

Data File : VL034741.D
Acq On : 28 Feb 2020 17:49
Operator : SY/AP
Sample : L1704-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

Quant Time: Mar 02 04:33:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1106384	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	2266011	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	2283814	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1945829	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	47207	0.270	ppbv #	84
3) Chlorodifluoromethane	2.93	51	169590	1.420	ppbv #	69
4) Chloromethane	3.11	50	42485	0.636	ppbv	91
6) Bromomethane	3.45	94	2190	0.057	ppbv	89
9) Propene	2.98	41	173649	3.479	ppbv	85
10) Heptane	8.15	43	7405511	57.646	ppbv	94
11) Trichlorofluoromethane	3.93	101	41832	0.274	ppbv	90
13) Ethanol	3.62	45	698186	44.281	ppbv	95
15) Acetone	3.85	43	23309169	184.886	ppbv #	24
16) 1,3-Butadiene	3.33	39	645608	11.062	ppbv #	7
17) tert-Butyl alcohol	4.31	59	65651	0.680	ppbv #	1
19) Isopropyl Alcohol	3.99	45	182989	2.437	ppbv #	94
20) Methylene Chloride	4.36	84	101052	2.155	ppbv #	94
21) Allyl Chloride	4.35	41	59978	0.719	ppbv #	46
23) Vinyl Acetate	5.09	43	1059960	6.184	ppbv #	85
25) Ethyl Acetate	5.69	43	805602	3.610	ppbv #	84
26) Hexane	5.68	57	913957	8.885	ppbv #	49
30) Cyclohexane	7.15	84	596451	7.482	ppbv	95
34) 2-Butanone	5.26	43	67629	0.474	ppbv #	43
35) Carbon Tetrachloride	7.05	117	4976	0.033	ppbv #	39
36) Benzene	6.92	78	177791	0.908	ppbv	96
37) 1,2-Dichloroethane	6.33	62	2664	0.022	ppbv #	82
39) 1,2-Dichloropropane	7.52	63	50612	0.650	ppbv #	1
41) Tetrahydrofuran	6.08	42	9019	0.120	ppbv #	26
42) Bromodichloromethane	7.82	83	215868	1.336	ppbv #	27
43) Methyl Methacrylate	8.12	69	7323	0.089	ppbv #	1
44) 2,2,4-Trimethylpentane	7.90	57	331715	0.970	ppbv #	1
50) 4-Methyl-2-Pentanone	8.79	43	84215	0.417	ppbv	94
51) 2-Hexanone	10.14	43	94592	0.595	ppbv #	36
53) Toluene	9.86	91	16519170	79.358	ppbv #	70
58) Ethyl Benzene	12.75	91	304403	1.102	ppbv	96
59) m/p-Xylene	13.01	91	1031323	4.279	ppbv	99
60) o-Xylene	13.73	91	342378	1.432	ppbv	97
61) Styrene	13.57	104	5618	0.037	ppbv #	33
62) Isopropylbenzene	14.72	105	7329	0.021	ppbv #	3
64) n-propylbenzene	15.61	120	3905	0.043	ppbv #	1
65) tert-Butylbenzene	16.81	119	21422	0.071	ppbv #	16
70) n-Butylbenzene	18.61	91	11341	0.029	ppbv #	1
71) 2-Chlorotoluene	15.82	91	9317	0.034	ppbv	75
72) 4-Ethyltoluene	15.89	105	93504	0.351	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.05	105	25886	0.101	ppbv	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\
Quantitation Report (Not Reviewed)

Data File : VL034741.D
Acq On : 28 Feb 2020 17:49
Operator : SY/AP
Sample : L1704-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

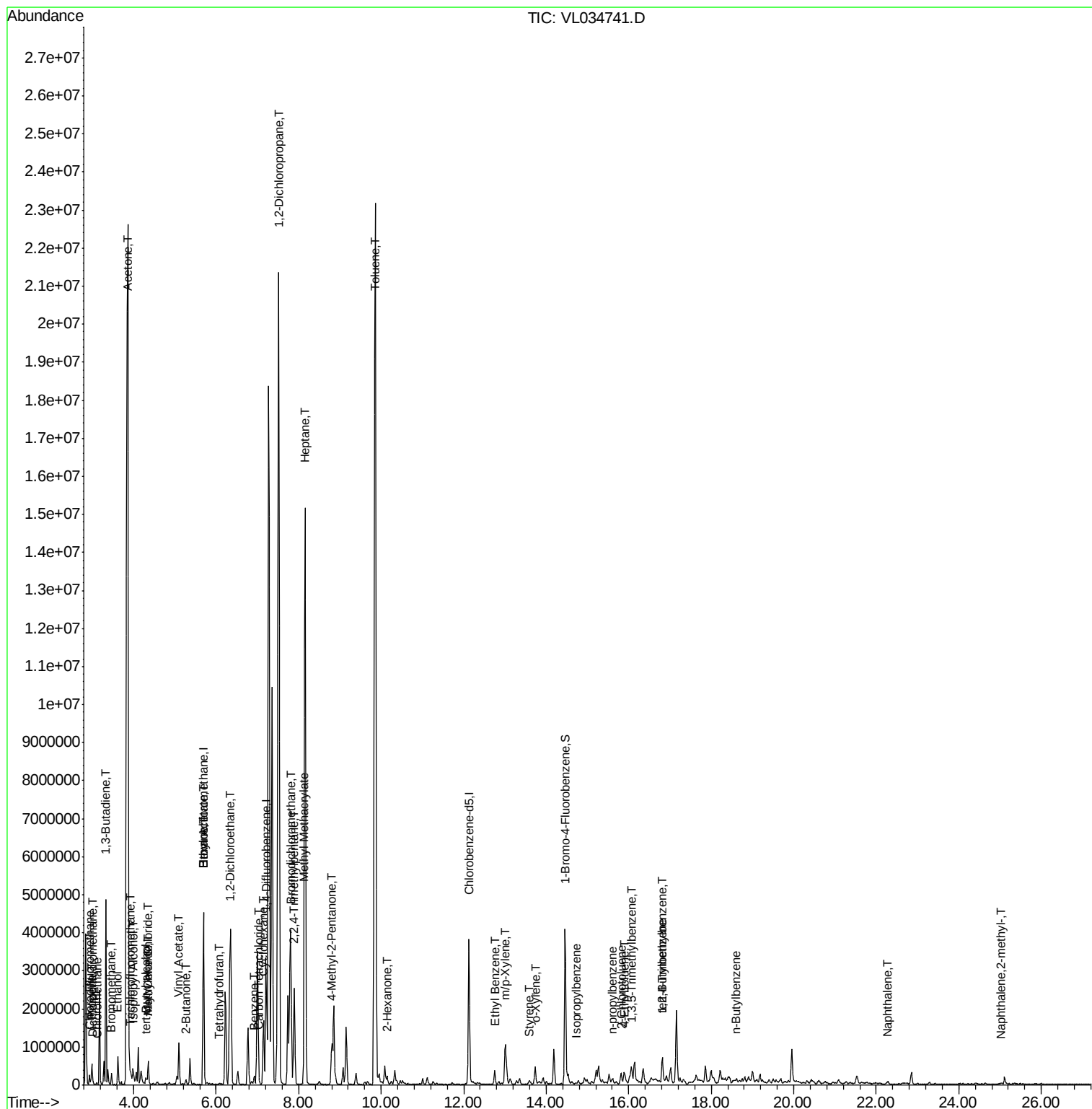
Quant Time: Mar 02 04:33:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
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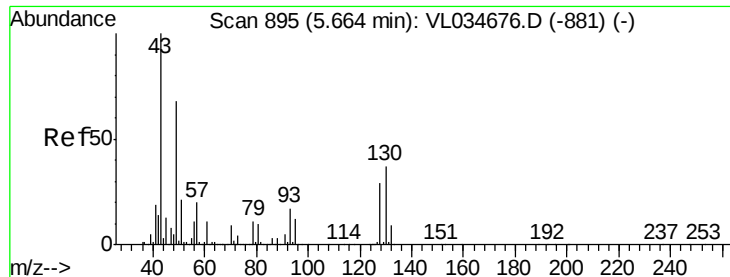
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.81	105	294065	1.040	ppbv #	63
79) Naphthalene	22.28	128	15777	0.063	ppbv #	78
80) Naphthalene,2-methyl-	25.03	142	7311	0.095	ppbv #	68

(#) = 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: 5.70 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4

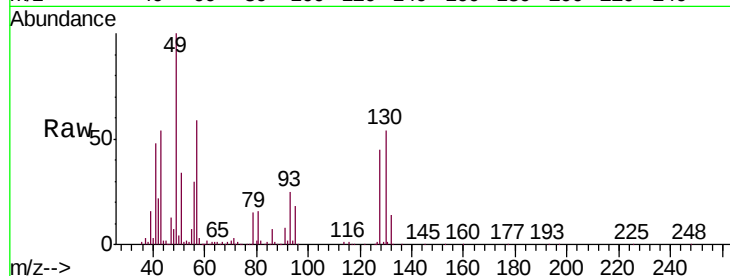
Tgt Ion: 49 Resp: 1106384

Ion Ratio Lower Upper

49 100

128 42.7 21.6 65.0

130 54.6 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

800000

600000

400000

200000

0

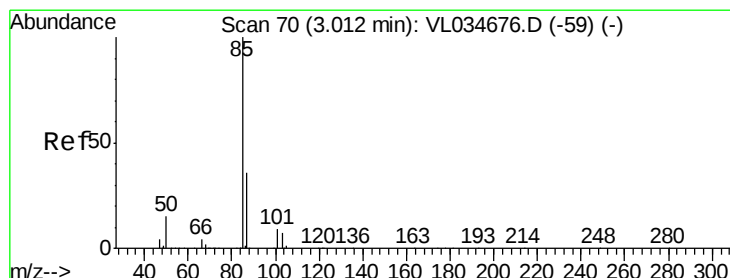
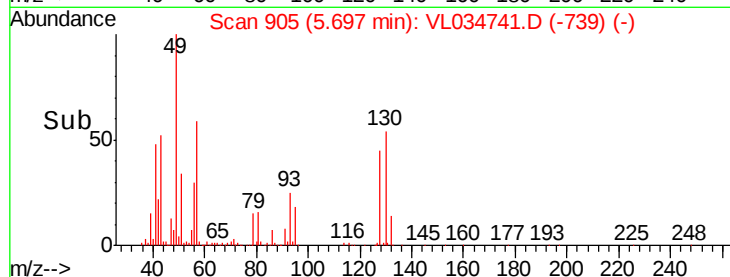
5.60

5.65

5.70

5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.270 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034741.D

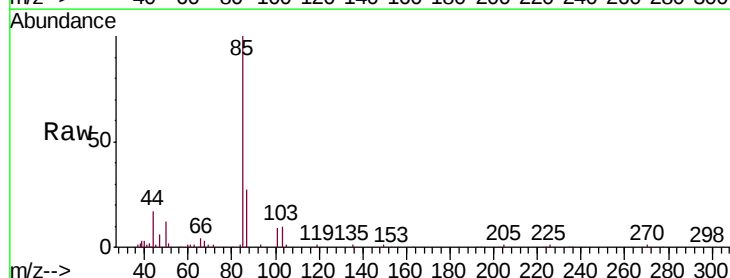
Acq: 28 Feb 2020 17:49

Tgt Ion: 85 Resp: 47207

Ion Ratio Lower Upper

85 100

87 27.2 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

30000

20000

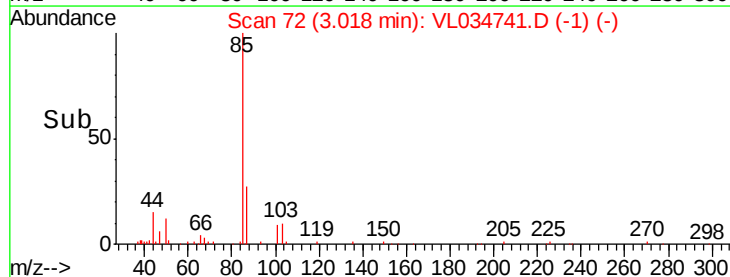
10000

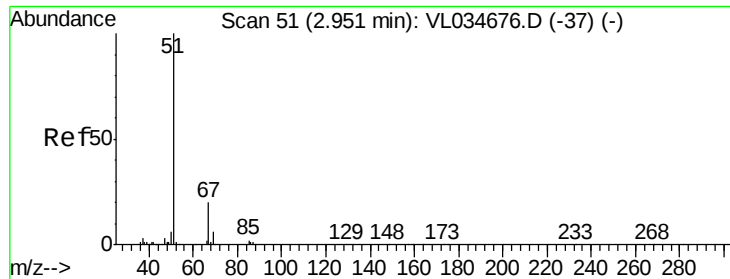
0

3.00

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 1.420 ppbv

RT: 2.93 min Scan# 45

Delta R.T. -0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampled :

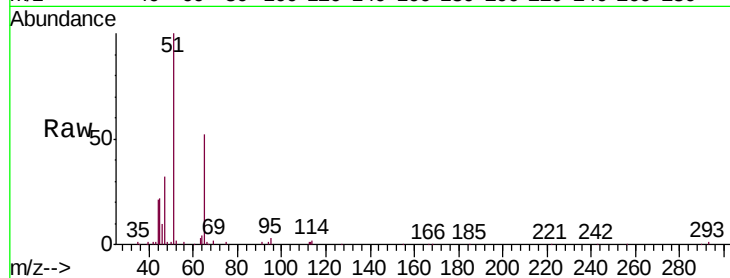
IA-2-4

Tgt Ion: 51 Resp: 169590

Ion Ratio Lower Upper

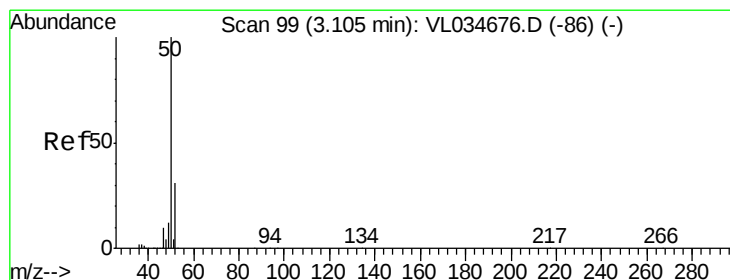
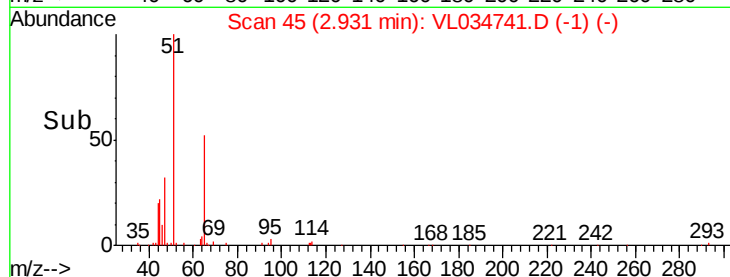
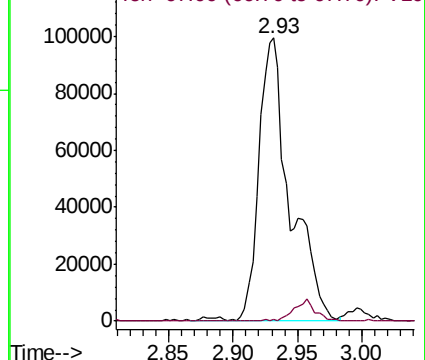
51 100

67 5.3 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: 0.636 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034741.D

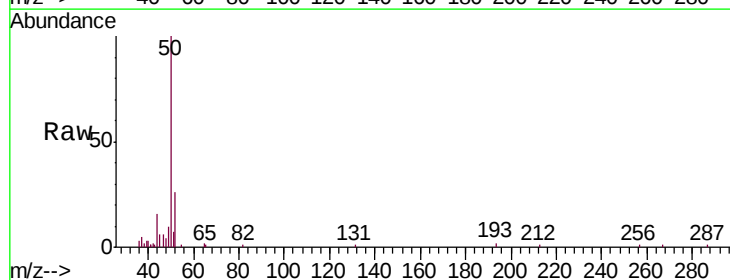
Acq: 28 Feb 2020 17:49

Tgt Ion: 50 Resp: 42485

Ion Ratio Lower Upper

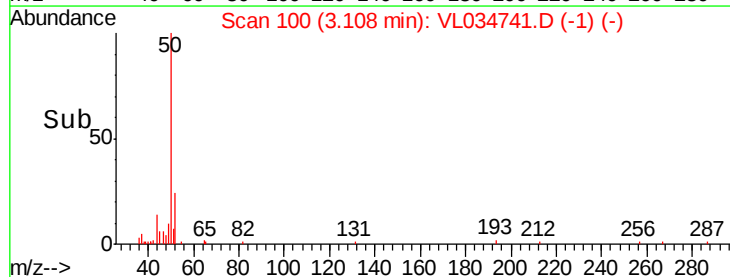
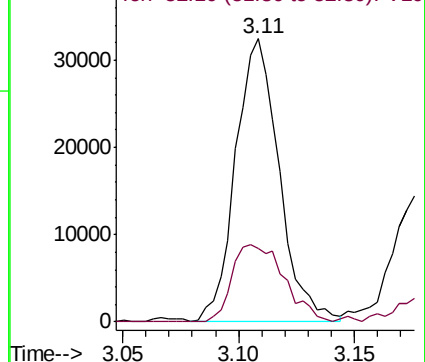
50 100

