

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034330.D
 Acq On : 18 Oct 2019 00:01
 Operator : SY/AP
 Sample : K5409-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Quant Time: Oct 18 04:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	892681	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1897517	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1958279	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1623480	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.90	51	19043	0.182	ppbv	92
4) Chloromethane	3.12	50	31228	0.505	ppbv #	88
6) Bromomethane	3.47	94	1260	0.044	ppbv #	73
7) Chloroethane	3.54	64	1028	0.049	ppbv #	79
9) Propene	2.99	41	2627444	56.648	ppbv	86
10) Heptane	8.17	43	726228	6.100	ppbv	99
11) Trichlorofluoromethane	3.95	101	15436	0.106	ppbv	100
13) Ethanol	3.60	45	31710	3.054	ppbv #	36
15) Acetone	3.84	43	7438778	58.259	ppbv #	79
16) 1,3-Butadiene	3.29	39	1341763	25.863	ppbv #	29
17) tert-Butyl alcohol	4.31	59	140120	1.719	ppbv #	1
19) Isopropyl Alcohol	3.97	45	72396	1.016	ppbv #	95
20) Methylene Chloride	4.35	84	54967	1.191	ppbv	92
21) Allyl Chloride	4.37	41	74530	1.056	ppbv #	23
23) Vinyl Acetate	5.07	43	200262	1.256	ppbv #	1
25) Ethyl Acetate	5.71	43	915944	4.249	ppbv #	77
26) Hexane	5.71	57	1234973	13.441	ppbv #	41
27) Carbon Disulfide	4.56	76	234685	2.460	ppbv	99
29) Chloroform	5.78	83	130511	0.898	ppbv	98
30) Cyclohexane	7.18	84	13291	0.197	ppbv #	1
31) cis-1,2-Dichloroethene	5.58	61	21014	0.225	ppbv	94
34) 2-Butanone	5.26	43	940332	6.063	ppbv	97
36) Benzene	6.93	78	1095434	6.017	ppbv #	94
38) Trichloroethene	7.88	130	179728	2.460	ppbv	95
39) 1,2-Dichloropropane	7.22	63	534454	6.817	ppbv #	21
41) Tetrahydrofuran	6.04	42	6308	0.073	ppbv #	70
42) Bromodichloromethane	7.84	83	7461	0.045	ppbv #	25
44) 2,2,4-Trimethylpentane	7.91	57	129298	0.384	ppbv #	54
50) 4-Methyl-2-Pentanone	8.80	43	107417	0.484	ppbv	100
51) 2-Hexanone	10.18	43	48140	0.264	ppbv #	30
52) Tetrachloroethene	11.33	164	13361254	187.228	ppbv	92
53) Toluene	9.86	91	1895154	9.432	ppbv	99
58) Ethyl Benzene	12.78	91	557069	2.035	ppbv	96
59) m/p-Xylene	13.04	91	1646088	6.940	ppbv	100
60) o-Xylene	13.77	91	636887	2.697	ppbv	100
61) Styrene	13.60	104	70942	0.427	ppbv	97
62) Isopropylbenzene	14.75	105	24785	0.079	ppbv #	30
64) n-propylbenzene	15.64	120	19117	0.239	ppbv #	1
65) tert-Butylbenzene	16.85	119	61514	0.223	ppbv #	1
70) n-Butylbenzene	18.64	91	46146	0.134	ppbv #	32
71) 2-Chlorotoluene	15.39	91	73810	0.305	ppbv #	49

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

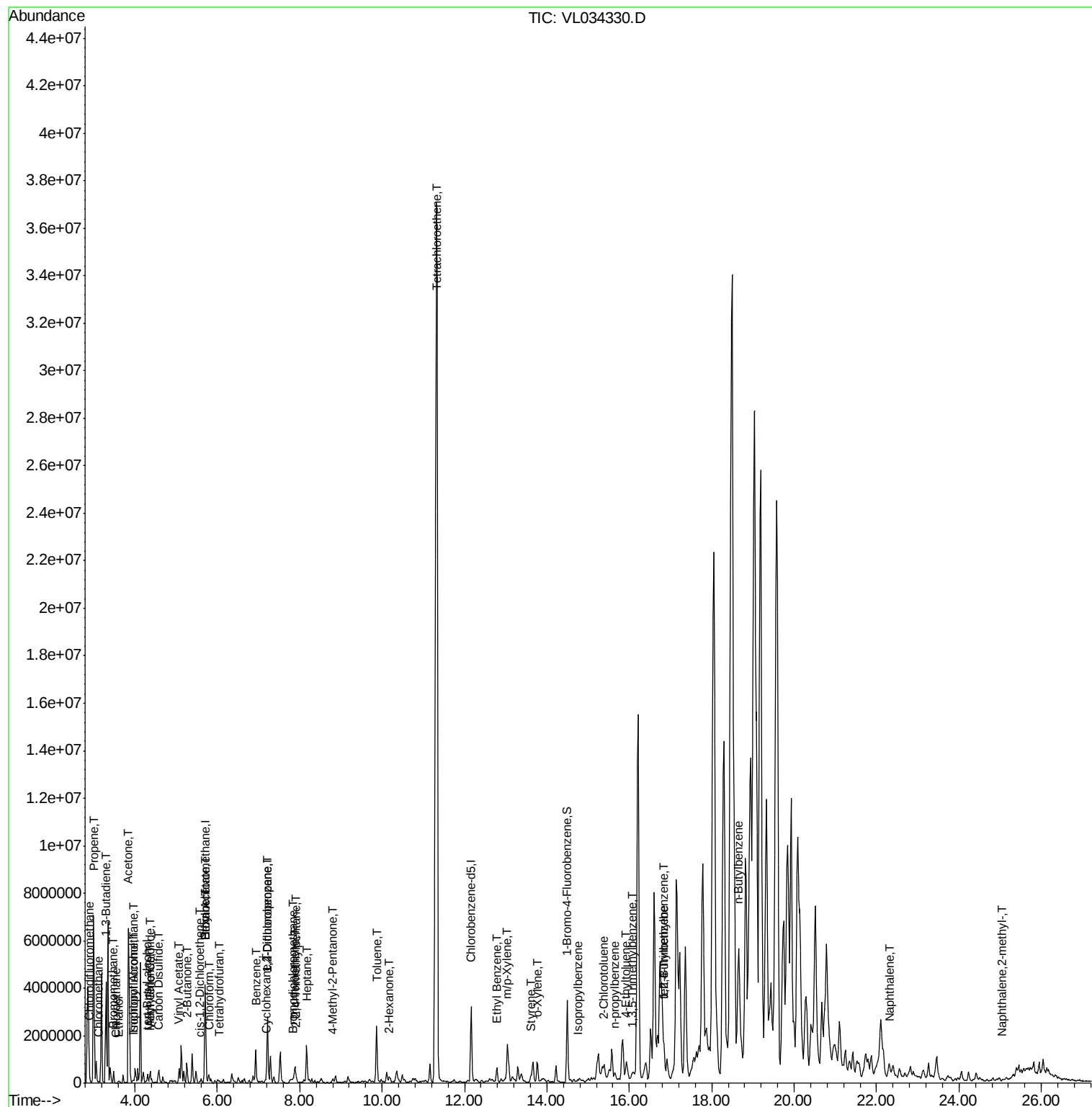
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.92	105	283108	1.066	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	233868	0.889	ppbv	98
74) 1,2,4-Trimethylbenzene	16.85	105	909228	3.314	ppbv #	72
79) Naphthalene	22.33	128	21744	0.109	ppbv #	77
80) Naphthalene,2-methyl-	25.04	142	5809	0.100	ppbv #	53

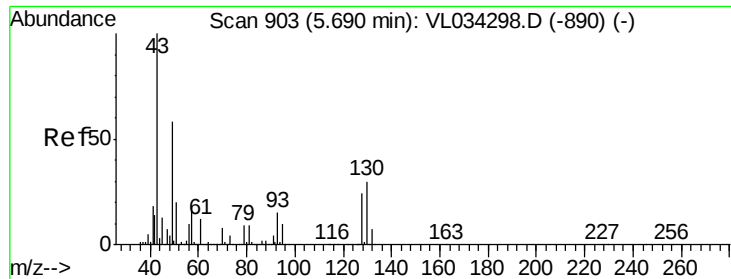
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

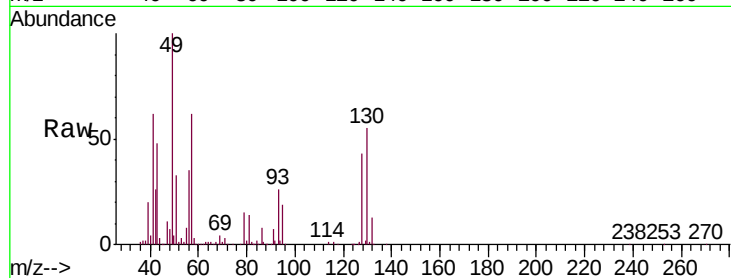
Tgt Ion: 49 Resp: 892681

Ion Ratio Lower Upper

49 100

128 43.7 20.6 61.8

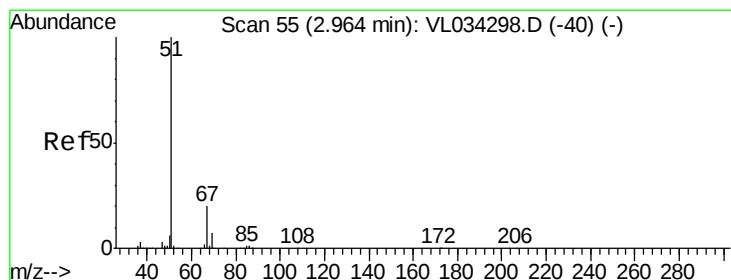
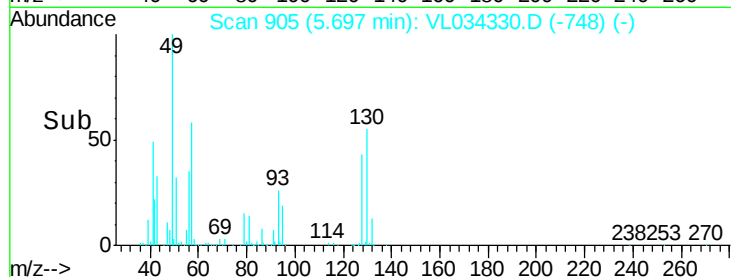
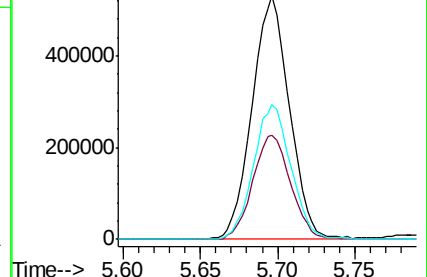
130 55.7 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.182 ppbv

RT: 2.90 min Scan# 34

Delta R.T. -0.07 min

Lab File: VL034330.D

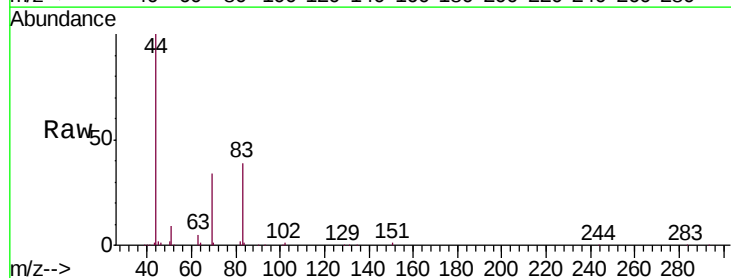
Acq: 18 Oct 2019 00:01

Tgt Ion: 51 Resp: 19043

Ion Ratio Lower Upper

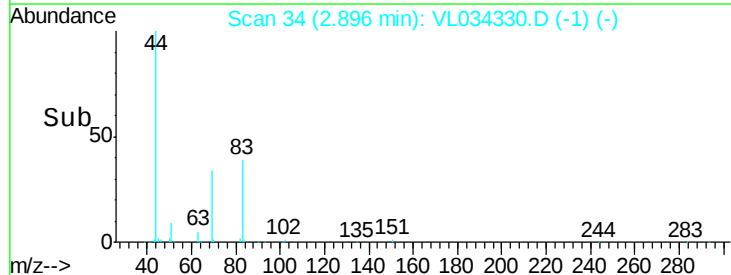
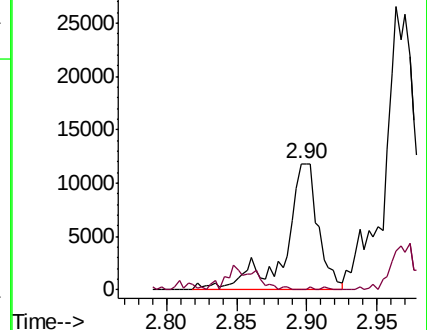
51 100

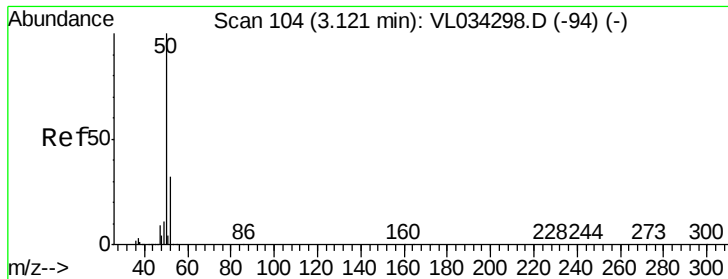
67 16.1 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.505 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampled :

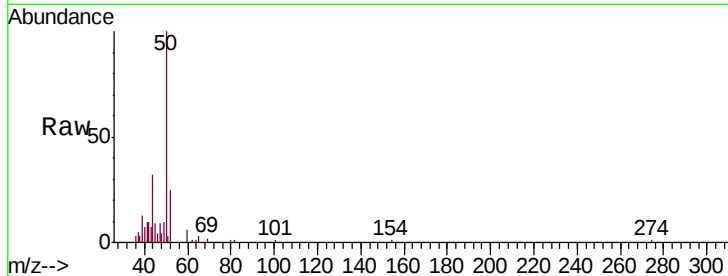
SV3

Tgt Ion: 50 Resp: 31228

Ion Ratio Lower Upper

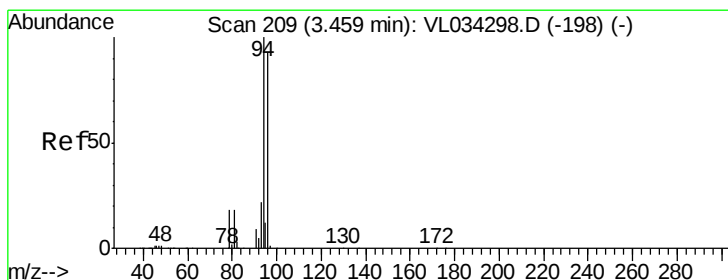
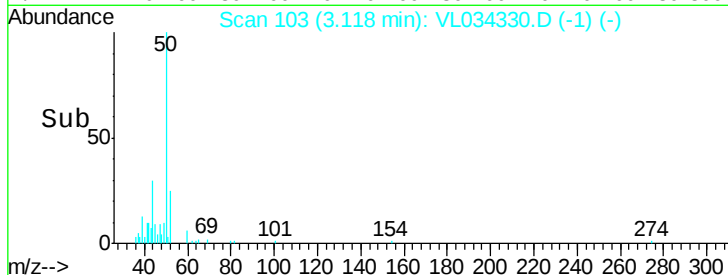
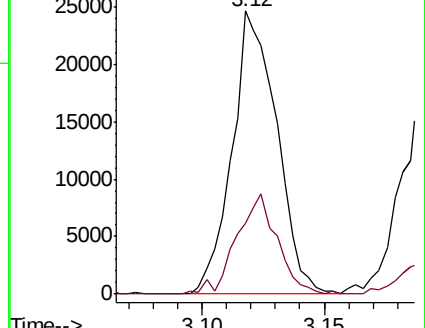
50 100

52 25.0 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#6

Bromomethane

Concen: 0.044 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL034330.D

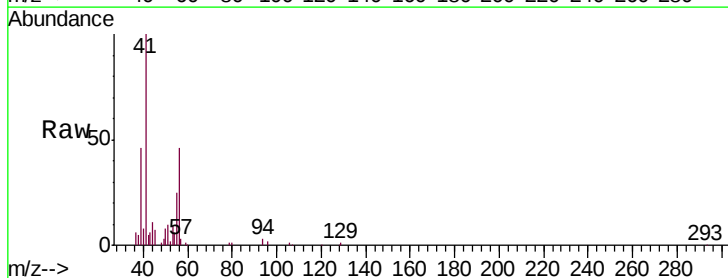
Acq: 18 Oct 2019 00:01

Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

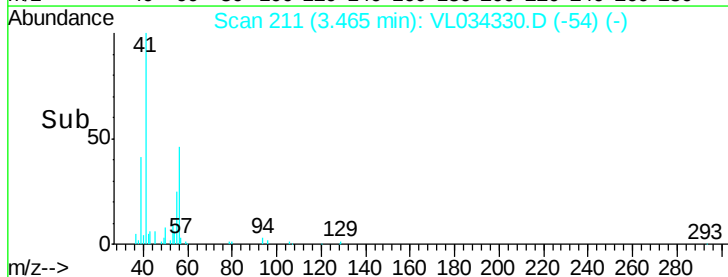
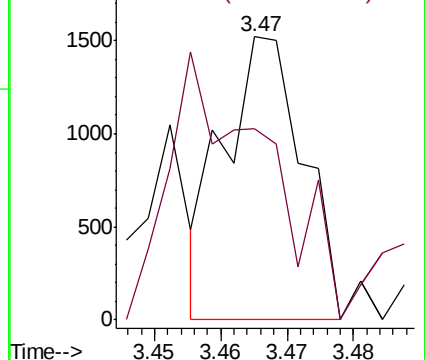
94 100

