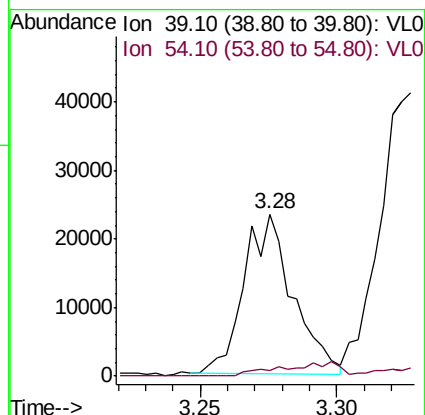
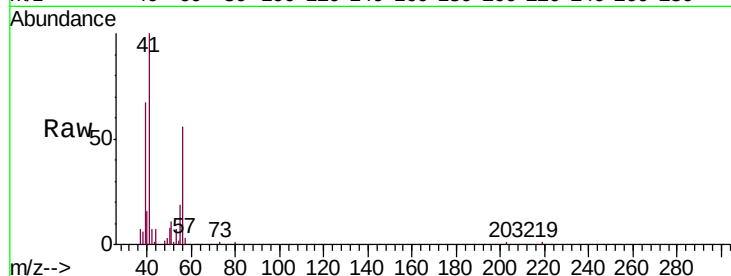
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Tgt Ion: 39 Resp: 28846

Ion Ratio Lower Upper

39 100

54 9.9 67.0 100.6#



#17

tert-Butyl alcohol

Concen: 8.593 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL034696.D

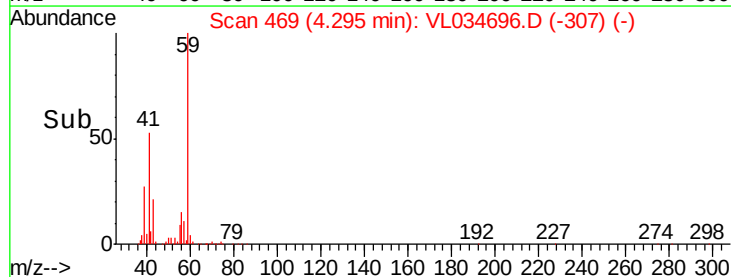
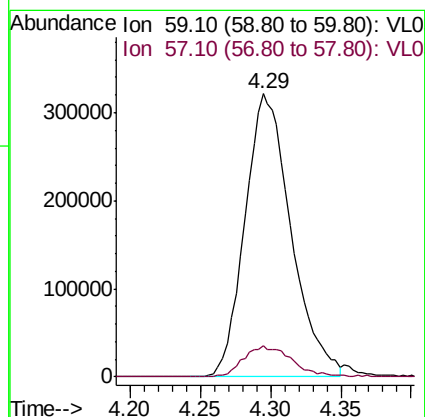
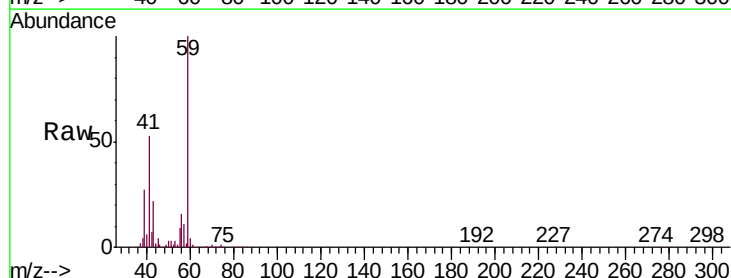
Acq: 26 Feb 2020 20:34

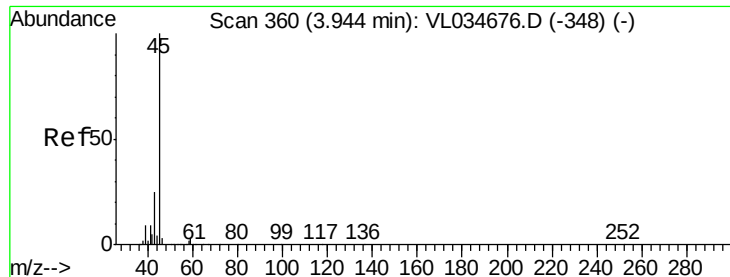
Tgt Ion: 59 Resp: 732959

Ion Ratio Lower Upper

59 100

57 11.6 8.8 13.2





#19

Isopropyl Alcohol

Concen: 94.017 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

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ClientSampleId :

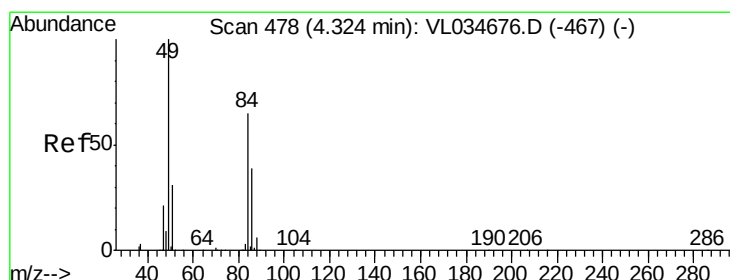
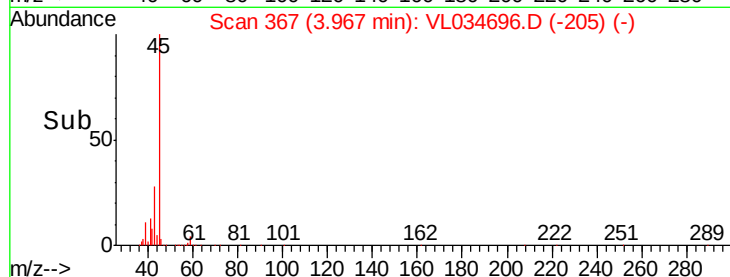
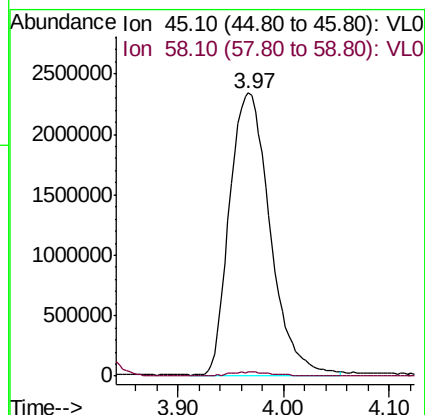
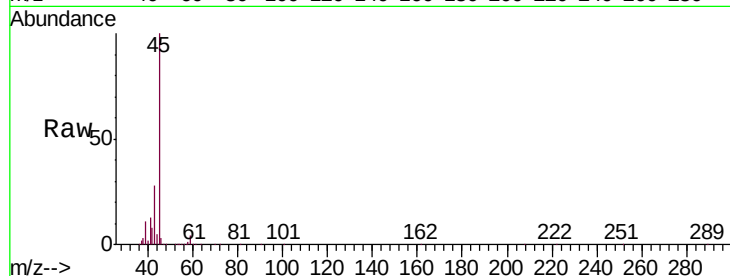
EP-104

Tgt Ion: 45 Resp: 6233299

Ion Ratio Lower Upper

45 100

58 1.7 1.8 2.6#



#20

Methylene Chloride

Concen: 6.078 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Tgt Ion: 84 Resp: 251596

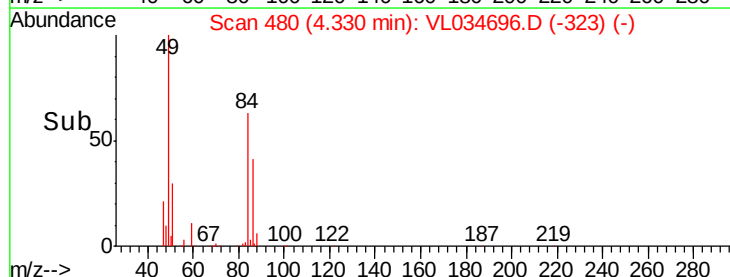
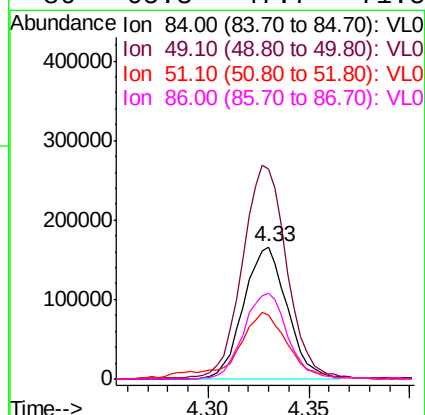
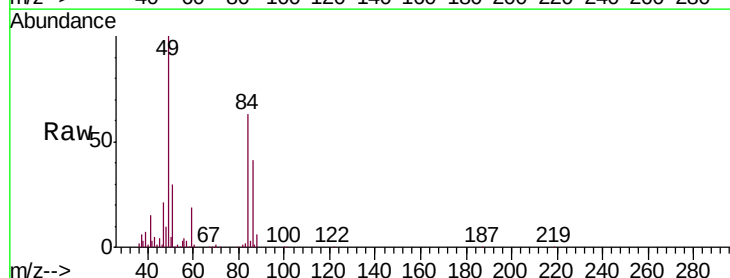
Ion Ratio Lower Upper

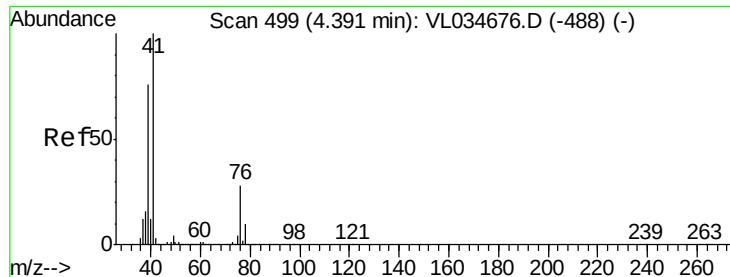
84 100

49 157.6 122.8 184.2

51 47.1 38.6 58.0

86 65.3 47.7 71.5

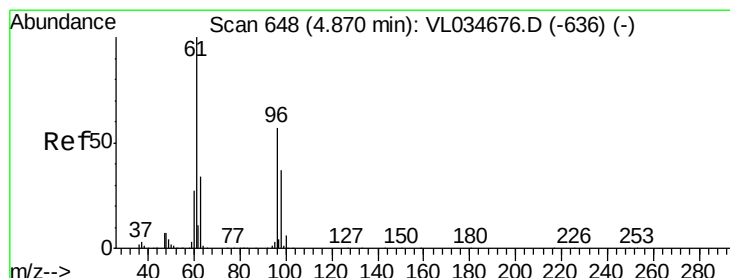
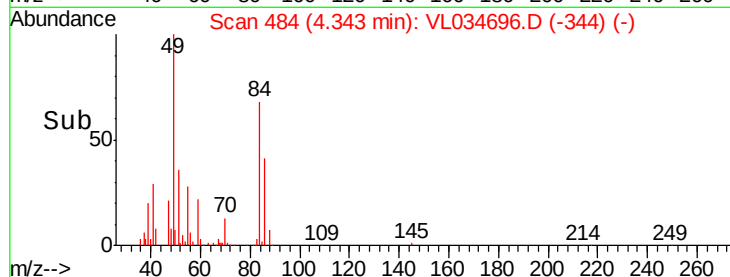
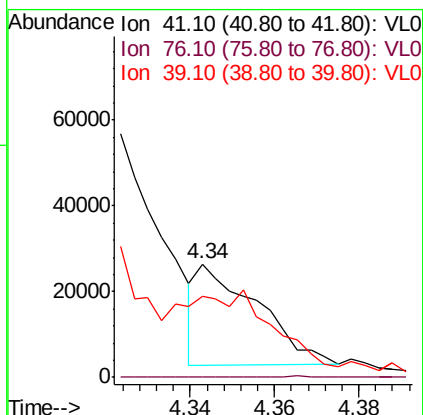
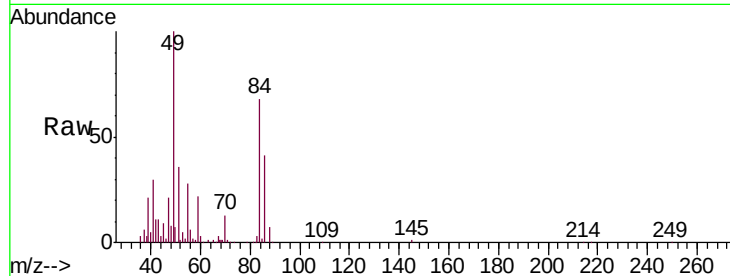




#21
 Allyl Chloride
 Concen: 0.320 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. -0.05 min
 Lab File: VL034696.D
 Acq: 26 Feb 2020 20:34

