

Data File : VL034870.D
Acq On : 10 Mar 2020 17:40
Operator : SY/AP
Sample : L1861-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-2

Quant Time: Mar 11 05:53:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	894743	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2005576	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1992995	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1601121	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.95	51	25932	0.259	ppbv	99
4) Chloromethane	3.10	50	37927	0.671	ppbv #	88
5) Vinyl Chloride	3.21	62	661	0.012	ppbv #	46
6) Bromomethane	3.43	94	351	0.011	ppbv #	2
7) Chloroethane	3.52	64	1171	0.060	ppbv	94
9) Propene	3.17	41	290886	6.096	ppbv	92
10) Heptane	8.13	43	274830	2.340	ppbv	98
11) Trichlorofluoromethane	3.92	101	28905	0.222	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3197	0.035	ppbv #	11
13) Ethanol	3.57	45	1668278	114.991	ppbv	94
15) Acetone	3.82	43	1957724	16.882	ppbv	97
16) 1,3-Butadiene	3.27	39	225778	4.305	ppbv #	48
17) tert-Butyl alcohol	4.27	59	1683	0.015	ppbv #	72
19) Isopropyl Alcohol	3.94	45	281003	3.837	ppbv #	1
20) Methylene Chloride	4.32	84	36412	0.993	ppbv #	83
21) Allyl Chloride	4.35	41	4052	0.054	ppbv #	1
23) Vinyl Acetate	5.04	43	49788	0.291	ppbv #	1
25) Ethyl Acetate	5.68	43	292742	1.417	ppbv #	79
26) Hexane	5.68	57	393333	4.421	ppbv #	41
27) Carbon Disulfide	4.52	76	22773	0.226	ppbv #	65
30) Cyclohexane	7.13	84	84988	1.145	ppbv	91
31) cis-1,2-Dichloroethene	5.55	61	1075	0.012	ppbv	93
34) 2-Butanone	5.23	43	112030	0.841	ppbv	99
35) Carbon Tetrachloride	7.02	117	3187	0.026	ppbv #	33
36) Benzene	6.89	78	276959	1.549	ppbv	96
37) 1,2-Dichloroethane	6.30	62	1217	0.012	ppbv #	81
38) Trichloroethene	7.85	130	900	0.013	ppbv #	40
39) 1,2-Dichloropropane	7.18	63	530414	7.489	ppbv #	23
41) Tetrahydrofuran	6.05	42	1659	0.023	ppbv #	4
42) Bromodichloromethane	7.80	83	9152	0.067	ppbv #	33
44) 2,2,4-Trimethylpentane	7.88	57	652802	2.161	ppbv	89
51) 2-Hexanone	10.13	43	16339	0.105	ppbv #	54
52) Tetrachloroethene	11.25	164	6954	0.098	ppbv #	47
53) Toluene	9.82	91	1252326	6.066	ppbv	99
58) Ethyl Benzene	12.74	91	288884	1.070	ppbv	99
59) m/p-Xylene	12.99	91	786455	3.478	ppbv	98
60) o-Xylene	13.72	91	275852	1.249	ppbv	96
61) Styrene	13.56	104	1567	0.010	ppbv #	28
62) Isopropylbenzene	14.70	105	5352	0.016	ppbv #	49
64) n-propylbenzene	15.60	120	3586	0.041	ppbv #	1
65) tert-Butylbenzene	16.79	119	20903	0.072	ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031020\
Quantitation Report (Not Reviewed)

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Operator : SY/AP
Sample : L1861-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-2

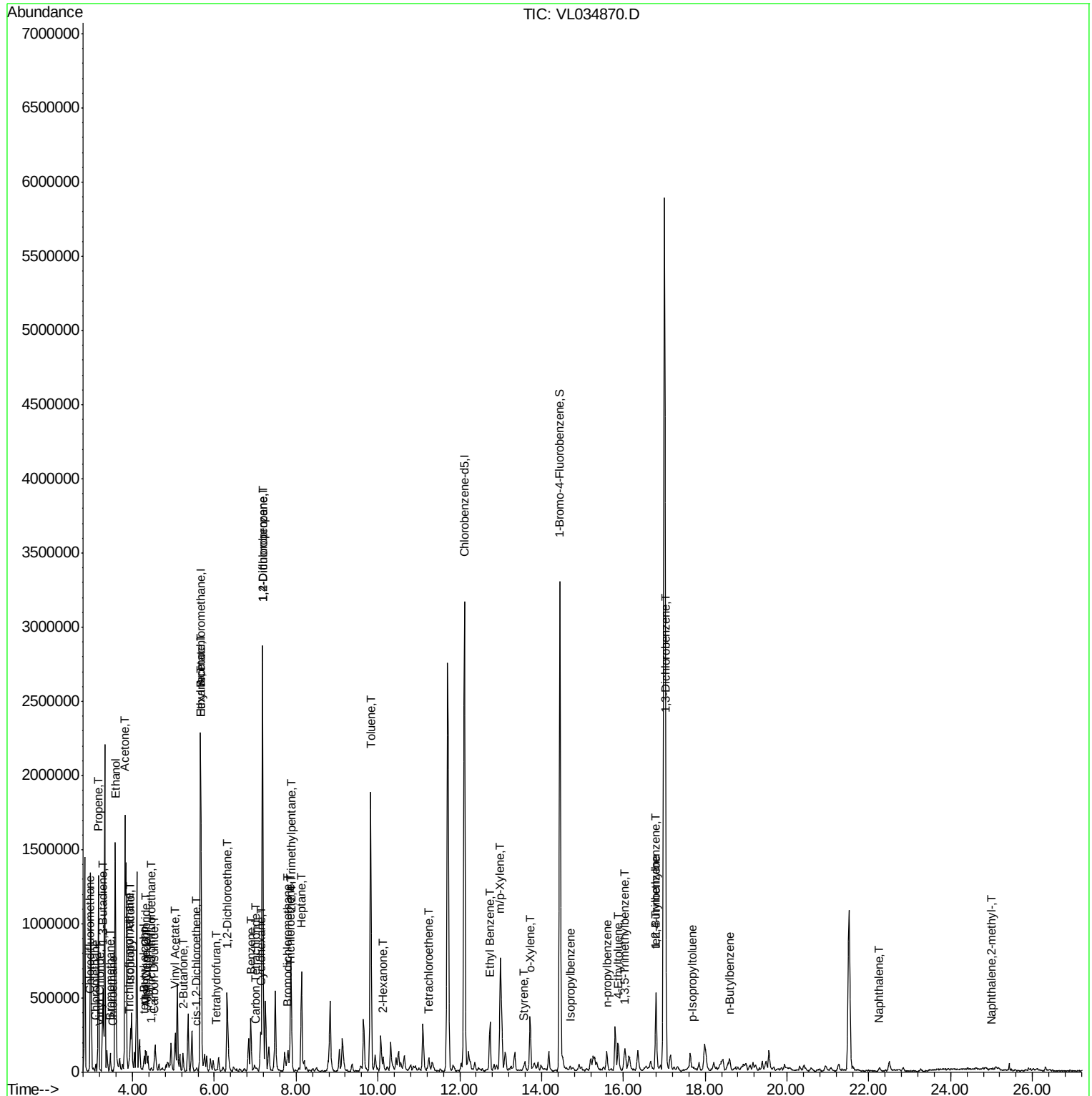
Quant Time: Mar 11 05:53:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

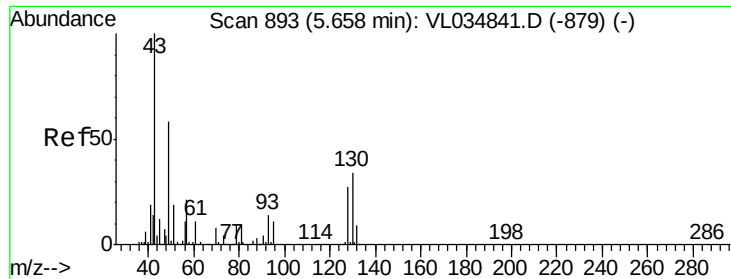
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.69	119	5091	0.015	ppbv #	46
70) n-Butylbenzene	18.59	91	12782	0.037	ppbv #	32
72) 4-Ethyltoluene	15.88	105	68973	0.265	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.04	105	36867	0.151	ppbv	88
74) 1,2,4-Trimethylbenzene	16.80	105	380405	1.513	ppbv #	75
75) 1,3-Dichlorobenzene	17.04	146	1968	0.013	ppbv #	22
79) Naphthalene	22.25	128	4908	0.025	ppbv #	1
80) Naphthalene,2-methyl-	25.01	142	4139	0.081	ppbv	97

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

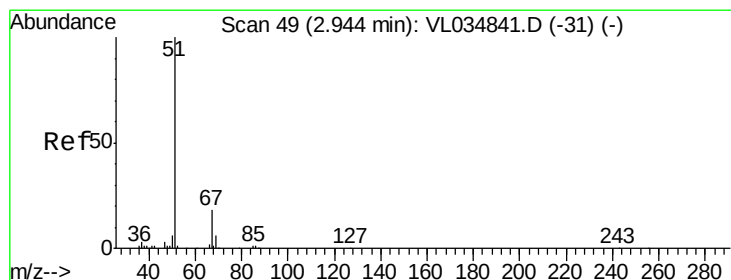
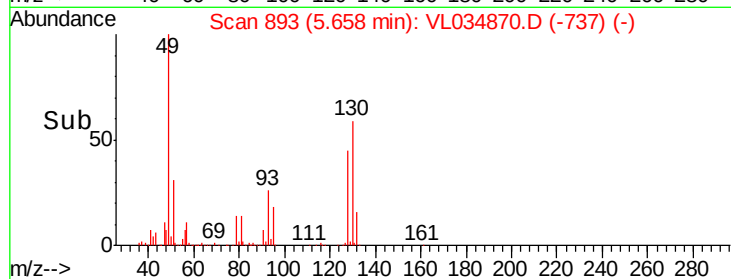
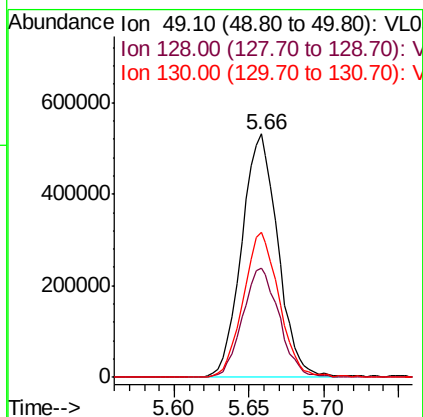
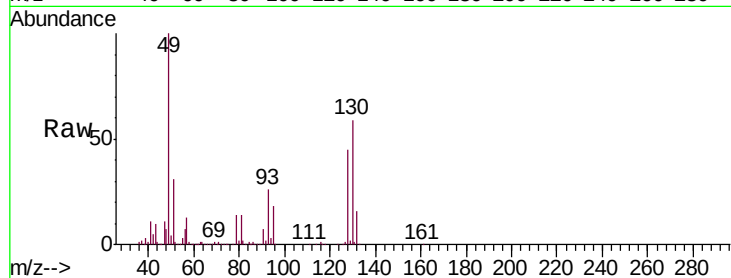




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

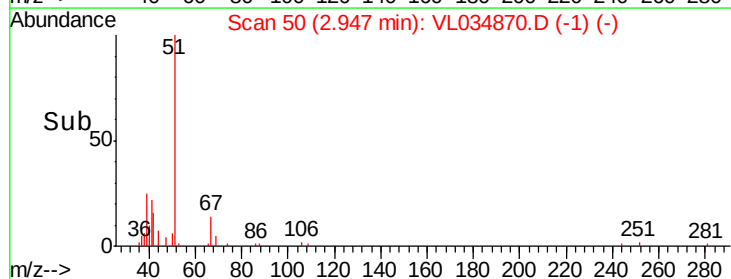
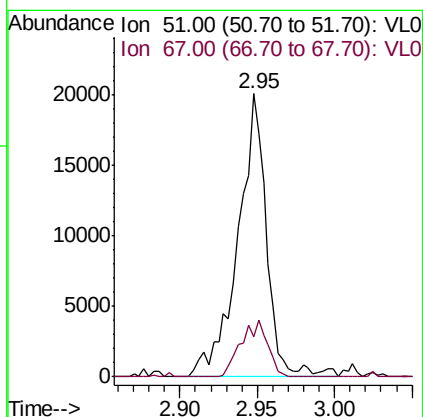
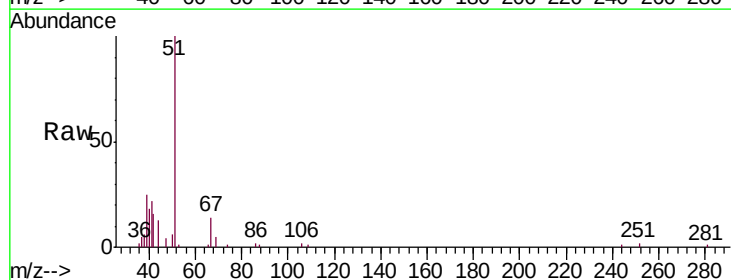
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2

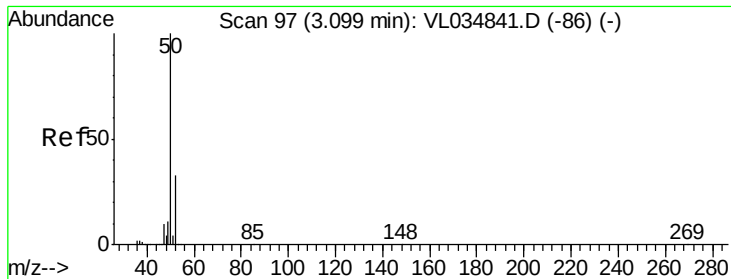
Tgt Ion: 49 Resp: 894743
 Ion Ratio Lower Upper
 49 100
 128 45.5 23.4 70.3
 130 59.6 30.0 90.0



#3
 Chlorodifluoromethane
 Concen: 0.259 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Tgt Ion: 51 Resp: 25932
 Ion Ratio Lower Upper
 51 100
 67 18.4 14.3 21.5





#4

Chloromethane

Concen: 0.671 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

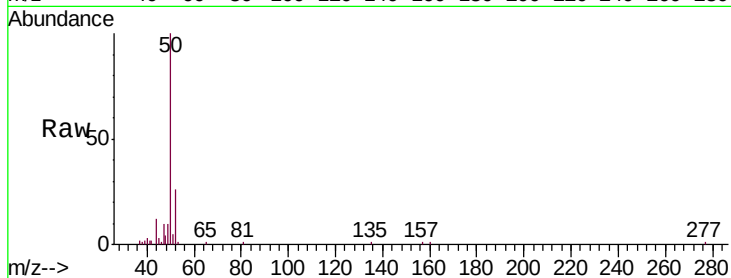
AA-2

Tgt Ion: 50 Resp: 37927

Ion Ratio Lower Upper

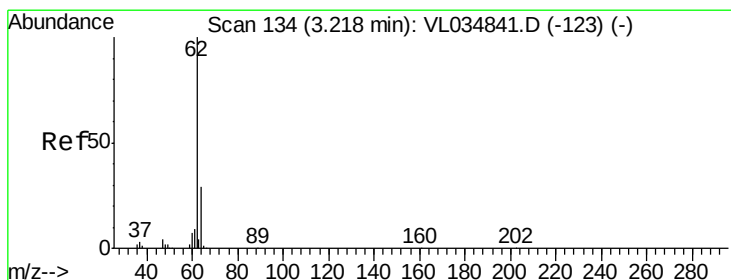
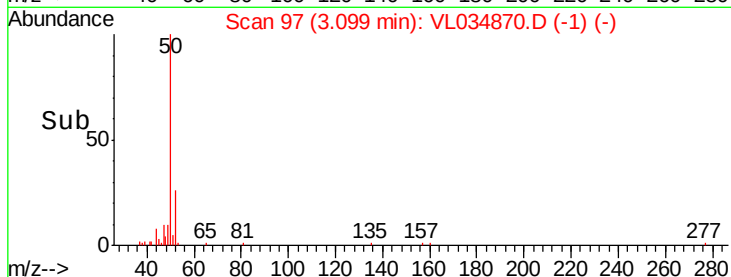
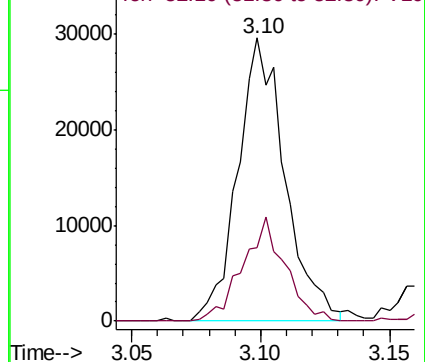
50 100

52 26.4 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 0.012 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.01 min

Lab File: VL034870.D

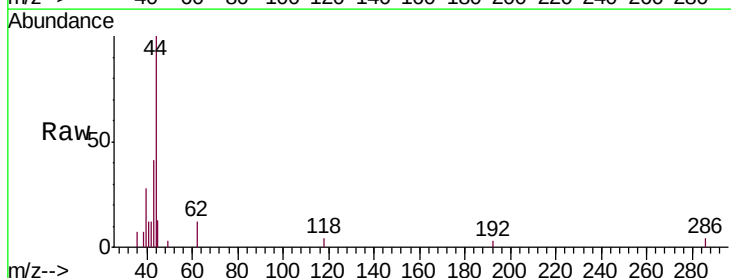
Acq: 10 Mar 2020 17:40

Tgt Ion: 62 Resp: 661

Ion Ratio Lower Upper

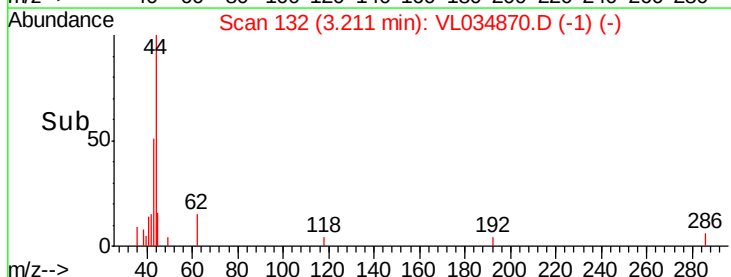
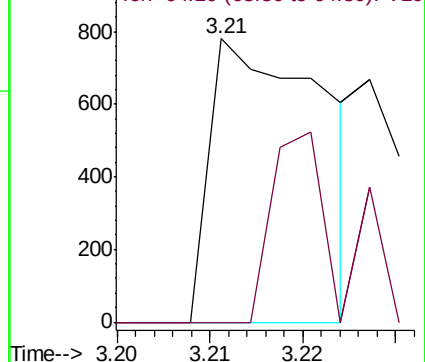
62 100

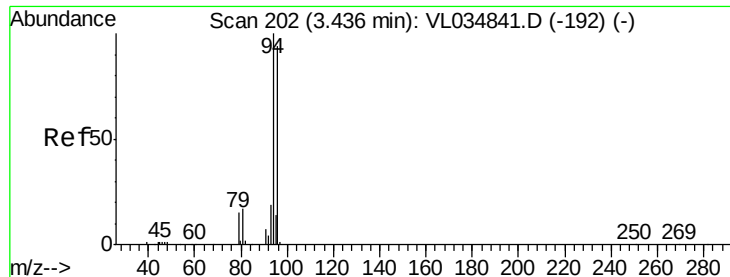
64 0.0 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#6

