

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034225.D
 Acq On : 7 Oct 2019 16:19
 Operator : SY/AP
 Sample : VL1007ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Quant Time: Oct 09 02:20:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1097046	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1904069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2045923	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1762853	9.92	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1243113	7.671	ppbv	100
3) Chlorodifluoromethane	2.97	51	1341175	10.427	ppbv	99
4) Chloromethane	3.12	50	806246	10.666	ppbv	100
5) Vinyl Chloride	3.24	62	712103	10.308	ppbv	94
6) Bromomethane	3.46	94	349175	10.834	ppbv	95
7) Chloroethane	3.55	64	258892	10.722	ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	1482691	10.367	ppbv	99
9) Propene	2.99	41	650687	10.253	ppbv	100
10) Heptane	8.17	43	1709574	10.336	ppbv	99
11) Trichlorofluoromethane	3.94	101	1596773	10.825	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1051714	10.895	ppbv	99
13) Ethanol	3.60	45	150443	9.790	ppbv	98
14) Bromoethene	3.73	108	441704	11.192	ppbv	98
15) Acetone	3.84	43	1351246	9.190	ppbv	100
16) 1,3-Butadiene	3.31	39	705282	10.991	ppbv	100
17) tert-Butyl alcohol	4.29	59	1188780	12.760	ppbv	100
18) 1,1-Dichloroethene	4.29	96	487496	11.579	ppbv	92
19) Isopropyl Alcohol	3.97	45	1047969	11.590	ppbv	100
20) Methylene Chloride	4.35	84	438690	10.348	ppbv	97
21) Allyl Chloride	4.42	41	936333	11.274	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	477123	11.326	ppbv	99
23) Vinyl Acetate	5.09	43	2247398	10.372	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1505641	10.320	ppbv	99
25) Ethyl Acetate	5.70	43	2777389	9.989	ppbv	99
26) Hexane	5.71	57	1198496	10.362	ppbv	98
27) Carbon Disulfide	4.56	76	1255627	11.771	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1865108	10.858	ppbv	99
29) Chloroform	5.78	83	1740772	10.533	ppbv	99
30) Cyclohexane	7.17	84	897264	10.745	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1264828	10.728	ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1706856	10.708	ppbv	99
34) 2-Butanone	5.26	43	1939936	9.978	ppbv	99
35) Carbon Tetrachloride	7.06	117	1692098	10.697	ppbv	99
36) Benzene	6.93	78	2114234	10.054	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1570225	10.498	ppbv	99
38) Trichloroethene	7.88	130	714305	9.507	ppbv	98
39) 1,2-Dichloropropane	7.66	63	954799	10.105	ppbv	97
40) 1,4-Dioxane	7.87	88	147104	4.811	ppbv #	1
41) Tetrahydrofuran	6.08	42	1139684	10.408	ppbv	99
42) Bromodichloromethane	7.84	83	1920573	10.699	ppbv	98
43) Methyl Methacrylate	8.06	69	952506	10.965	ppbv	98

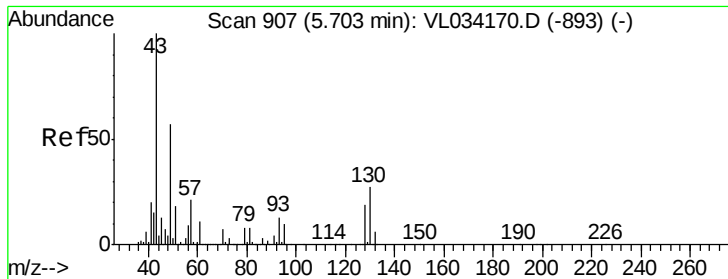
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
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Quant Time: Oct 09 02:20:30 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3997206	9.874	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1248540	12.155	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1413417	11.439	ppbv	94
47) 1,1,2-Trichloroethane	9.54	97	863984	10.183	ppbv	98
48) Dibromochloromethane	10.37	129	1442362	10.726	ppbv	98
49) Bromoform	13.12	173	1183892	10.879	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2819736	9.966	ppbv	99
51) 2-Hexanone	10.19	43	2389512	10.063	ppbv	99
52) Tetrachloroethene	11.29	164	666216	9.589	ppbv	97
53) Toluene	9.87	91	2348832	10.220	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1295019	10.263	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.20	131	932354	10.218	ppbv	98
57) Chlorobenzene	12.22	112	1670306	9.377	ppbv	98
58) Ethyl Benzene	12.78	91	3224546	9.768	ppbv	100
59) m/p-Xylene	13.07	91	2290628	8.377	ppbv #	14
60) o-Xylene	13.77	91	2660582	9.731	ppbv	99
61) Styrene	13.60	104	1930628	9.858	ppbv	99
62) Isopropylbenzene	14.75	105	3407284	9.627	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1921229	8.569	ppbv	100
64) n-propylbenzene	15.64	120	863568	9.644	ppbv	89
65) tert-Butylbenzene	16.82	119	2911627	9.415	ppbv	100
66) Benzyl Chloride	17.08	91	1413712	12.921	ppbv	99
67) sec-Butylbenzene	17.37	105	4213379	9.528	ppbv	99
69) p-Isopropyltoluene	17.73	119	3415678	9.539	ppbv	100
70) n-Butylbenzene	18.63	91	3868885	9.279	ppbv	100
71) 2-Chlorotoluene	15.54	91	2787224	9.638	ppbv	99
72) 4-Ethyltoluene	15.92	105	3022112	9.783	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2871946	9.624	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	2915442	9.201	ppbv	98
75) 1,3-Dichlorobenzene	17.08	146	1562791	9.193	ppbv	99
76) 1,4-Dichlorobenzene	17.23	146	1601373	9.198	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1573445	9.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1040335	9.128	ppbv	99
79) Naphthalene	22.31	128	2616650	9.380	ppbv	96
80) Naphthalene,2-methyl-	25.05	142	650542	5.015	ppbv	96
81) 1,2,4-Trichlorobenzene	22.04	180	1442774	9.337	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

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ClientSampleId :

VL1007ABS01

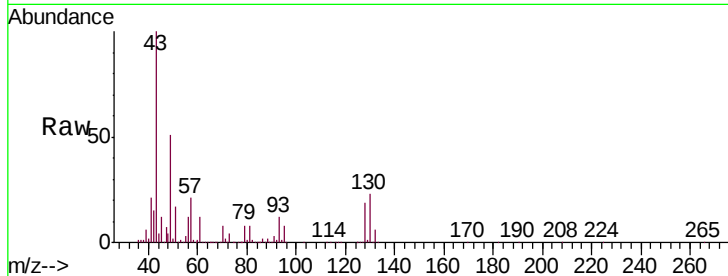
Tgt Ion: 49 Resp: 1097046

Ion Ratio Lower Upper

49 100

128 36.1 17.6 52.9

130 44.6 22.3 66.9



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

5.69

800000

600000

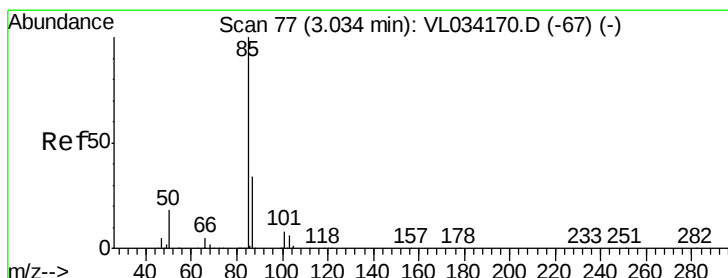
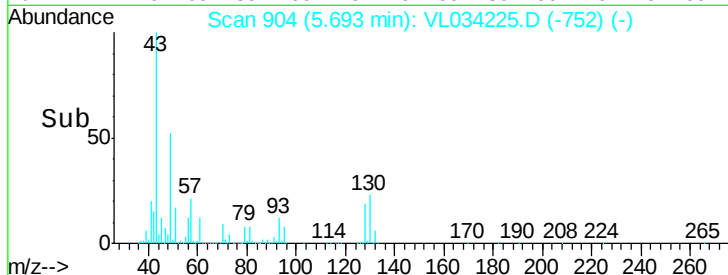
400000

200000

0

Time-->

5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 7.671 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034225.D

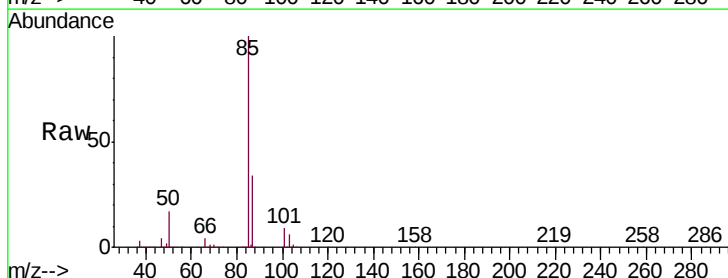
Acq: 7 Oct 2019 16:19

Tgt Ion: 85 Resp: 1243113

Ion Ratio Lower Upper

85 100

87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

1000000

800000

600000

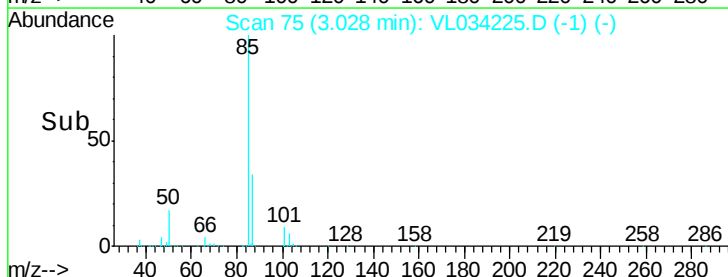
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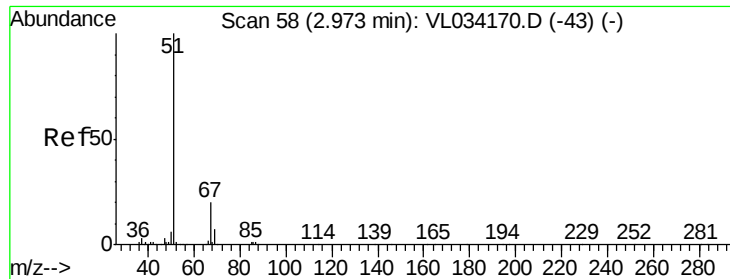
200000

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Time-->

3.00 3.05 3.10





#3

Chlorodifluoromethane

Concen: 10.427 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

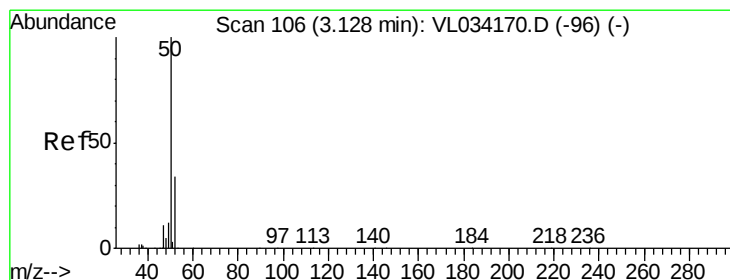
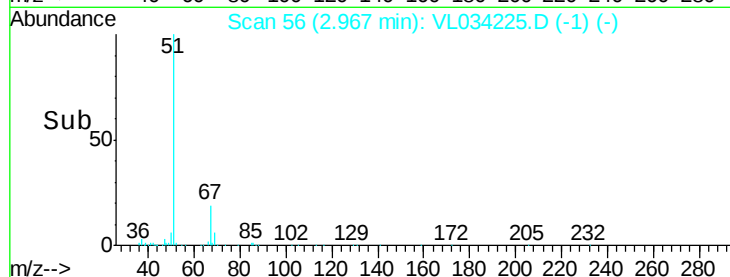
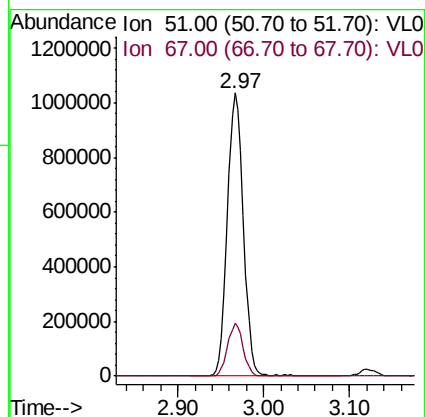
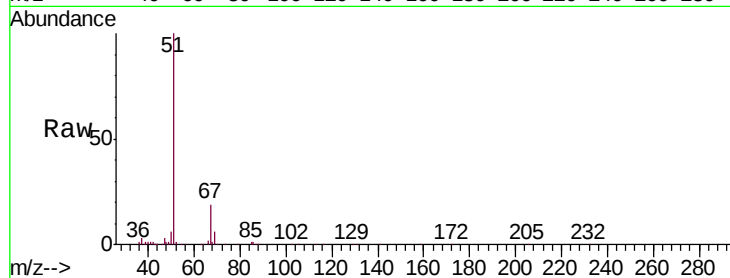
VL1007ABS01

Tgt Ion: 51 Resp: 1341175

Ion Ratio Lower Upper

51 100

67 18.1 14.8 22.2



#4

Chloromethane

Concen: 10.666 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034225.D

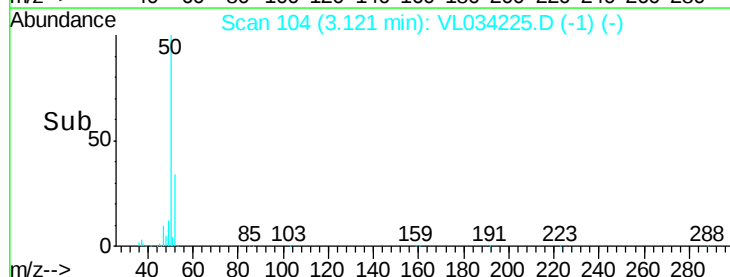
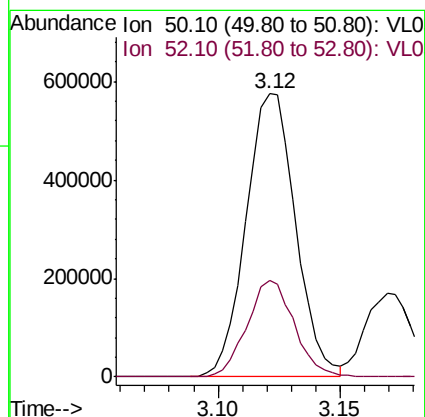
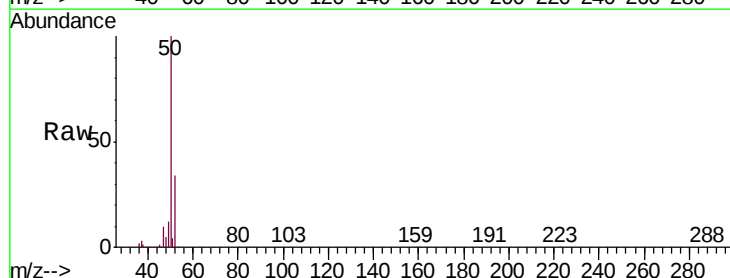
Acq: 7 Oct 2019 16:19

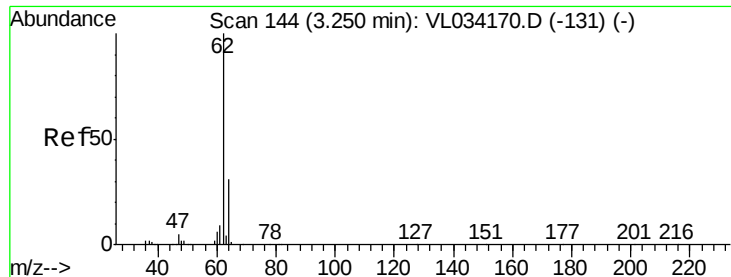
Tgt Ion: 50 Resp: 806246

Ion Ratio Lower Upper

50 100

52 34.0 27.1 40.7





#5

Vinyl Chloride

Concen: 10.308 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

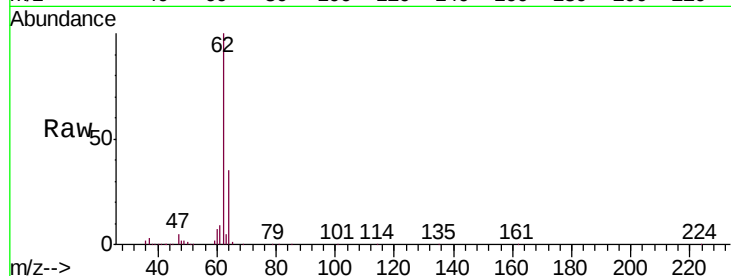
VL1007ABS01

Tgt Ion: 62 Resp: 712103

Ion Ratio Lower Upper

62 100

64 34.6 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

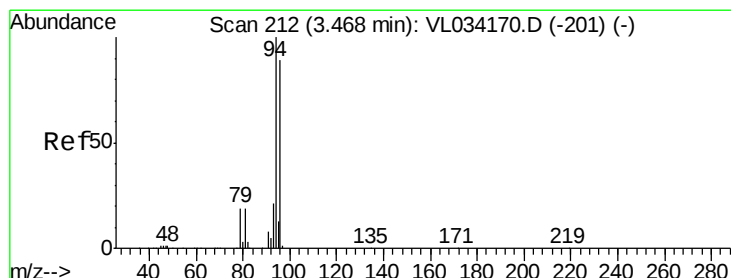
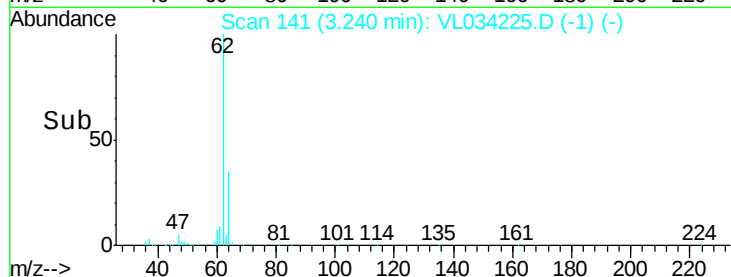
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.834 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034225.D

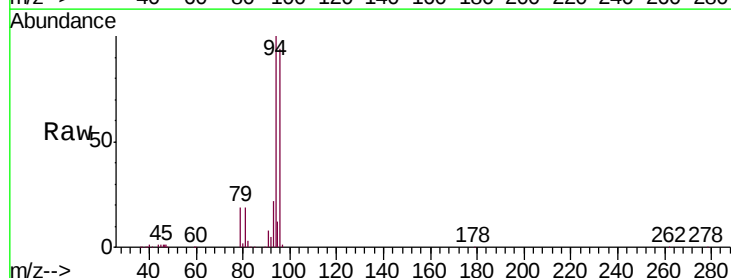
Acq: 7 Oct 2019 16:19

Tgt Ion: 94 Resp: 349175

Ion Ratio Lower Upper

94 100

96 94.1 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

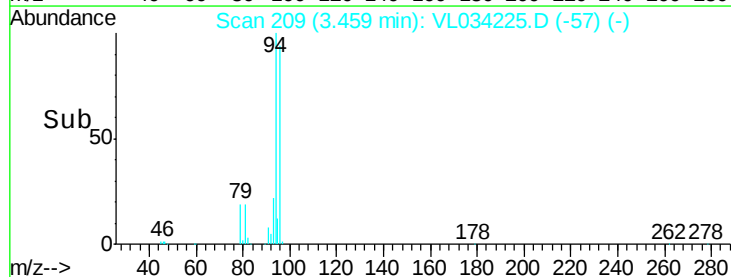
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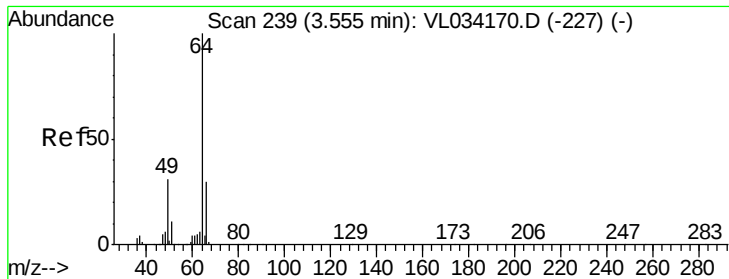
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.722 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

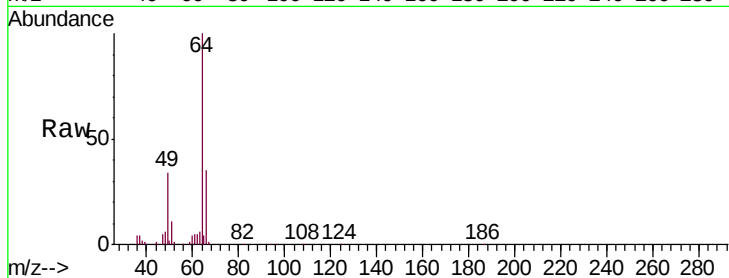
VL1007ABS01

Tgt Ion: 64 Resp: 258892

Ion Ratio Lower Upper

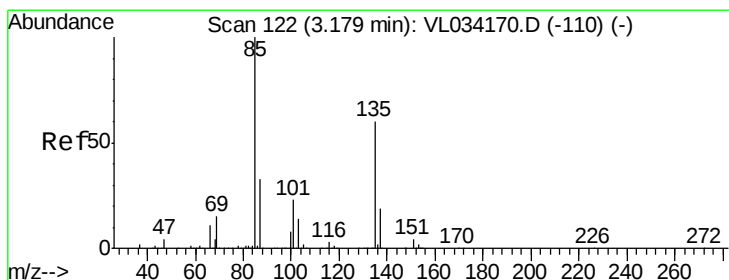
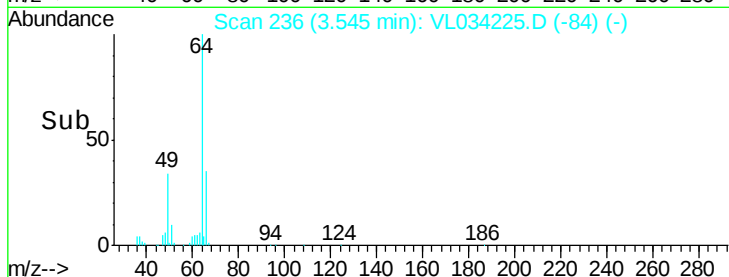
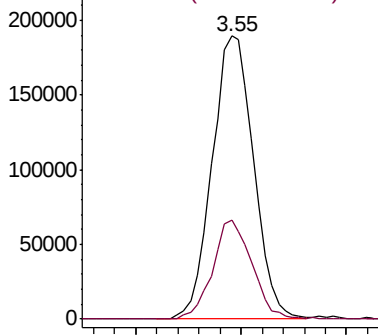
64 100

66 34.9 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.367 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034225.D

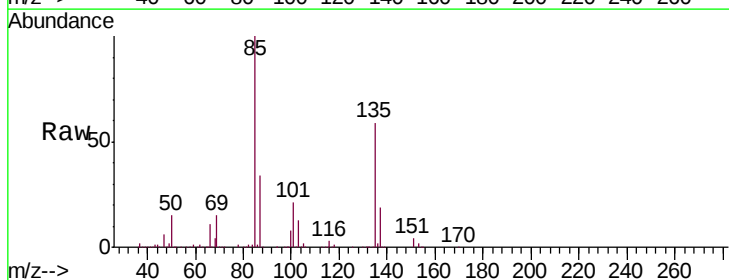
Acq: 7 Oct 2019 16:19

Tgt Ion: 85 Resp: 1482691

Ion Ratio Lower Upper

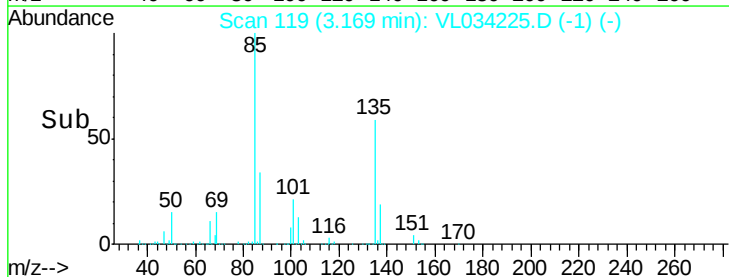
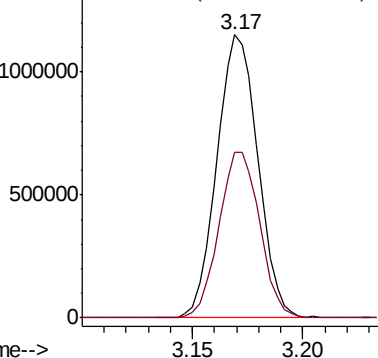
85 100