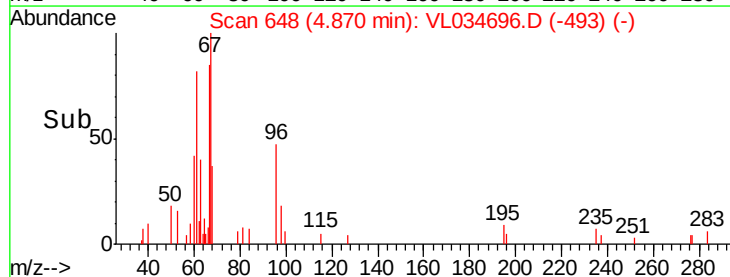
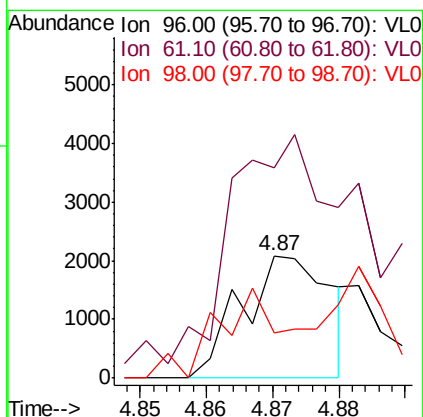
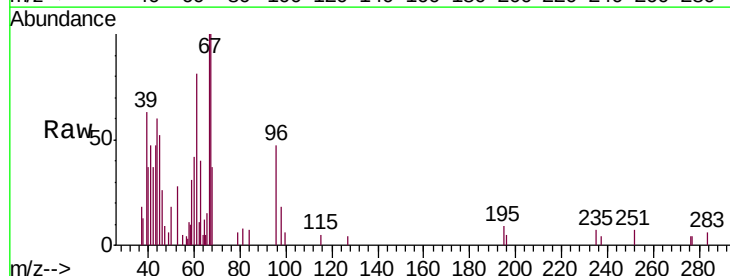
Instrument :
 MSVOA_L
 ClientSampleID :
 EP-104

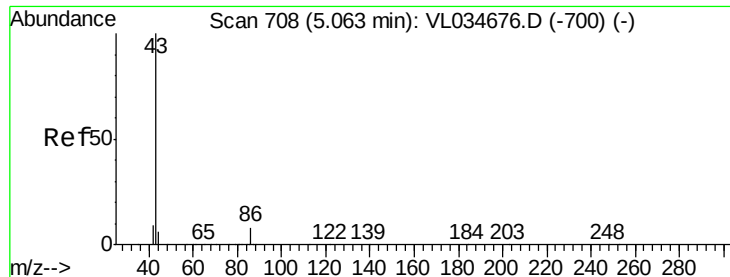
Tgt Ion: 41 Resp: 23550
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.8 34.2#
 39 0.0 61.7 92.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.047 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VL034696.D
 Acq: 26 Feb 2020 20:34

Tgt Ion: 96 Resp: 1944
 Ion Ratio Lower Upper
 96 100
 61 130.2 139.4 209.0#
 98 37.4 51.3 76.9#





#23

Vinyl Acetate

Concen: 0.829 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

EP-104

Tgt Ion: 43 Resp: 125440

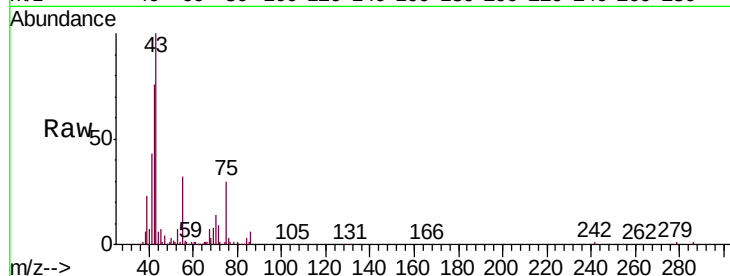
Ion Ratio Lower Upper

43 100

86 5.9 6.0 9.0#

42 73.9 8.0 12.0#

44 3.4 4.5 6.7#

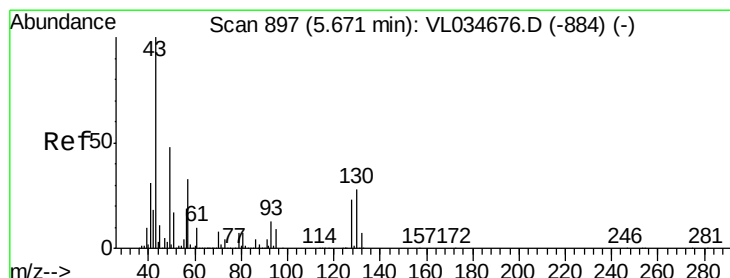
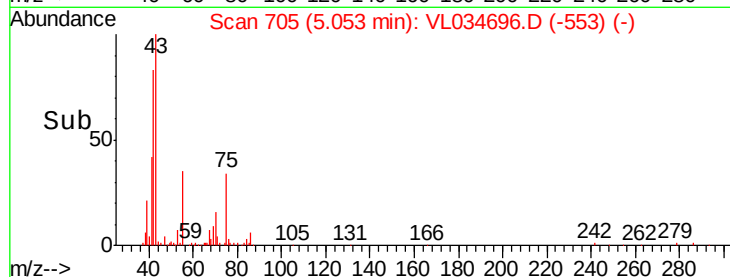
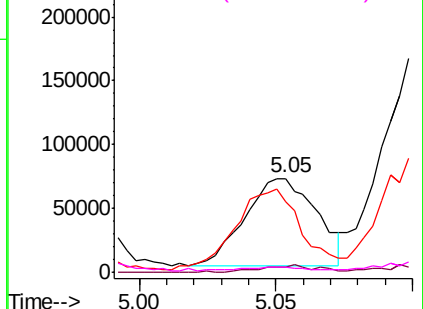


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.856 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Tgt Ion: 43 Resp: 365617

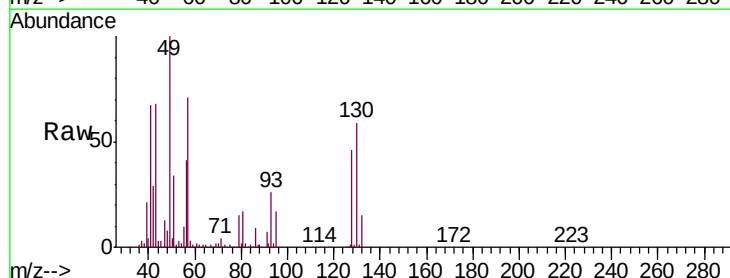
Ion Ratio Lower Upper

43 100

45 9.2 8.2 12.4

61 3.8 7.8 11.6#

70 3.7 6.1 9.1#

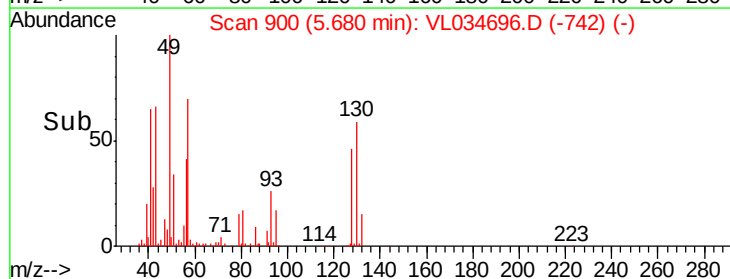
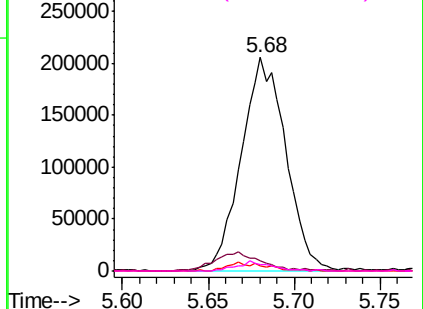


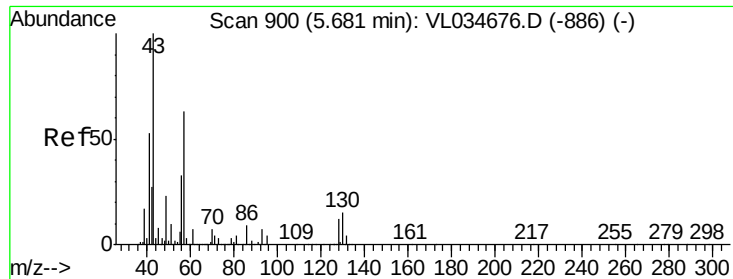
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

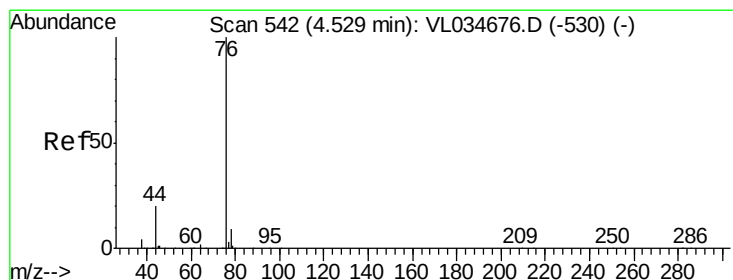
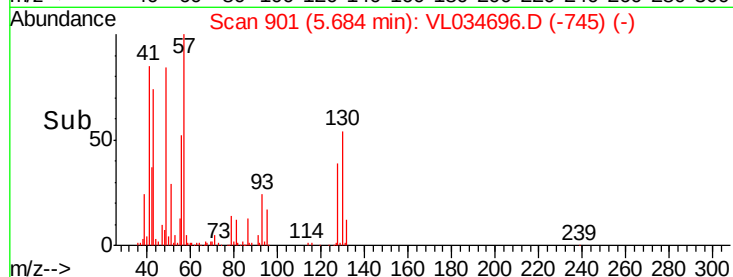
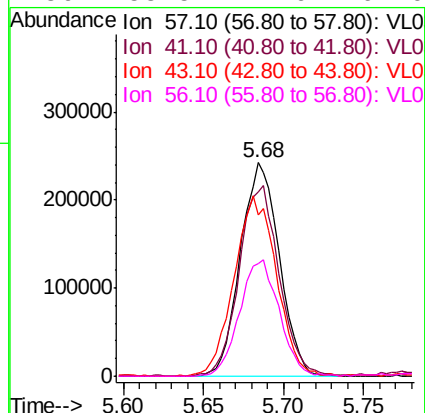
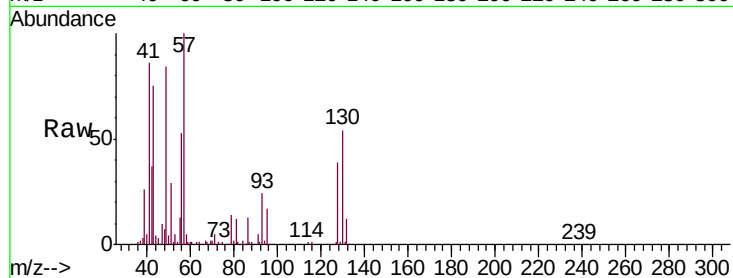




#26
Hexane
Concen: 4.427 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

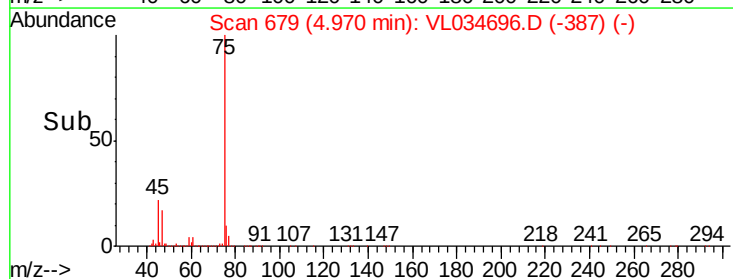
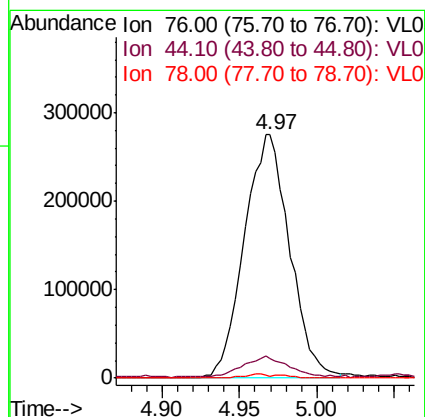
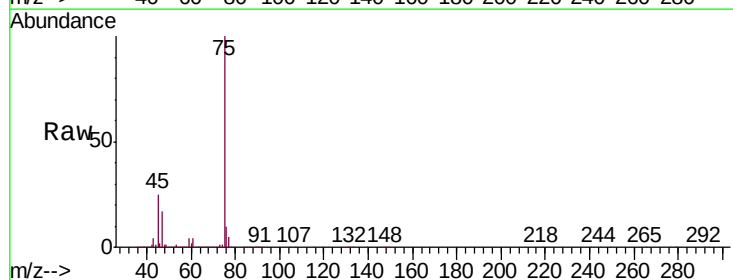
Instrument :
MSVOA_L
ClientSampleId :
EP-104