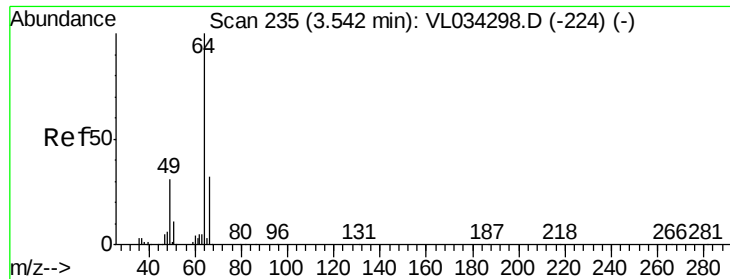
96 67.4 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.049 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

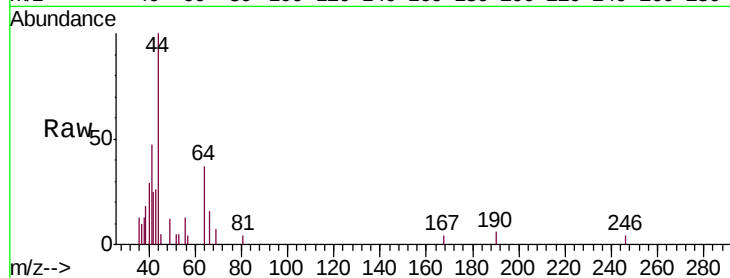
SV3

Tgt Ion: 64 Resp: 1028

Ion Ratio Lower Upper

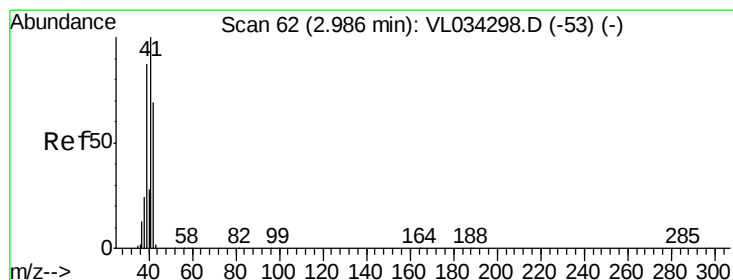
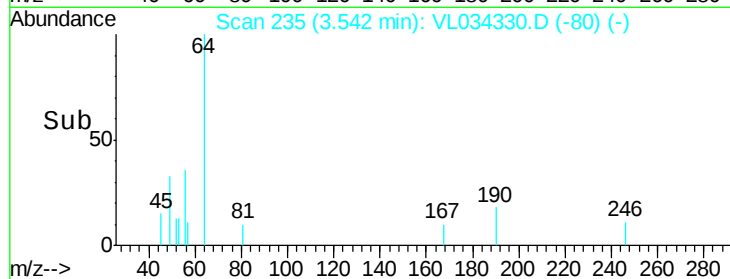
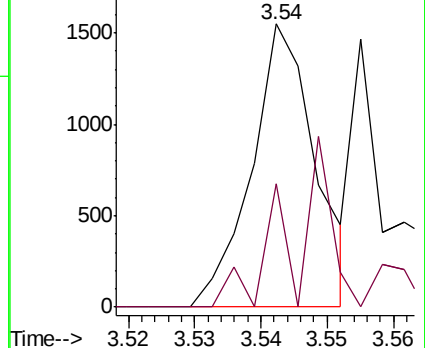
64 100

66 43.4 25.4 38.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 56.648 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034330.D

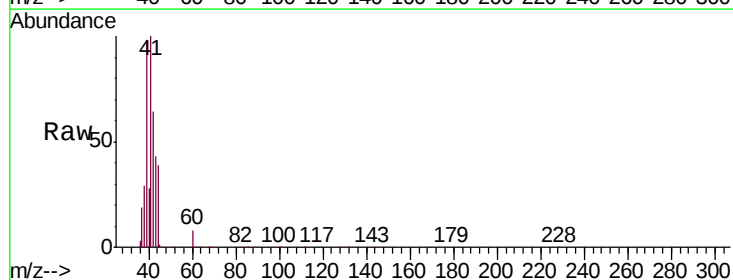
Acq: 18 Oct 2019 00:01

Tgt Ion: 41 Resp: 2627444

Ion Ratio Lower Upper

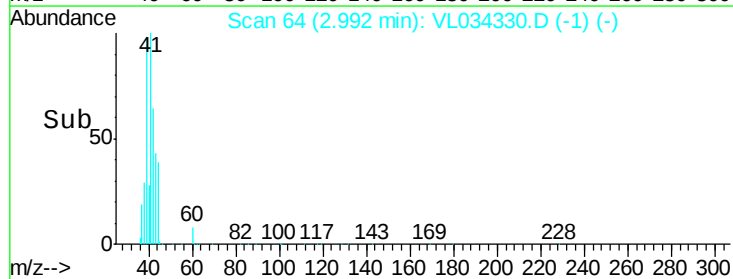
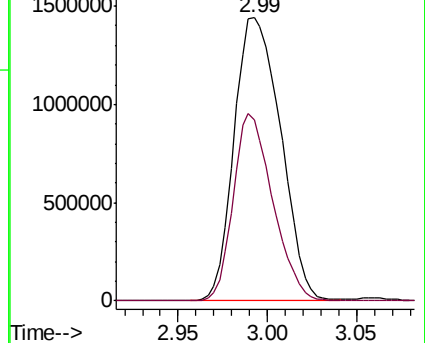
41 100

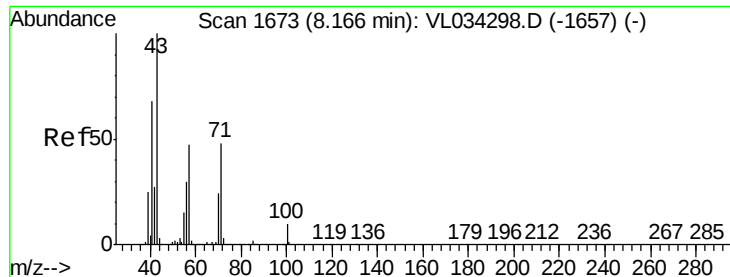
42 56.2 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 6.100 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

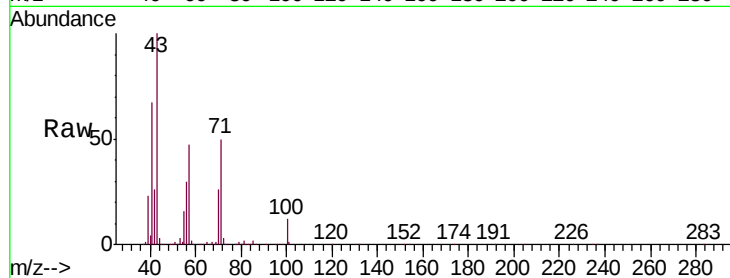
SV3

Tgt Ion: 43 Resp: 726228

Ion Ratio Lower Upper

43 100

57 50.4 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.17

400000

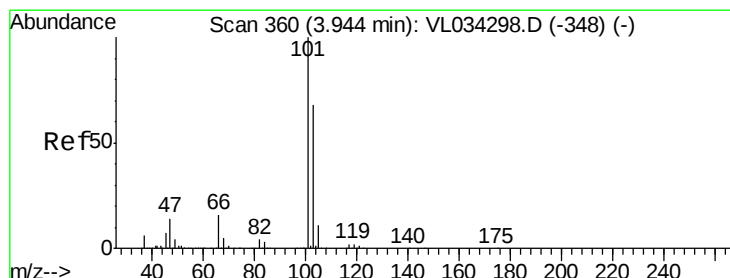
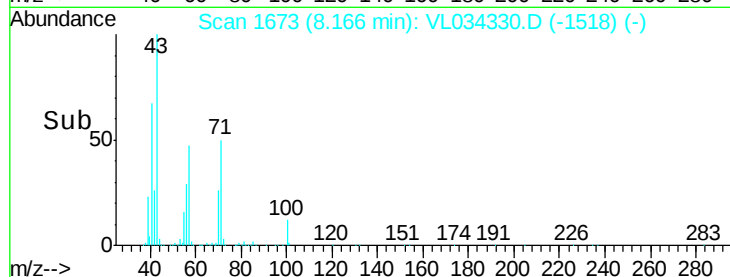
300000

200000

100000

0

Time-->



#11

Trichlorofluoromethane

Concen: 0.106 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL034330.D

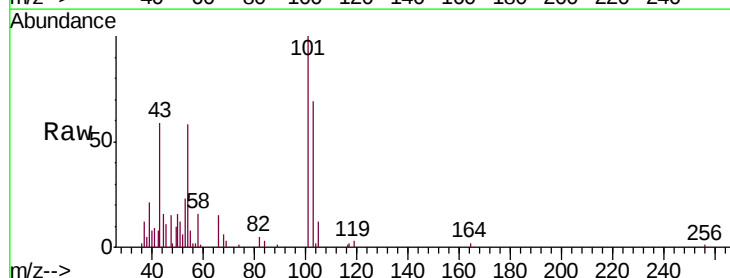
Acq: 18 Oct 2019 00:01

Tgt Ion: 101 Resp: 15436

Ion Ratio Lower Upper

101 100

103 68.1 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

25000

20000

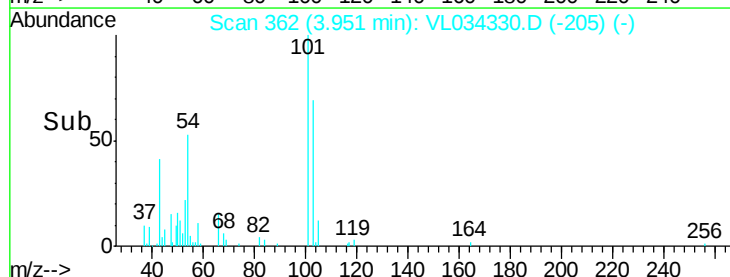
15000

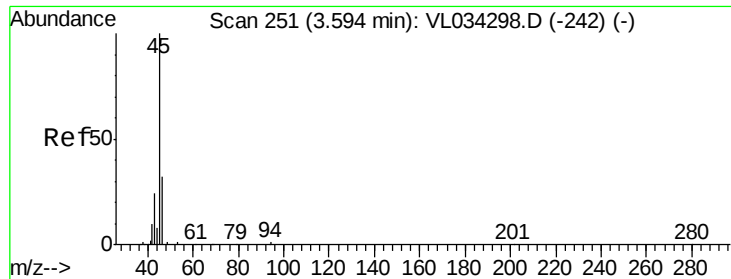
10000

5000

0

Time-->

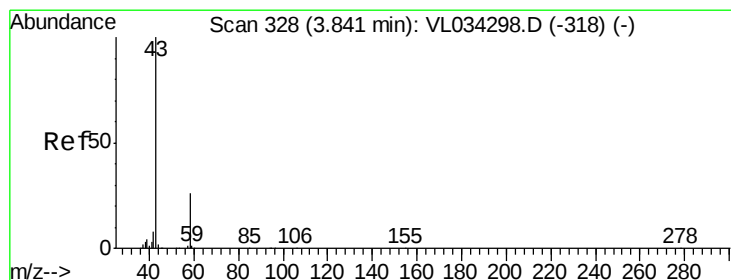
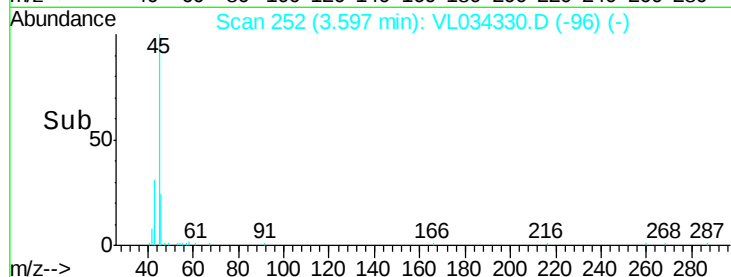
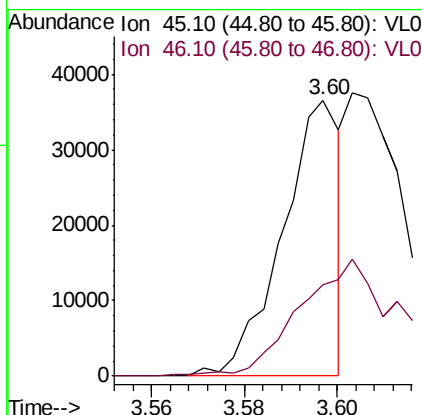
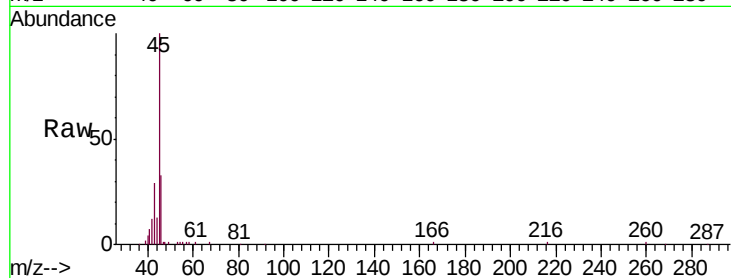




#13
Ethanol
Concen: 3.054 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.00 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

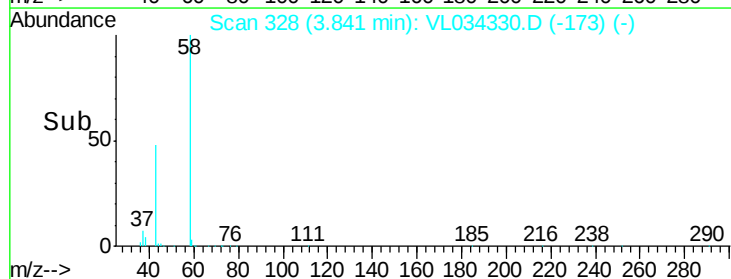
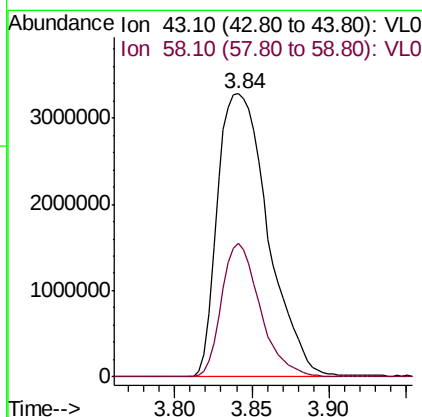
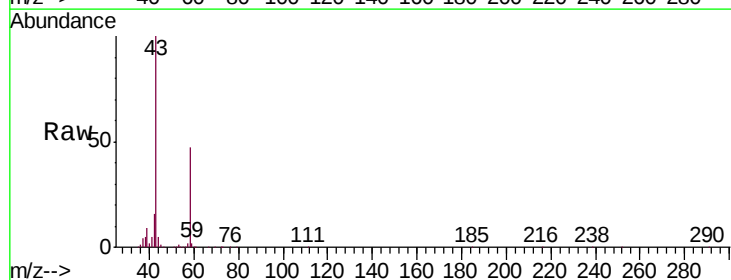
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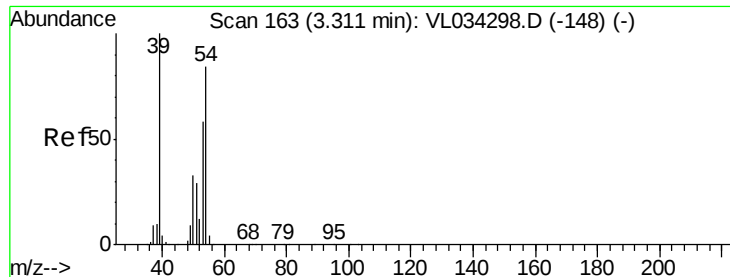
Tgt Ion: 45 Resp: 31710
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.2#



#15
Acetone
Concen: 58.259 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.00 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

Tgt Ion: 43 Resp: 7438778
Ion Ratio Lower Upper
43 100
58 36.3 20.4 30.6#

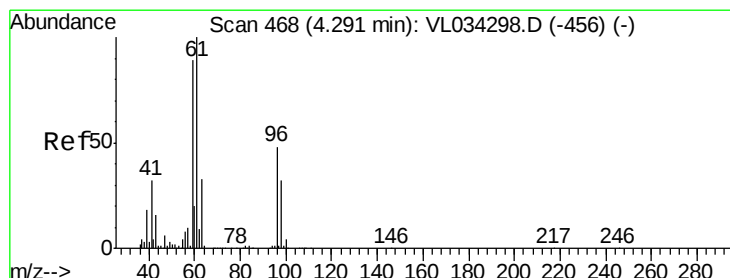
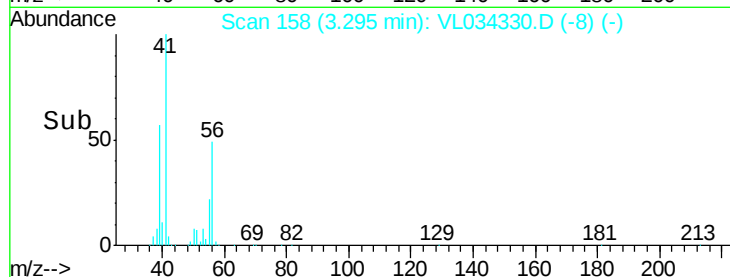
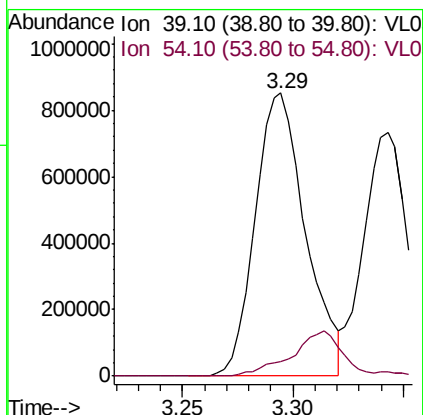
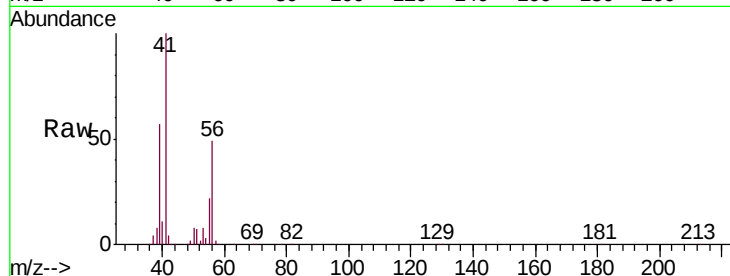