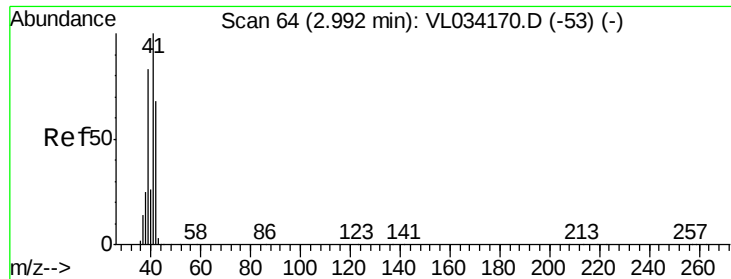
135 58.5 47.3 70.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.253 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

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ClientSampleId :

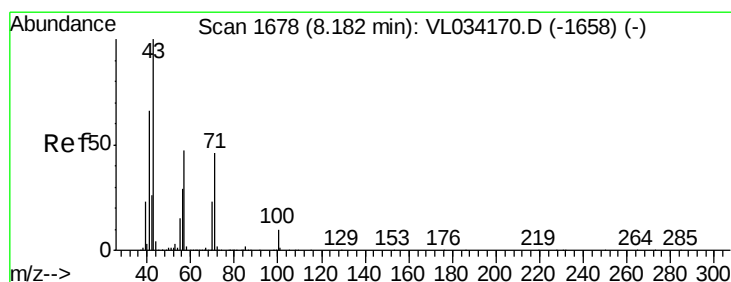
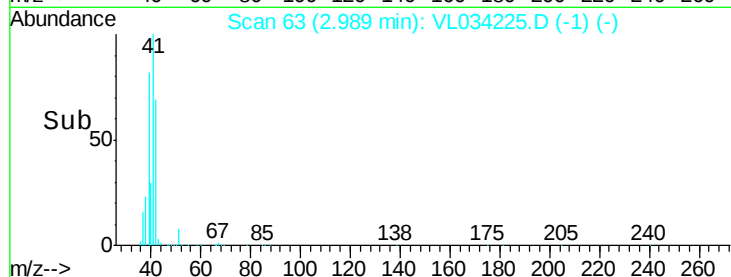
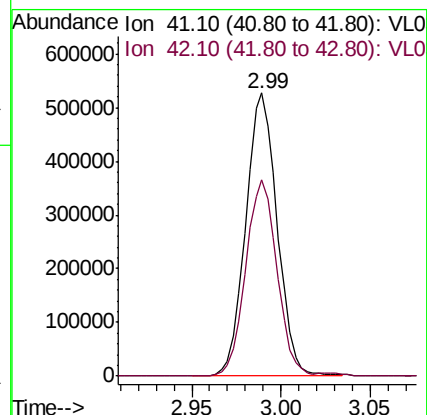
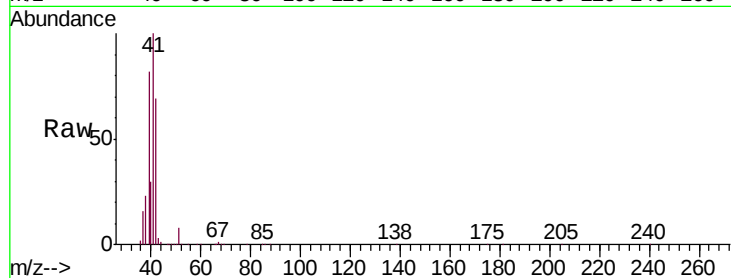
VL1007ABS01

Tgt Ion: 41 Resp: 650687

Ion Ratio Lower Upper

41 100

42 70.1 55.8 83.6



#10

Heptane

Concen: 10.336 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VL034225.D

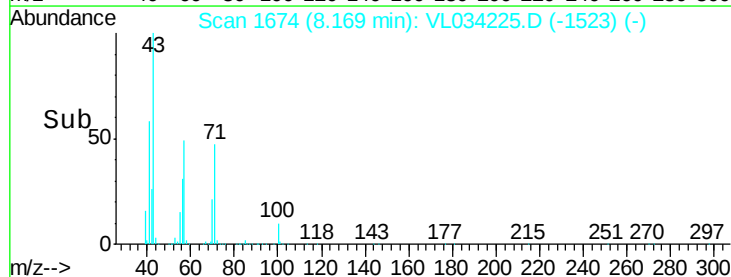
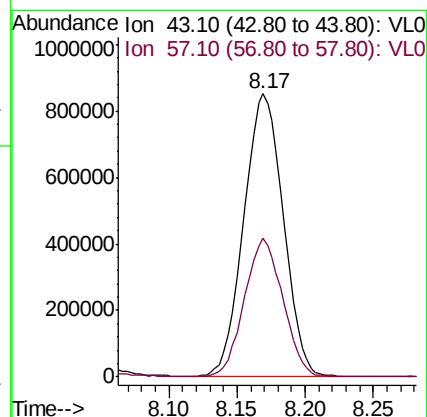
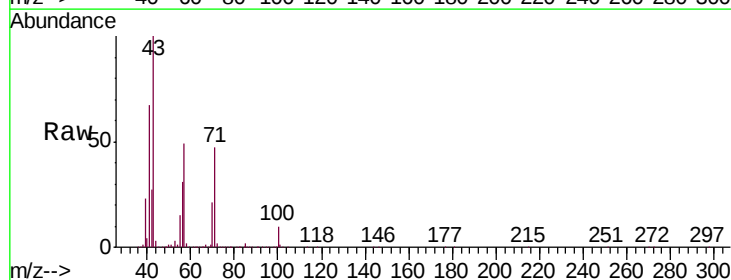
Acq: 7 Oct 2019 16:19

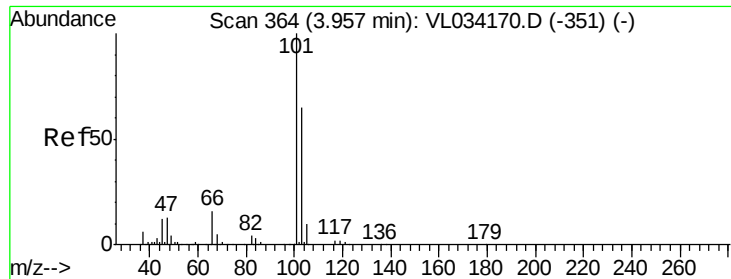
Tgt Ion: 43 Resp: 1709574

Ion Ratio Lower Upper

43 100

57 47.9 37.5 56.3





#11

Trichlorofluoromethane

Concen: 10.825 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

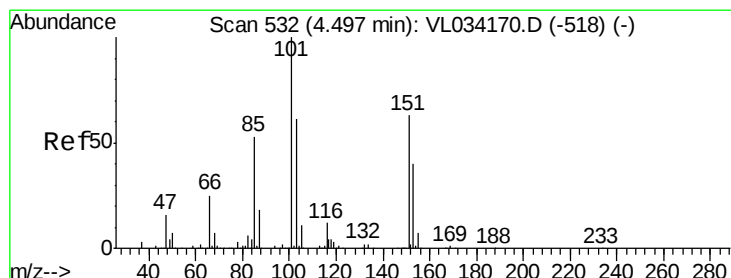
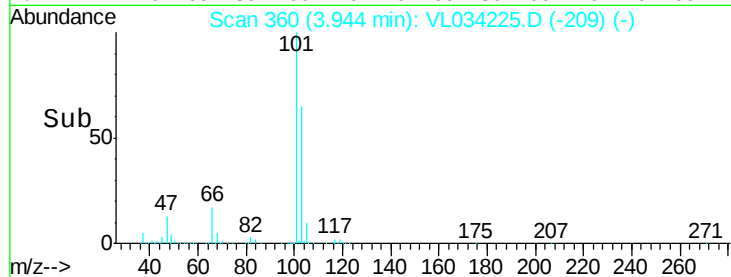
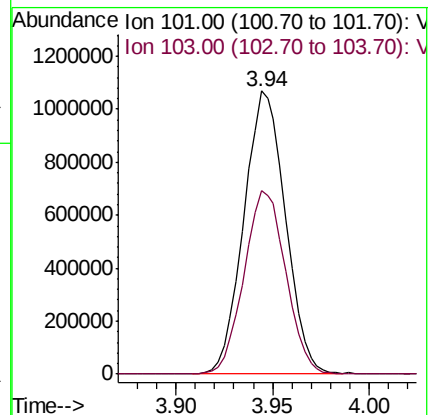
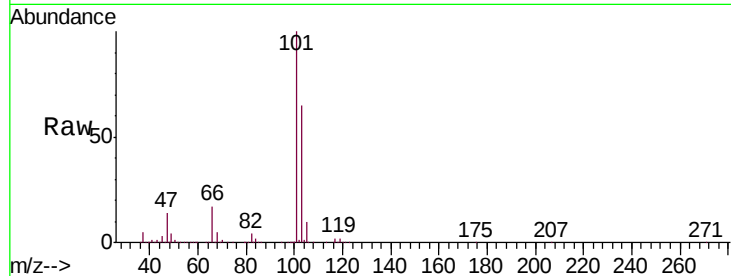
VL1007ABS01

Tgt Ion:101 Resp: 1596773

Ion Ratio Lower Upper

101 100

103 64.8 52.1 78.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.895 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.01 min

Lab File: VL034225.D

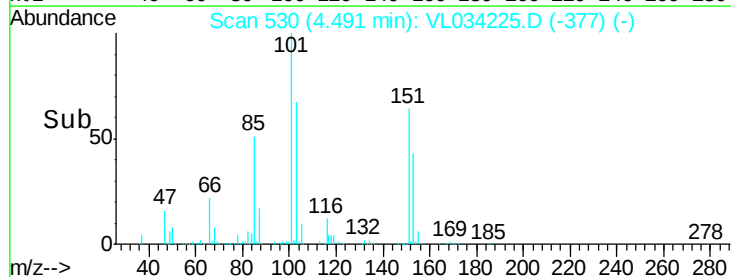
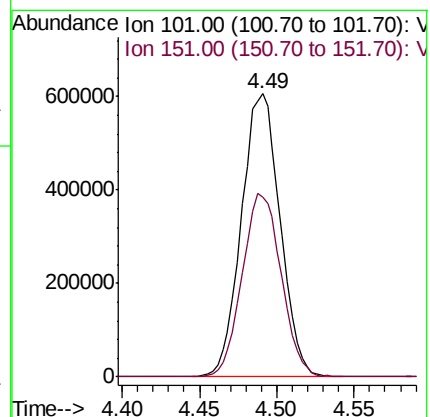
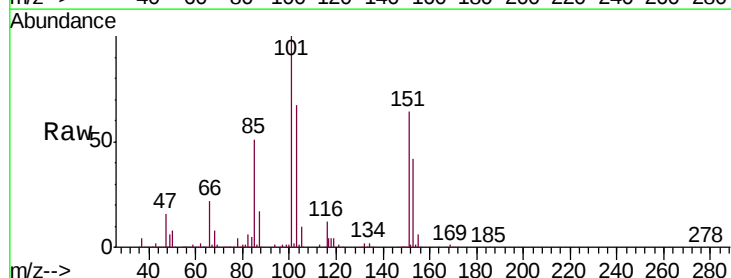
Acq: 7 Oct 2019 16:19

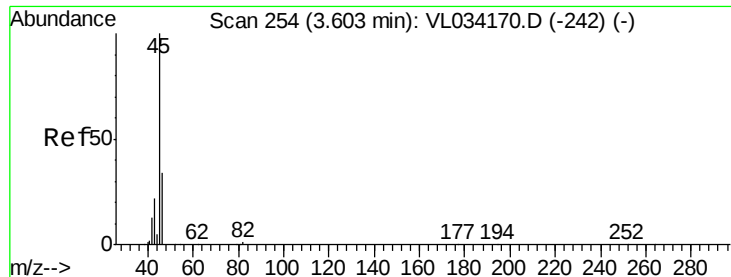
Tgt Ion:101 Resp: 1051714

Ion Ratio Lower Upper

101 100

151 65.4 51.8 77.8





#13

Ethanol

Concen: 9.790 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

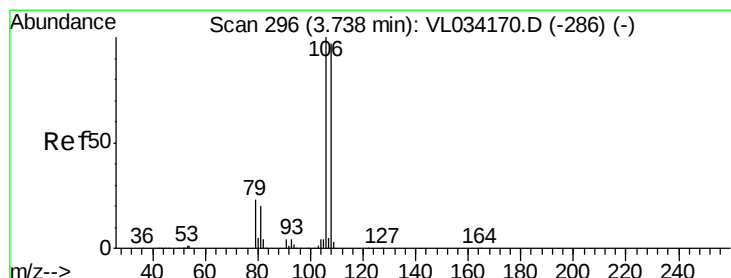
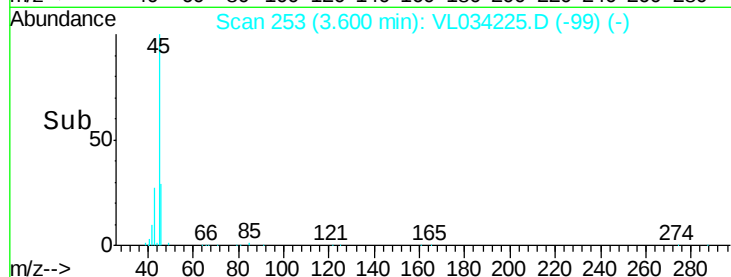
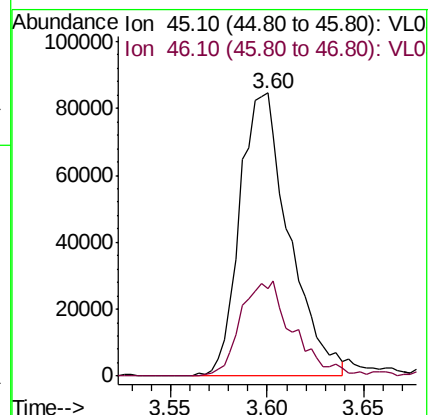
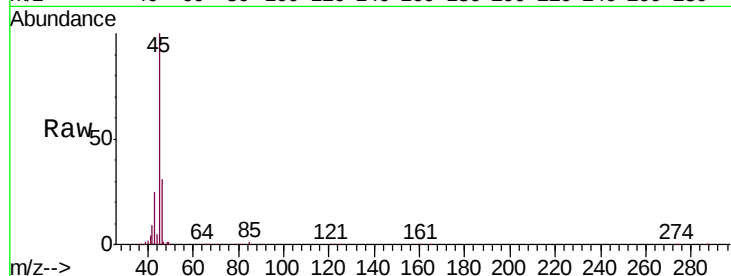
VL1007ABS01

Tgt Ion: 45 Resp: 150443

Ion Ratio Lower Upper

45 100

46 37.3 15.5 61.9



#14

Bromoethene

Concen: 11.192 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

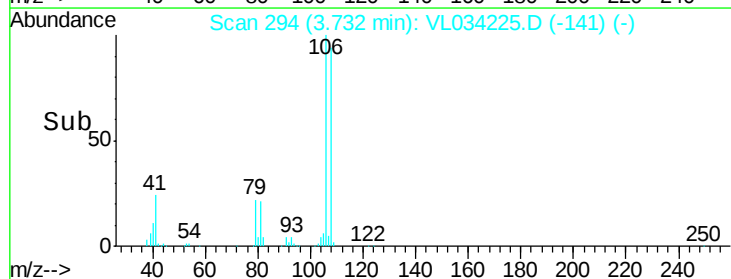
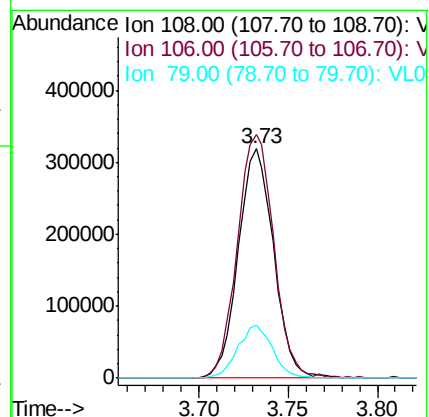
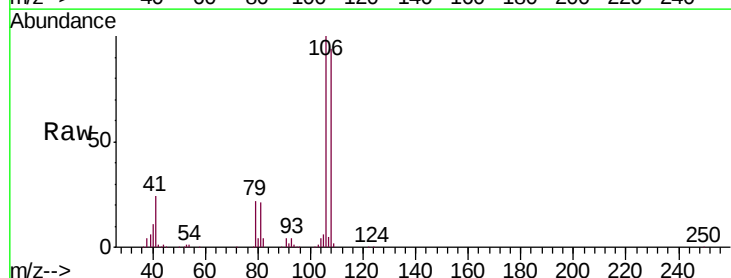
Tgt Ion: 108 Resp: 441704

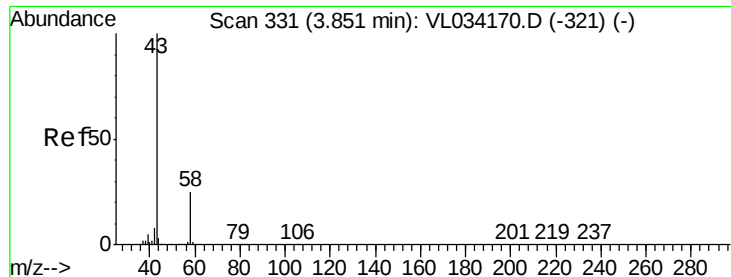
Ion Ratio Lower Upper

108 100

106 109.9 86.2 129.4

79 23.0 18.6 27.8





#15

Acetone

Concen: 9.190 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

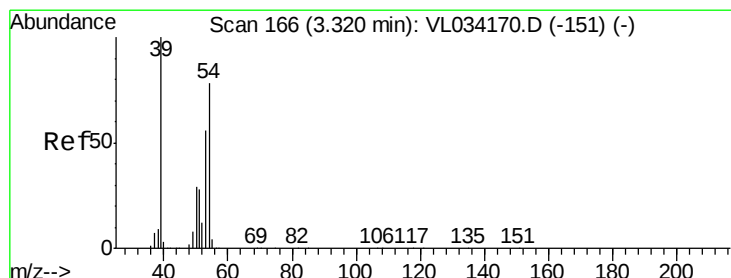
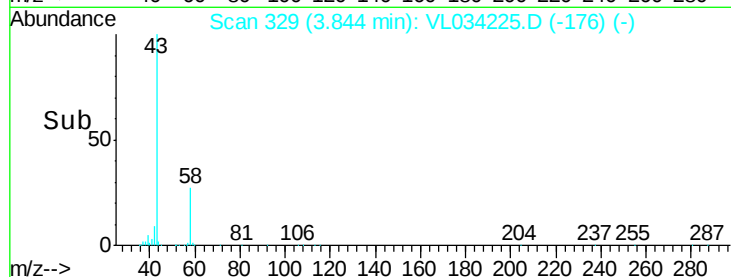
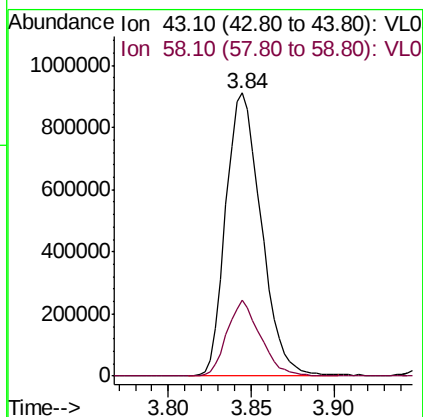
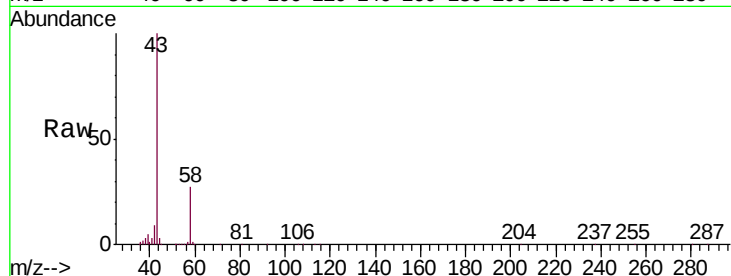
VL1007ABS01

Tgt Ion: 43 Resp: 1351246

Ion Ratio Lower Upper

43 100

58 25.6 20.5 30.7



#16

1,3-Butadiene

Concen: 10.991 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL034225.D

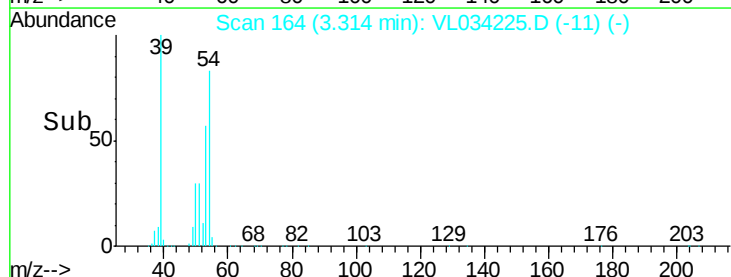
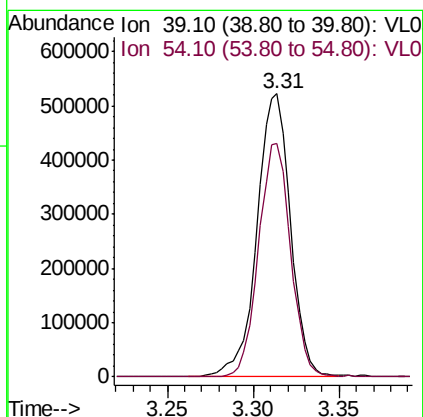
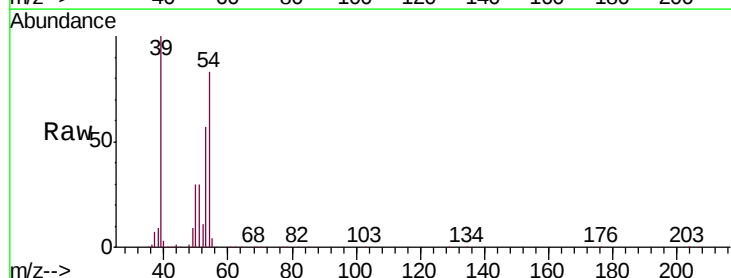
Acq: 7 Oct 2019 16:19