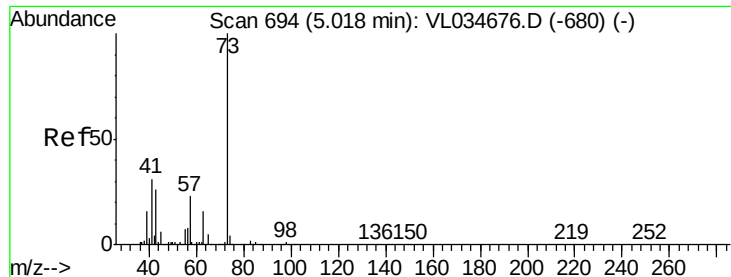
Tgt Ion:	57	Resp:	402015
Ion	Ratio	Lower	Upper
57	100		
41	92.0	70.3	105.5
43	92.7	177.0	265.4#
56	55.5	42.6	64.0



#27
Carbon Disulfide
Concen: 5.440 ppbv
RT: 4.97 min Scan# 679
Delta R.T. 0.44 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

Tgt Ion:	76	Resp:	560823
Ion	Ratio	Lower	Upper
76	100		
44	0.2	15.3	22.9#
78	0.0	7.6	11.4#





#28

Methyl tert-Butyl Ether

Concen: 0.022 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

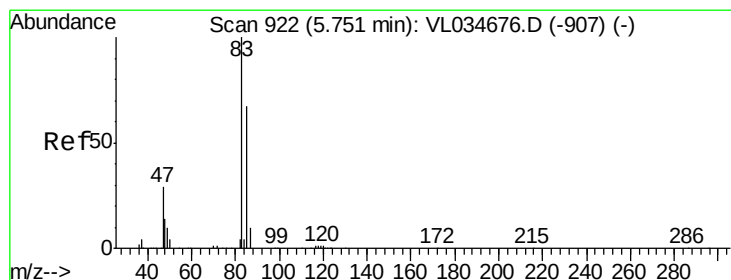
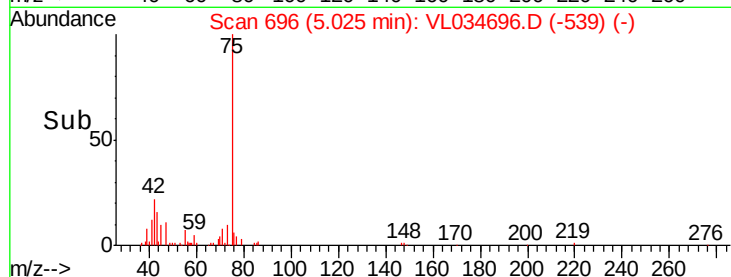
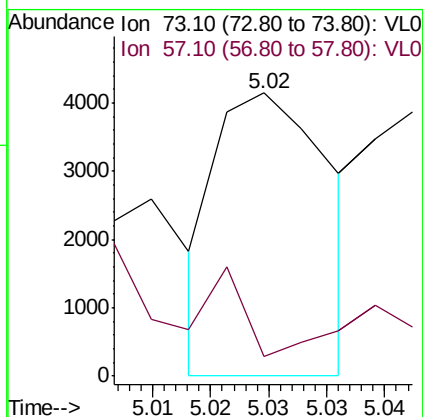
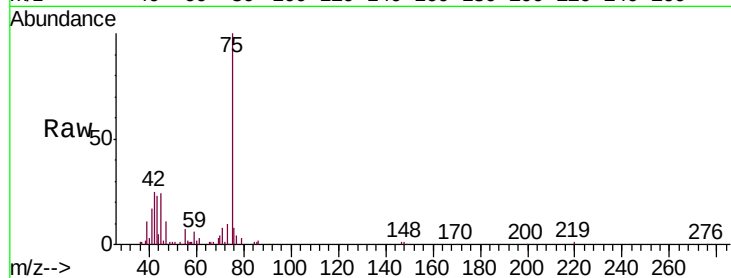
EP-104

Tgt Ion: 73 Resp: 2816

Ion Ratio Lower Upper

73 100

57 0.0 18.6 28.0#



#29

Chloroform

Concen: 0.101 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL034696.D

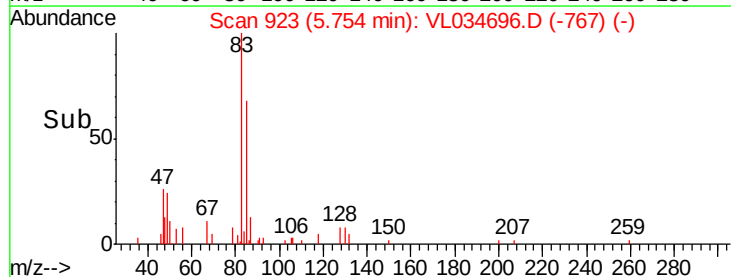
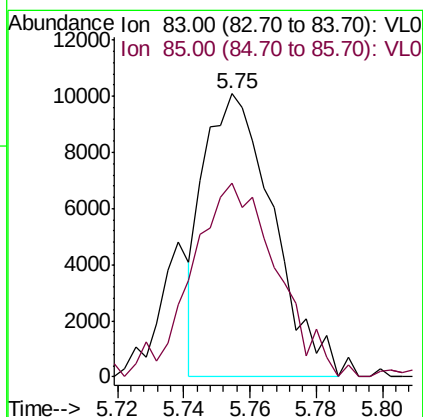
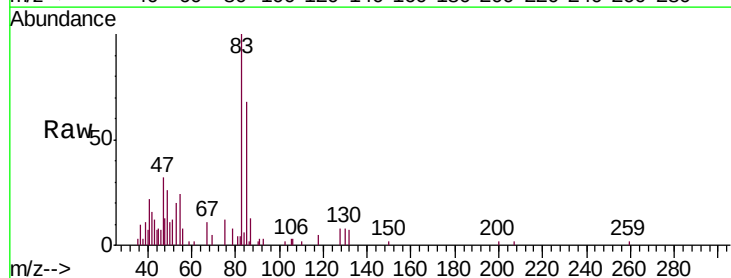
Acq: 26 Feb 2020 20:34

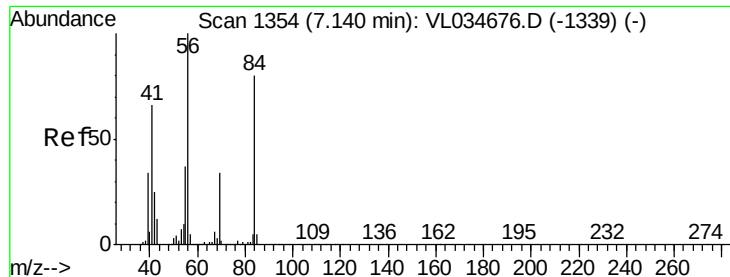
Tgt Ion: 83 Resp: 14647

Ion Ratio Lower Upper

83 100

85 68.3 53.9 80.9

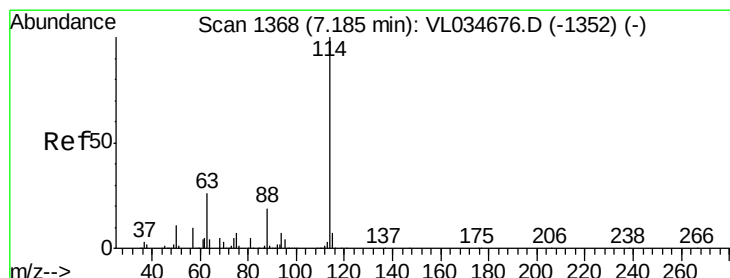
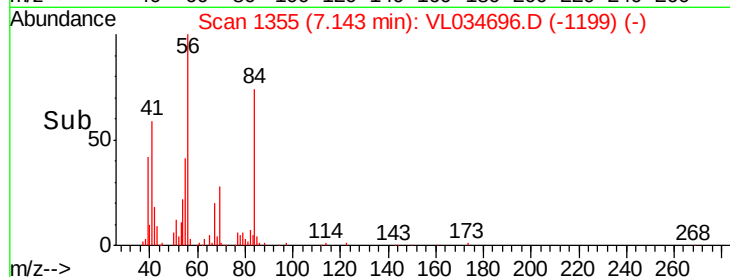
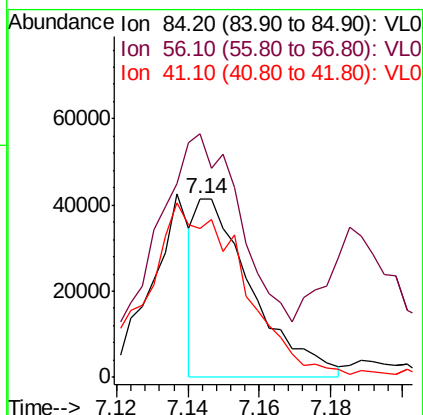
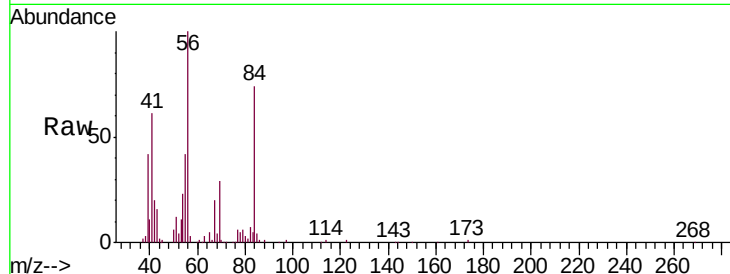




#30
Cyclohexane
Concen: 0.640 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

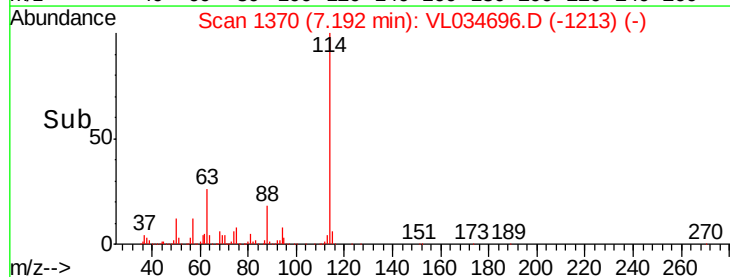
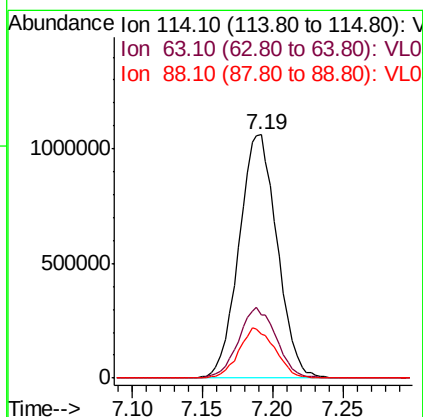
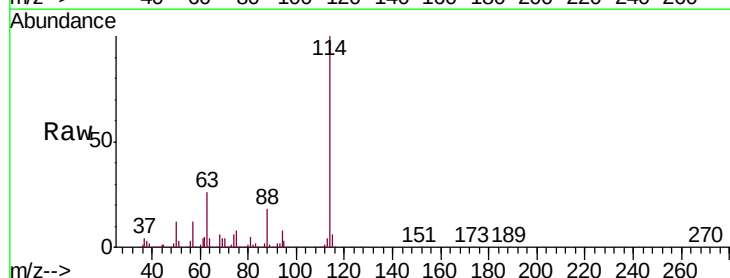
Instrument :
MSVOA_L
ClientSampleId :
EP-104

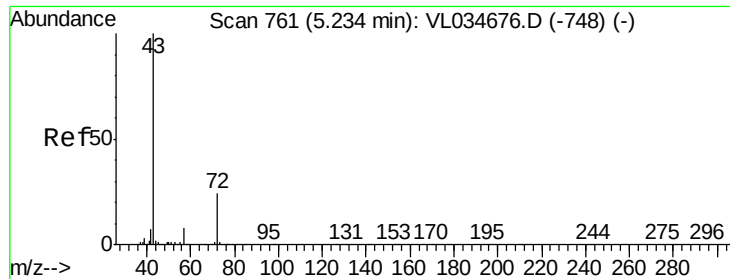
Tgt Ion: 84 Resp: 45026
Ion Ratio Lower Upper
84 100
56 226.2 113.4 170.2#
41 0.0 68.2 102.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

Tgt Ion: 114 Resp: 2010937
Ion Ratio Lower Upper
114 100
63 28.8 22.9 34.3
88 19.7 15.8 23.6