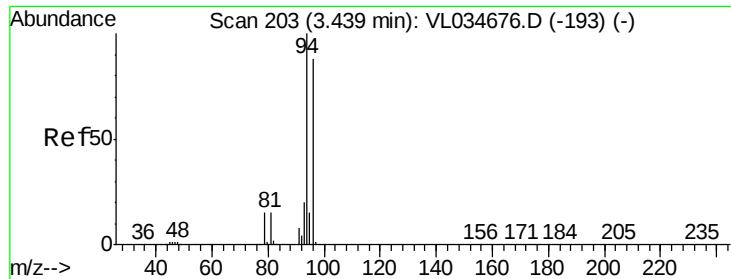
52 26.1 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.057 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

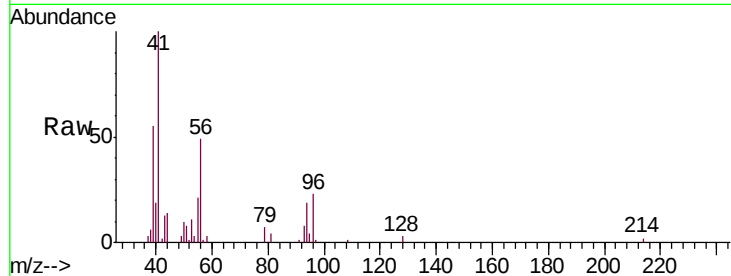
IA-2-4

Tgt Ion: 94 Resp: 2190

Ion Ratio Lower Upper

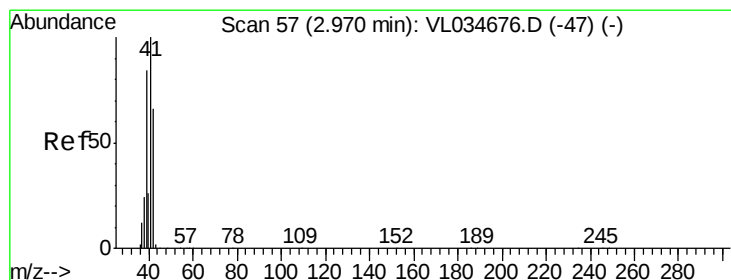
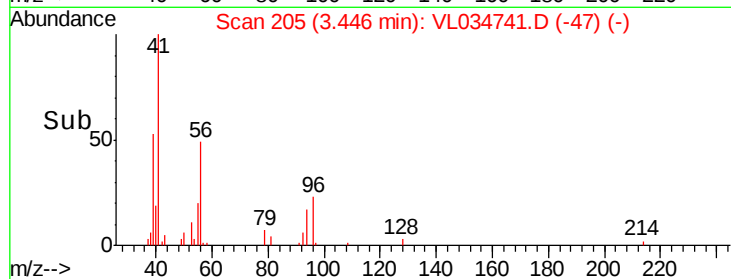
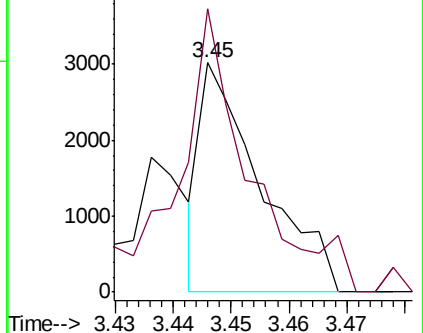
94 100

96 98.7 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#9

Propene

Concen: 3.479 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034741.D

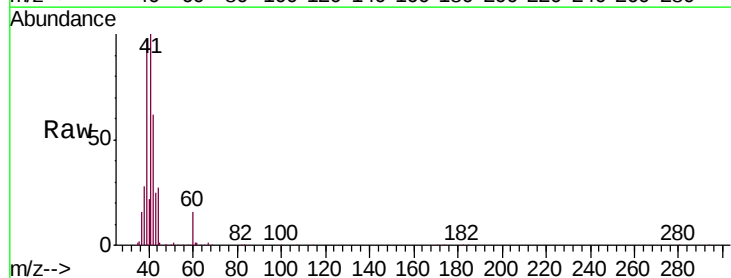
Acq: 28 Feb 2020 17:49

Tgt Ion: 41 Resp: 173649

Ion Ratio Lower Upper

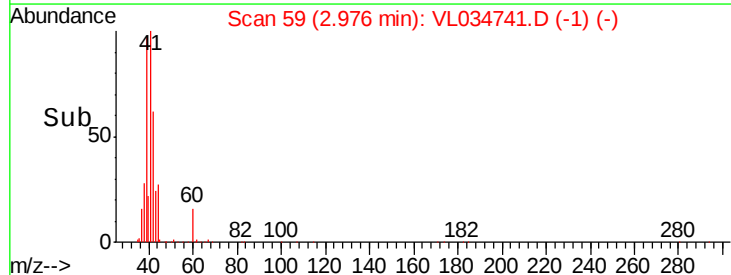
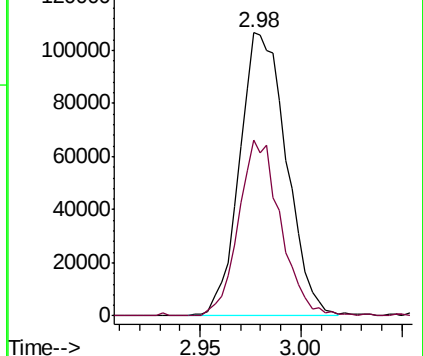
41 100

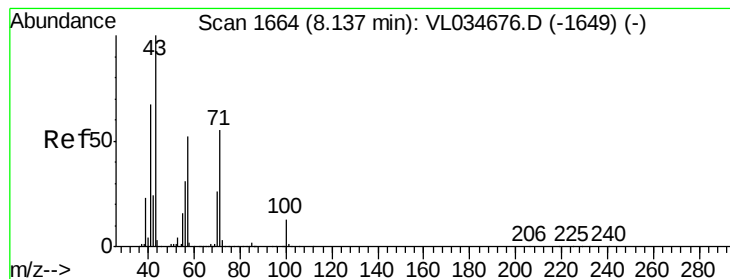
42 56.2 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 57.646 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

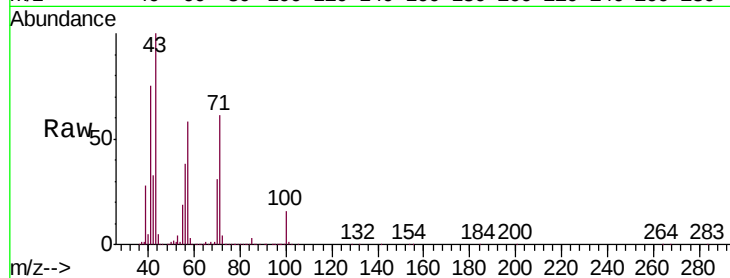
IA-2-4

Tgt Ion: 43 Resp: 7405511

Ion Ratio Lower Upper

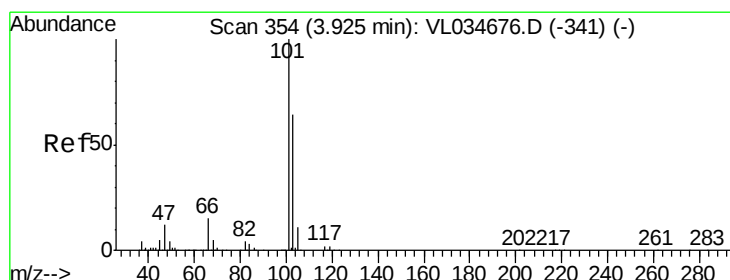
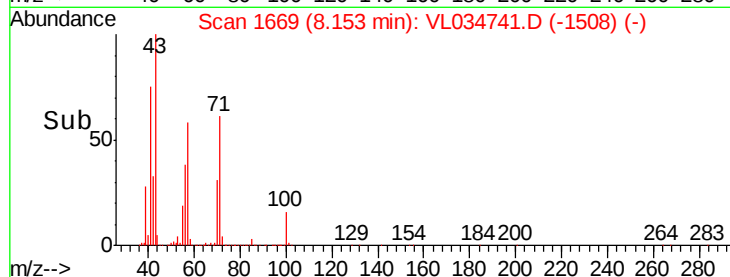
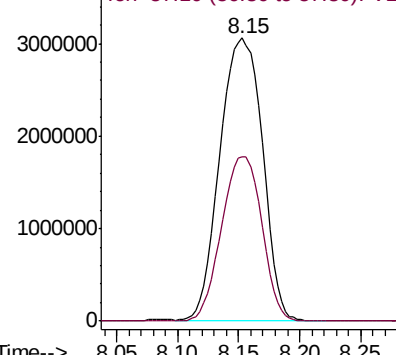
43 100

57 55.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.274 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL034741.D

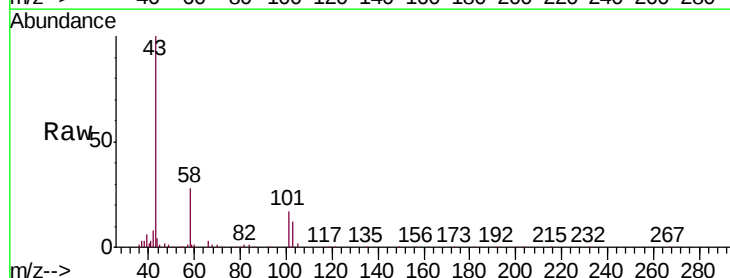
Acq: 28 Feb 2020 17:49

Tgt Ion: 101 Resp: 41832

Ion Ratio Lower Upper

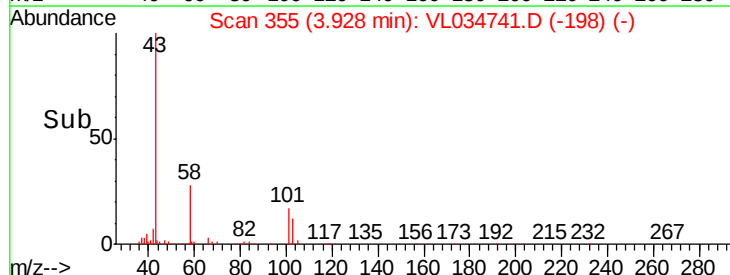
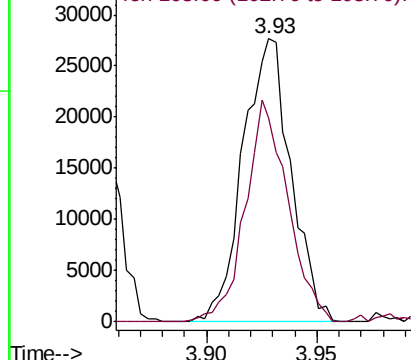
101 100

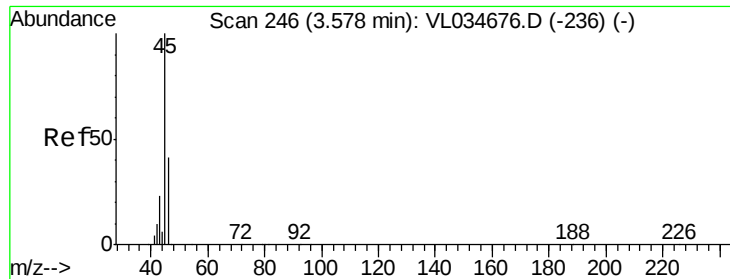
103 71.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 44.281 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.04 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

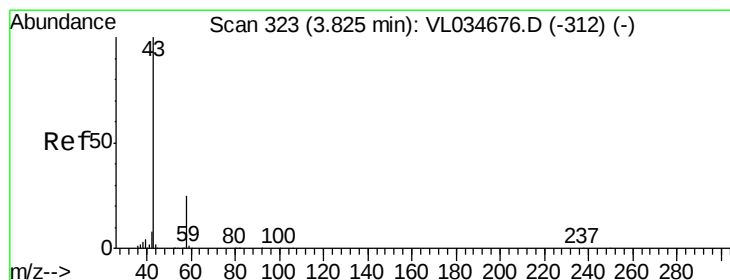
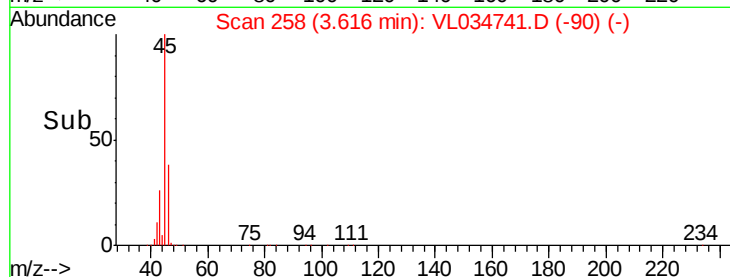
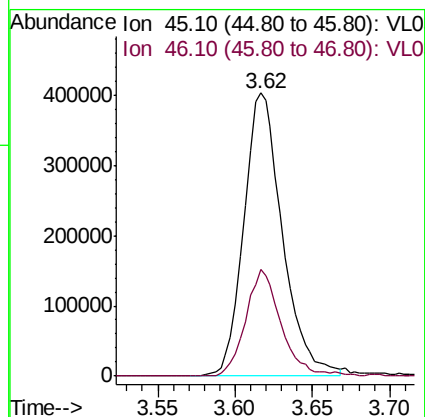
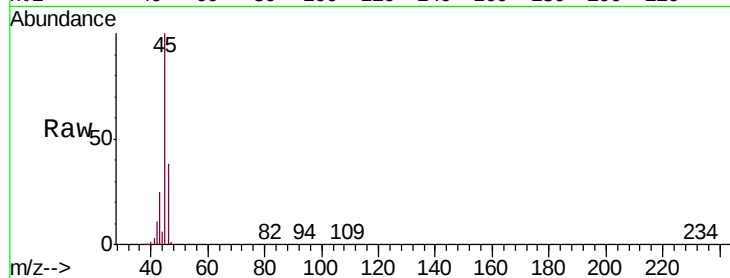
IA-2-4

Tgt Ion: 45 Resp: 698186

Ion Ratio Lower Upper

45 100

46 35.4 15.4 61.4



#15

Acetone

Concen: 184.886 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.03 min

Lab File: VL034741.D

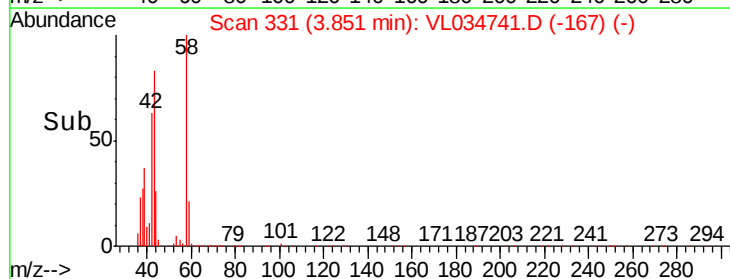
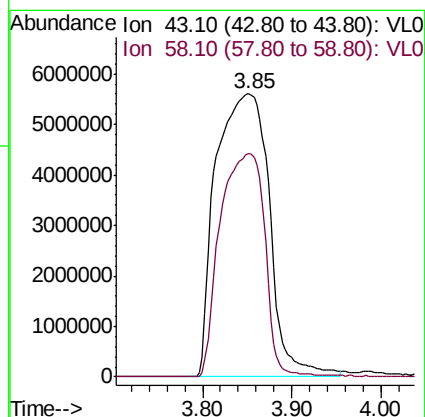
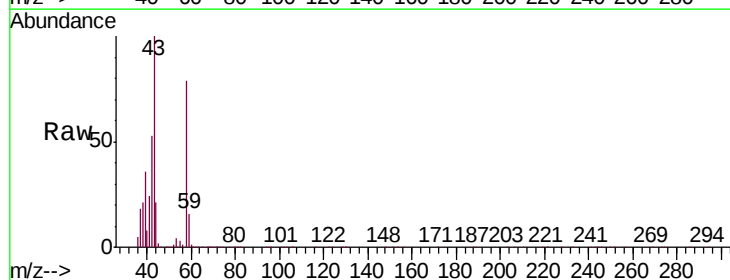
Acq: 28 Feb 2020 17:49

