

Data File : VL034132.D
Acq On : 5 Sep 2019 12:13
Operator : SY/AP
Sample : K4612-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Quant Time: Sep 06 04:12:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	911253	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1788713	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1738467	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1509713	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	80069	0.533	ppbv	89
3) Chlorodifluoromethane	2.98	51	65983	0.650	ppbv	99
4) Chloromethane	3.14	50	26339	0.415	ppbv	97
9) Propene	3.20	41	218706	3.848	ppbv	93
10) Heptane	8.18	43	154790	1.049	ppbv	95
11) Trichlorofluoromethane	3.96	101	32470	0.265	ppbv	88
13) Ethanol	3.62	45	1733467	155.698	ppbv	99
15) Acetone	3.85	43	3687818	33.579	ppbv	98
16) 1,3-Butadiene	3.35	39	201021	3.614	ppbv #	12
17) tert-Butyl alcohol	4.32	59	11749	0.147	ppbv #	72
19) Isopropyl Alcohol	3.99	45	566751	7.646	ppbv #	1
20) Methylene Chloride	4.36	84	151302	4.167	ppbv	99
23) Vinyl Acetate	5.09	43	107741	0.578	ppbv #	53
25) Ethyl Acetate	5.71	43	3546978	14.713	ppbv #	89
26) Hexane	5.72	57	216662	2.021	ppbv #	1
27) Carbon Disulfide	4.57	76	8843	0.091	ppbv #	5
29) Chloroform	5.80	83	89304	0.618	ppbv #	81
30) Cyclohexane	7.18	84	6739	0.087	ppbv #	1
31) cis-1,2-Dichloroethene	5.71	61	468065	4.560	ppbv #	29
34) 2-Butanone	5.27	43	3910842	22.742	ppbv	95
35) Carbon Tetrachloride	7.07	117	6835	0.049	ppbv #	77
36) Benzene	6.95	78	64093	0.313	ppbv #	91
37) 1,2-Dichloroethane	6.35	62	4860	0.039	ppbv #	76
39) 1,2-Dichloropropane	7.24	63	540925	6.182	ppbv #	25
41) Tetrahydrofuran	6.06	42	53291	0.517	ppbv #	45
43) Methyl Methacrylate	8.07	69	10595	0.126	ppbv #	9
44) 2,2,4-Trimethylpentane	7.93	57	217769	0.578	ppbv	92
50) 4-Methyl-2-Pentanone	8.81	43	8010011	30.525	ppbv #	83
52) Tetrachloroethene	11.31	164	2834	0.039	ppbv #	52
53) Toluene	9.88	91	1739282	7.692	ppbv	98
58) Ethyl Benzene	12.80	91	807191	2.832	ppbv	92
59) m/p-Xylene	13.05	91	1577996	6.786	ppbv	100
60) o-Xylene	13.79	91	839459	3.624	ppbv	96
61) Styrene	13.62	104	244970	1.414	ppbv	97
62) Isopropylbenzene	14.76	105	138008	0.458	ppbv	98
64) n-propylbenzene	15.65	120	45314	0.600	ppbv #	1
65) tert-Butylbenzene	16.86	119	323319	1.243	ppbv #	65
66) Benzyl Chloride	17.30	91	45002	0.469	ppbv #	74
67) sec-Butylbenzene	17.39	105	255731	0.684	ppbv	96
69) p-Isopropyltoluene	17.75	119	224031	0.749	ppbv	95
70) n-Butylbenzene	18.65	91	351731	1.033	ppbv #	62

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090519\
Quantitation Report (Not Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.66	91	587217	2.385	ppbv #	49
72) 4-Ethyltoluene	15.93	105	810666	3.102	ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	355633	1.400	ppbv	96
74) 1,2,4-Trimethylbenzene	16.86	105	2870892	10.977	ppbv #	75
76) 1,4-Dichlorobenzene	17.24	146	11132	0.077	ppbv #	1
79) Naphthalene	22.32	128	19240	0.081	ppbv #	93
80) Naphthalene,2-methyl-	25.06	142	12885	0.157	ppbv	91

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

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Acq On : 5 Sep 2019 12:13

Operator : SY/AP

Sample : K4612-01DUP

Misc : 400ml/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

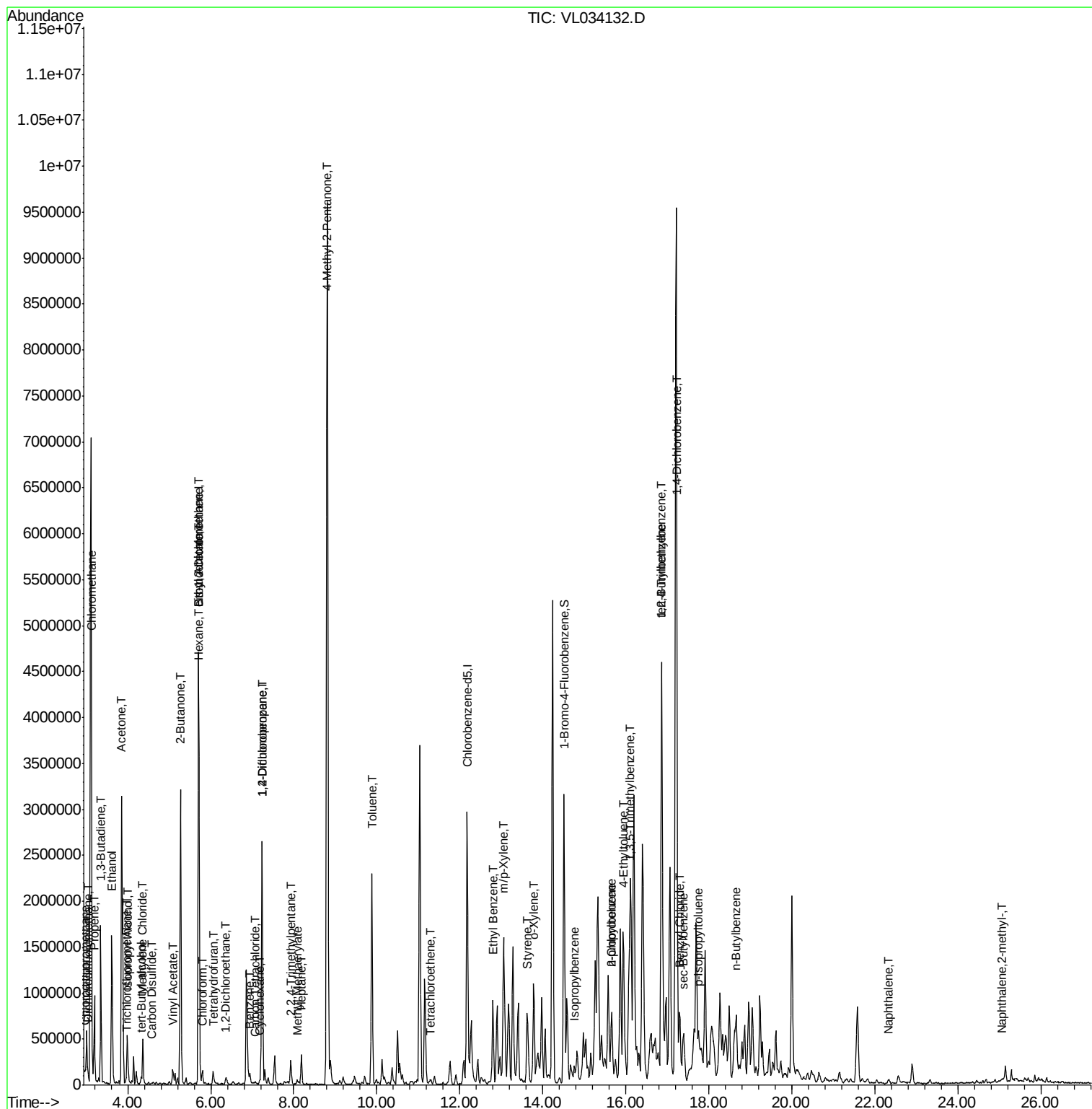
Quant Time: Sep 06 04:12:23 2019

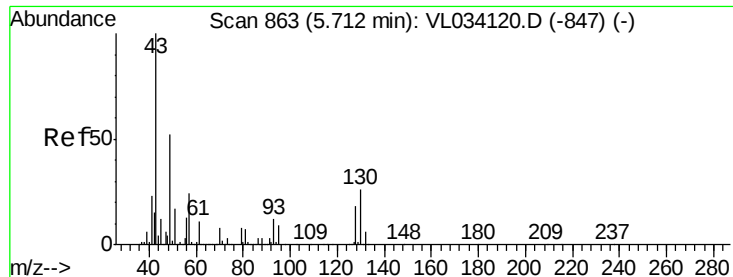
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL090519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019

QLast Update : Thu Sep 05 10:21:45 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

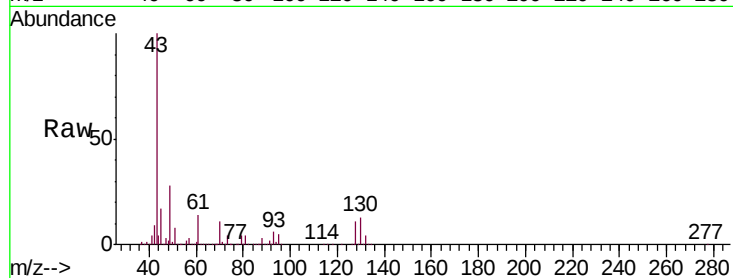
Tgt Ion: 49 Resp: 911253

Ion Ratio Lower Upper

49 100

128 37.5 18.4 55.0

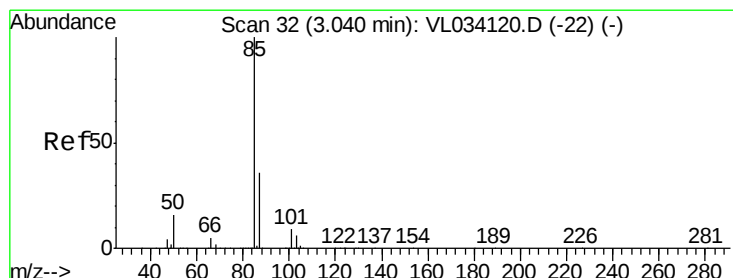
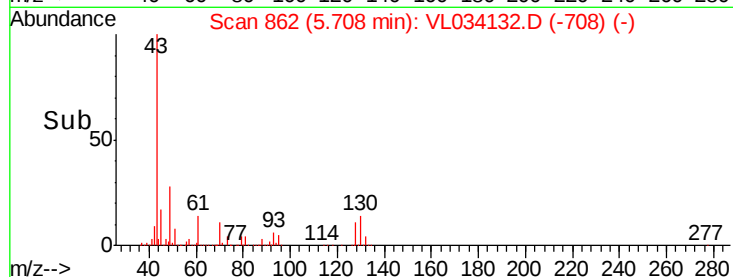
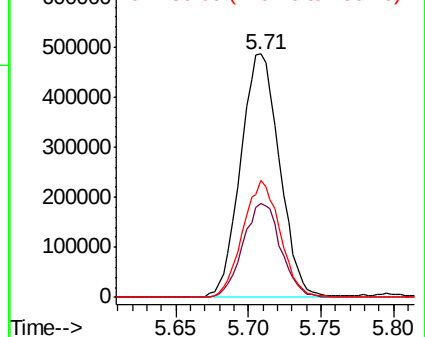
130 46.1 23.5 70.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.533 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL034132.D

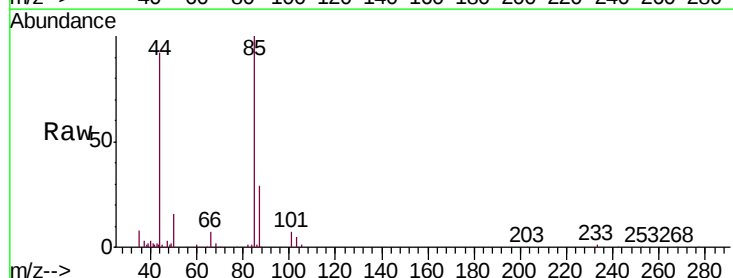
Acq: 5 Sep 2019 12:13

Tgt Ion: 85 Resp: 80069

Ion Ratio Lower Upper

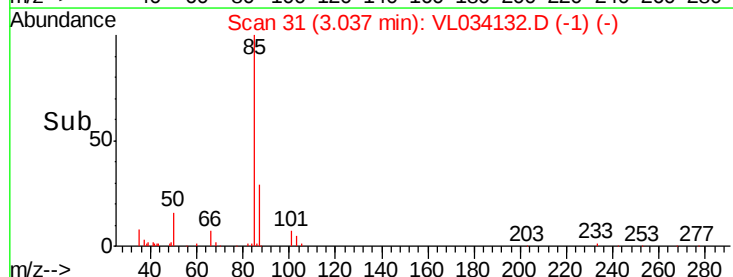
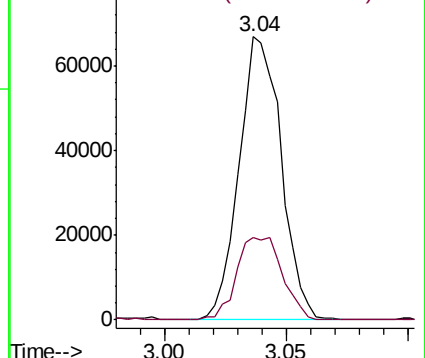
85 100

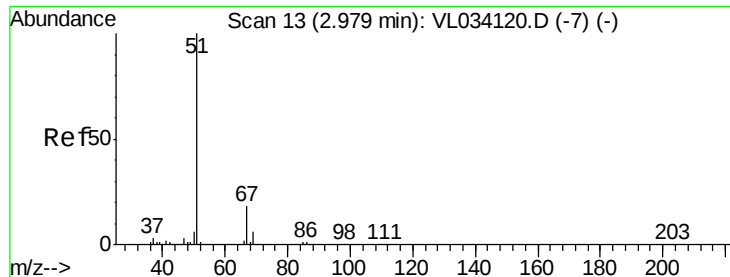
87 29.2 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

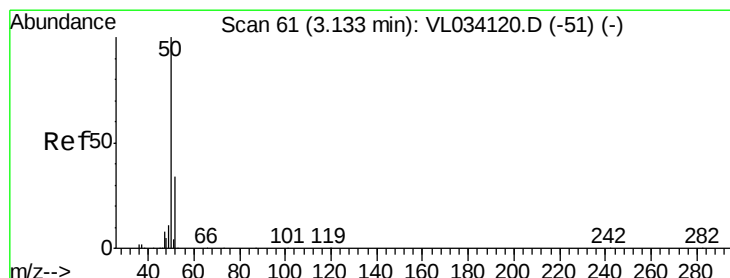
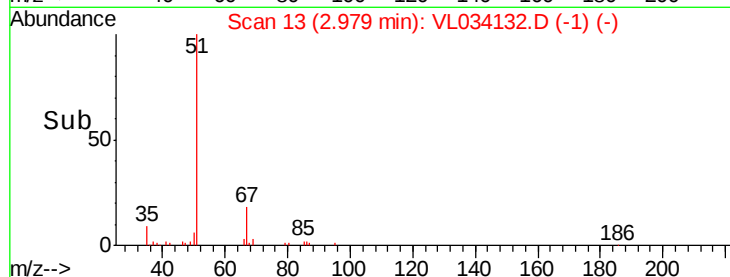
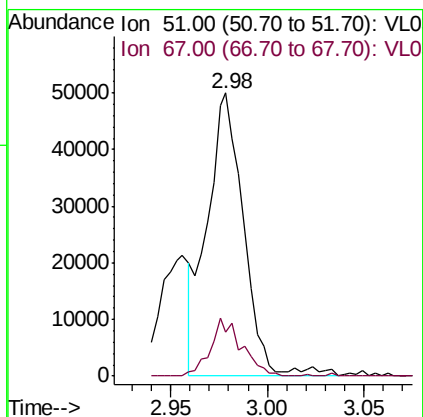
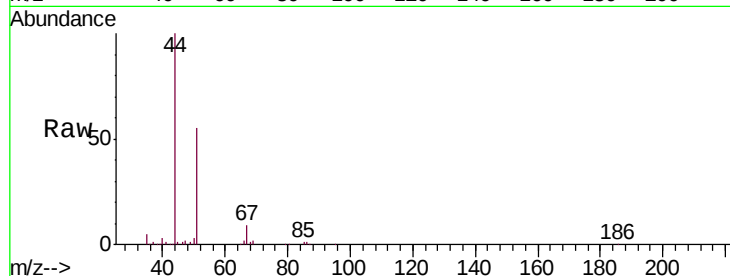




#3
 Chlorodifluoromethane
 Concen: 0.650 ppbv
 RT: 2.98 min Scan# 13
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

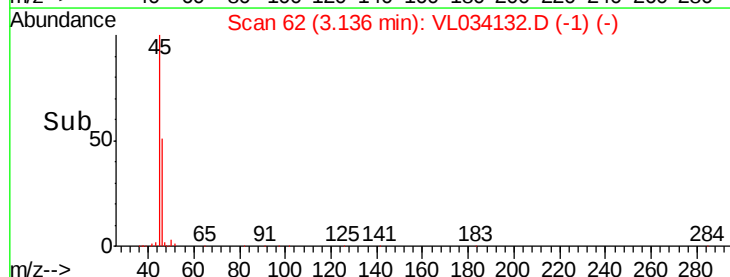
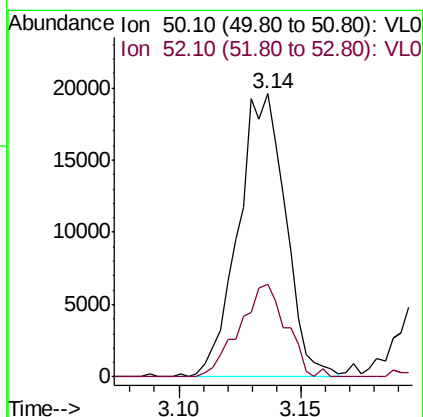
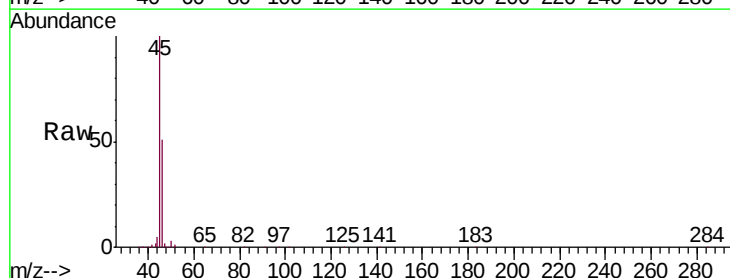
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