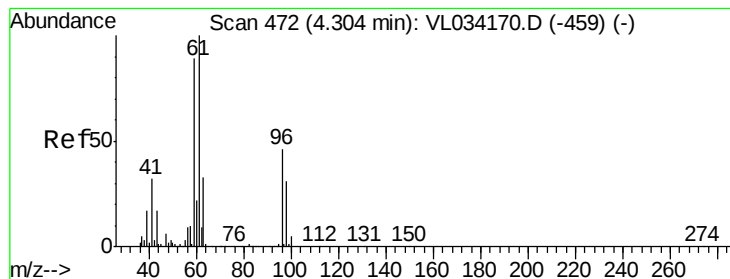
Tgt Ion: 39 Resp: 705282

Ion Ratio Lower Upper

39 100

54 79.2 63.4 95.0



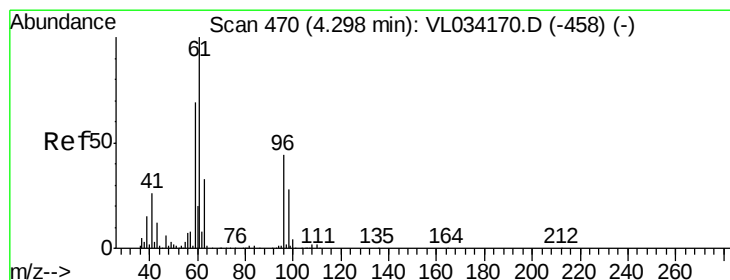
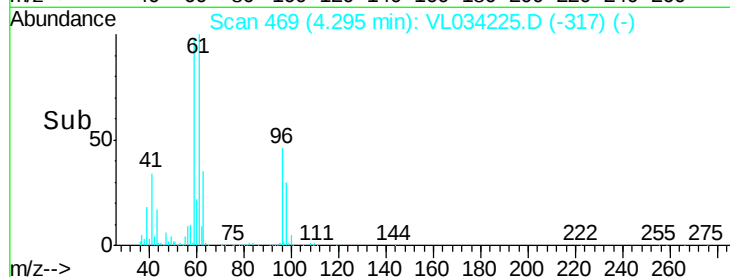
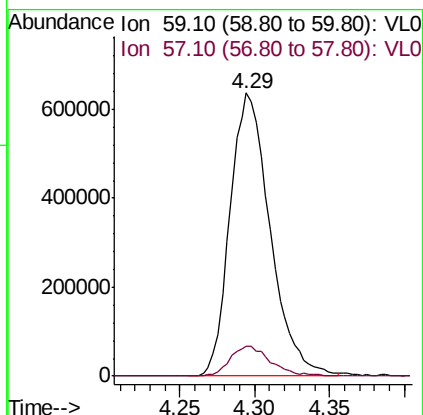
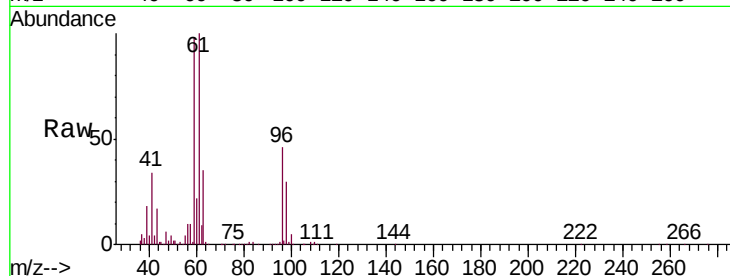


#17

tert-Butyl alcohol
 Concen: 12.760 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

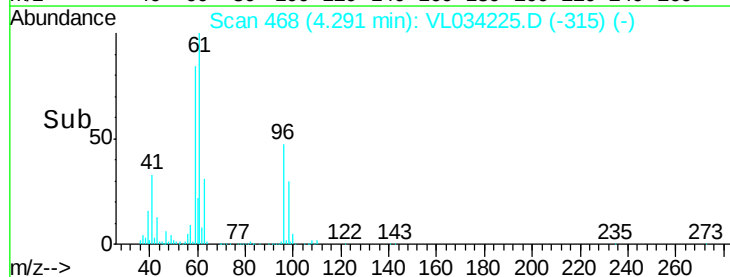
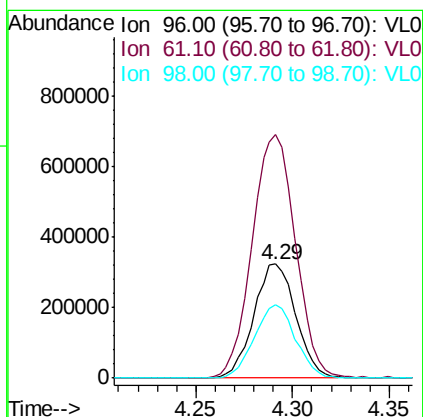
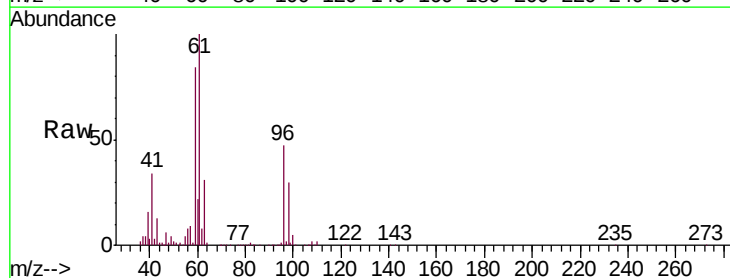
Tgt Ion: 59 Resp: 1188780
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

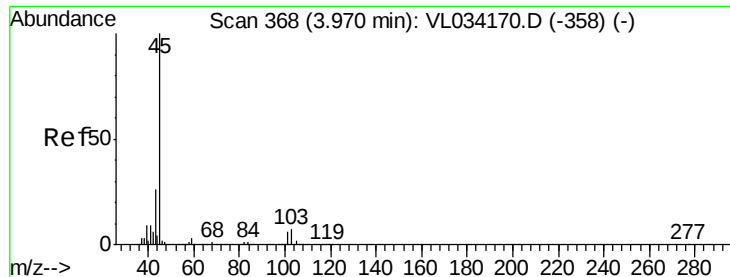


#18

1,1-Dichloroethene
 Concen: 11.579 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 96 Resp: 487496
 Ion Ratio Lower Upper
 96 100
 61 213.1 183.3 274.9
 98 64.3 51.4 77.2

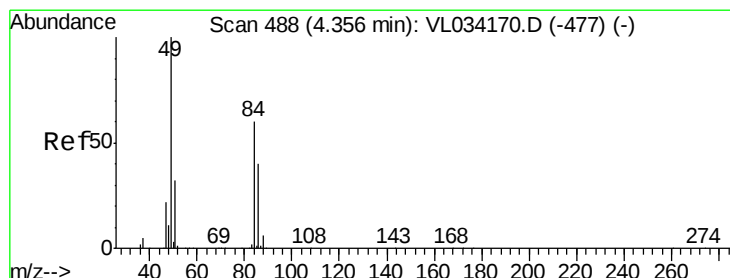
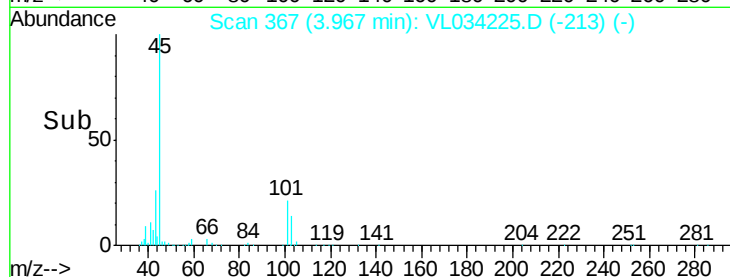
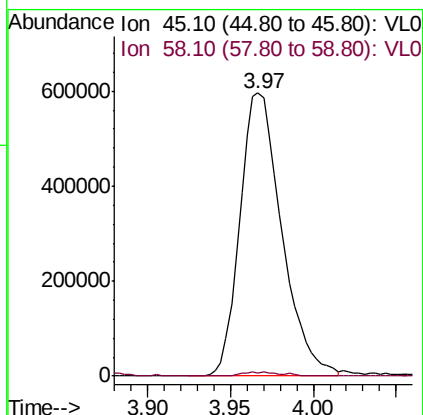
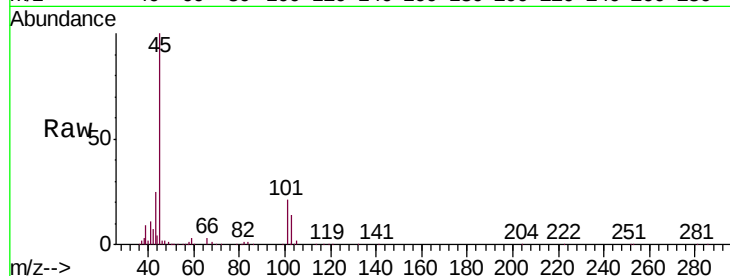




#19
Isopropyl Alcohol
Concen: 11.590 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

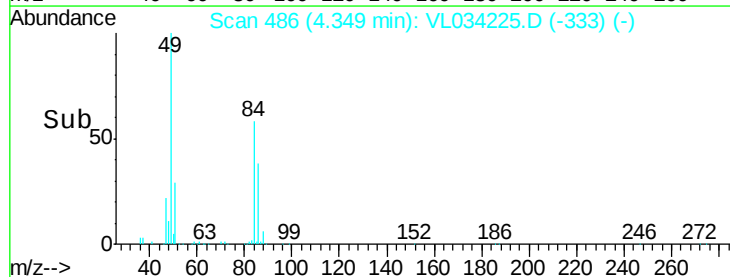
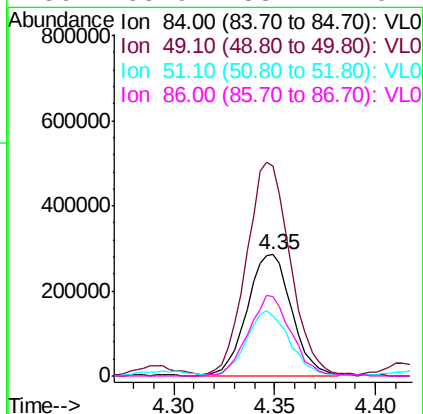
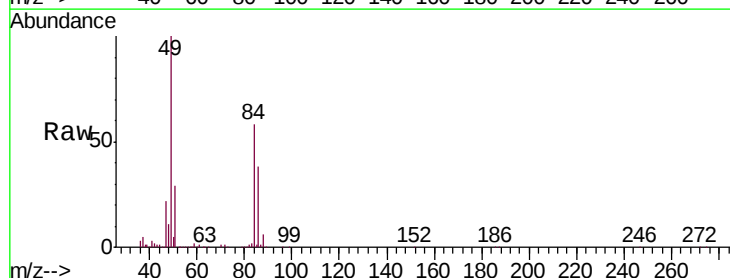
Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

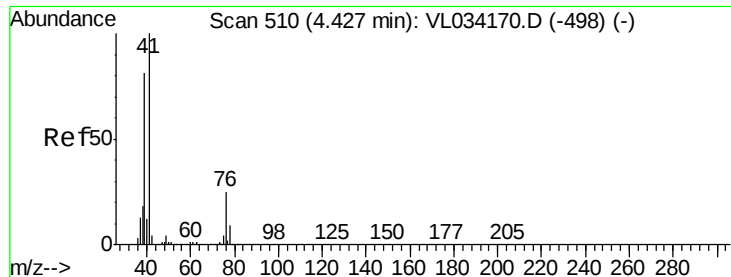
Tgt Ion: 45 Resp: 1047969
Ion Ratio Lower Upper
45 100
58 1.6 1.4 2.0



#20
Methylene Chloride
Concen: 10.348 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 84 Resp: 438690
Ion Ratio Lower Upper
84 100
49 171.6 133.8 200.8
51 49.5 43.6 65.4
86 65.9 53.1 79.7





#21

Allyl Chloride

Concen: 11.274 ppbv

RT: 4.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

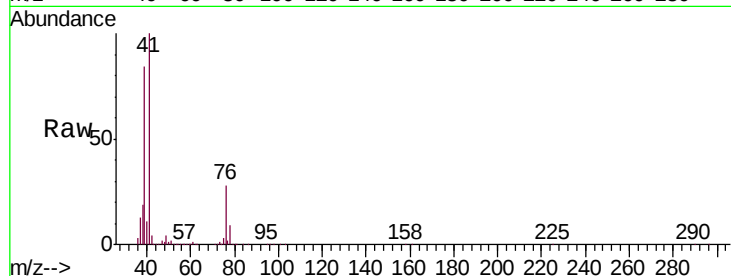
Tgt Ion: 41 Resp: 936333

Ion Ratio Lower Upper

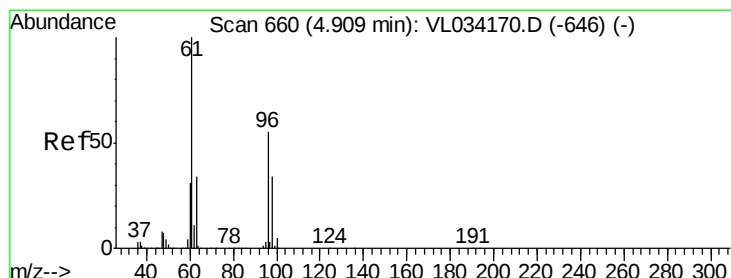
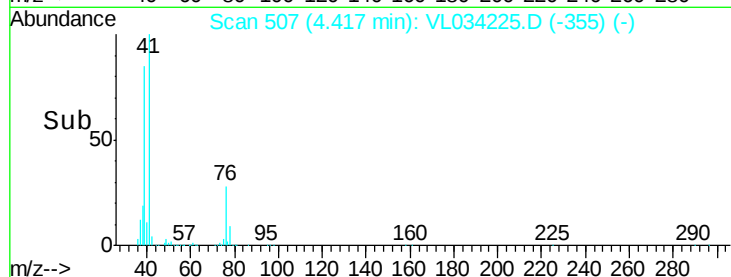
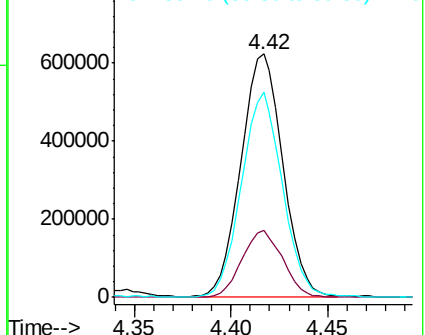
41 100

76 27.0 21.8 32.6

39 82.9 64.8 97.2



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.326 ppbv

RT: 4.90 min Scan# 657

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

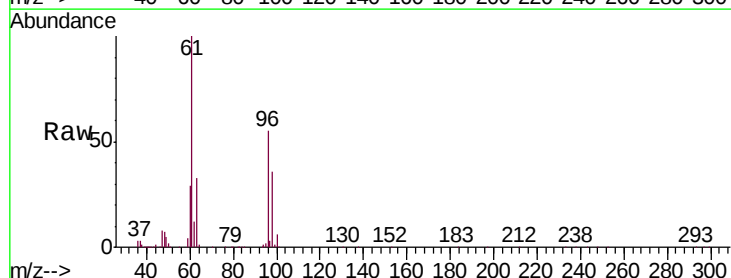
Tgt Ion: 96 Resp: 477123

Ion Ratio Lower Upper

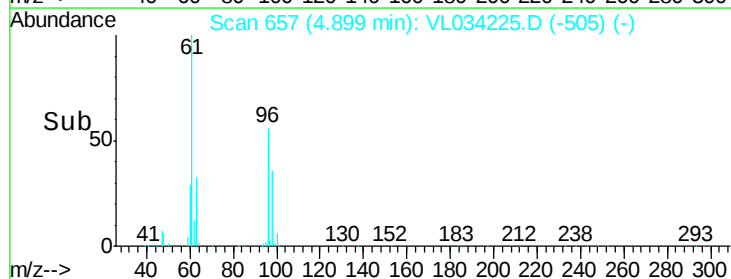
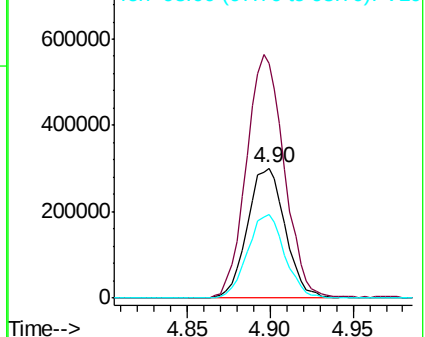
96 100

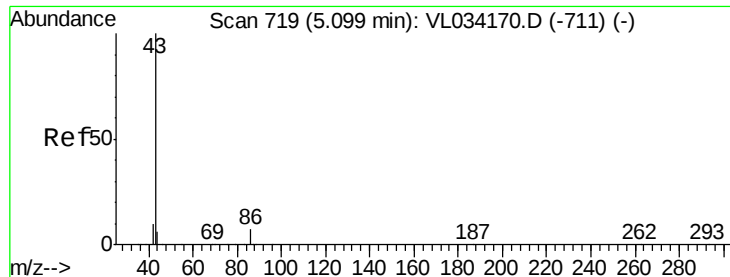
61 180.3 145.5 218.3

98 64.2 49.9 74.9



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



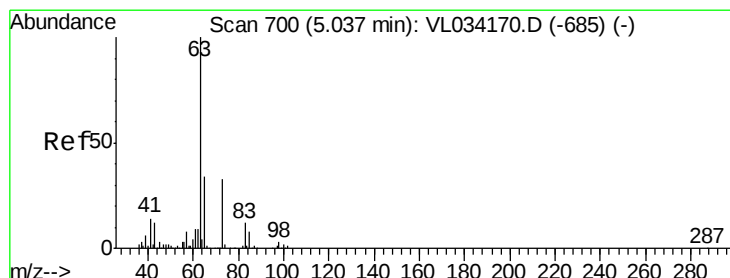
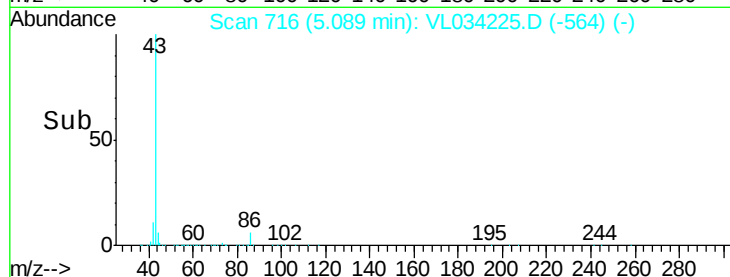
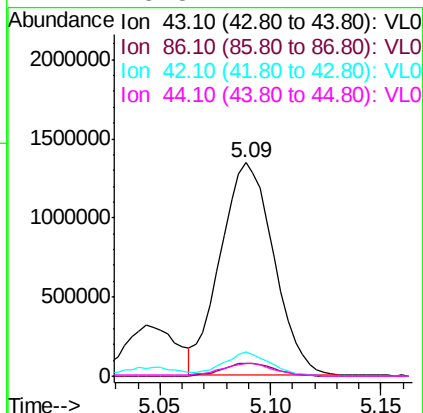
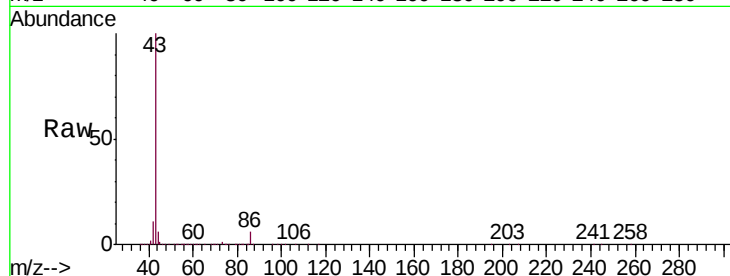


#23
 Vinyl Acetate
 Concen: 10.372 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 43 Resp: 2247398

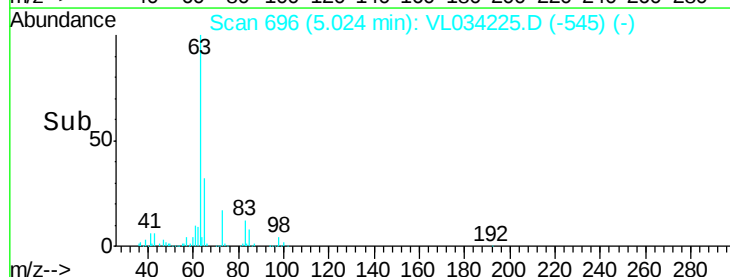
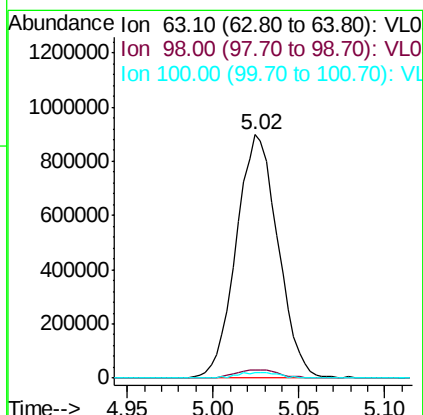
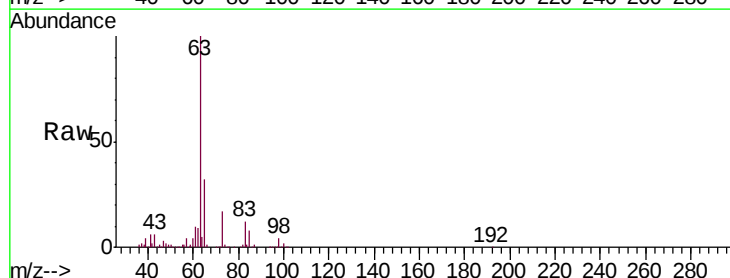
Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.1	7.7
42	11.4	8.6	12.8
44	5.8	4.7	7.1

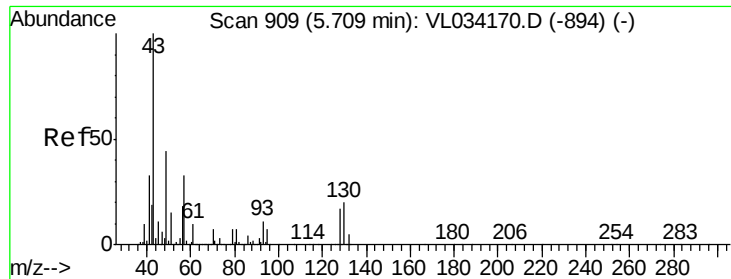


#24
 1,1-Dichloroethane
 Concen: 10.320 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 63 Resp: 1505641

Ion	Ratio	Lower	Upper
63	100		
98	3.4	1.8	5.3
100	2.4	1.0	3.0



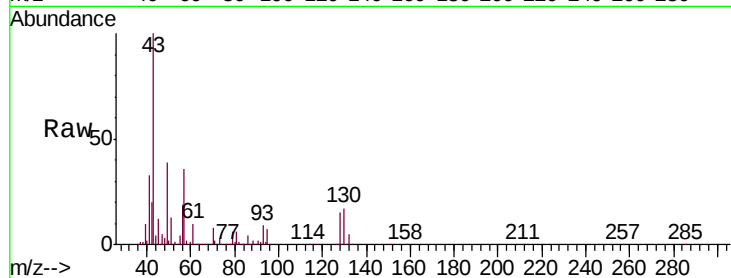


#25
Ethyl Acetate
Concen: 9.989 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 43 Resp: 2777389

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	9.4	7.2	10.8
70	6.7	5.3	7.9



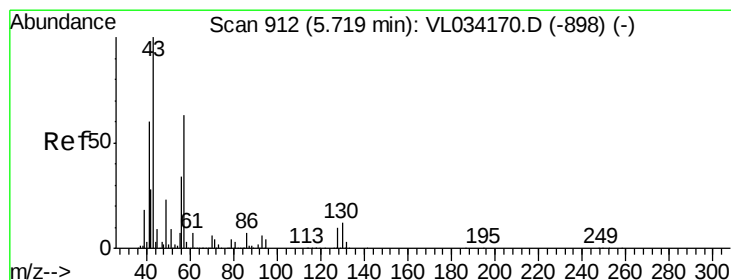
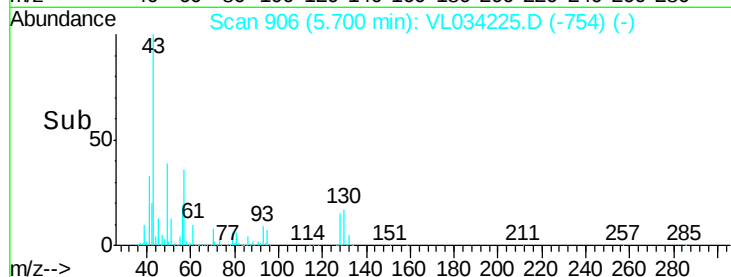
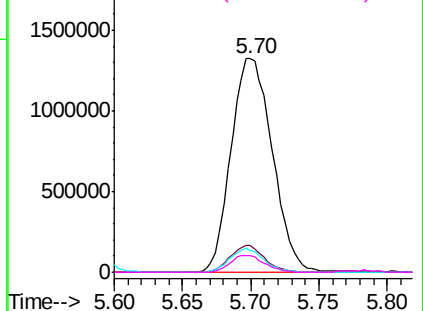
Abundance