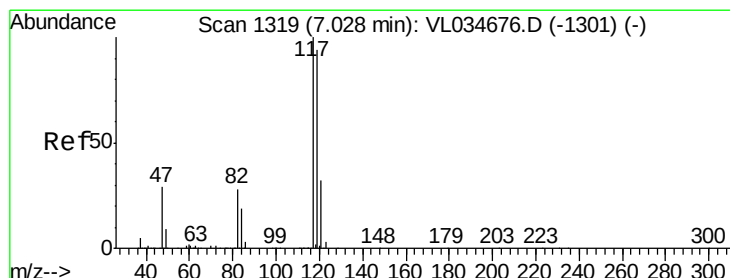
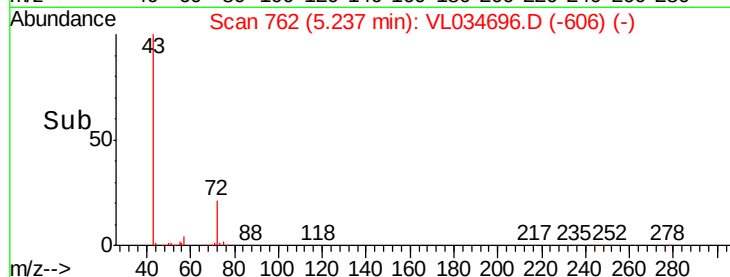
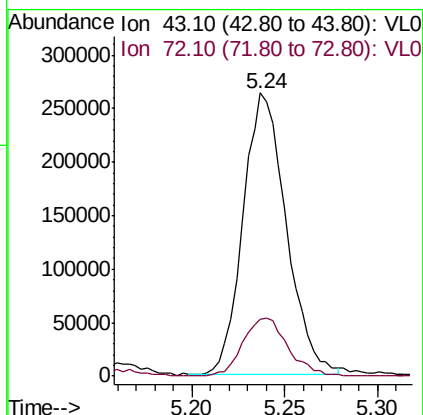
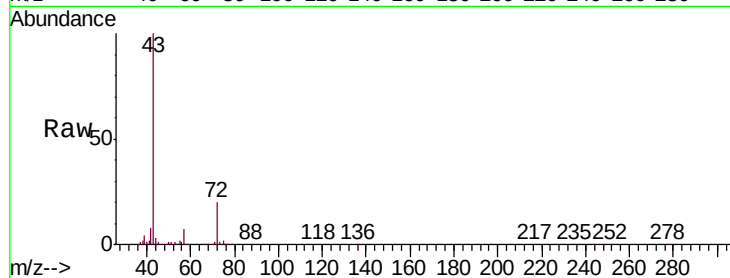




#34
2-Butanone
Concen: 3.381 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.00 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

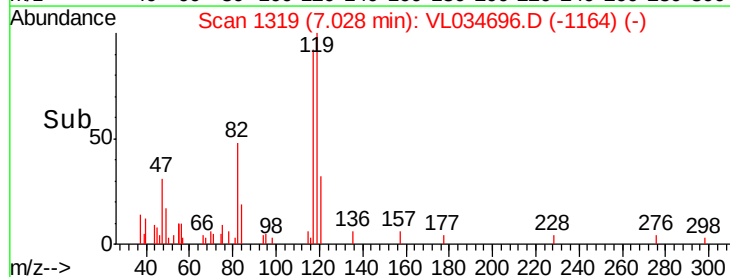
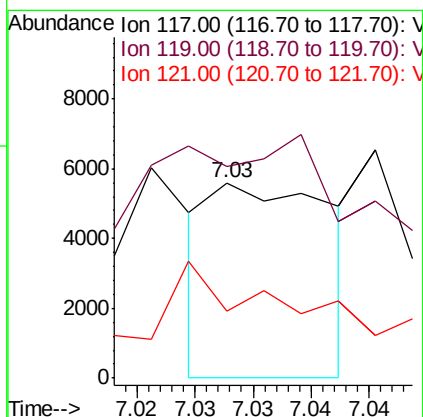
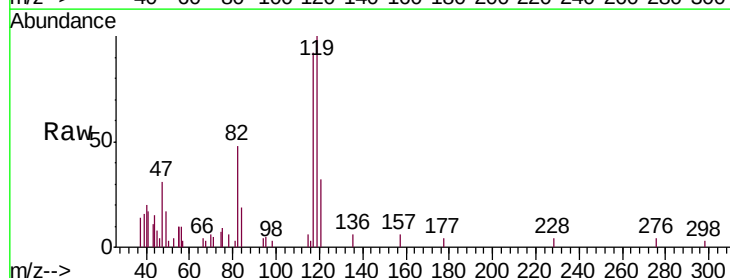
Instrument :
MSVOA_L
ClientSampled :
EP-104

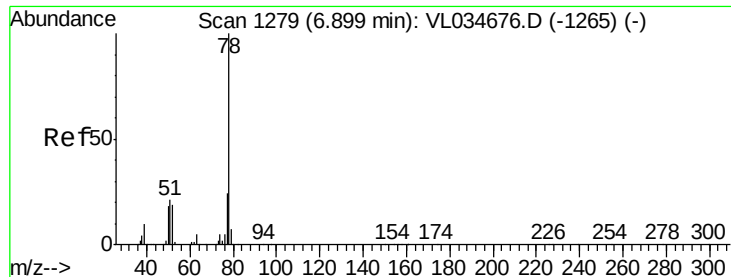
Tgt Ion: 43 Resp: 427906
Ion Ratio Lower Upper
43 100
72 21.8 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.030 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. -0.00 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

Tgt Ion: 117 Resp: 4033
Ion Ratio Lower Upper
117 100
119 232.3 75.5 113.3#
121 0.0 25.4 38.0#





#36

Benzene

Concen: 1.507 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

EP-104

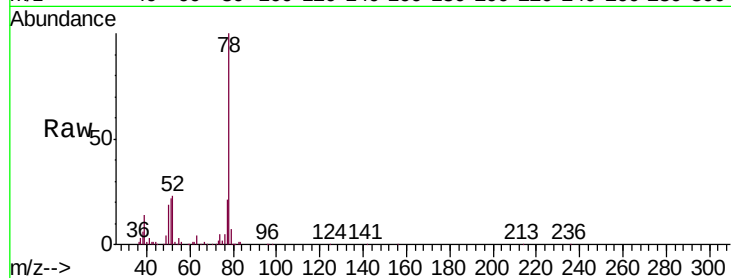
Tgt Ion: 78 Resp: 261807

Ion Ratio Lower Upper

78 100

77 20.7 19.5 29.3

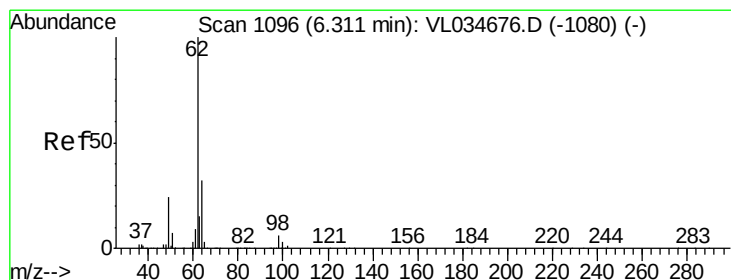
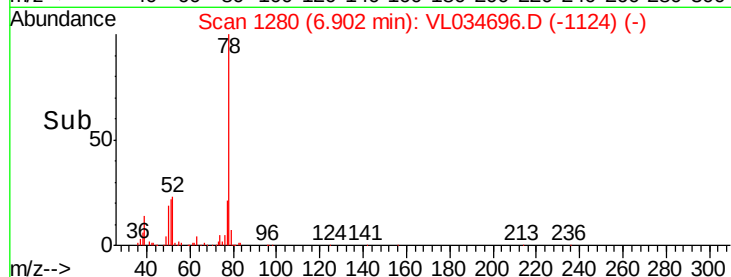
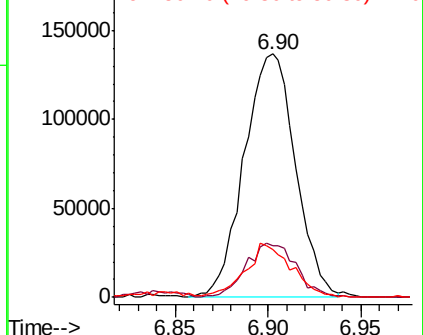
50 19.3 14.6 21.8



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.028 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL034696.D

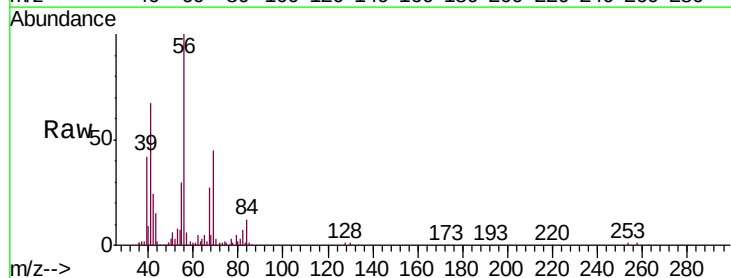
Acq: 26 Feb 2020 20:34

Tgt Ion: 62 Resp: 3097

Ion Ratio Lower Upper

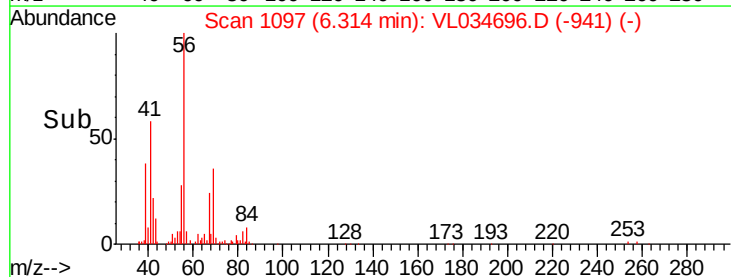
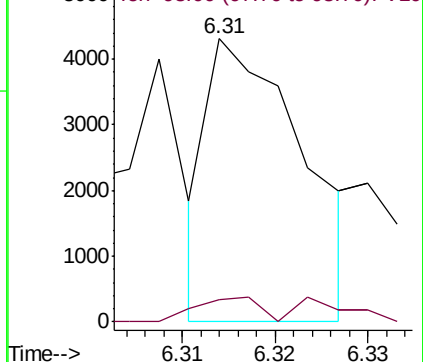
62 100

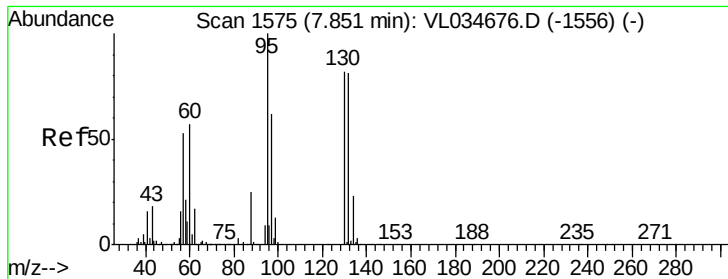
98 0.0 4.7 7.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.046 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

EP-104

Tgt Ion:130 Resp: 3058

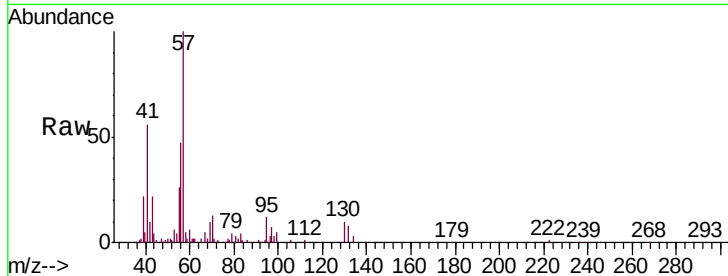
Ion Ratio Lower Upper

130 100

95 96.4 97.1 145.7#

132 53.0 78.3 117.5#

97 34.0 60.1 90.1#

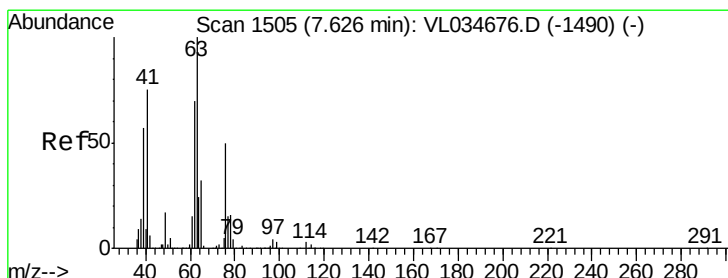
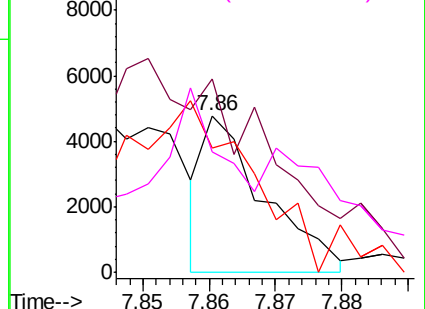
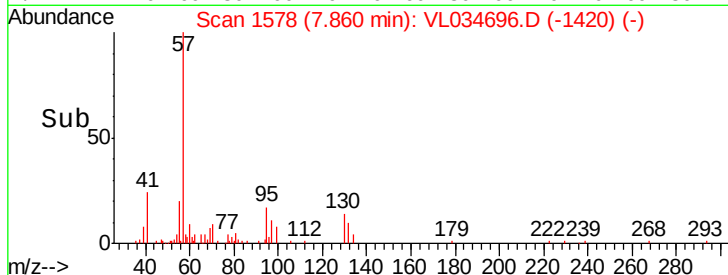