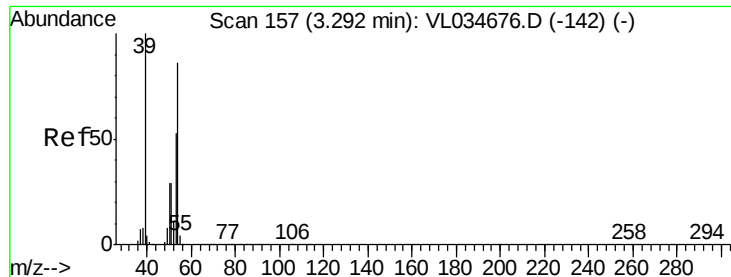
Tgt Ion: 43 Resp: 23309169

Ion Ratio Lower Upper

43 100

58 65.7 21.4 32.0#

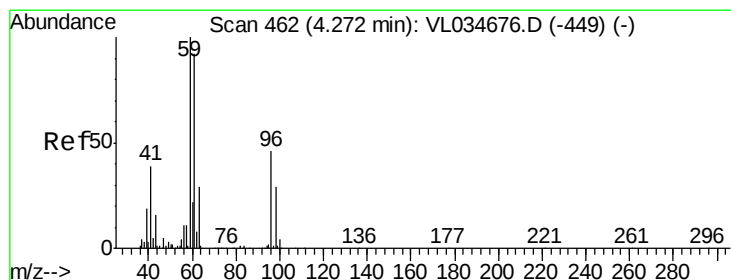
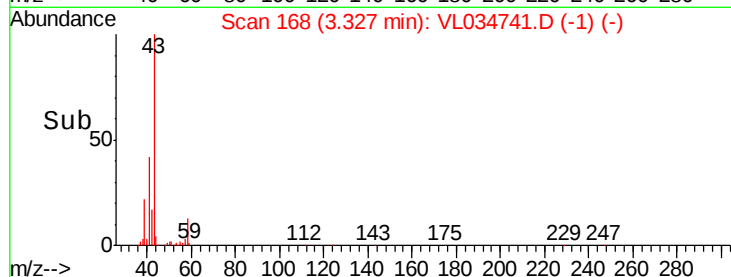
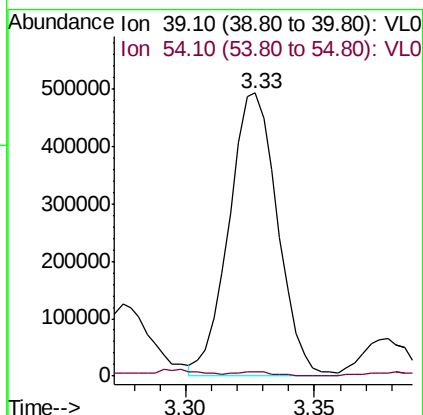
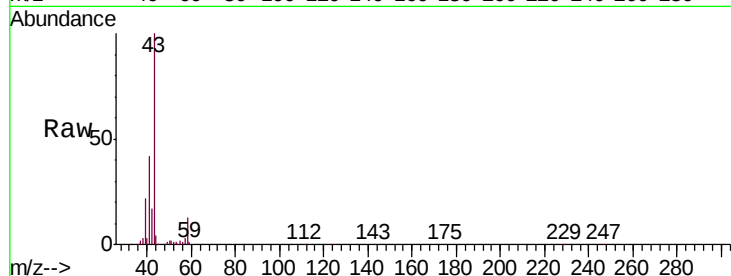




#16
 1,3-Butadiene
 Concen: 11.062 ppbv
 RT: 3.33 min Scan# 168
 Delta R.T. 0.04 min
 Lab File: VL034741.D
 Acq: 28 Feb 2020 17:49

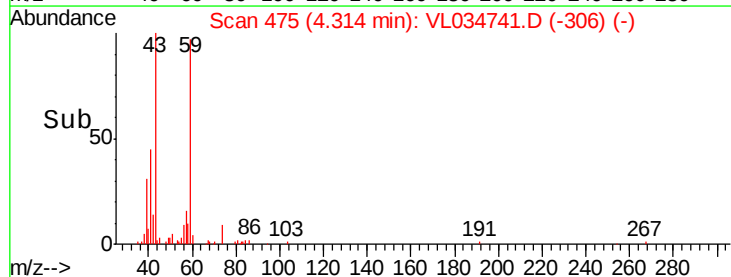
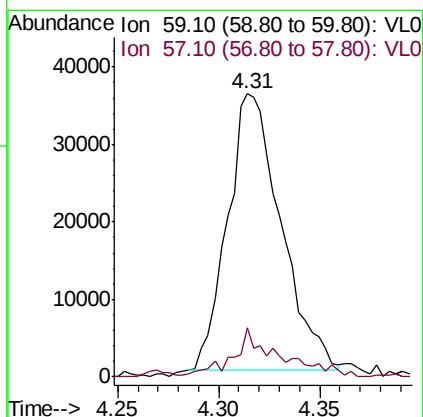
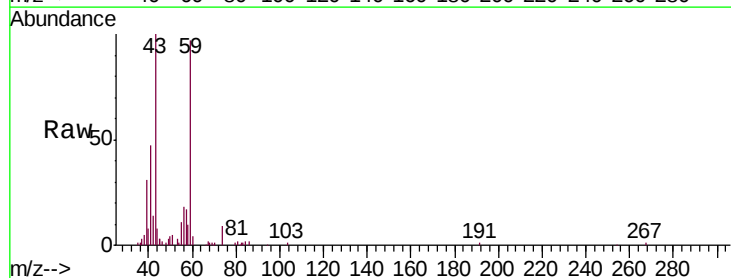
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4

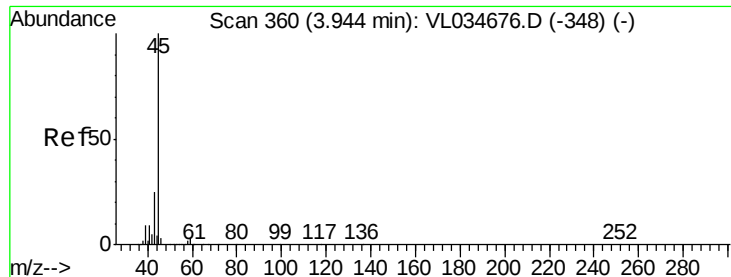
Tgt Ion: 39 Resp: 645608
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.0 100.6#



#17
 tert-Butyl alcohol
 Concen: 0.680 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.04 min
 Lab File: VL034741.D
 Acq: 28 Feb 2020 17:49

Tgt Ion: 59 Resp: 65651
 Ion Ratio Lower Upper
 59 100
 57 96.4 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 2.437 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.04 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

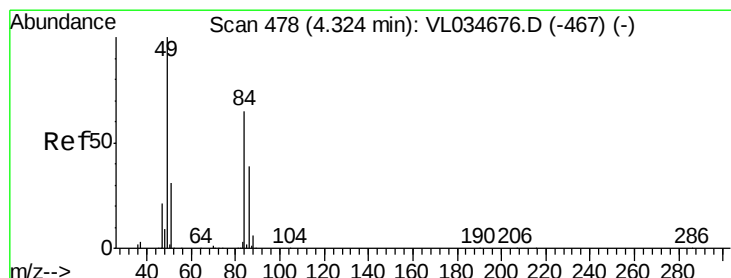
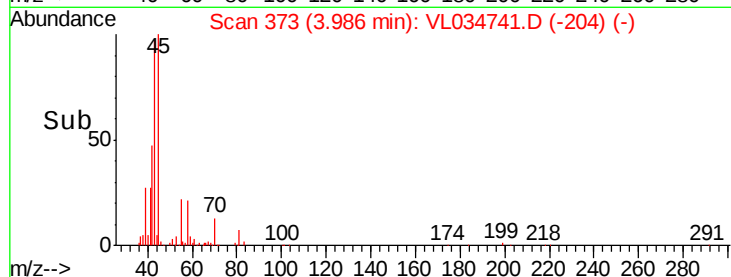
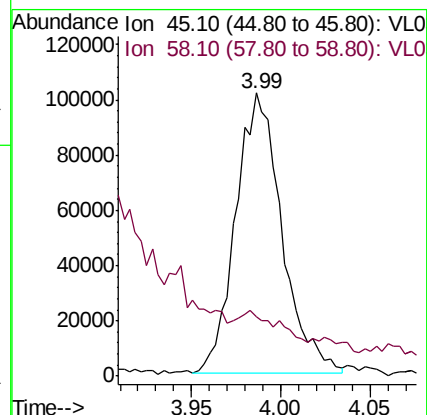
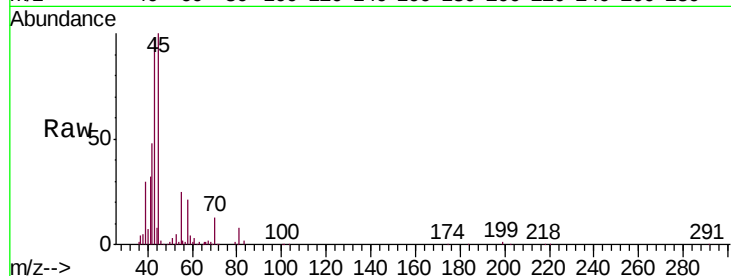
IA-2-4

Tgt Ion: 45 Resp: 182989

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#



#20

Methylene Chloride

Concen: 2.155 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Tgt Ion: 84 Resp: 101052

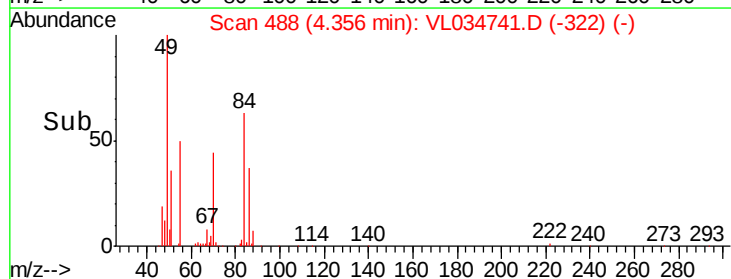
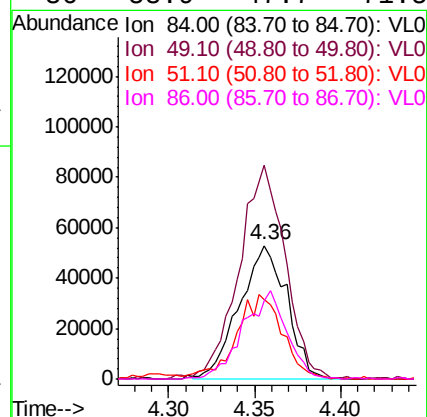
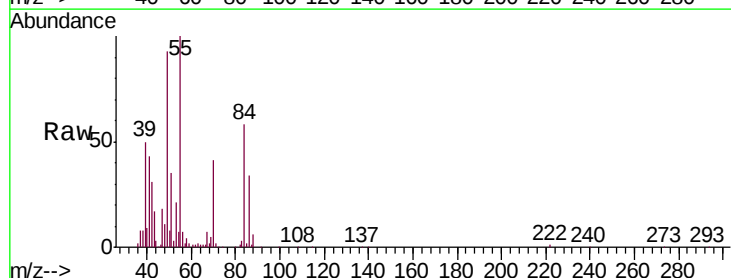
Ion Ratio Lower Upper

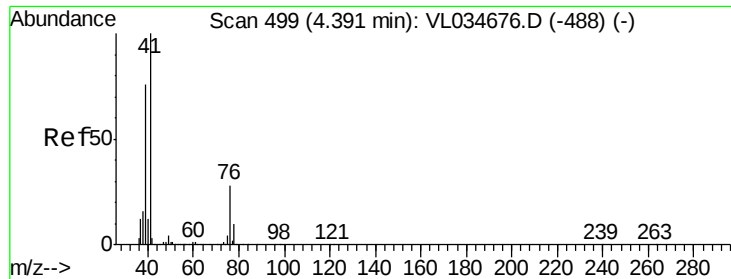
84 100

49 158.9 122.8 184.2

51 59.0 38.6 58.0#

86 58.9 47.7 71.5





#21

Allyl Chloride

Concen: 0.719 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.04 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4

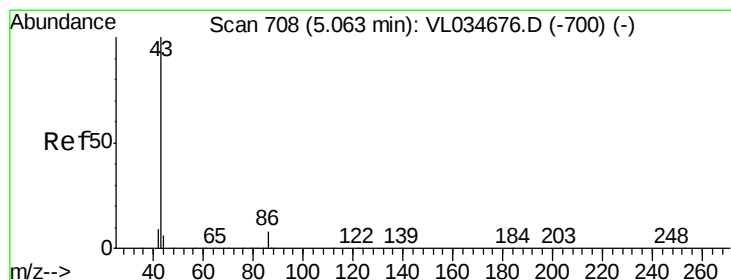
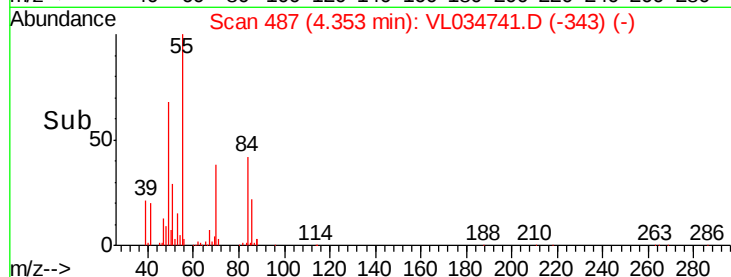
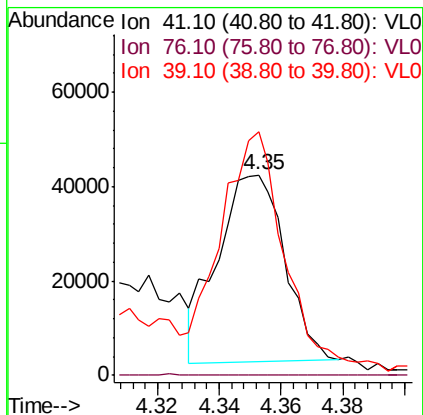
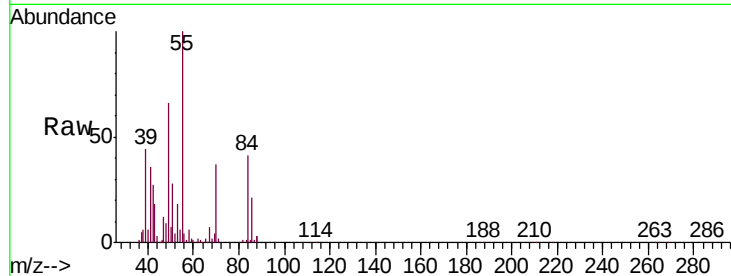
Tgt Ion: 41 Resp: 59978

Ion Ratio Lower Upper

41 100

76 0.2 22.8 34.2#

39 124.2 61.7 92.5#



#23

Vinyl Acetate

Concen: 6.184 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.03 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Tgt Ion: 43 Resp: 1059960

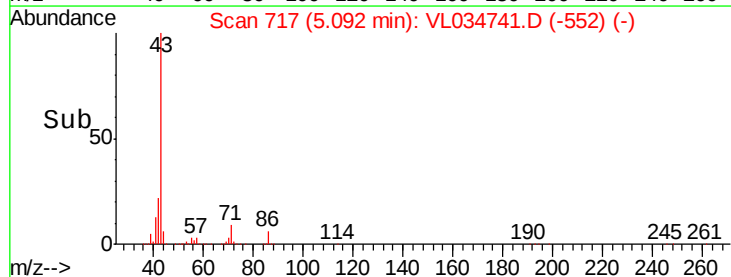
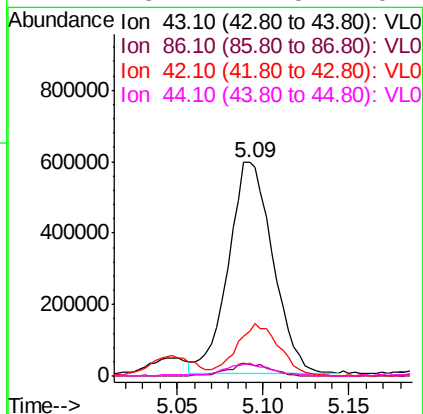
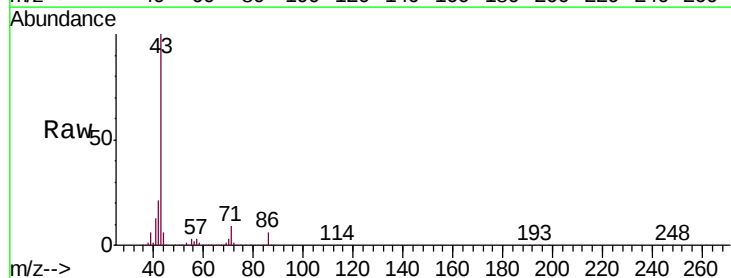
Ion Ratio Lower Upper