#16
 1,3-Butadiene
 Concen: 25.863 ppbv
 RT: 3.29 min Scan# 158
 Delta R.T. -0.02 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

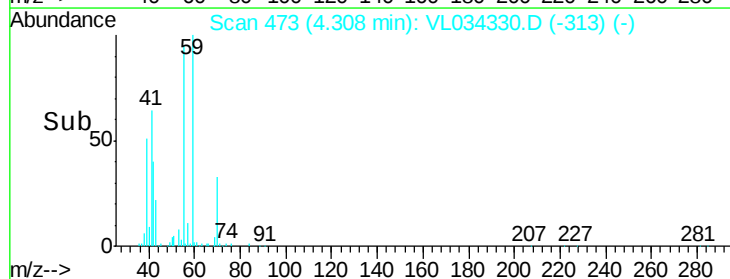
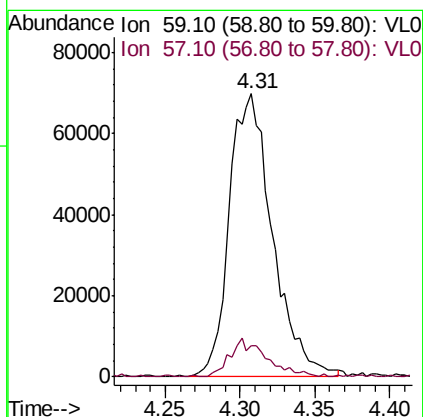
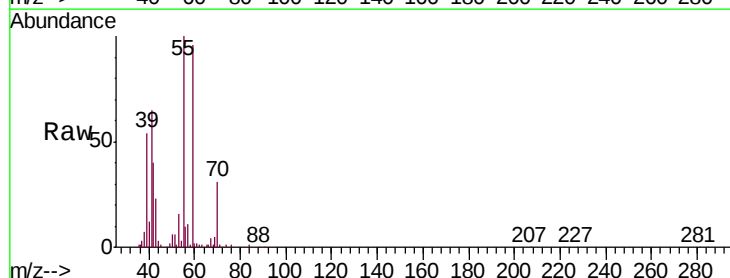
Instrument :
 MSVOA_L
 ClientSampleID :
 SV3

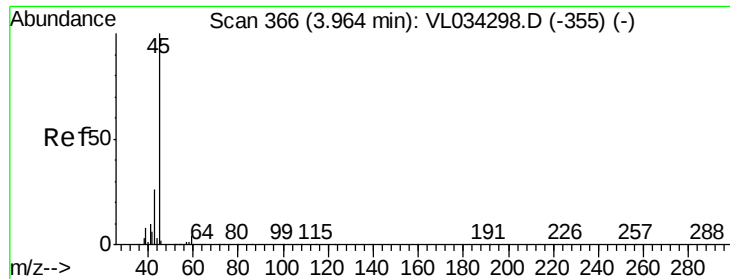
Tgt Ion: 39 Resp: 1341763
 Ion Ratio Lower Upper
 39 100
 54 17.0 63.9 95.9#



#17
 tert-Butyl alcohol
 Concen: 1.719 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. 0.02 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Tgt Ion: 59 Resp: 140120
 Ion Ratio Lower Upper
 59 100
 57 287.4 8.8 13.2#

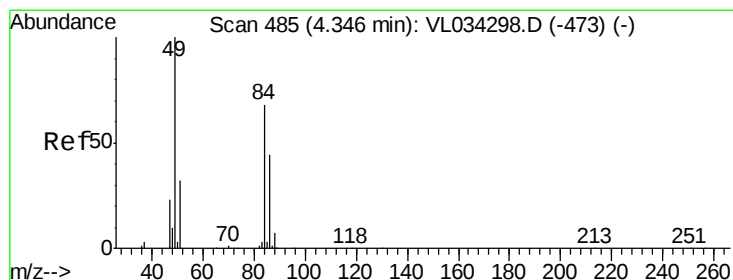
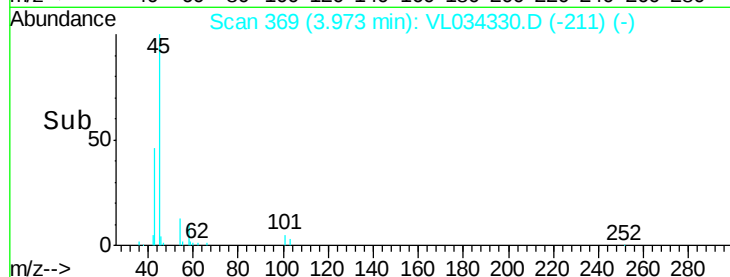
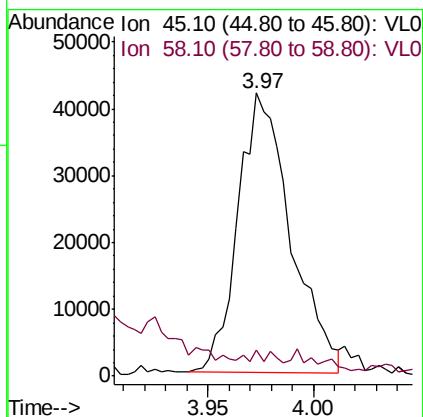
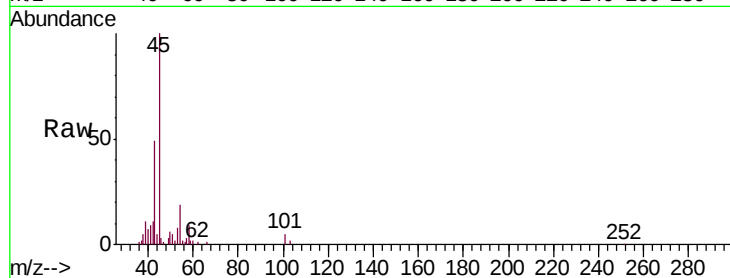




#19
Isopropyl Alcohol
Concen: 1.016 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

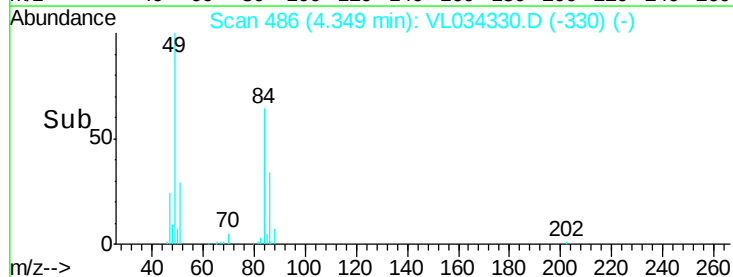
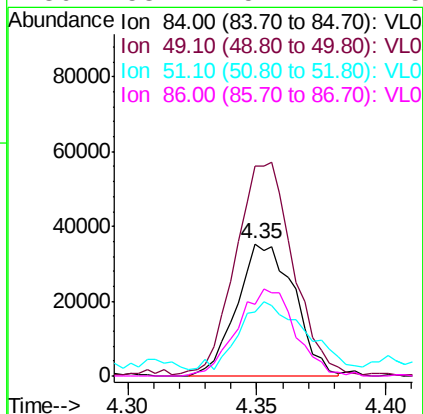
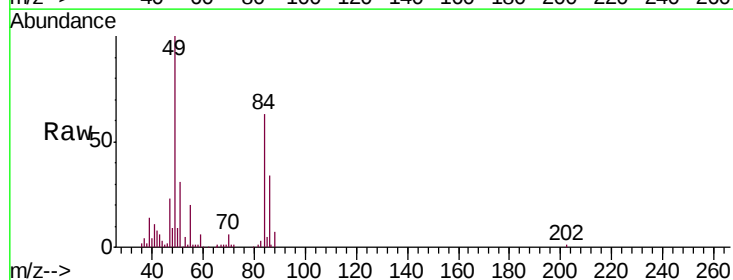
Instrument :
MSVOA_L
ClientSampleId :
SV3

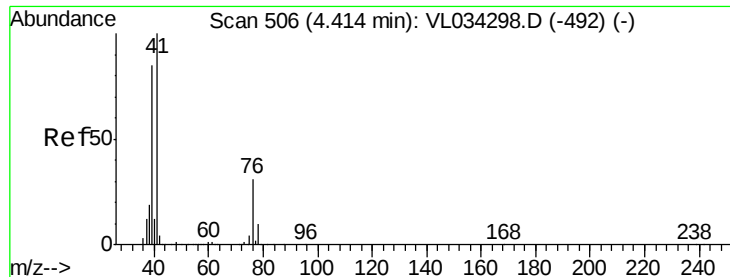
Tgt Ion: 45 Resp: 72396
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#



#20
Methylene Chloride
Concen: 1.191 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

Tgt Ion: 84 Resp: 54967
Ion Ratio Lower Upper
84 100
49 155.6 118.5 177.7
51 44.0 38.8 58.2
86 53.4 51.7 77.5

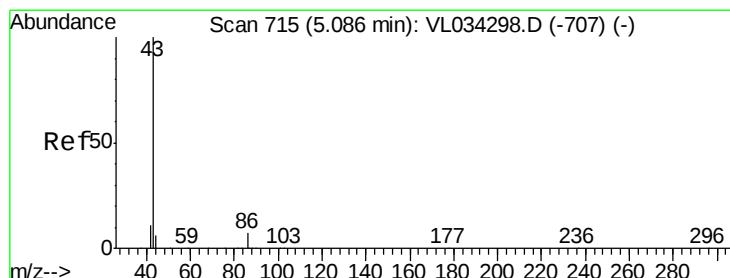
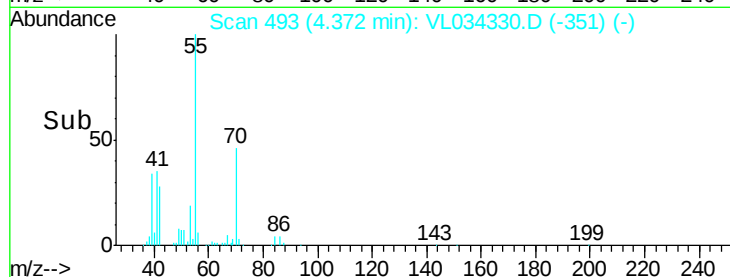
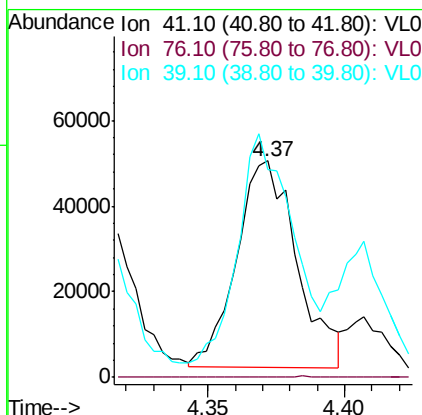
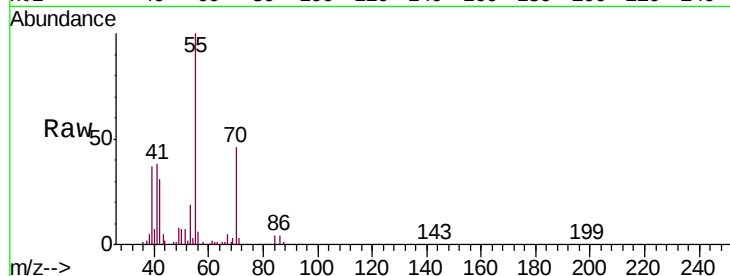




#21
 Allyl Chloride
 Concen: 1.056 ppbv
 RT: 4.37 min Scan# 493
 Delta R.T. -0.04 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

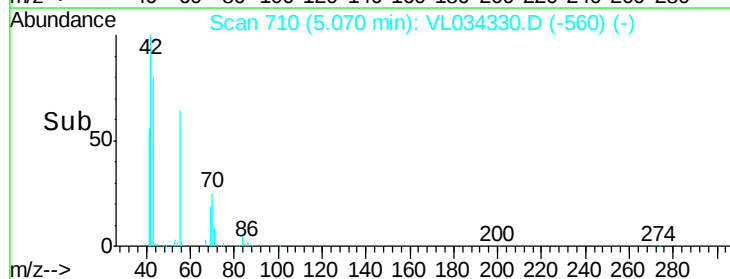
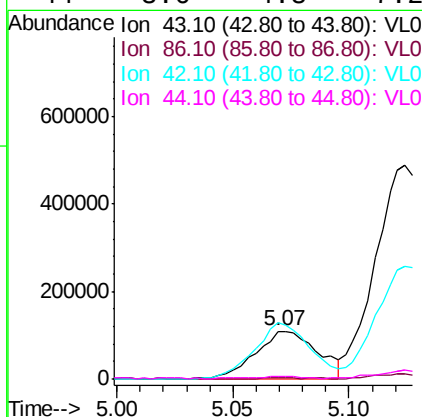
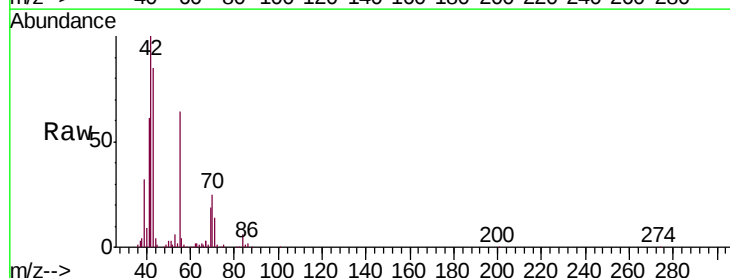
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

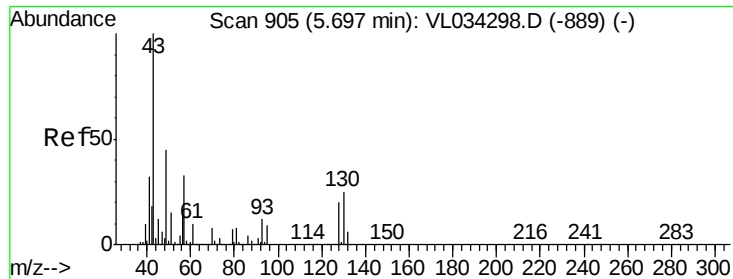
Tgt Ion: 41 Resp: 74530
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.8 34.2#
 39 158.7 66.0 99.0#



#23
 Vinyl Acetate
 Concen: 1.256 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.02 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Tgt Ion: 43 Resp: 200262
 Ion Ratio Lower Upper
 43 100
 86 2.6 5.0 7.4#
 42 118.3 8.6 13.0#
 44 3.6 4.8 7.2#

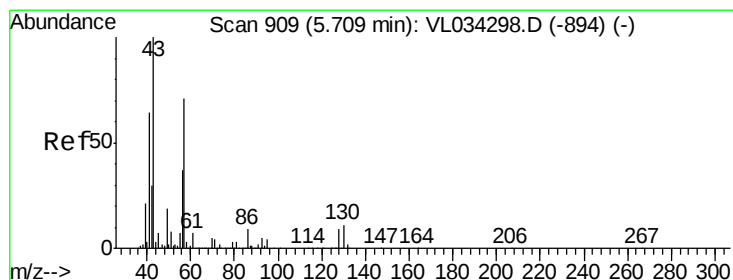
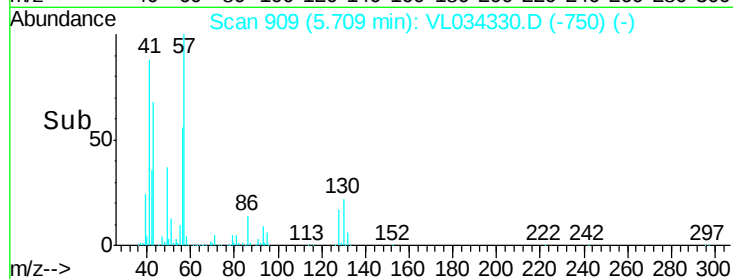
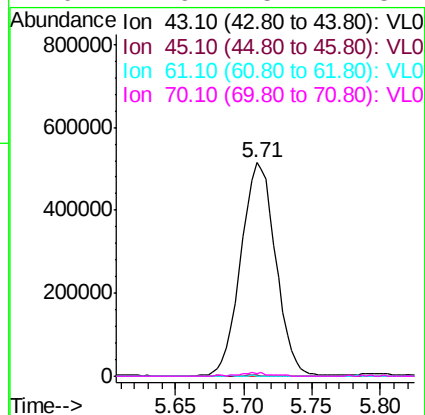
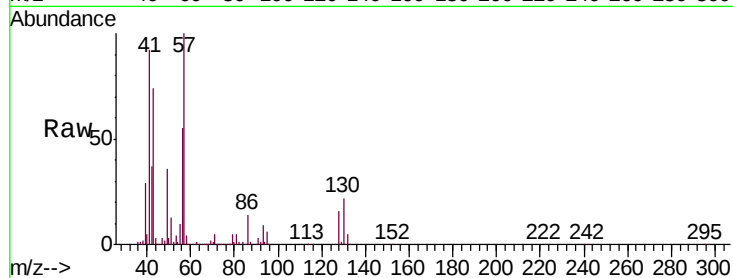




#25
Ethyl Acetate
Concen: 4.249 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