Bromomethane

Concen: 0.011 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

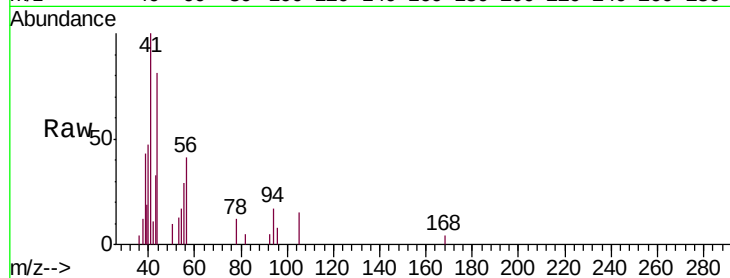
AA-2

Tgt Ion: 94 Resp: 351

Ion Ratio Lower Upper

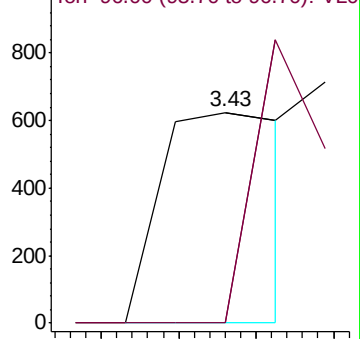
94 100

96 0.0 75.5 113.3#

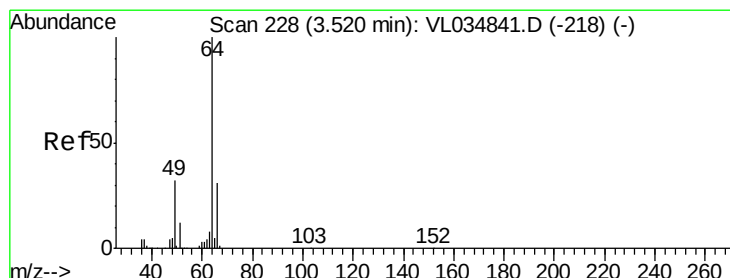
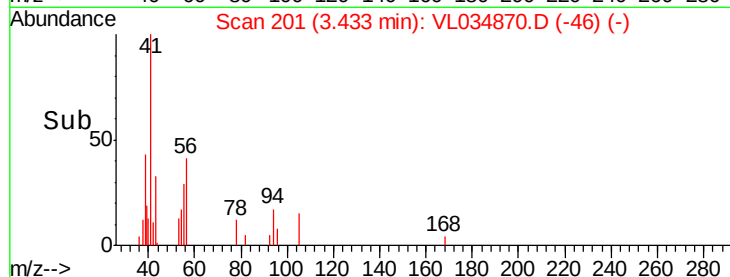


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->



#7

Chloroethane

Concen: 0.060 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034870.D

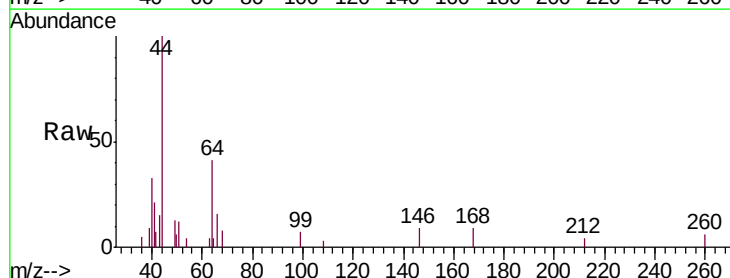
Acq: 10 Mar 2020 17:40

Tgt Ion: 64 Resp: 1171

Ion Ratio Lower Upper

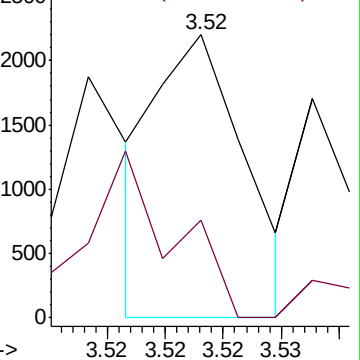
64 100

66 34.5 24.8 37.2

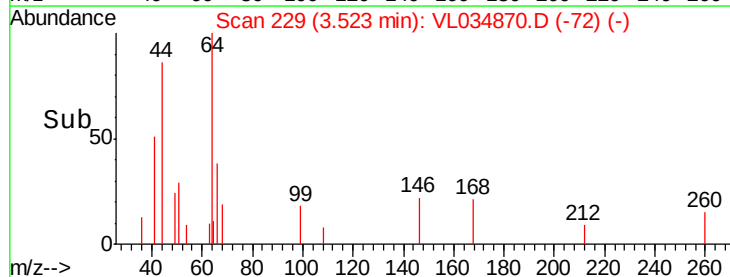


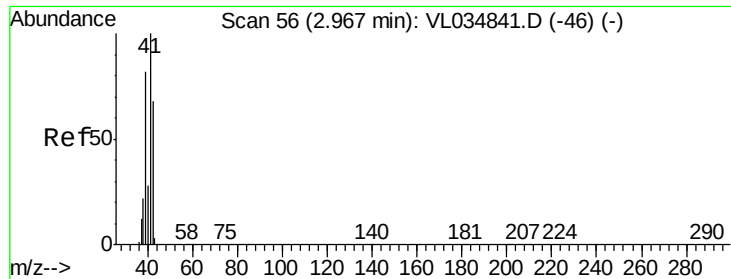
Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->





#9

Propene

Concen: 6.096 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.20 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

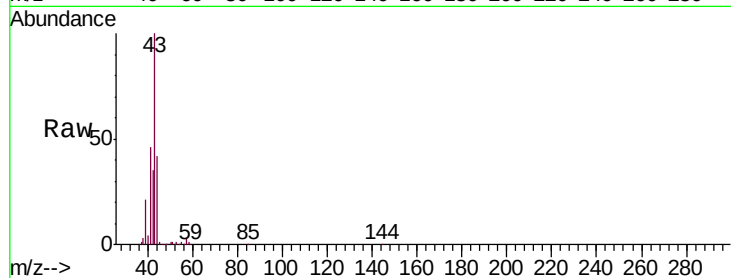
AA-2

Tgt Ion: 41 Resp: 290886

Ion Ratio Lower Upper

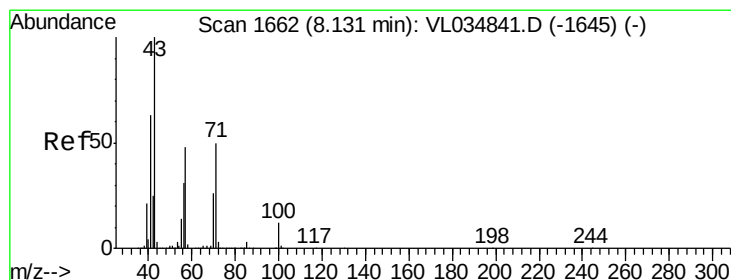
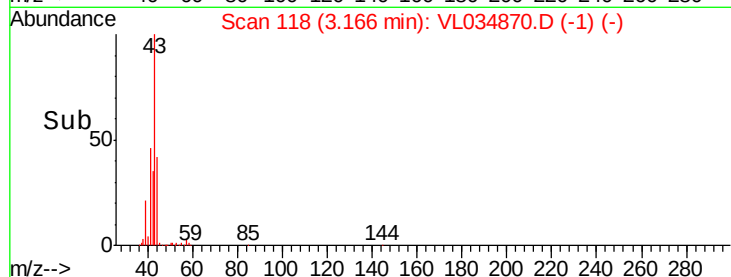
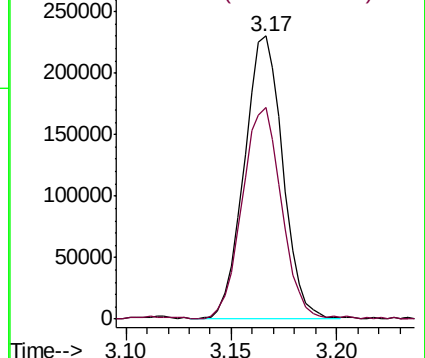
41 100

42 75.8 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.340 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL034870.D

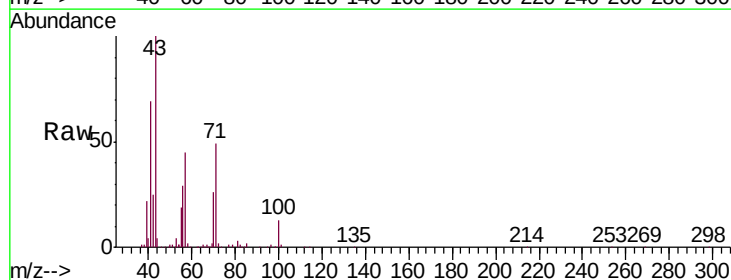
Acq: 10 Mar 2020 17:40

Tgt Ion: 43 Resp: 274830

Ion Ratio Lower Upper

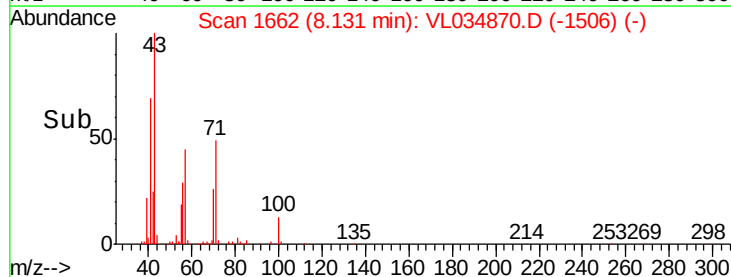
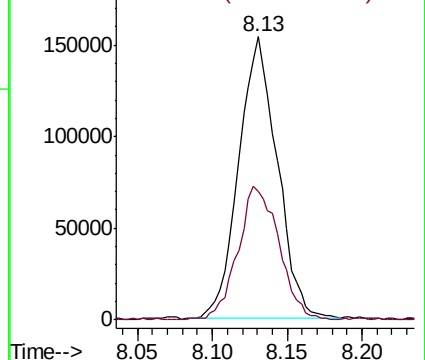
43 100

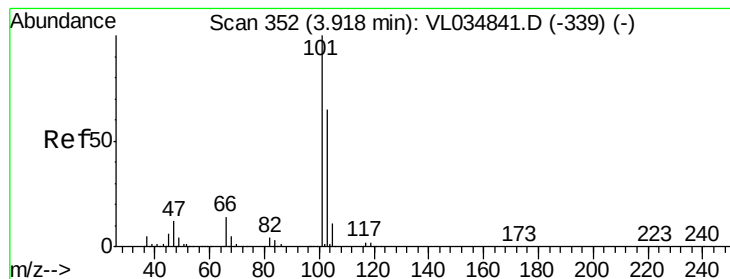
57 51.1 39.7 59.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.222 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

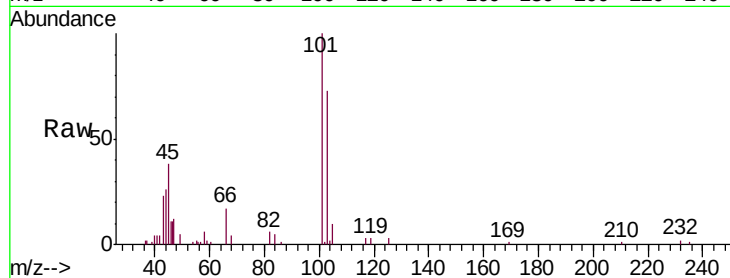
AA-2

Tgt Ion:101 Resp: 28905

Ion Ratio Lower Upper

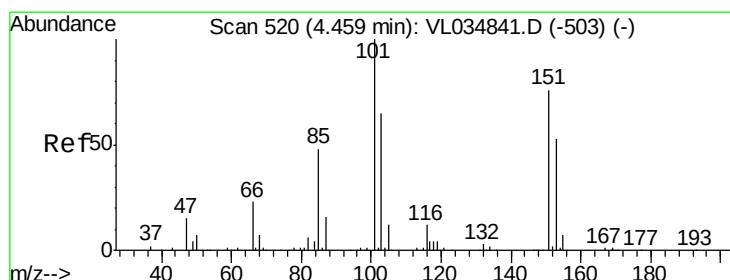
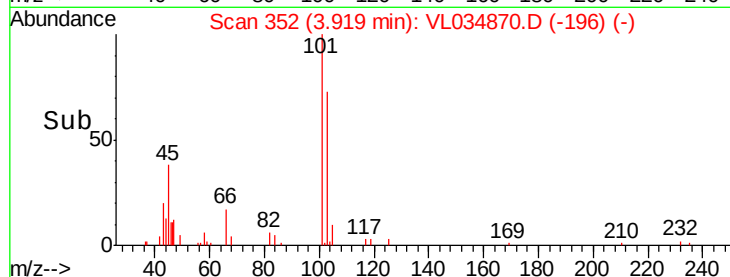
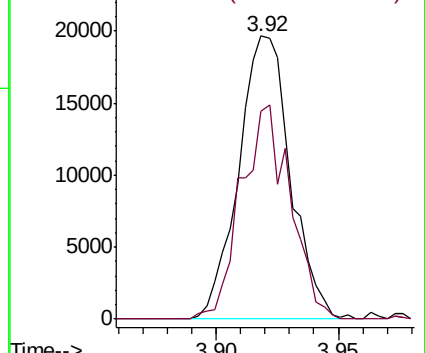
101 100

103 73.4 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL034870.D

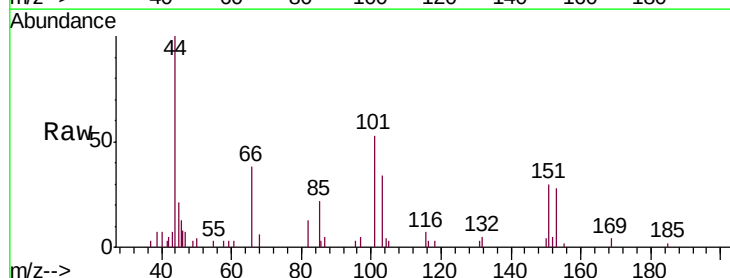
Acq: 10 Mar 2020 17:40

Tgt Ion:101 Resp: 3197

Ion Ratio Lower Upper

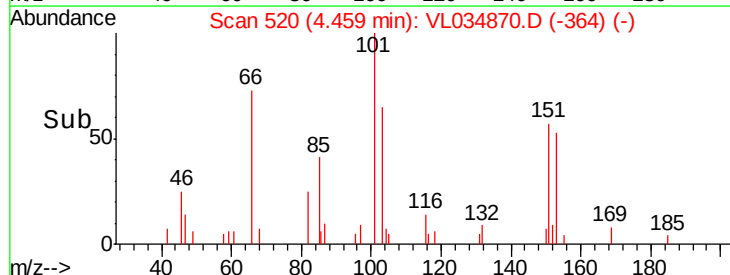
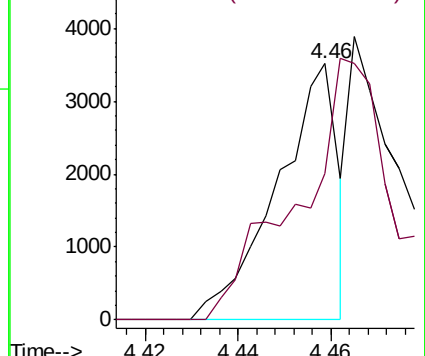
101 100

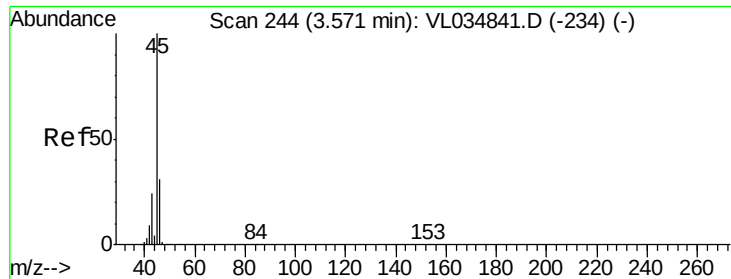
151 0.0 60.8 91.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

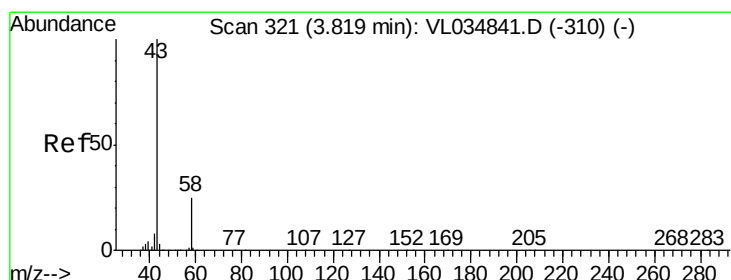
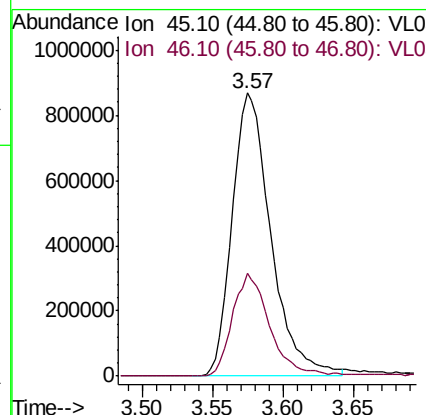
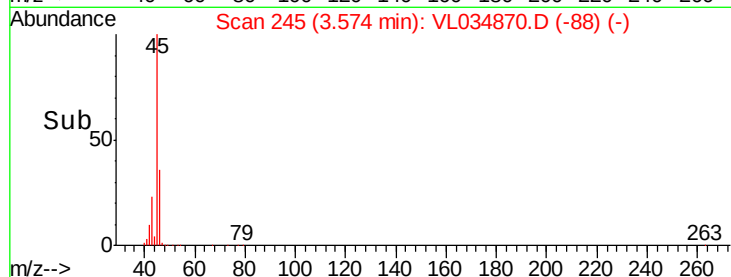
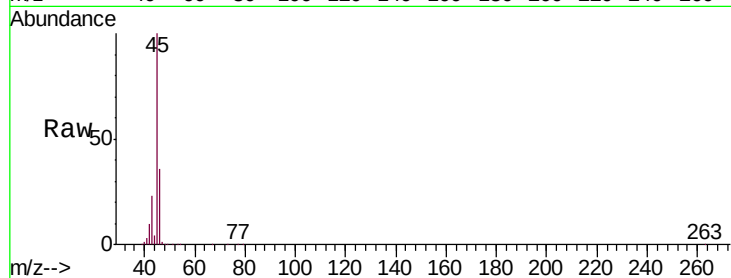




#13
Ethanol
Concen: 114.991 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