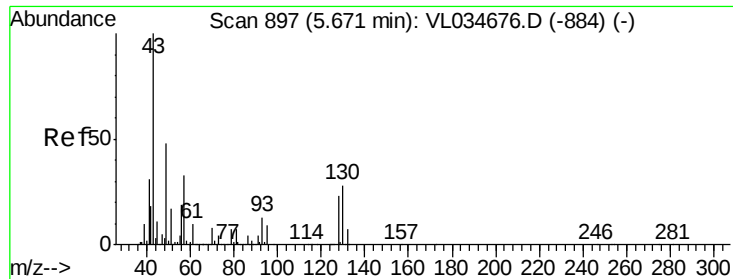
43 100

86 5.6 6.0 9.0#

42 21.3 8.0 12.0#

44 5.7 4.5 6.7

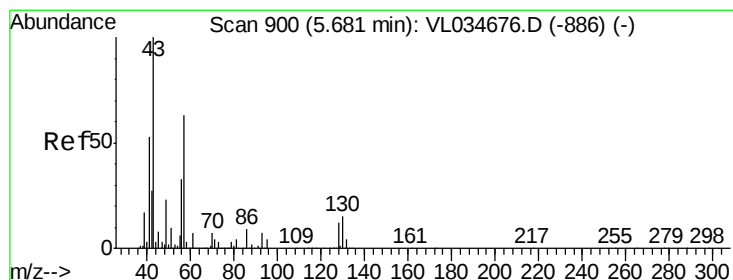
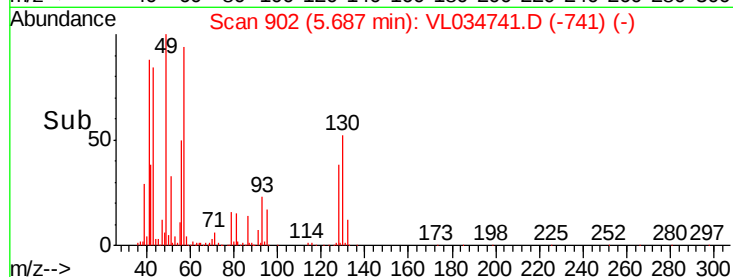
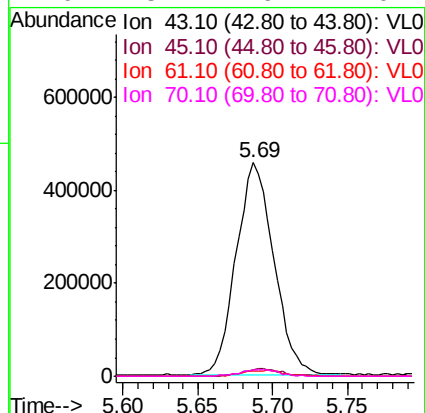
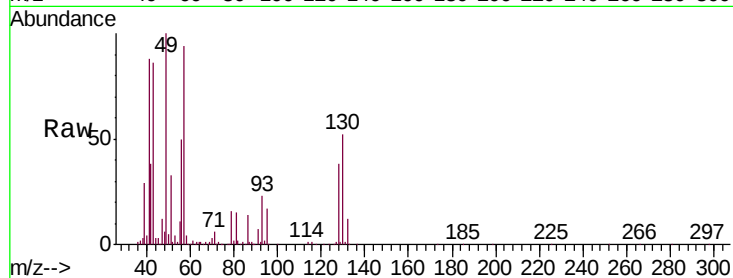




#25
Ethyl Acetate
Concen: 3.610 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

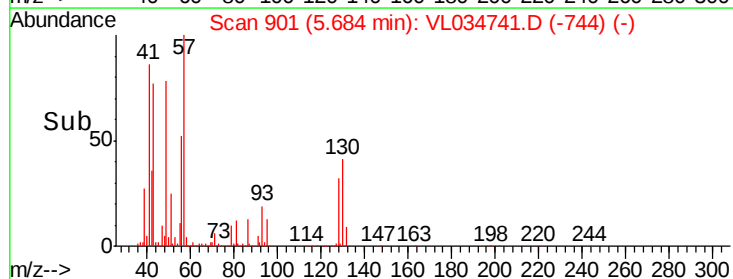
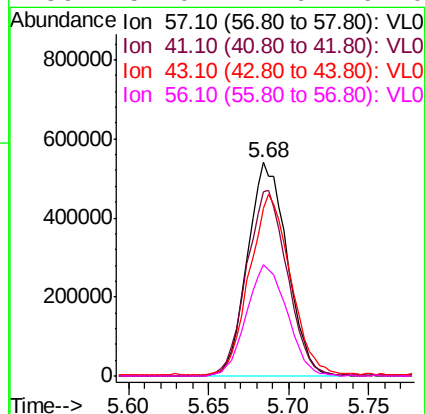
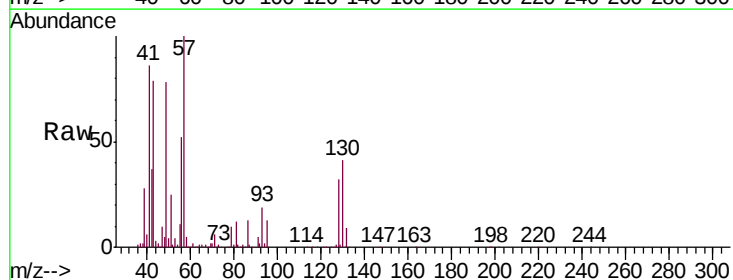
Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

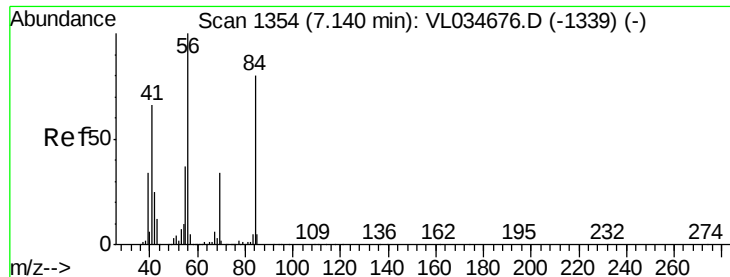
Tgt Ion:	43	Resp:	805602
Ion	Ratio	Lower	Upper
43	100		
45	3.7	8.2	12.4#
61	3.1	7.8	11.6#
70	3.4	6.1	9.1#



#26
Hexane
Concen: 8.885 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

Tgt Ion:	57	Resp:	913957
Ion	Ratio	Lower	Upper
57	100		
41	90.0	70.3	105.5
43	88.7	177.0	265.4#
56	54.0	42.6	64.0

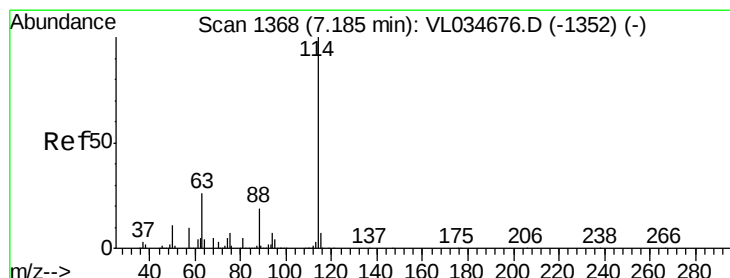
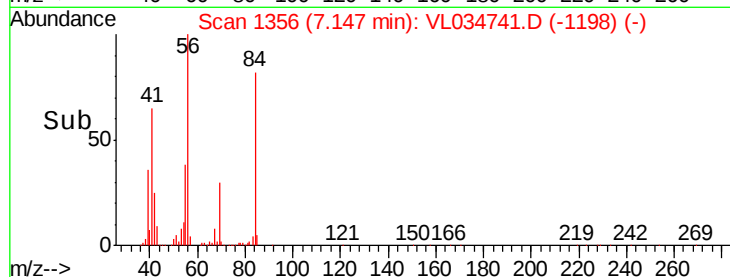
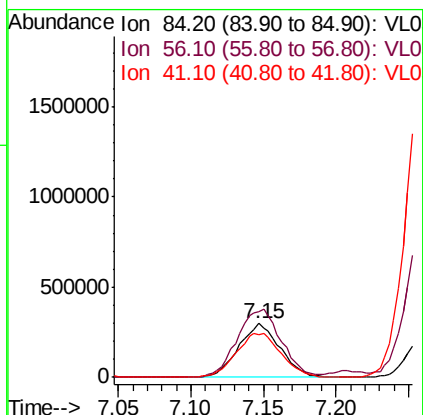
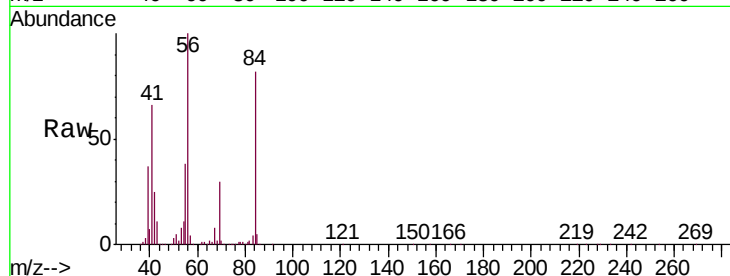




#30
Cyclohexane
Concen: 7.482 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

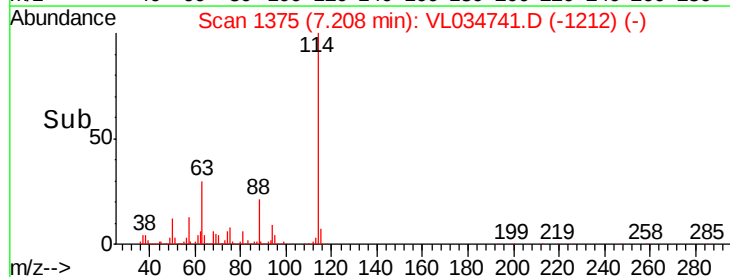
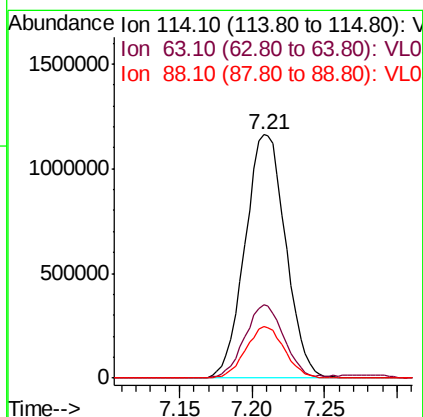
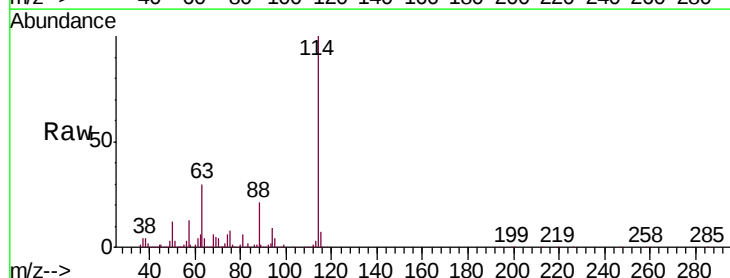
Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

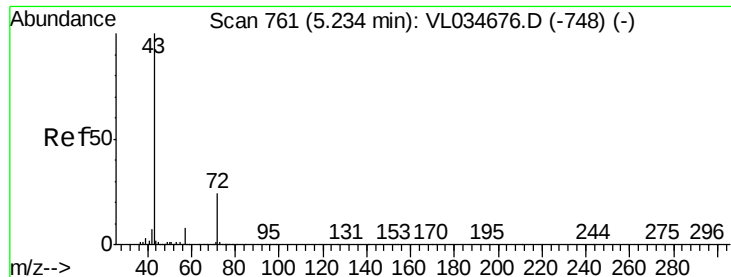
Tgt Ion: 84 Resp: 596451
Ion Ratio Lower Upper
84 100
56 133.5 113.4 170.2
41 87.9 68.2 102.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.02 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

Tgt Ion: 114 Resp: 2266011
Ion Ratio Lower Upper
114 100
63 29.5 22.9 34.3
88 20.3 15.8 23.6

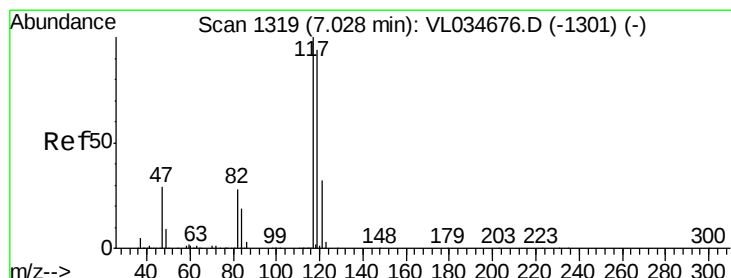
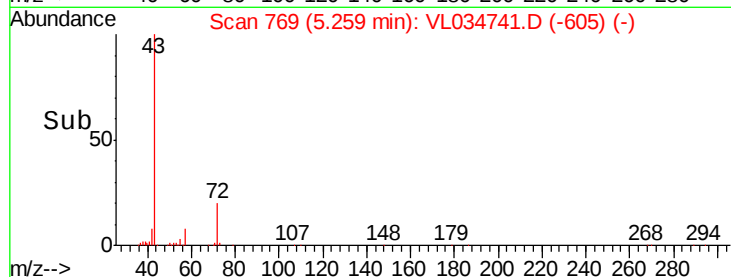
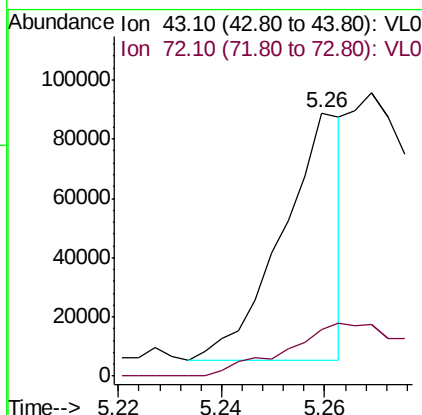
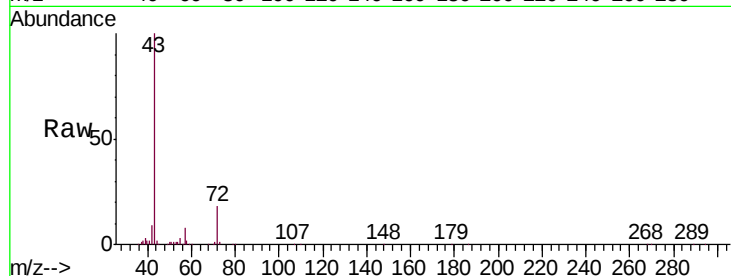




#34
2-Butanone
Concen: 0.474 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.03 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

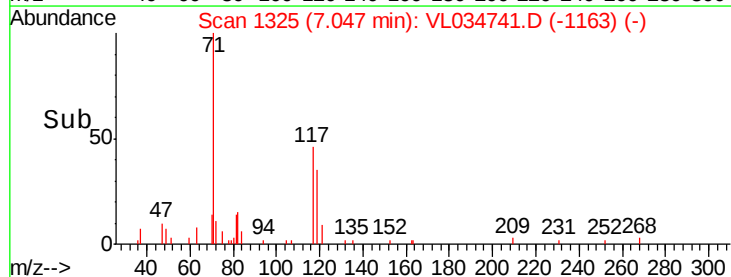
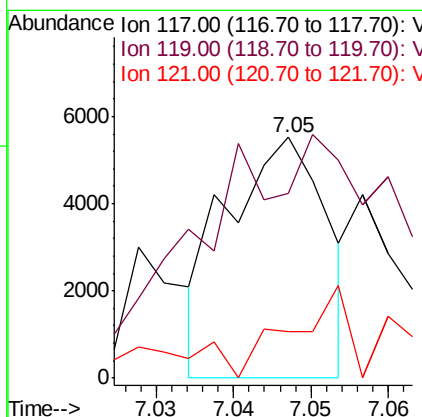
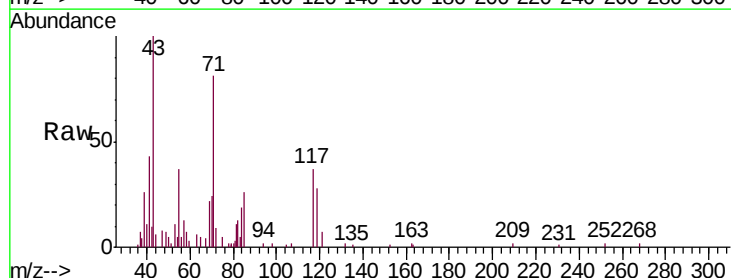
Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

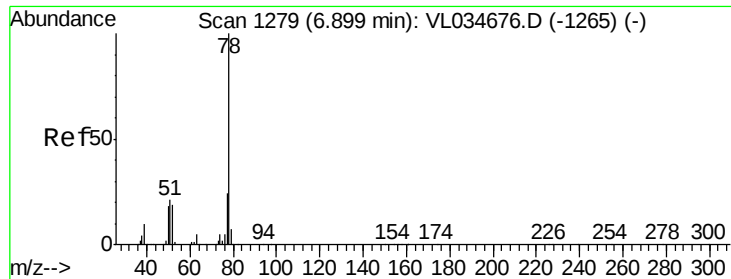
Tgt Ion: 43 Resp: 67629
Ion Ratio Lower Upper
43 100
72 50.3 18.2 27.2#



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. 0.02 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

Tgt Ion: 117 Resp: 4976
Ion Ratio Lower Upper
117 100
119 24.0 75.5 113.3#
121 17.5 25.4 38.0#





#36

Benzene

Concen: 0.908 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. 0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4