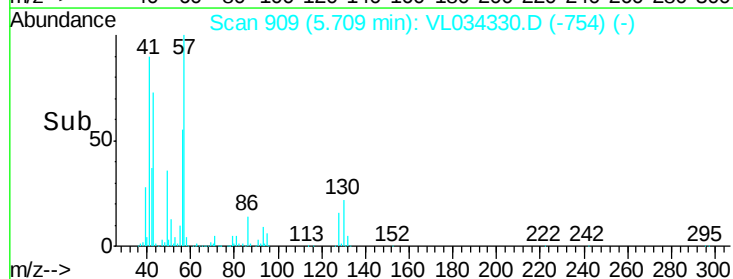
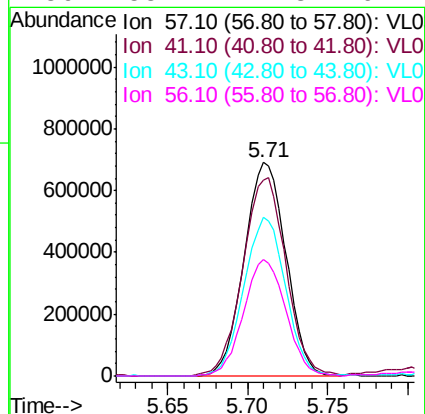
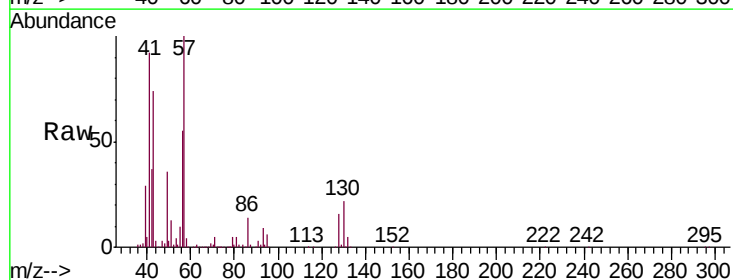
Instrument :
MSVOA_L
ClientSampleId :
SV3

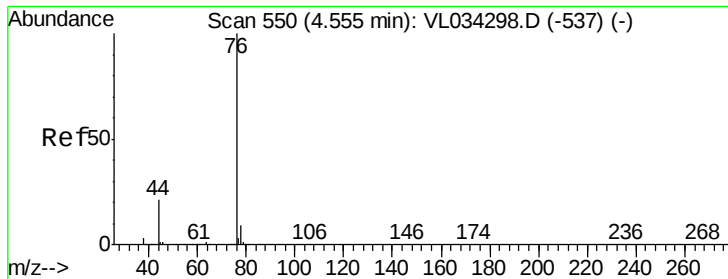
Tgt Ion:	43	Resp:	915944
Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.3	12.5#
61	0.4	7.7	11.5#
70	1.6	5.4	8.2#



#26
Hexane
Concen: 13.441 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

Tgt Ion:	57	Resp:	1234973
Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.5	114.7
43	73.7	188.5	282.7#
56	55.2	42.8	64.2





#27

Carbon Disulfide

Concen: 2.460 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

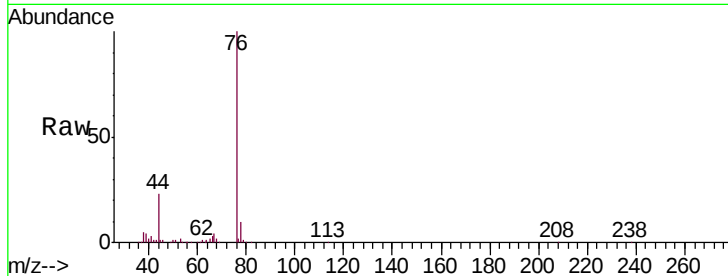
Tgt Ion: 76 Resp: 234685

Ion Ratio Lower Upper

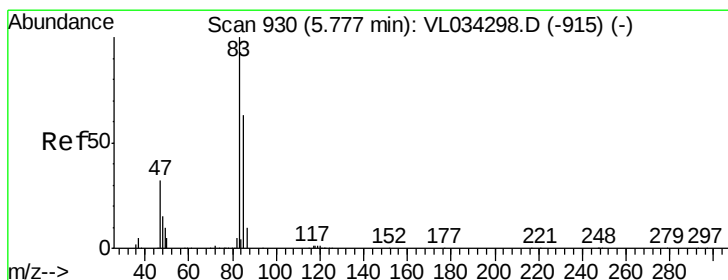
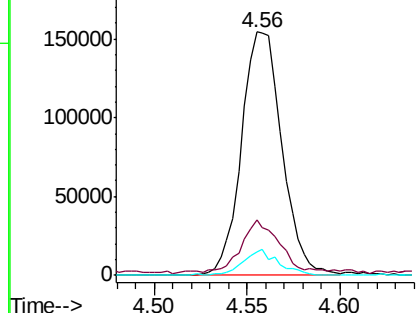
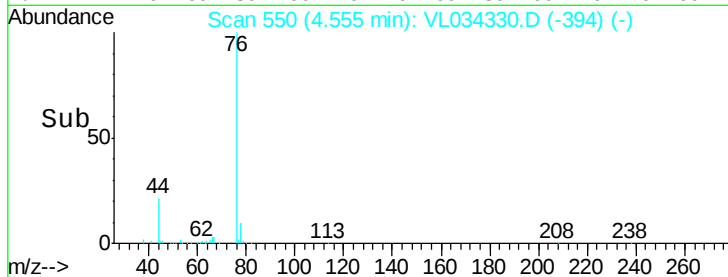
76 100

44 21.5 17.3 25.9

78 9.3 7.8 11.6



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: 0.898 ppbv

RT: 5.78 min Scan# 932

Delta R.T. 0.01 min

Lab File: VL034330.D

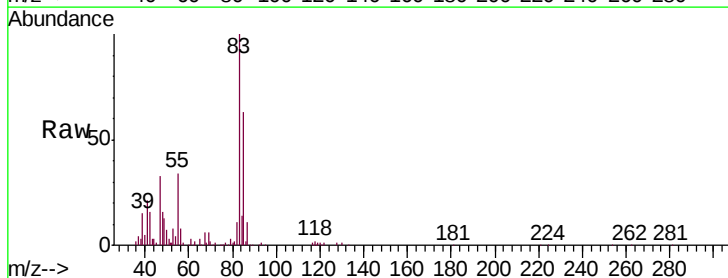
Acq: 18 Oct 2019 00:01

Tgt Ion: 83 Resp: 130511

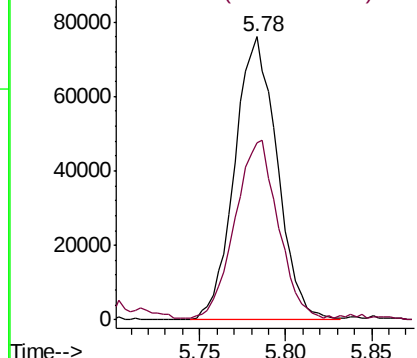
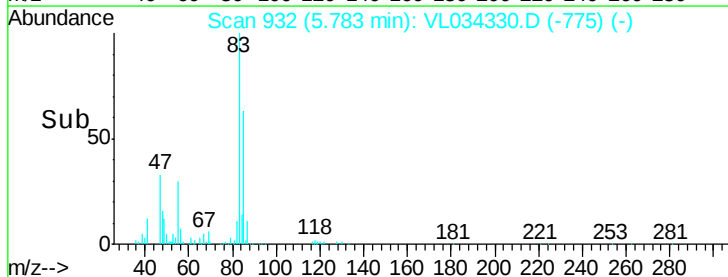
Ion Ratio Lower Upper

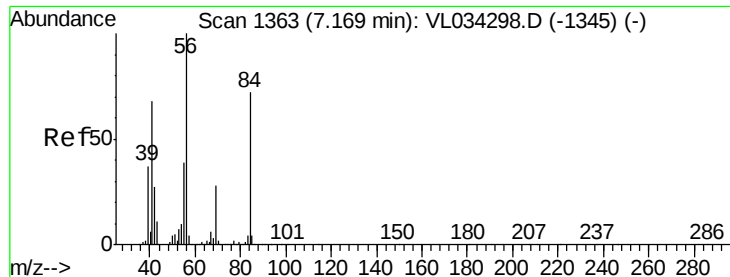
83 100

85 61.8 50.5 75.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

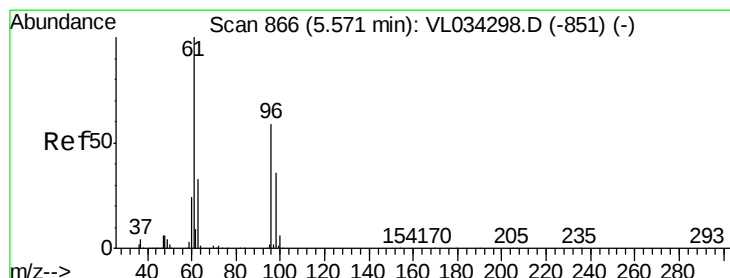
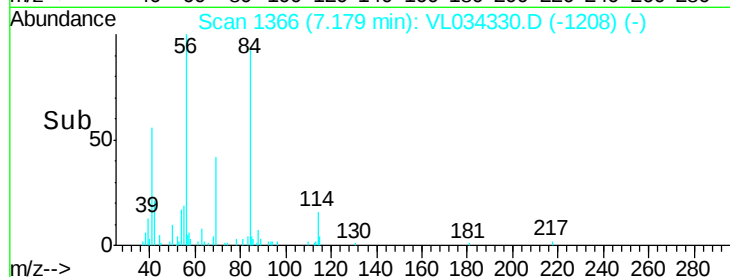
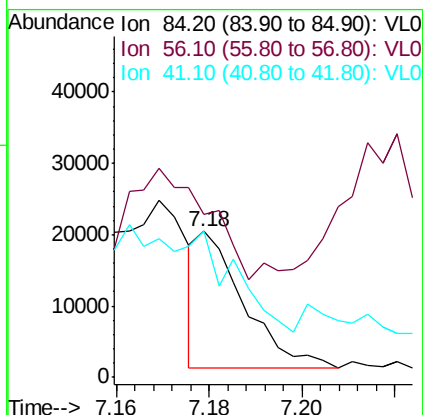
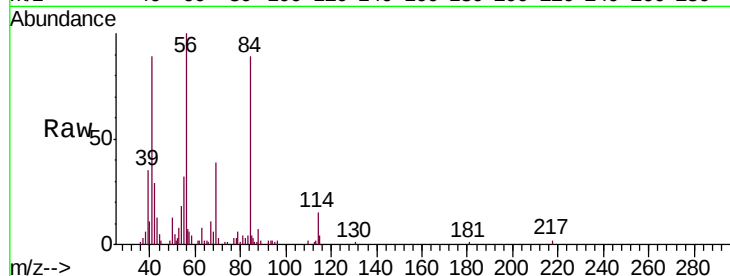




#30
Cyclohexane
Concen: 0.197 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

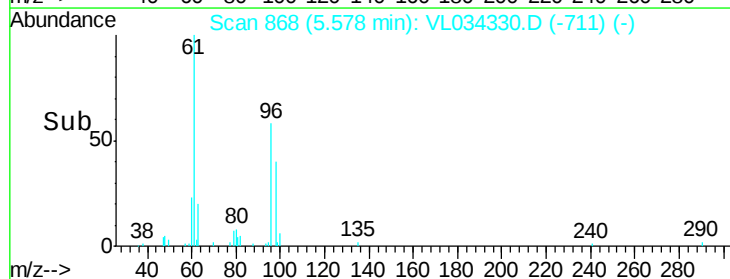
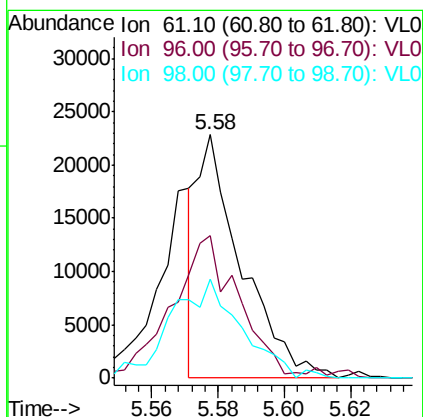
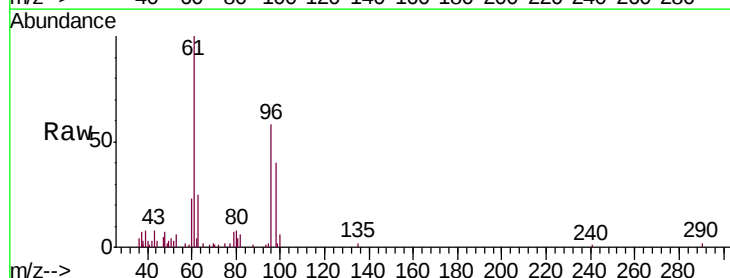
Instrument :
MSVOA_L
ClientSampleId :
SV3

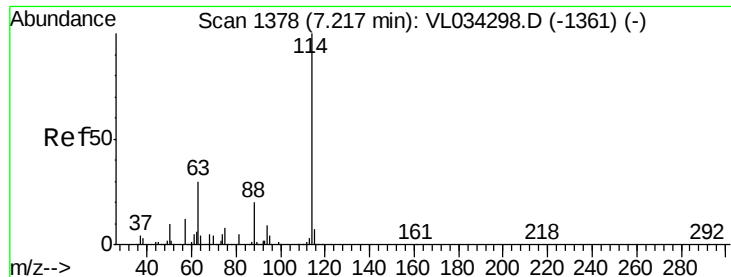
Tgt Ion: 84 Resp: 13291
Ion Ratio Lower Upper
84 100
56 0.0 119.4 179.0#
41 0.0 78.7 118.1#



#31
cis-1,2-Dichloroethene
Concen: 0.225 ppbv
RT: 5.58 min Scan# 868
Delta R.T. 0.01 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

Tgt Ion: 61 Resp: 21014
Ion Ratio Lower Upper
61 100
96 56.3 47.5 71.3
98 41.0 28.8 43.2

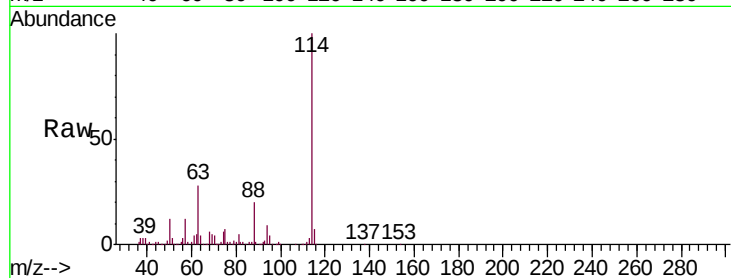




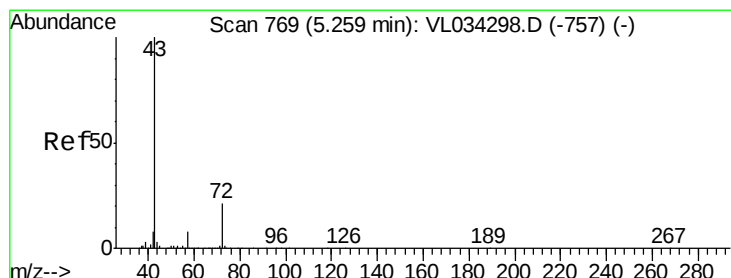
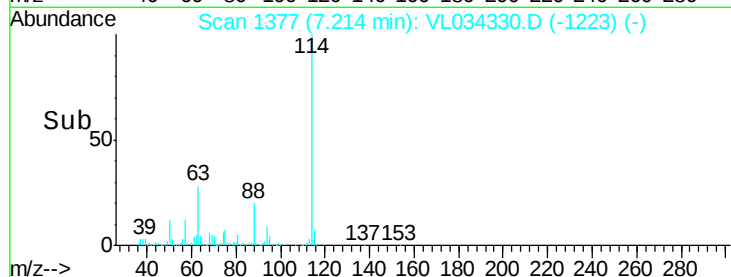
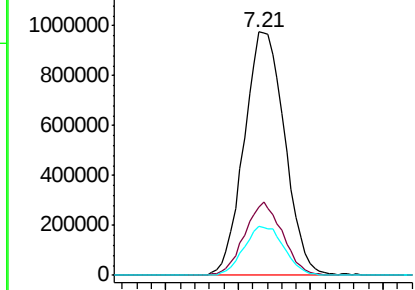
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Tgt Ion:114 Resp: 1897517
 Ion Ratio Lower Upper
 114 100
 63 28.2 25.2 37.8
 88 20.0 16.0 24.0

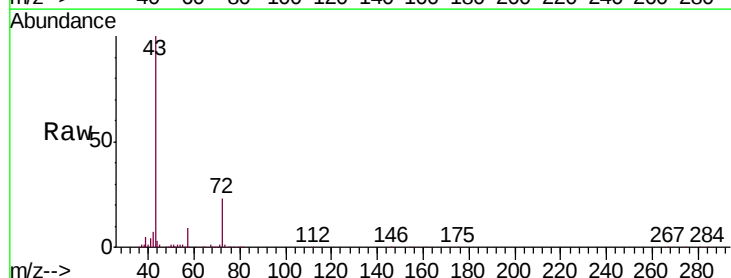


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

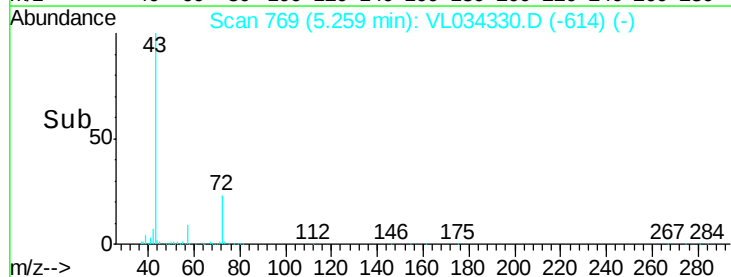
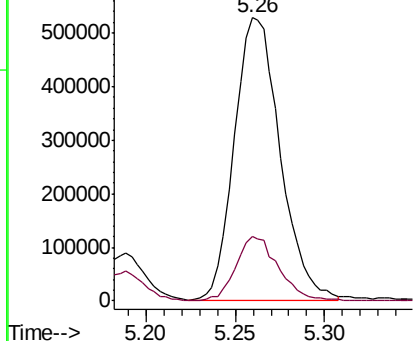