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

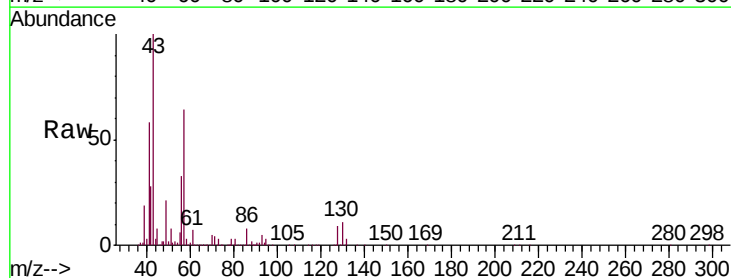
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.362 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 57 Resp: 1198496

Ion	Ratio	Lower	Upper
57	100		
41	96.1	78.5	117.7
43	233.2	189.5	284.3
56	53.6	43.2	64.8



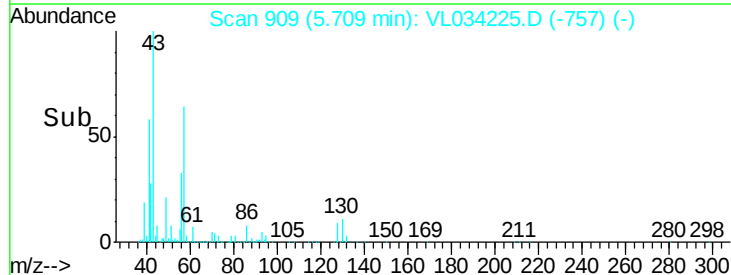
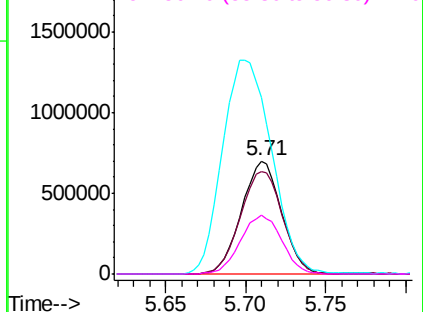
Abundance

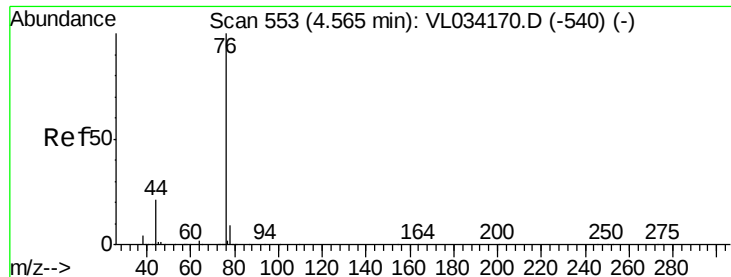
Ion 57.10 (56.80 to 57.80): VL0

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: 11.771 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

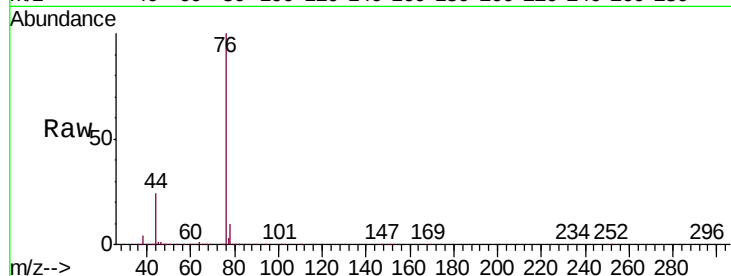
MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 76 Resp: 1255627

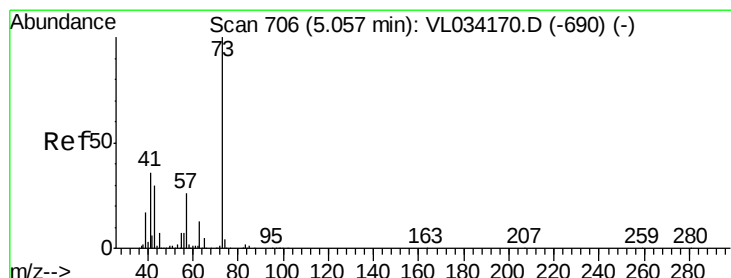
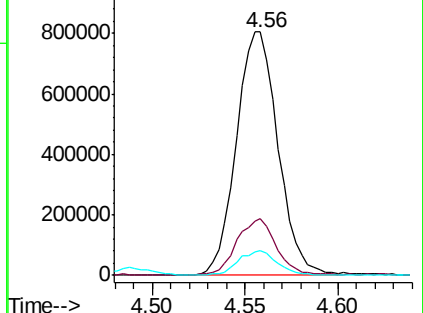
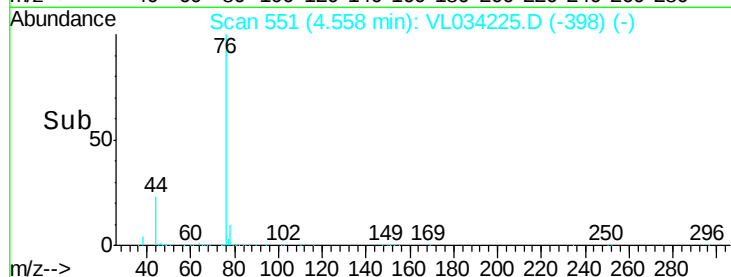
Ion	Ratio	Lower	Upper
76	100		
44	21.8	17.6	26.4
78	9.6	7.6	11.4



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



#28

Methyl tert-Butyl Ether

Concen: 10.858 ppbv

RT: 5.05 min Scan# 703

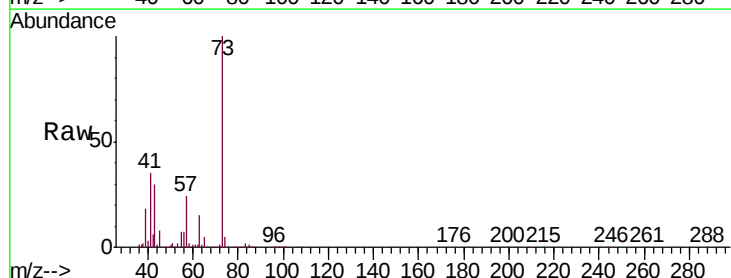
Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

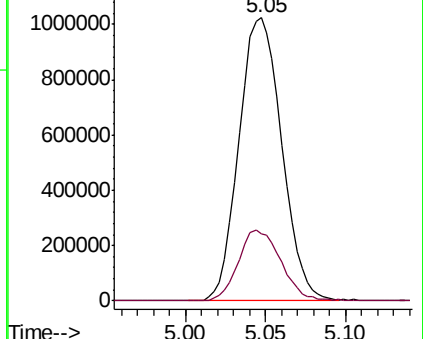
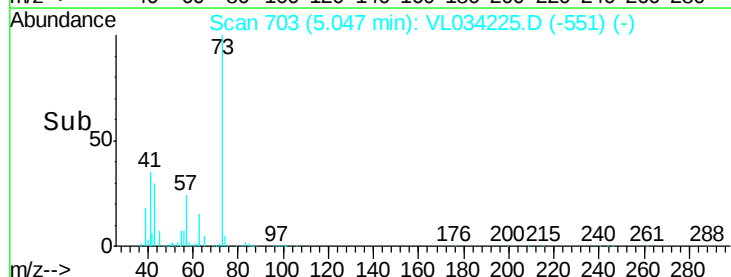
Tgt Ion: 73 Resp: 1865108

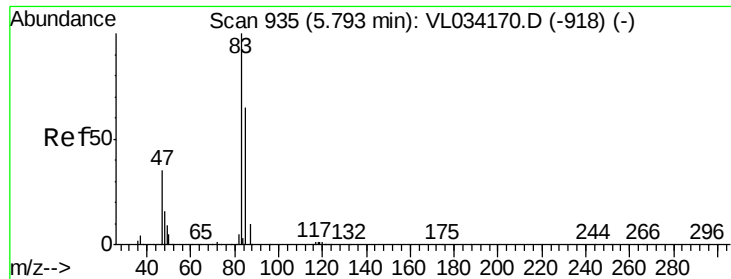
Ion	Ratio	Lower	Upper
73	100		
57	24.9	20.2	30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

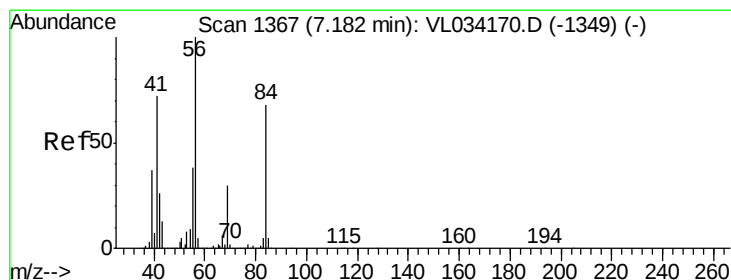
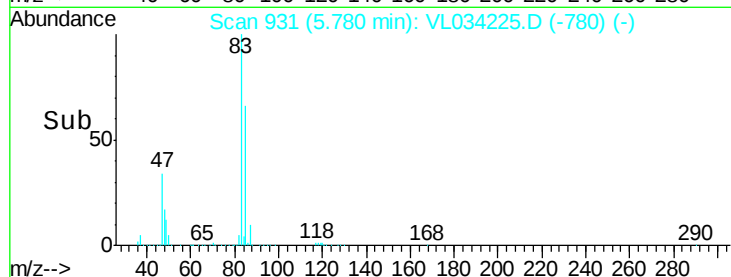
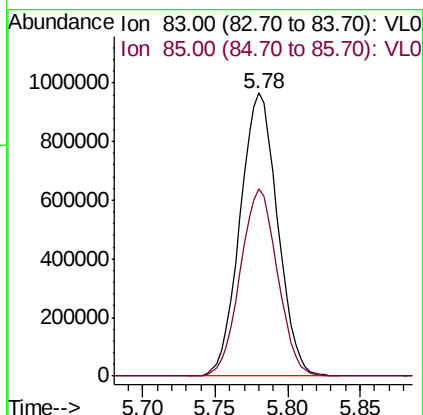
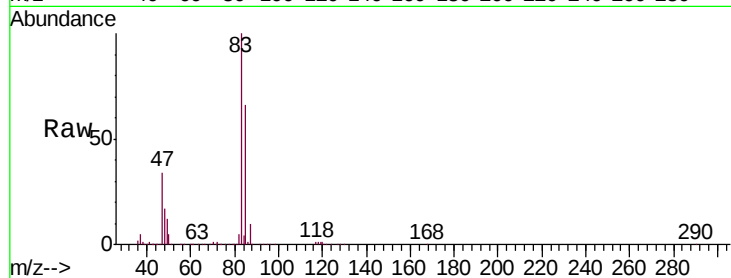




#29
Chloroform
Concen: 10.533 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

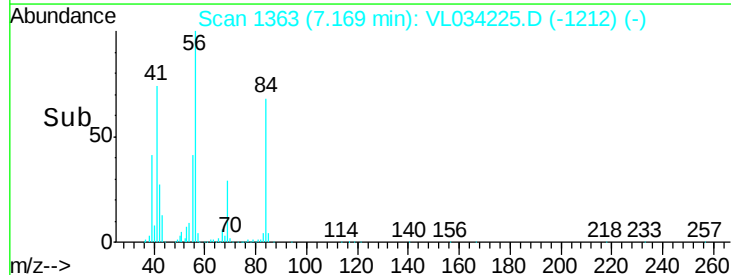
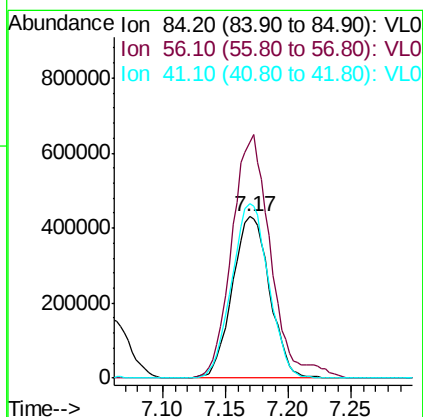
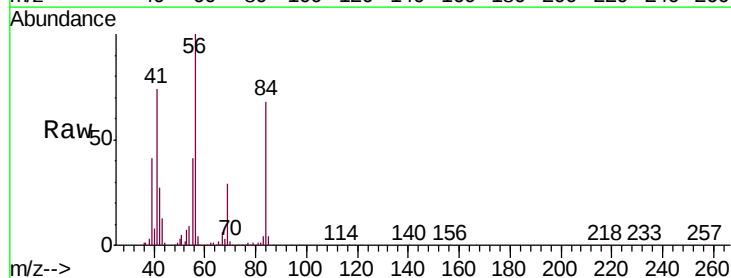
Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

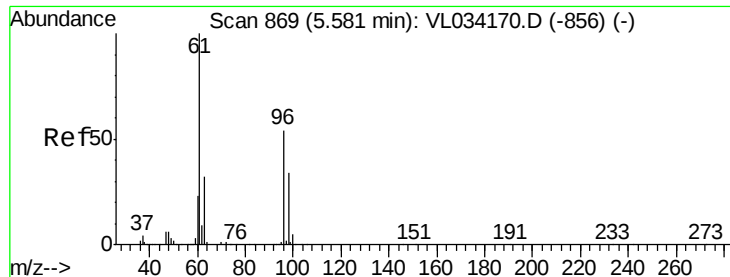
Tgt Ion: 83 Resp: 1740772
Ion Ratio Lower Upper
83 100
85 66.3 52.3 78.5



#30
Cyclohexane
Concen: 10.745 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 84 Resp: 897264
Ion Ratio Lower Upper
84 100
56 155.6 126.2 189.2
41 106.6 85.8 128.8



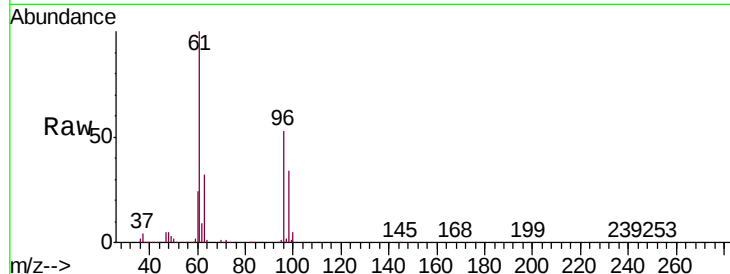


#31

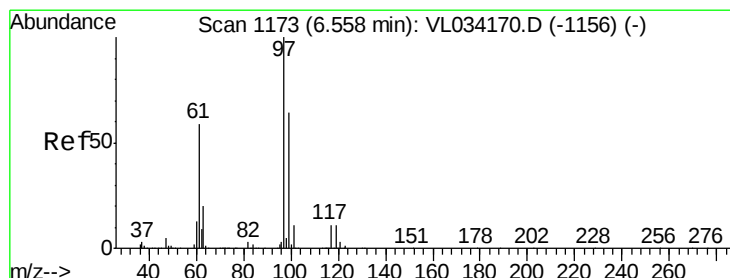
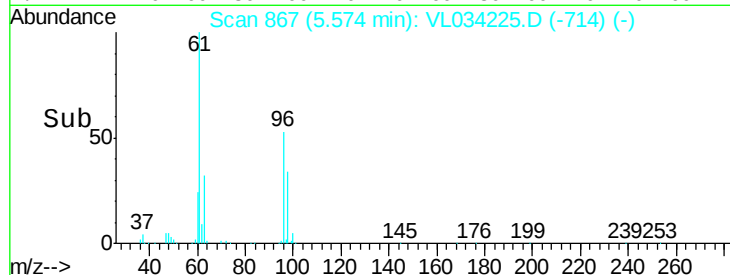
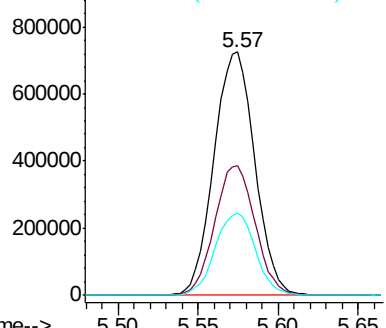
cis-1,2-Dichloroethene
 Concen: 10.728 ppbv
 RT: 5.57 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 61 Resp: 1264828
 Ion Ratio Lower Upper
 61 100
 96 53.0 43.0 64.4
 98 33.7 27.2 40.8



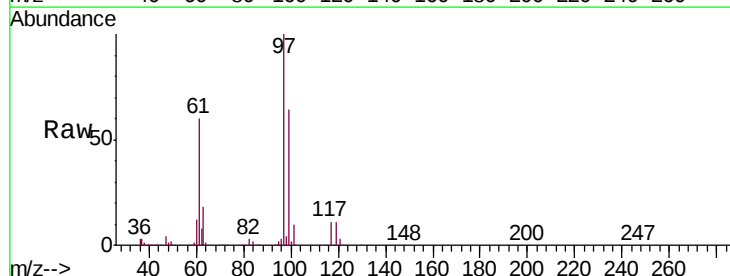
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



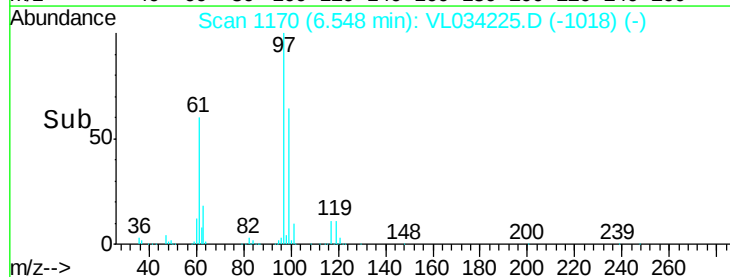
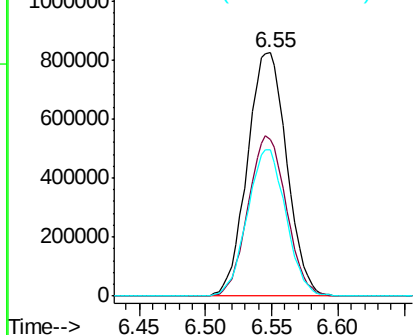
#32

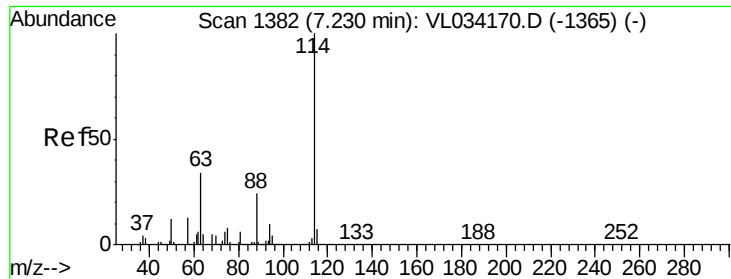
1,1,1-Trichloroethane
 Concen: 10.708 ppbv
 RT: 6.55 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 97 Resp: 1706856
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.4 77.2
 61 59.1 48.4 72.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

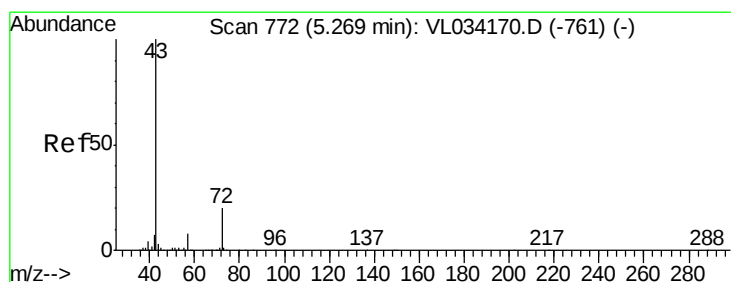
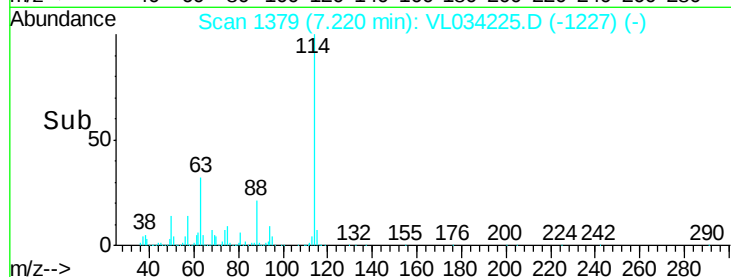
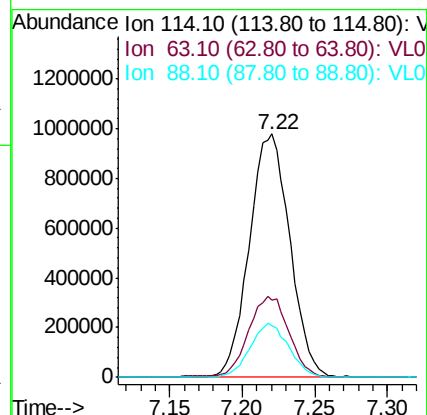
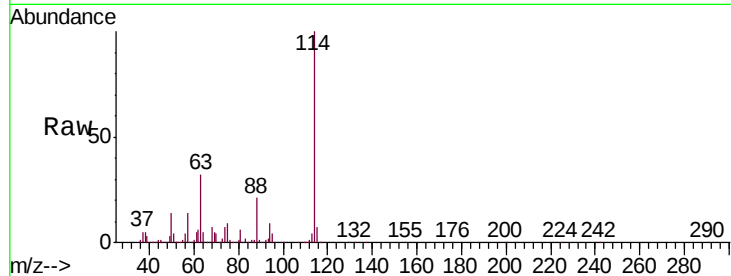




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

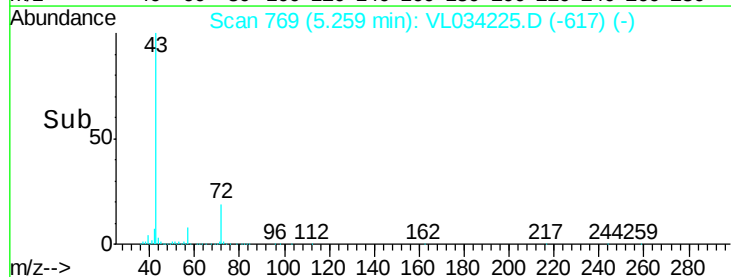
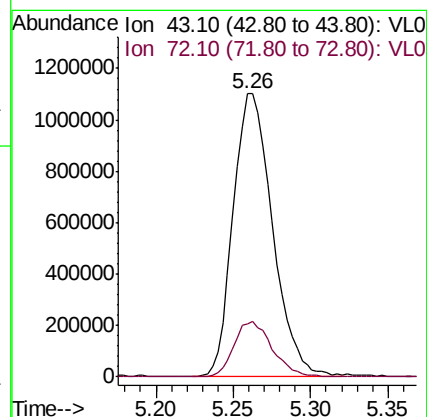
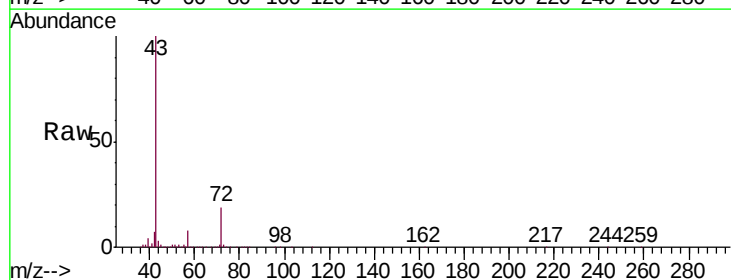
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