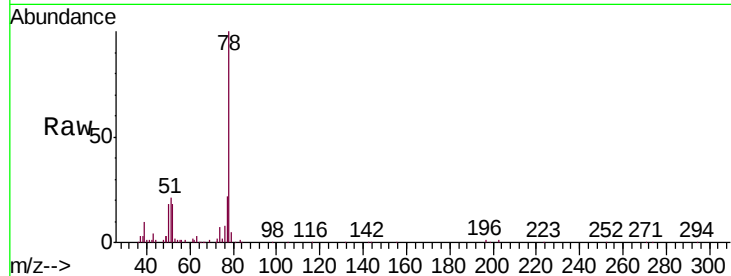
Tgt Ion: 78 Resp: 177791

Ion Ratio Lower Upper

78 100

77 22.1 19.5 29.3

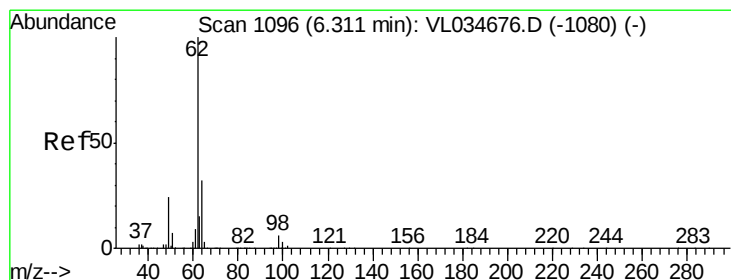
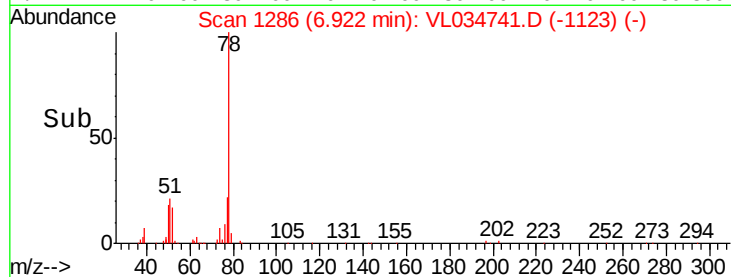
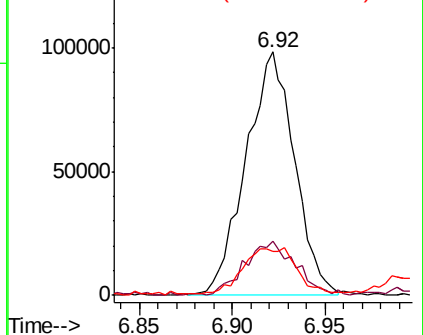
50 17.2 14.6 21.8



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: 0.022 ppbv

RT: 6.33 min Scan# 1102

Delta R.T. 0.02 min

Lab File: VL034741.D

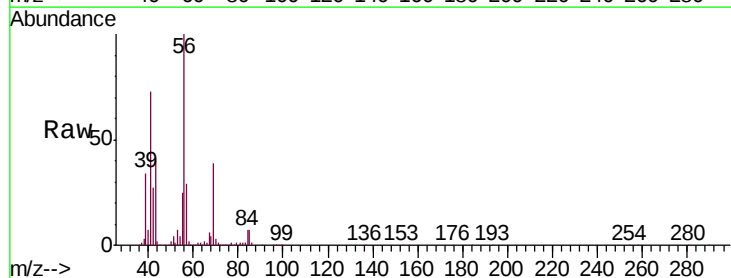
Acq: 28 Feb 2020 17:49

Tgt Ion: 62 Resp: 2664

Ion Ratio Lower Upper

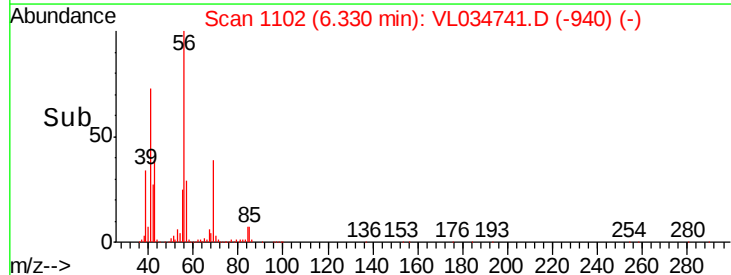
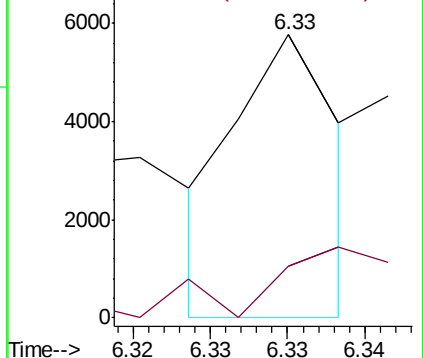
62 100

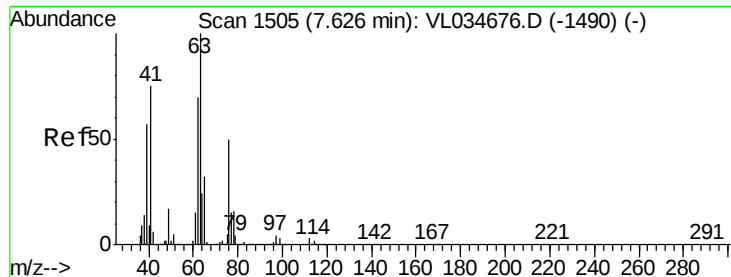
98 0.0 4.7 7.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 0.650 ppbv

RT: 7.52 min Scan# 1471

Delta R.T. -0.11 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4

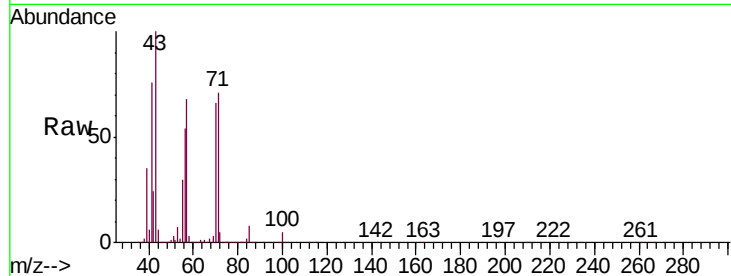
Tgt Ion: 63 Resp: 50612

Ion Ratio Lower Upper

63 100

41 12330.4 60.2 90.4#

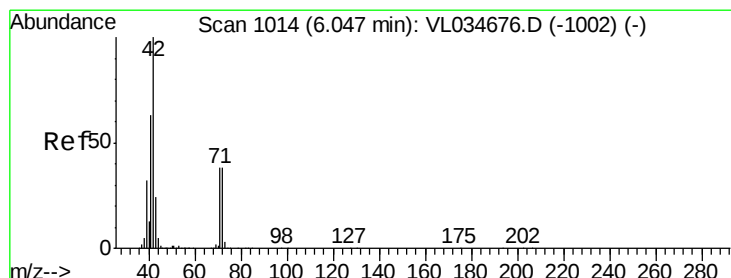
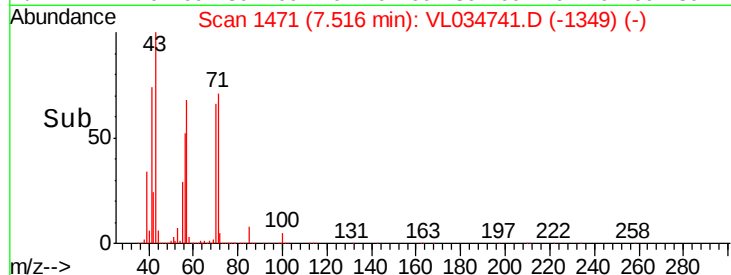
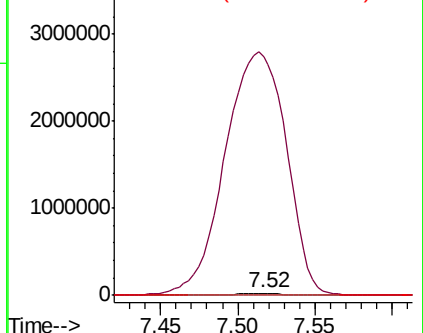
62 38.1 56.3 84.5#



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: 0.120 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.03 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

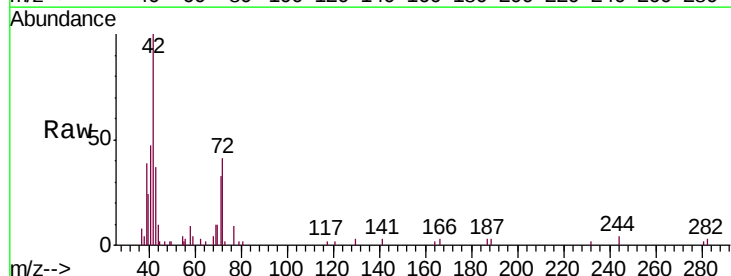
Tgt Ion: 42 Resp: 9019

Ion Ratio Lower Upper

42 100

72 84.7 31.7 47.5#

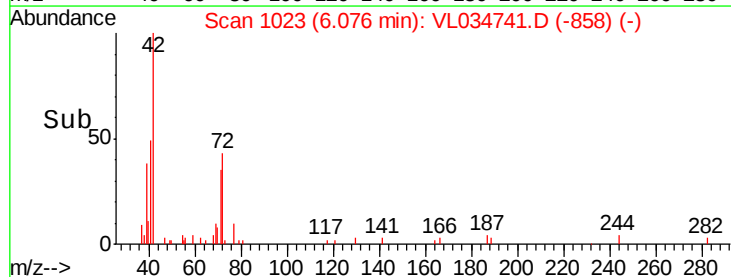
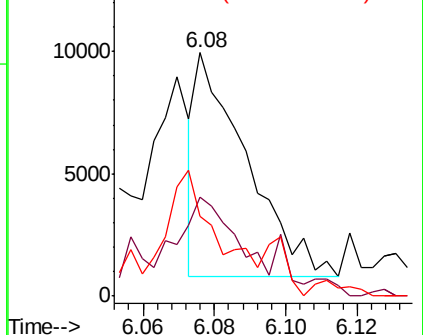
71 83.9 30.7 46.1#

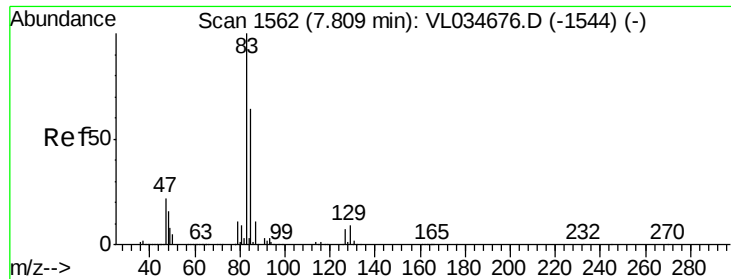


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 1.336 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampled :

IA-2-4

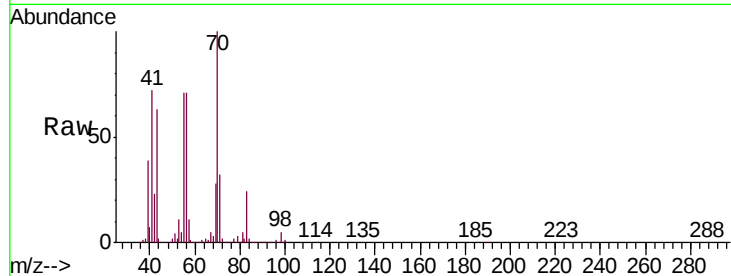
Tgt Ion: 83 Resp: 215868

Ion Ratio Lower Upper

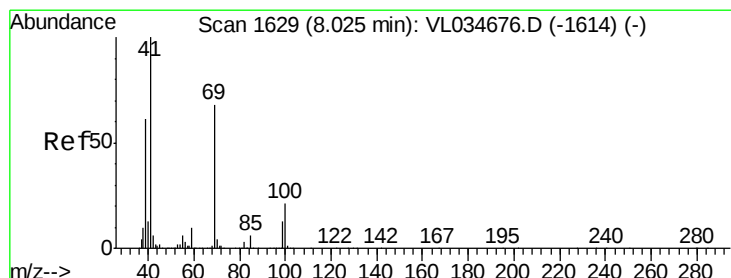
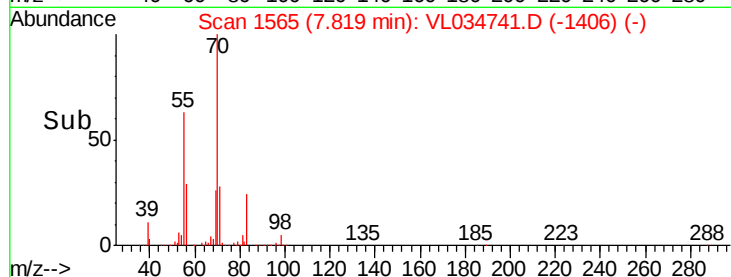
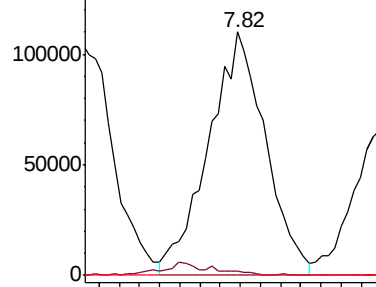
83 100

85 1.9 51.1 76.7#

127 0.0 5.8 8.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0
150000
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.089 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.09 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

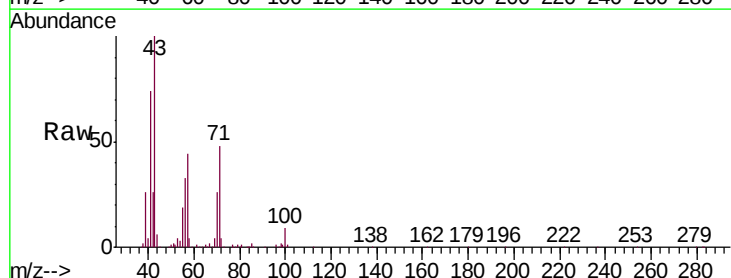
Tgt Ion: 69 Resp: 7323

Ion Ratio Lower Upper

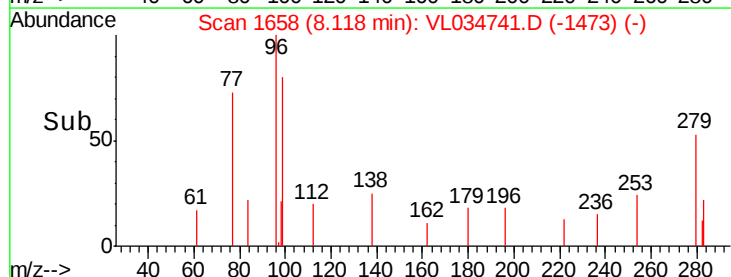
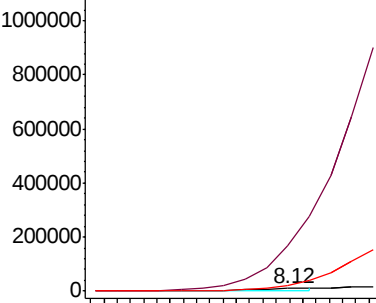
69 100

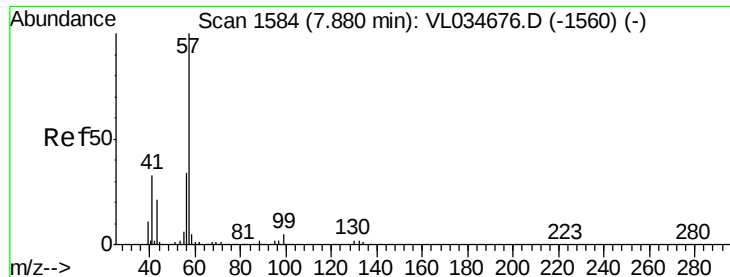
41 0.0 118.2 177.2#

100 0.0 24.2 36.2#



Abundance Ion 69.10 (68.80 to 69.80): VL0
1200000
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.970 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. 0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleID :

IA-2-4

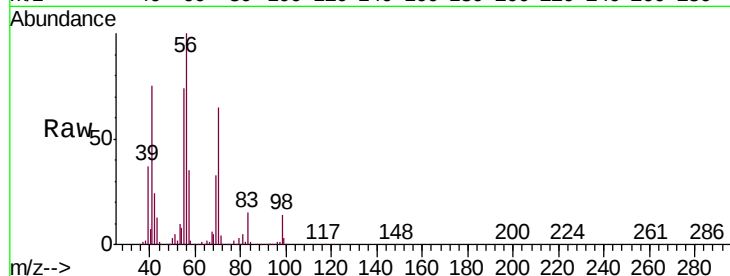
Tgt Ion: 57 Resp: 331715

Ion Ratio Lower Upper

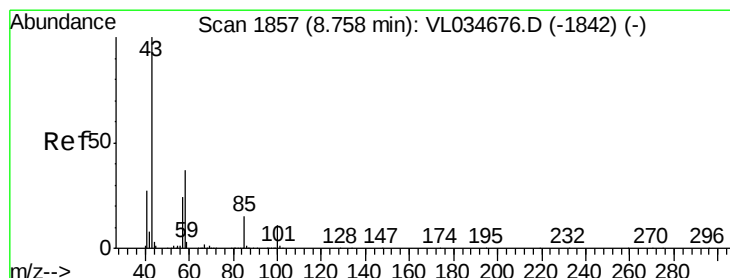
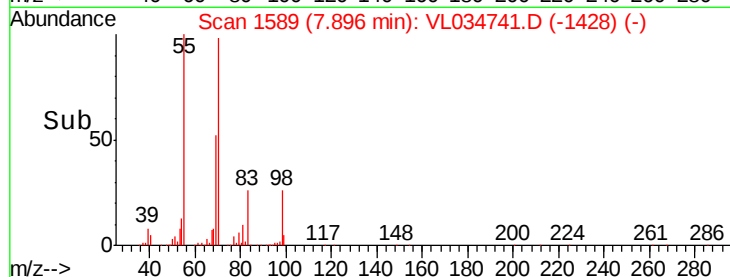
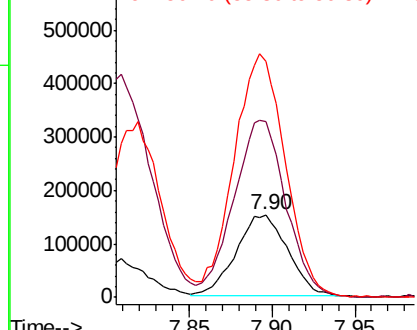
57 100