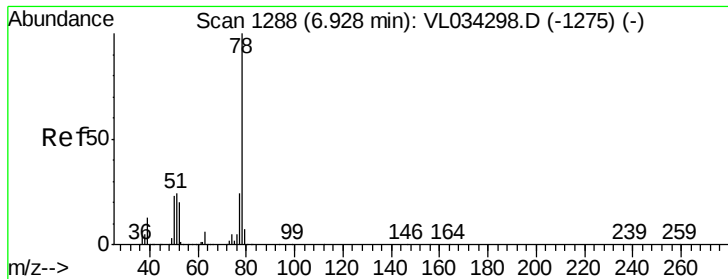
#34
 2-Butanone
 Concen: 6.063 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Tgt Ion: 43 Resp: 940332
 Ion Ratio Lower Upper
 43 100
 72 21.6 16.3 24.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 6.017 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

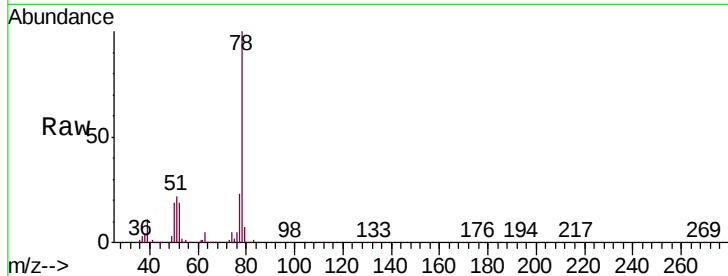
Tgt Ion: 78 Resp: 1095434

Ion Ratio Lower Upper

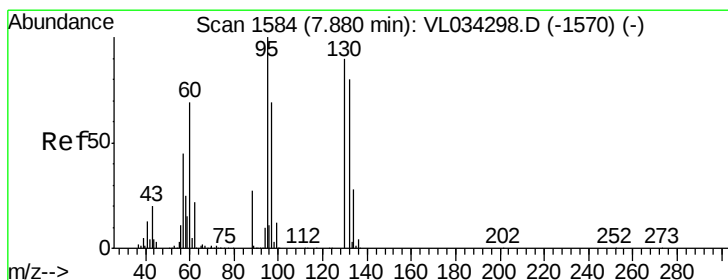
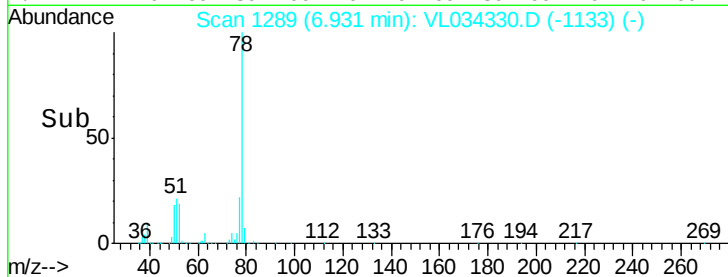
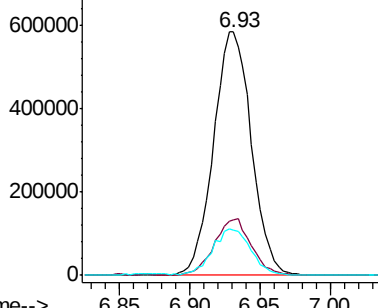
78 100

77 22.5 19.0 28.4

50 18.4 18.6 27.8#



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



#38

Trichloroethene

Concen: 2.460 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Tgt Ion: 130 Resp: 179728

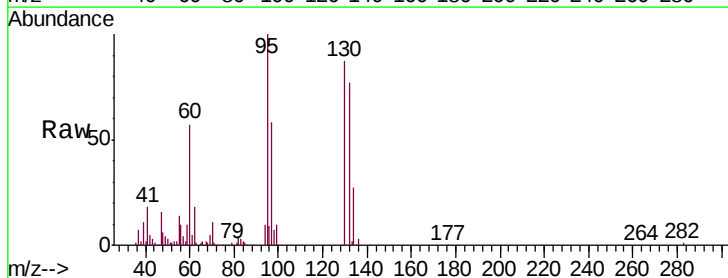
Ion Ratio Lower Upper

130 100

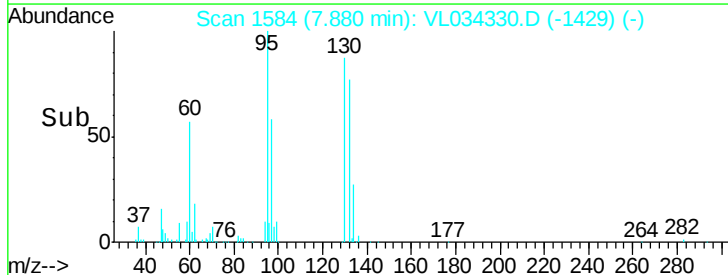
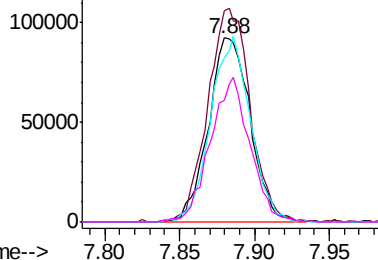
95 114.9 88.6 132.8

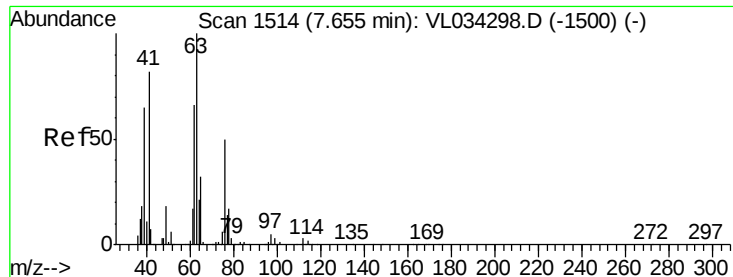
132 88.8 71.2 106.8

97 66.3 61.0 91.4



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 6.817 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. -0.44 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

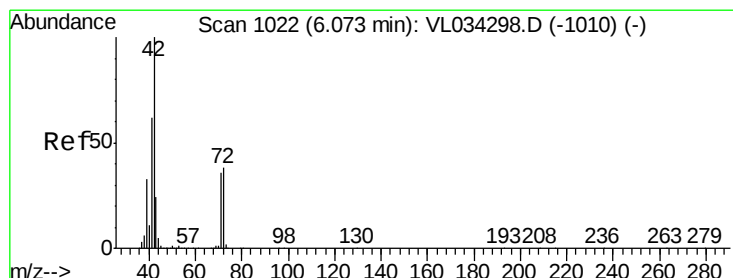
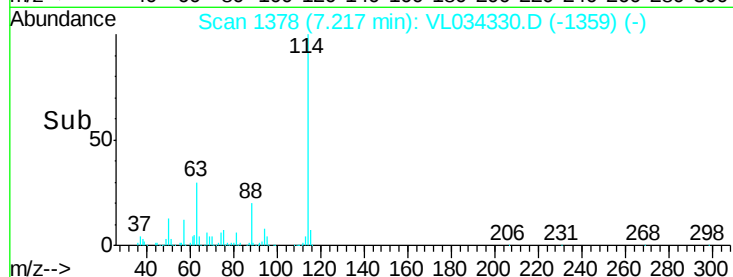
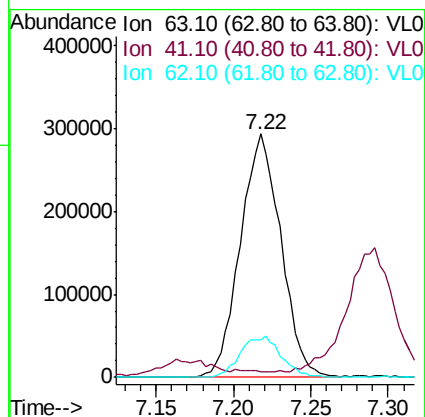
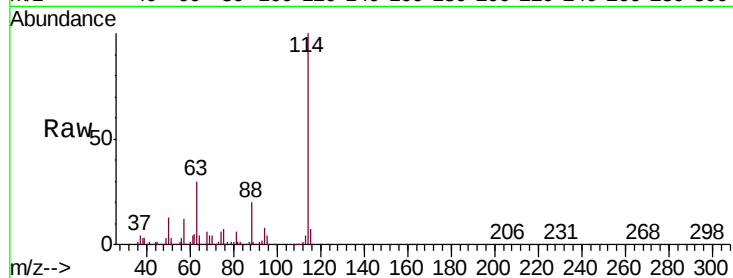
Tgt Ion: 63 Resp: 534454

Ion Ratio Lower Upper

63 100

41 0.0 65.6 98.4#

62 15.4 53.0 79.6#



#41

Tetrahydrofuran

Concen: 0.073 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

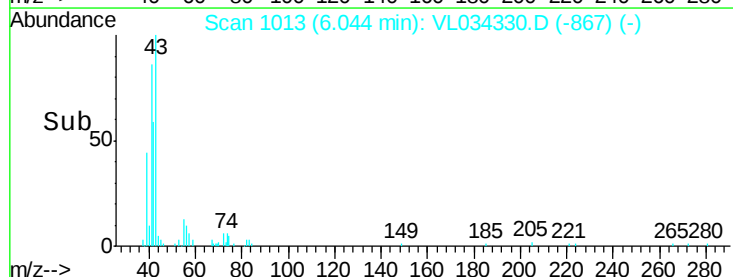
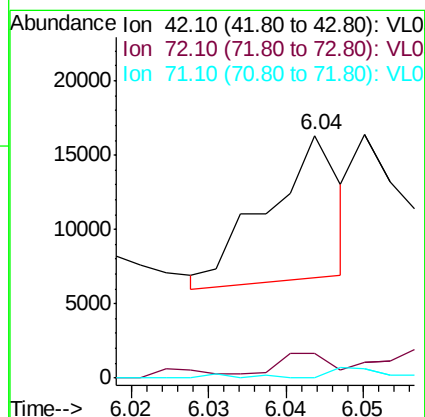
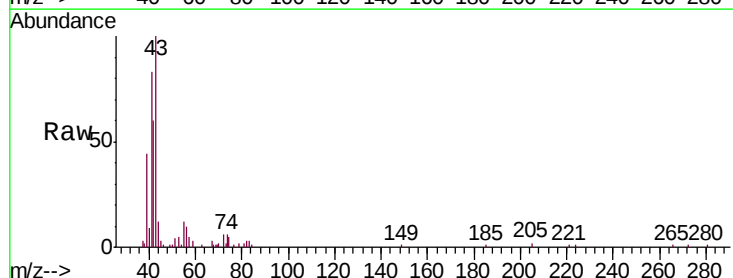
Tgt Ion: 42 Resp: 6308

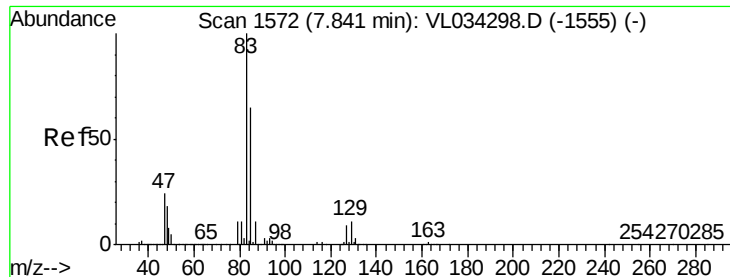
Ion Ratio Lower Upper

42 100

72 35.8 28.0 42.0

71 0.0 27.3 40.9#





#42

Bromodichloromethane

Concen: 0.045 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

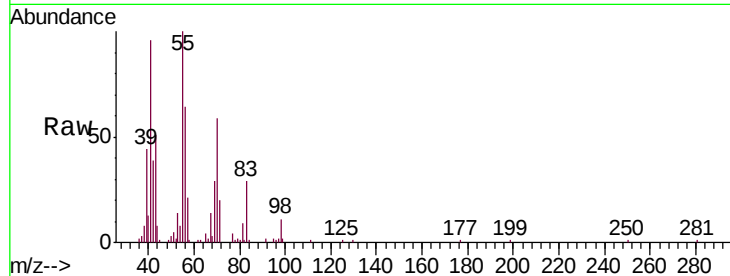
Tgt Ion: 83 Resp: 7461

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#

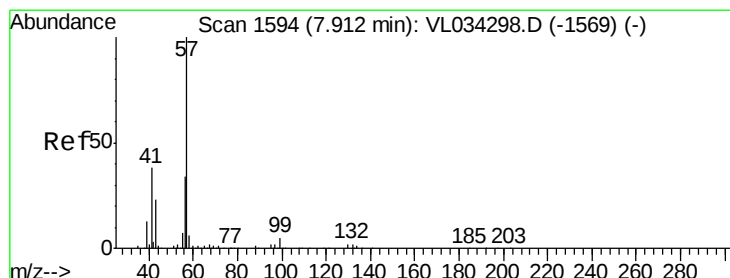
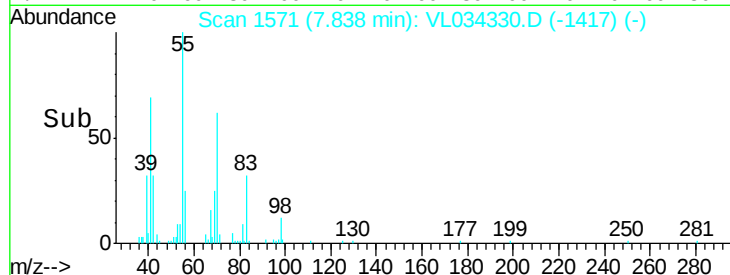
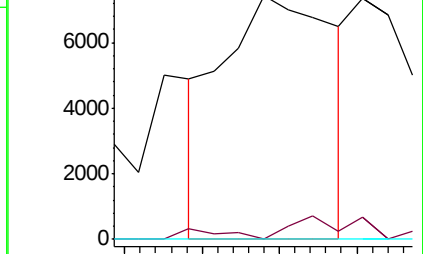
127 0.0 7.0 10.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.384 ppbv

RT: 7.91 min Scan# 1593

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

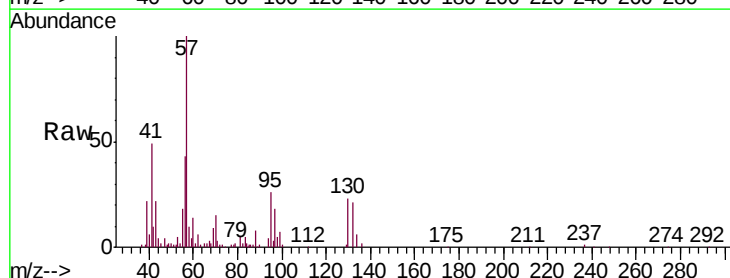
Tgt Ion: 57 Resp: 129298

Ion Ratio Lower Upper

57 100

41 67.4 29.3 43.9#

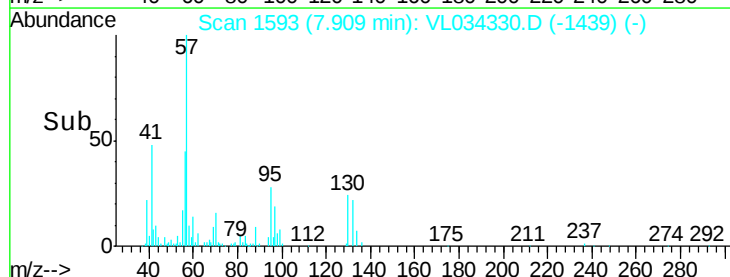
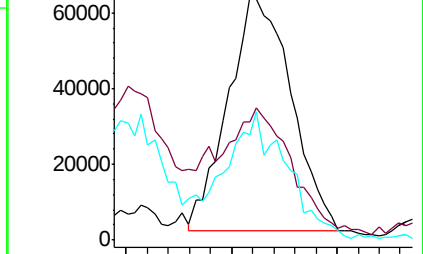
56 53.5 25.3 37.9#