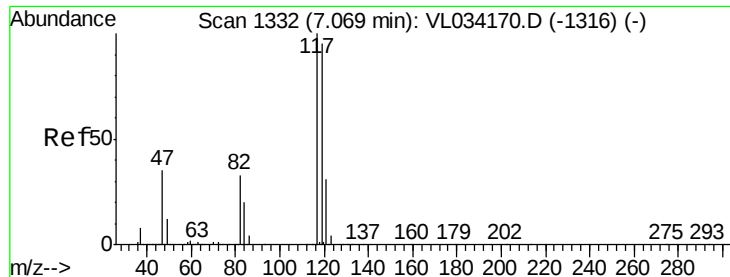
Tgt Ion: 114 Resp: 1904069
 Ion Ratio Lower Upper
 114 100
 63 33.8 27.8 41.6
 88 21.2 17.1 25.7



#34
 2-Butanone
 Concen: 9.978 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 43 Resp: 1939936
 Ion Ratio Lower Upper
 43 100
 72 19.1 15.0 22.6





#35

Carbon Tetrachloride

Concen: 10.697 ppbv

RT: 7.06 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

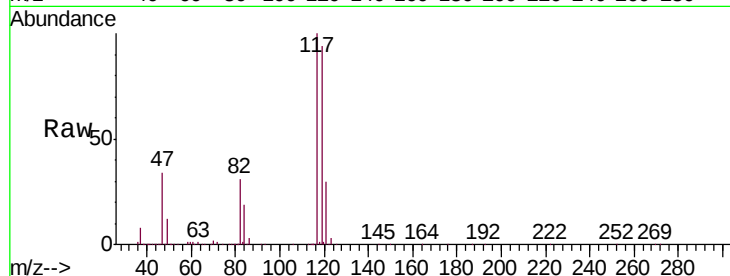
Tgt Ion:117 Resp: 1692098

Ion Ratio Lower Upper

117 100

119 94.5 75.8 113.6

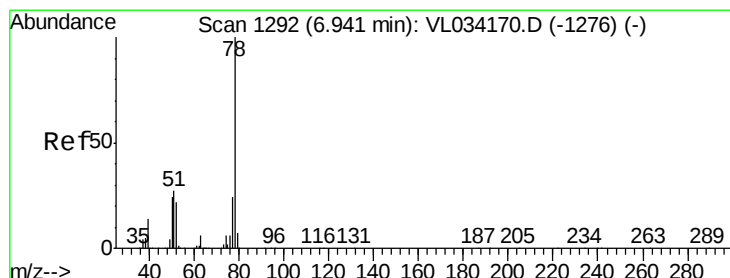
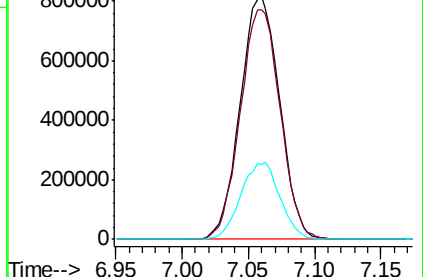
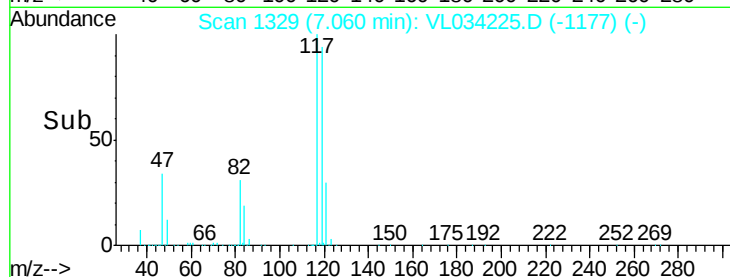
121 30.4 25.0 37.6



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: 10.054 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

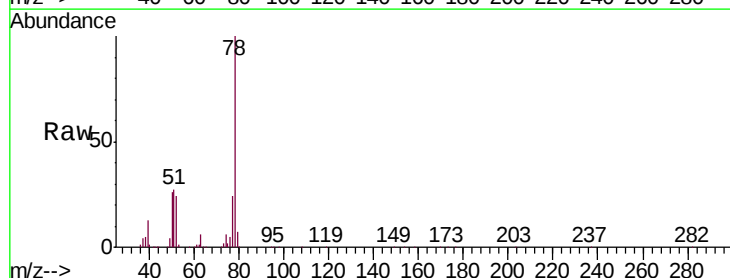
Tgt Ion: 78 Resp: 2114234

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4

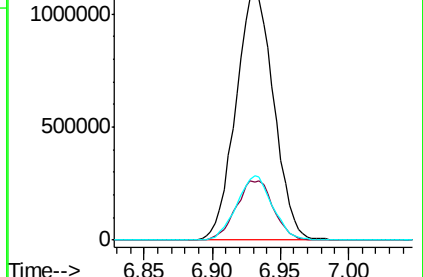
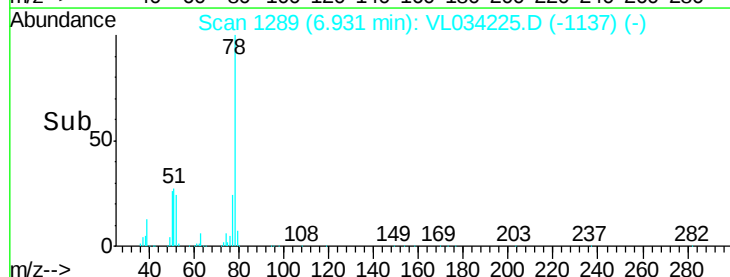
50 26.5 18.9 28.3

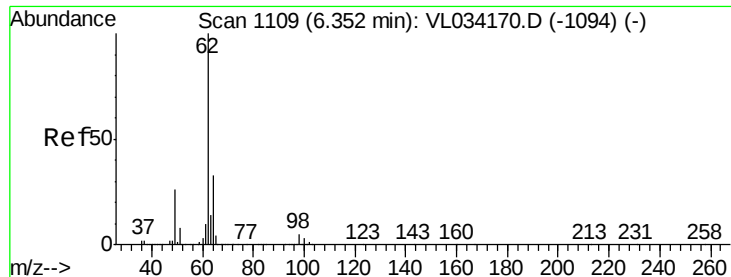


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

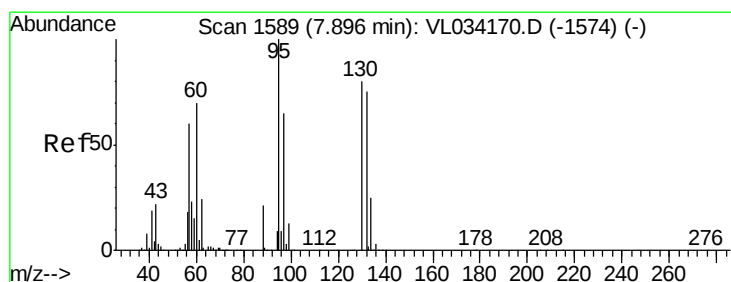
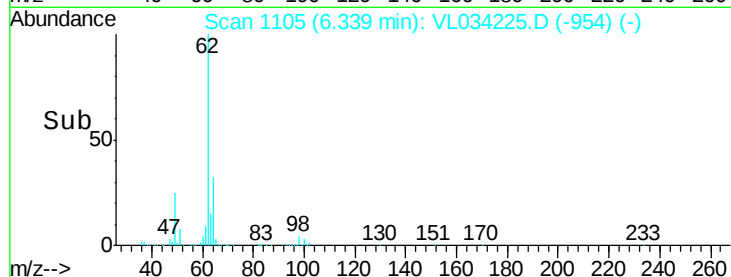
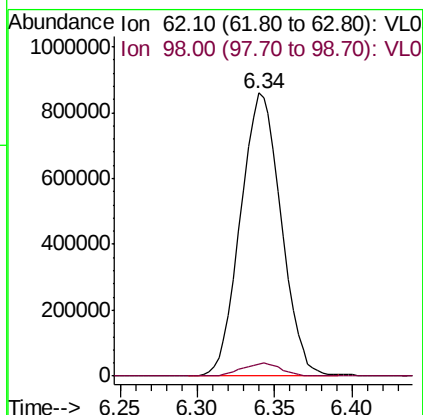
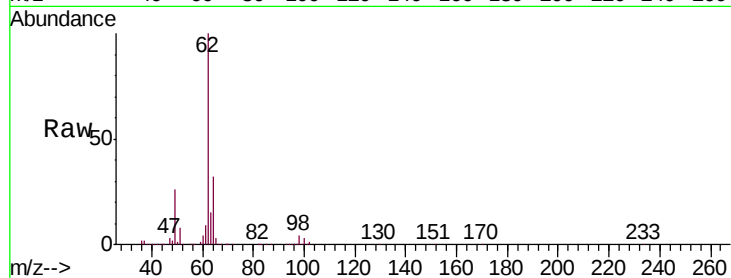




#37
 1,2-Dichloroethane
 Concen: 10.498 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

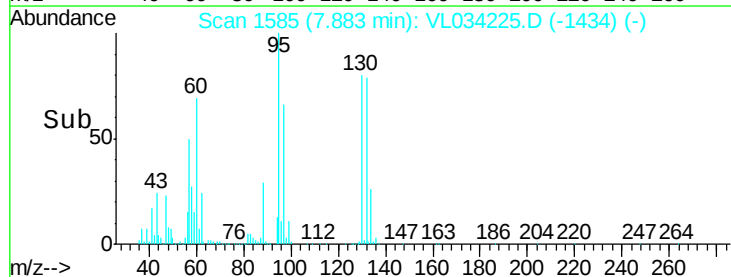
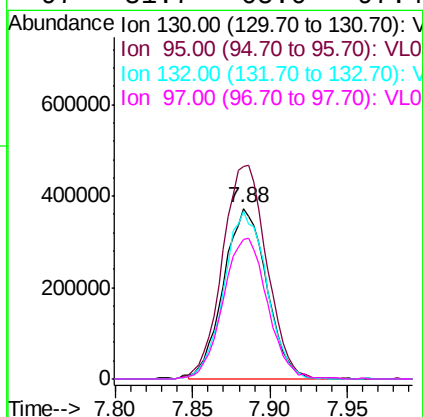
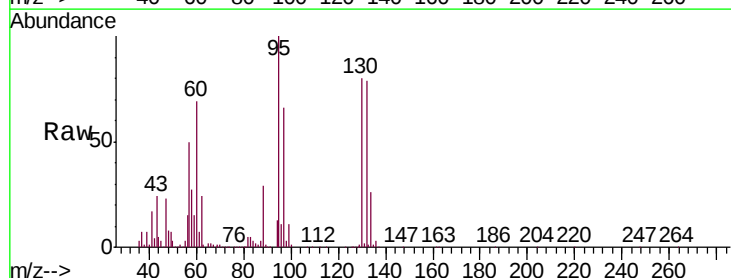
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

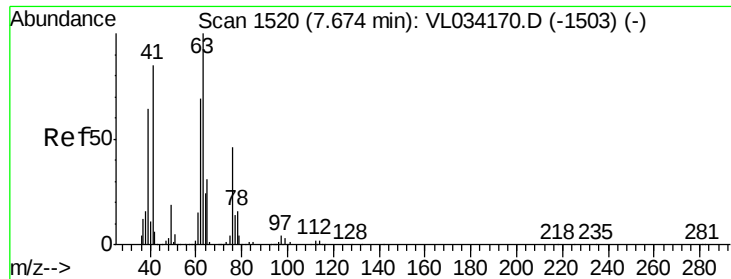
Tgt Ion: 62 Resp: 1570225
 Ion Ratio Lower Upper
 62 100
 98 4.6 3.8 5.8



#38
 Trichloroethene
 Concen: 9.507 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 130 Resp: 714305
 Ion Ratio Lower Upper
 130 100
 95 124.6 99.8 149.6
 132 98.2 75.2 112.8
 97 81.7 65.0 97.4

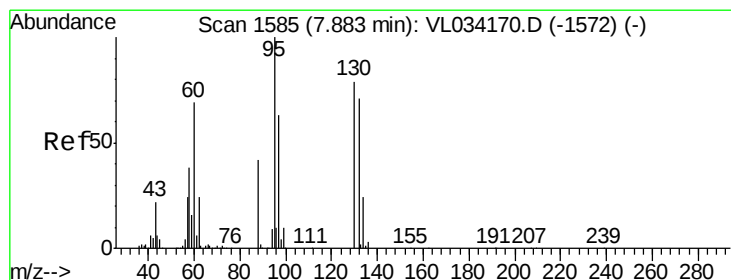
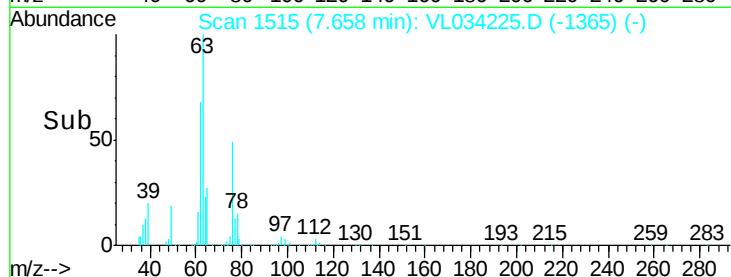
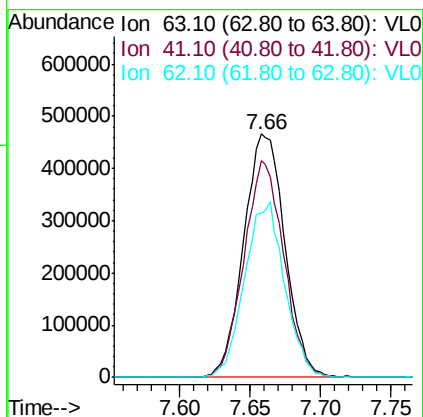
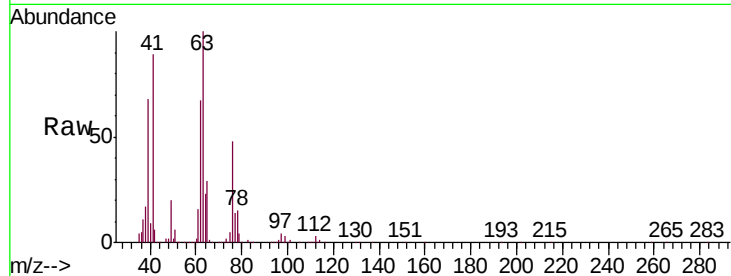




#39
 1,2-Dichloropropane
 Concen: 10.105 ppbv
 RT: 7.66 min Scan# 1515
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

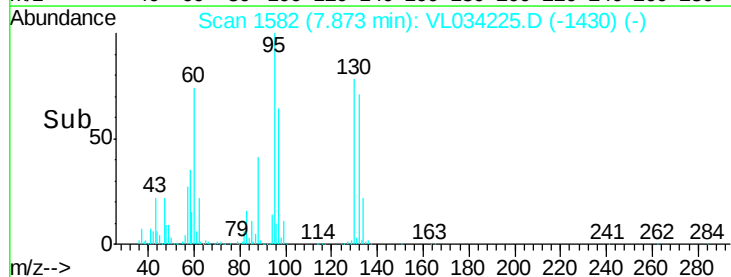
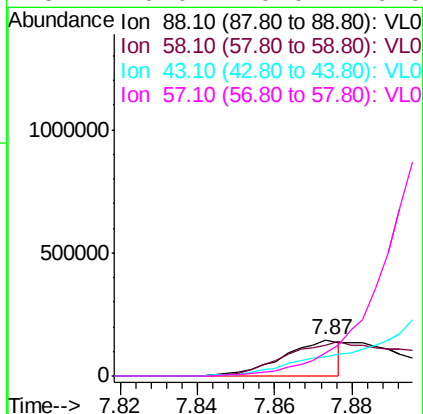
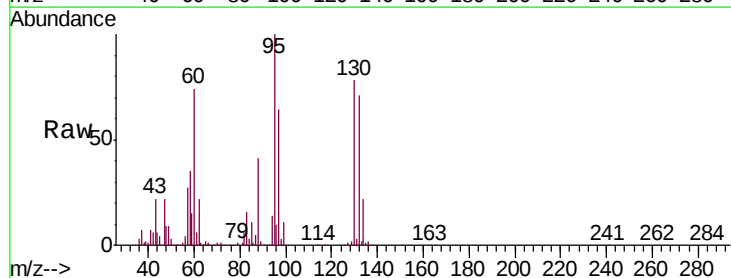
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

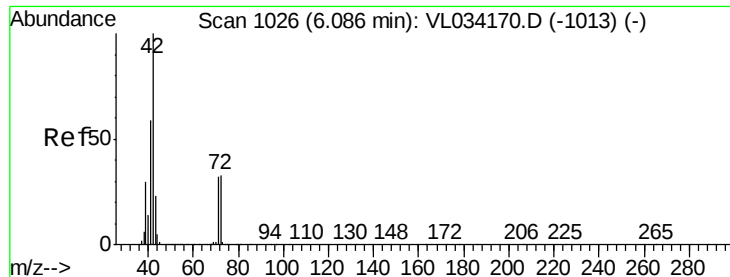
Tgt Ion	Ratio	Lower	Upper
63	100		
41	88.9	68.4	102.6
62	67.2	55.4	83.2



#40
 1,4-Dioxane
 Concen: 4.811 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	131.8	197.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

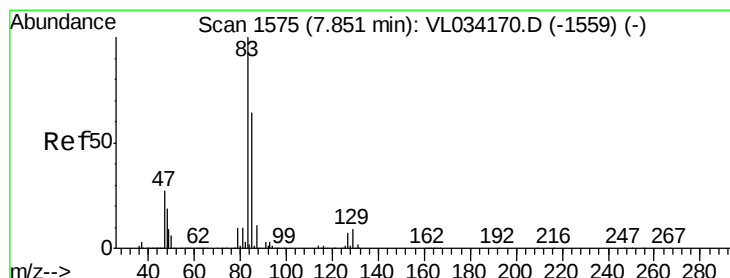
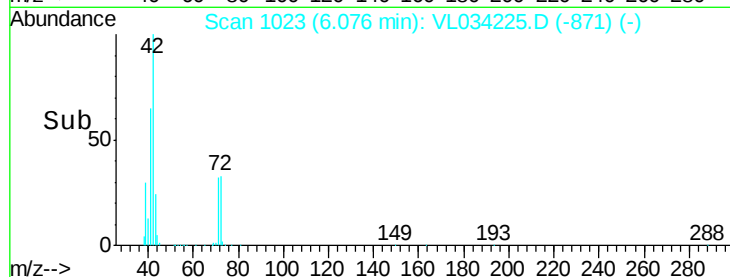
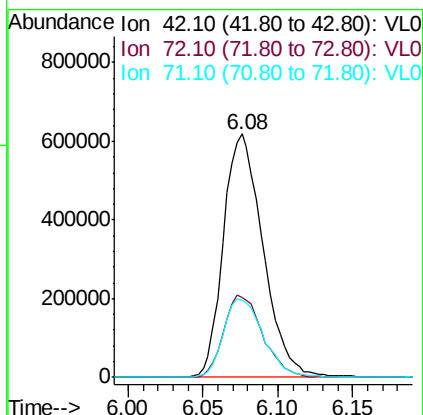
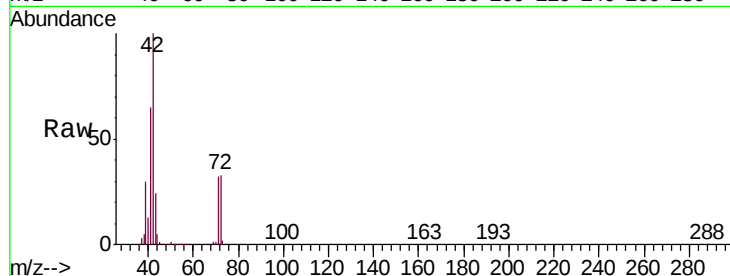




#41
Tetrahydrofuran
Concen: 10.408 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

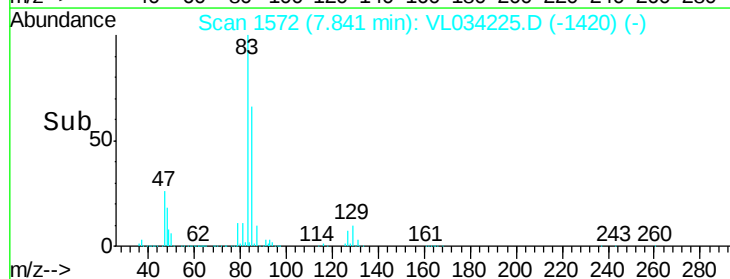
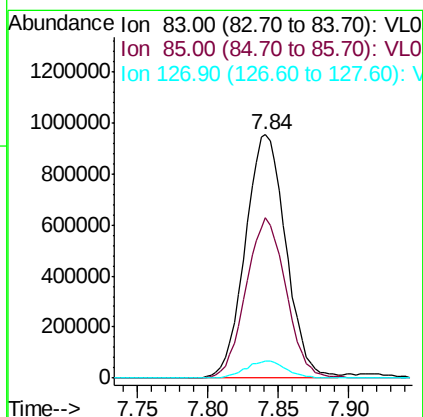
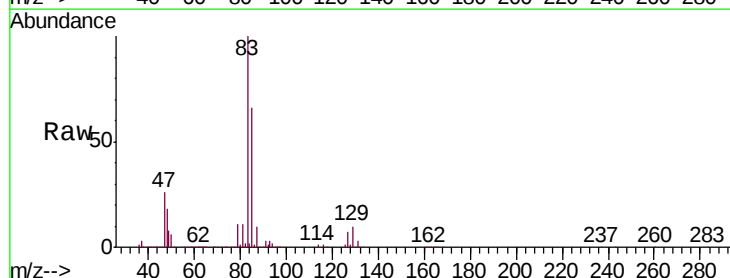
Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

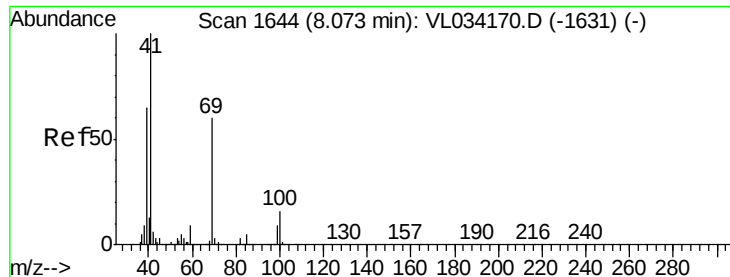
Tgt Ion: 42 Resp: 1139684
Ion Ratio Lower Upper
42 100
72 33.4 26.6 40.0
71 32.6 25.1 37.7



#42
Bromodichloromethane
Concen: 10.699 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 83 Resp: 1920573
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.0
127 6.8 5.5 8.3