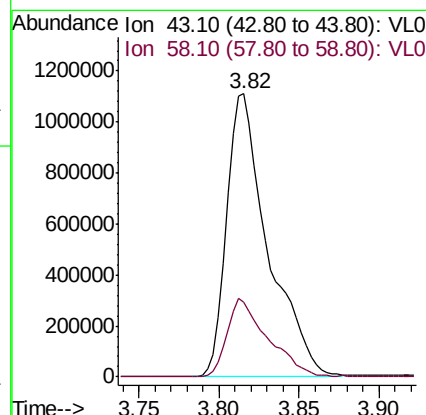
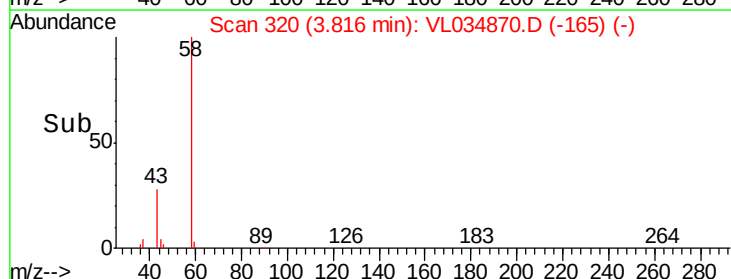
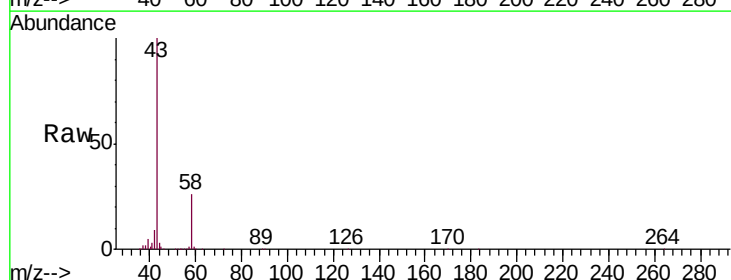
Instrument :
MSVOA_L
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AA-2

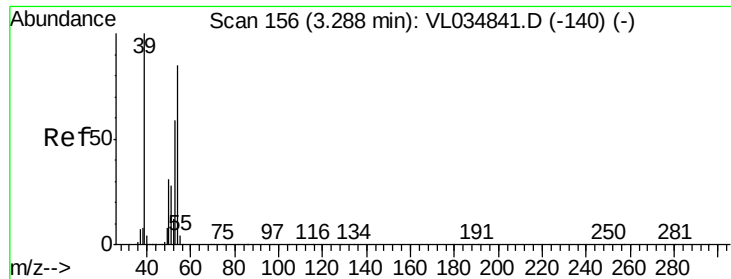
Tgt Ion: 45 Resp: 1668278
Ion Ratio Lower Upper
45 100
46 36.0 16.0 64.0



#15
Acetone
Concen: 16.882 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion: 43 Resp: 1957724
Ion Ratio Lower Upper
43 100
58 27.7 21.0 31.6

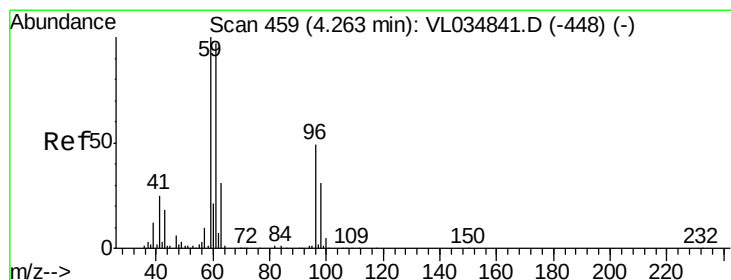
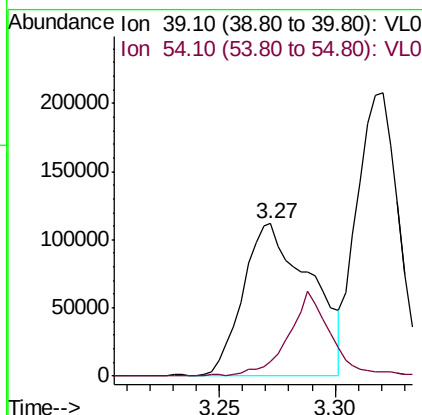
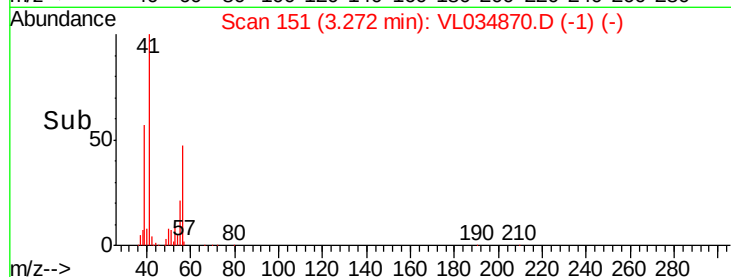
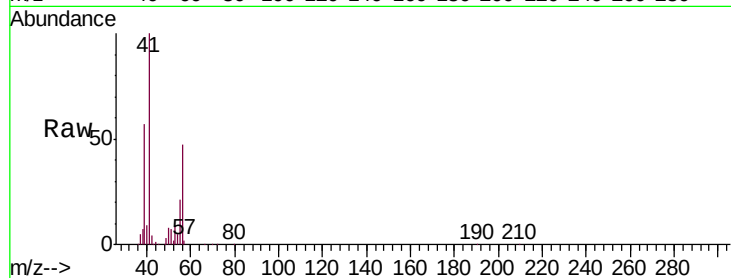




#16
1,3-Butadiene
Concen: 4.305 ppbv
RT: 3.27 min Scan# 151
Delta R.T. -0.02 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

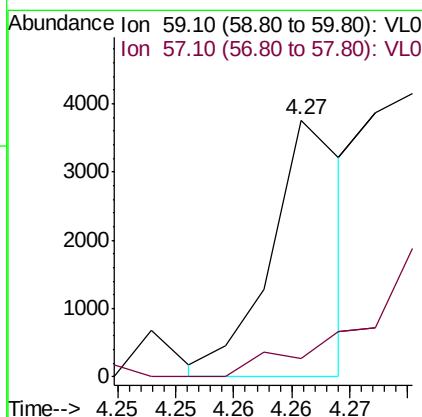
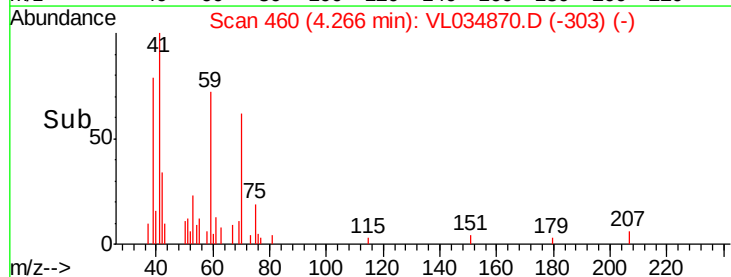
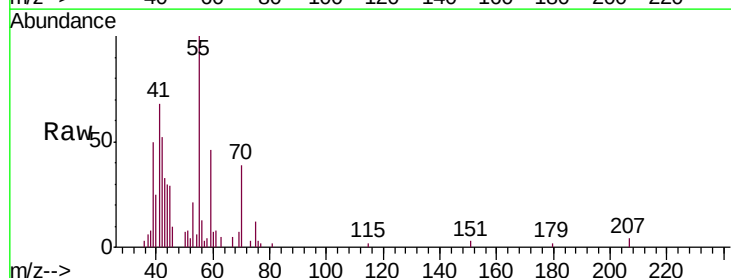
Instrument :
MSVOA_L
ClientSampleId :
AA-2

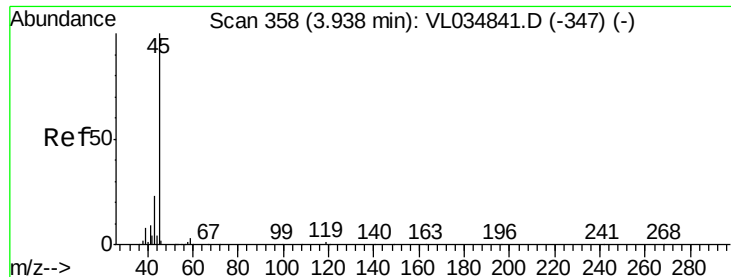
Tgt Ion: 39 Resp: 225778
Ion Ratio Lower Upper
39 100
54 35.4 65.0 97.6#



#17
tert-Butyl alcohol
Concen: 0.015 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion: 59 Resp: 1683
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 3.837 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

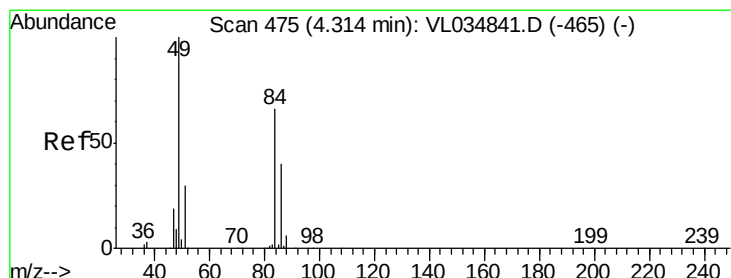
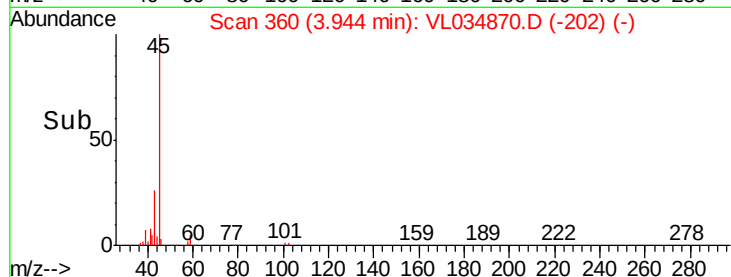
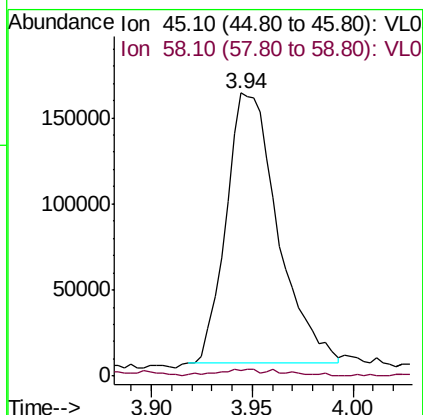
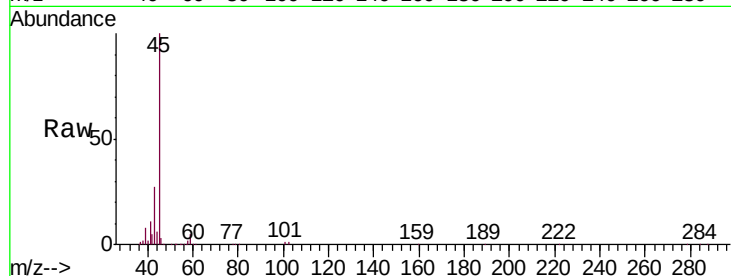
AA-2

Tgt Ion: 45 Resp: 281003

Ion Ratio Lower Upper

45 100

58 192.7 30.5 45.7#



#20

Methylene Chloride

Concen: 0.993 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Tgt Ion: 84 Resp: 36412

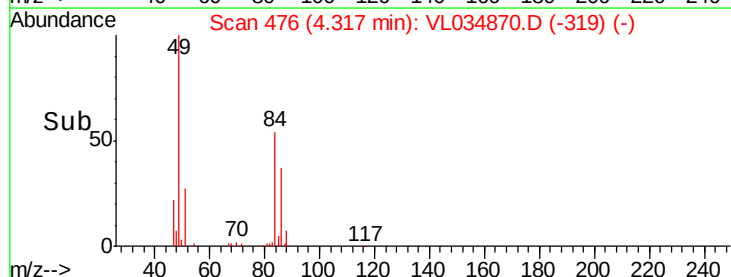
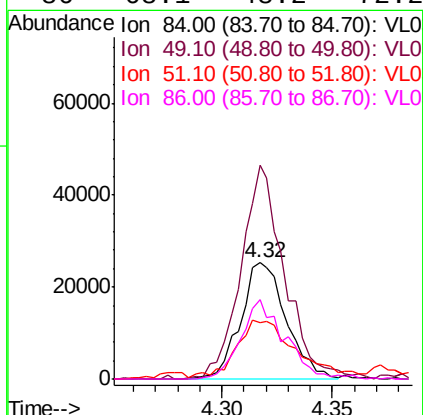
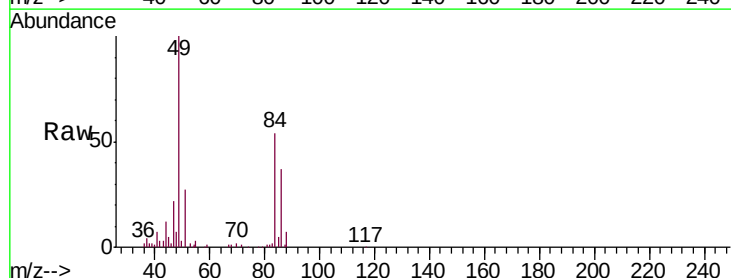
Ion Ratio Lower Upper

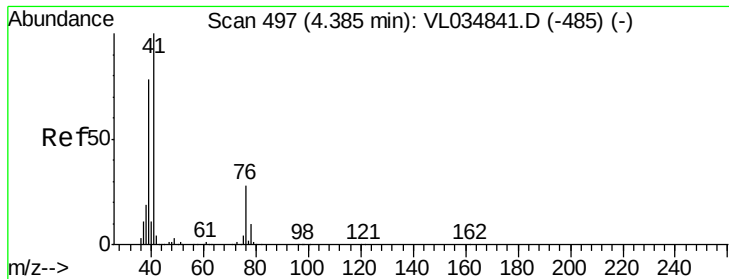
84 100

49 182.9 121.5 182.3#

51 48.0 36.6 55.0

86 68.1 48.2 72.2





#21

Allyl Chloride

Concen: 0.054 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.04 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

AA-2

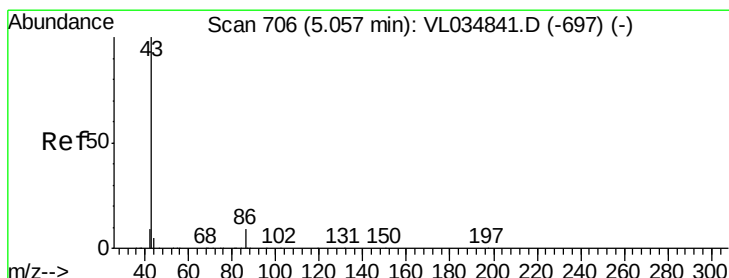
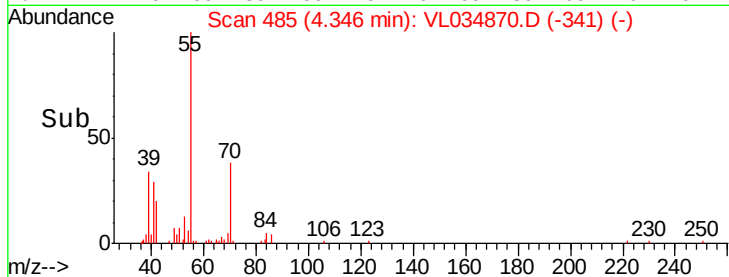
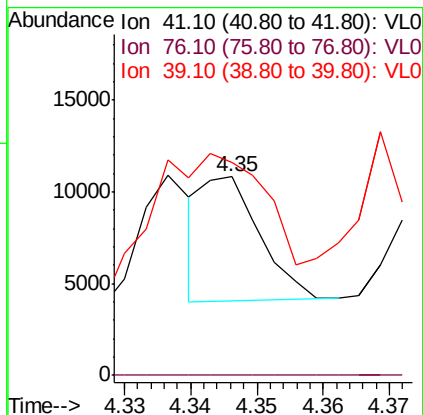
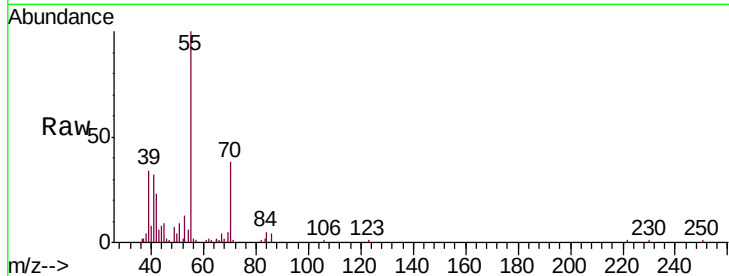
Tgt Ion: 41 Resp: 4052

Ion Ratio Lower Upper

41 100

76 0.0 22.2 33.2#

39 422.0 62.6 93.8#



#23

Vinyl Acetate

Concen: 0.291 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Tgt Ion: 43 Resp: 49788

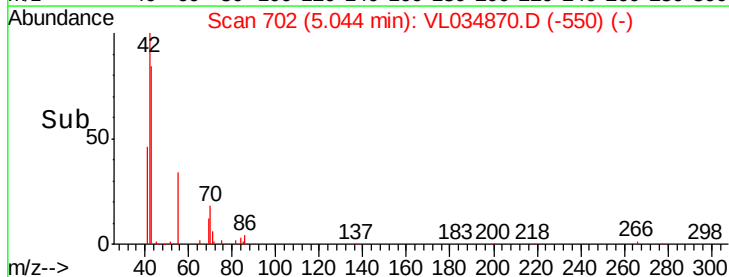
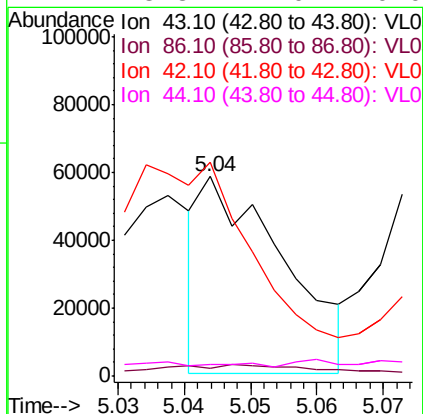
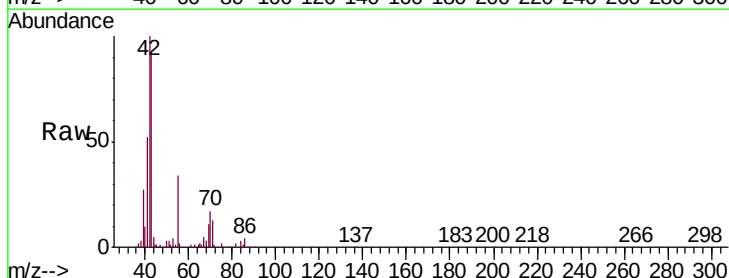
Ion Ratio Lower Upper