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.278 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

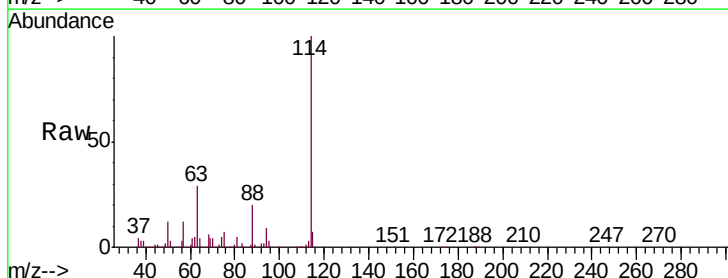
Tgt Ion: 63 Resp: 572018

Ion Ratio Lower Upper

63 100

41 0.0 60.2 90.4#

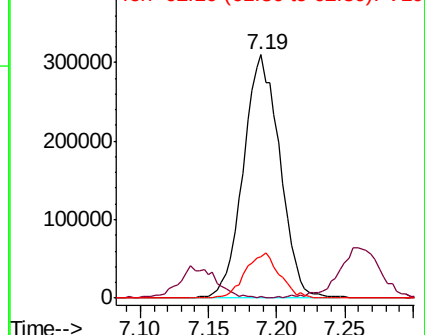
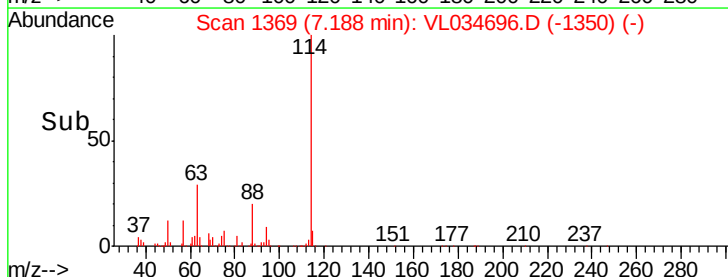
62 17.2 56.3 84.5#

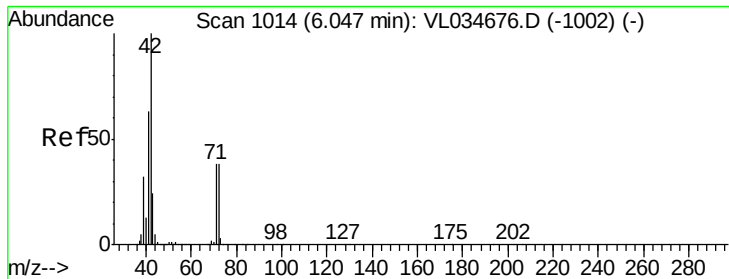


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 2.659 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampled :

EP-104

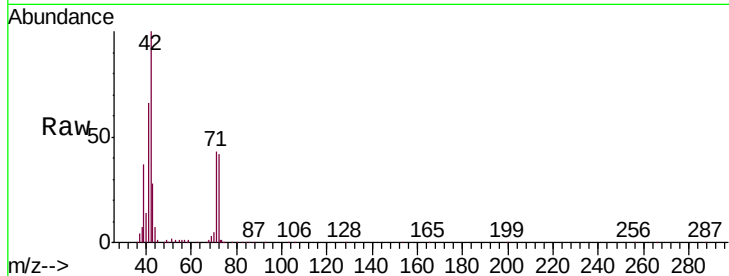
Tgt Ion: 42 Resp: 177640

Ion Ratio Lower Upper

42 100

72 41.3 31.7 47.5

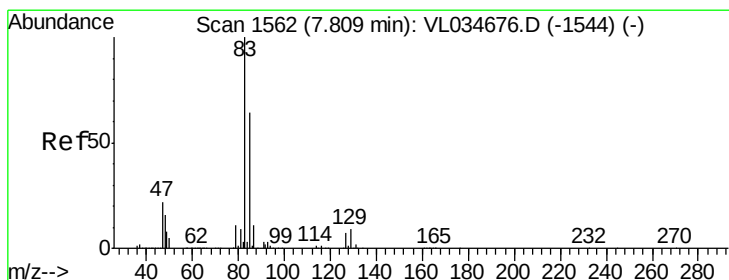
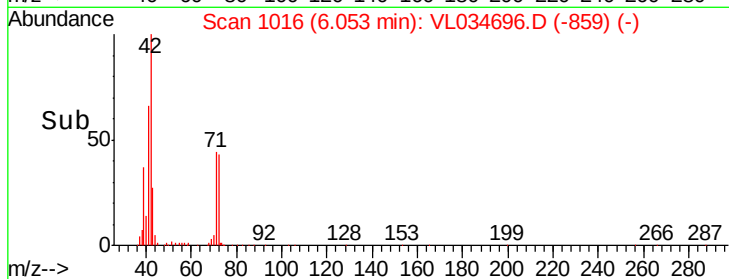
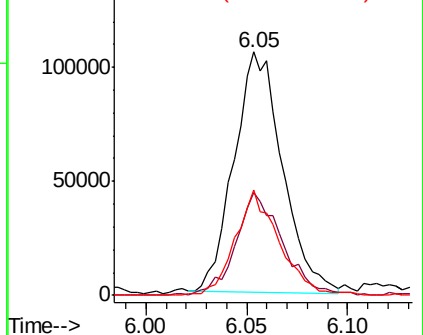
71 39.8 30.7 46.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.049 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

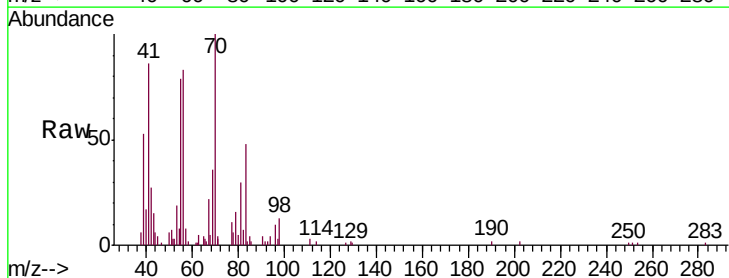
Tgt Ion: 83 Resp: 7043

Ion Ratio Lower Upper

83 100

85 12.4 51.1 76.7#

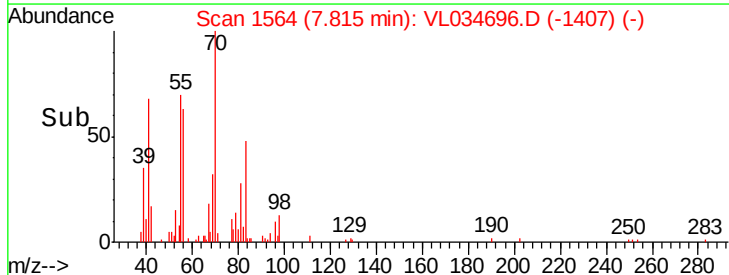
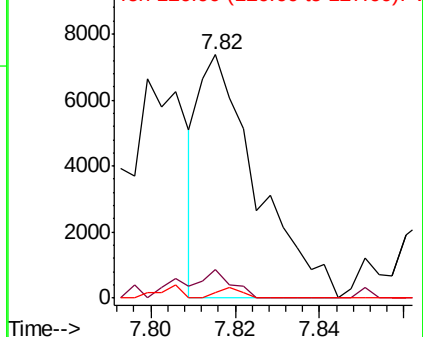
127 2.5 5.8 8.8#

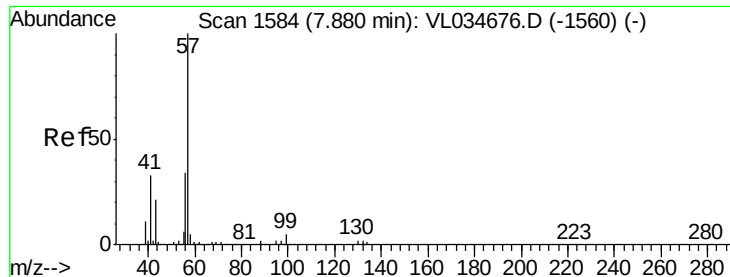


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

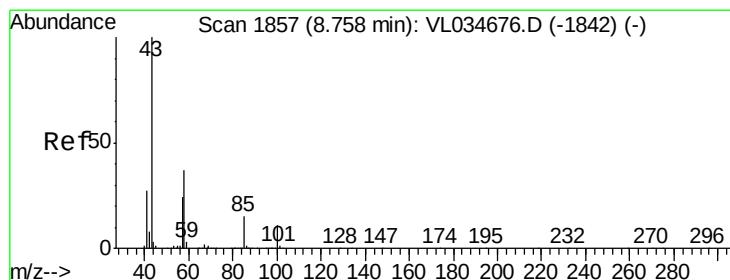
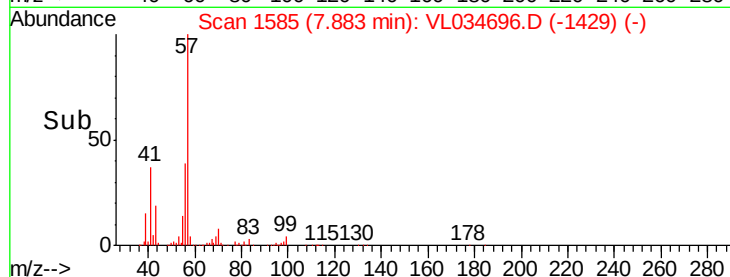
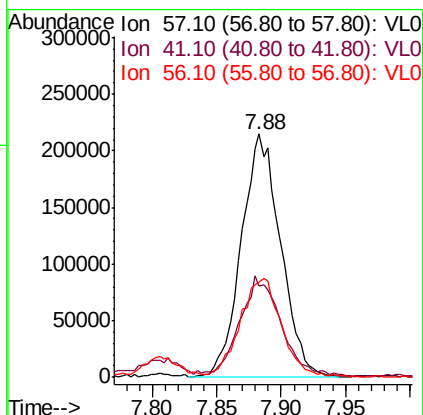
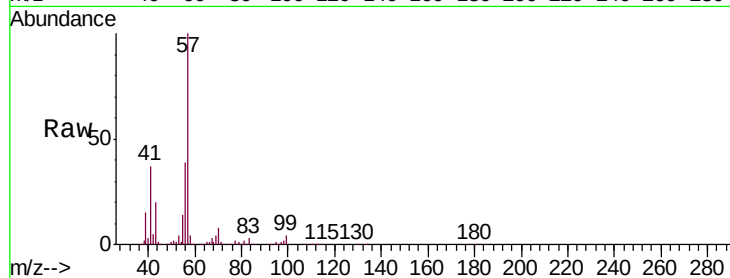




#44
 2,2,4-Trimethylpentane
 Concen: 1.495 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VL034696.D
 Acq: 26 Feb 2020 20:34

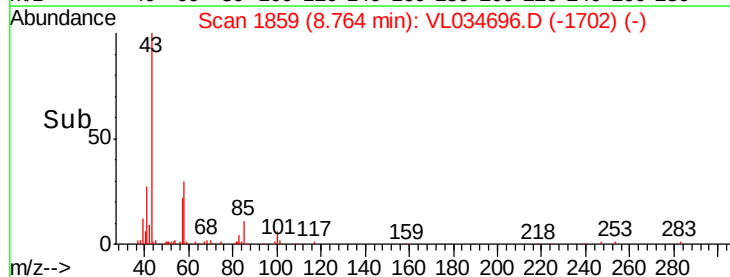
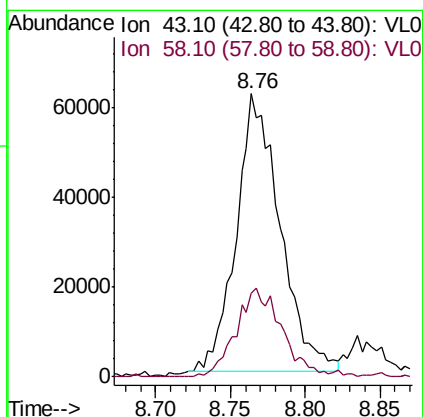
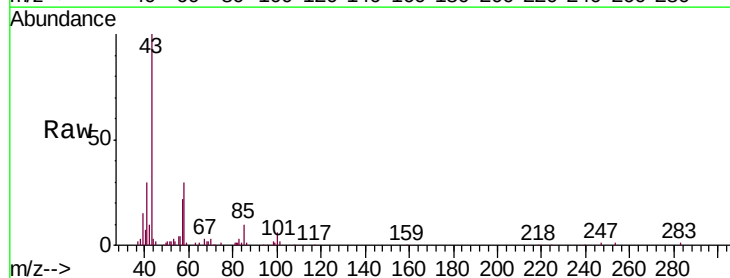
Instrument :
 MSVOA_L
 ClientSampleID :
 EP-104