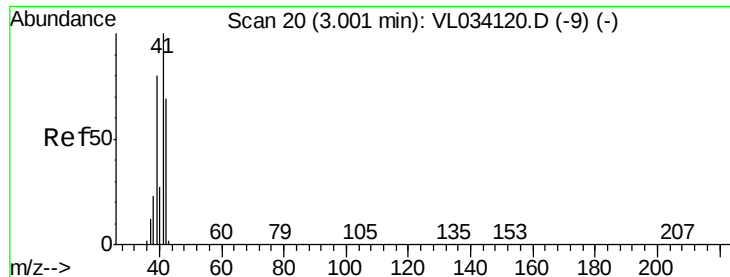
Tgt Ion: 51 Resp: 65983
 Ion Ratio Lower Upper
 51 100
 67 17.2 14.2 21.4



#4
 Chloromethane
 Concen: 0.415 ppbv
 RT: 3.14 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 50 Resp: 26339
 Ion Ratio Lower Upper
 50 100
 52 32.6 27.4 41.2





#9

Propene

Concen: 3.848 ppbv

RT: 3.20 min Scan# 81

Delta R.T. 0.20 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

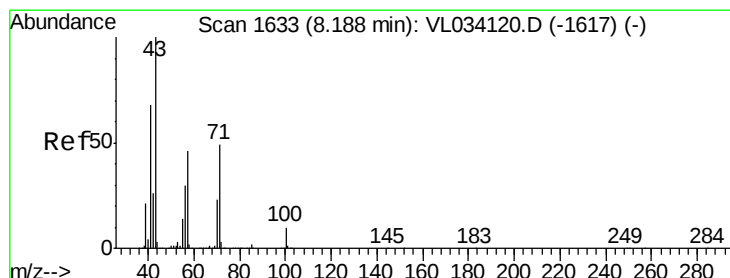
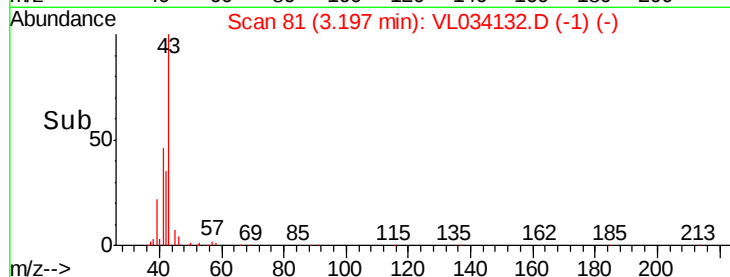
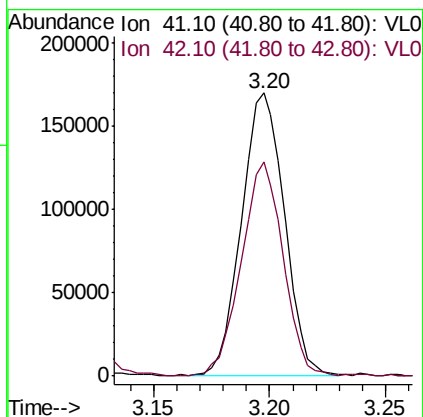
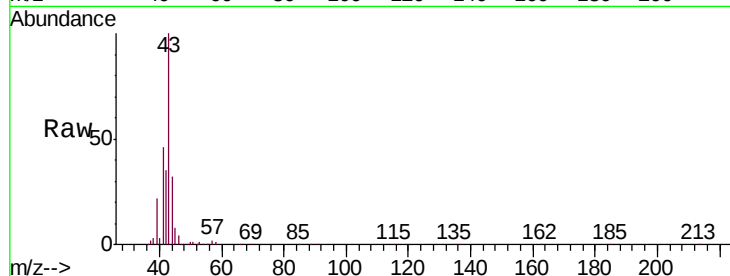
AMBIENTDUP

Tgt Ion: 41 Resp: 218706

Ion Ratio Lower Upper

41 100

42 74.0 54.6 81.8



#10

Heptane

Concen: 1.049 ppbv

RT: 8.18 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VL034132.D

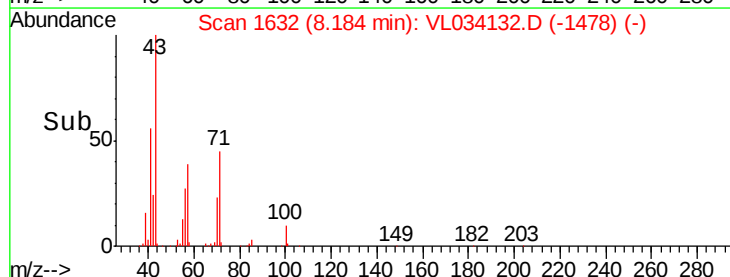
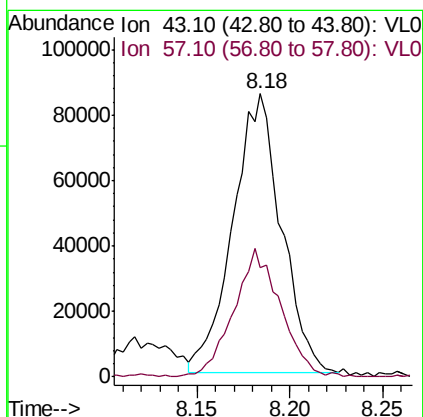
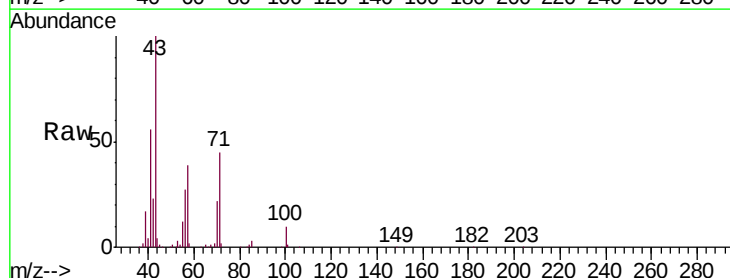
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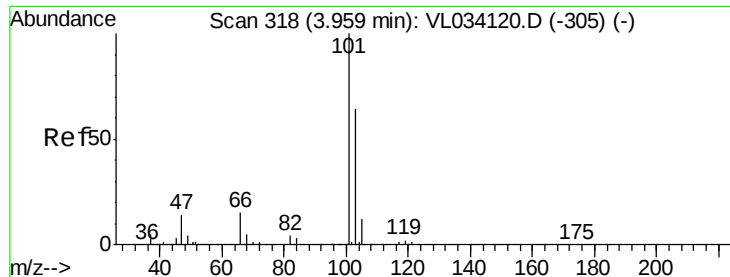
Tgt Ion: 43 Resp: 154790

Ion Ratio Lower Upper

43 100

57 44.6 38.1 57.1

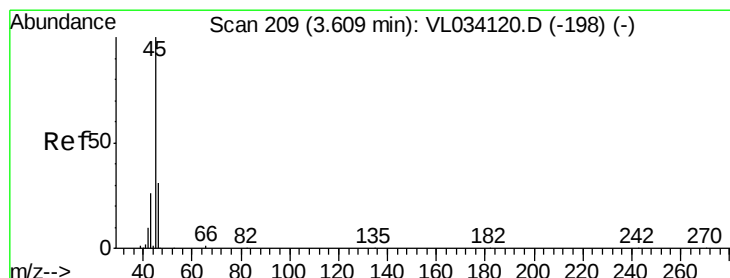
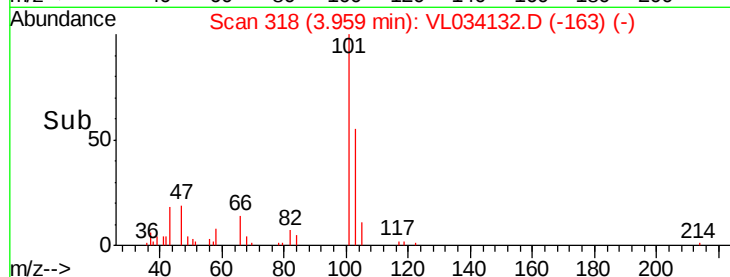
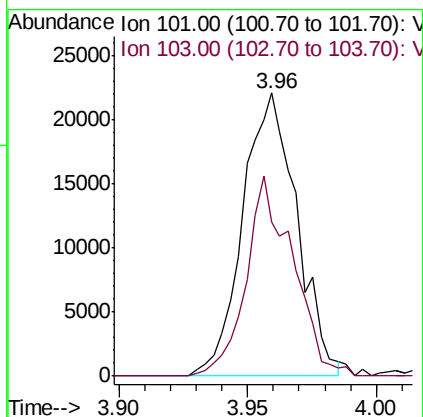
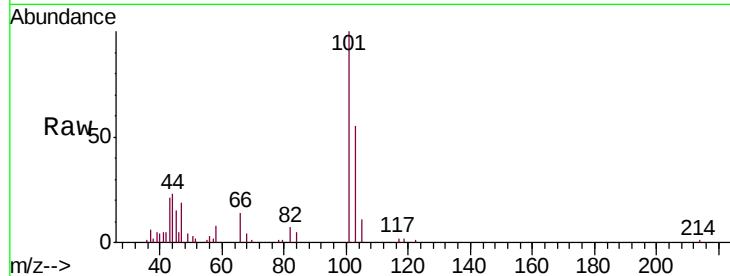




#11
 Trichlorofluoromethane
 Concen: 0.265 ppbv
 RT: 3.96 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

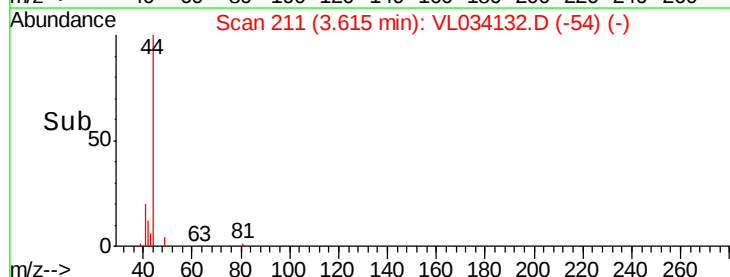
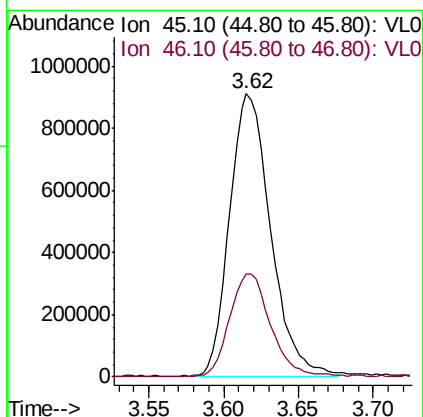
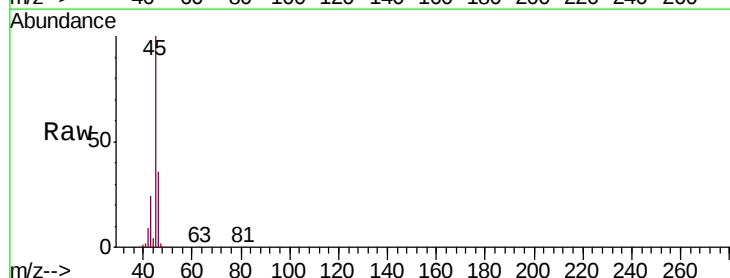
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

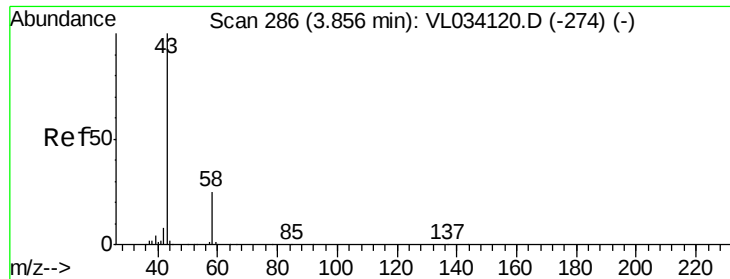
Tgt Ion:101 Resp: 32470
 Ion Ratio Lower Upper
 101 100
 103 54.5 51.4 77.2



#13
 Ethanol
 Concen: 155.698 ppbv
 RT: 3.62 min Scan# 211
 Delta R.T. 0.01 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 45 Resp: 1733467
 Ion Ratio Lower Upper
 45 100
 46 36.9 15.0 60.0





#15

Acetone

Concen: 33.579 ppbv

RT: 3.85 min Scan# 284

Delta R.T. -0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

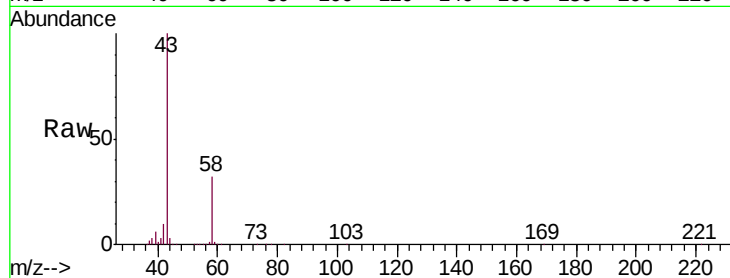
AMBIENTDUP

Tgt Ion: 43 Resp: 3687818

Ion Ratio Lower Upper

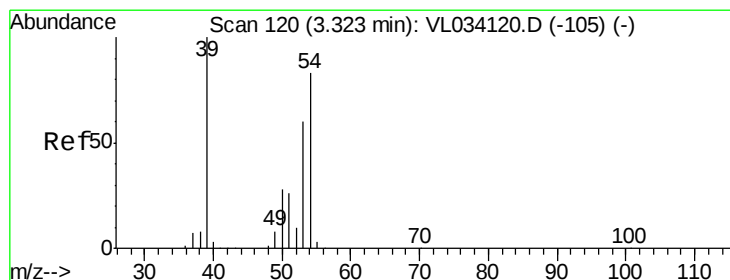
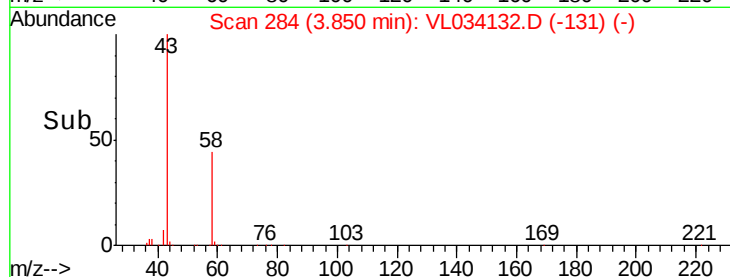
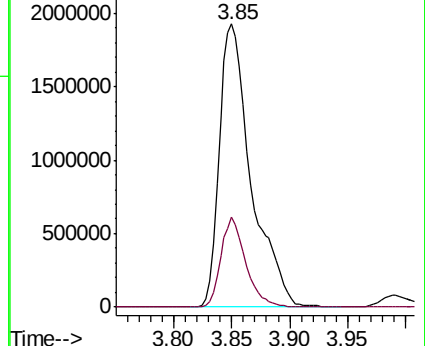
43 100

58 24.8 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 3.614 ppbv

RT: 3.35 min Scan# 129

Delta R.T. 0.03 min

Lab File: VL034132.D

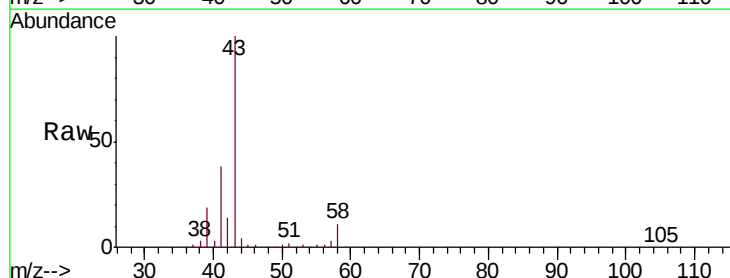
Acq: 5 Sep 2019 12:13

Tgt Ion: 39 Resp: 201021

Ion Ratio Lower Upper

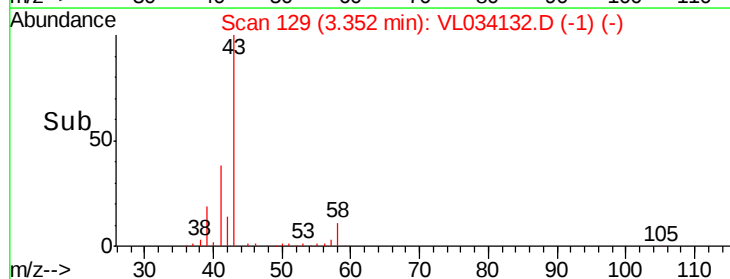
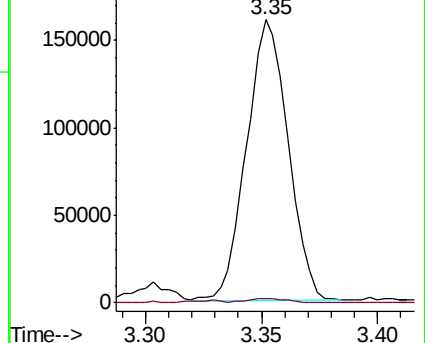
39 100

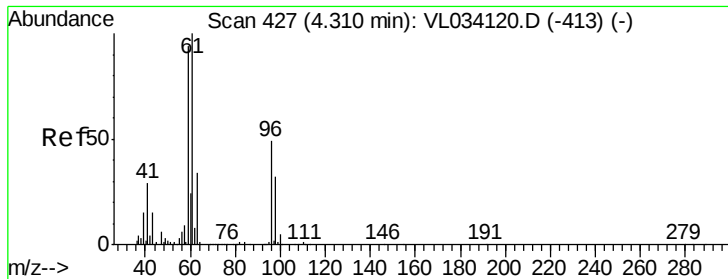
54 2.5 63.5 95.3#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



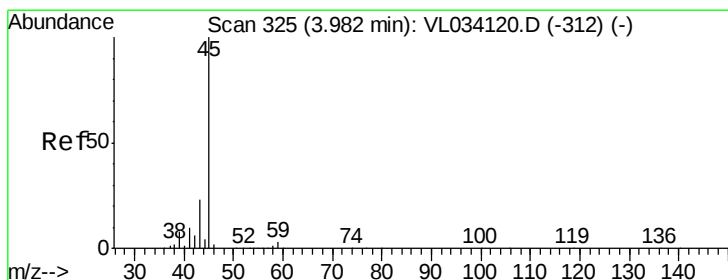
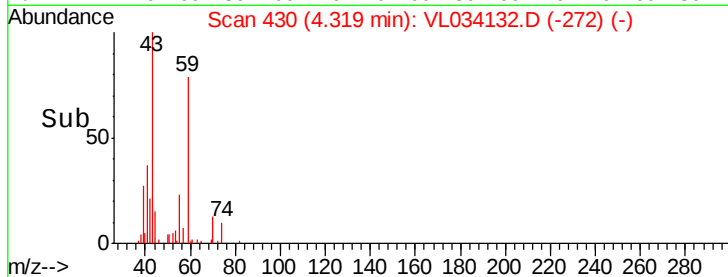
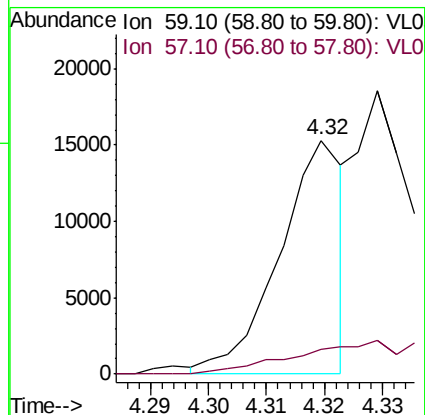
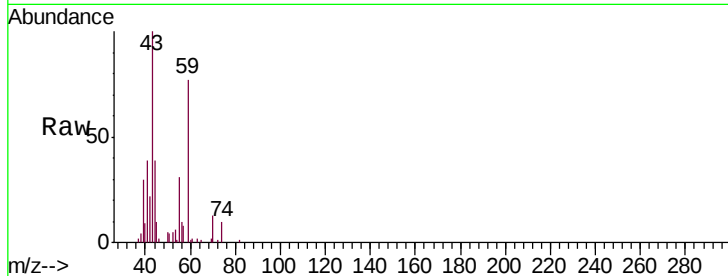