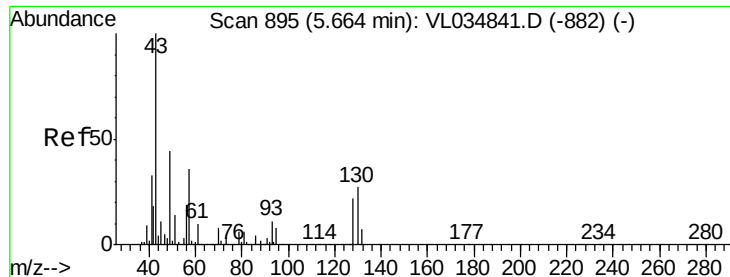
43 100

86 1.6 6.3 9.5#

42 137.5 7.8 11.8#

44 3.3 4.0 6.0#

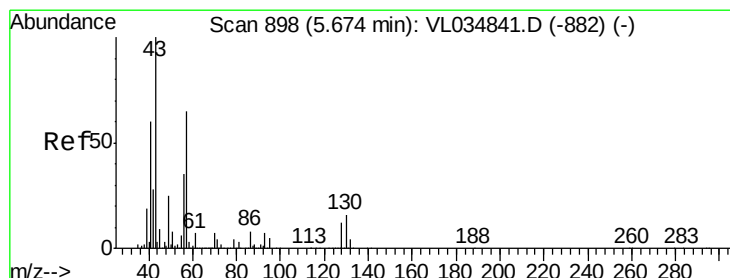
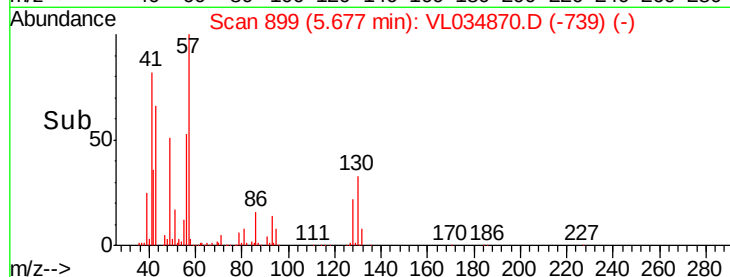
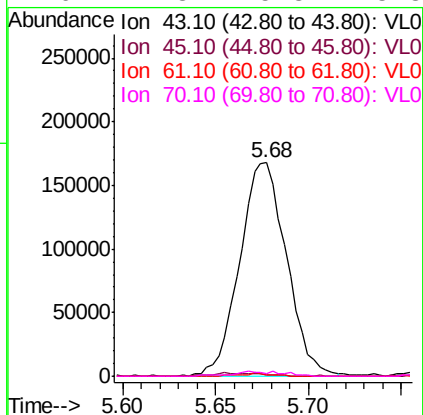
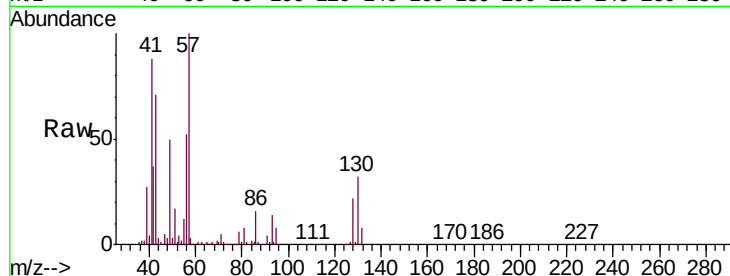




#25
Ethyl Acetate
Concen: 1.417 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

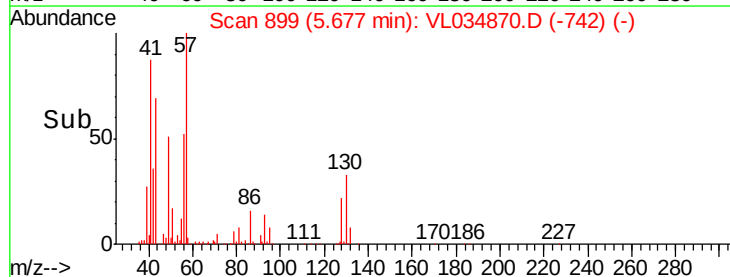
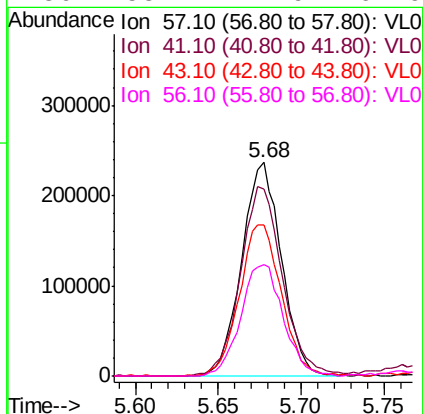
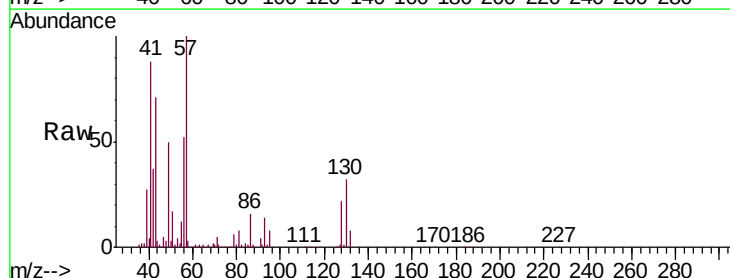
Instrument :
MSVOA_L
ClientSampleId :
AA-2

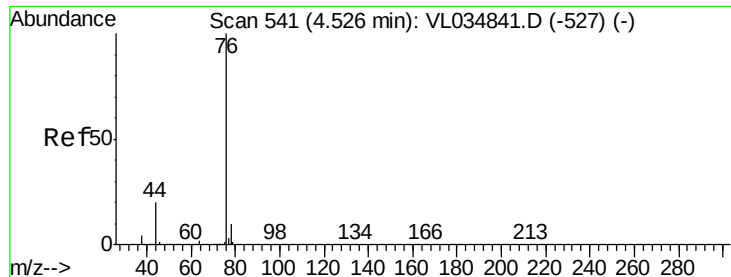
Tgt Ion:	43	Resp:	292742
Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.2	12.2#
61	1.1	7.8	11.6#
70	2.3	5.8	8.8#



#26
Hexane
Concen: 4.421 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion:	57	Resp:	393333
Ion	Ratio	Lower	Upper
57	100		
41	94.5	72.6	109.0
43	75.3	183.8	275.6#
56	55.7	41.9	62.9





#27

Carbon Disulfide

Concen: 0.226 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

AA-2

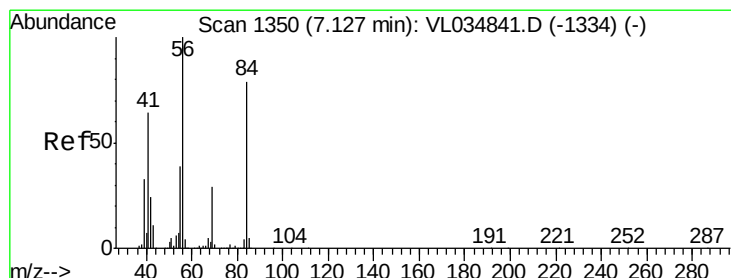
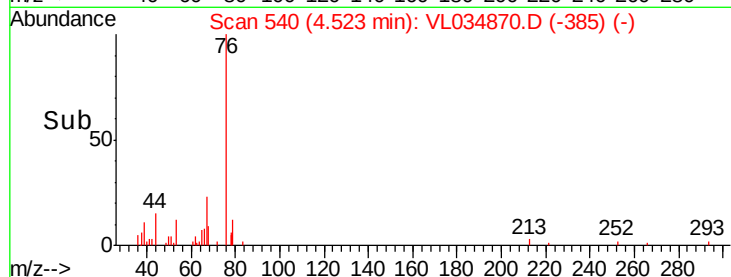
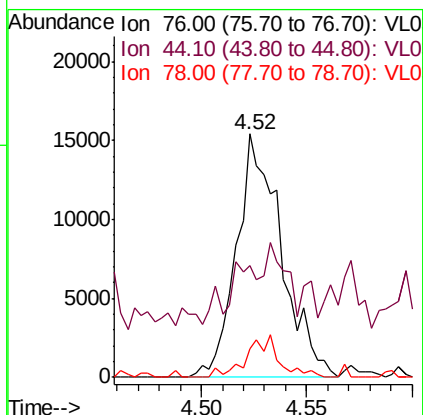
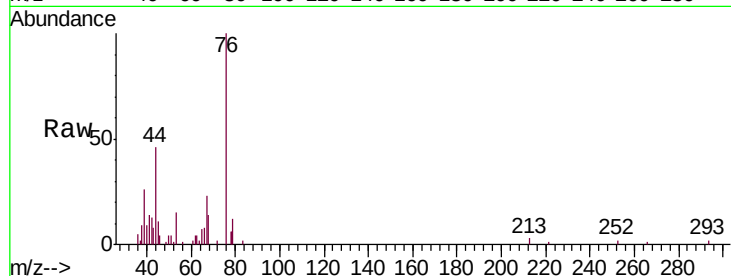
Tgt Ion: 76 Resp: 22773

Ion Ratio Lower Upper

76 100

44 41.2 16.2 24.2#

78 14.1 7.8 11.6#



#30

Cyclohexane

Concen: 1.145 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

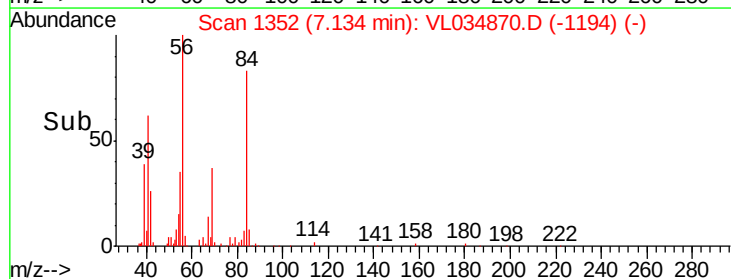
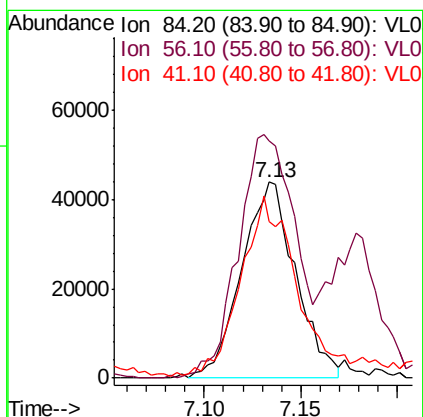
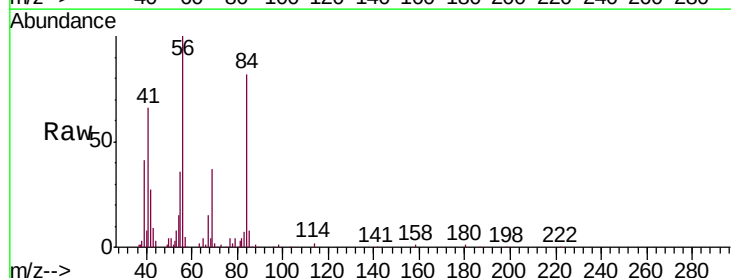
Tgt Ion: 84 Resp: 84988

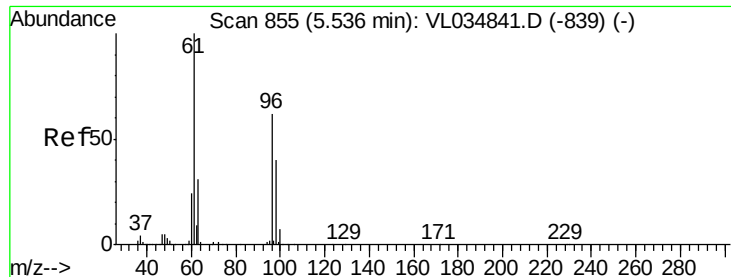
Ion Ratio Lower Upper

84 100

56 145.0 110.5 165.7

41 97.8 68.2 102.4



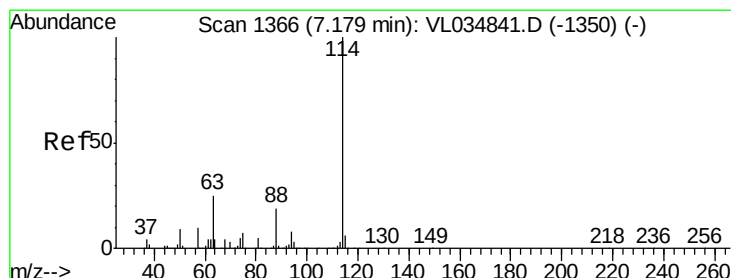
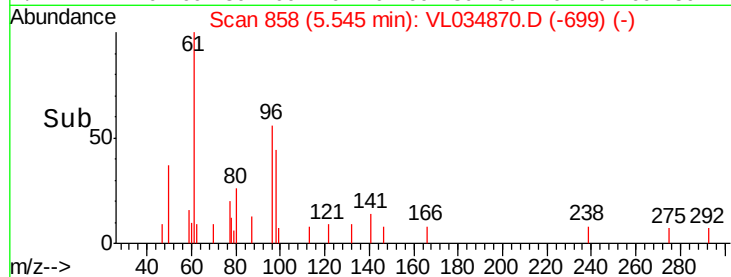
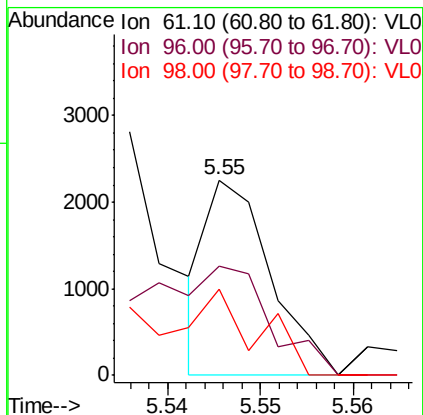
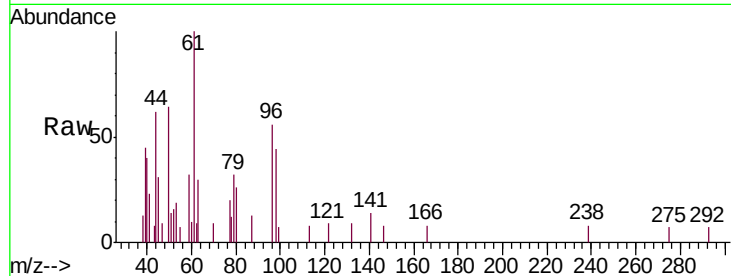


#31

cis-1,2-Dichloroethene
 Concen: 0.012 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2

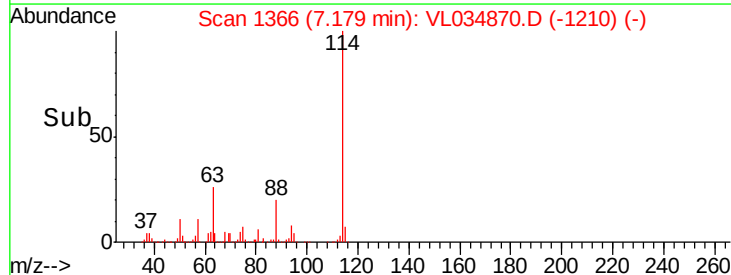
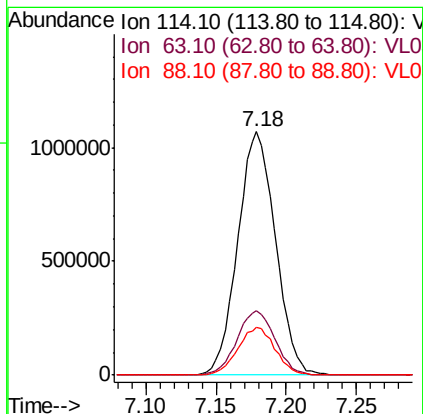
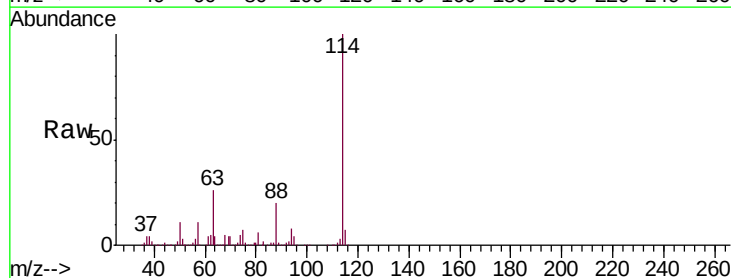
Tgt Ion:	61	Resp:	1075
Ion	Ratio	Lower	Upper
61	100		
96	55.9	49.8	74.8
98	44.0	32.2	48.4

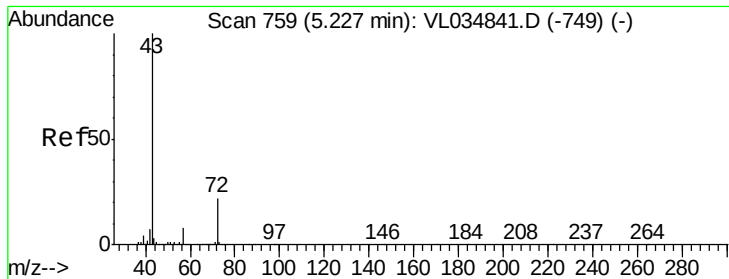


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Tgt Ion:	114	Resp:	2005576
Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.6	31.0
88	19.3	15.0	22.6

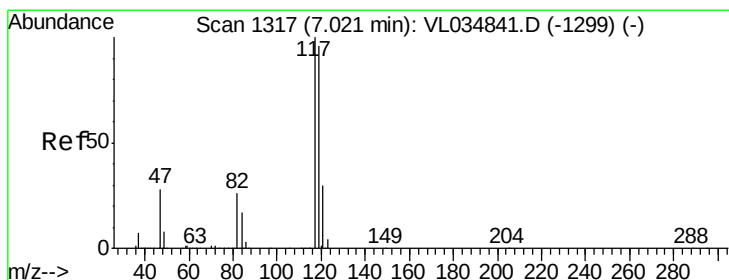
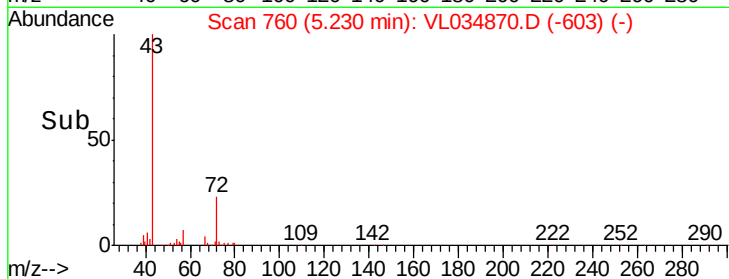
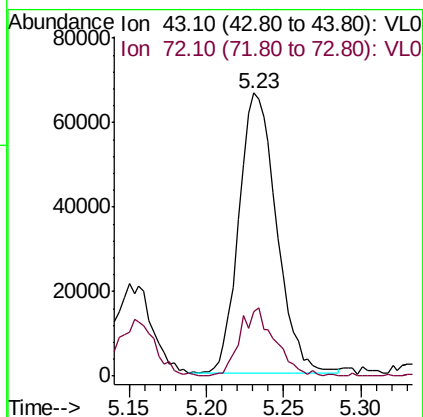
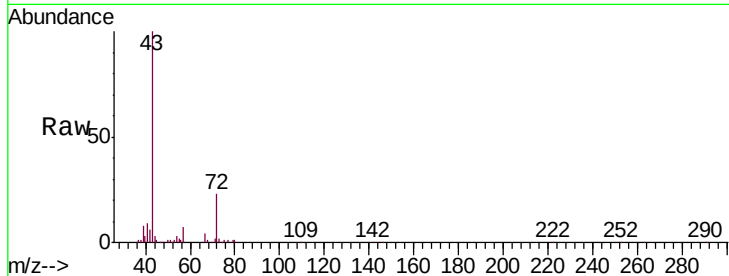