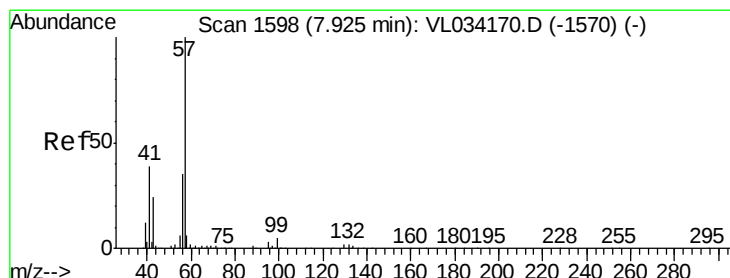
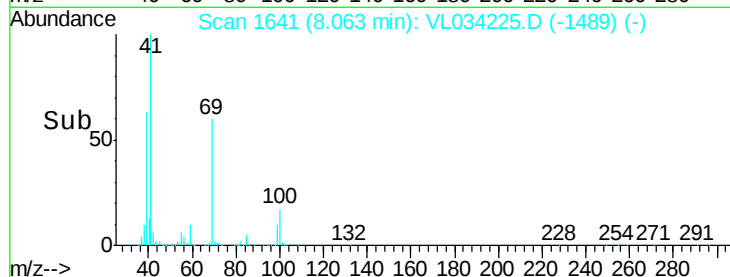
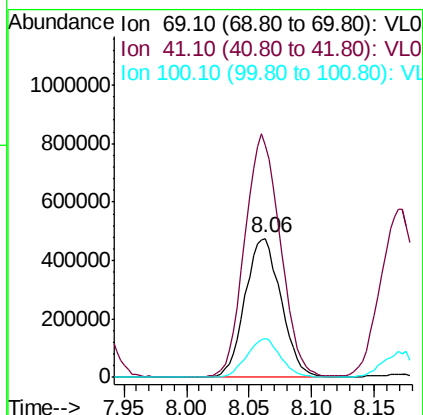
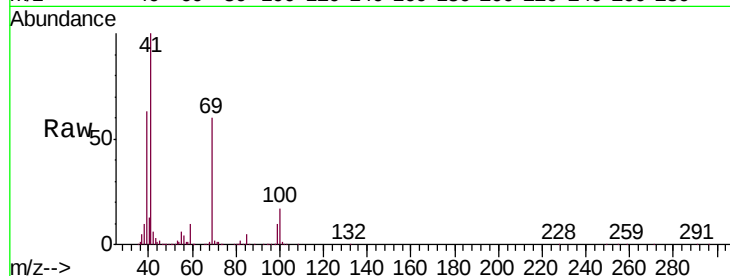




#43
Methyl Methacrylate
Concen: 10.965 ppbv
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

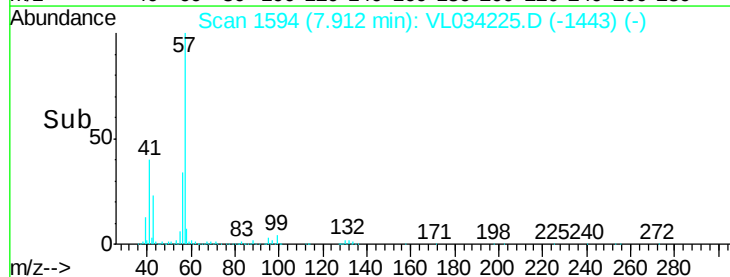
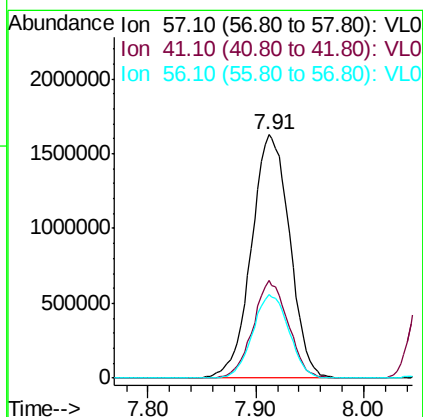
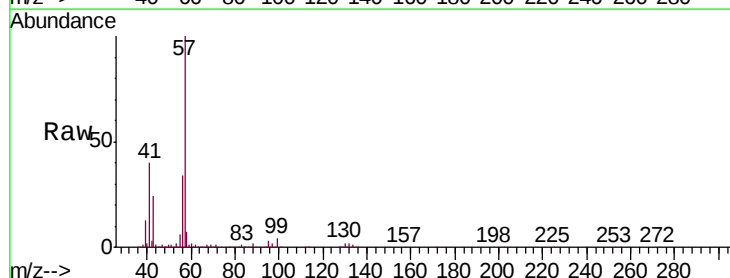
Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

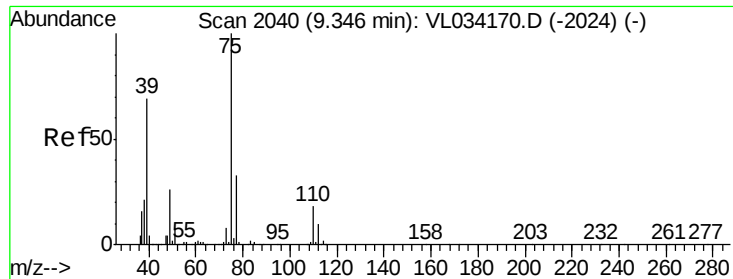
Tgt Ion: 69 Resp: 952506
Ion Ratio Lower Upper
69 100
41 173.2 140.4 210.6
100 26.3 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 9.874 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 57 Resp: 3997206
Ion Ratio Lower Upper
57 100
41 36.7 29.8 44.6
56 32.5 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 12.155 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

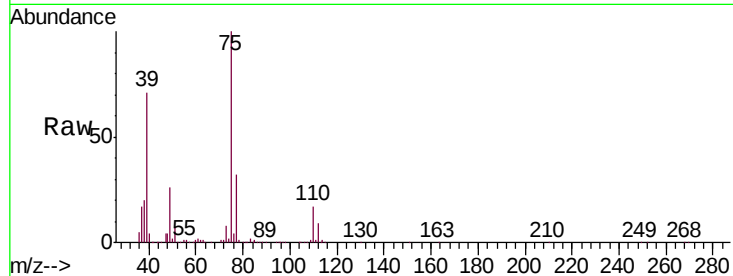
VL1007ABS01

Tgt Ion: 75 Resp: 1248540

Ion Ratio Lower Upper

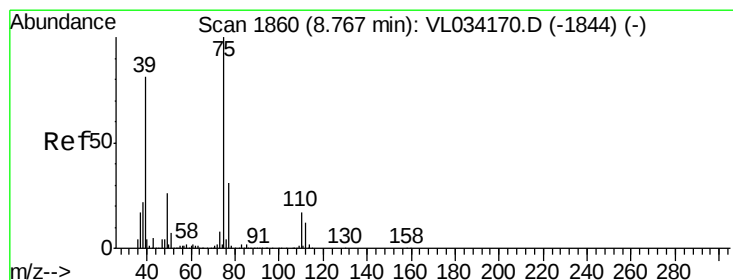
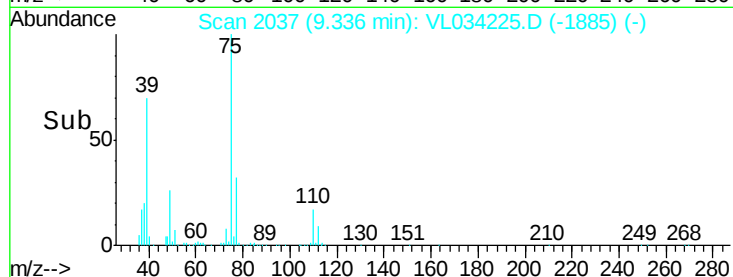
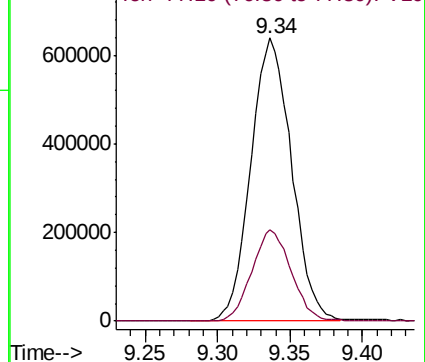
75 100

77 32.2 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.439 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

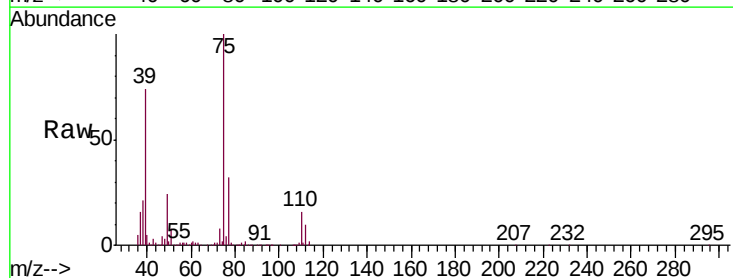
Tgt Ion: 75 Resp: 1413417

Ion Ratio Lower Upper

75 100

39 74.4 65.0 97.4

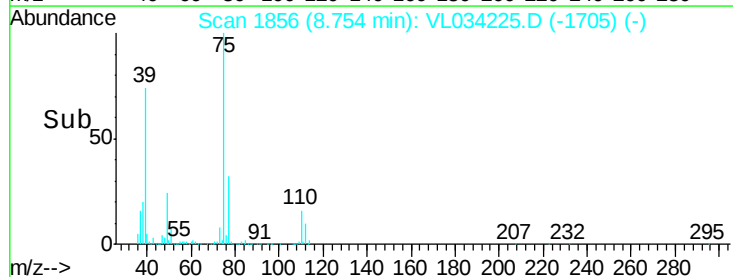
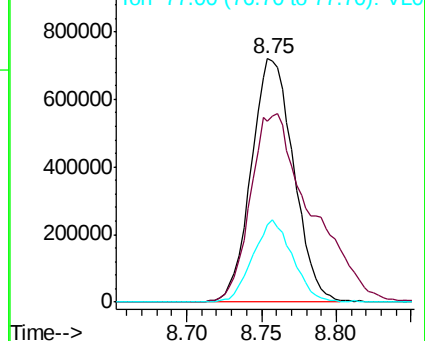
77 31.6 24.5 36.7

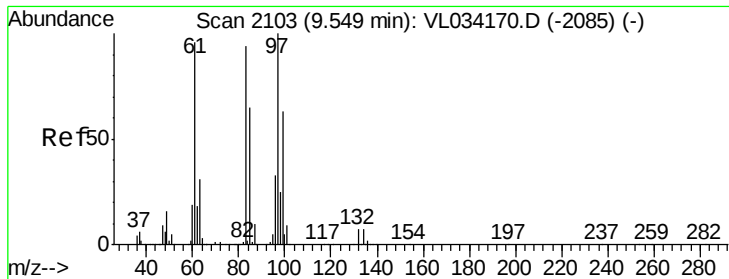


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



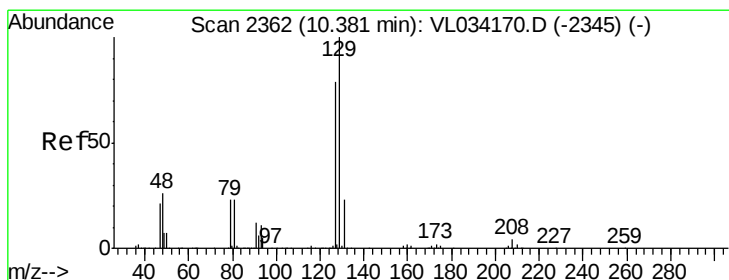
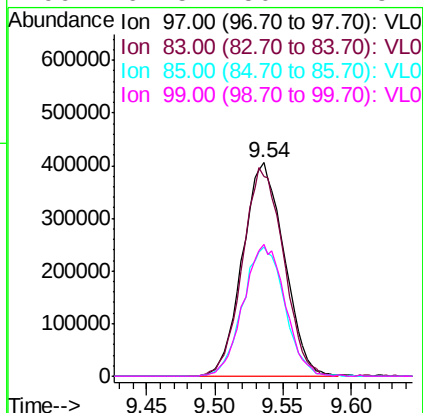
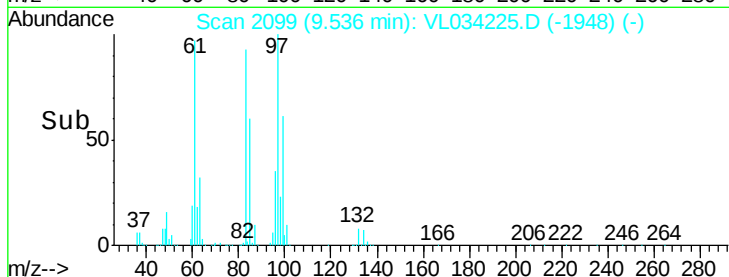
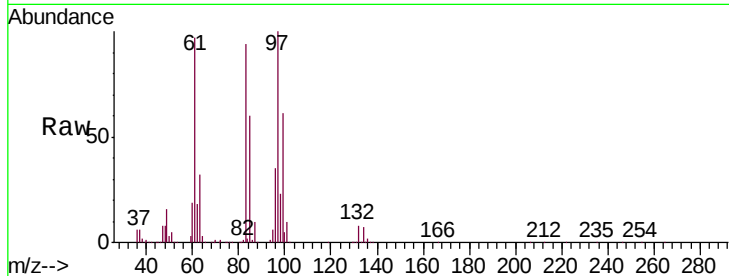


#47
 1,1,2-Trichloroethane
 Concen: 10.183 ppbv
 RT: 9.54 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 97 Resp: 863984

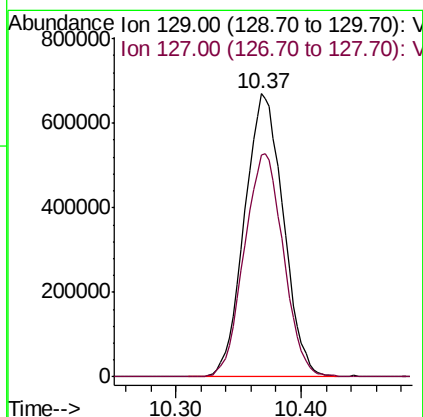
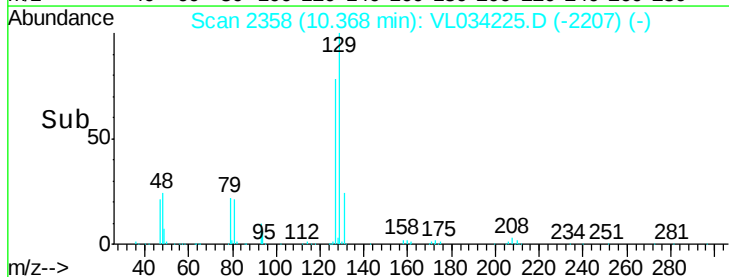
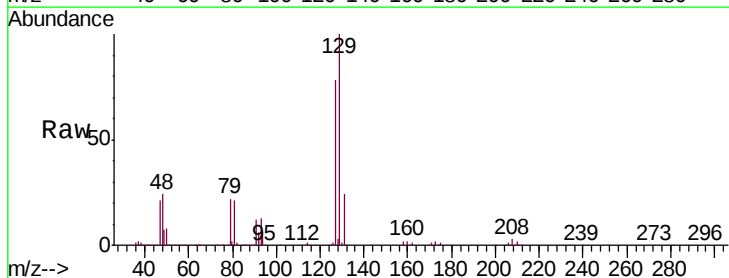
Ion	Ratio	Lower	Upper
97	100		
83	93.5	75.3	112.9
85	60.3	52.1	78.1
99	61.5	50.2	75.2

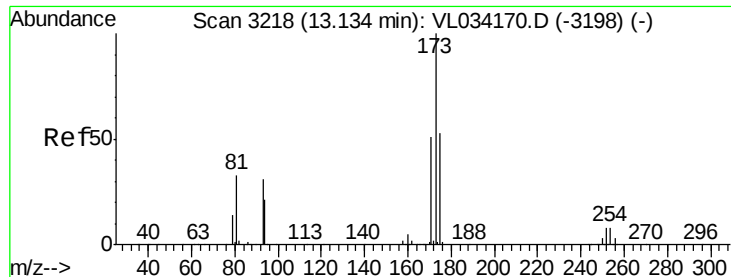


#48
 Dibromochloromethane
 Concen: 10.726 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 129 Resp: 1442362

Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.2	117.6

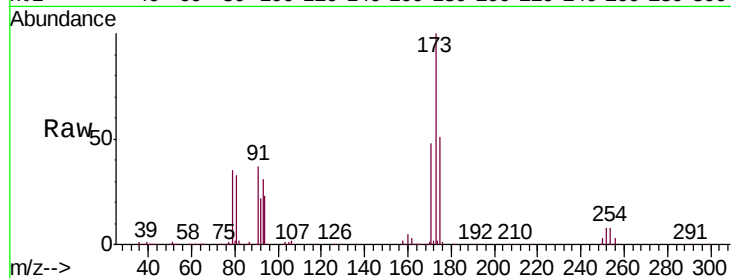




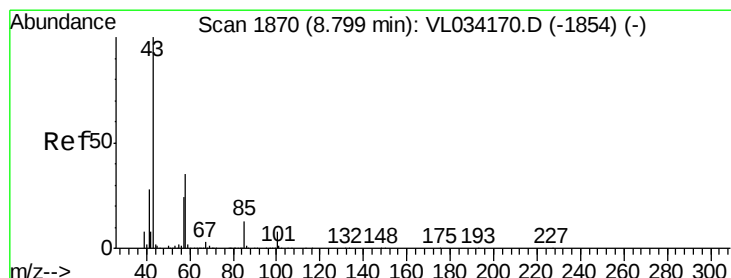
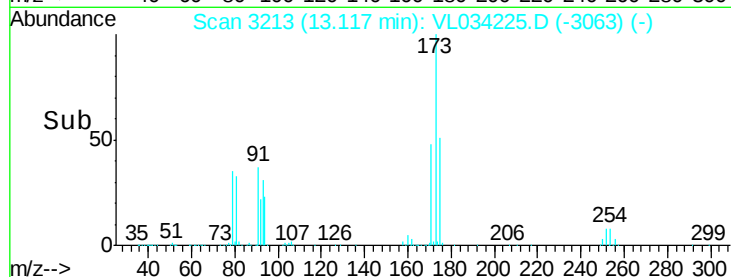
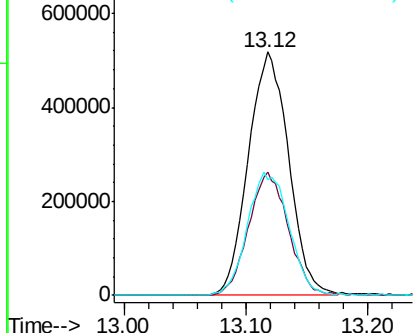
#49
Bromoform
Concen: 10.879 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. -0.02 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion:173 Resp: 1183892
Ion Ratio Lower Upper
173 100
175 49.9 40.3 60.5
171 52.8 42.0 63.0

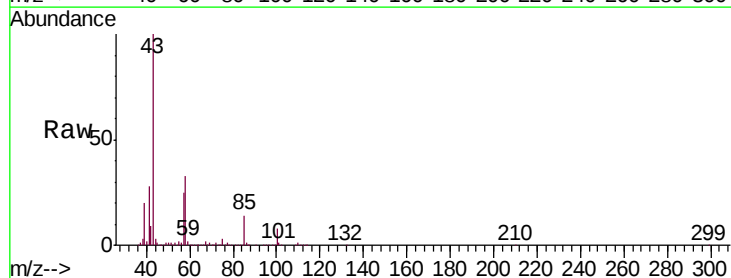


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

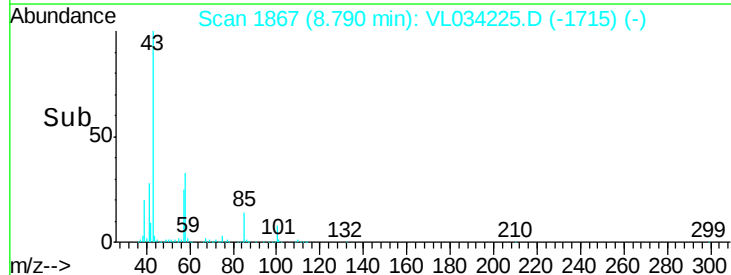
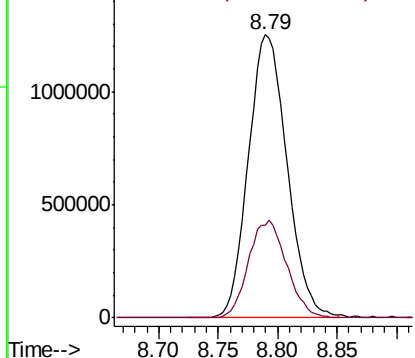


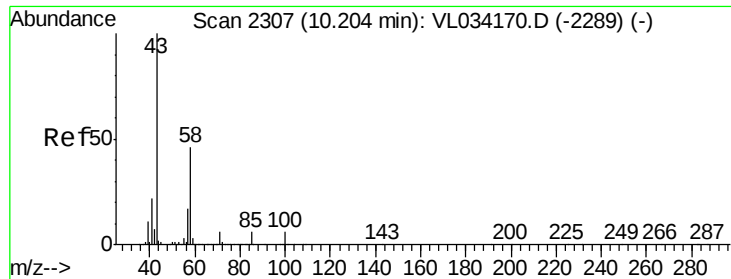
#50
4-Methyl-2-Pentanone
Concen: 9.966 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 43 Resp: 2819736
Ion Ratio Lower Upper
43 100
58 34.0 27.6 41.4



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





#51

2-Hexanone

Concen: 10.063 ppbv

RT: 10.19 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

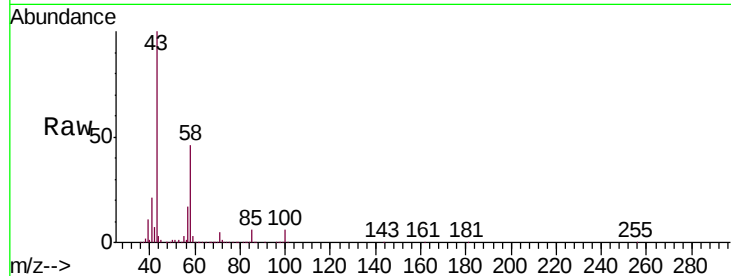
Tgt Ion: 43 Resp: 2389512

Ion Ratio Lower Upper

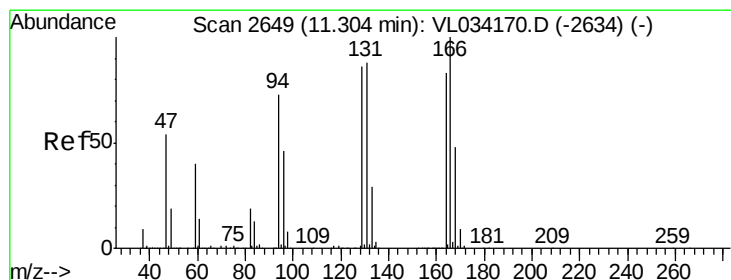
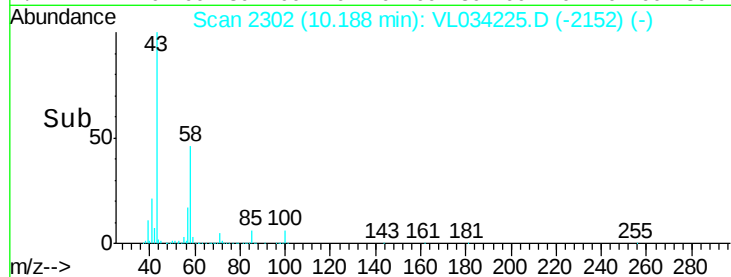
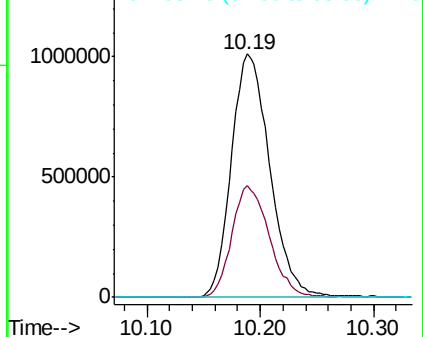
43 100