#17

tert-Butyl alcohol
 Concen: 0.147 ppbv
 RT: 4.32 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

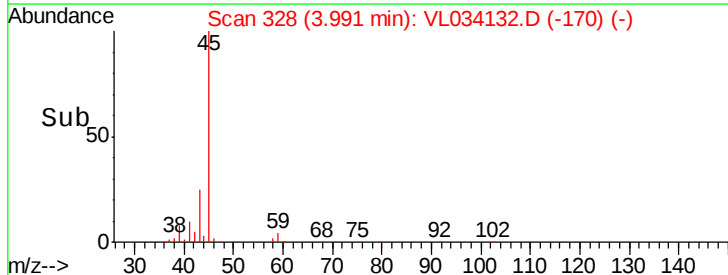
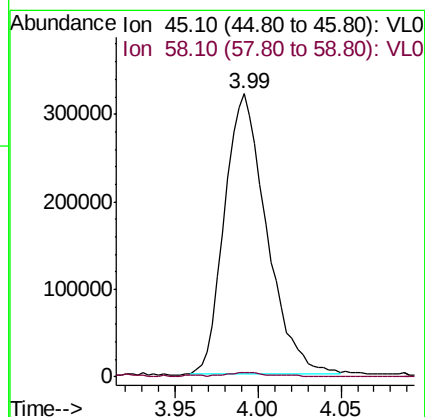
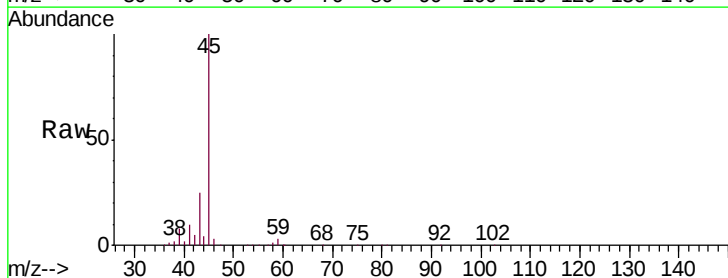
Tgt Ion: 59 Resp: 11749
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

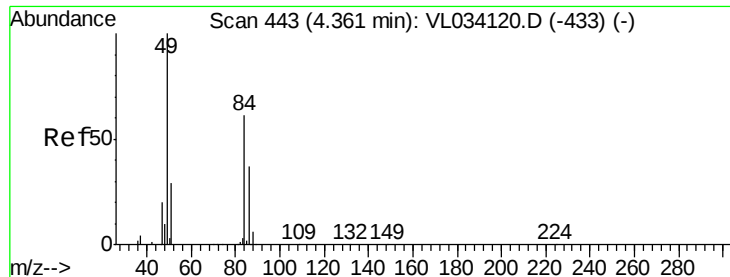


#19

Isopropyl Alcohol
 Concen: 7.646 ppbv
 RT: 3.99 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 45 Resp: 566751
 Ion Ratio Lower Upper
 45 100
 58 161.7 1.0 1.6#

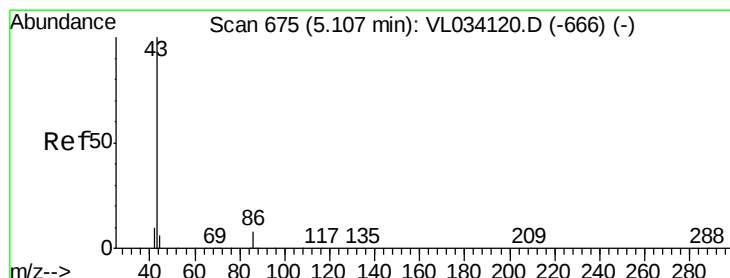
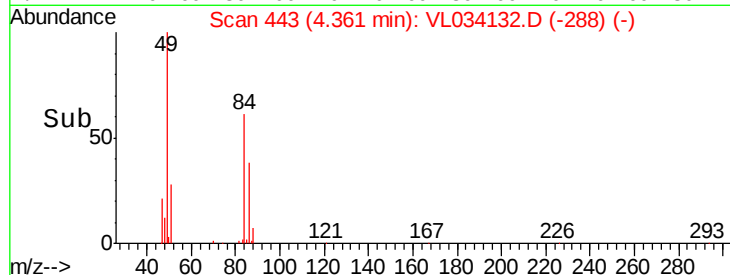
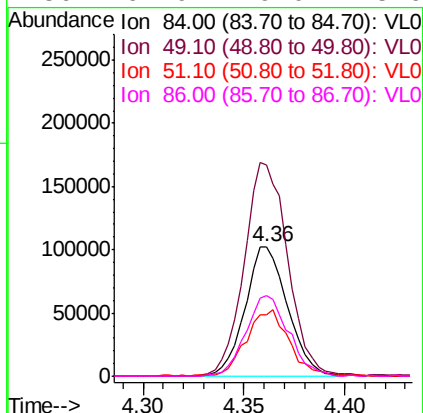
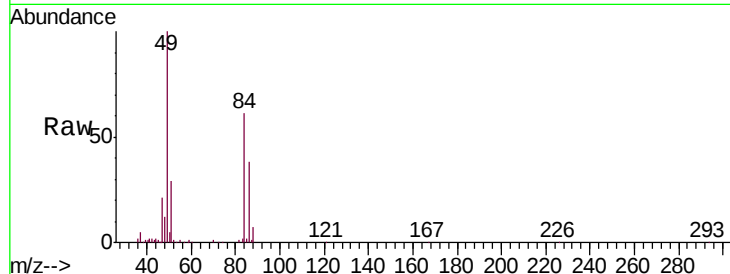




#20
Methylene Chloride
Concen: 4.167 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

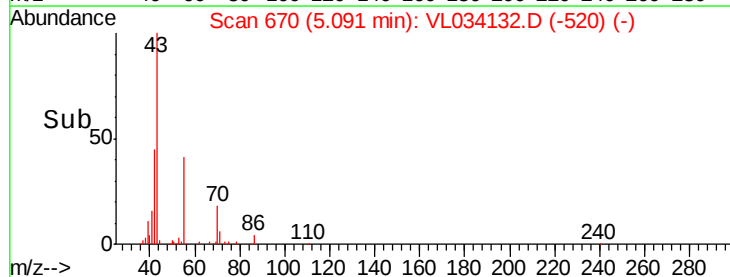
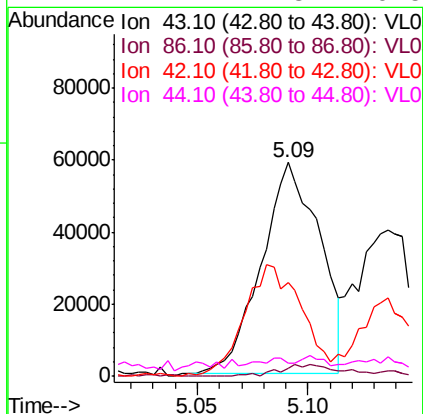
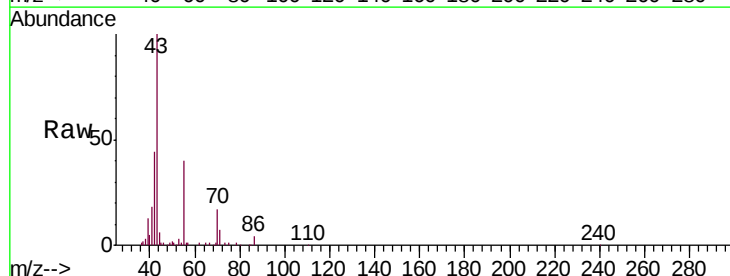
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

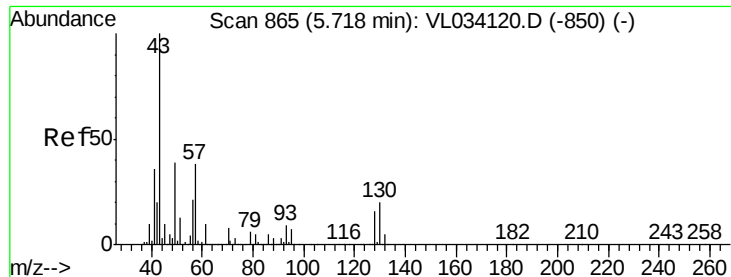
Tgt Ion:	84	Resp:	151302
Ion	Ratio	Lower	Upper
84	100		
49	162.5	131.0	196.6
51	46.6	38.1	57.1
86	61.9	49.0	73.6



#23
Vinyl Acetate
Concen: 0.578 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.02 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion:	43	Resp:	107741
Ion	Ratio	Lower	Upper
43	100		
86	3.6	5.5	8.3#
42	43.5	8.2	12.4#
44	1.1	4.3	6.5#





#25

Ethyl Acetate

Concen: 14.713 ppbv

RT: 5.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleID :

AMBIENTDUP

Tgt Ion: 43 Resp: 3546978

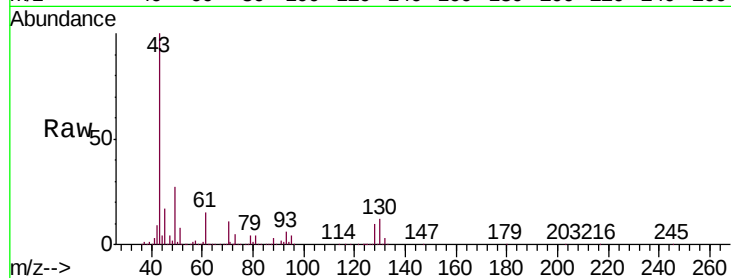
Ion Ratio Lower Upper

43 100

45 15.5 8.2 12.4#

61 13.3 7.4 11.2#

70 9.8 5.6 8.4#

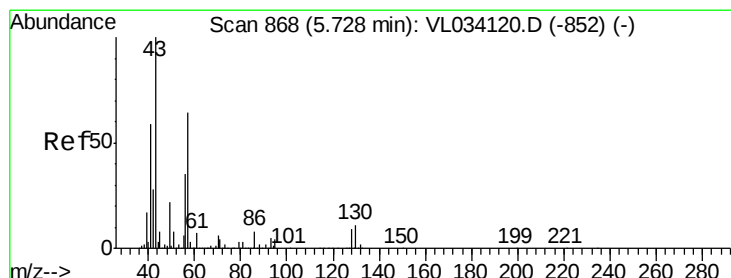
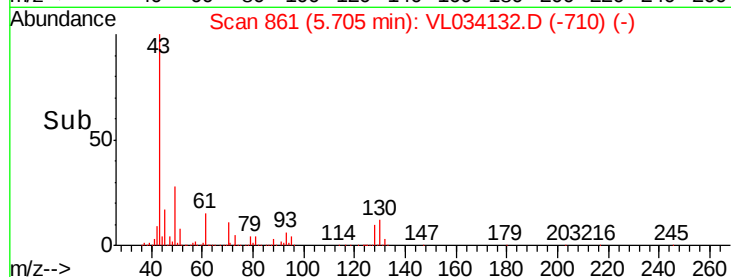
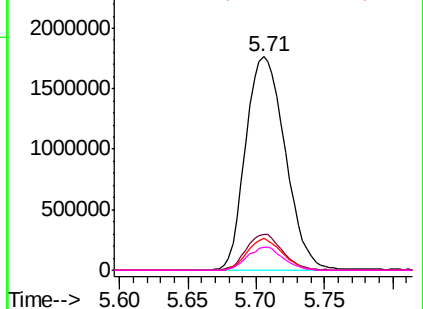


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.021 ppbv

RT: 5.72 min Scan# 867

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Tgt Ion: 57 Resp: 216662

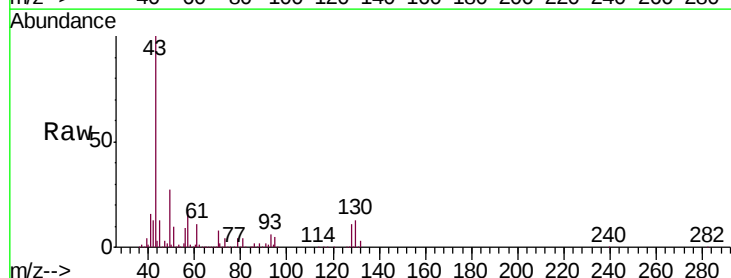
Ion Ratio Lower Upper

57 100

41 105.3 76.6 115.0

43 1645.0 189.2 283.8#

56 52.7 43.0 64.4

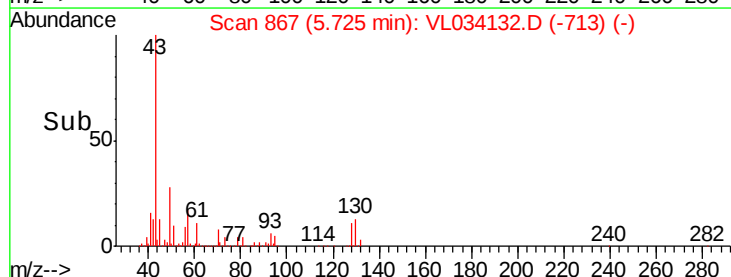
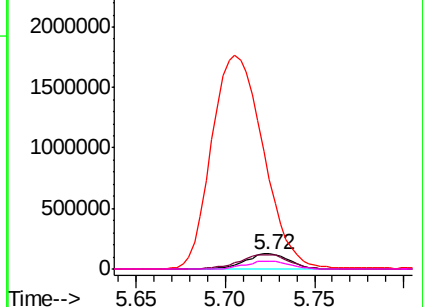


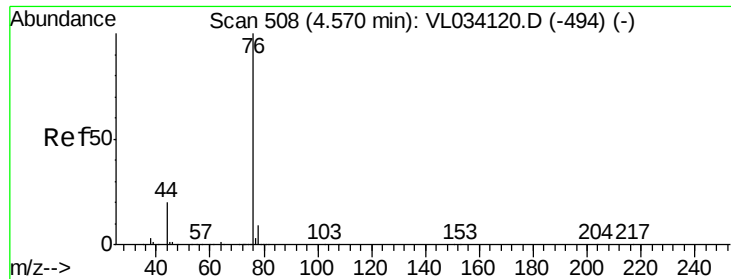
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.091 ppbv

RT: 4.57 min Scan# 508

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

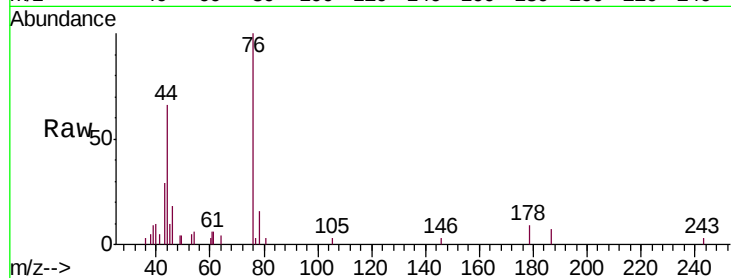
Tgt Ion: 76 Resp: 8843

Ion Ratio Lower Upper

76 100

44 82.0 17.6 26.4#

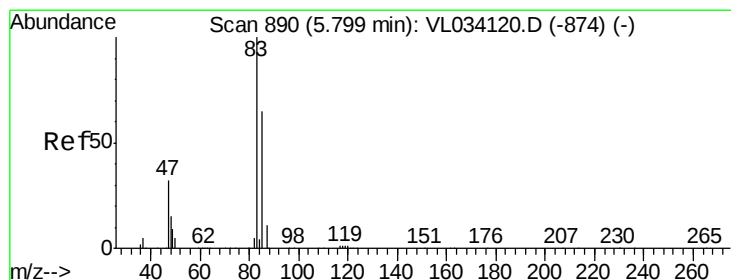
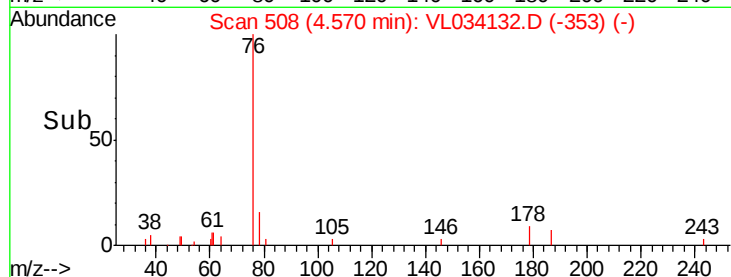
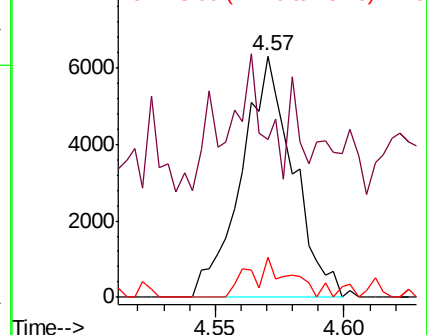
78 16.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.618 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL034132.D

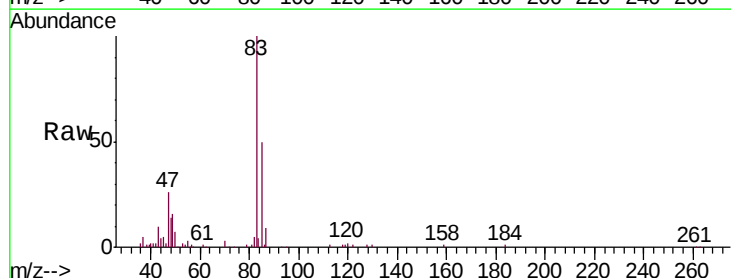
Acq: 5 Sep 2019 12:13

Tgt Ion: 83 Resp: 89304

Ion Ratio Lower Upper

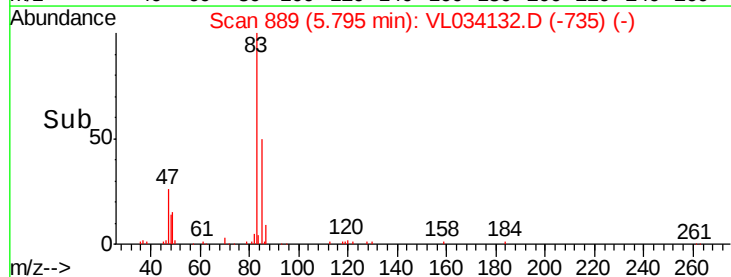
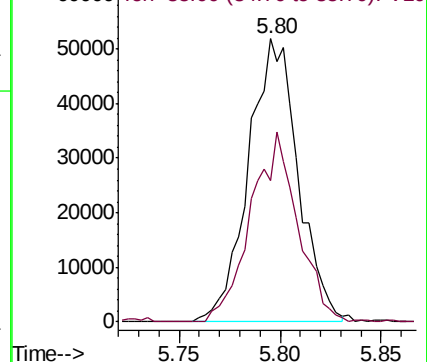
83 100