#34
2-Butanone
Concen: 0.841 ppbv
RT: 5.23 min Scan# 760
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

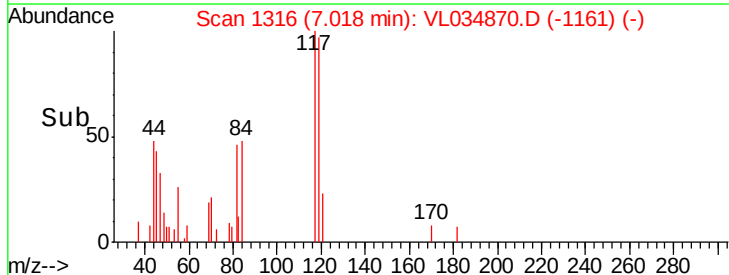
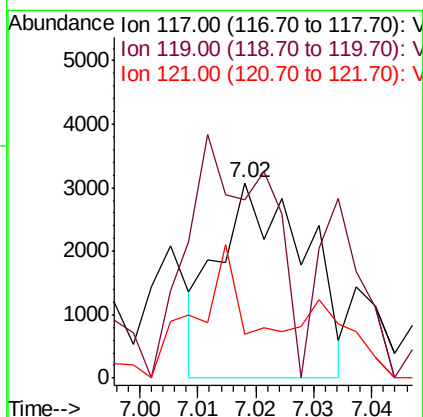
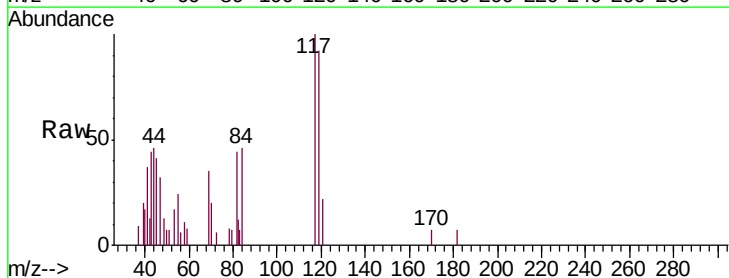
Instrument :
MSVOA_L
ClientSampleId :
AA-2

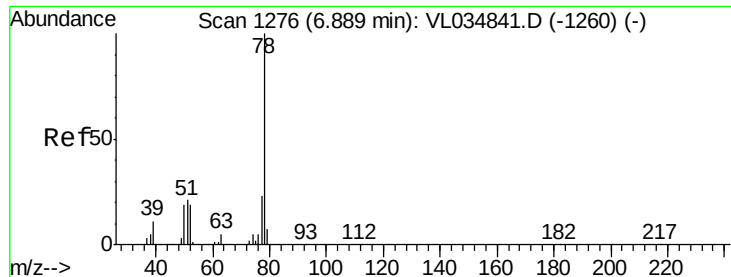
Tgt Ion: 43 Resp: 112030
Ion Ratio Lower Upper
43 100
72 22.6 17.6 26.4



#35
Carbon Tetrachloride
Concen: 0.026 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion: 117 Resp: 3187
Ion Ratio Lower Upper
117 100
119 26.9 77.0 115.4#
121 0.0 24.0 36.0#





#36

Benzene

Concen: 1.549 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

AA-2

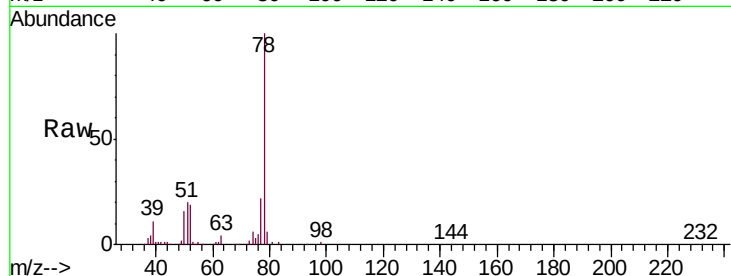
Tgt Ion: 78 Resp: 276959

Ion Ratio Lower Upper

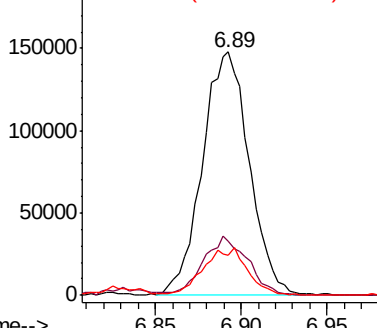
78 100

77 22.1 18.2 27.2

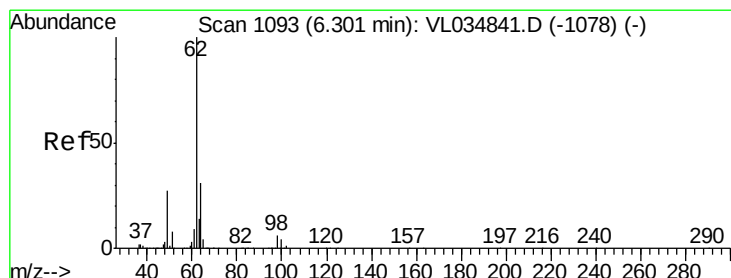
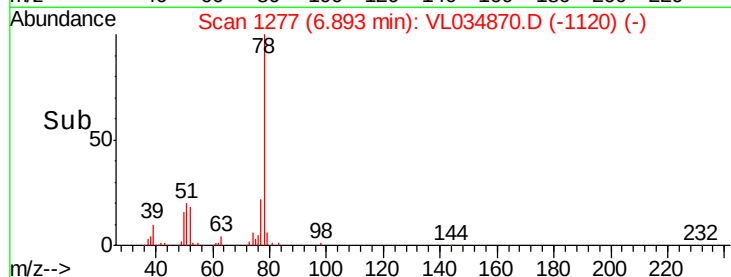
50 16.2 15.2 22.8



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



Time-->



#37

1,2-Dichloroethane

Concen: 0.012 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL034870.D

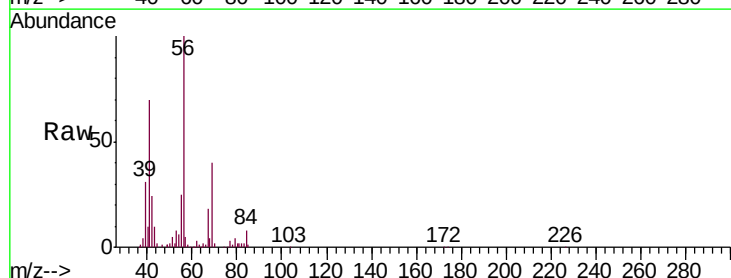
Acq: 10 Mar 2020 17:40

Tgt Ion: 62 Resp: 1217

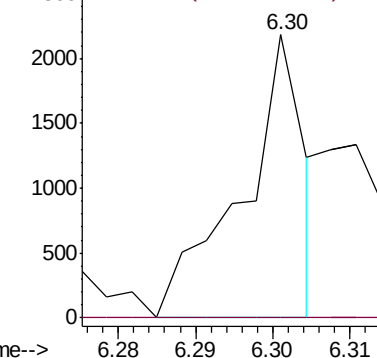
Ion Ratio Lower Upper

62 100

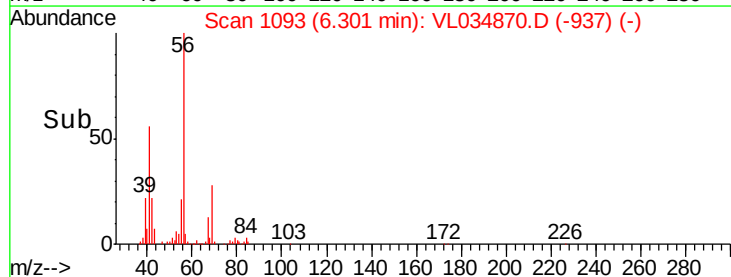
98 0.0 5.2 7.8#

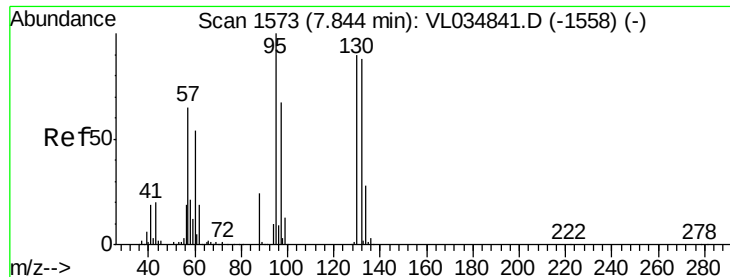


Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



Time-->





#38

Trichloroethene

Concen: 0.013 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

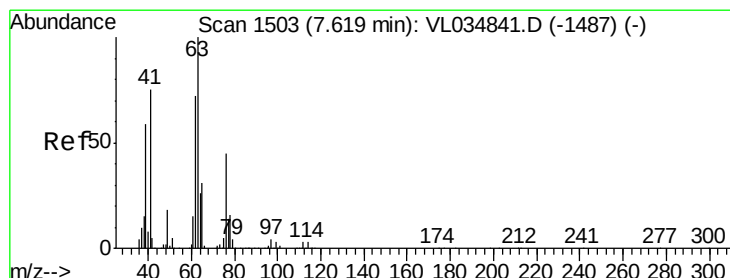
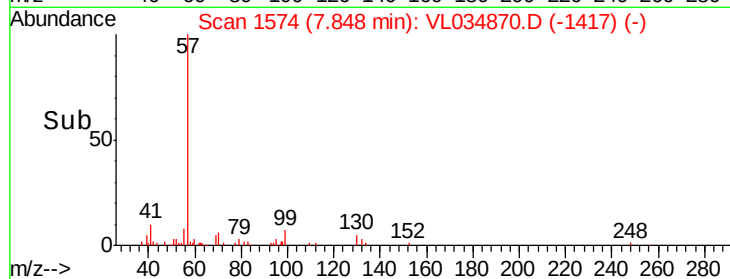
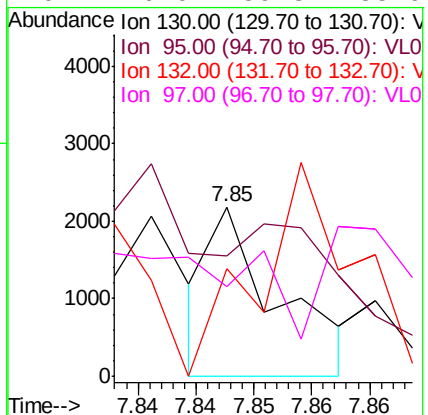
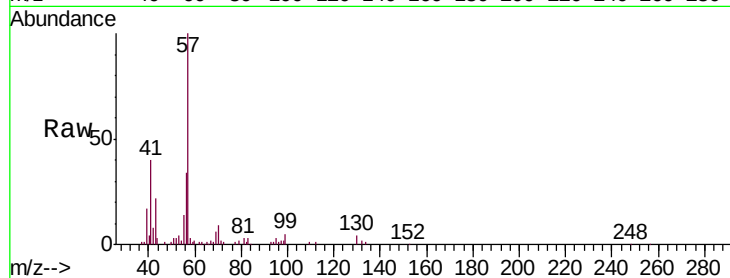
Instrument :

MSVOA_L

ClientSampleId :

AA-2

Tgt Ion:	130	Resp:	900
Ion	Ratio	Lower	Upper
130	100		
95	15.9	88.5	132.7#
132	90.6	78.0	117.0
97	0.0	59.3	88.9#



#39

1,2-Dichloropropane

Concen: 7.489 ppbv

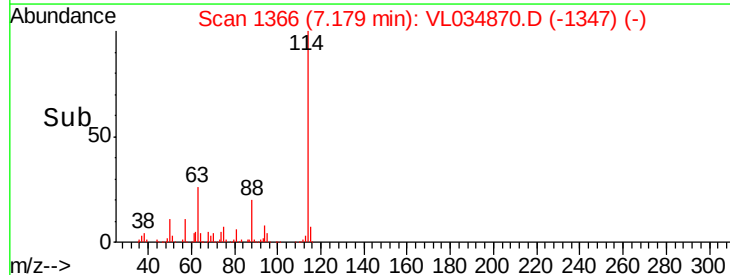
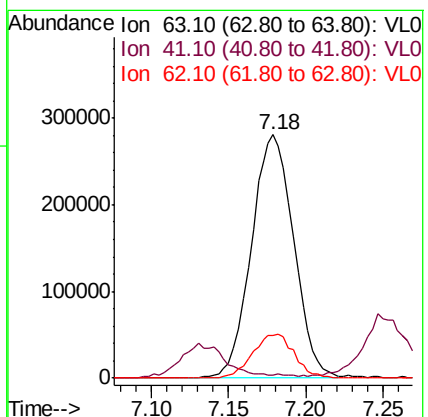
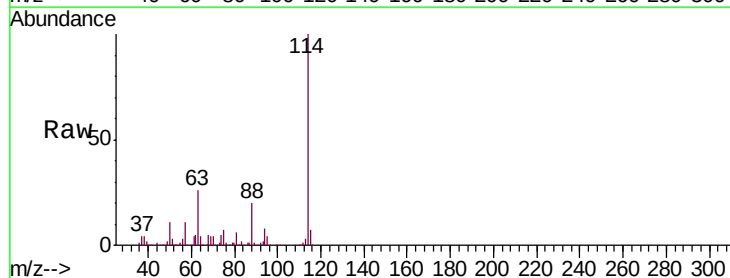
RT: 7.18 min Scan# 1366

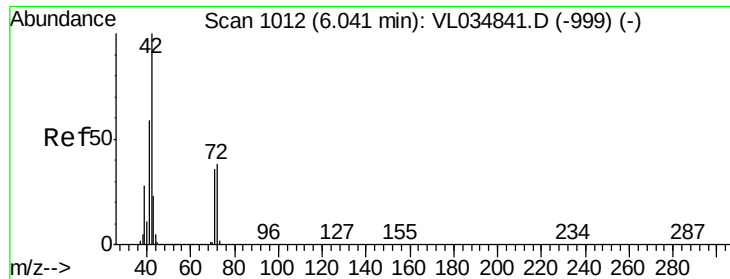
Delta R.T. -0.44 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Tgt Ion:	63	Resp:	530414
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.8	89.8#
62	17.6	57.6	86.4#





#41

Tetrahydrofuran

Concen: 0.023 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

AA-2

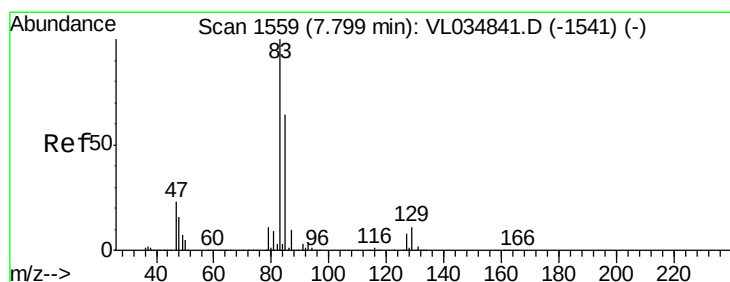
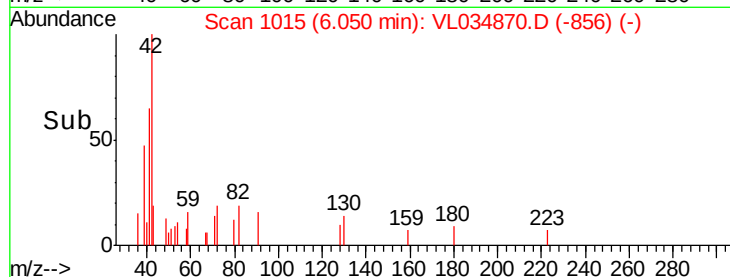
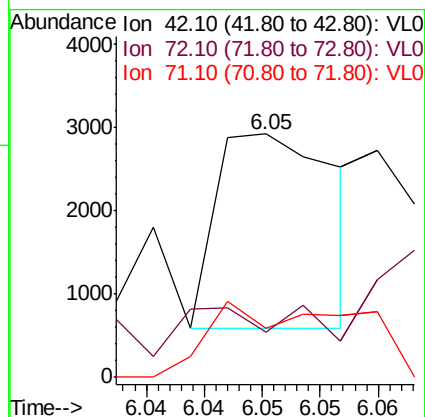
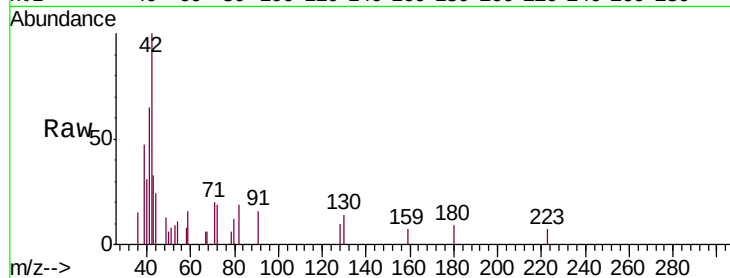
Tgt Ion: 42 Resp: 1659

Ion Ratio Lower Upper

42 100

72 117.2 30.8 46.2#

71 74.0 30.1 45.1#



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

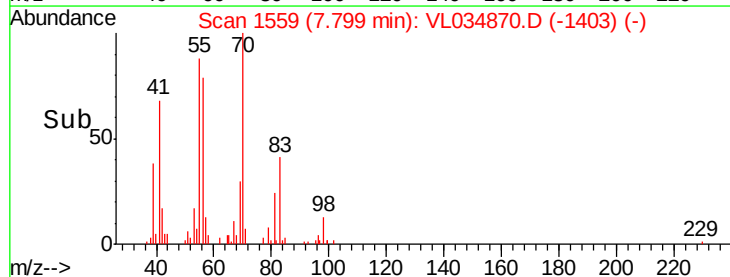
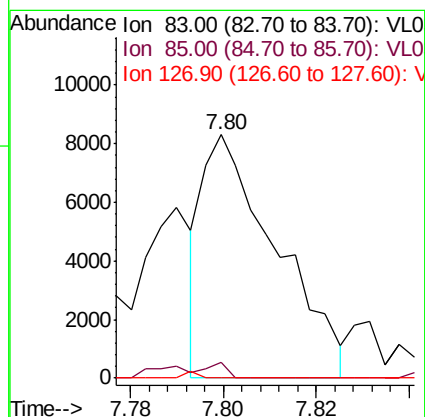
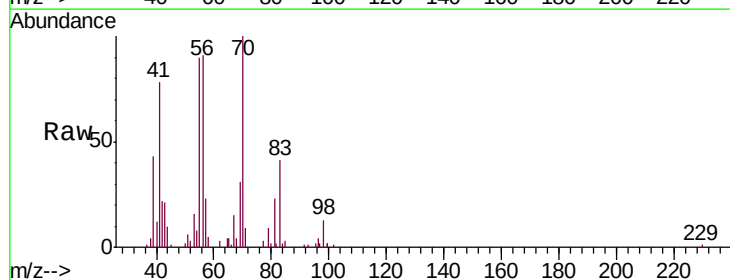
Tgt Ion: 83 Resp: 9152