58 44.9 36.2 54.4

98 0.2 0.2 0.2



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



#52

Tetrachloroethene

Concen: 9.589 ppbv

RT: 11.29 min Scan# 2645

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Tgt Ion: 164 Resp: 666216

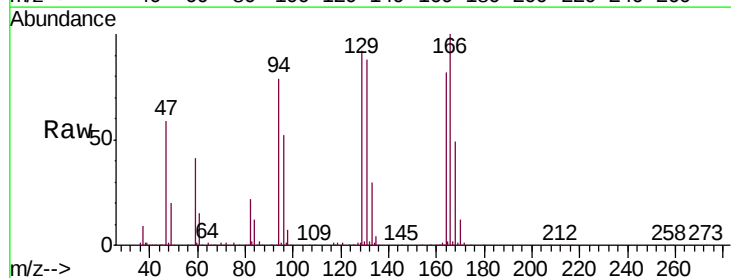
Ion Ratio Lower Upper

164 100

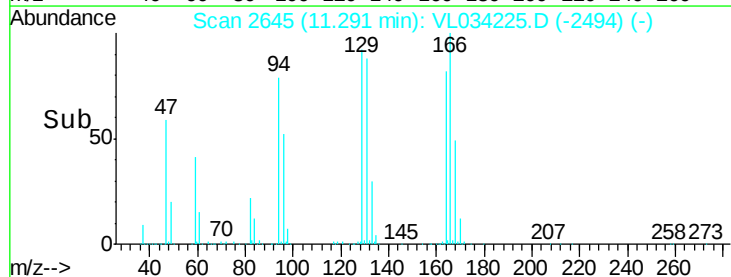
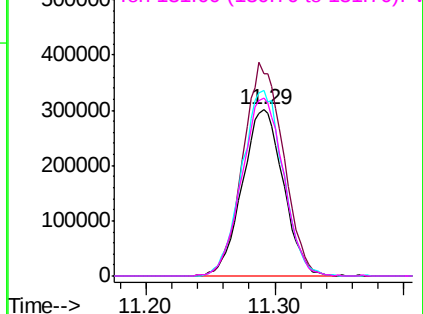
166 121.4 96.7 145.1

129 111.5 82.8 124.2

131 107.3 85.0 127.6



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: 10.220 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

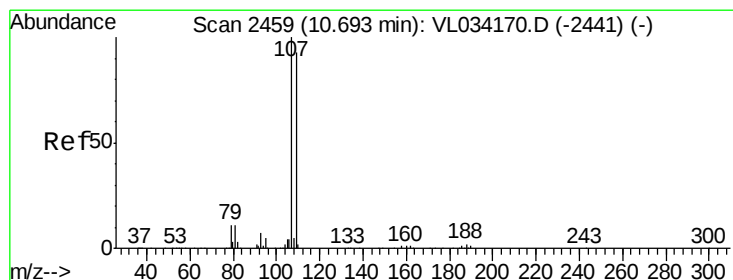
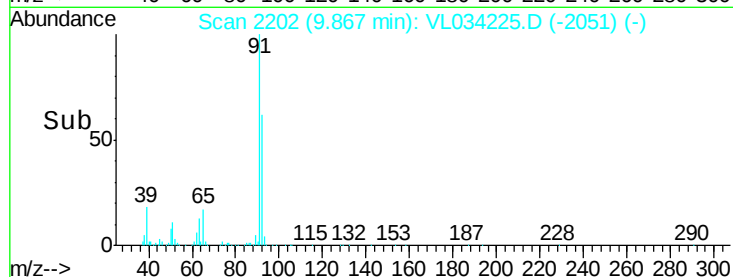
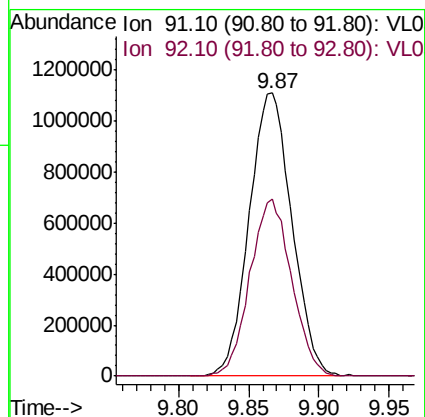
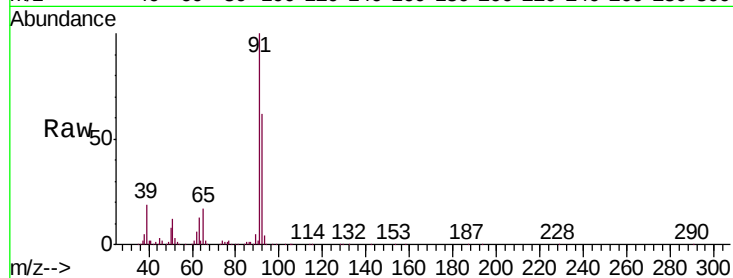
VL1007ABS01

Tgt Ion: 91 Resp: 2348832

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.263 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034225.D

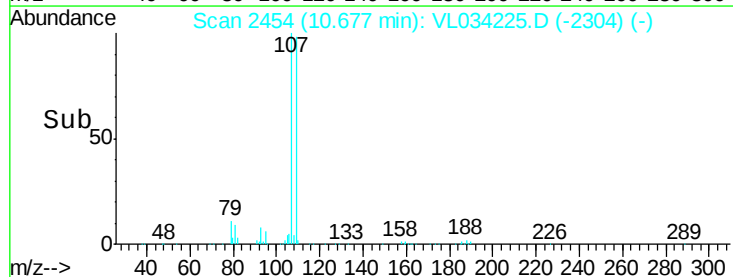
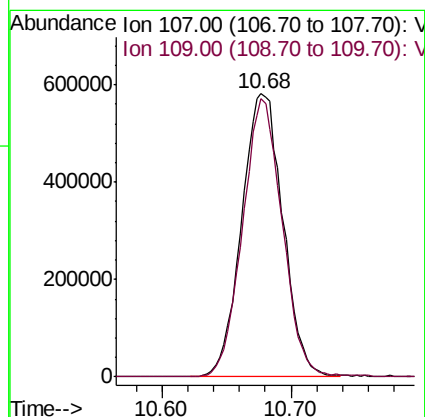
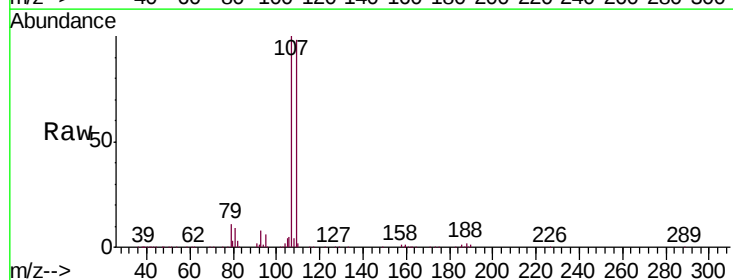
Acq: 7 Oct 2019 16:19

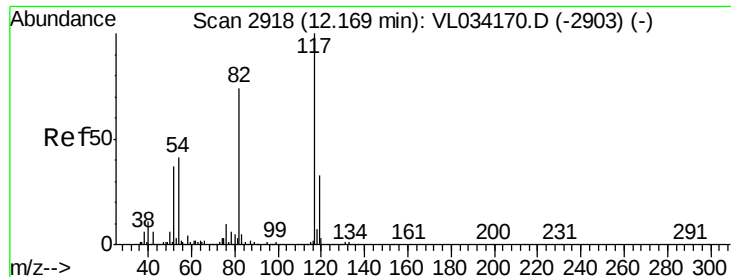
Tgt Ion: 107 Resp: 1295019

Ion Ratio Lower Upper

107 100

109 98.1 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

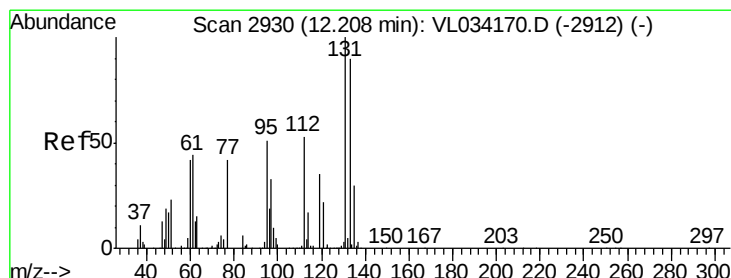
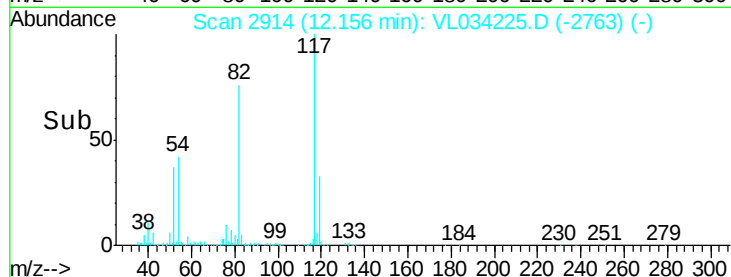
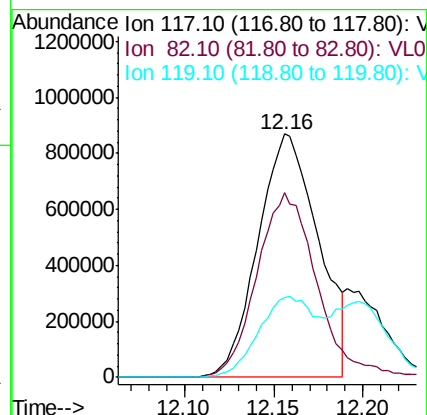
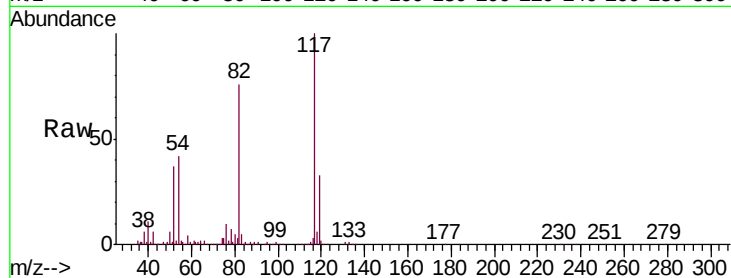
Tgt Ion:117 Resp: 2045923

Ion Ratio Lower Upper

117 100

82 76.4 58.2 87.4

119 30.3 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 10.218 ppbv

RT: 12.20 min Scan# 2928

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

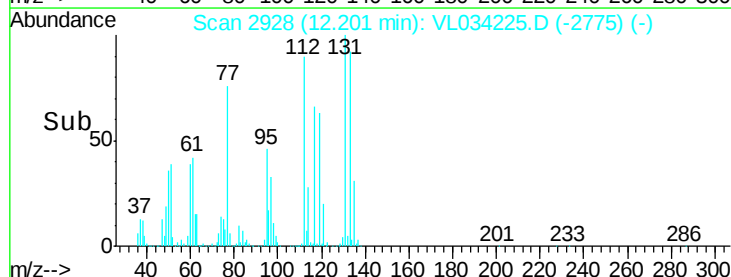
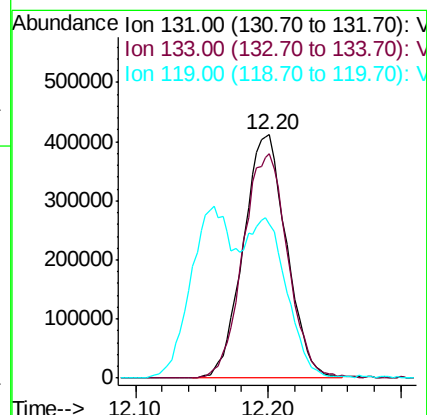
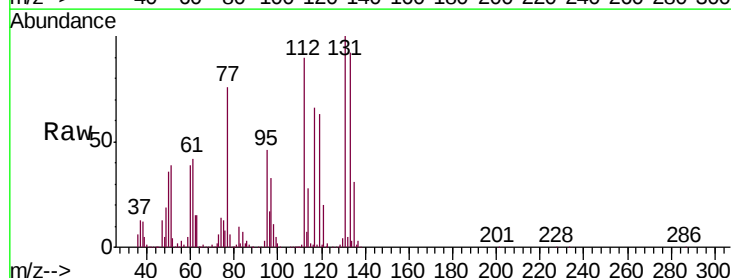
Tgt Ion:131 Resp: 932354

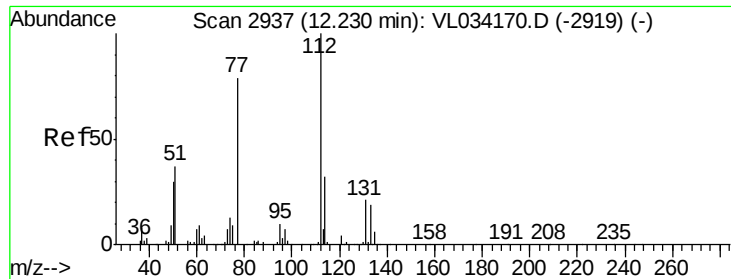
Ion Ratio Lower Upper

131 100

133 95.8 75.1 112.7

119 61.0 47.4 71.0





#57

Chlorobenzene

Concen: 9.377 ppbv

RT: 12.22 min Scan# 2933

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

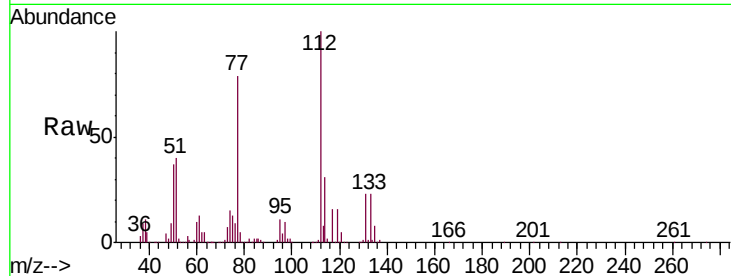
Tgt Ion: 112 Resp: 1670306

Ion Ratio Lower Upper

112 100

77 78.8 64.3 96.5

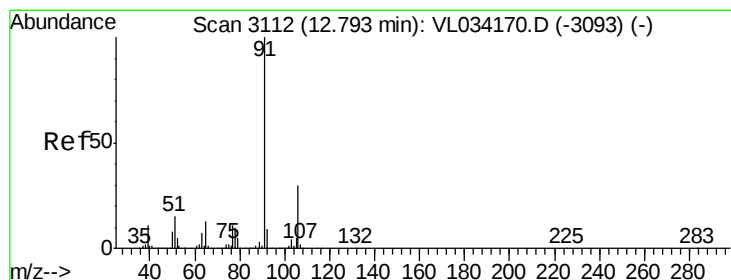
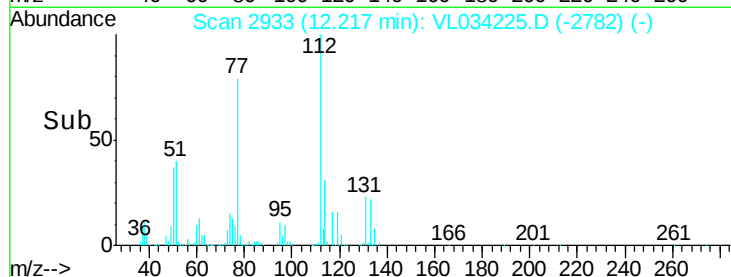
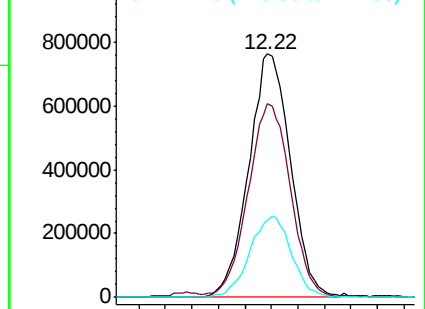
114 31.4 28.9 35.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.768 ppbv

RT: 12.78 min Scan# 3109

Delta R.T. -0.01 min

Lab File: VL034225.D

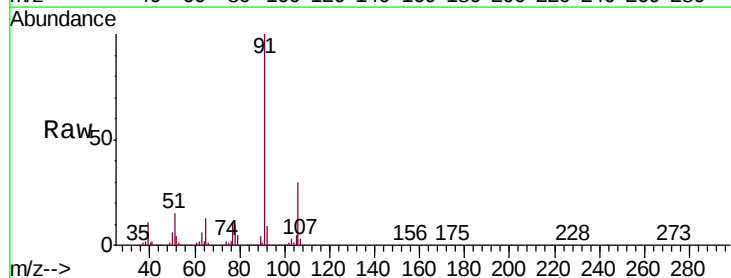
Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 3224546

Ion Ratio Lower Upper

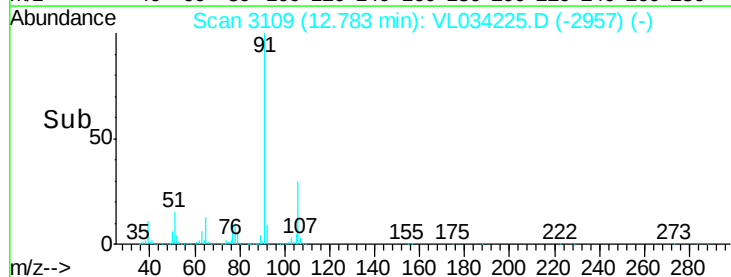
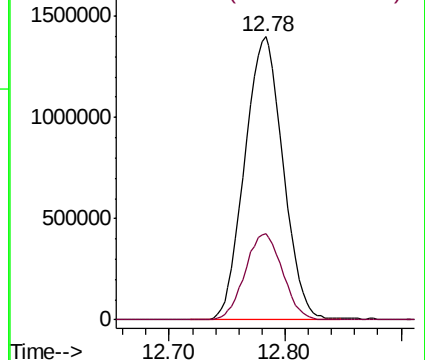
91 100

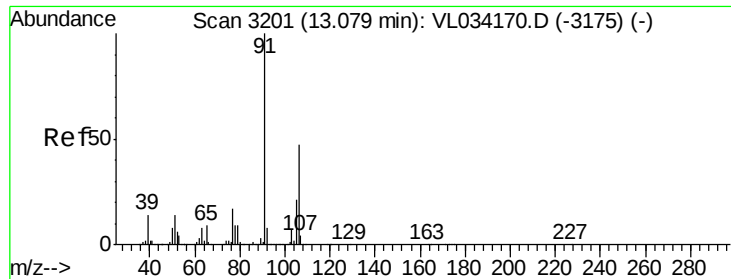
106 30.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

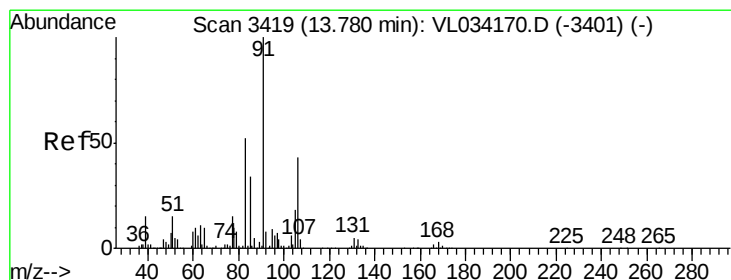
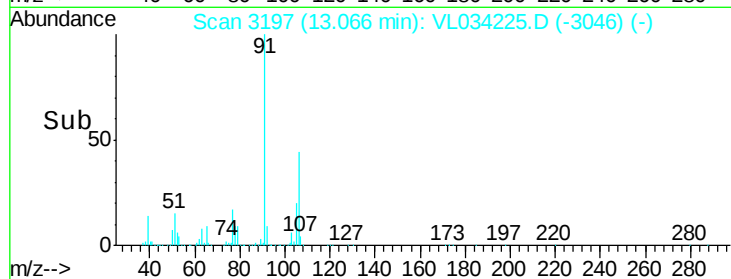
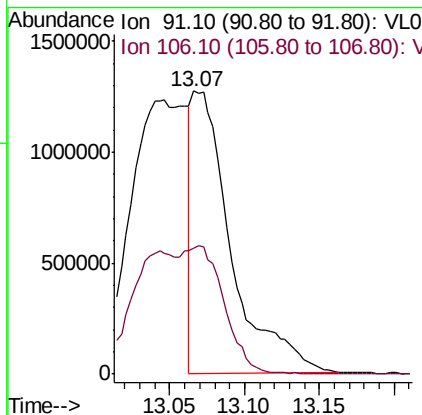
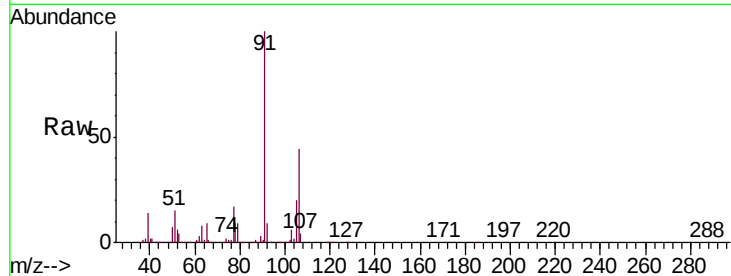




#59
m/p-Xylene
Concen: 8.377 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

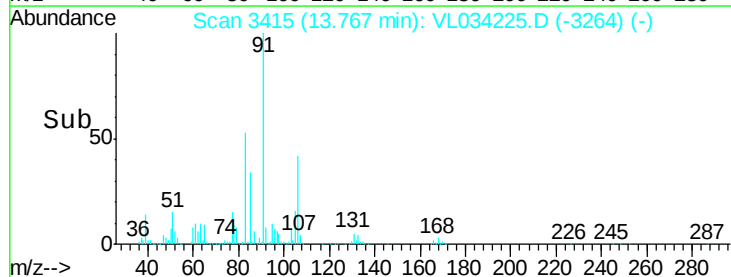
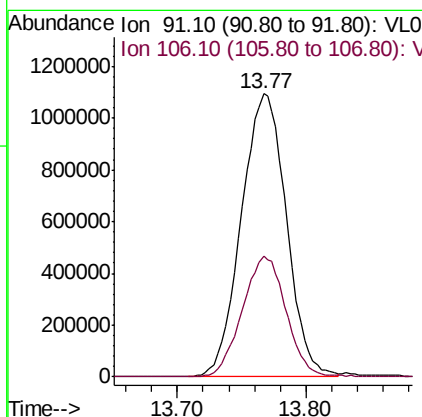
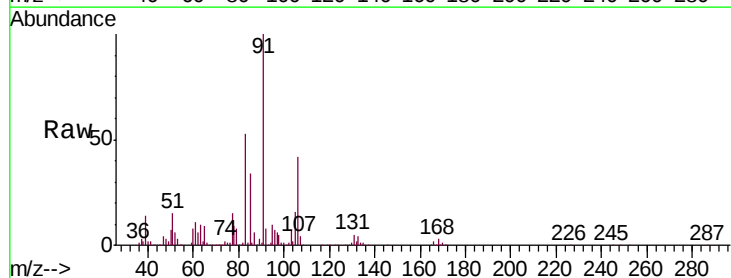
Instrument :
MSVOA_L
ClientSampled :
VL1007ABS01

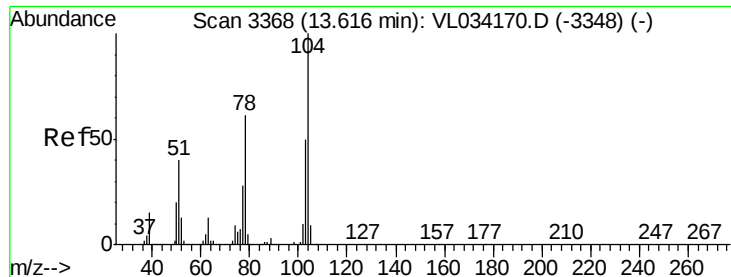
Tgt Ion: 91 Resp: 2290628
Ion Ratio Lower Upper
91 100
106 100.4 35.5 53.3#