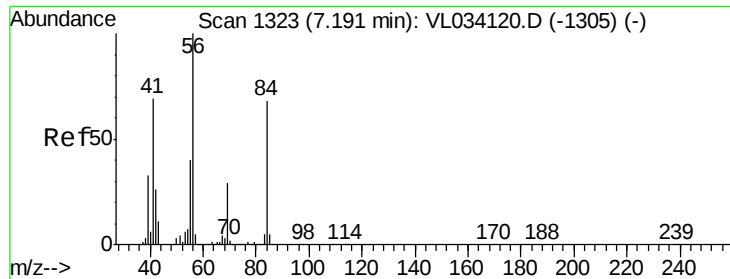
85 49.7 51.8 77.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

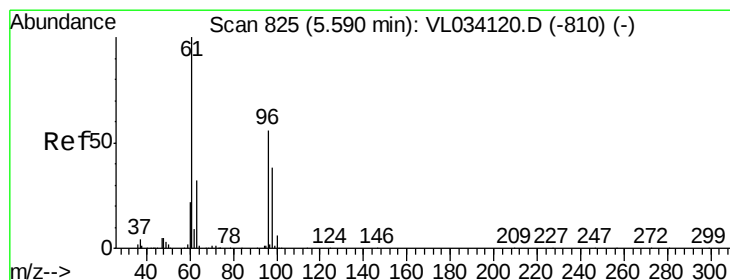
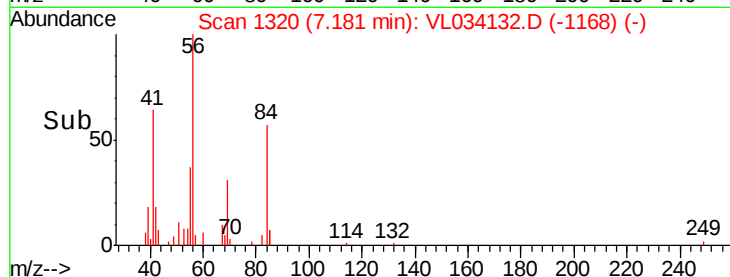
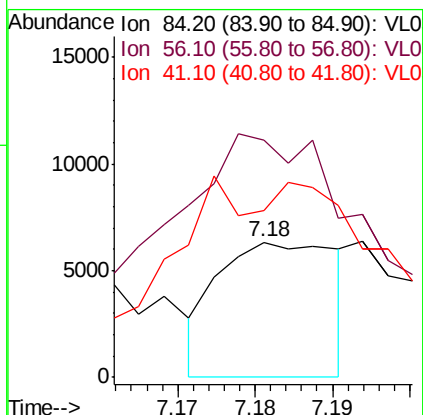
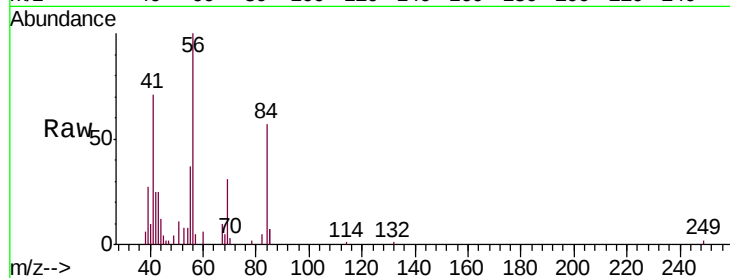




#30
Cyclohexane
Concen: 0.087 ppbv
RT: 7.18 min Scan# 1320
Delta R.T. -0.01 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

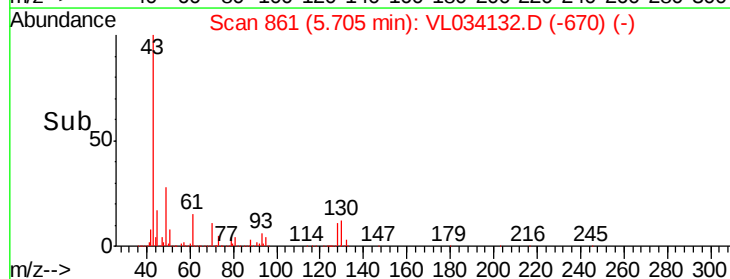
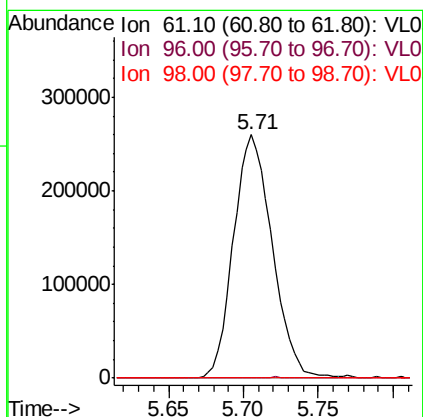
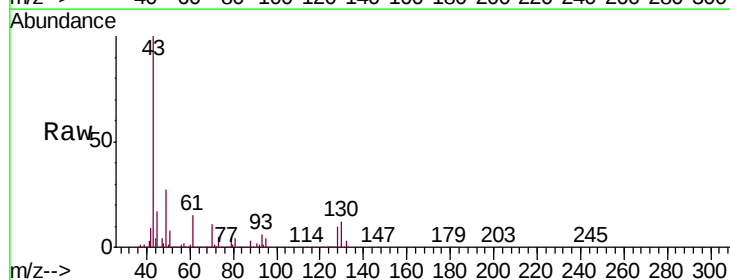
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

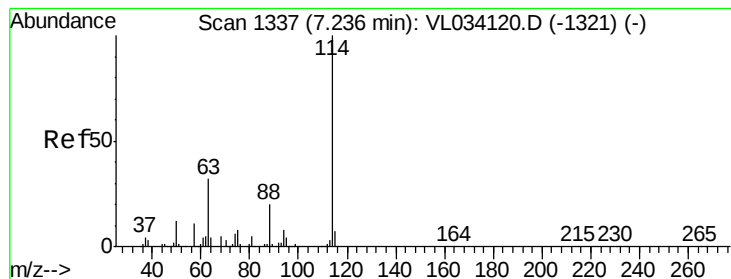
Tgt Ion: 84 Resp: 6739
Ion Ratio Lower Upper
84 100
56 0.0 122.6 183.8#
41 0.0 79.1 118.7#



#31
cis-1,2-Dichloroethene
Concen: 4.560 ppbv
RT: 5.71 min Scan# 861
Delta R.T. 0.12 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 61 Resp: 468065
Ion Ratio Lower Upper
61 100
96 0.2 44.4 66.6#
98 0.0 30.0 45.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.24 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

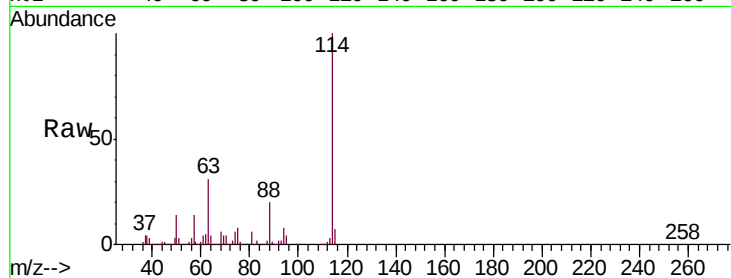
Tgt Ion: 114 Resp: 1788713

Ion Ratio Lower Upper

114 100

63 30.3 25.5 38.3

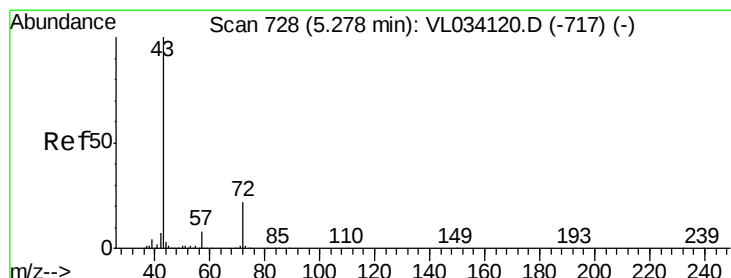
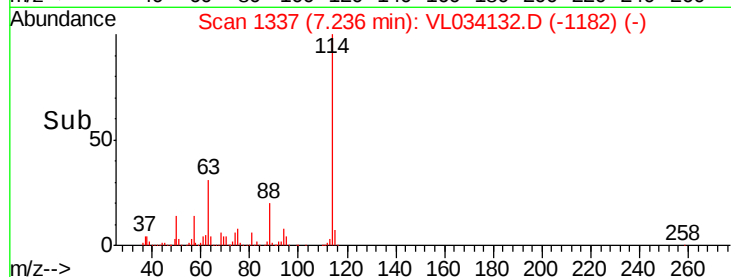
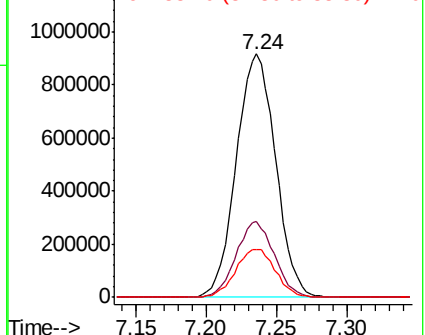
88 20.1 16.8 25.2



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 22.742 ppbv

RT: 5.27 min Scan# 726

Delta R.T. -0.01 min

Lab File: VL034132.D

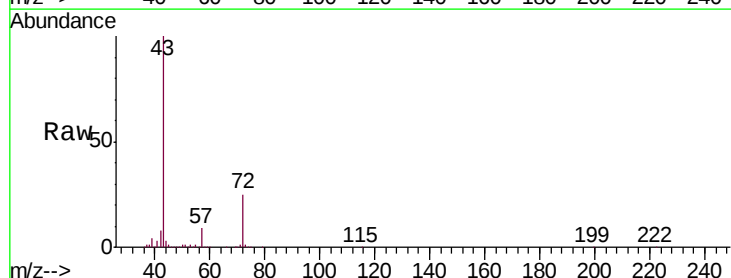
Acq: 5 Sep 2019 12:13

Tgt Ion: 43 Resp: 3910842

Ion Ratio Lower Upper

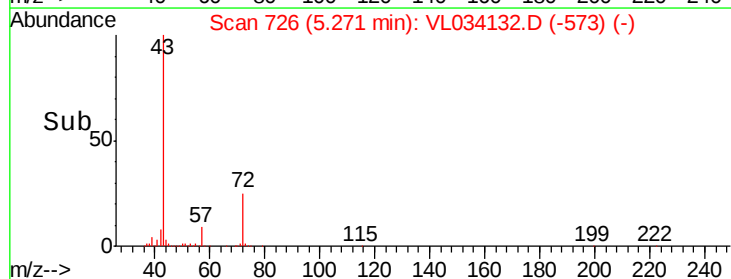
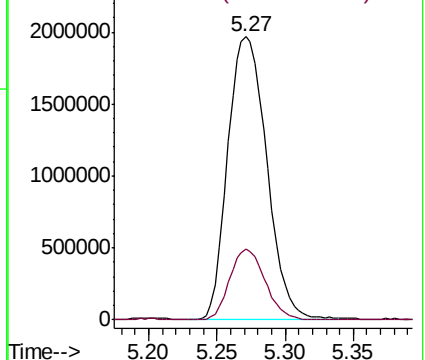
43 100

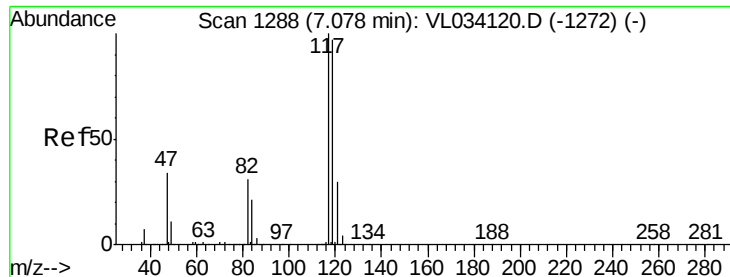
72 23.0 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.049 ppbv

RT: 7.07 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

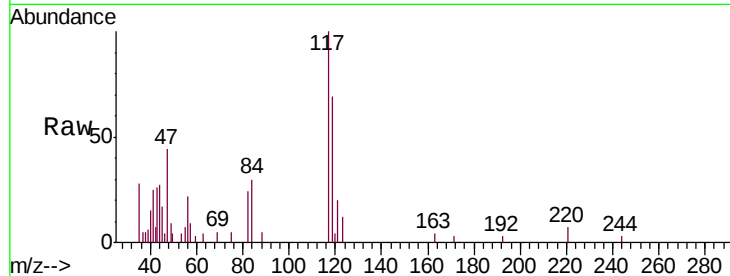
Tgt Ion:117 Resp: 6835

Ion Ratio Lower Upper

117 100

119 73.4 77.2 115.8#

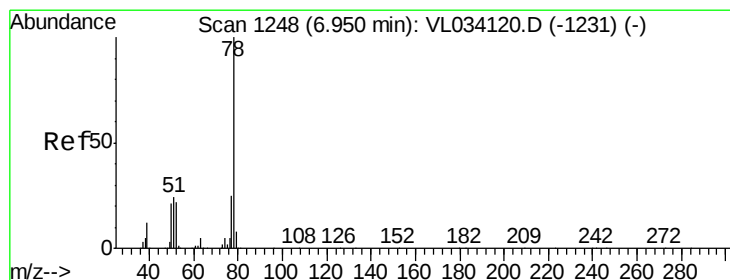
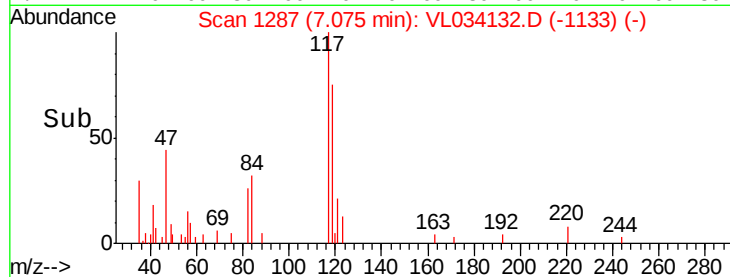
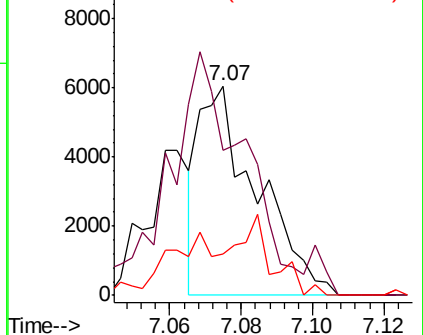
121 19.7 24.2 36.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.313 ppbv

RT: 6.95 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

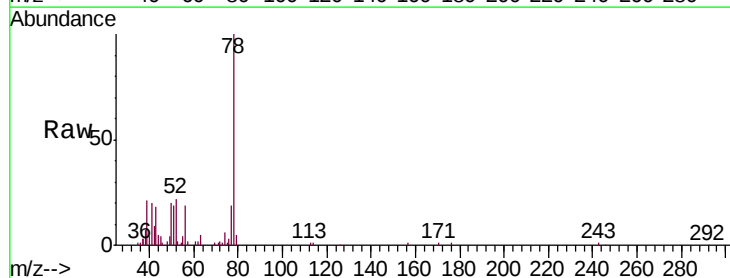
Tgt Ion: 78 Resp: 64093

Ion Ratio Lower Upper

78 100

77 18.4 20.3 30.5#

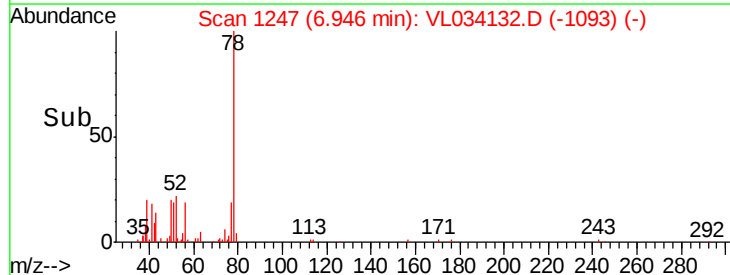
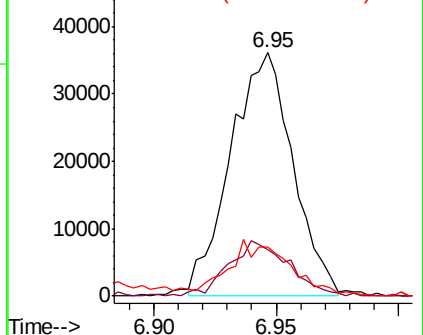
50 19.2 16.9 25.3