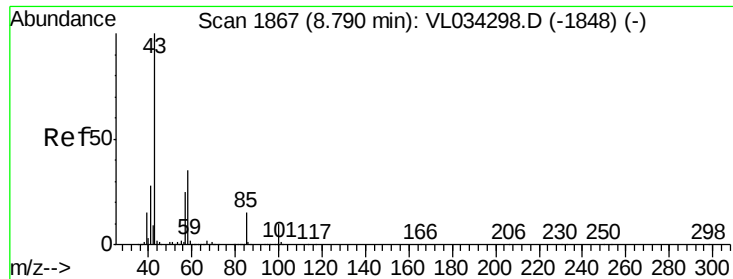


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

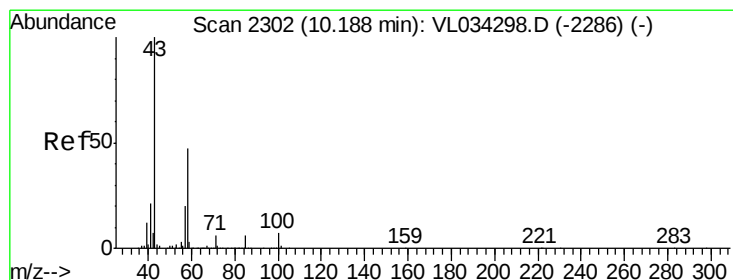
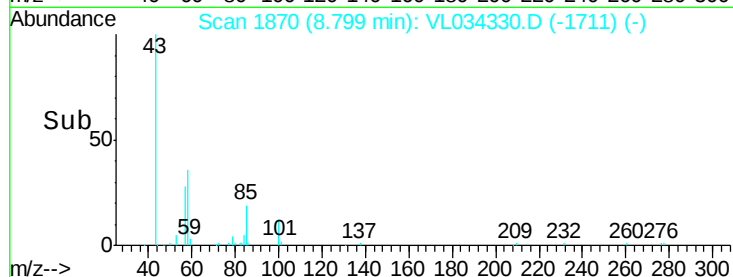
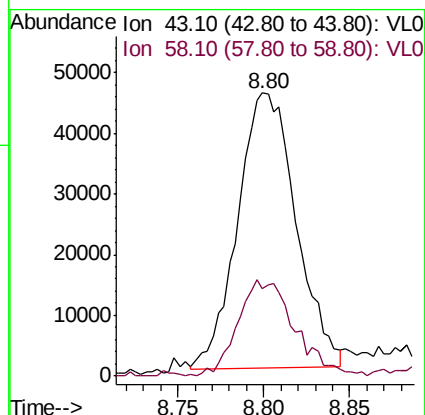
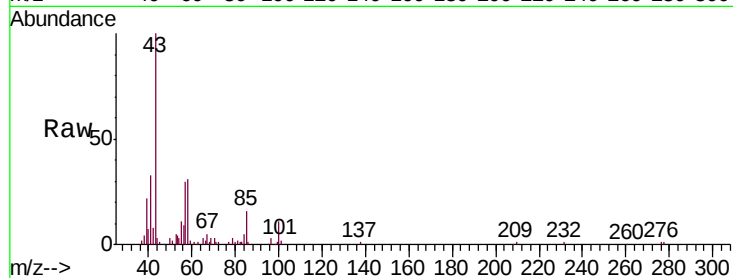




#50
 4-Methyl-2-Pentanone
 Concen: 0.484 ppbv
 RT: 8.80 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

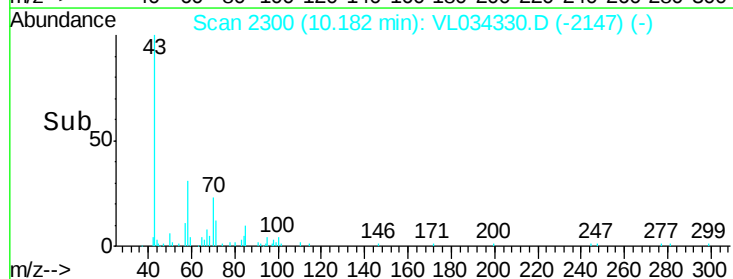
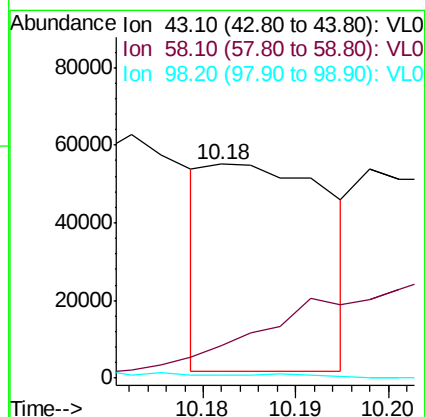
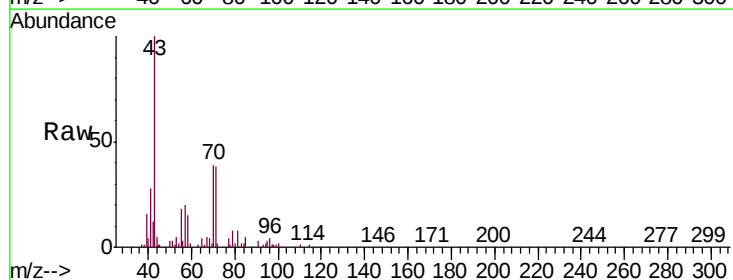
Instrument :
 MSVOA_L
 ClientSampled :
 SV3

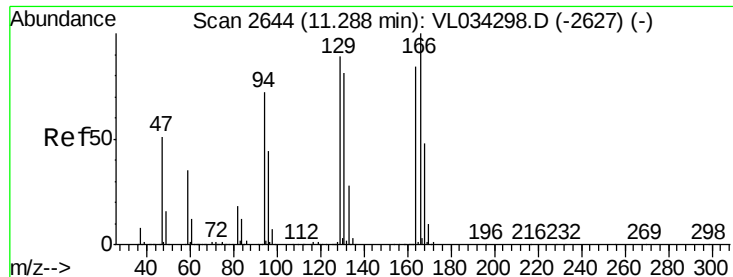
Tgt Ion: 43 Resp: 107417
 Ion Ratio Lower Upper
 43 100
 58 34.8 27.6 41.4



#51
 2-Hexanone
 Concen: 0.264 ppbv
 RT: 10.18 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Tgt Ion: 43 Resp: 48140
 Ion Ratio Lower Upper
 43 100
 58 0.0 37.0 55.6#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 187.228 ppbv

RT: 11.33 min Scan# 2657

Delta R.T. 0.04 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:164 Resp:13361254

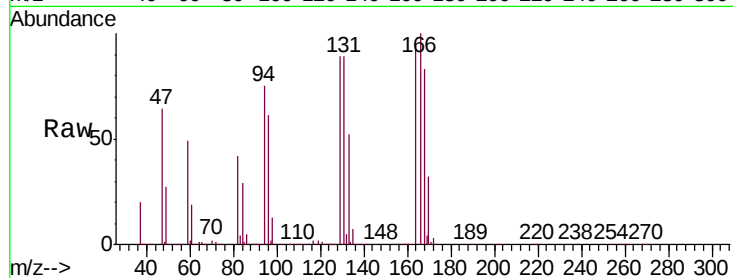
Ion Ratio Lower Upper

164 100

166 106.9 95.3 142.9

129 94.8 84.5 126.7

131 94.9 77.3 115.9

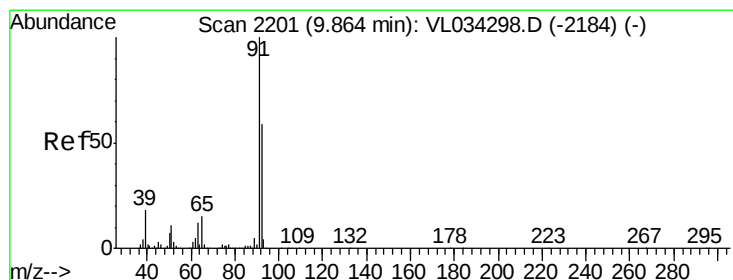
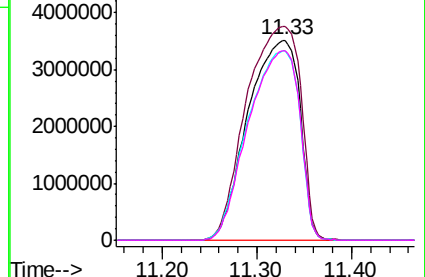
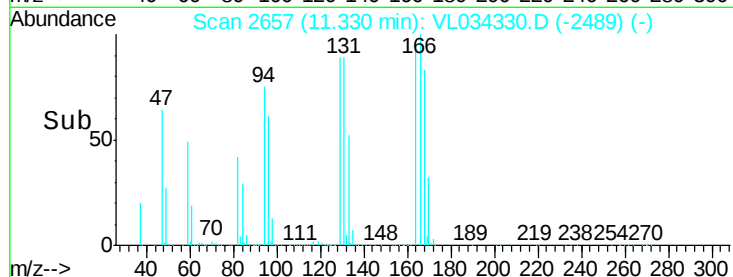


Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.432 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.00 min

Lab File: VL034330.D

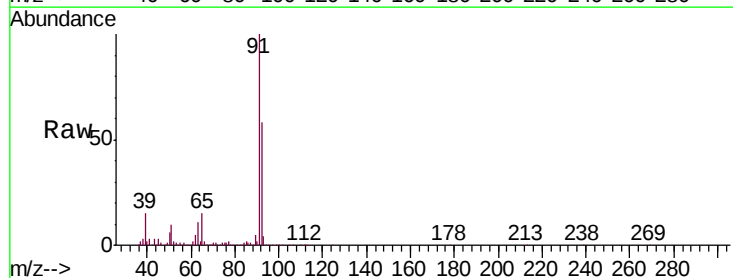
Acq: 18 Oct 2019 00:01

Tgt Ion: 91 Resp: 1895154

Ion Ratio Lower Upper

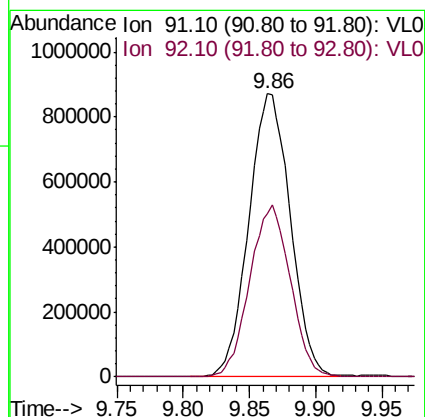
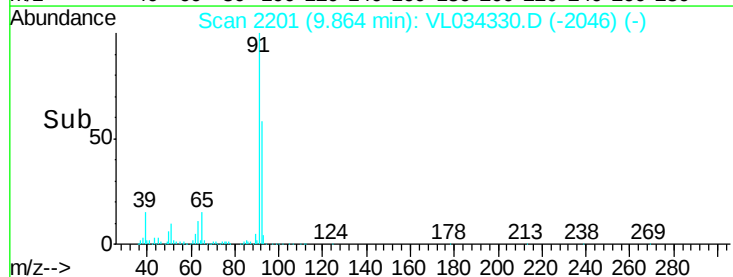
91 100

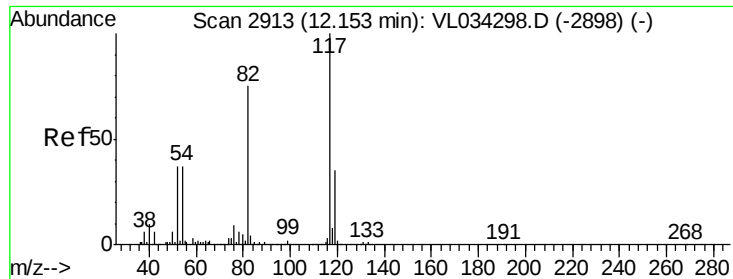
92 59.4 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

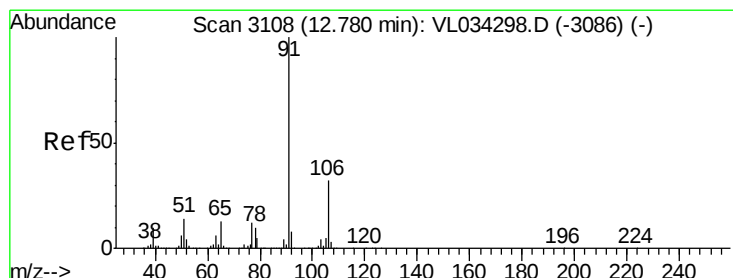
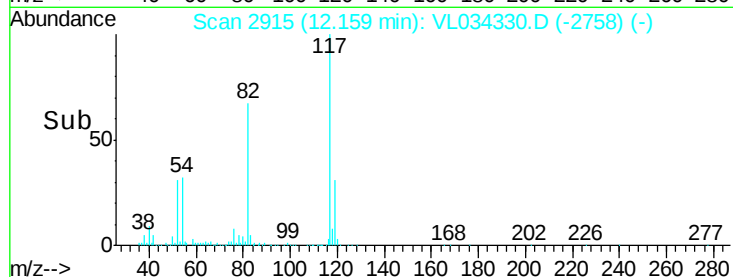
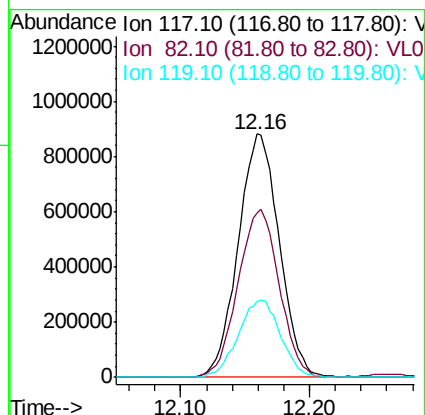
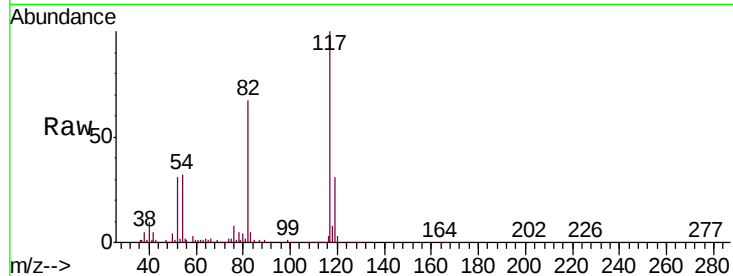




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

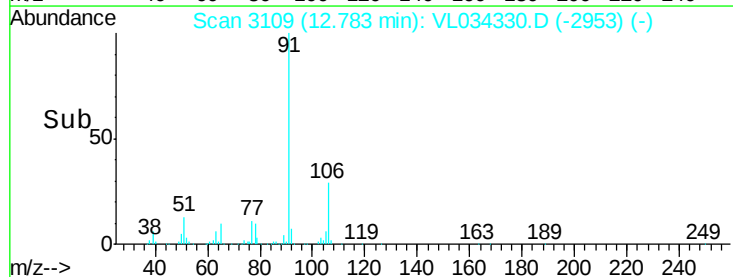
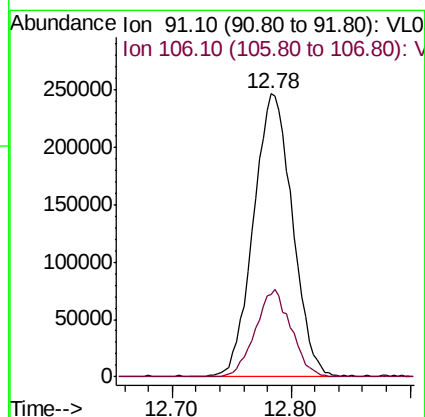
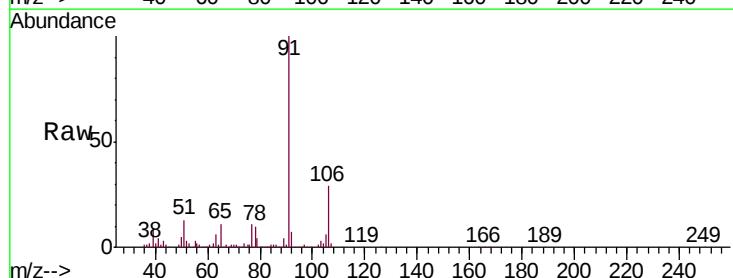
Instrument :
MSVOA_L
ClientSampled :
SV3

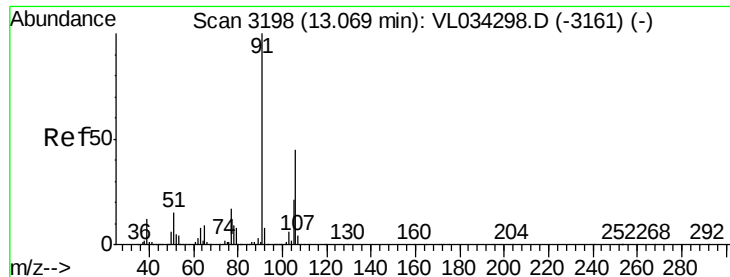
Tgt Ion: 117 Resp: 1958279
Ion Ratio Lower Upper
117 100
82 69.0 55.5 83.3
119 32.6 26.5 39.7



#58
Ethyl Benzene
Concen: 2.035 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. 0.00 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

Tgt Ion: 91 Resp: 557069
Ion Ratio Lower Upper
91 100
106 29.2 25.3 37.9

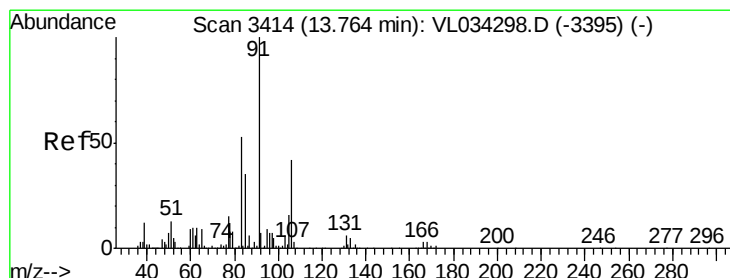
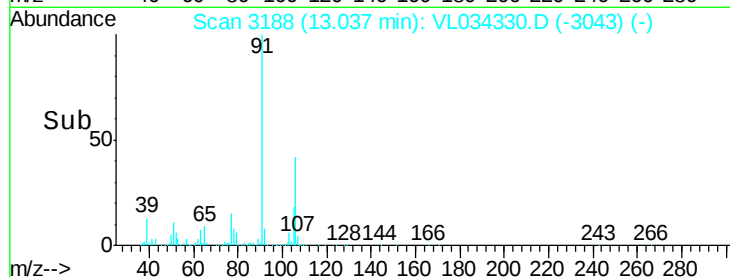
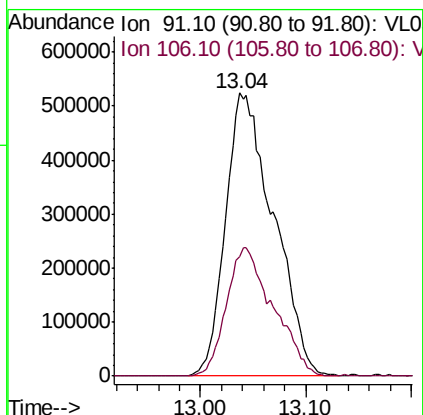
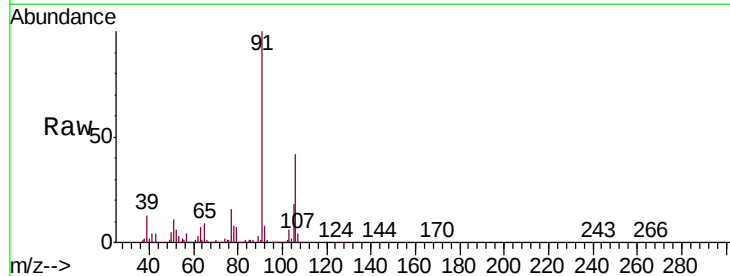