41 215.6 26.0 39.0#

56 293.7 25.6 38.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.417 ppbv

RT: 8.79 min Scan# 1867

Delta R.T. 0.03 min

Lab File: VL034741.D

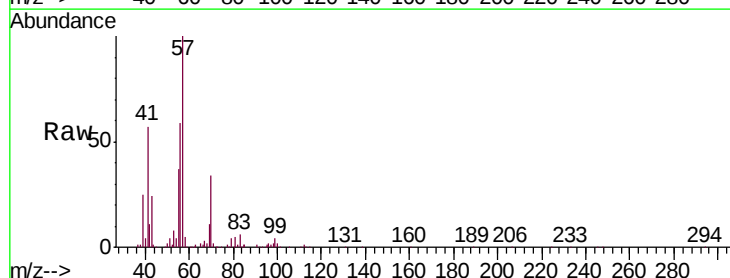
Acq: 28 Feb 2020 17:49

Tgt Ion: 43 Resp: 84215

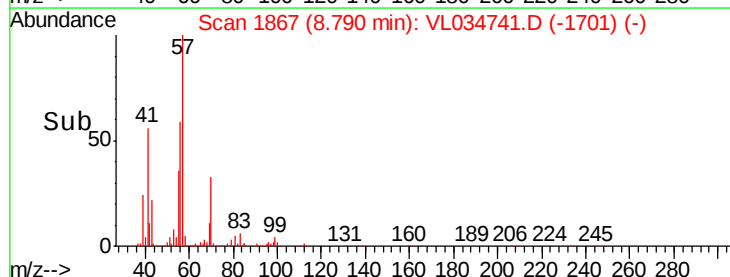
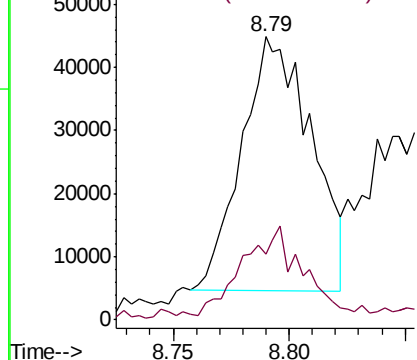
Ion Ratio Lower Upper

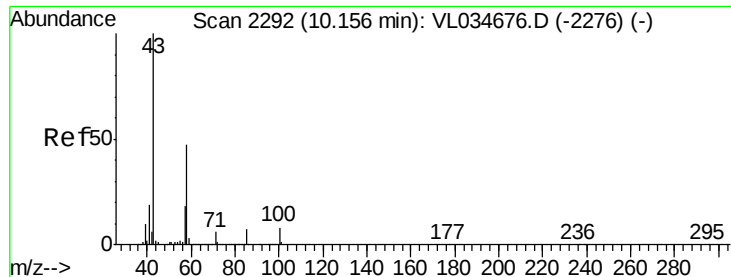
43 100

58 32.5 29.0 43.6



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

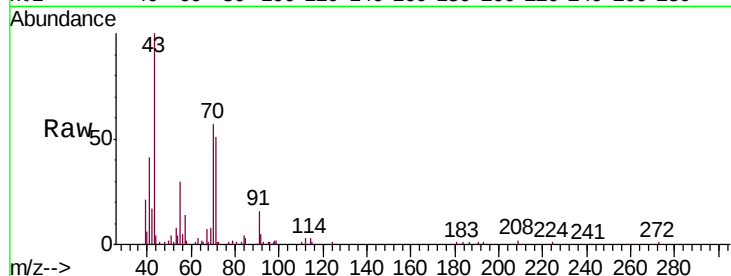




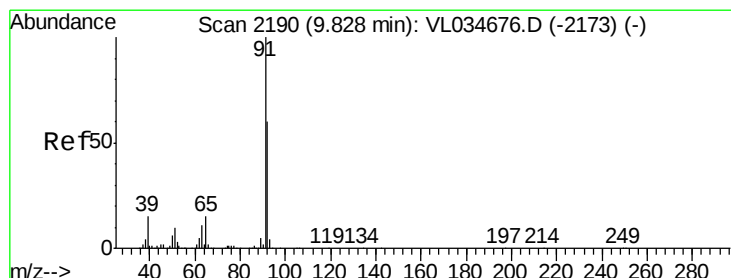
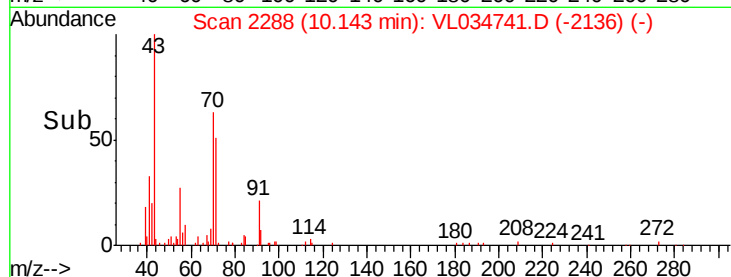
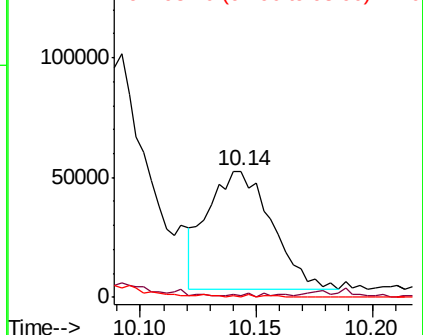
#51
2-Hexanone
Concen: 0.595 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

Tgt Ion: 43 Resp: 94592
Ion Ratio Lower Upper
43 100
58 5.3 39.4 59.0#
98 0.0 0.2 0.2#

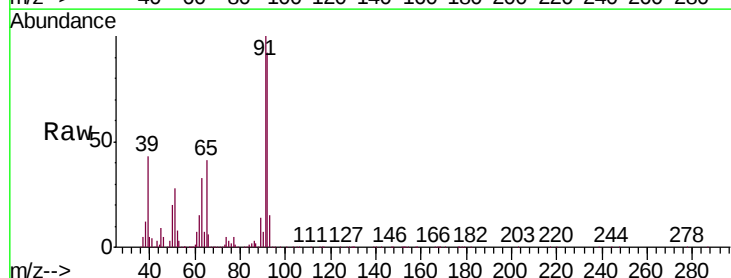


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

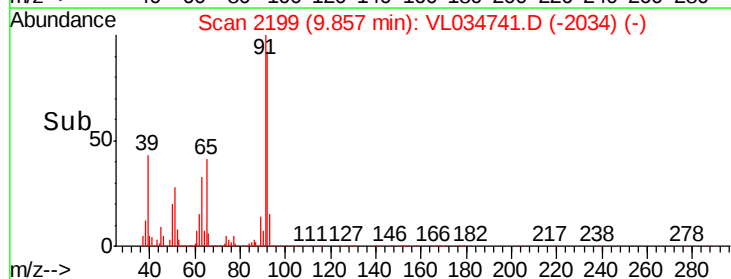
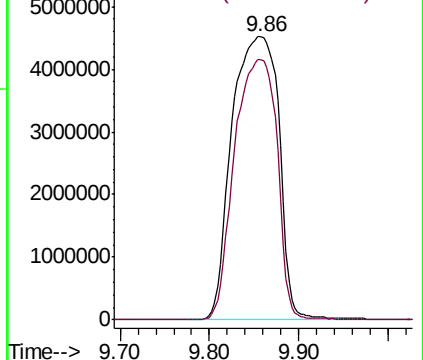


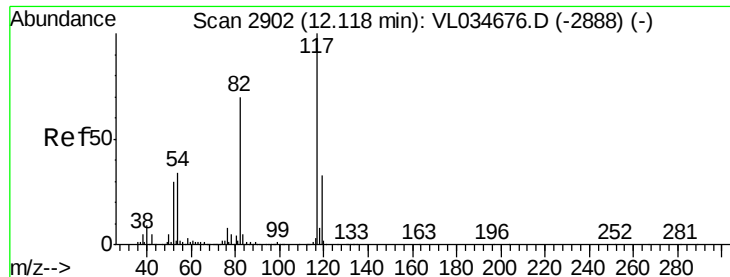
#53
Toluene
Concen: 79.358 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. 0.03 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

Tgt Ion: 91 Resp: 16519170
Ion Ratio Lower Upper
91 100
92 83.4 48.5 72.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampled :

IA-2-4

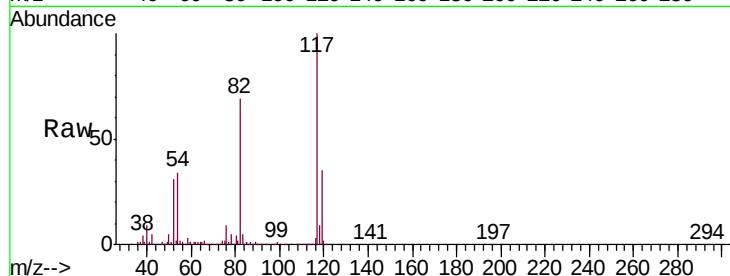
Tgt Ion:117 Resp: 2283814

Ion Ratio Lower Upper

117 100

82 70.4 54.1 81.1

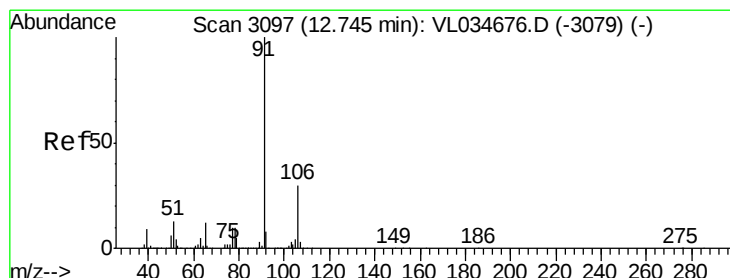
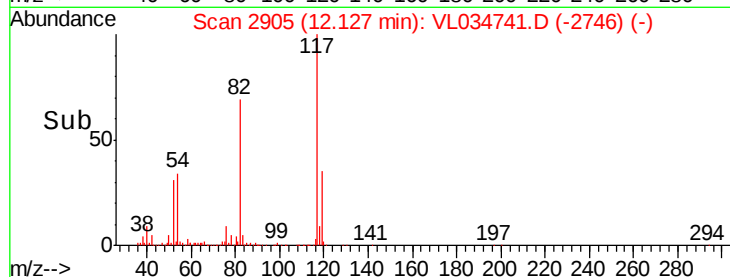
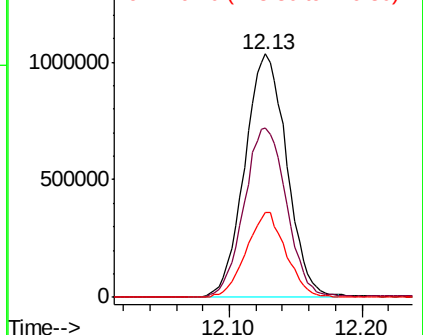
119 33.2 27.6 41.4



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: 1.102 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034741.D

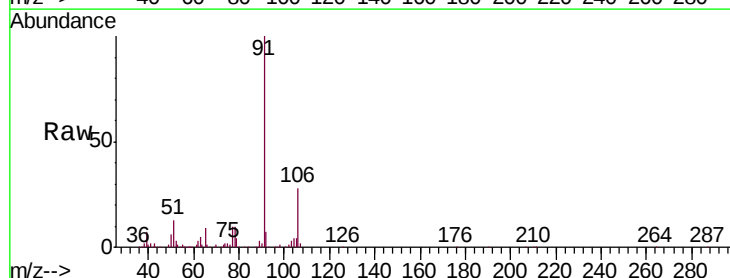
Acq: 28 Feb 2020 17:49

Tgt Ion: 91 Resp: 304403

Ion Ratio Lower Upper

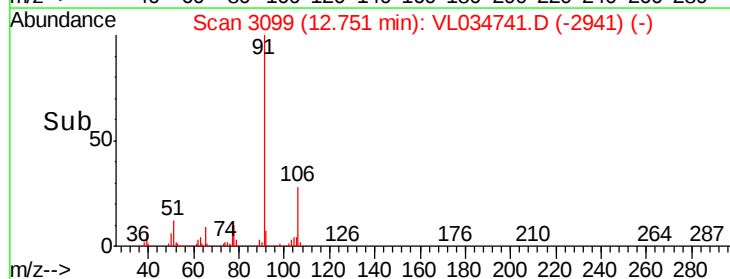
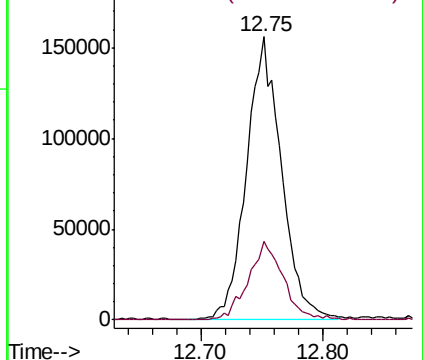
91 100

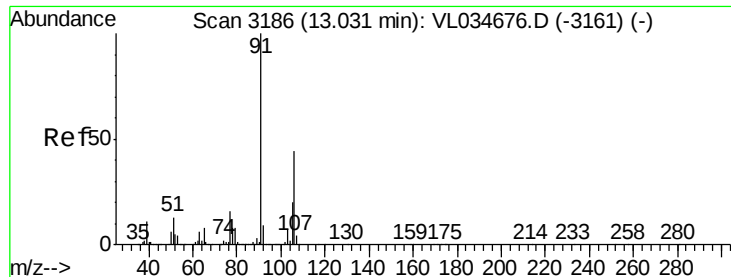
106 28.0 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

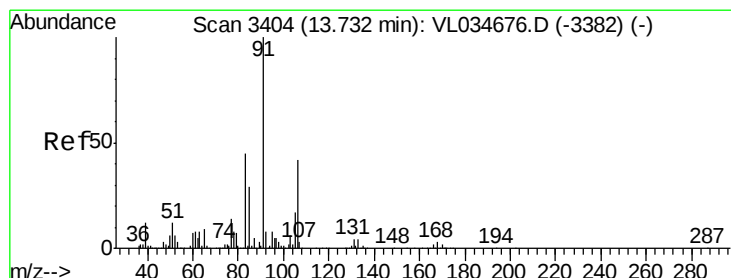
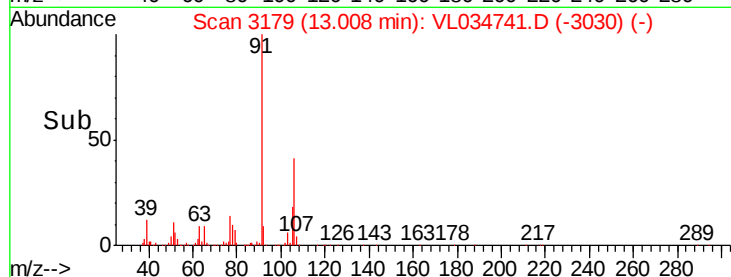
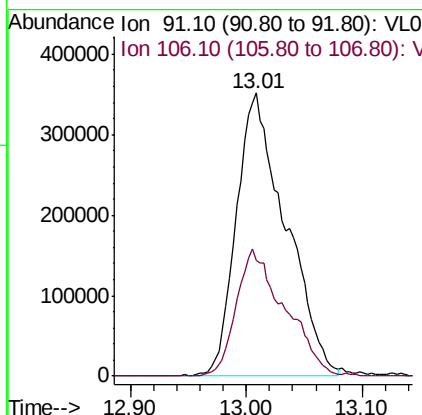
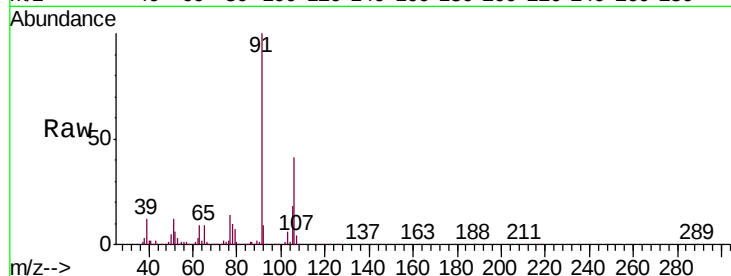