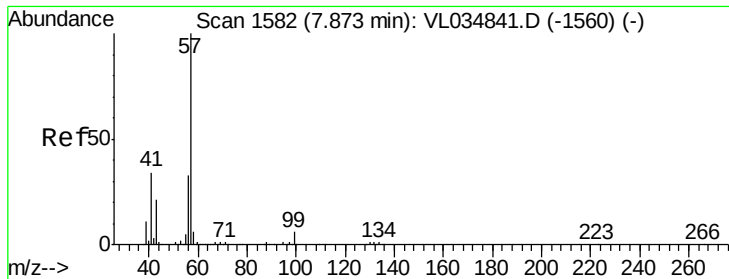
Ion Ratio Lower Upper

83 100

85 7.4 51.4 77.2#

127 0.0 6.2 9.4#

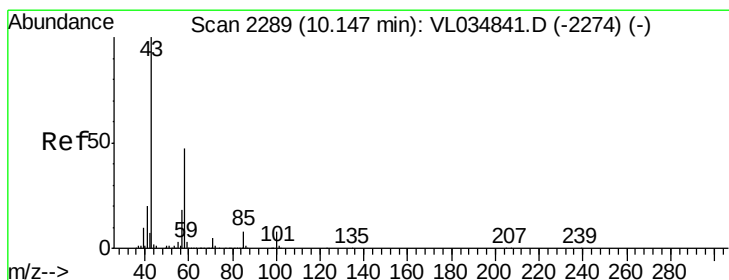
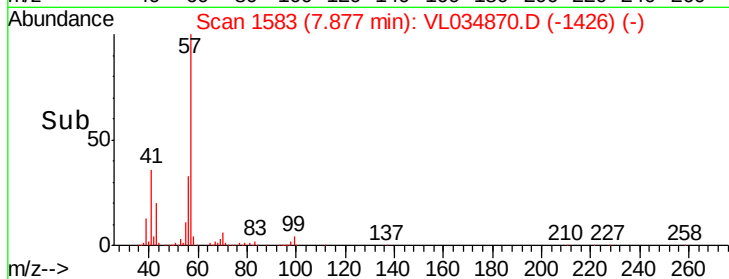
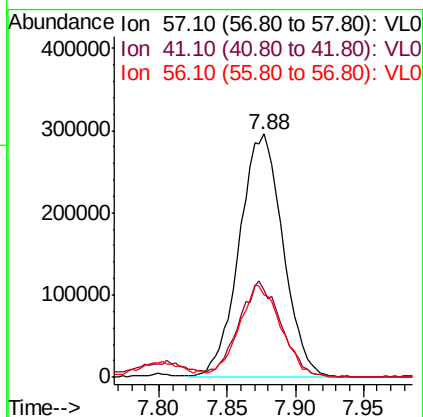
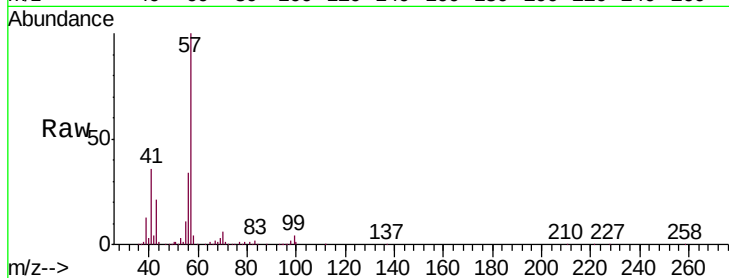




#44
 2,2,4-Trimethylpentane
 Concen: 2.161 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

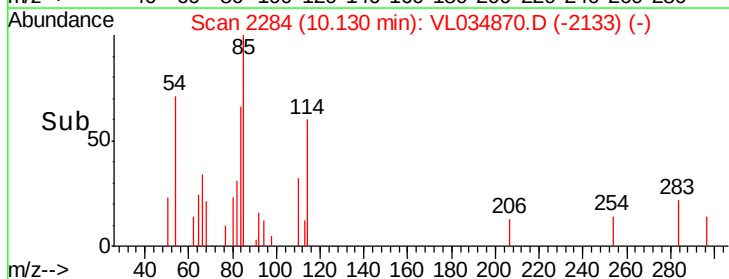
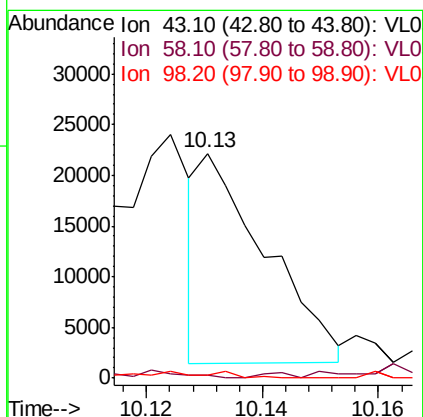
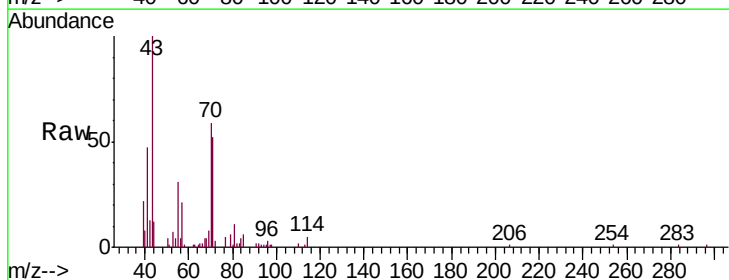
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2

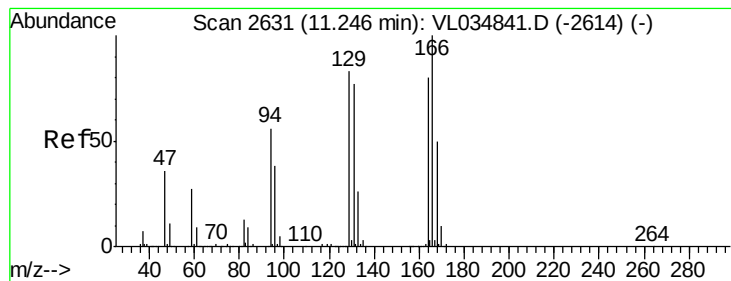
Tgt Ion: 57 Resp: 652802
 Ion Ratio Lower Upper
 57 100
 41 39.0 26.2 39.4
 56 37.0 25.0 37.4



#51
 2-Hexanone
 Concen: 0.105 ppbv
 RT: 10.13 min Scan# 2284
 Delta R.T. -0.02 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Tgt Ion: 43 Resp: 16339
 Ion Ratio Lower Upper
 43 100
 58 17.0 38.6 58.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.098 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

AA-2

Tgt Ion:164 Resp: 6954

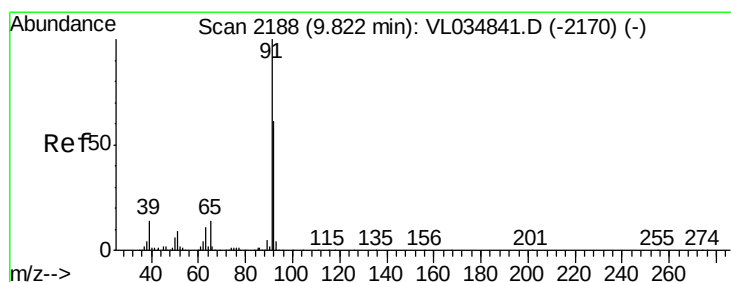
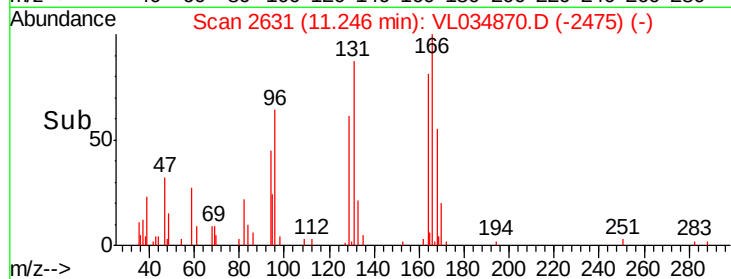
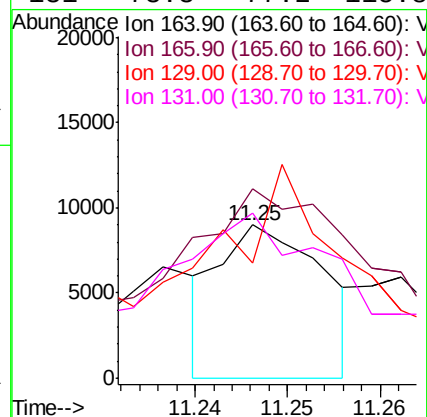
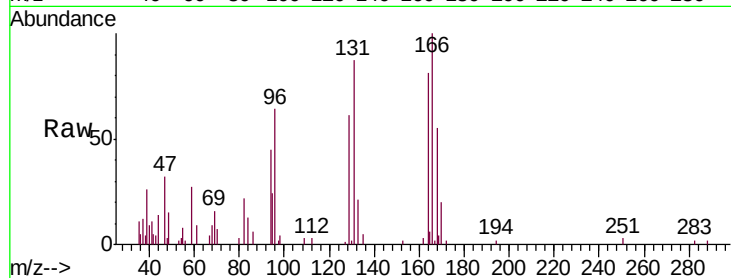
Ion Ratio Lower Upper

164 100

166 77.0 100.0 150.0#

129 7.9 83.1 124.7#

131 73.3 77.2 115.8#



#53

Toluene

Concen: 6.066 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034870.D

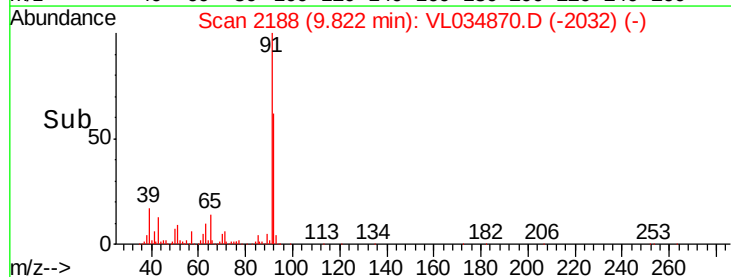
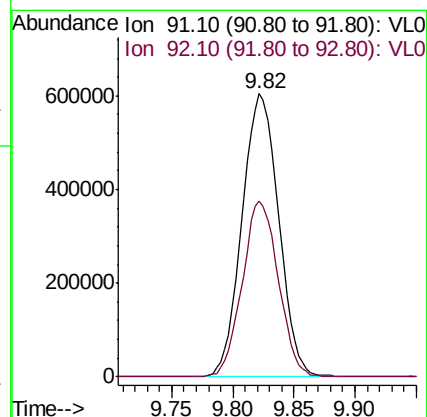
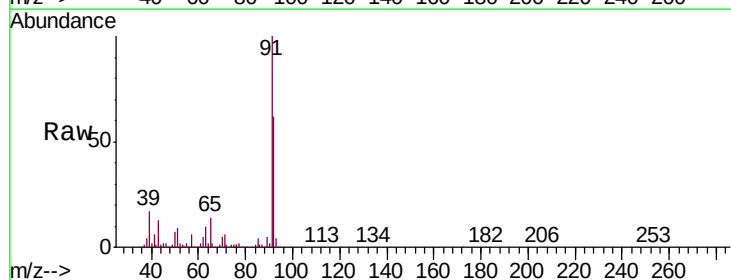
Acq: 10 Mar 2020 17:40

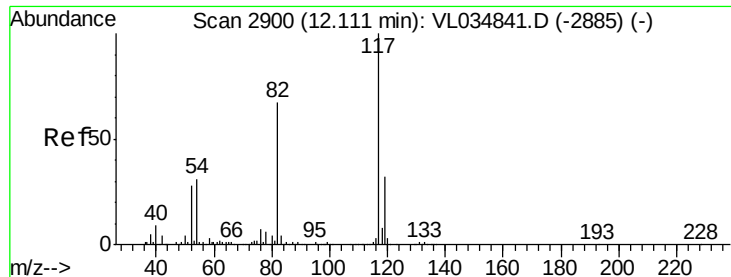
Tgt Ion: 91 Resp: 1252326

Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8

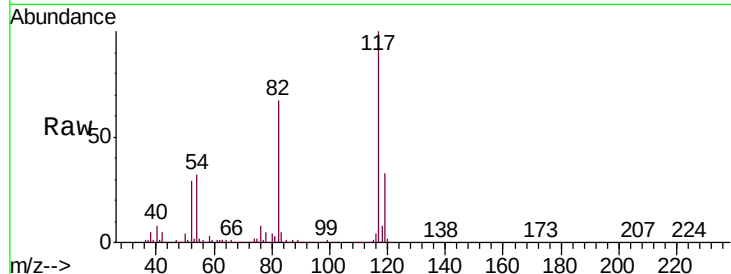




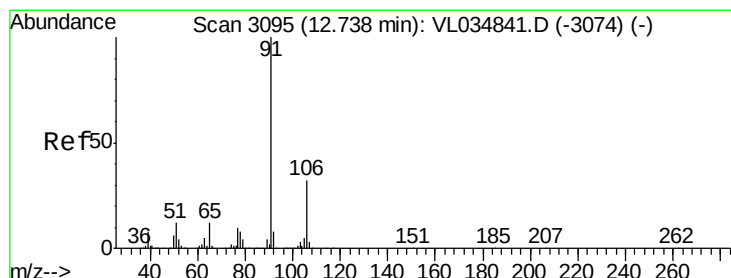
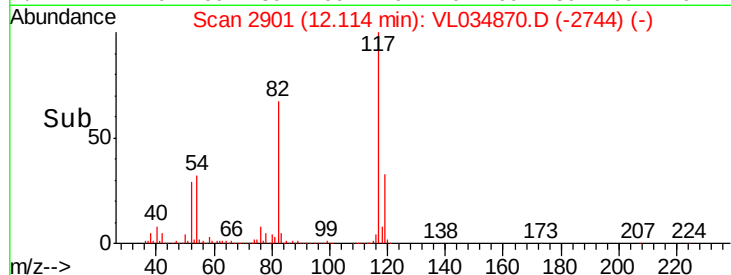
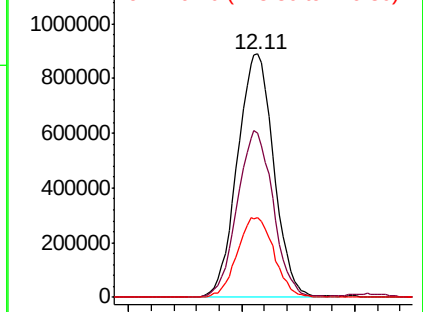
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Instrument :
MSVOA_L
ClientSampleId :
AA-2

Tgt Ion: 117 Resp: 1992995
Ion Ratio Lower Upper
117 100
82 67.6 51.1 76.7
119 33.3 27.3 40.9

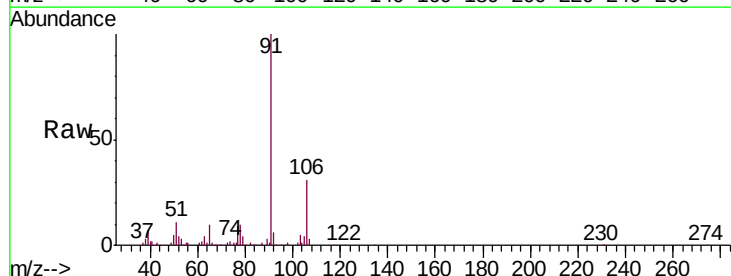


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

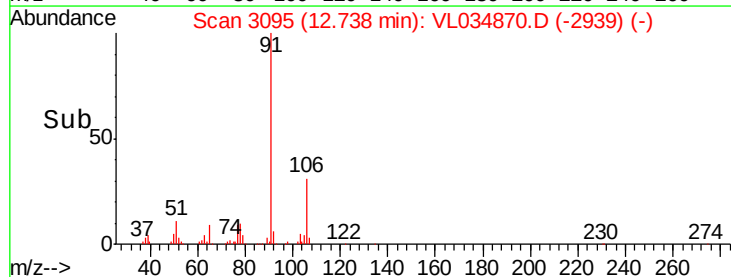
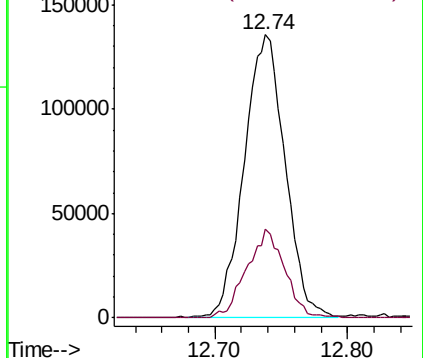


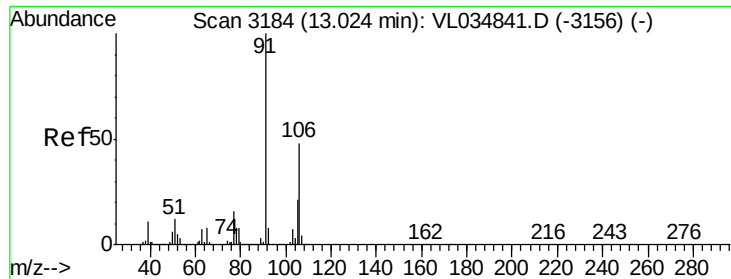
#58
Ethyl Benzene
Concen: 1.070 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion: 91 Resp: 288884
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.6