#59
m/p-Xylene
Concen: 6.940 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. -0.03 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

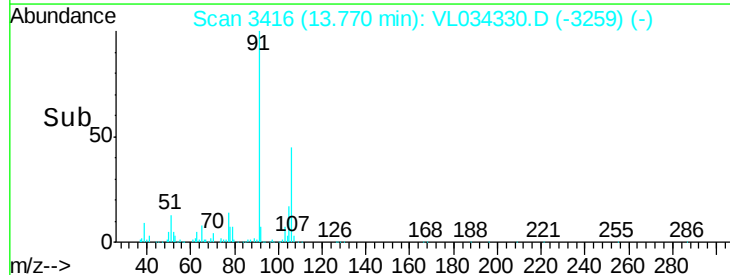
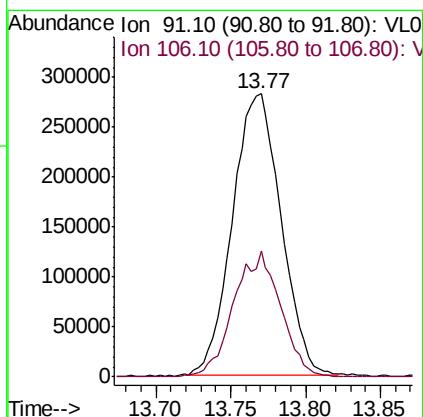
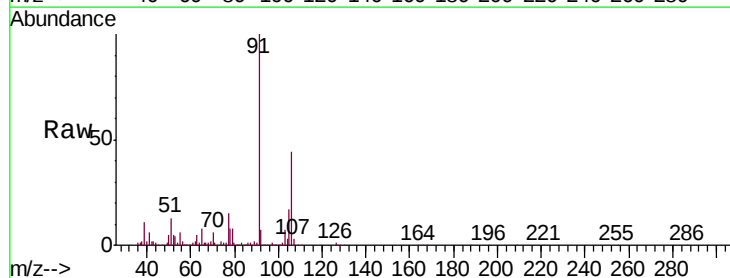
Instrument :
MSVOA_L
ClientSampled :
SV3

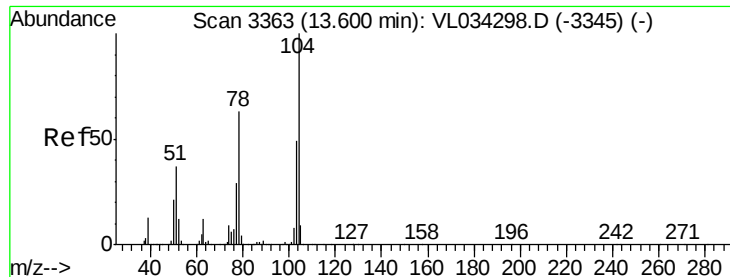
Tgt Ion: 91 Resp: 1646088
Ion Ratio Lower Upper
91 100
106 44.4 35.4 53.2



#60
o-Xylene
Concen: 2.697 ppbv
RT: 13.77 min Scan# 3416
Delta R.T. 0.01 min
Lab File: VL034330.D
Acq: 18 Oct 2019 00:01

Tgt Ion: 91 Resp: 636887
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.6





#61

Styrene

Concen: 0.427 ppbv

RT: 13.60 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

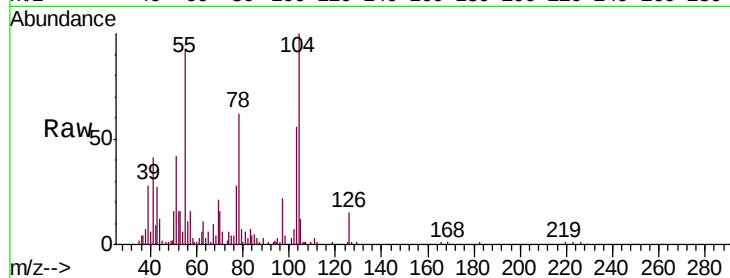
Tgt Ion:104 Resp: 70942

Ion Ratio Lower Upper

104 100

78 63.3 47.8 71.8

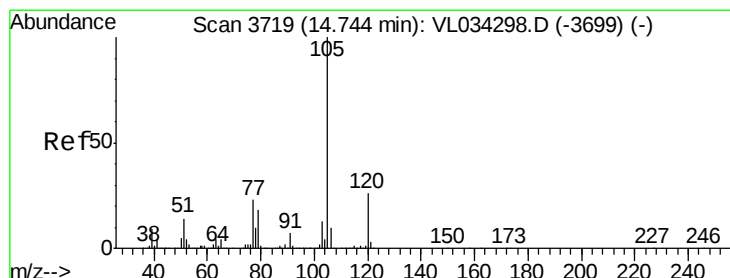
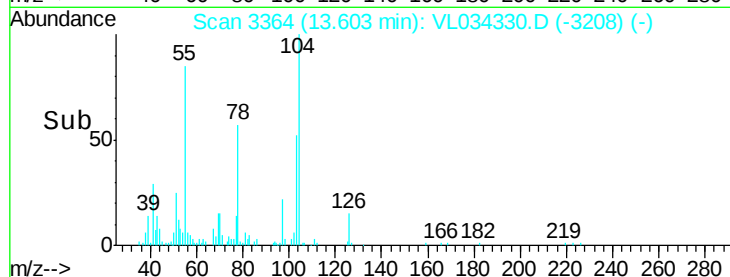
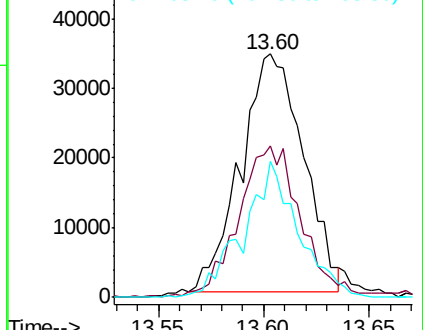
103 49.9 39.0 58.6



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: 0.079 ppbv

RT: 14.75 min Scan# 3721

Delta R.T. 0.01 min

Lab File: VL034330.D

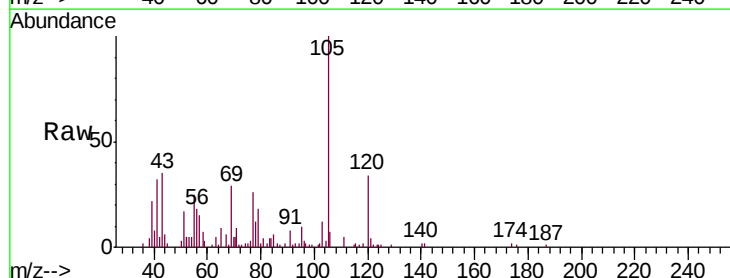
Acq: 18 Oct 2019 00:01

Tgt Ion:105 Resp: 24785

Ion Ratio Lower Upper

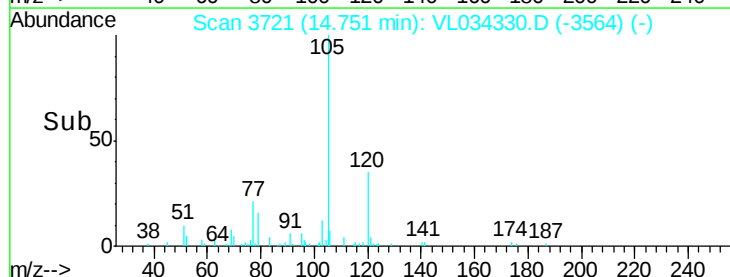
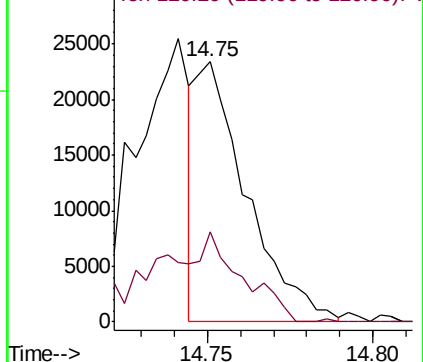
105 100

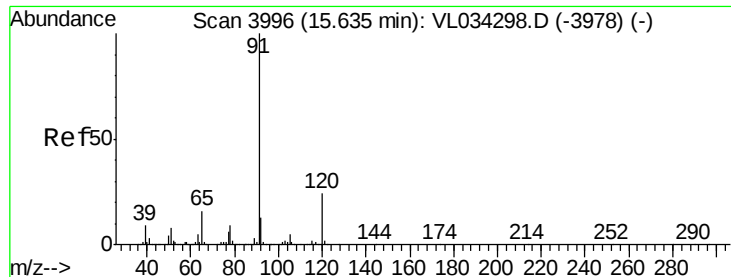
120 61.7 20.8 31.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.239 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. 0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

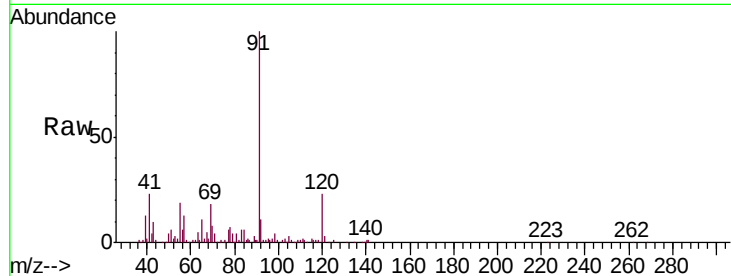
SV3

Tgt Ion:120 Resp: 19117

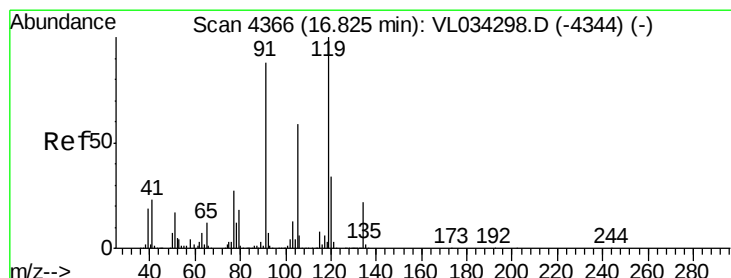
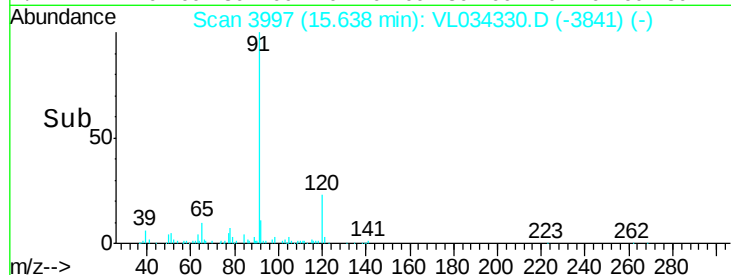
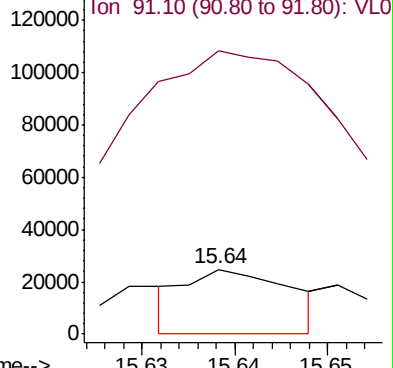
Ion Ratio Lower Upper

120 100

91 1334.0 374.9 562.3#



Abundance Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 0.223 ppbv

RT: 16.85 min Scan# 4373

Delta R.T. 0.02 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

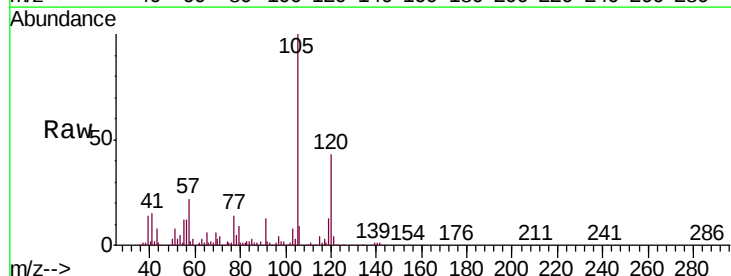
Tgt Ion:119 Resp: 61514

Ion Ratio Lower Upper

119 100

91 195.2 71.4 107.0#

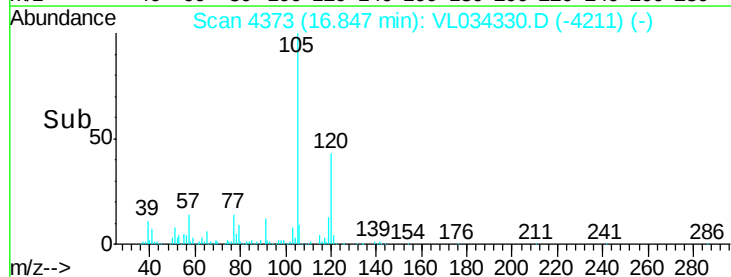
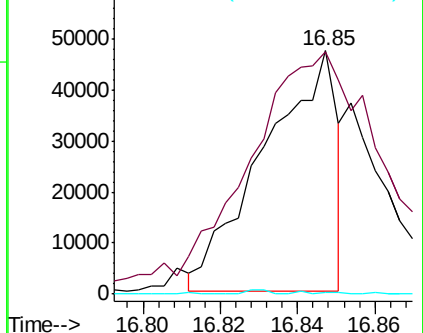
134 0.5 15.9 23.9#

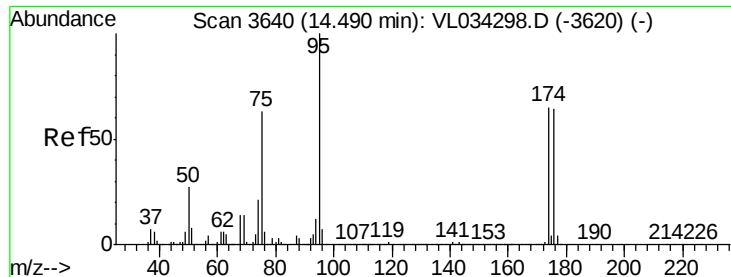


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

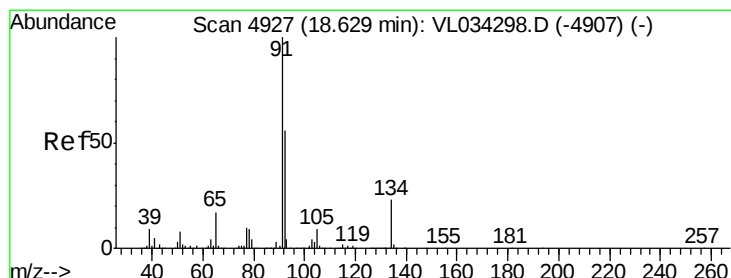
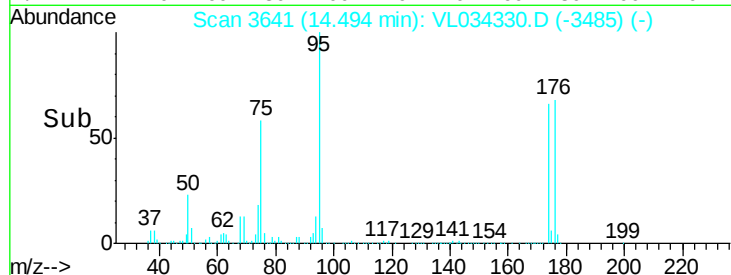
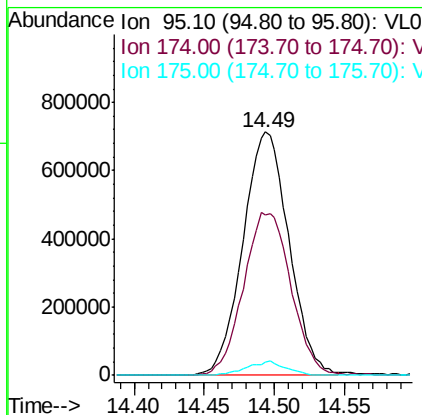
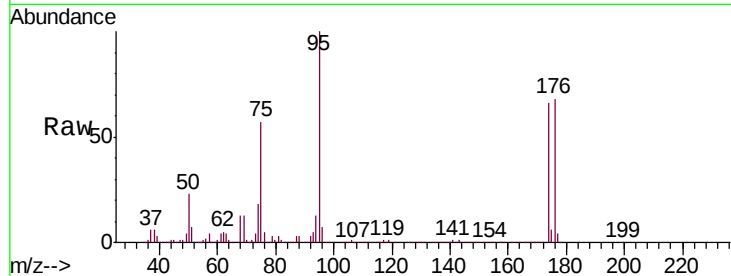




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.789 ppbv
 RT: 14.49 min Scan# 3641
 Delta R.T. 0.00 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