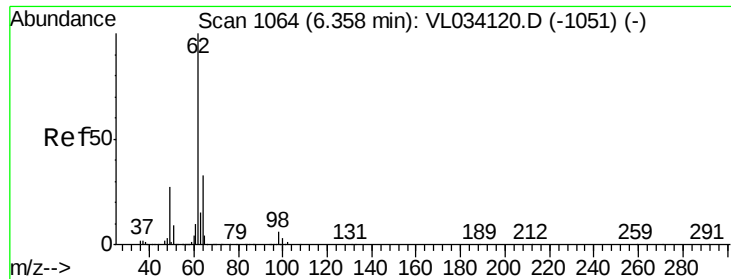


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

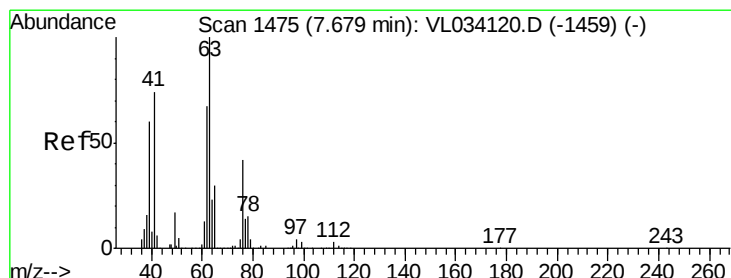
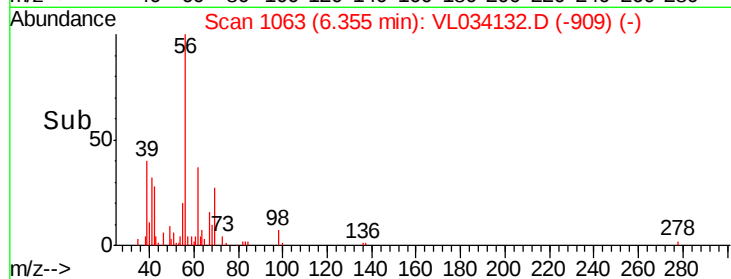
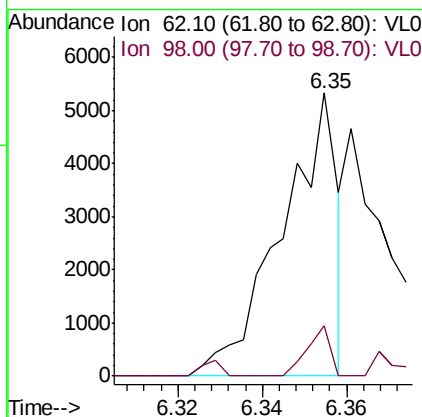
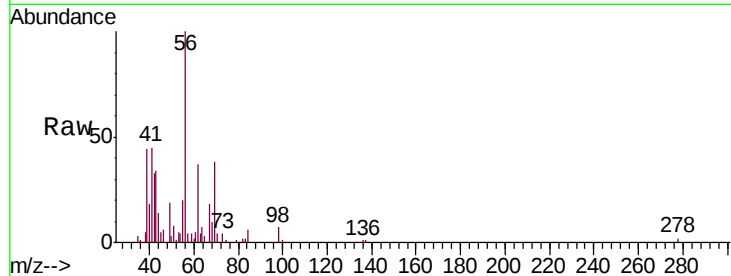




#37
 1,2-Dichloroethane
 Concen: 0.039 ppbv
 RT: 6.35 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

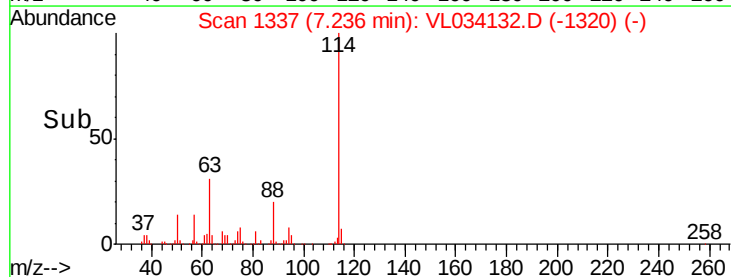
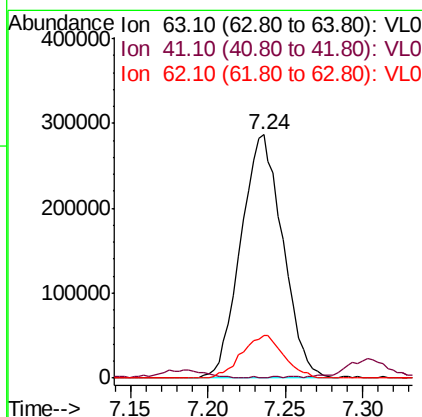
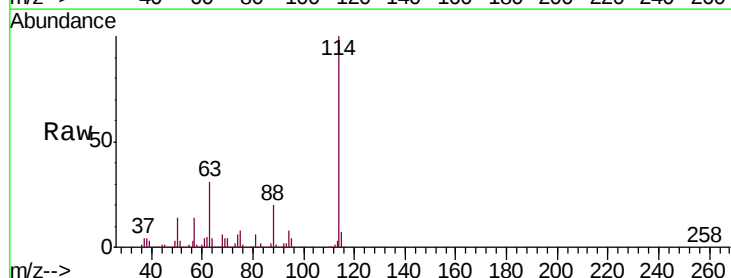
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

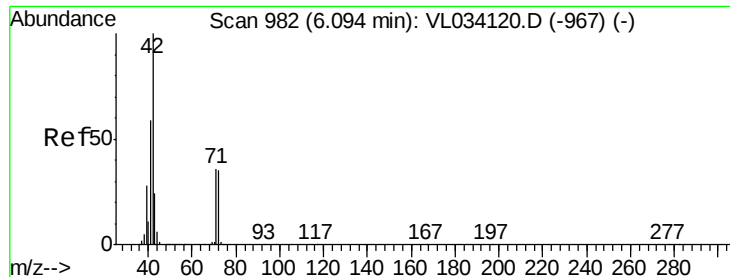
Tgt Ion: 62 Resp: 4860
 Ion Ratio Lower Upper
 62 100
 98 13.4 4.4 6.6#



#39
 1,2-Dichloropropane
 Concen: 6.182 ppbv
 RT: 7.24 min Scan# 1337
 Delta R.T. -0.44 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 63 Resp: 540925
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.3 88.9#
 62 17.5 53.8 80.6#

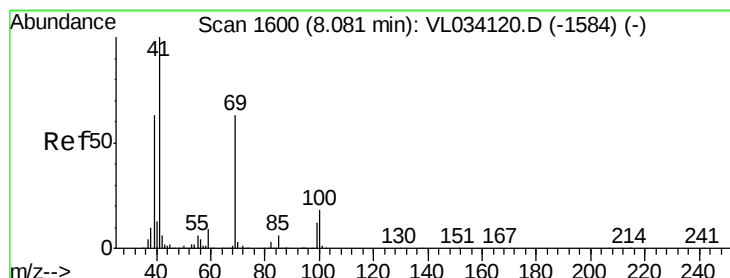
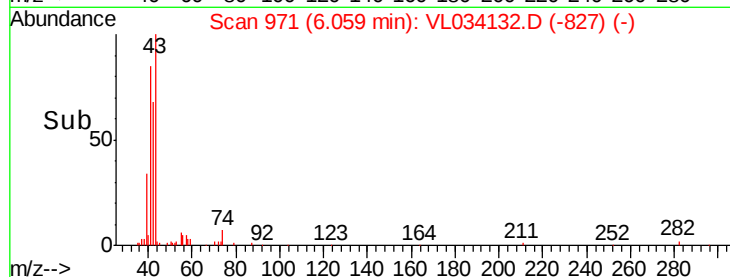
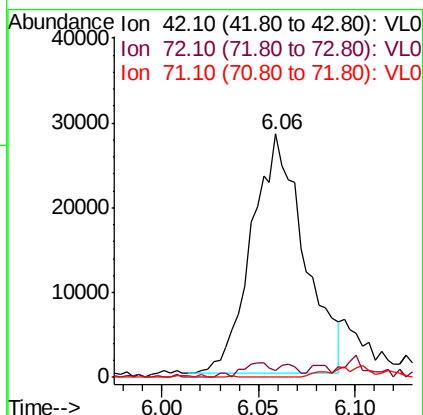
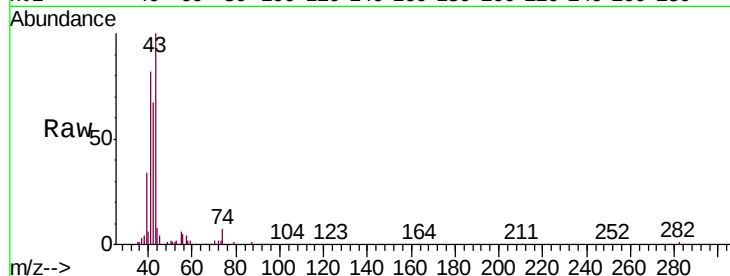




#41
Tetrahydrofuran
Concen: 0.517 ppbv
RT: 6.06 min Scan# 971
Delta R.T. -0.04 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

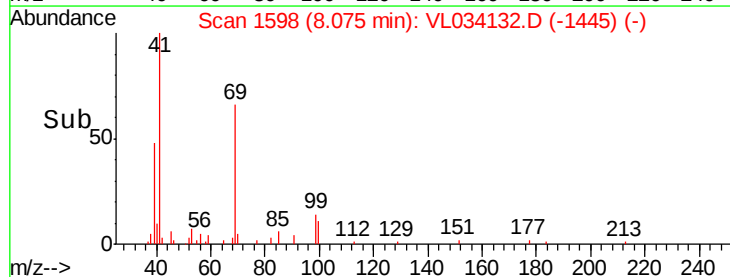
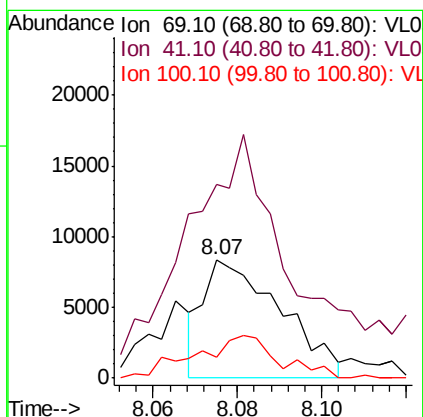
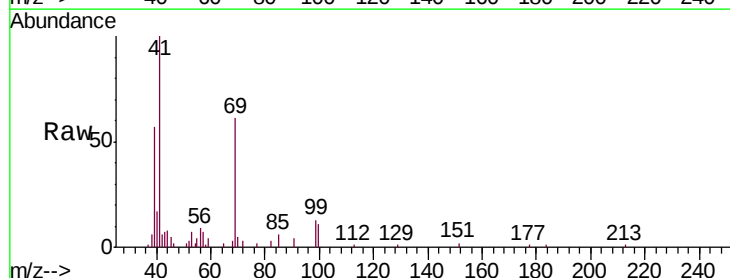
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

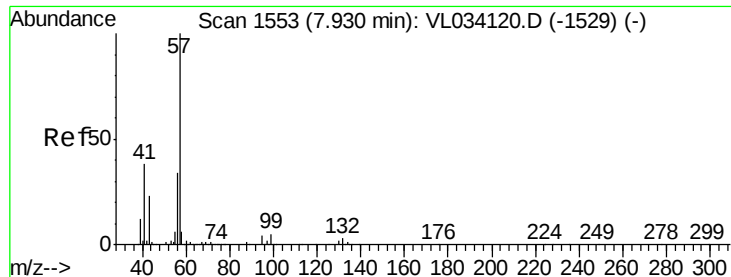
Tgt Ion: 42 Resp: 53291
Ion Ratio Lower Upper
42 100
72 5.5 27.7 41.5#
71 0.0 26.7 40.1#



#43
Methyl Methacrylate
Concen: 0.126 ppbv
RT: 8.07 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 69 Resp: 10595
Ion Ratio Lower Upper
69 100
41 302.4 131.0 196.6#
100 39.2 22.6 33.8#

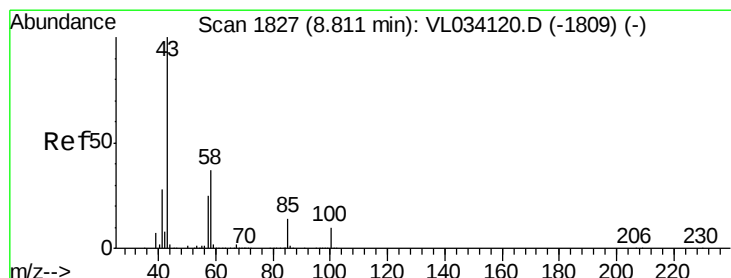
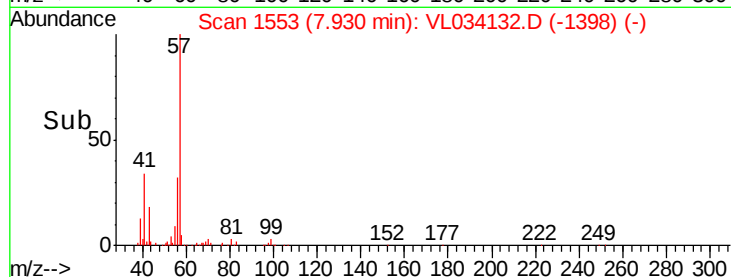
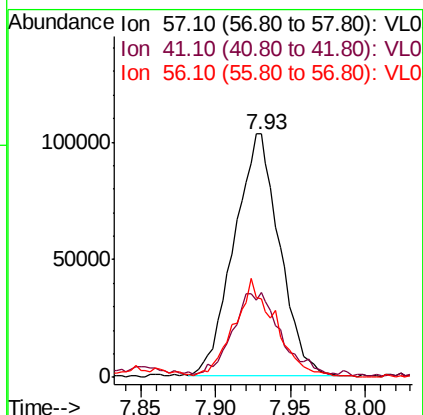
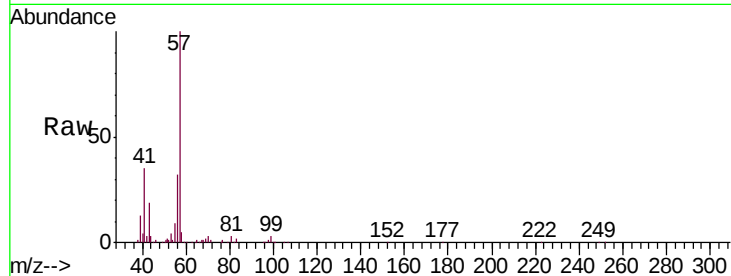




#44
 2,2,4-Trimethylpentane
 Concen: 0.578 ppbv
 RT: 7.93 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

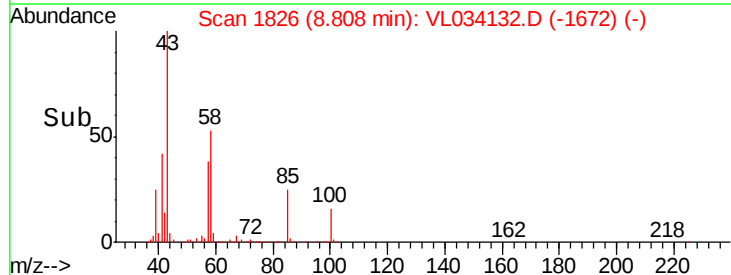
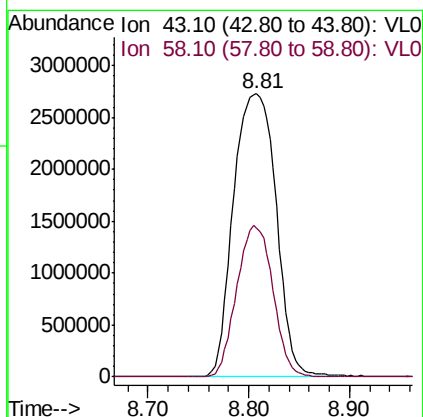
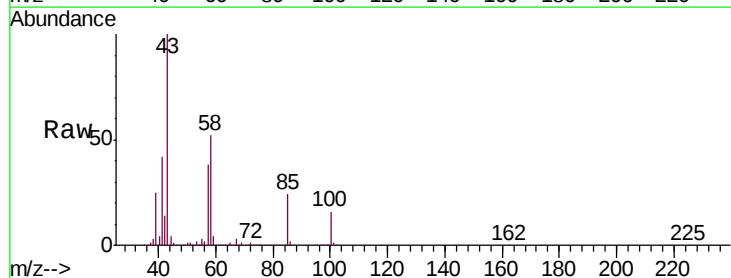
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

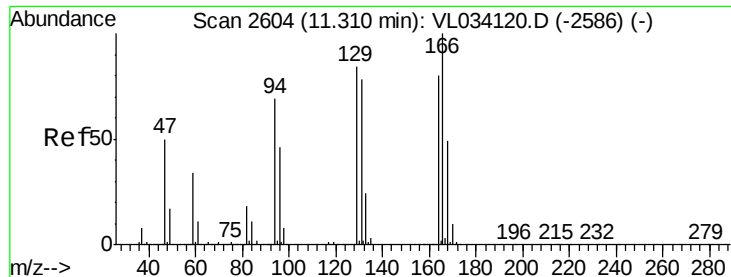
Tgt Ion: 57 Resp: 217769
 Ion Ratio Lower Upper
 57 100
 41 39.4 28.4 42.6
 56 38.1 26.3 39.5



#50
 4-Methyl-2-Pentanone
 Concen: 30.525 ppbv
 RT: 8.81 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 43 Resp: 8010011
 Ion Ratio Lower Upper
 43 100
 58 45.5 28.5 42.7#





#52

Tetrachloroethene

Concen: 0.039 ppbv

RT: 11.31 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tgt Ion:164 Resp: 2834

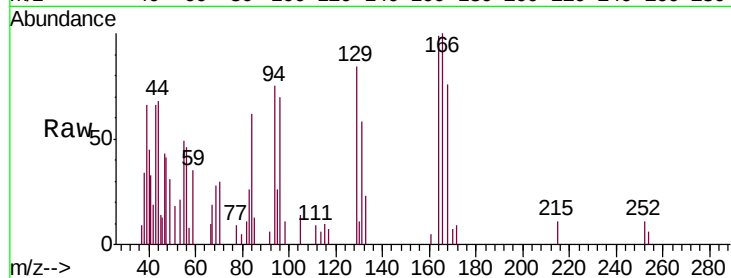
Ion Ratio Lower Upper

164 100

166 75.2 99.5 149.3#

129 51.3 83.6 125.4#

131 47.6 77.9 116.9#



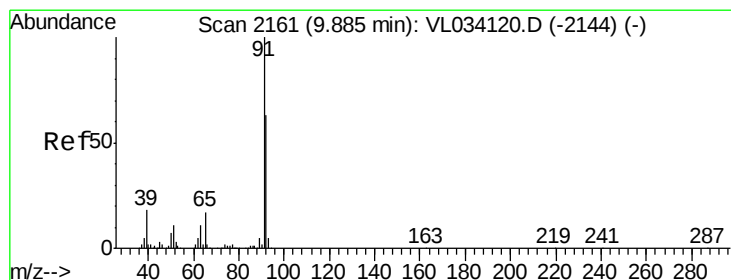
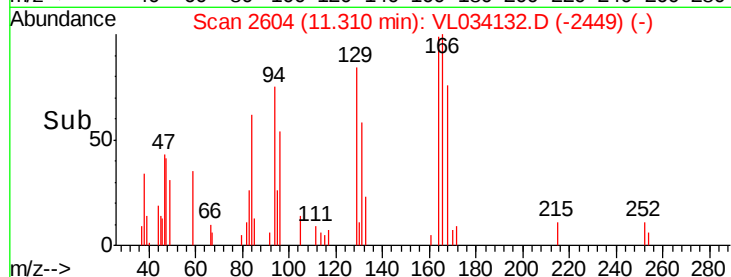
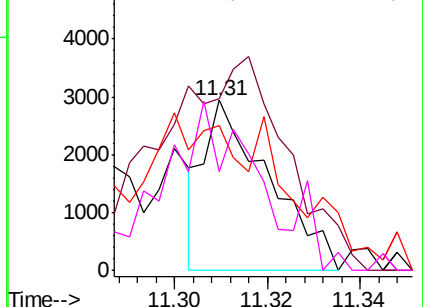
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 7.692 ppbv