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

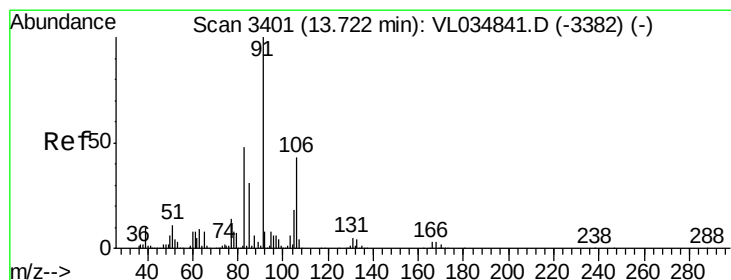
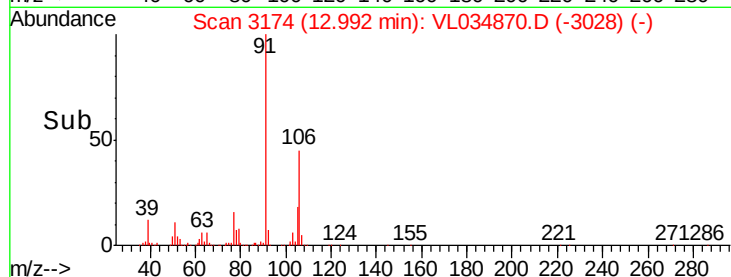
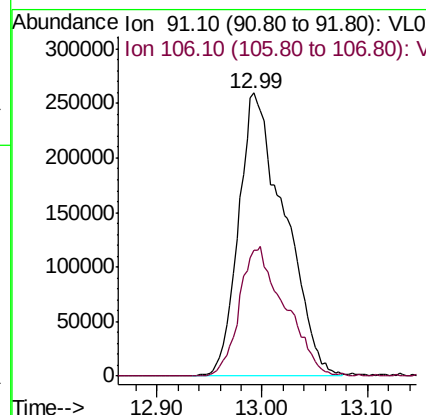
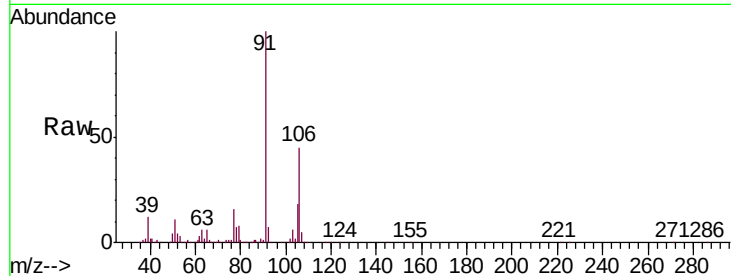




#59
m/p-Xylene
Concen: 3.478 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

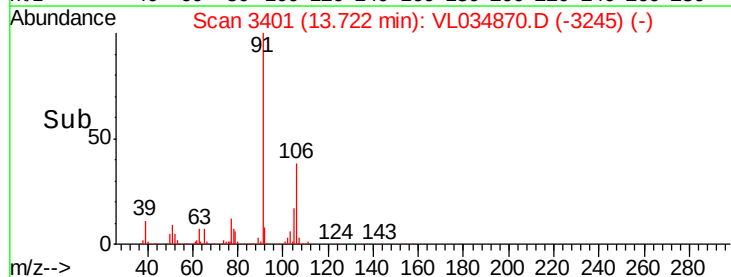
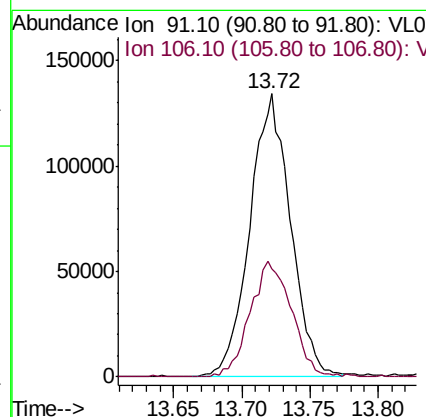
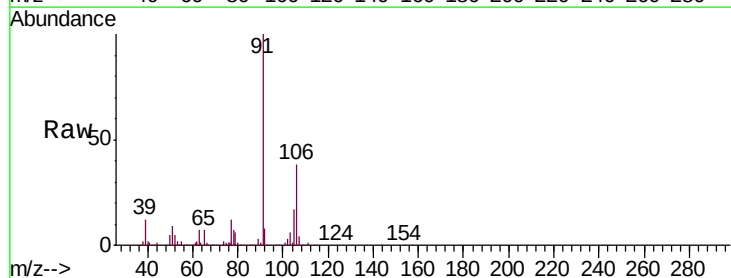
Instrument :
MSVOA_L
ClientSampled :
AA-2

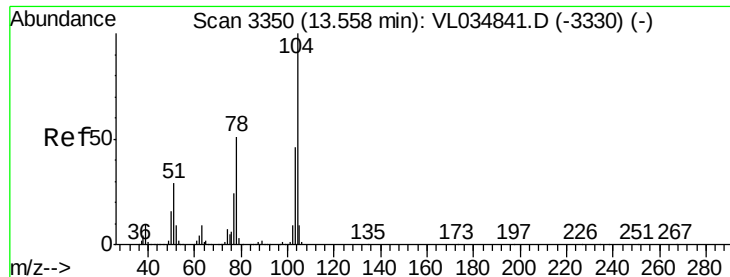
Tgt Ion: 91 Resp: 786455
Ion Ratio Lower Upper
91 100
106 45.2 37.1 55.7



#60
o-Xylene
Concen: 1.249 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion: 91 Resp: 275852
Ion Ratio Lower Upper
91 100
106 42.3 22.5 67.5





#61

Styrene

Concen: 0.010 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampled :

AA-2

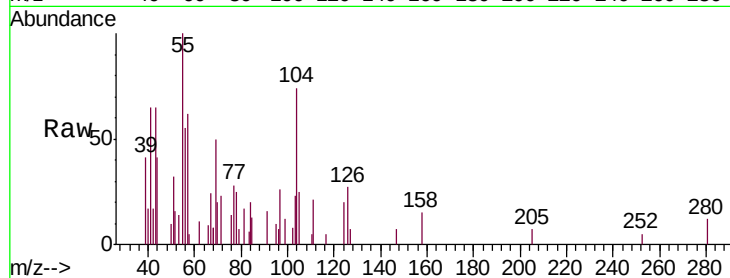
Tgt Ion:104 Resp: 1567

Ion Ratio Lower Upper

104 100

78 0.0 41.8 62.6#

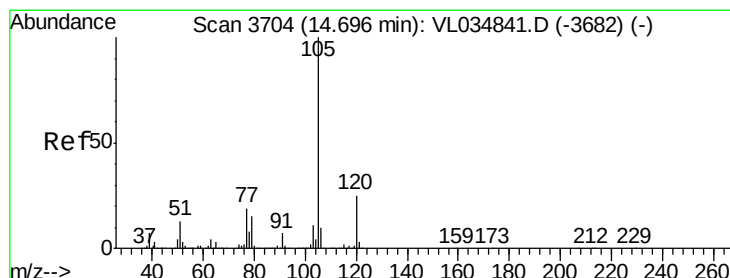
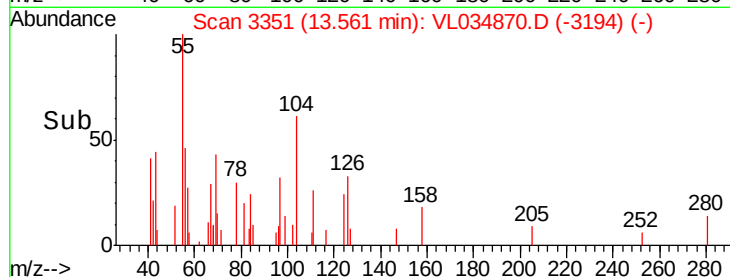
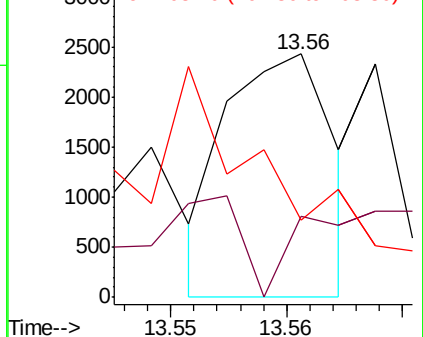
103 0.0 37.8 56.6#



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: 0.016 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL034870.D

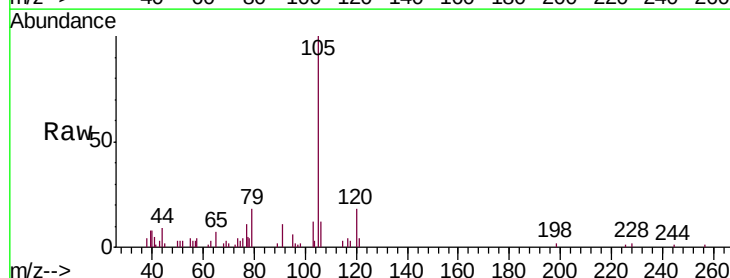
Acq: 10 Mar 2020 17:40

Tgt Ion:105 Resp: 5352

Ion Ratio Lower Upper

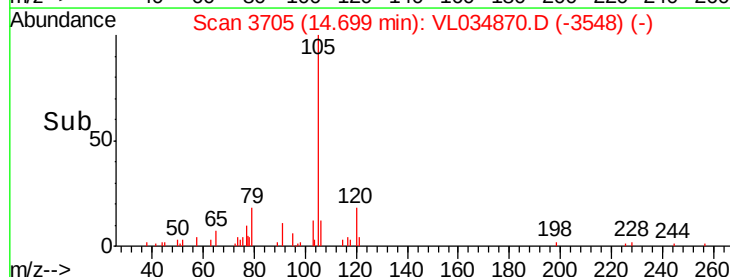
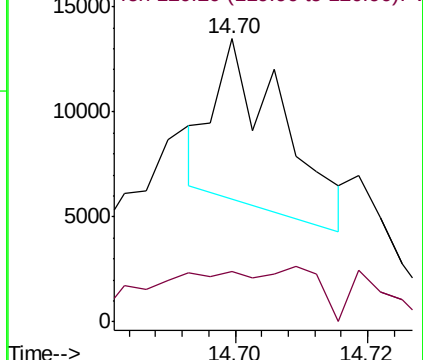
105 100

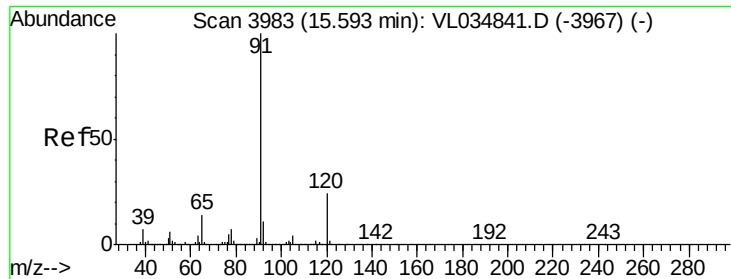
120 0.0 21.0 31.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

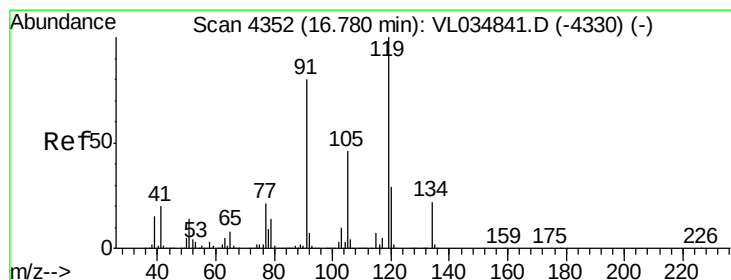
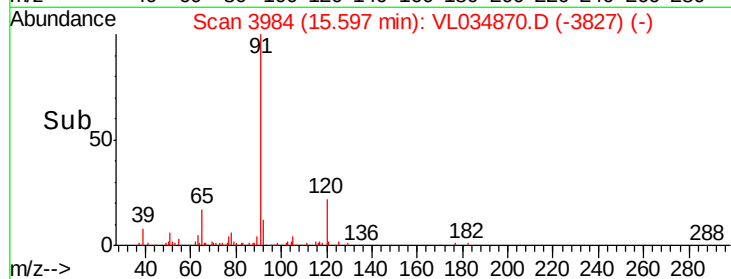
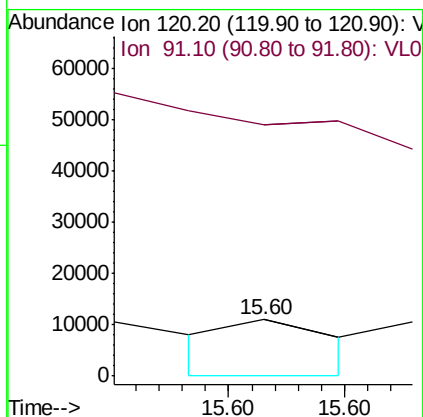
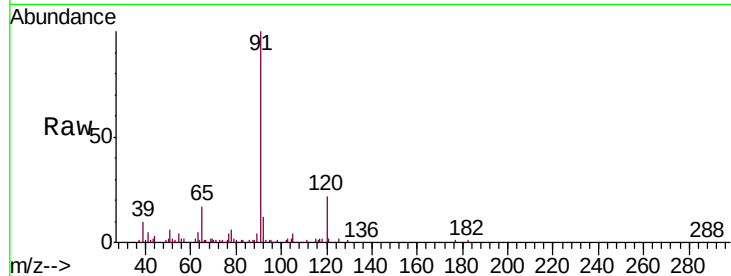




#64
n-propylbenzene
Concen: 0.041 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. 0.00 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

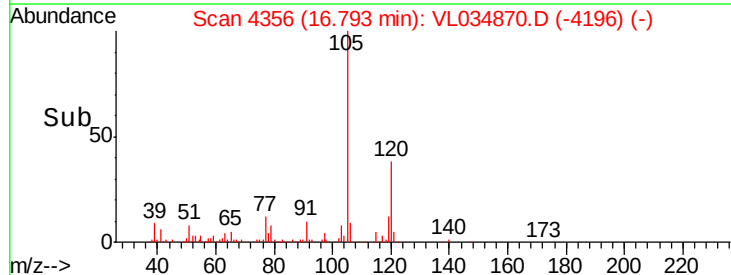
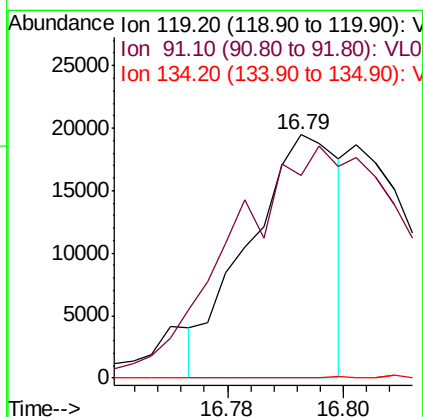
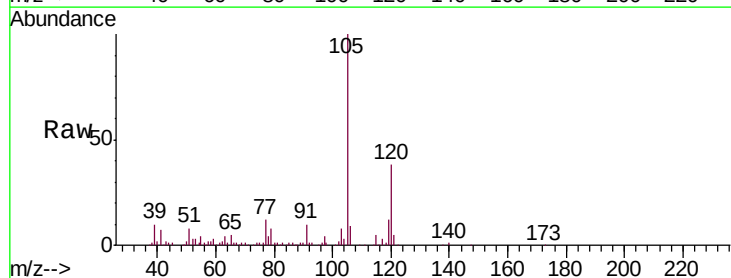
Instrument :
MSVOA_L
ClientSampleId :
AA-2

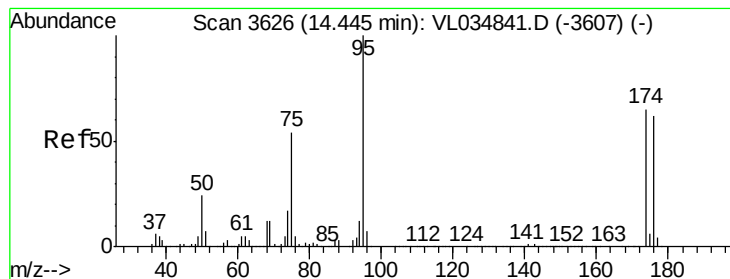
Tgt Ion:120 Resp: 3586
Ion Ratio Lower Upper
120 100
91 0.0 360.9 541.3#



#65
tert-Butylbenzene
Concen: 0.072 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.01 min
Lab File: VL034870.D
Acq: 10 Mar 2020 17:40

Tgt Ion:119 Resp: 20903
Ion Ratio Lower Upper
119 100
91 215.8 64.9 97.3#
134 0.0 15.9 23.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.301 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

AA-2

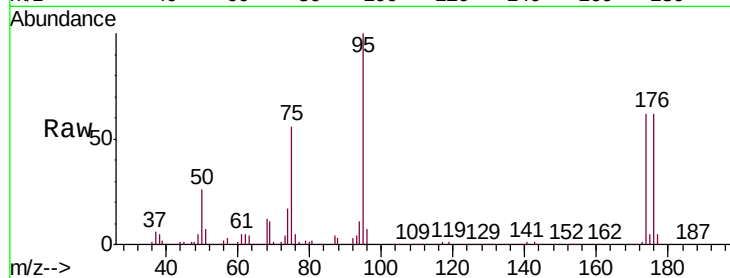
Tgt Ion: 95 Resp: 1601121

Ion Ratio Lower Upper

95 100

174 66.7 55.2 82.8

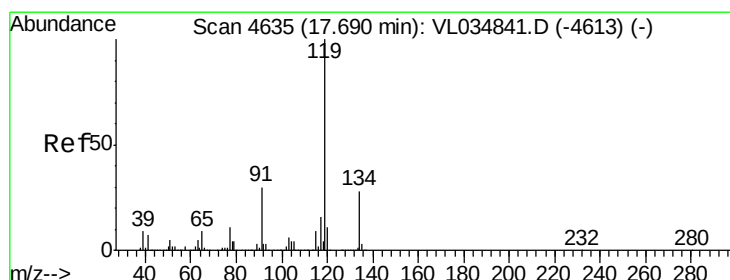
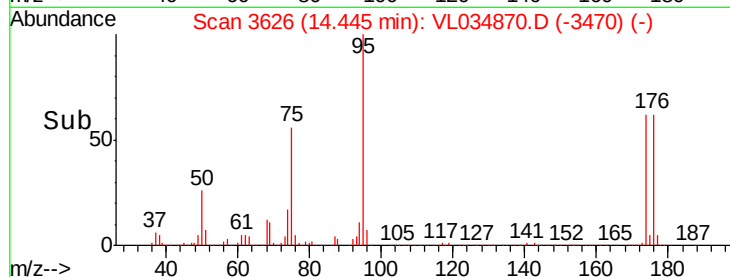
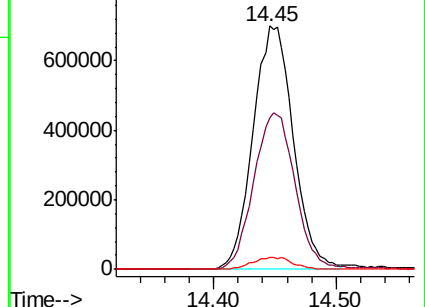
175 5.0 4.3 6.5