#59
m/p-Xylene
Concen: 4.279 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

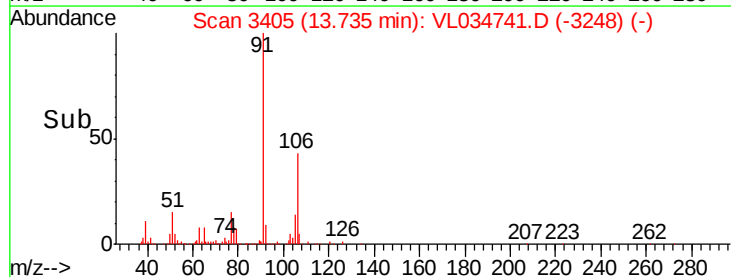
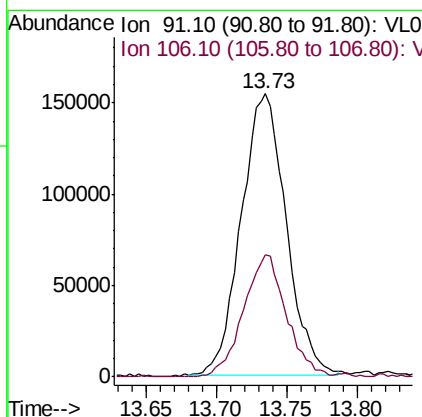
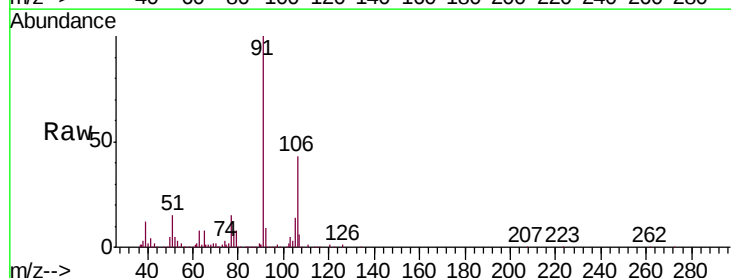
Instrument :
MSVOA_L
ClientSampleId :
IA-2-4

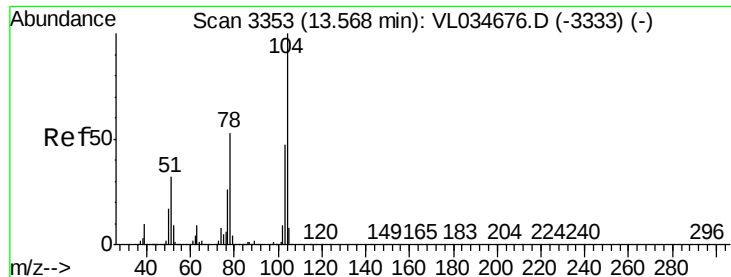
Tgt Ion: 91 Resp: 1031323
Ion Ratio Lower Upper
91 100
106 44.9 35.6 53.4



#60
o-Xylene
Concen: 1.432 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL034741.D
Acq: 28 Feb 2020 17:49

Tgt Ion: 91 Resp: 342378
Ion Ratio Lower Upper
91 100
106 42.1 21.9 65.5





#61

Styrene

Concen: 0.037 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.01 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4

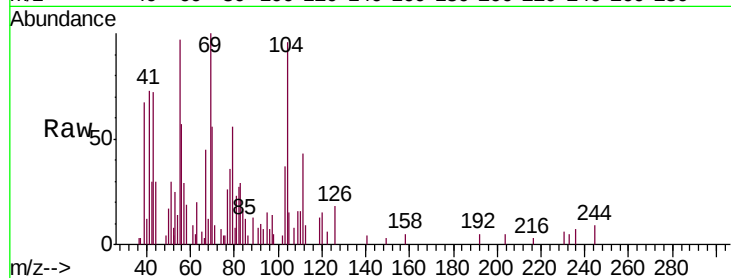
Tgt Ion:104 Resp: 5618

Ion Ratio Lower Upper

104 100

78 0.0 44.2 66.4#

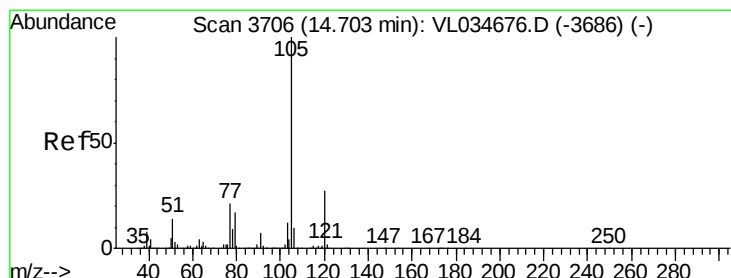
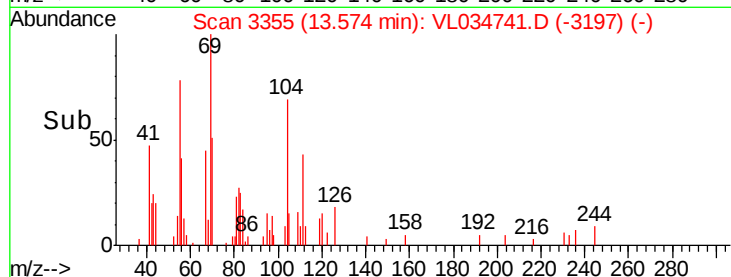
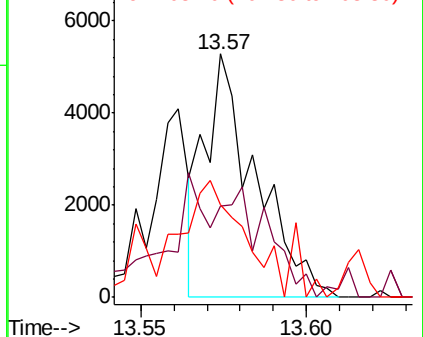
103 84.3 37.4 56.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.021 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.02 min

Lab File: VL034741.D

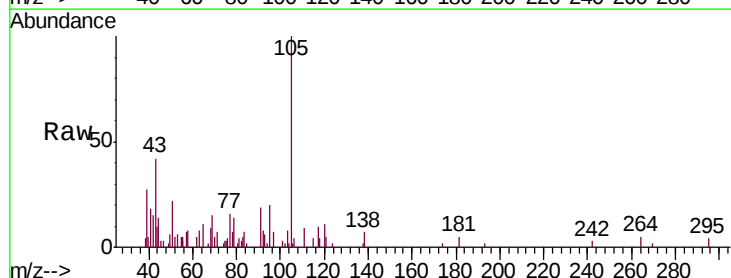
Acq: 28 Feb 2020 17:49

Tgt Ion:105 Resp: 7329

Ion Ratio Lower Upper

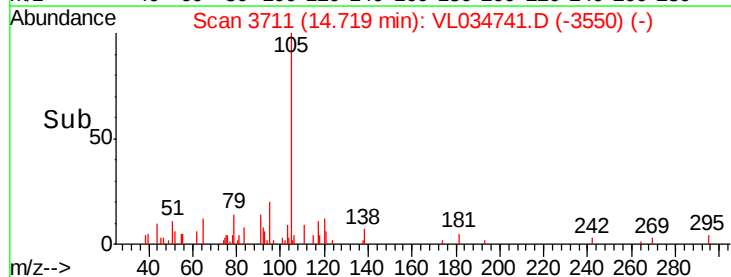
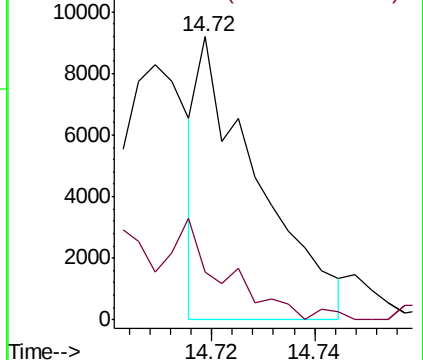
105 100

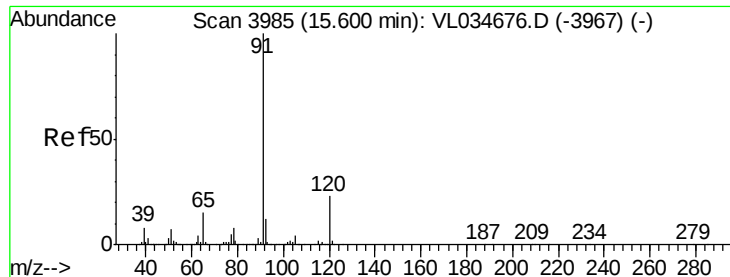
120 74.0 20.2 30.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.043 ppbv

RT: 15.61 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

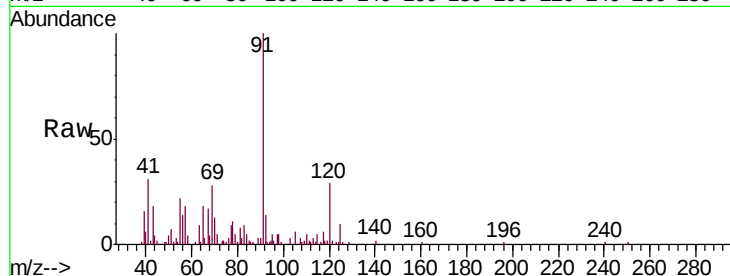
IA-2-4

Tgt Ion:120 Resp: 3905

Ion Ratio Lower Upper

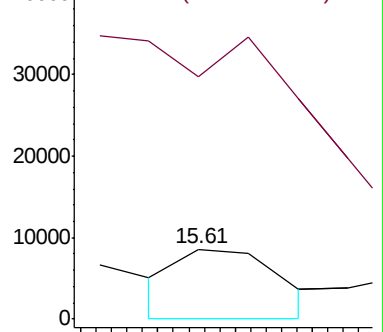
120 100

91 0.0 369.8 554.8#

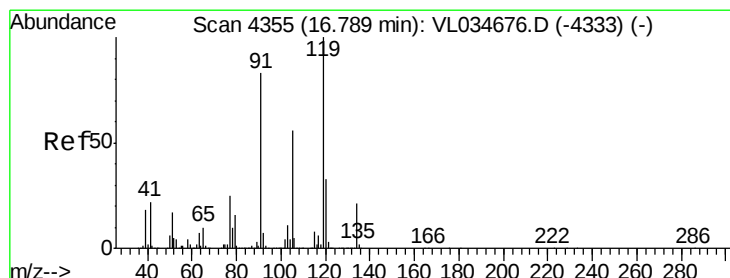
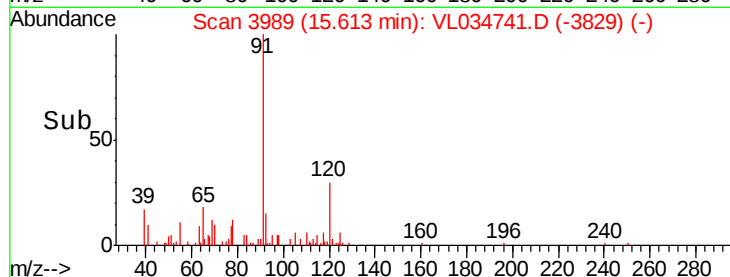


Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time--> 15.61 15.61 15.62 15.62



#65

tert-Butylbenzene

Concen: 0.071 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

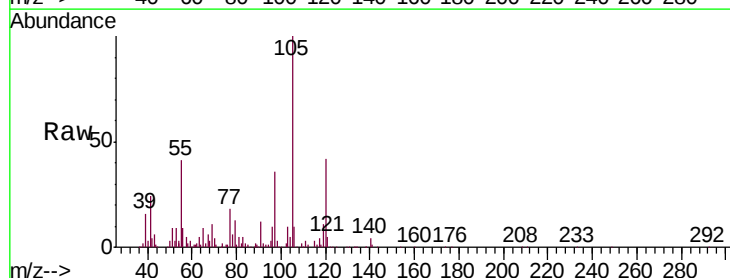
Tgt Ion:119 Resp: 21422

Ion Ratio Lower Upper

119 100

91 0.0 69.1 103.7#

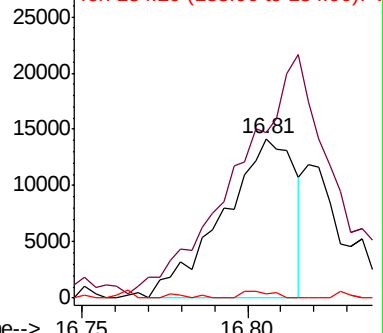
134 1.9 15.8 23.8#



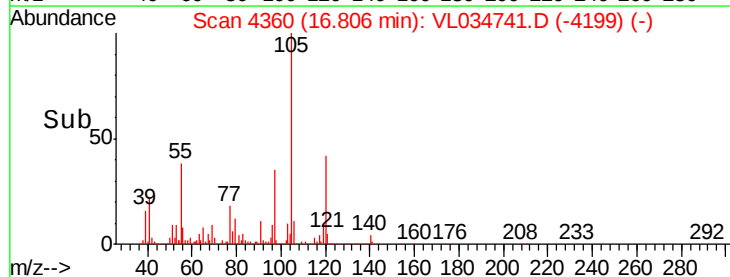
Abundance Ion 119.20 (118.90 to 119.90): V

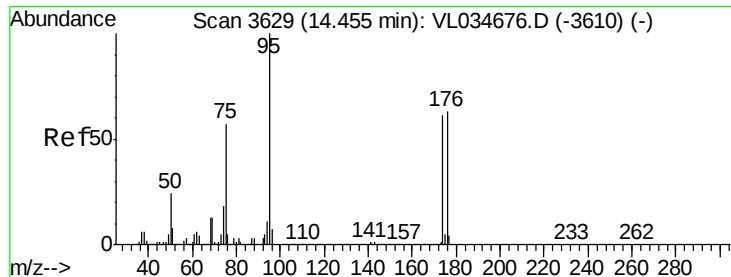
Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time--> 16.75 16.80

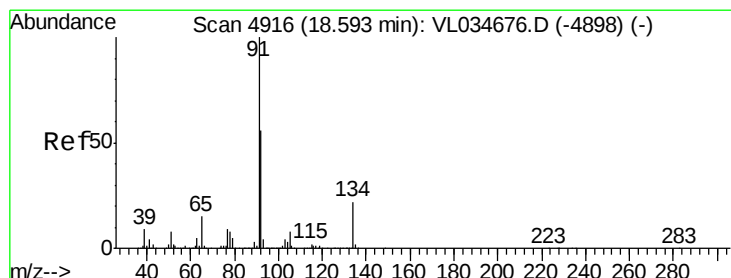
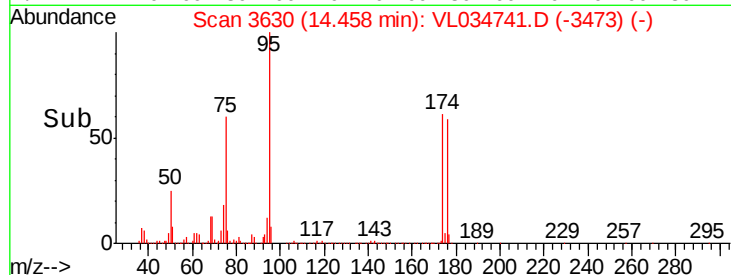
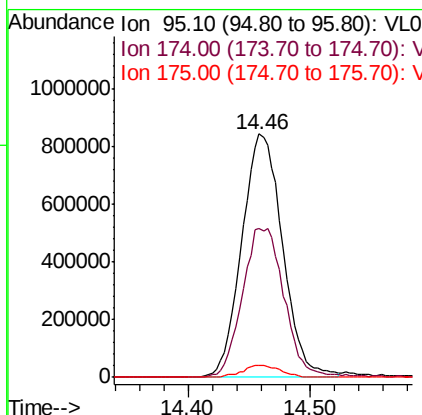
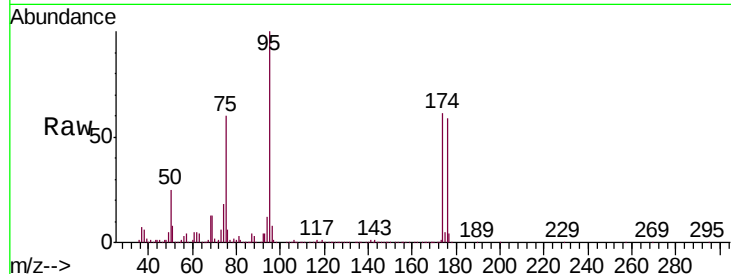




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.391 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034741.D
 Acq: 28 Feb 2020 17:49