RT: 9.88 min Scan# 2160

Delta R.T. -0.00 min

Lab File: VL034132.D

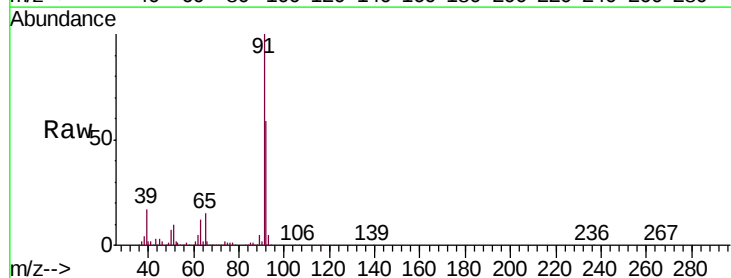
Acq: 5 Sep 2019 12:13

Tgt Ion: 91 Resp: 1739282

Ion Ratio Lower Upper

91 100

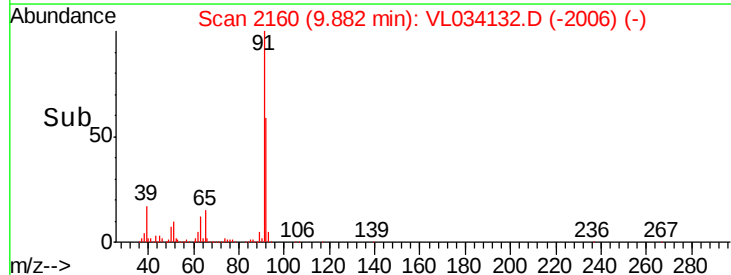
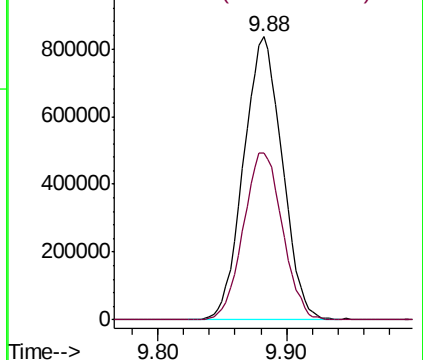
92 60.0 49.3 73.9

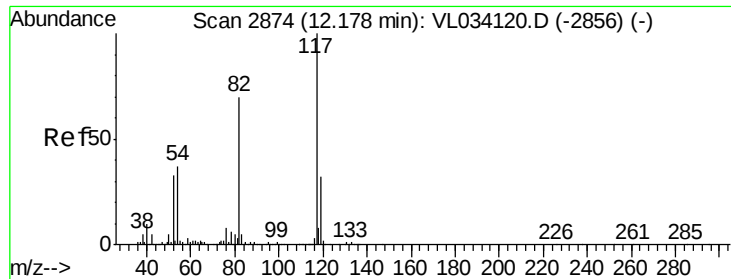


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

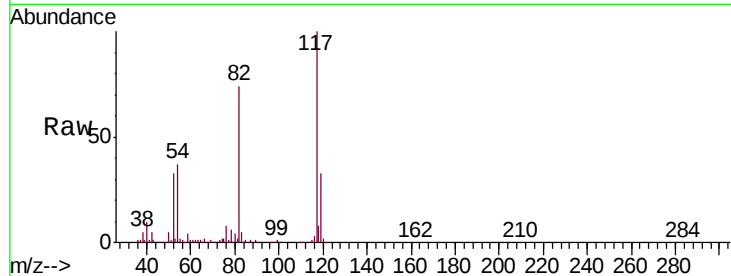




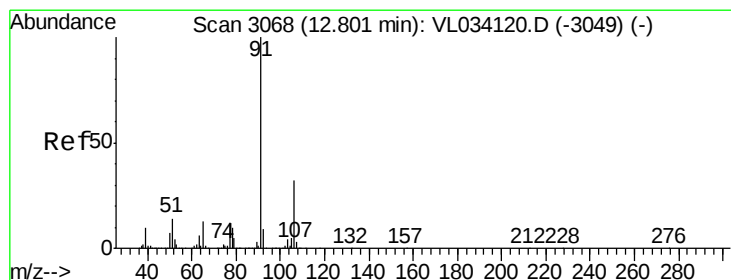
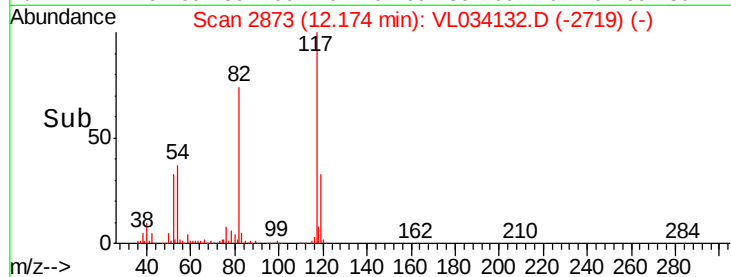
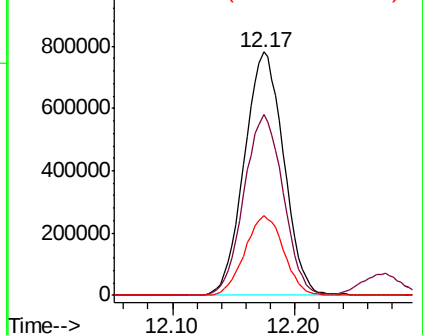
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tgt Ion: 117 Resp: 1738467
Ion Ratio Lower Upper
117 100
82 74.0 55.8 83.6
119 32.5 43.1 64.7#

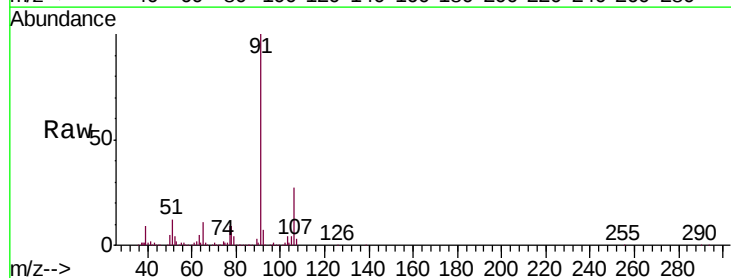


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

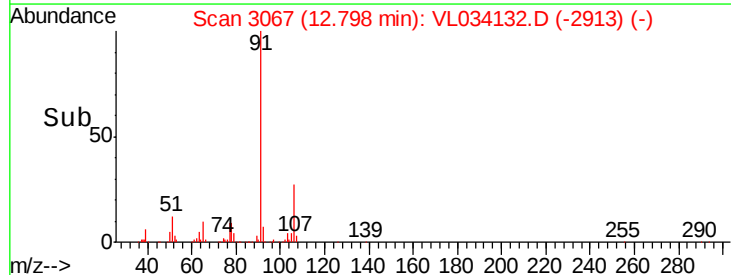
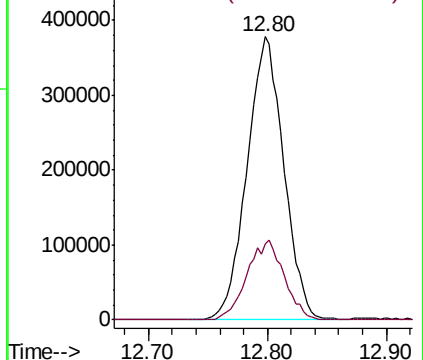


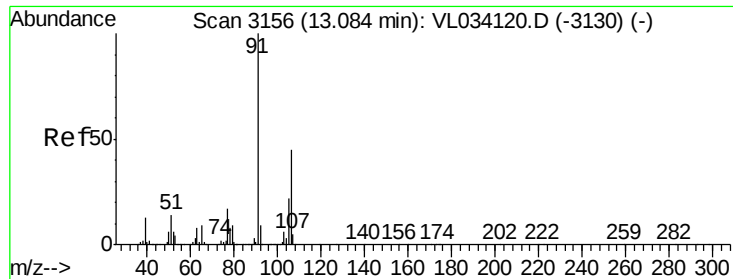
#58
Ethyl Benzene
Concen: 2.832 ppbv
RT: 12.80 min Scan# 3067
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 91 Resp: 807191
Ion Ratio Lower Upper
91 100
106 27.1 25.3 37.9



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





#59

m/p-Xylene

Concen: 6.786 ppbv

RT: 13.05 min Scan# 3146

Delta R.T. -0.03 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

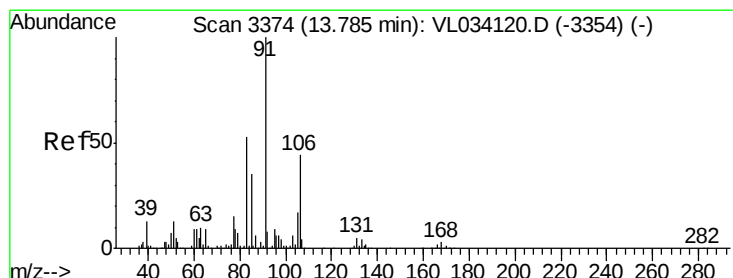
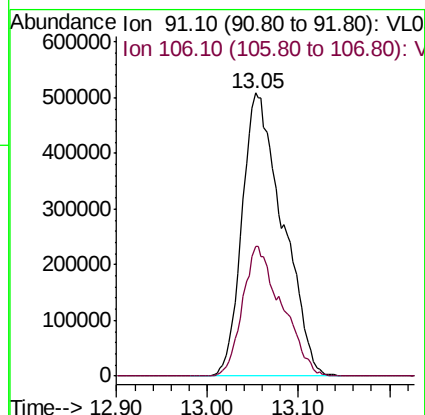
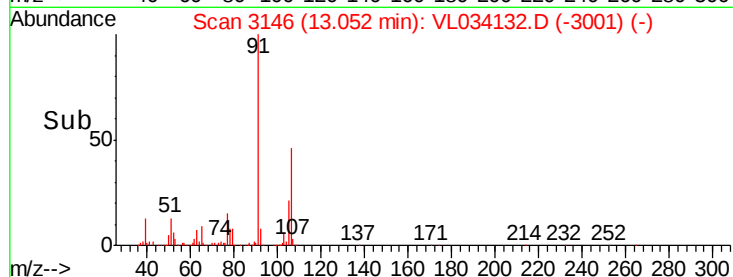
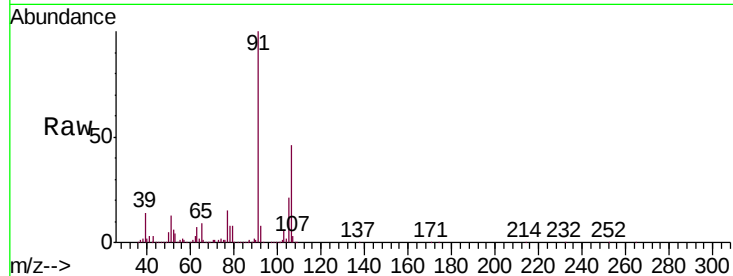
AMBIENTDUP

Tgt Ion: 91 Resp: 1577996

Ion Ratio Lower Upper

91 100

106 44.4 35.4 53.2



#60

o-Xylene

Concen: 3.624 ppbv

RT: 13.79 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VL034132.D

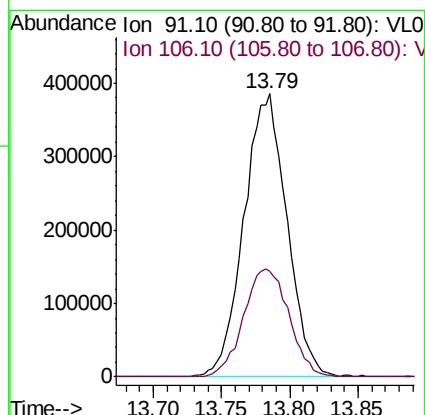
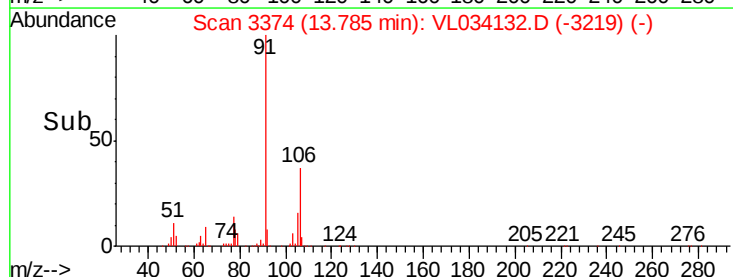
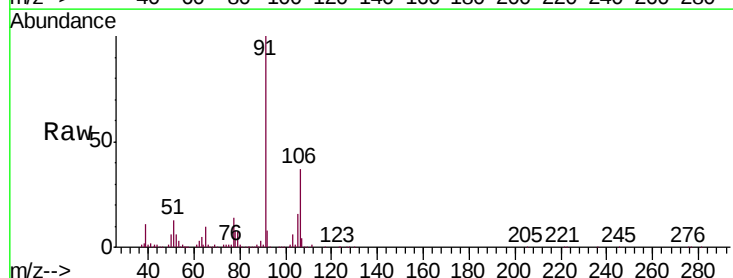
Acq: 5 Sep 2019 12:13

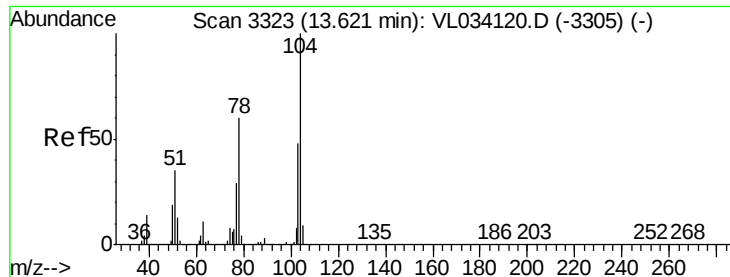
Tgt Ion: 91 Resp: 839459

Ion Ratio Lower Upper

91 100

106 40.4 21.4 64.3





#61

Styrene

Concen: 1.414 ppbv

RT: 13.62 min Scan# 3322

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

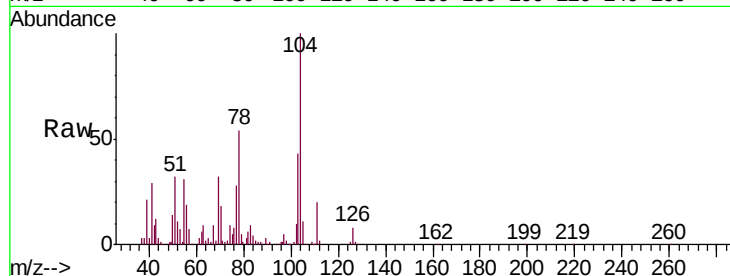
Tgt Ion:104 Resp: 244970

Ion Ratio Lower Upper

104 100

78 58.2 47.8 71.6

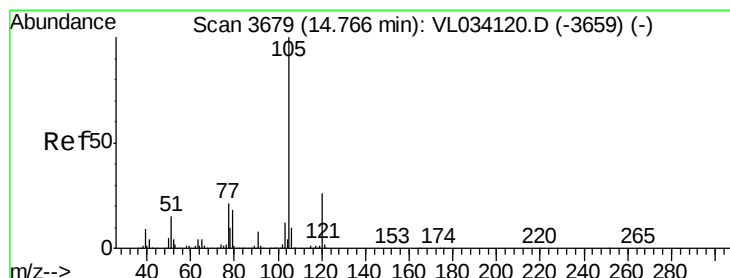
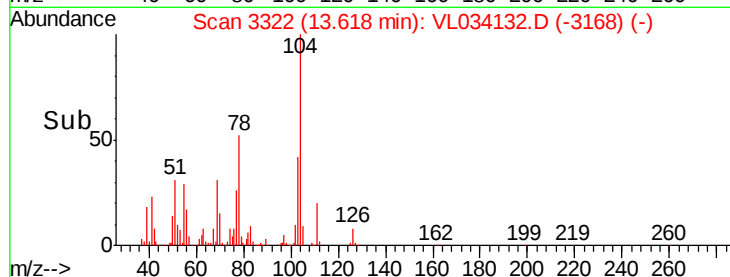
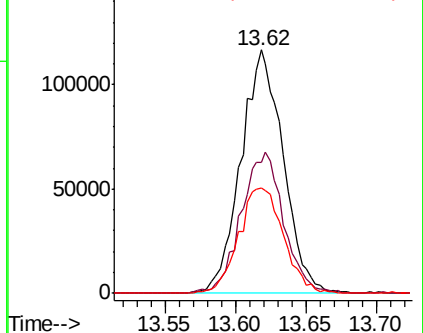
103 45.8 38.7 58.1



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: 0.458 ppbv

RT: 14.76 min Scan# 3676

Delta R.T. -0.01 min

Lab File: VL034132.D

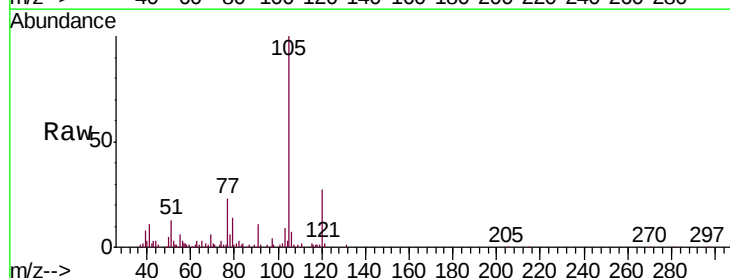
Acq: 5 Sep 2019 12:13

Tgt Ion:105 Resp: 138008

Ion Ratio Lower Upper

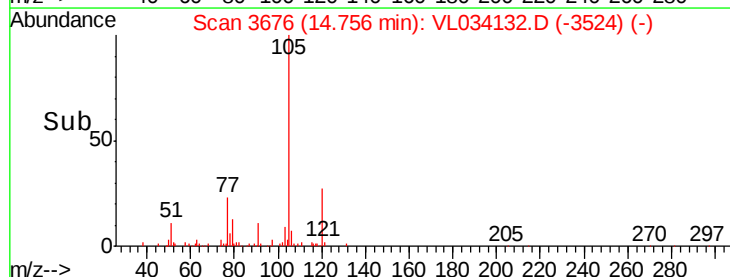
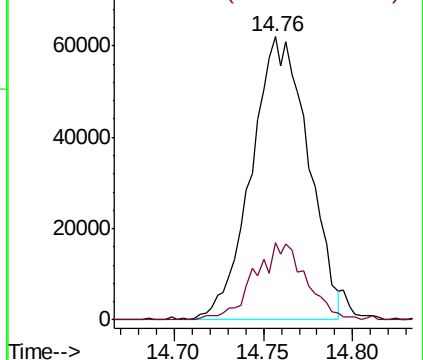
105 100