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: 0.015 ppbv

RT: 17.69 min Scan# 4634

Delta R.T. -0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

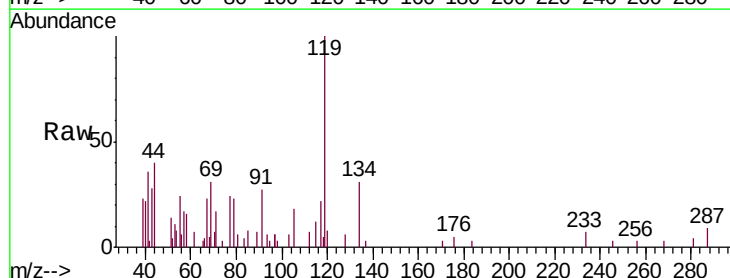
Tgt Ion: 119 Resp: 5091

Ion Ratio Lower Upper

119 100

134 47.5 20.6 30.8#

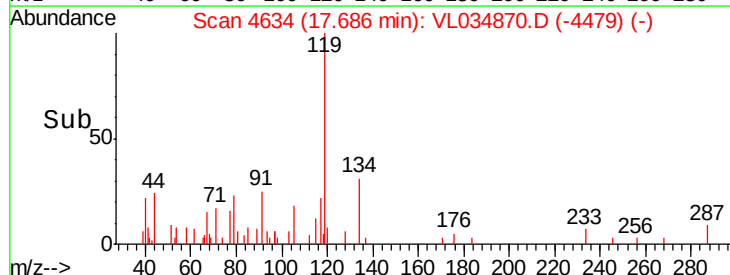
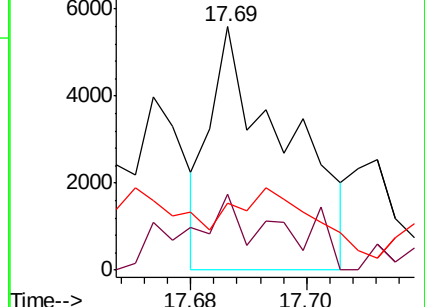
91 63.9 23.4 35.2#

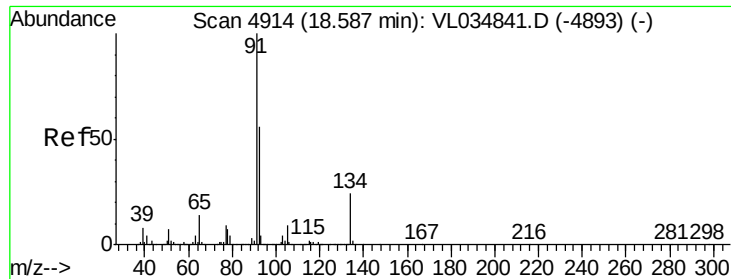


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.037 ppbv

RT: 18.59 min Scan# 4915

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampled :

AA-2

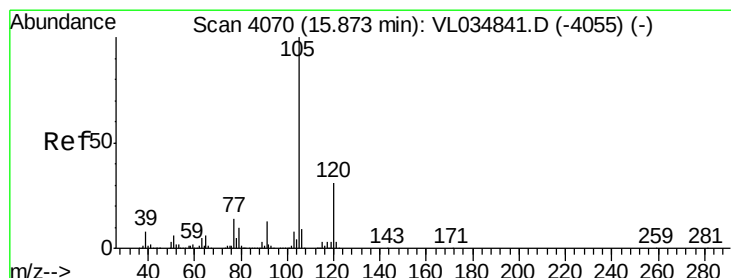
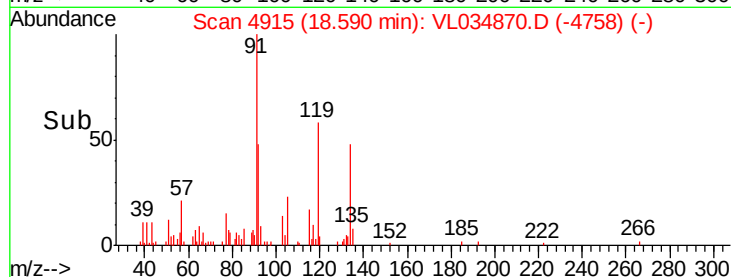
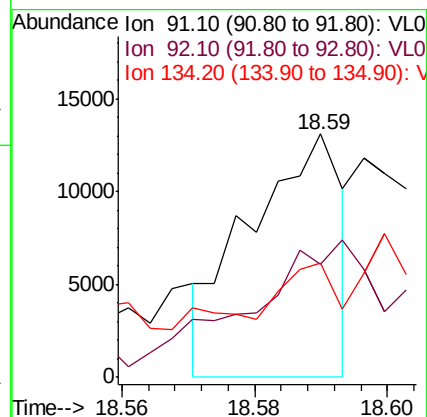
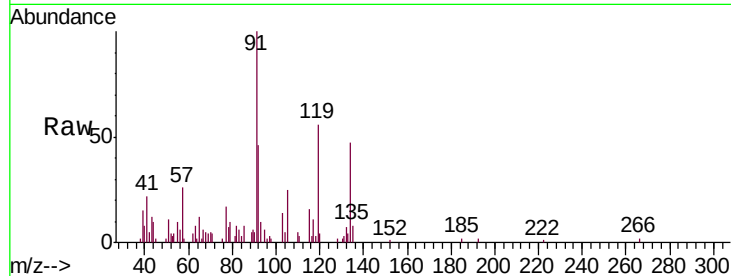
Tgt Ion: 91 Resp: 12782

Ion Ratio Lower Upper

91 100

92 0.0 43.8 65.6#

134 0.0 19.0 28.4#



#72

4-Ethyltoluene

Concen: 0.265 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Tgt Ion: 105 Resp: 68973

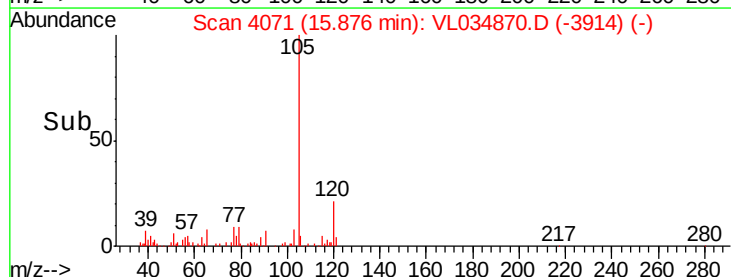
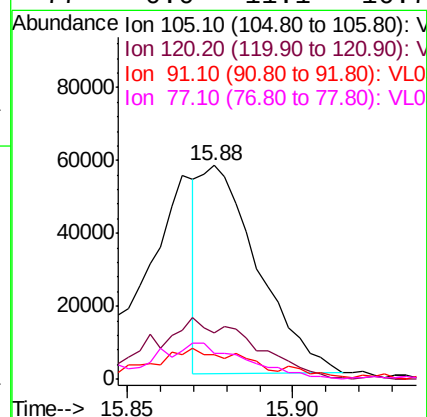
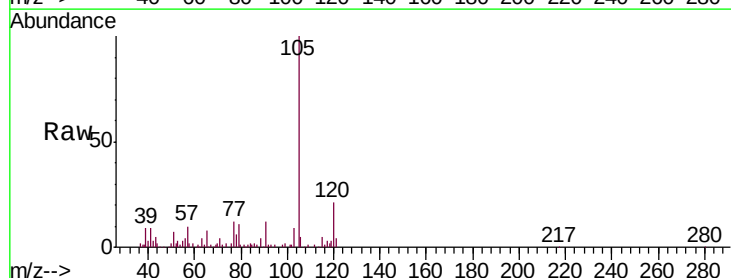
Ion Ratio Lower Upper

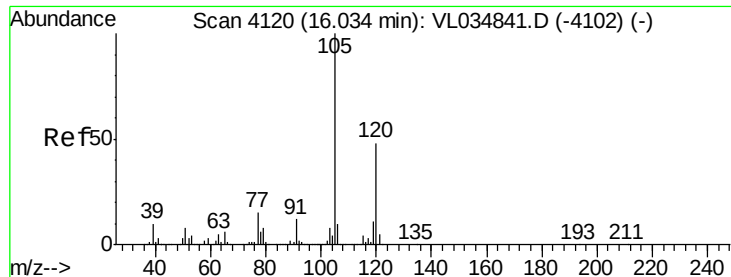
105 100

120 0.0 23.7 35.5#

91 0.0 10.5 15.7#

77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.151 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

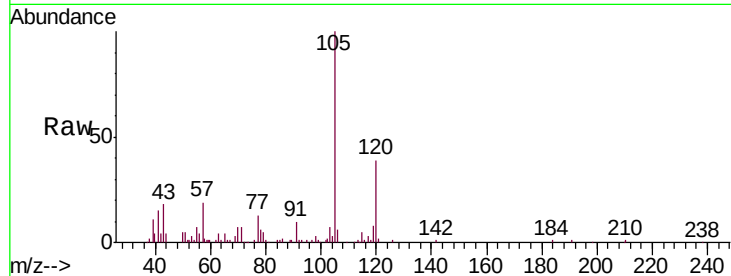
AA-2

Tgt Ion:105 Resp: 36867

Ion Ratio Lower Upper

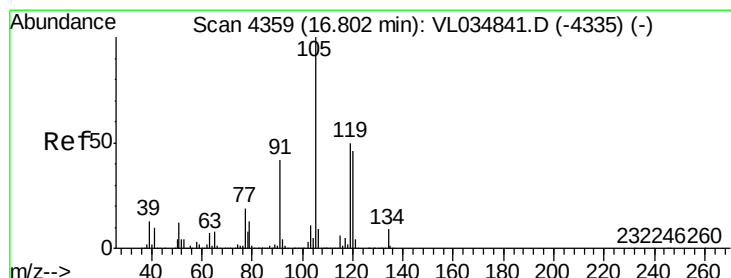
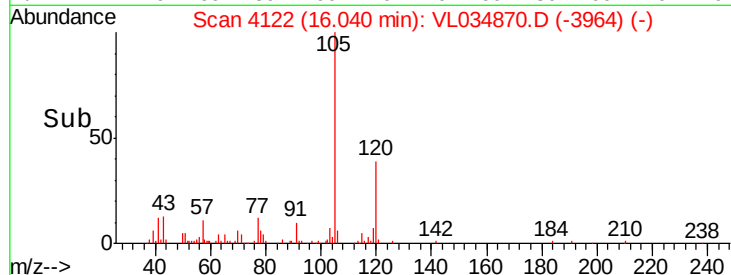
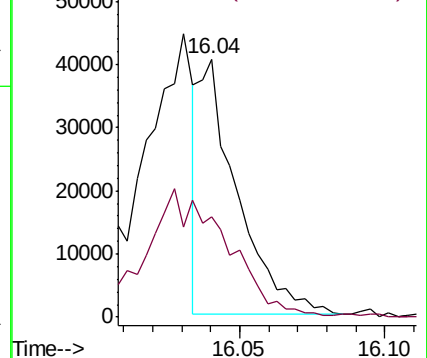
105 100

120 40.4 38.6 58.0



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: 1.513 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034870.D

Acq: 10 Mar 2020 17:40

Tgt Ion:105 Resp: 380405

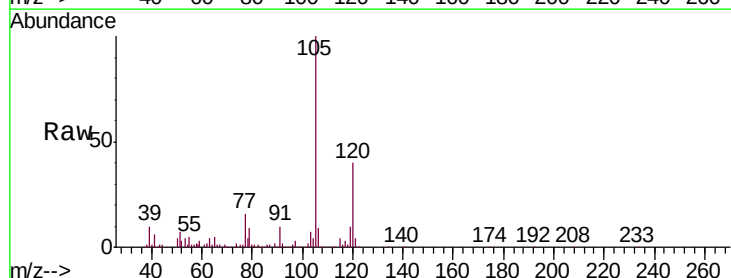
Ion Ratio Lower Upper

105 100

120 40.3 37.0 55.4

91 9.9 33.8 50.6#

77 15.8 15.4 23.0

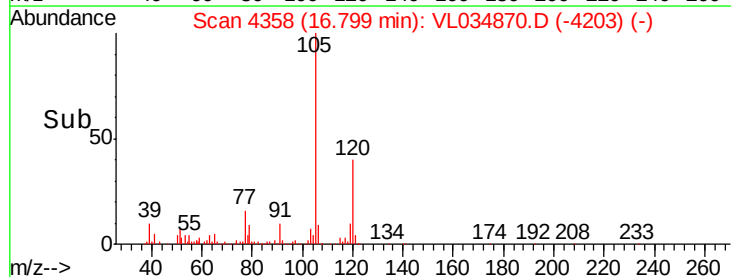
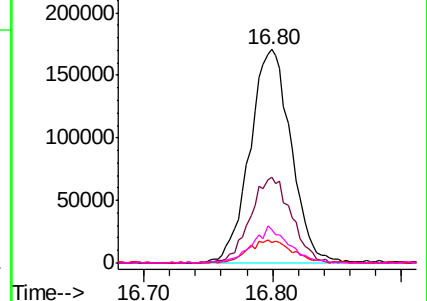


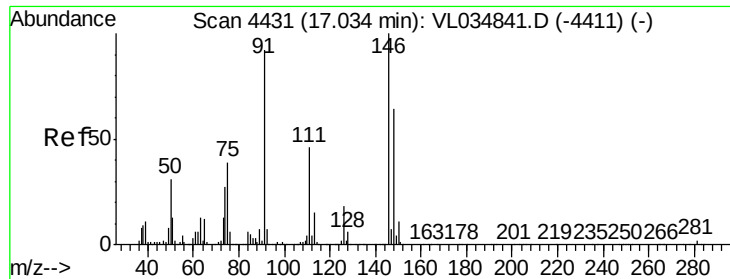
Abundance Ion 105.10 (104.80 to 105.80): V

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

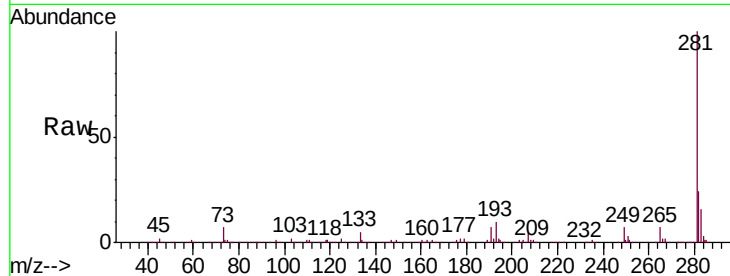




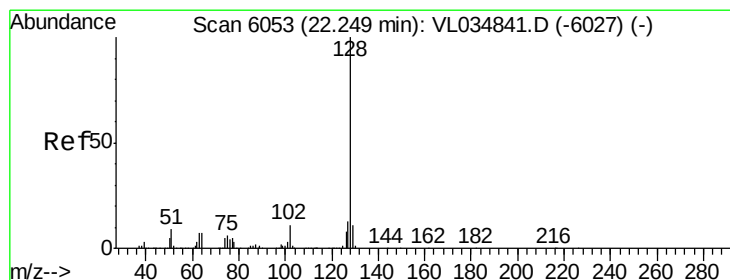
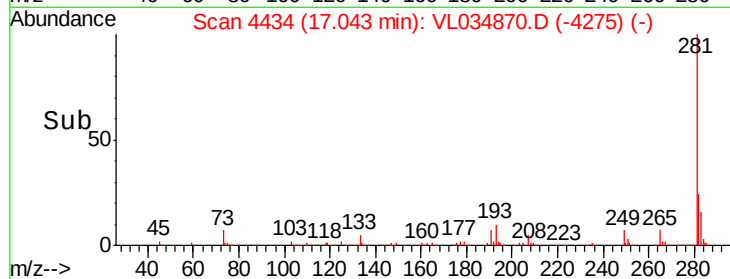
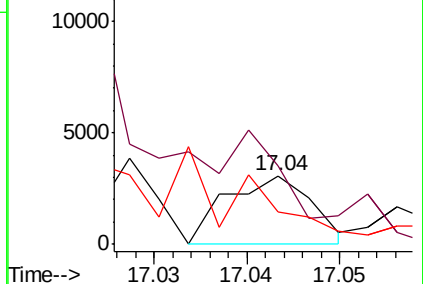
#75
 1,3-Dichlorobenzene
 Concen: 0.013 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.01 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2

Tgt Ion:146 Resp: 1968
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.9 71.7#
 148 0.0 32.5 97.5#

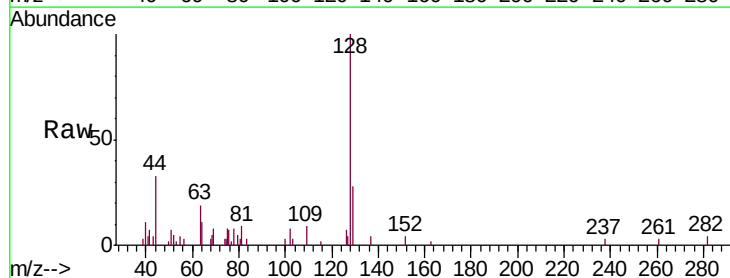


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

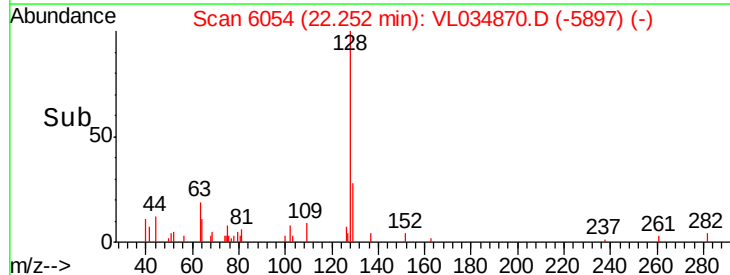
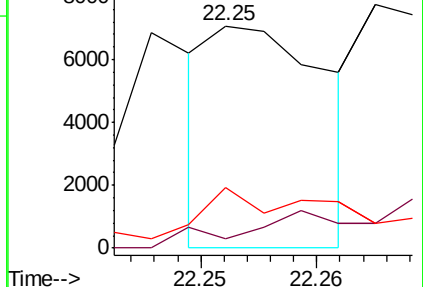


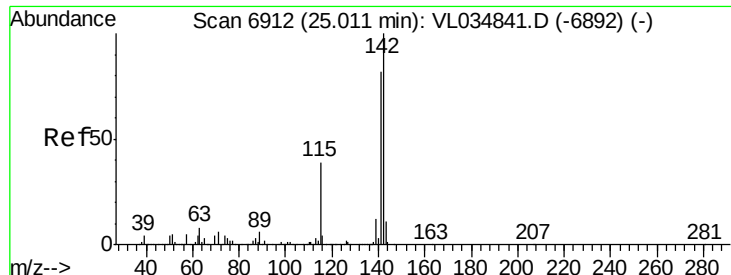
#79
 Naphthalene
 Concen: 0.025 ppbv
 RT: 22.25 min Scan# 6054
 Delta R.T. 0.00 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Tgt Ion:128 Resp: 4908
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 137.0 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V
 Ion 127.10 (126.80 to 127.80): V
 Ion 129.10 (128.80 to 129.80): V

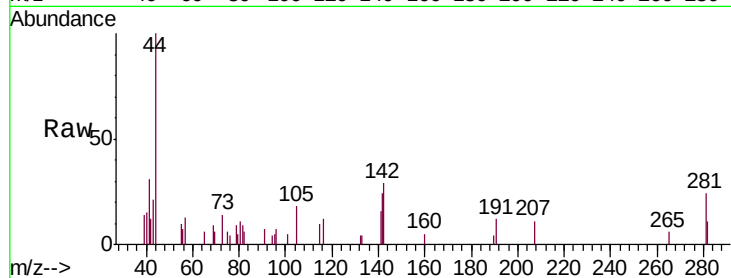




#80
 Naphthalene, 2-methyl-
 Concen: 0.081 ppbv
 RT: 25.01 min Scan# 6911
 Delta R.T. -0.00 min
 Lab File: VL034870.D
 Acq: 10 Mar 2020 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.9	103.3
115	37.9	33.2	49.8



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