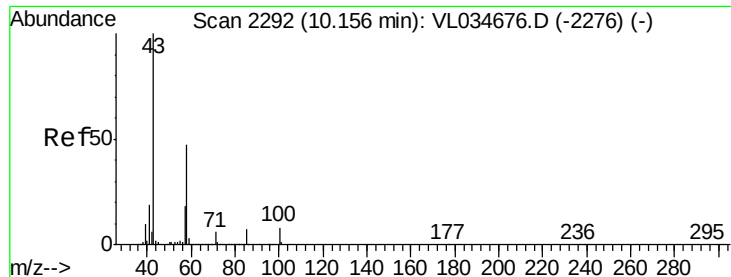
Tgt Ion: 57 Resp: 453744
 Ion Ratio Lower Upper
 57 100
 41 43.9 26.0 39.0#
 56 43.7 25.6 38.4#



#50
 4-Methyl-2-Pentanone
 Concen: 0.708 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VL034696.D
 Acq: 26 Feb 2020 20:34

Tgt Ion: 43 Resp: 126851
 Ion Ratio Lower Upper
 43 100
 58 33.6 29.0 43.6

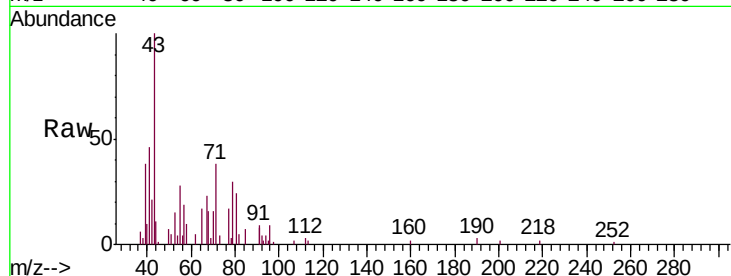




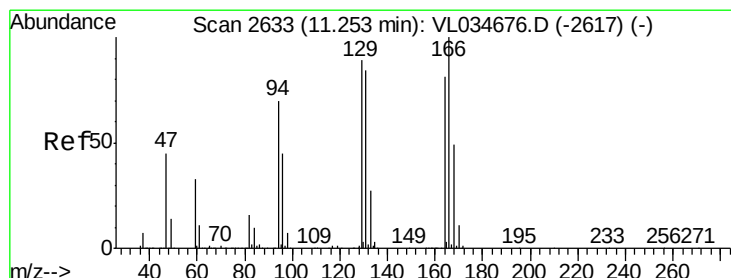
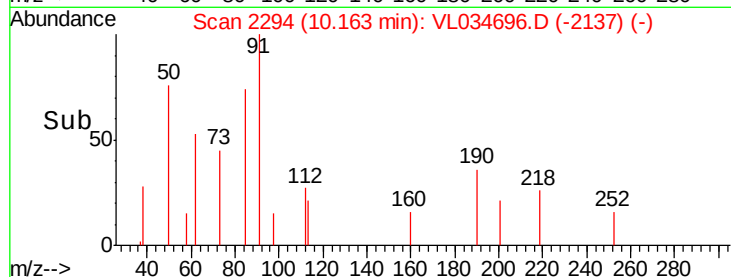
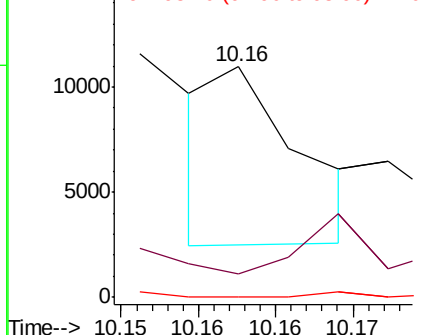
#51
2-Hexanone
Concen: 0.023 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.0#
98 0.0 0.2 0.2#

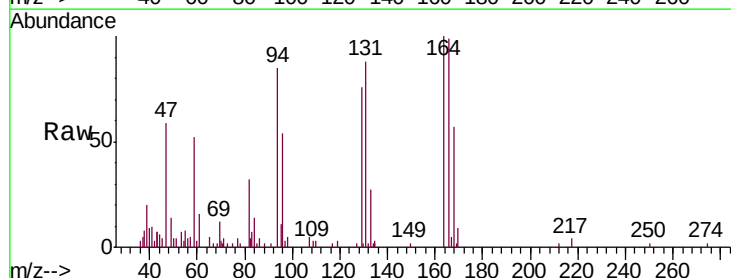


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

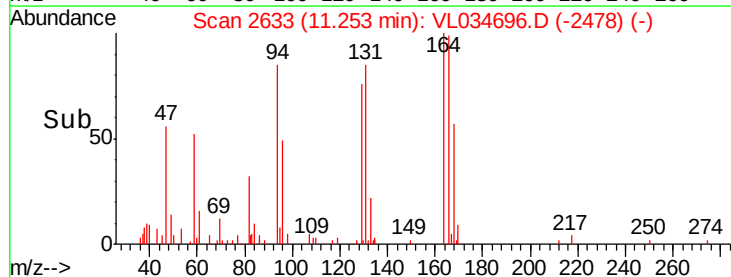
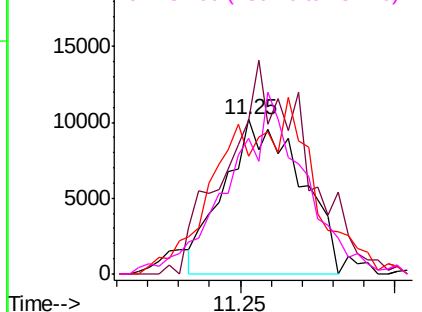


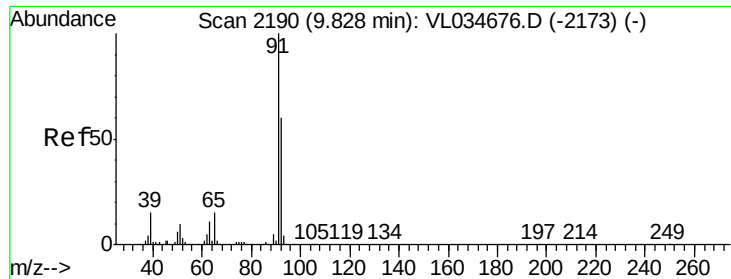
#52
Tetrachloroethene
Concen: 0.274 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

Tgt Ion: 164 Resp: 17412
Ion Ratio Lower Upper
164 100
166 69.5 99.2 148.8#
129 51.7 88.0 132.0#
131 67.1 83.7 125.5#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.384 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

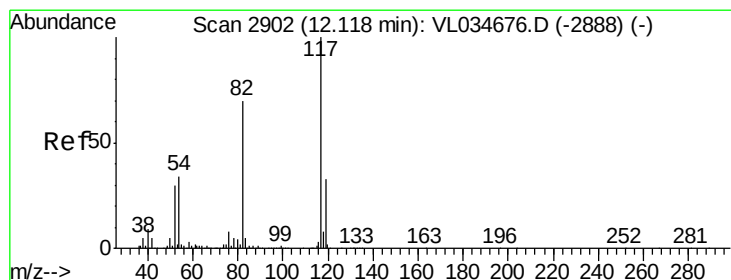
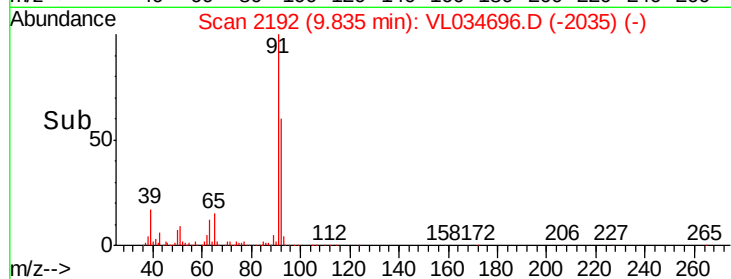
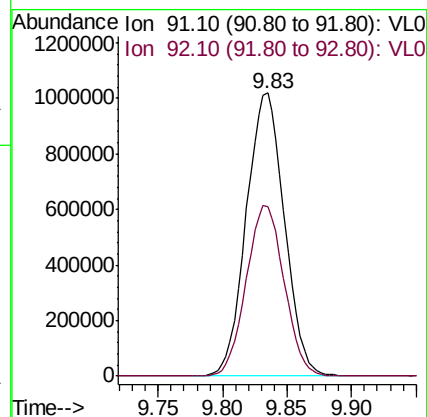
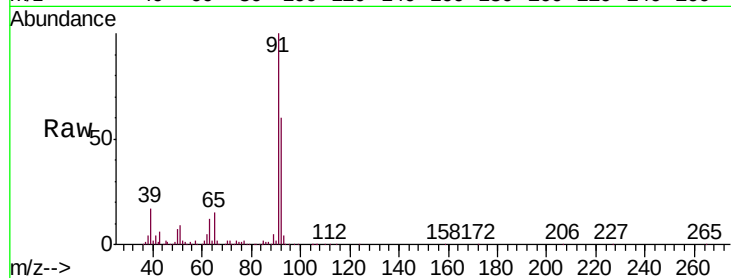
EP-104

Tgt Ion: 91 Resp: 2103004

Ion Ratio Lower Upper

91 100

92 60.2 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

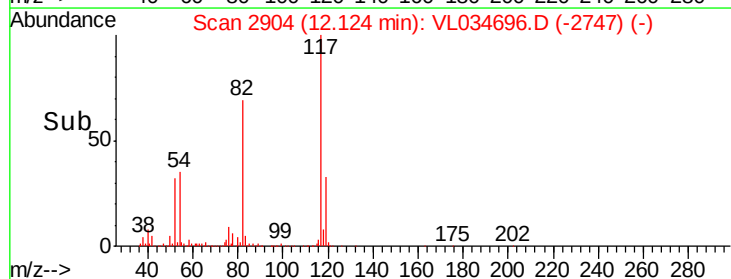
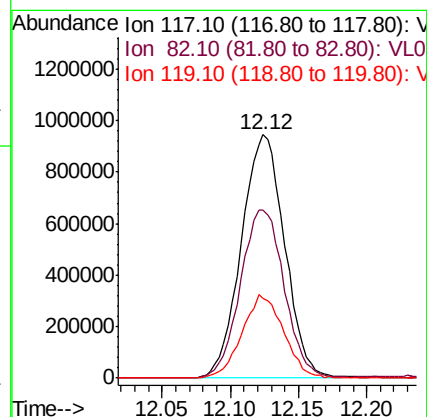
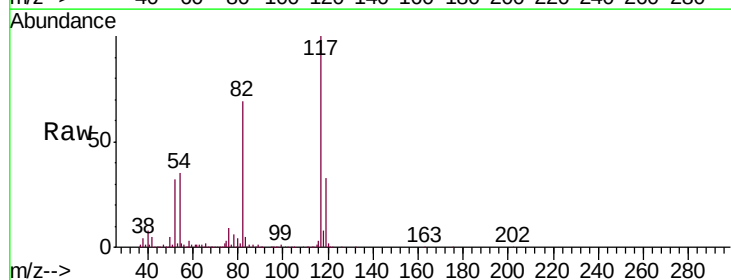
Tgt Ion: 117 Resp: 2082483

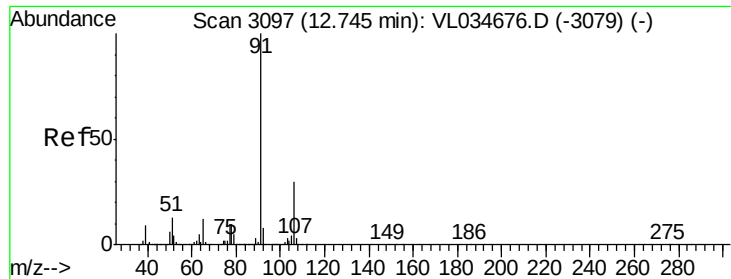
Ion Ratio Lower Upper

117 100

82 70.2 54.1 81.1

119 32.9 27.6 41.4





#58

Ethyl Benzene

Concen: 2.056 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampled :