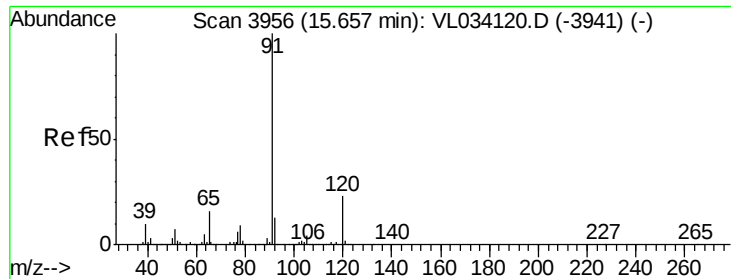
120 25.0 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.600 ppbv

RT: 15.65 min Scan# 3953

Delta R.T. -0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

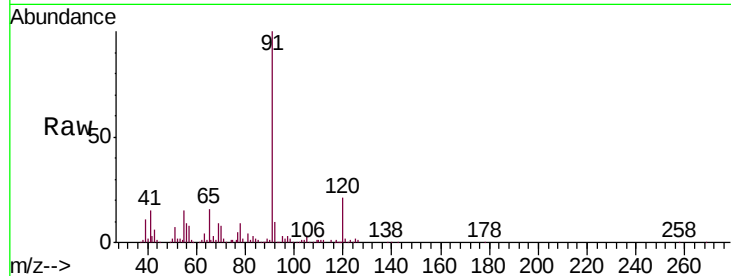
AMBIENTDUP

Tgt Ion:120 Resp: 45314

Ion Ratio Lower Upper

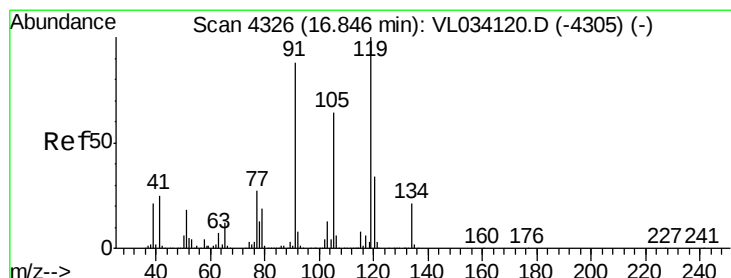
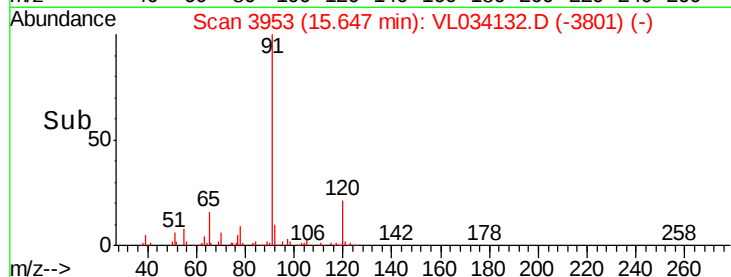
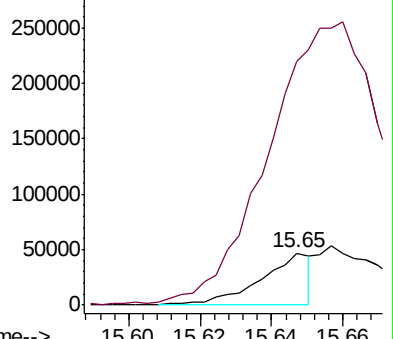
120 100

91 0.0 376.8 565.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 1.243 ppbv

RT: 16.86 min Scan# 4330

Delta R.T. 0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

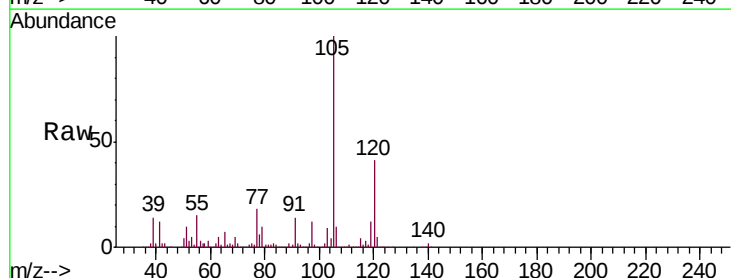
Tgt Ion:119 Resp: 323319

Ion Ratio Lower Upper

119 100

91 122.2 72.8 109.2#

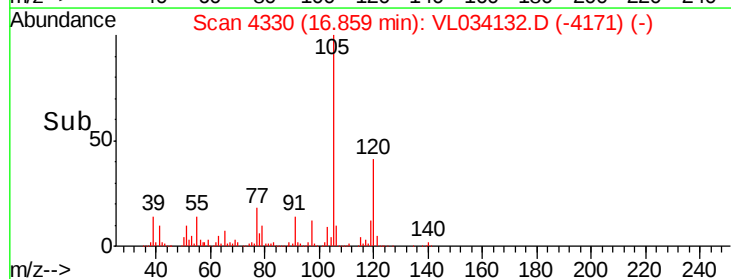
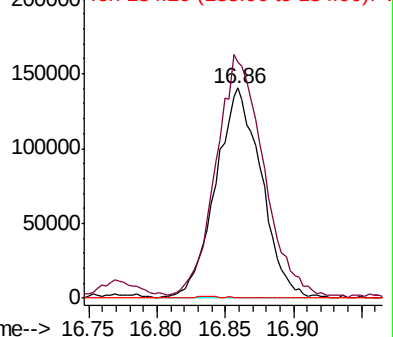
134 0.5 15.8 23.8#

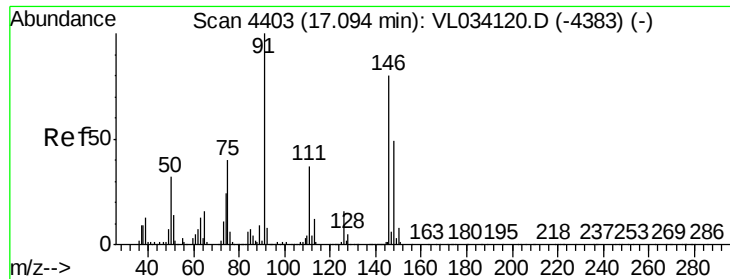


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

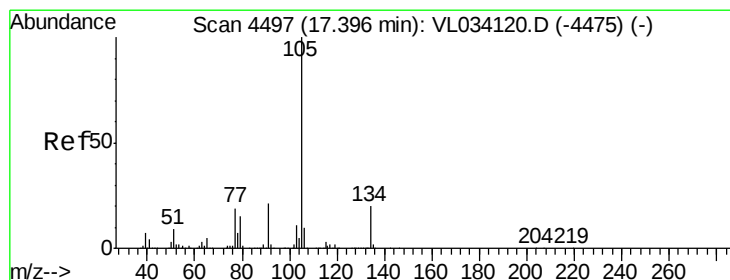
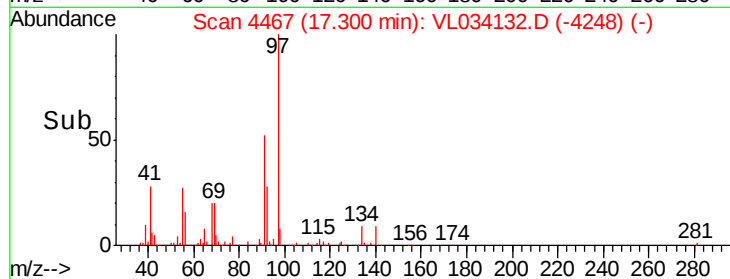
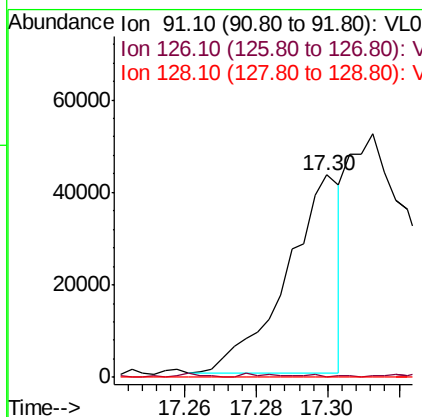
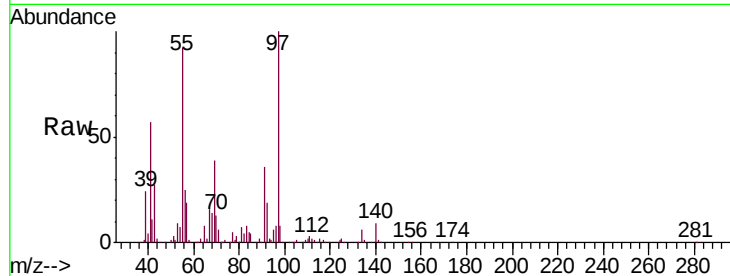




#66
Benzyl Chloride
Concen: 0.469 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. 0.21 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

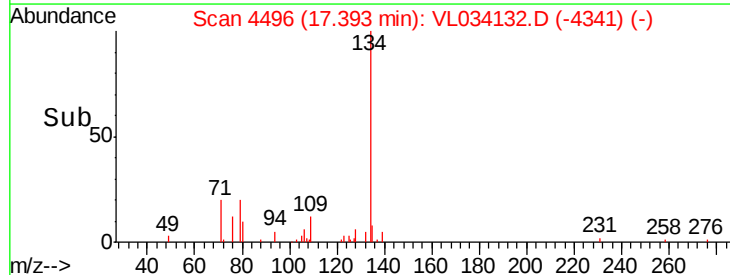
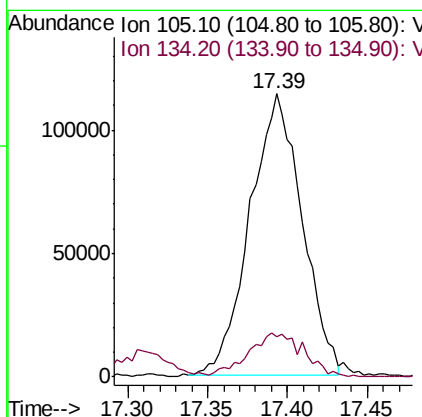
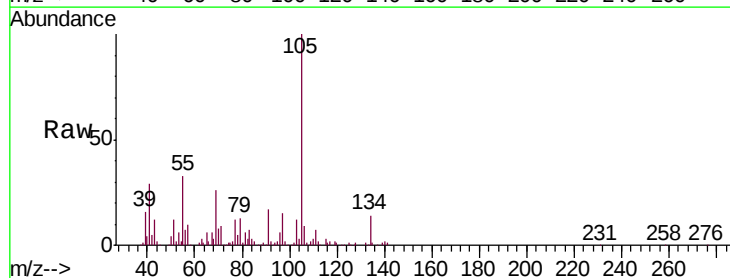
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

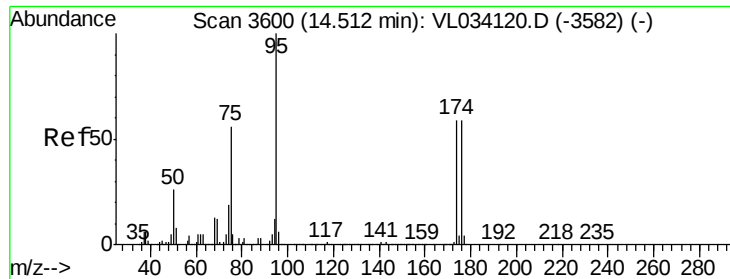
Tgt Ion: 91 Resp: 45002
Ion Ratio Lower Upper
91 100
126 4.3 13.7 20.5#
128 0.1 4.2 6.4#



#67
sec-Butylbenzene
Concen: 0.684 ppbv
RT: 17.39 min Scan# 4496
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 105 Resp: 255731
Ion Ratio Lower Upper
105 100
134 16.8 15.0 22.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.623 ppbv

RT: 14.51 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

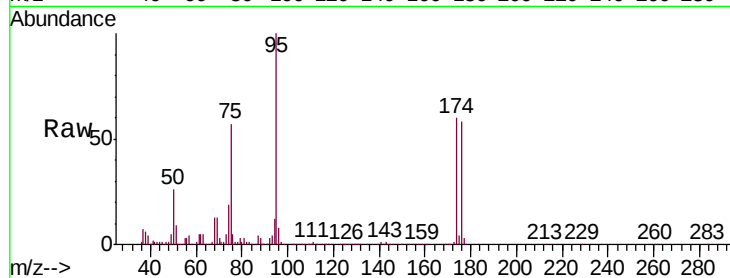
Tgt Ion: 95 Resp: 1509713

Ion Ratio Lower Upper

95 100

174 60.2 48.1 72.1

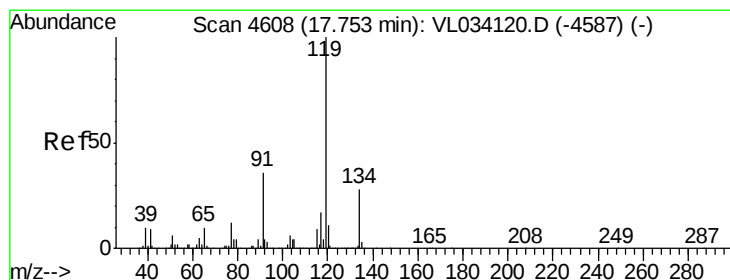
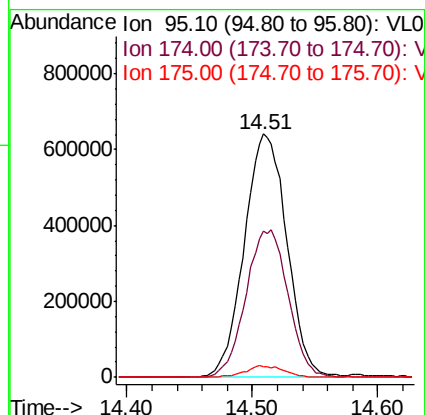
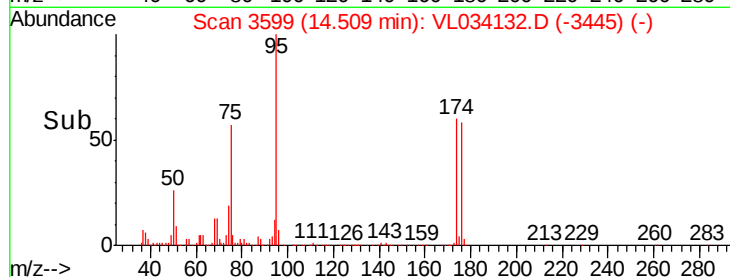
175 4.5 3.5 5.3



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: 0.749 ppbv

RT: 17.75 min Scan# 4608

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

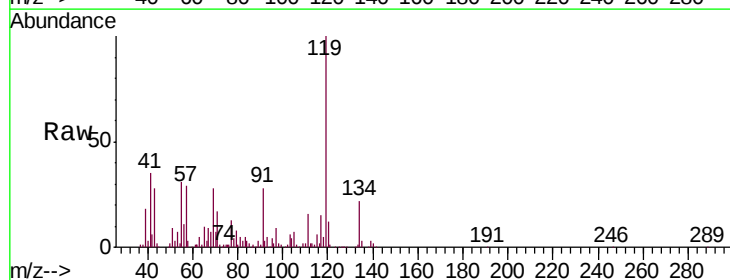
Tgt Ion: 119 Resp: 224031

Ion Ratio Lower Upper

119 100

134 23.9 20.8 31.2

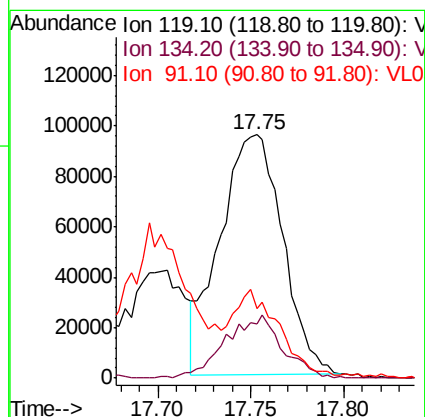
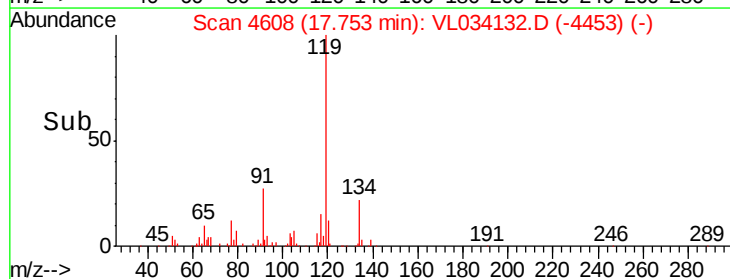
91 30.5 27.2 40.8

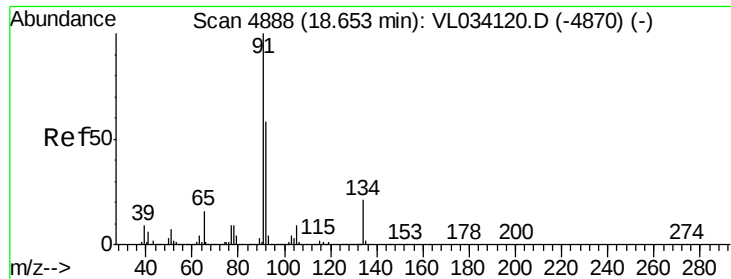


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

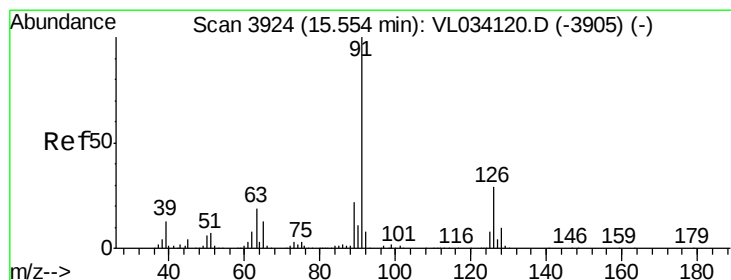
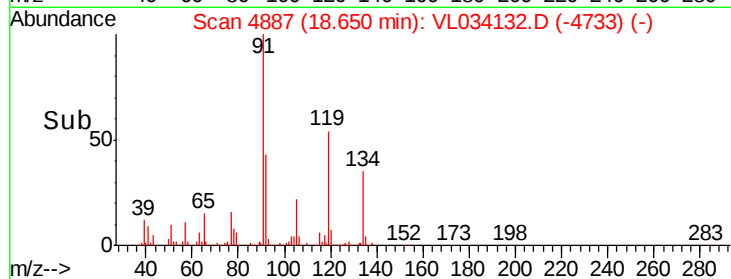
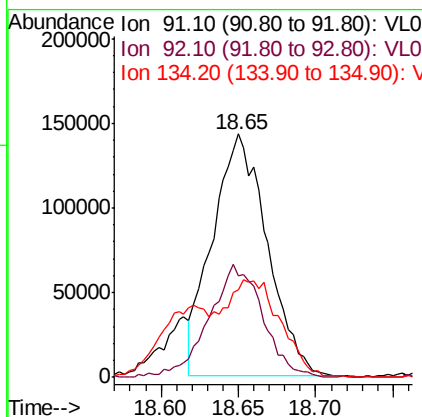
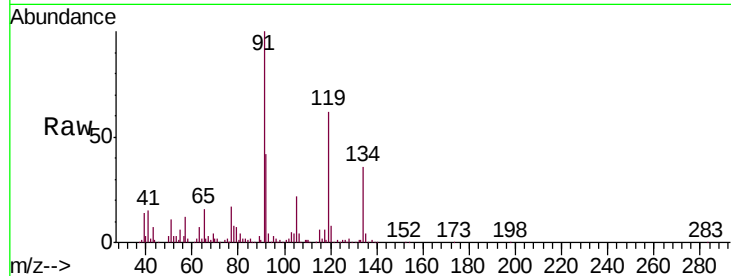