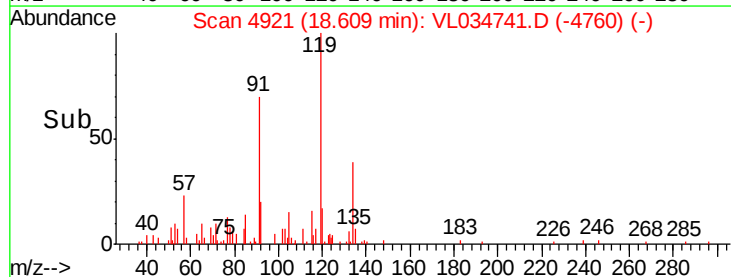
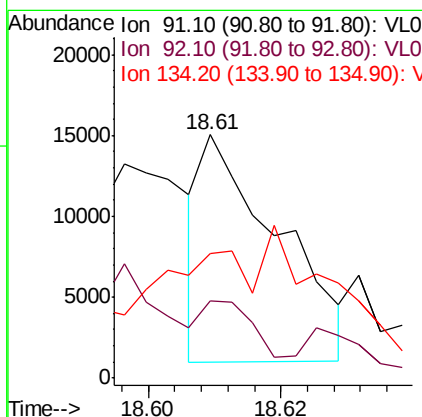
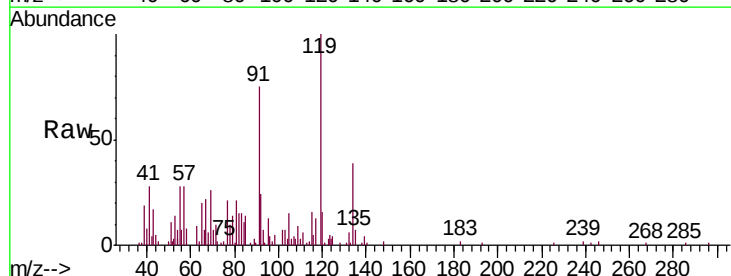
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4

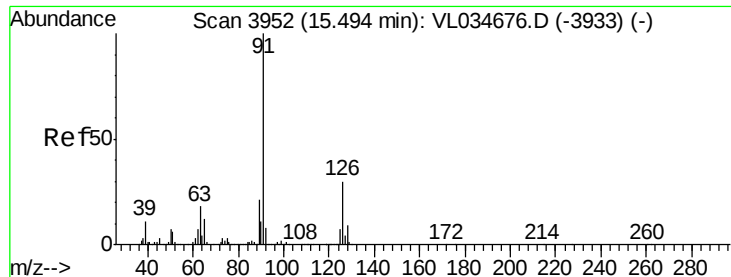
Tgt Ion: 95 Resp: 1945829
 Ion Ratio Lower Upper
 95 100
 174 63.3 50.7 76.1
 175 4.7 3.9 5.9



#70
 n-Butylbenzene
 Concen: 0.029 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.02 min
 Lab File: VL034741.D
 Acq: 28 Feb 2020 17:49

Tgt Ion: 91 Resp: 11341
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.8 65.6#
 134 245.3 17.6 26.4#

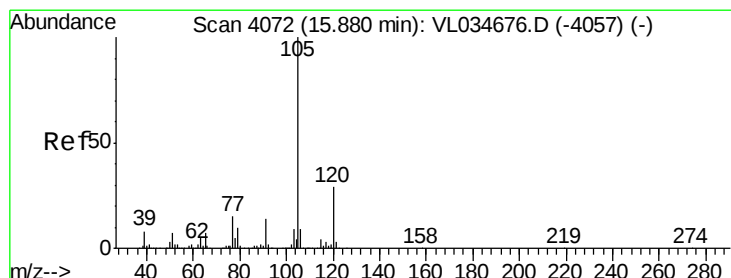
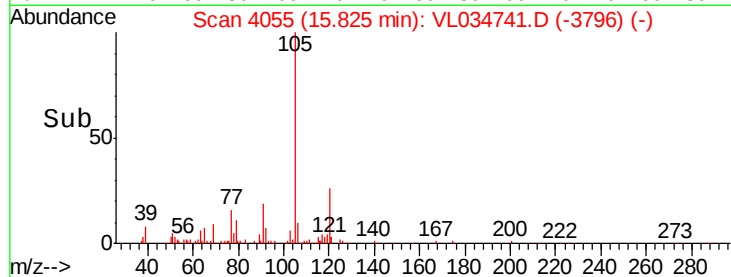
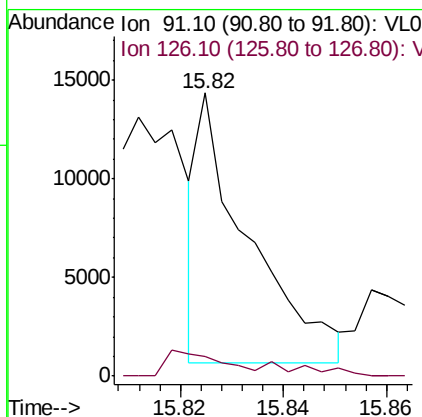
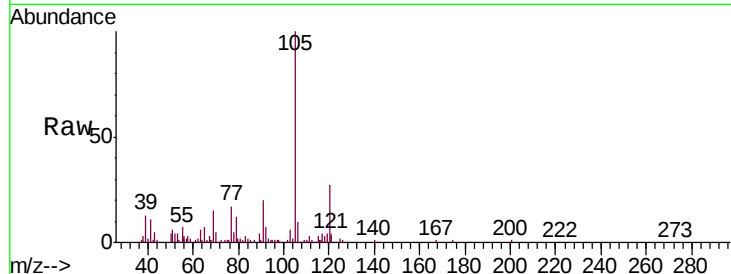




#71
 2-Chlorotoluene
 Concen: 0.034 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.33 min
 Lab File: VL034741.D
 Acq: 28 Feb 2020 17:49

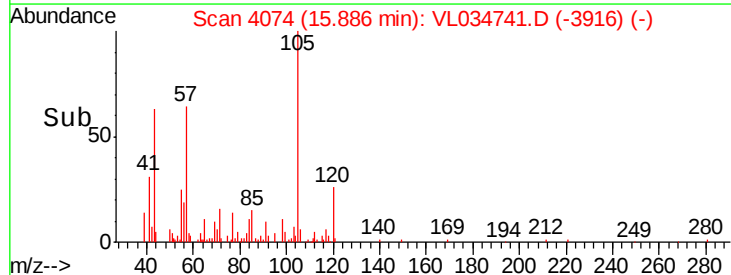
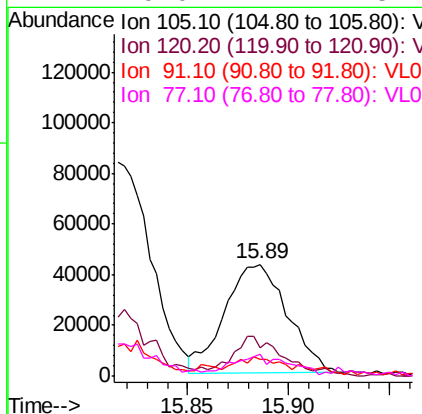
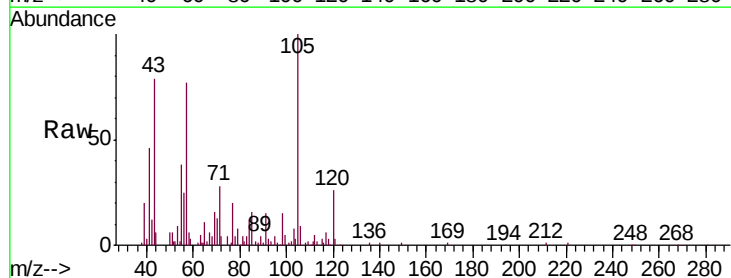
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4

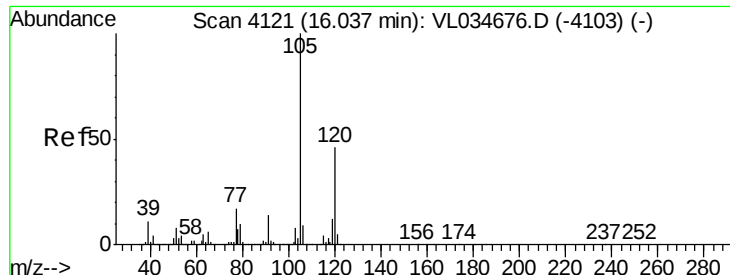
Tgt Ion: 91 Resp: 9317
 Ion Ratio Lower Upper
 91 100
 126 16.0 11.8 47.2



#72
 4-Ethyltoluene
 Concen: 0.351 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL034741.D
 Acq: 28 Feb 2020 17:49

Tgt Ion: 105 Resp: 93504
 Ion Ratio Lower Upper
 105 100
 120 31.4 23.7 35.5
 91 17.7 10.9 16.3#
 77 19.0 12.2 18.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.101 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. 0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

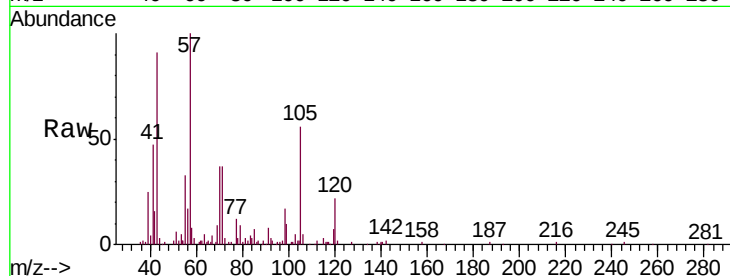
IA-2-4

Tgt Ion:105 Resp: 25886

Ion Ratio Lower Upper

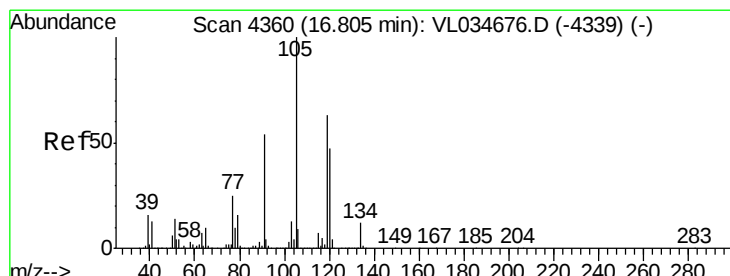
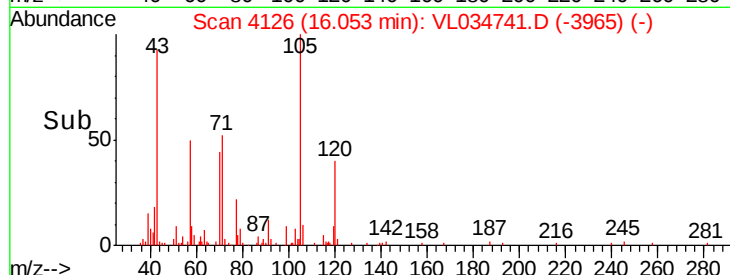
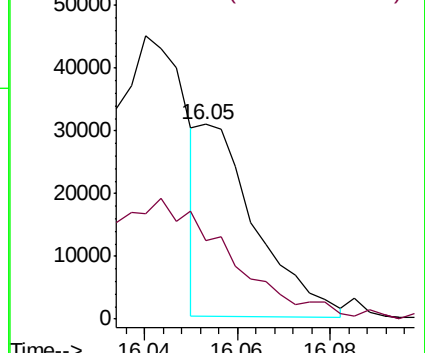
105 100

120 40.4 37.1 55.7



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: 1.040 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.00 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Tgt Ion:105 Resp: 294065

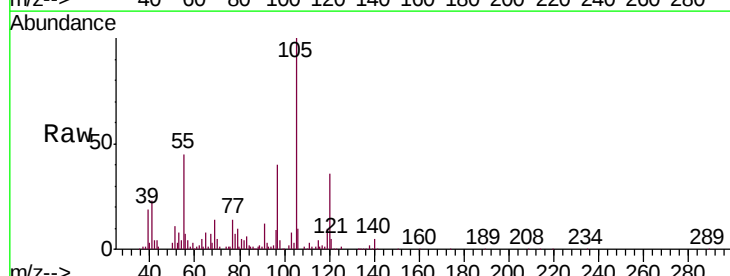
Ion Ratio Lower Upper

105 100

120 35.6 37.9 56.9#

91 10.9 43.9 65.9#

77 13.3 20.3 30.5#

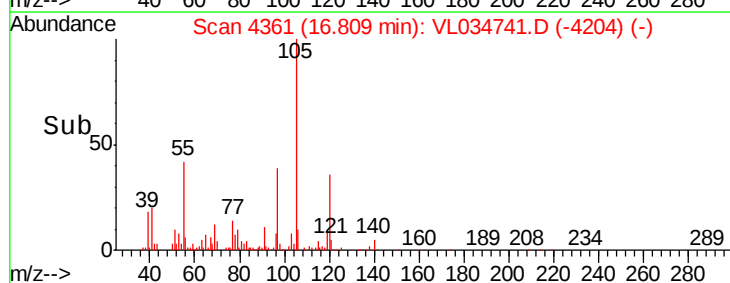
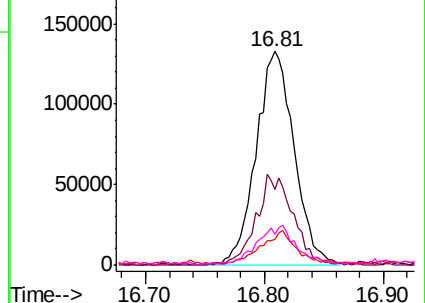


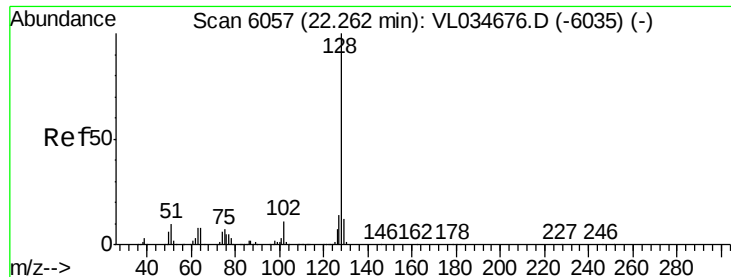
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.063 ppbv

RT: 22.28 min Scan# 6063

Delta R.T. 0.02 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Instrument :

MSVOA_L

ClientSampled :

IA-2-4

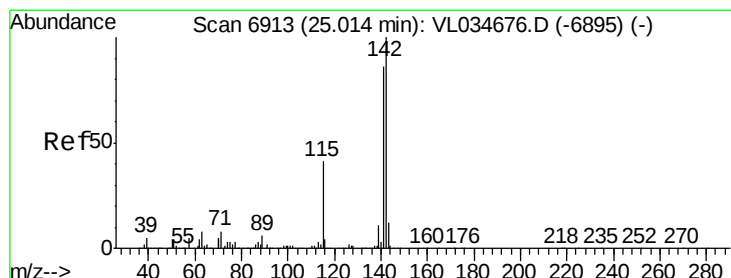
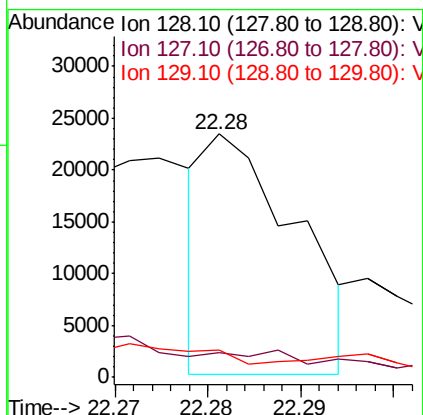
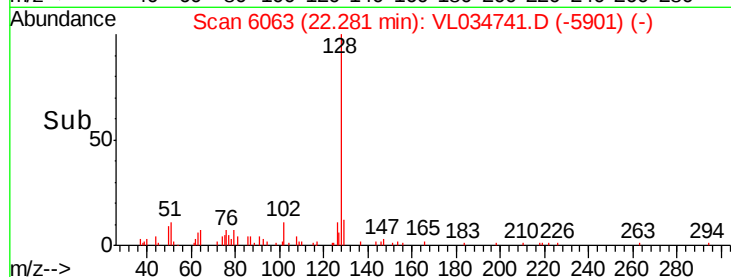
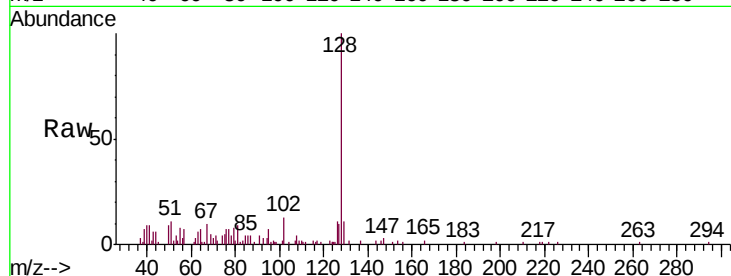
Tgt Ion:128 Resp: 15777

Ion Ratio Lower Upper

128 100

127 3.5 11.0 16.6#

129 4.6 9.4 14.2#



#80

Naphthalene, 2-methyl-

Concen: 0.095 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. 0.01 min

Lab File: VL034741.D

Acq: 28 Feb 2020 17:49

Tgt Ion:142 Resp: 7311

Ion Ratio Lower Upper

142 100

141 102.0 66.5 99.7#

115 71.8 30.6 46.0#