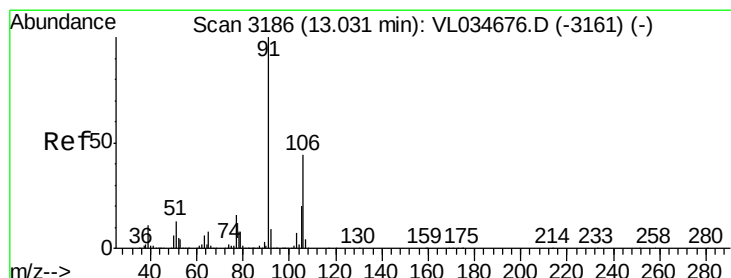
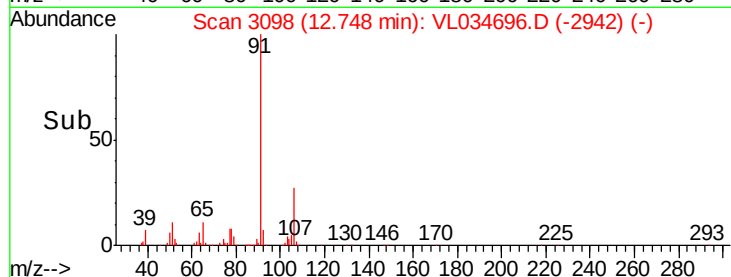
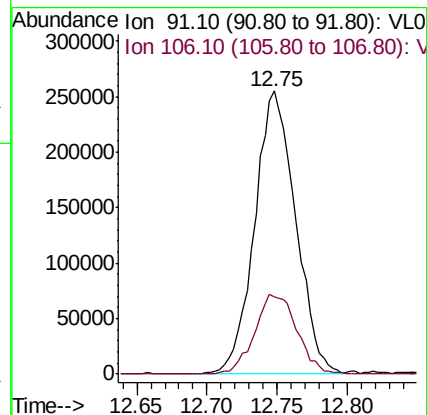
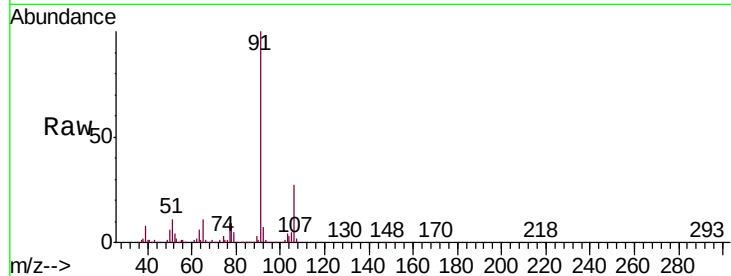
EP-104

Tgt Ion: 91 Resp: 518088

Ion Ratio Lower Upper

91 100

106 27.3 24.0 36.0



#59

m/p-Xylene

Concen: 7.116 ppbv

RT: 13.00 min Scan# 3178

Delta R.T. -0.03 min

Lab File: VL034696.D

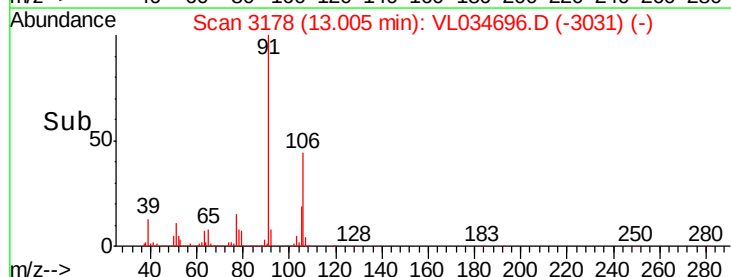
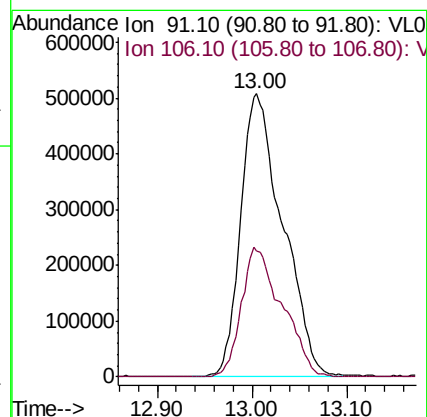
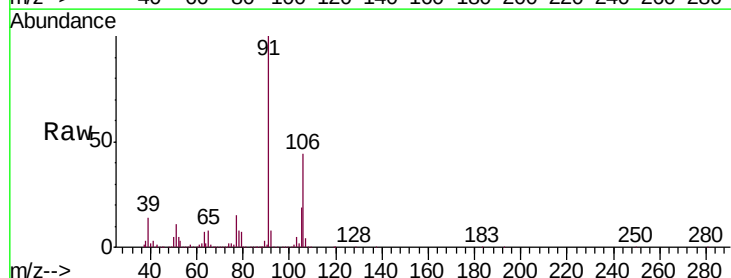
Acq: 26 Feb 2020 20:34

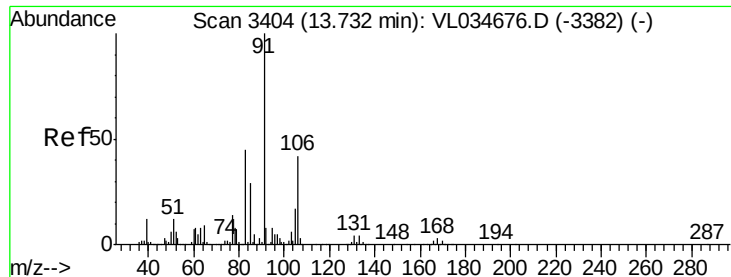
Tgt Ion: 91 Resp: 1563751

Ion Ratio Lower Upper

91 100

106 44.6 35.6 53.4

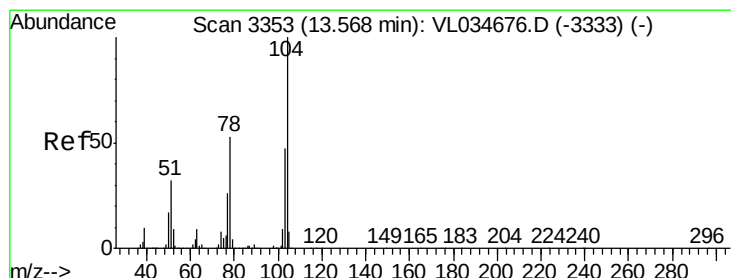
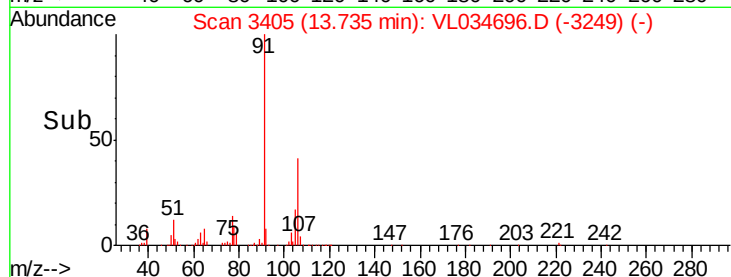
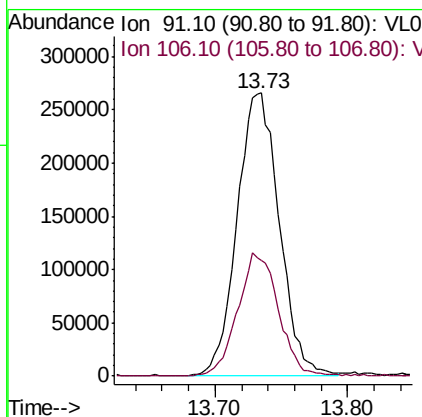
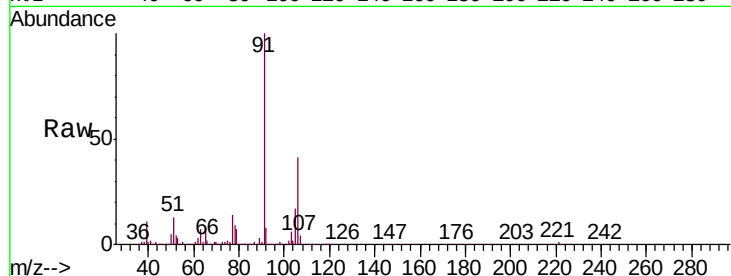




#60
o-Xylene
Concen: 2.690 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

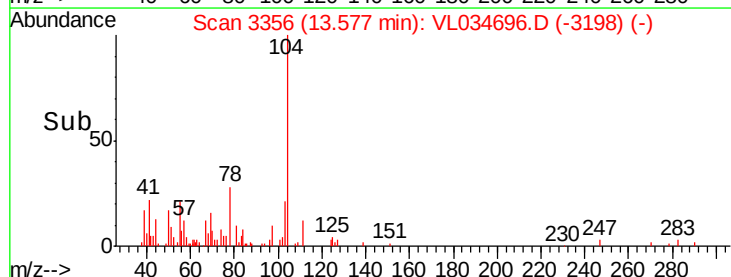
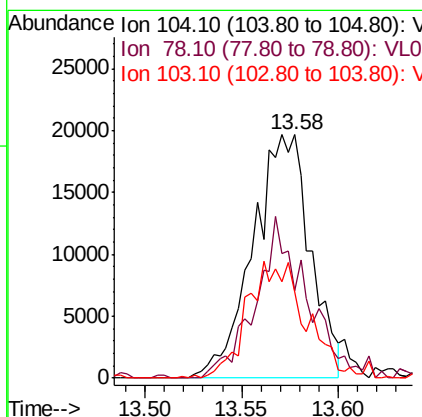
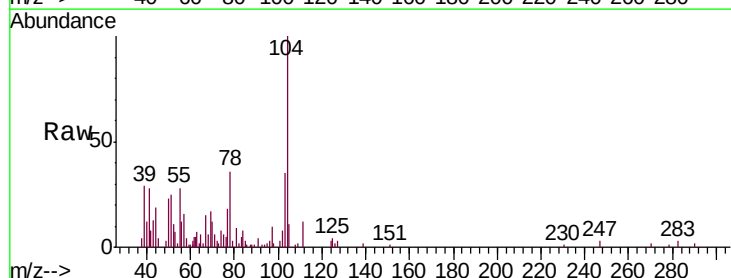
Instrument :
MSVOA_L
ClientSampleId :
EP-104

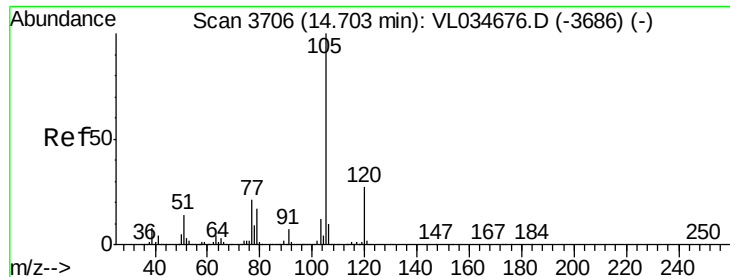
Tgt Ion: 91 Resp: 586567
Ion Ratio Lower Upper
91 100
106 42.3 21.9 65.5



#61
Styrene
Concen: 0.290 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.01 min
Lab File: VL034696.D
Acq: 26 Feb 2020 20:34

Tgt Ion: 104 Resp: 40638
Ion Ratio Lower Upper
104 100
78 60.1 44.2 66.4
103 49.1 37.4 56.0





#62

Isopropylbenzene

Concen: 0.063 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampleId :

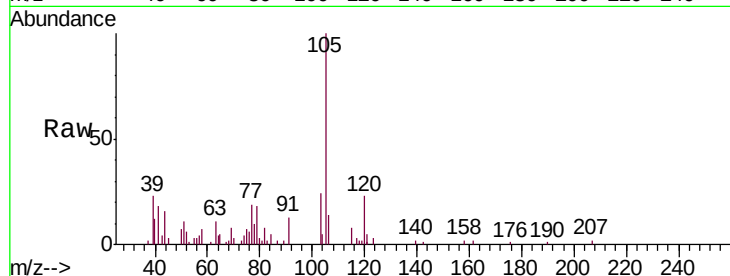
EP-104

Tgt Ion:105 Resp: 20028

Ion Ratio Lower Upper

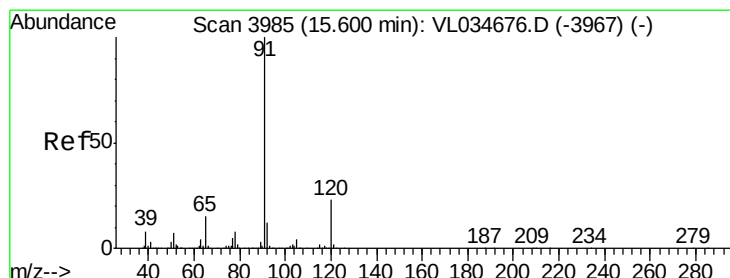
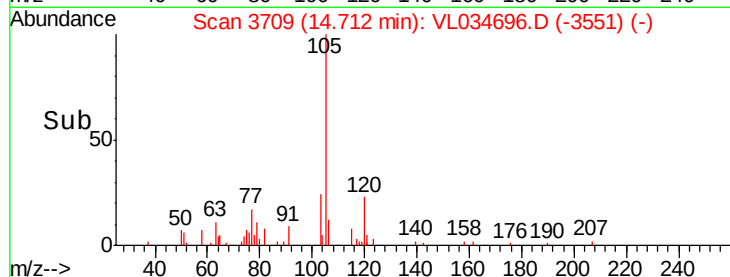
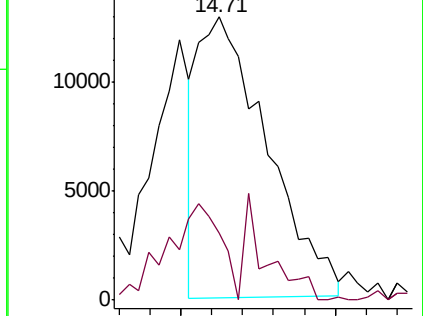
105 100