#70
n-Butylbenzene
Concen: 1.033 ppbv
RT: 18.65 min Scan# 4887
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

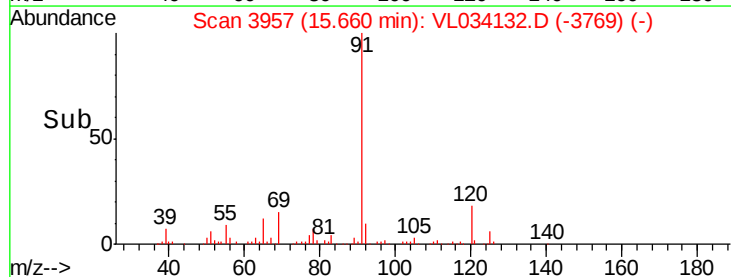
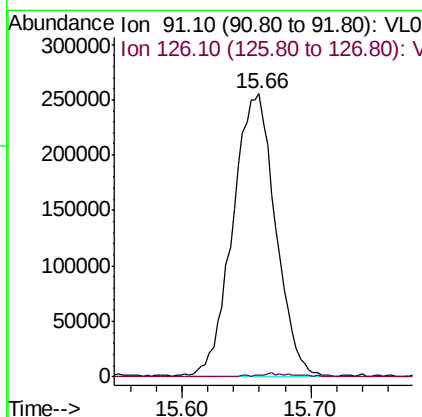
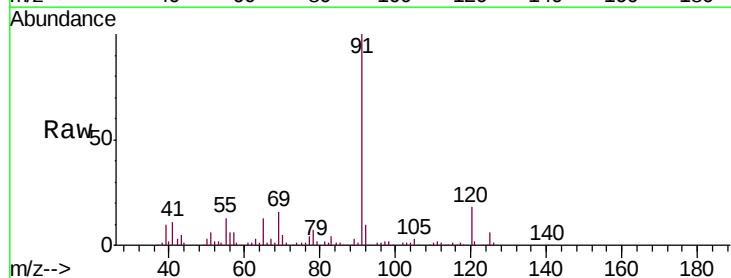
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

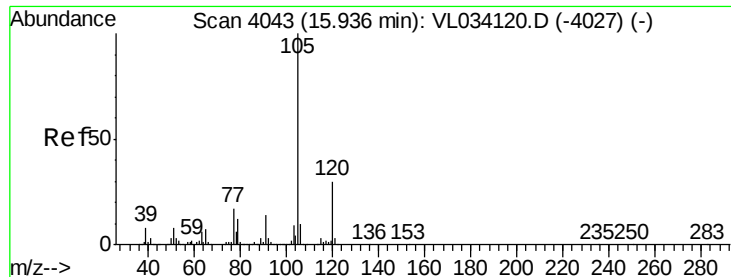
Tgt Ion: 91 Resp: 351731
Ion Ratio Lower Upper
91 100
92 46.0 45.3 67.9
134 68.2 17.4 26.0#



#71
2-Chlorotoluene
Concen: 2.385 ppbv
RT: 15.66 min Scan# 3957
Delta R.T. 0.11 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 91 Resp: 587217
Ion Ratio Lower Upper
91 100
126 1.2 11.4 45.4#





#72

4-Ethyltoluene

Concen: 3.102 ppbv

RT: 15.93 min Scan# 4042

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tgt Ion:105 Resp: 810666

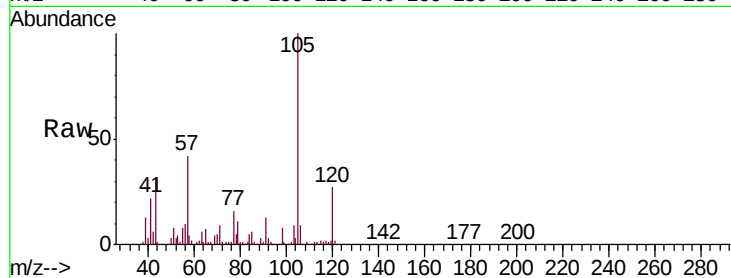
Ion Ratio Lower Upper

105 100

120 27.7 23.8 35.6

91 12.7 11.4 17.0

77 15.2 12.6 18.8

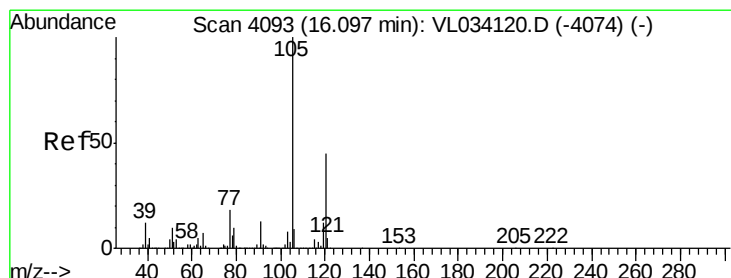
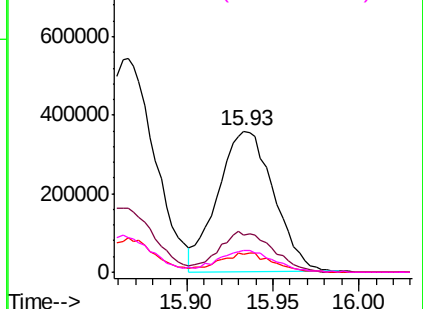
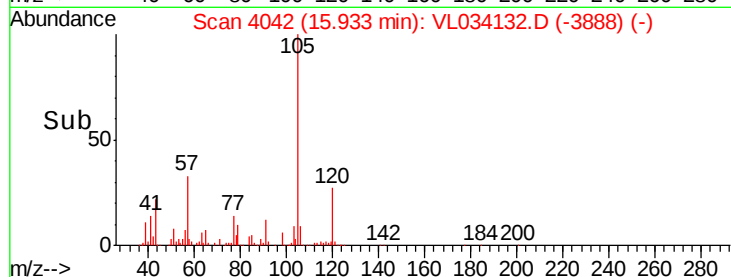


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 1.400 ppbv

RT: 16.09 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VL034132.D

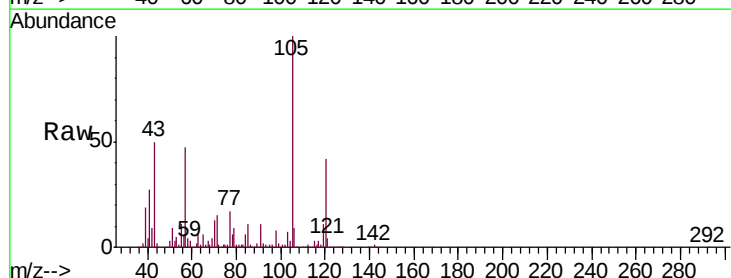
Acq: 5 Sep 2019 12:13

Tgt Ion:105 Resp: 355633

Ion Ratio Lower Upper

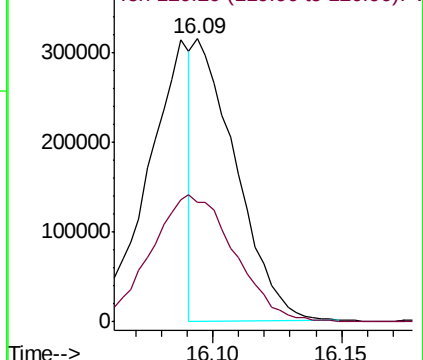
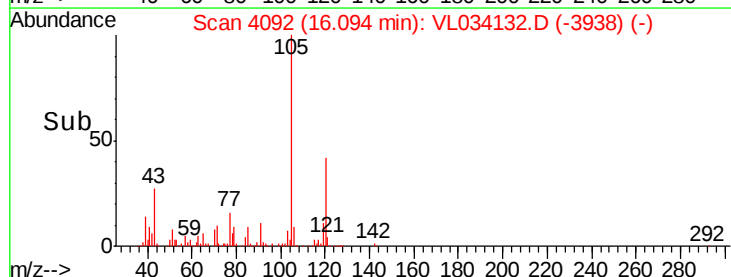
105 100

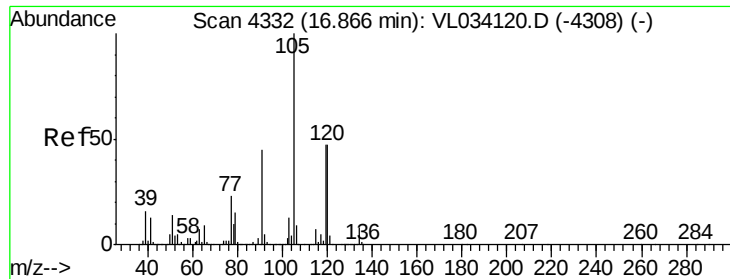
120 42.0 35.8 53.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

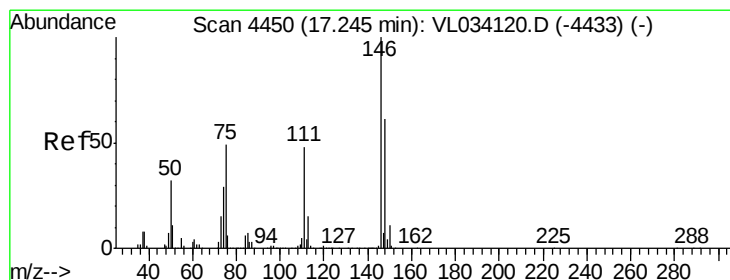
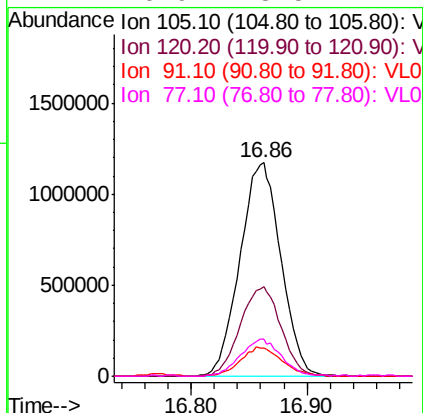
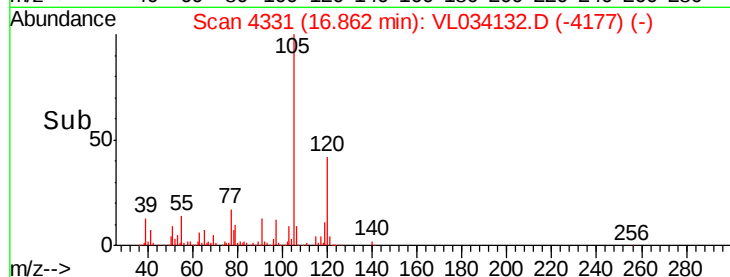
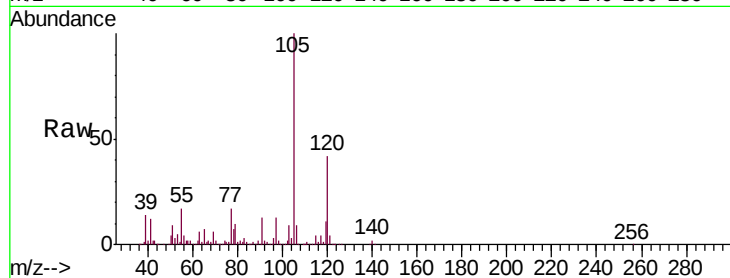




#74
 1,2,4-Trimethylbenzene
 Concen: 10.977 ppbv
 RT: 16.86 min Scan# 4331
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

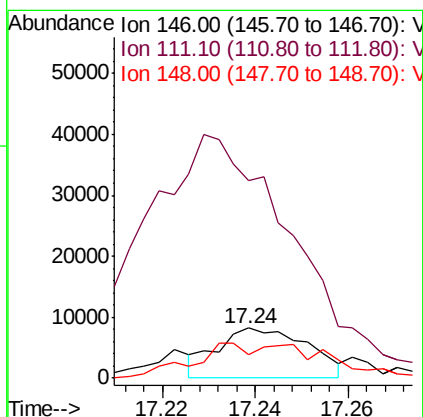
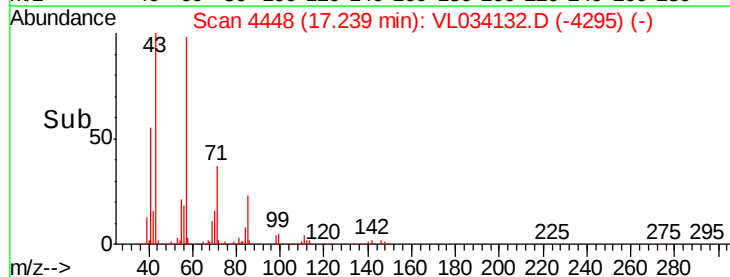
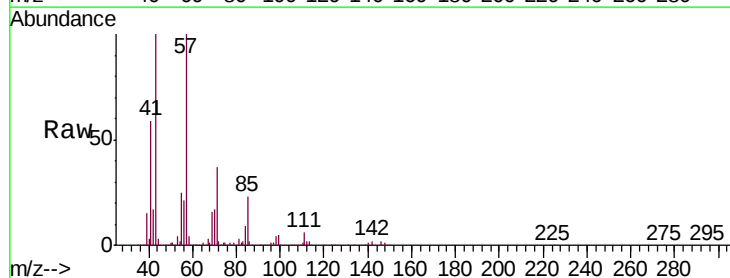
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

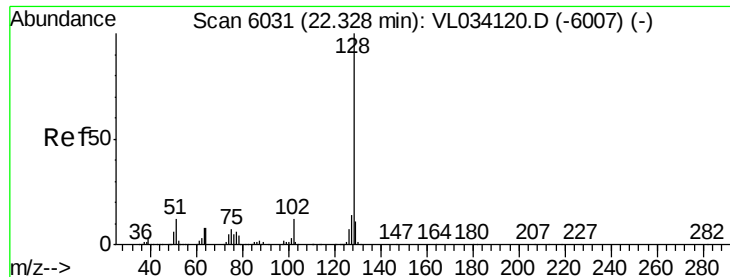
Tgt Ion:105 Resp: 2870892
 Ion Ratio Lower Upper
 105 100
 120 41.9 37.7 56.5
 91 13.0 36.2 54.2#
 77 16.9 18.5 27.7#



#76
 1,4-Dichlorobenzene
 Concen: 0.077 ppbv
 RT: 17.24 min Scan# 4448
 Delta R.T. -0.01 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion:146 Resp: 11132
 Ion Ratio Lower Upper
 146 100
 111 848.9 24.3 72.8#
 148 105.3 32.6 98.0#





#79

Naphthalene

Concen: 0.081 ppbv

RT: 22.32 min Scan# 6029

Delta R.T. -0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

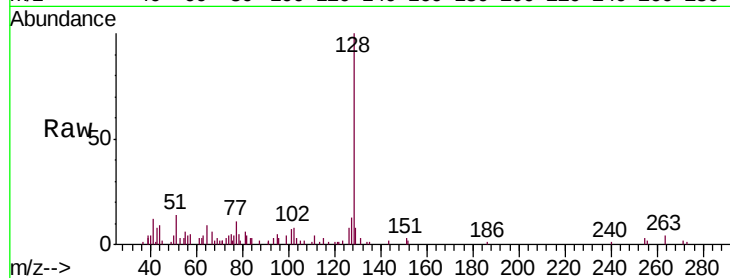
Tgt Ion:128 Resp: 19240

Ion Ratio Lower Upper

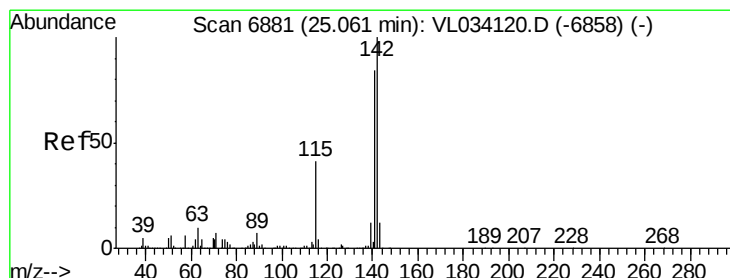
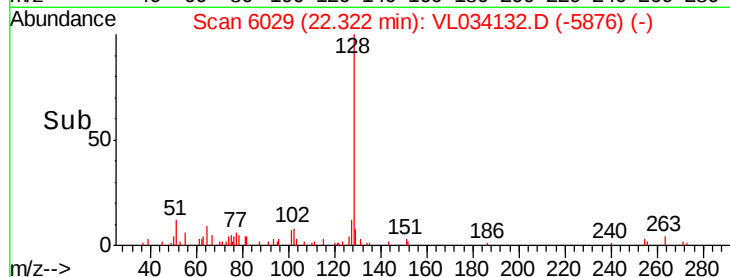
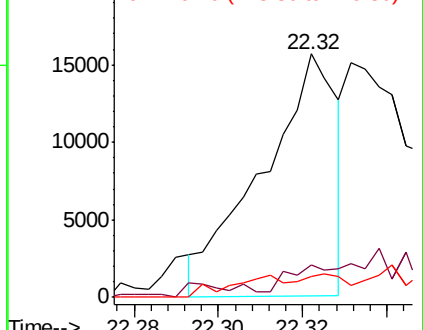
128 100

127 8.9 10.9 16.3#

129 10.1 8.5 12.7



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: 0.157 ppbv

RT: 25.06 min Scan# 6880

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

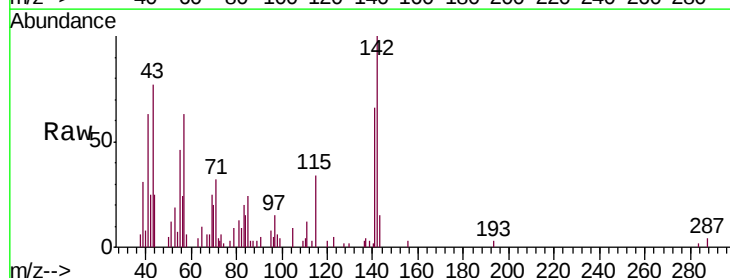
Tgt Ion:142 Resp: 12885

Ion Ratio Lower Upper

142 100

141 75.0 67.6 101.4

115 48.1 34.6 52.0



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