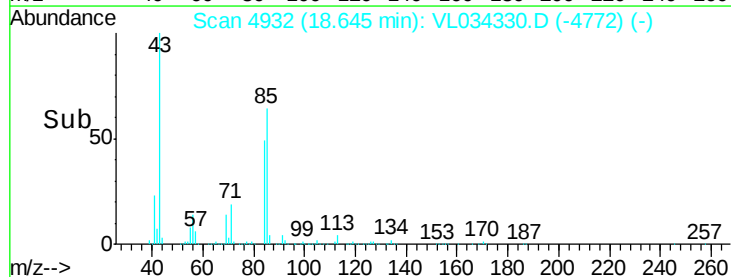
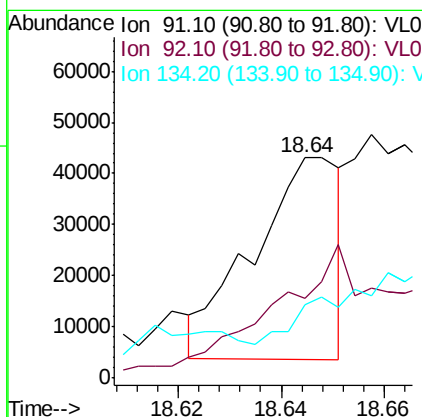
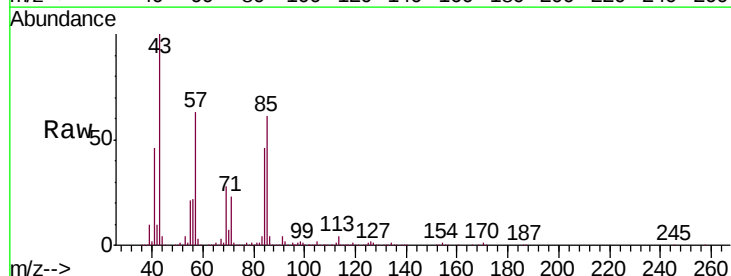
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

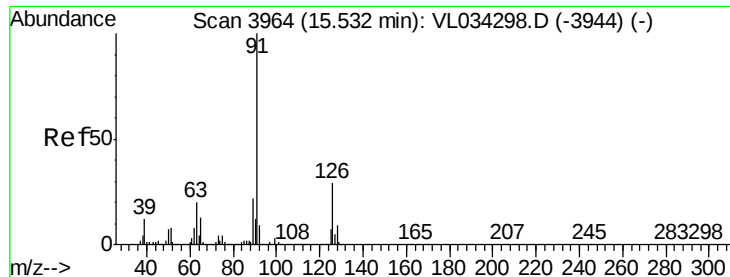
Tgt Ion: 95 Resp: 1623480
 Ion Ratio Lower Upper
 95 100
 174 69.4 52.6 78.8
 175 5.1 3.8 5.6



#70
 n-Butylbenzene
 Concen: 0.134 ppbv
 RT: 18.64 min Scan# 4932
 Delta R.T. 0.02 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Tgt Ion: 91 Resp: 46146
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.5 66.7#
 134 0.0 18.2 27.2#

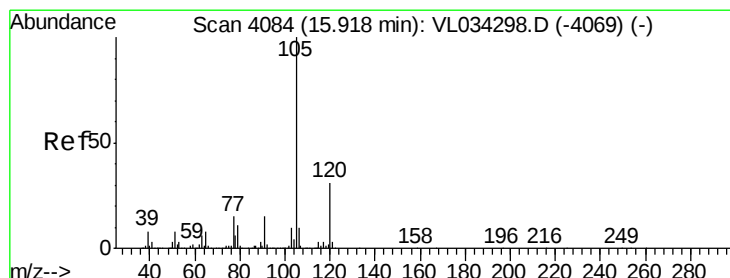
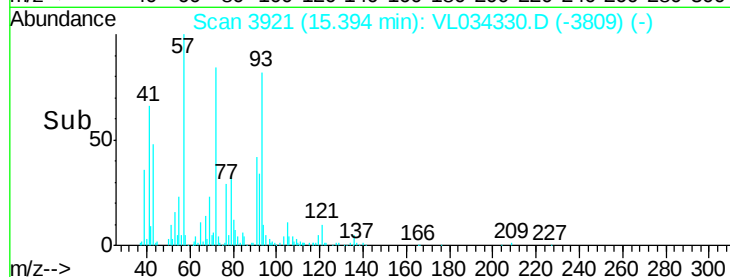
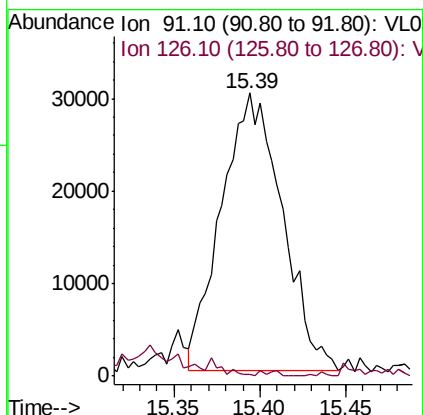
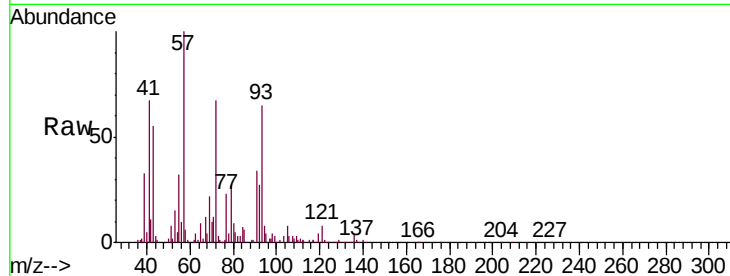




#71
 2-Chlorotoluene
 Concen: 0.305 ppbv
 RT: 15.39 min Scan# 3921
 Delta R.T. -0.14 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

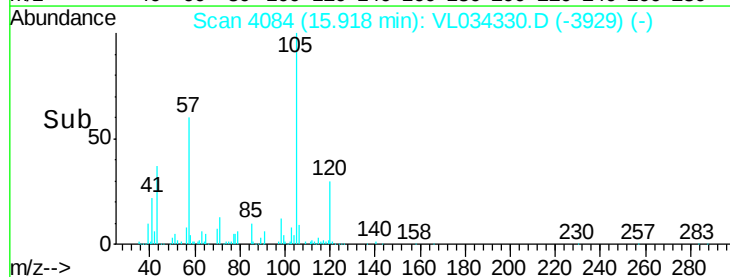
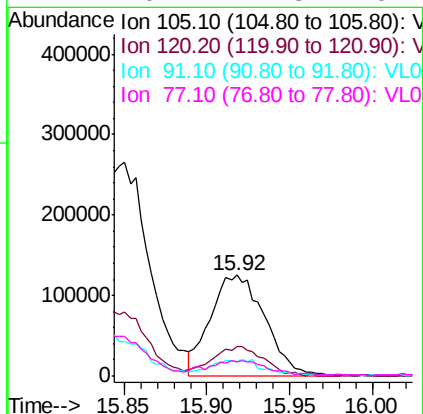
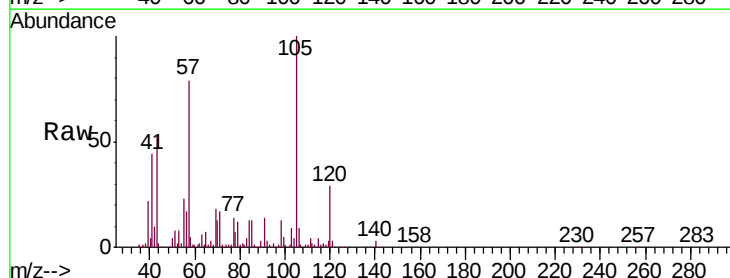
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

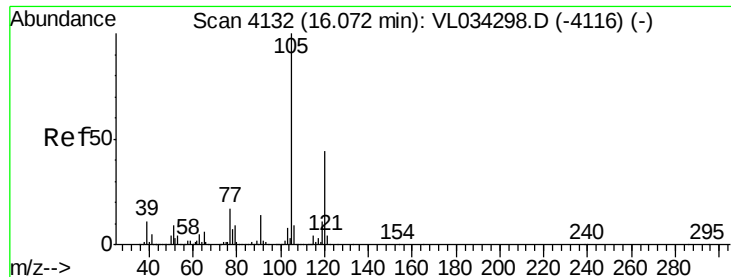
Tgt Ion: 91 Resp: 73810
 Ion Ratio Lower Upper
 91 100
 126 2.2 11.9 47.5#



#72
 4-Ethyltoluene
 Concen: 1.066 ppbv
 RT: 15.92 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VL034330.D
 Acq: 18 Oct 2019 00:01

Tgt Ion: 105 Resp: 283108
 Ion Ratio Lower Upper
 105 100
 120 28.3 23.8 35.8
 91 15.4 11.2 16.8
 77 16.1 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 0.889 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. -0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

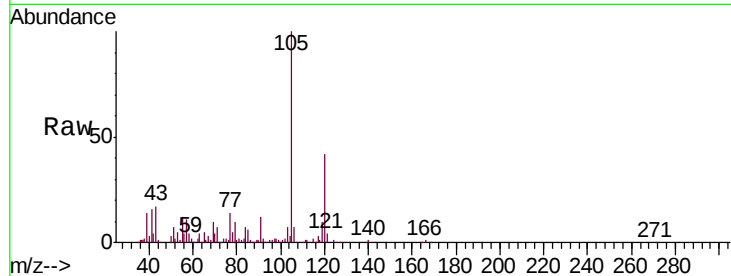
SV3

Tgt Ion:105 Resp: 233868

Ion Ratio Lower Upper

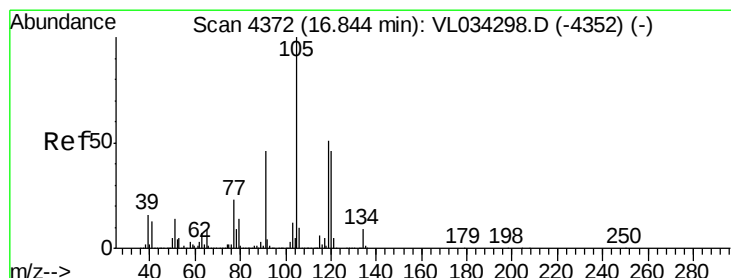
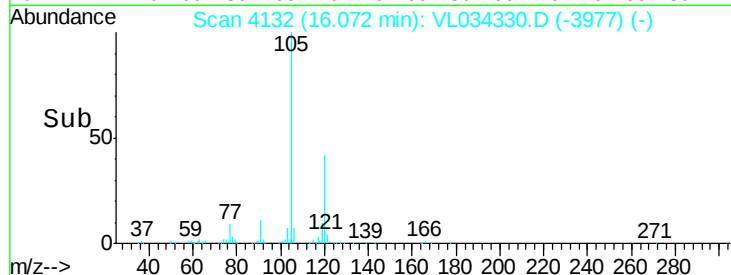
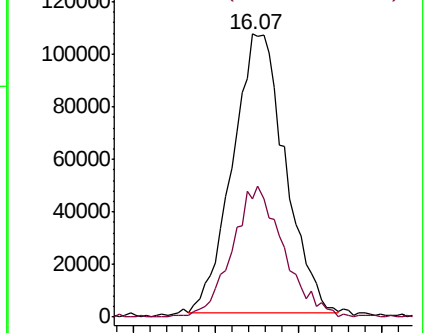
105 100

120 42.6 35.2 52.8



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: 3.314 ppbv

RT: 16.85 min Scan# 4373

Delta R.T. 0.00 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Tgt Ion:105 Resp: 909228

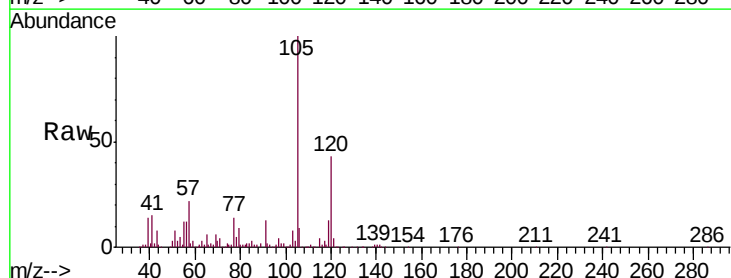
Ion Ratio Lower Upper

105 100

120 42.6 37.0 55.6

91 12.4 38.2 57.2#

77 12.9 19.0 28.4#

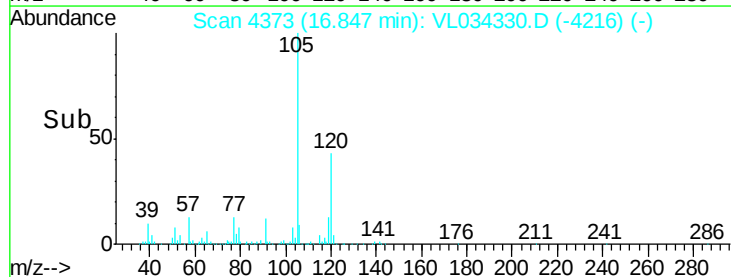
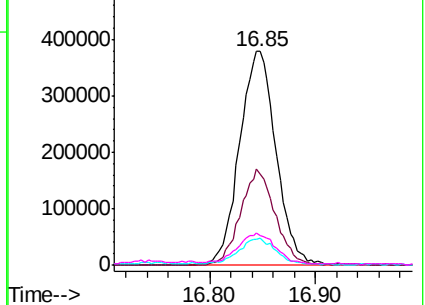


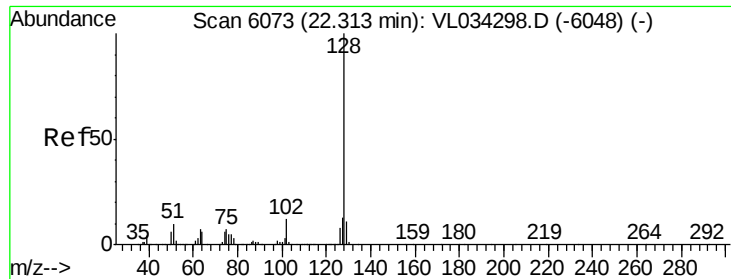
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.109 ppbv

RT: 22.33 min Scan# 6078

Delta R.T. 0.02 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

SV3

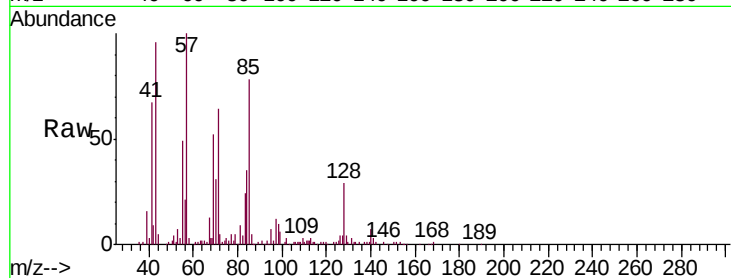
Tgt Ion:128 Resp: 21744

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

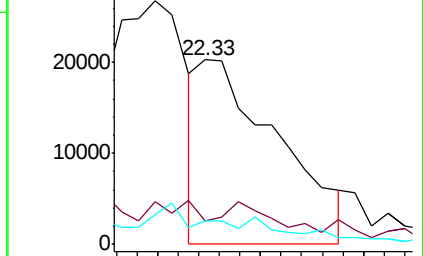
129 15.5 8.9 13.3#



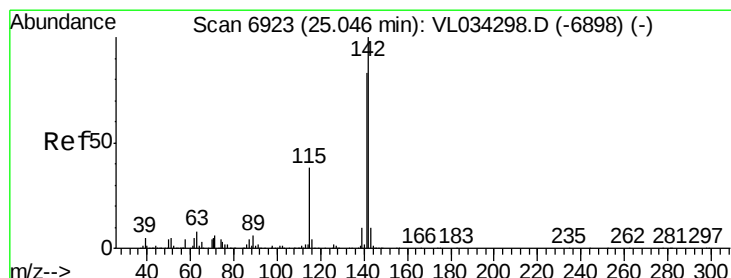
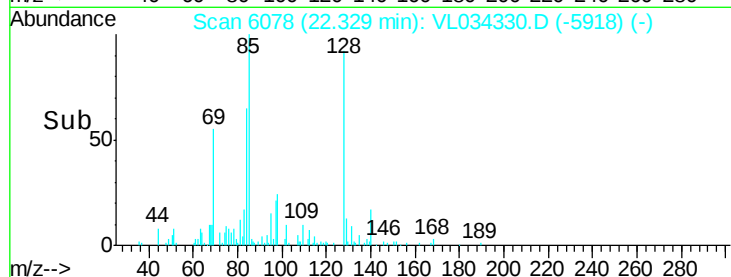
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 0.100 ppbv

RT: 25.04 min Scan# 6920

Delta R.T. -0.01 min

Lab File: VL034330.D

Acq: 18 Oct 2019 00:01

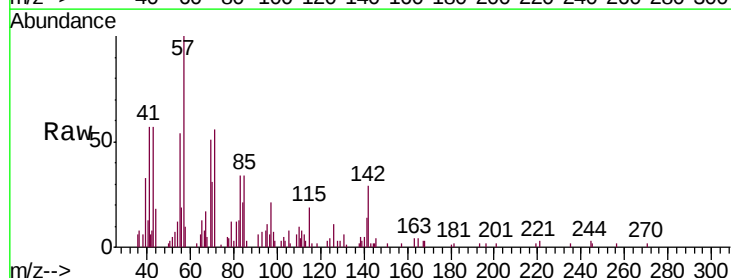
Tgt Ion:142 Resp: 5809

Ion Ratio Lower Upper

142 100

141 129.0 65.7 98.5#

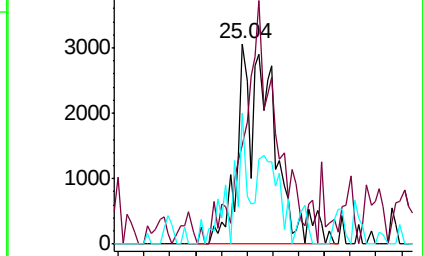
115 60.6 30.9 46.3#



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



Time-->