120 41.1 20.2 30.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.131 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VL034696.D

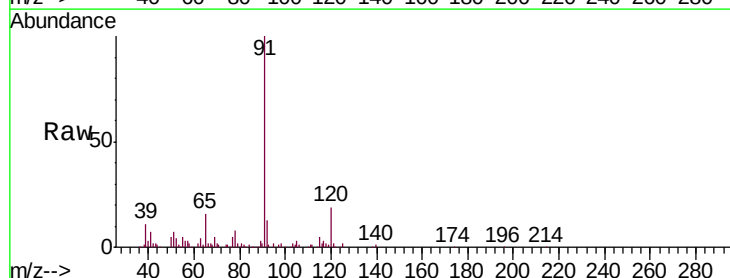
Acq: 26 Feb 2020 20:34

Tgt Ion:120 Resp: 10776

Ion Ratio Lower Upper

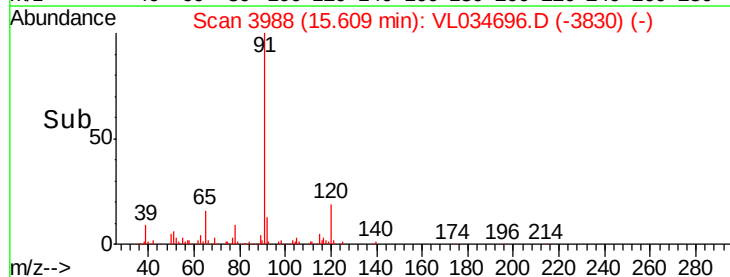
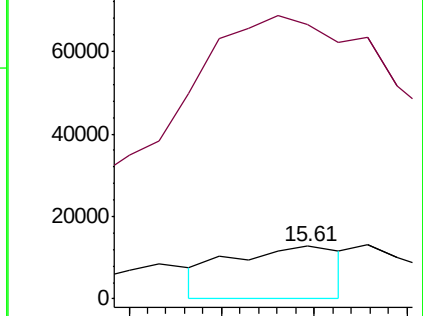
120 100

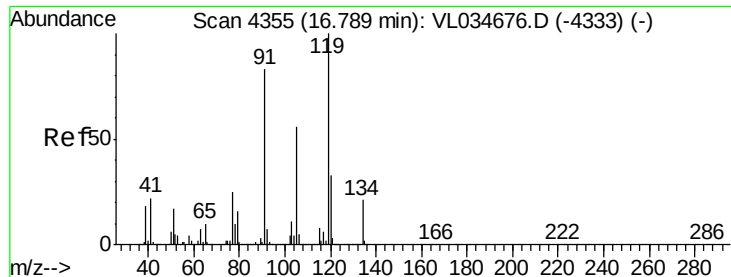
91 1519.0 369.8 554.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.280 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.02 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampled :

EP-104

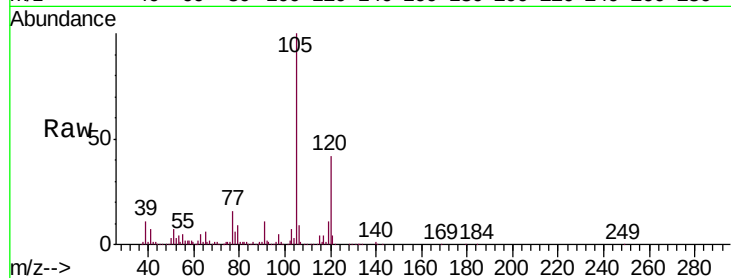
Tgt Ion: 119 Resp: 76775

Ion Ratio Lower Upper

119 100

91 115.5 69.1 103.7#

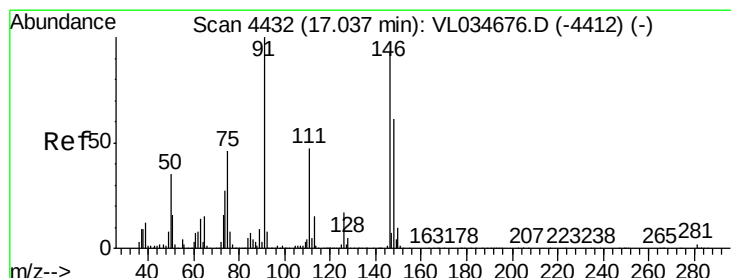
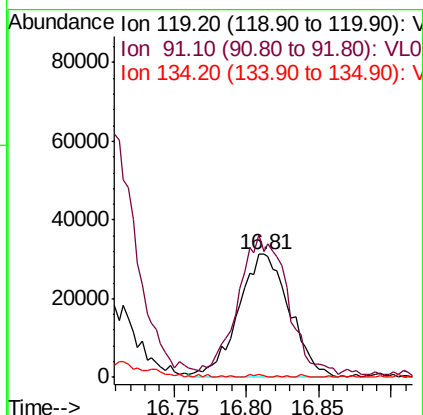
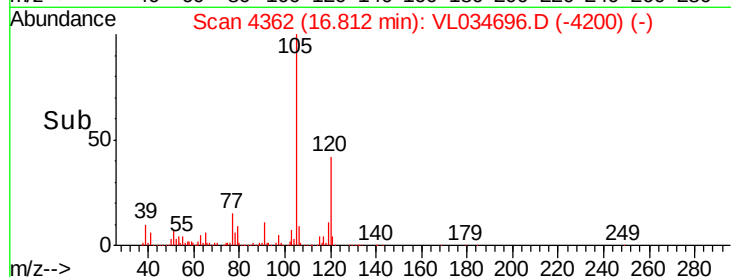
134 0.0 15.8 23.8#



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



#66

Benzyl Chloride

Concen: 0.376 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.22 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

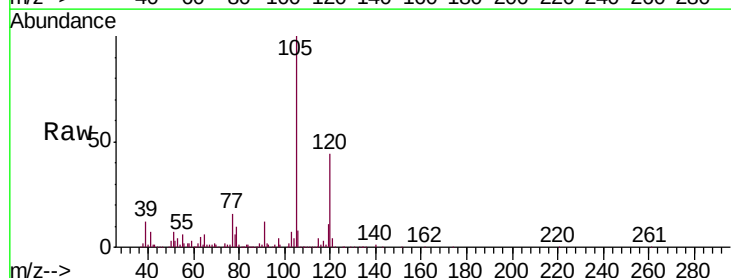
Tgt Ion: 91 Resp: 38514

Ion Ratio Lower Upper

91 100

126 20.7 13.5 20.3#

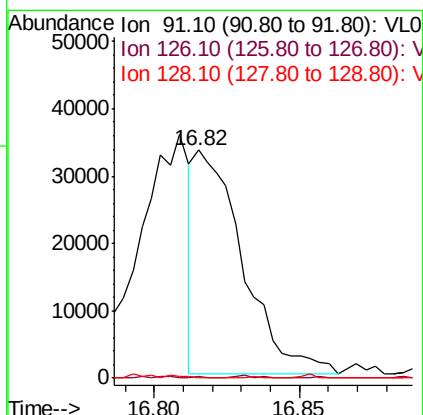
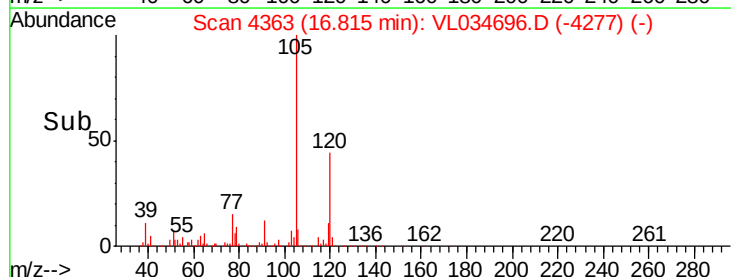
128 0.6 4.2 6.4#

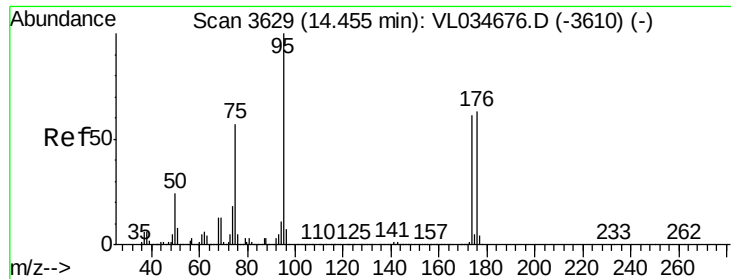


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.983 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

Instrument :

MSVOA_L

ClientSampled :

EP-104

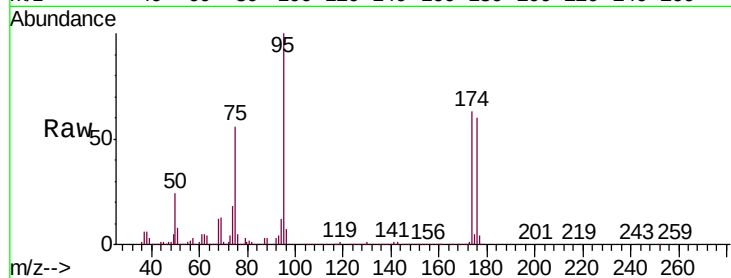
Tgt Ion: 95 Resp: 1704736

Ion Ratio Lower Upper

95 100

174 65.4 50.7 76.1

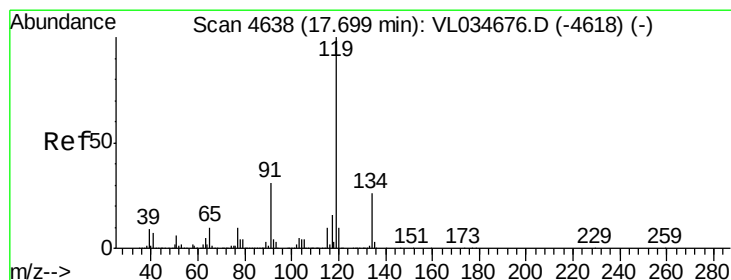
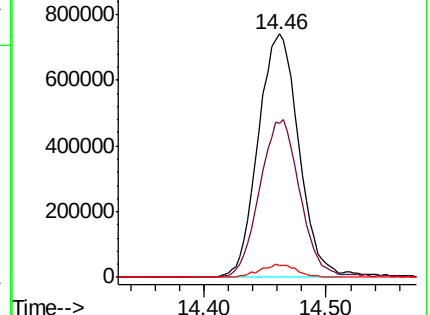
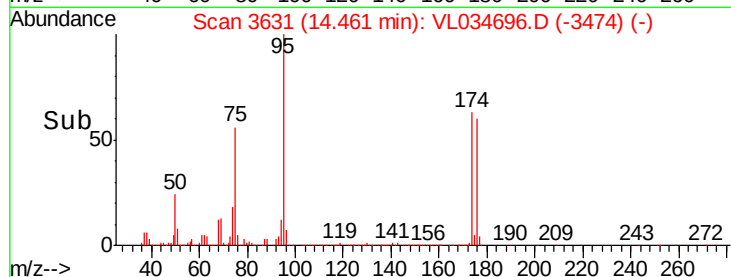
175 4.8 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 2.502 ppbv

RT: 17.71 min Scan# 4640

Delta R.T. 0.01 min

Lab File: VL034696.D

Acq: 26 Feb 2020 20:34

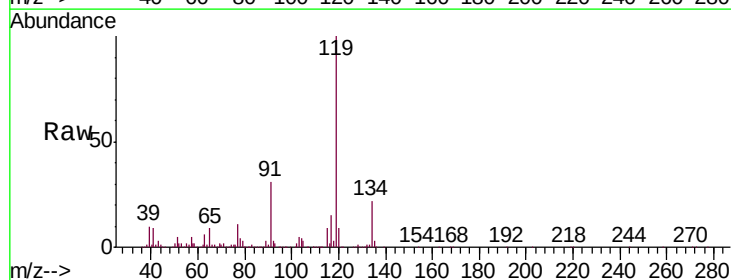
Tgt Ion: 119 Resp: 814123

Ion Ratio Lower Upper

119 100

134 25.2 20.6 31.0

91 31.8 25.3 37.9



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