#60
o-Xylene
Concen: 9.731 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 2660582
Ion Ratio Lower Upper
91 100
106 41.8 21.2 63.6

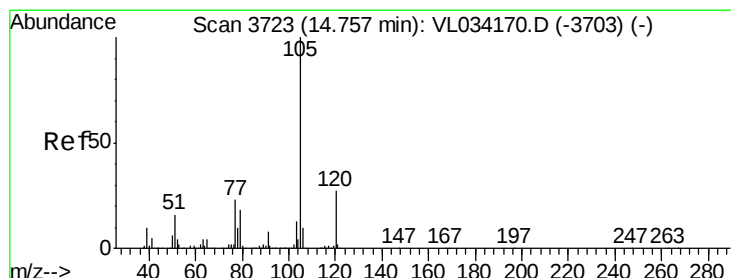
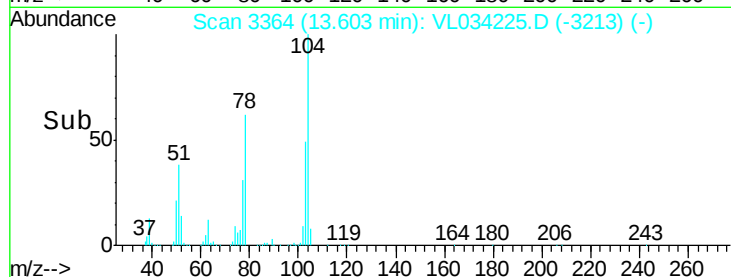
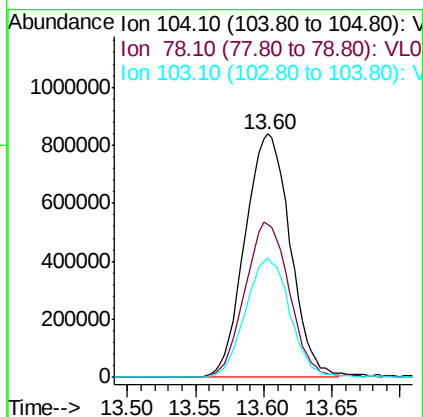
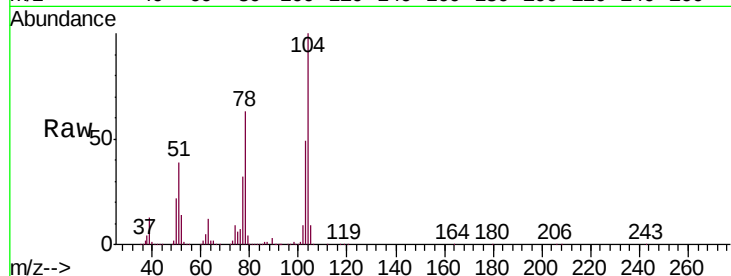




#61
Styrene
Concen: 9.858 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

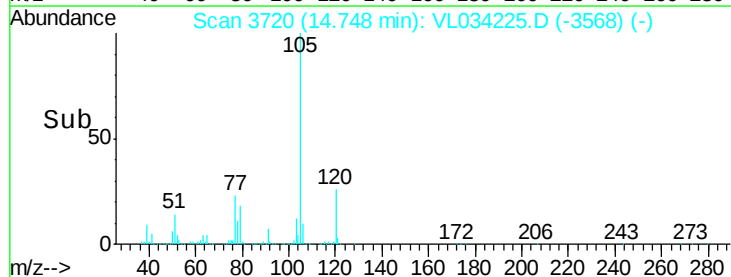
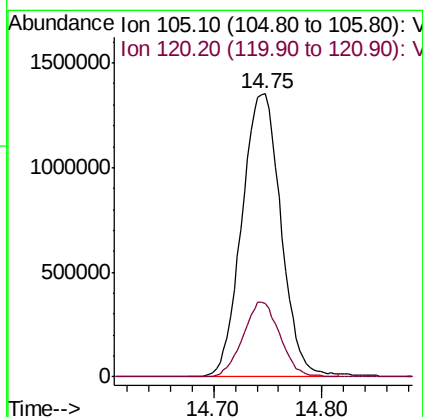
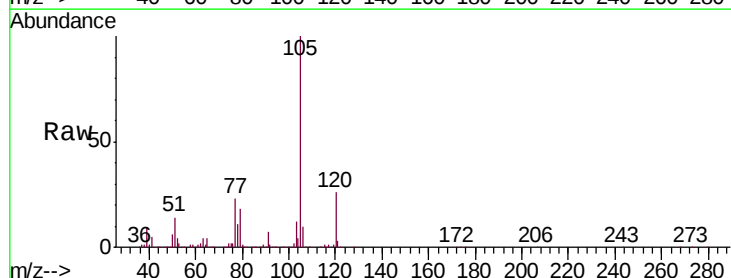
Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

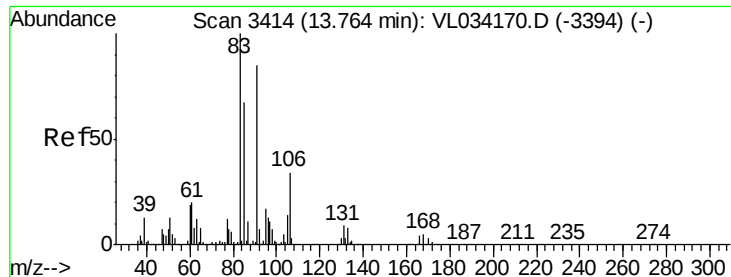
Tgt Ion:104 Resp: 1930628
Ion Ratio Lower Upper
104 100
78 63.4 49.7 74.5
103 48.6 38.4 57.6



#62
Isopropylbenzene
Concen: 9.627 ppbv
RT: 14.75 min Scan# 3720
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion:105 Resp: 3407284
Ion Ratio Lower Upper
105 100
120 25.1 20.7 31.1

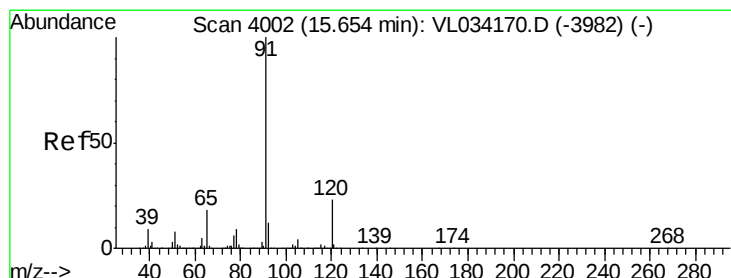
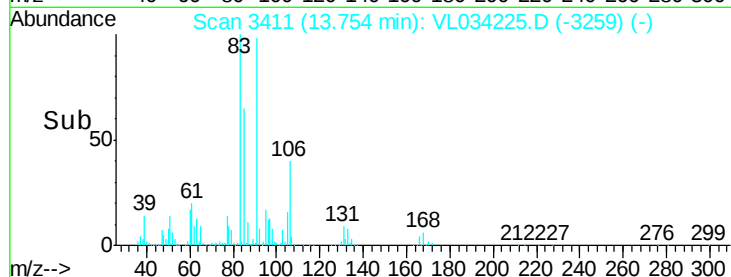
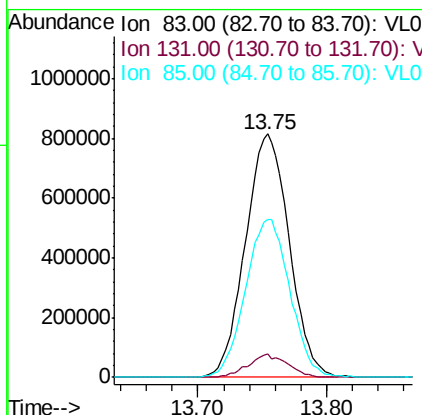
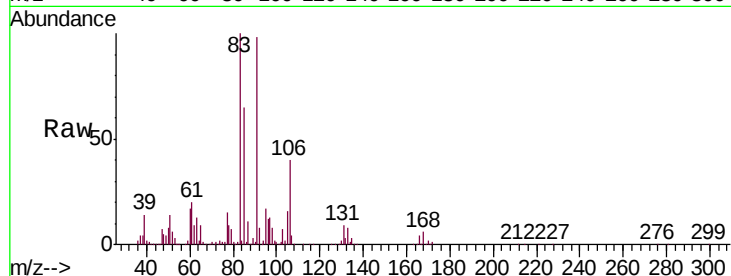




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.569 ppbv
 RT: 13.75 min Scan# 3411
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

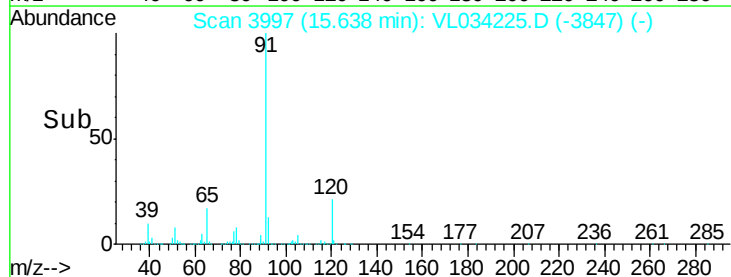
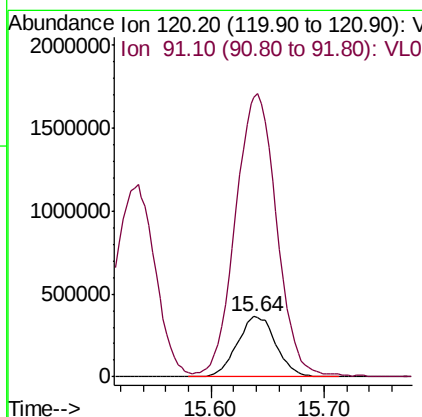
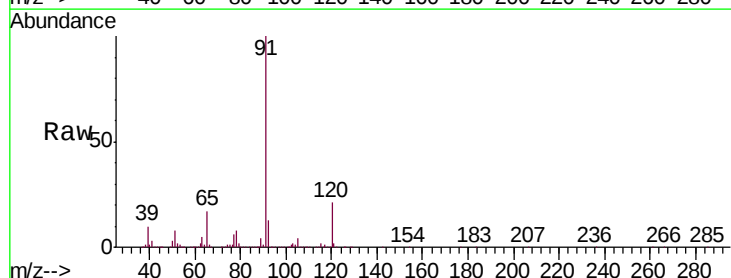
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

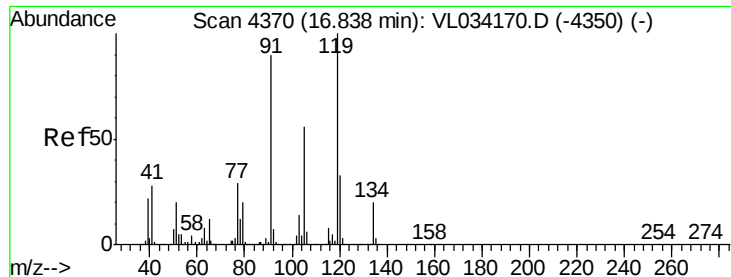
Tgt Ion: 83 Resp: 1921229
 Ion Ratio Lower Upper
 83 100
 131 8.7 4.3 12.8
 85 65.8 32.8 98.4



#64
 n-propylbenzene
 Concen: 9.644 ppbv
 RT: 15.64 min Scan# 3997
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 120 Resp: 863568
 Ion Ratio Lower Upper
 120 100
 91 502.8 378.2 567.2





#65

tert-Butylbenzene

Concen: 9.415 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

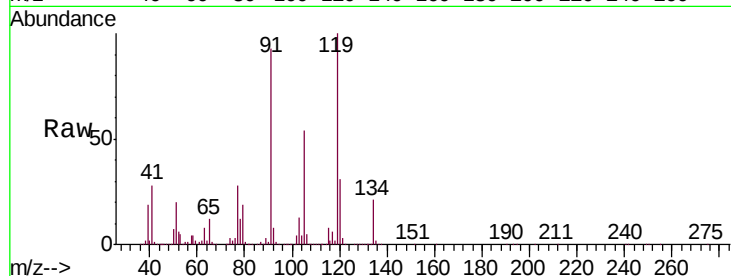
Tgt Ion:119 Resp: 2911627

Ion Ratio Lower Upper

119 100

91 93.4 74.9 112.3

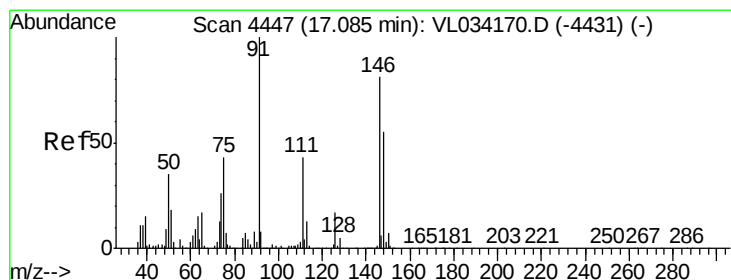
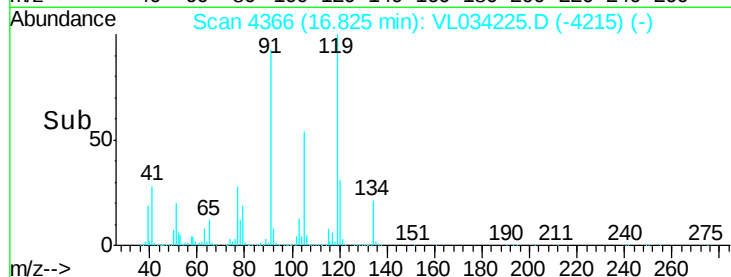
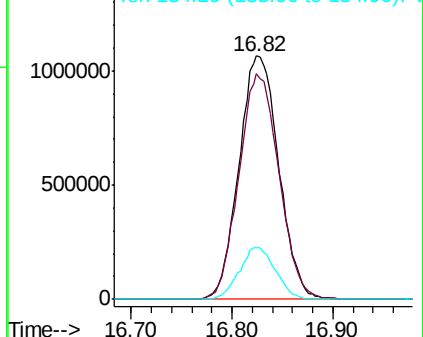
134 19.5 15.8 23.6



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: 12.921 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

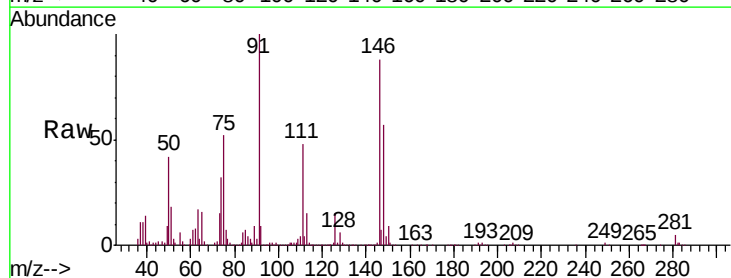
Tgt Ion: 91 Resp: 1413712

Ion Ratio Lower Upper

91 100

126 15.3 12.6 19.0

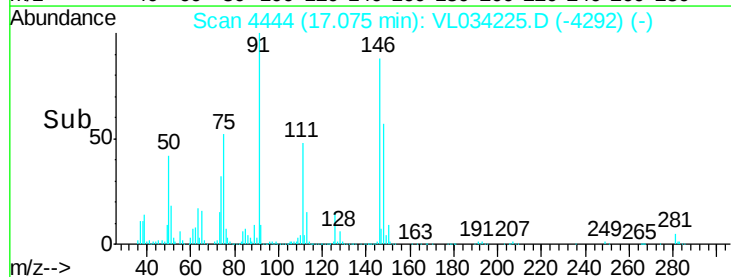
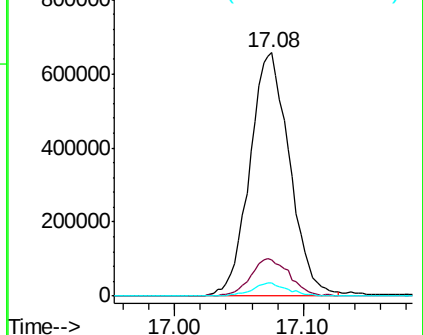
128 4.9 4.0 6.0

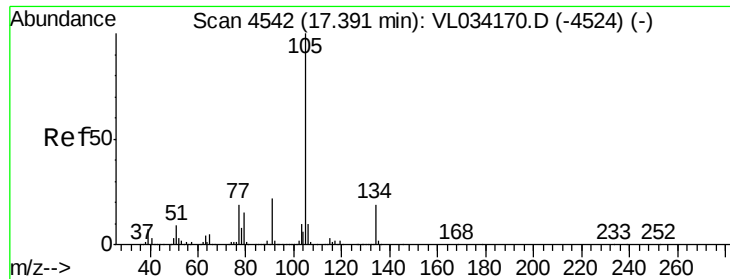


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

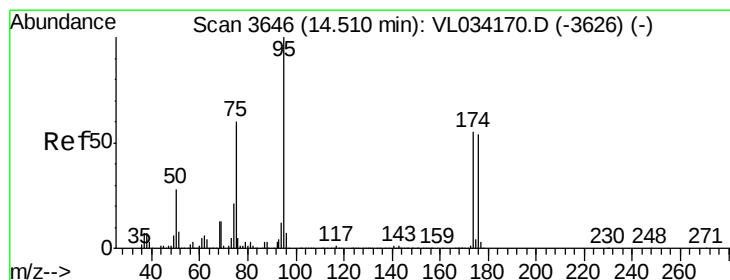
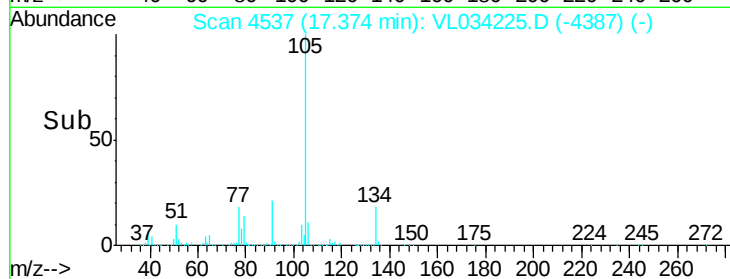
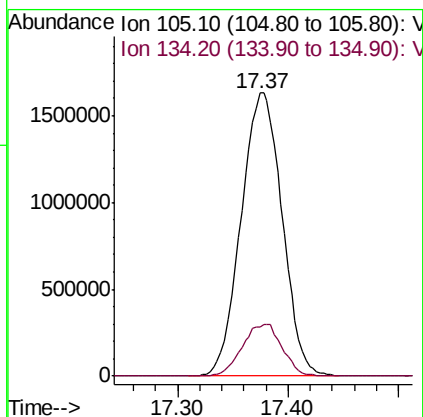
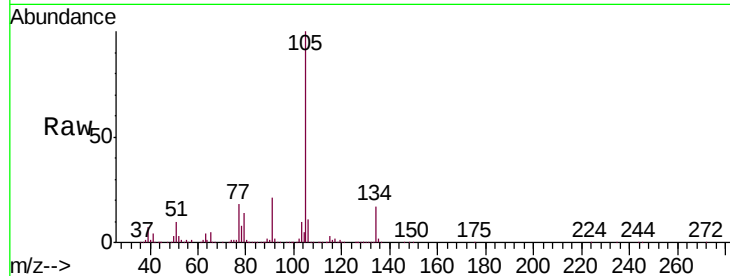




#67
 sec-Butylbenzene
 Concen: 9.528 ppbv
 RT: 17.37 min Scan# 4537
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

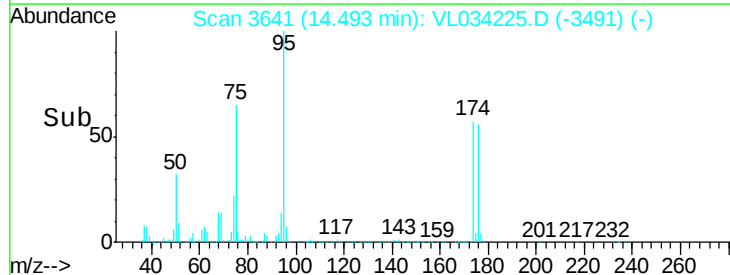
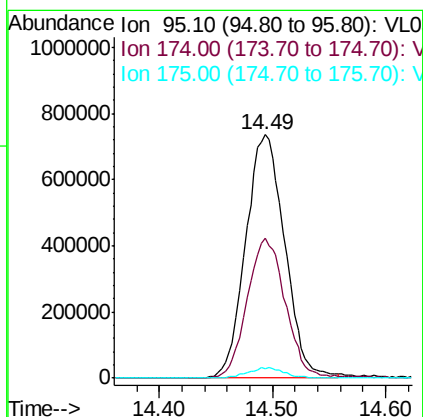
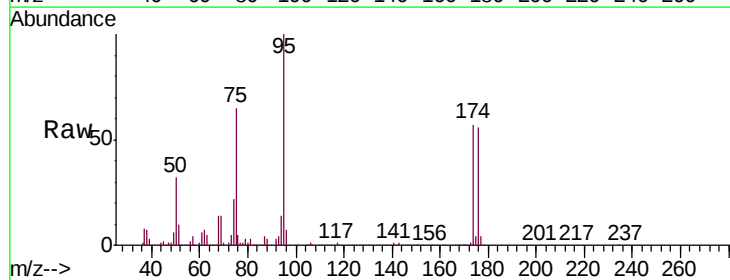
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

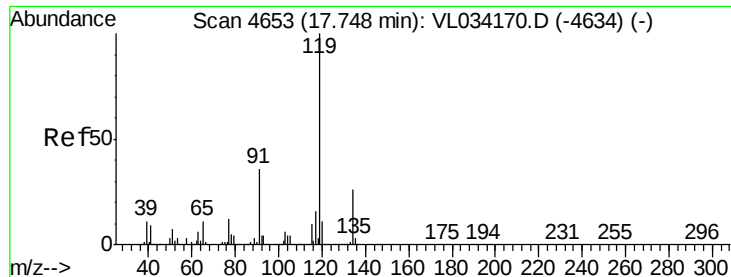
Tgt Ion: 105 Resp: 4213379
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.916 ppbv
 RT: 14.49 min Scan# 3641
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 95 Resp: 1762853
 Ion Ratio Lower Upper
 95 100
 174 56.8 45.1 67.7
 175 4.0 3.3 4.9

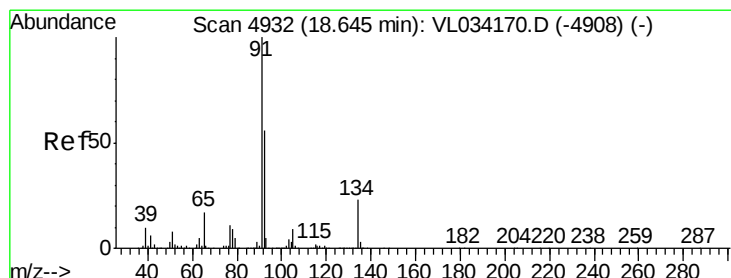
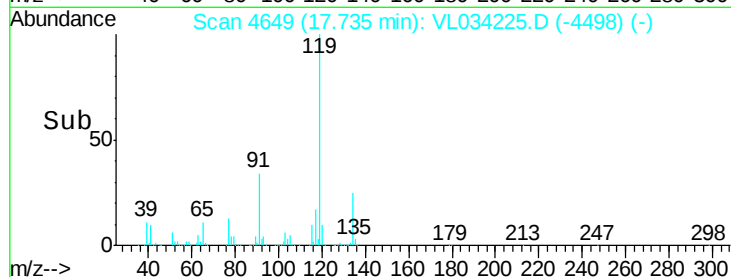
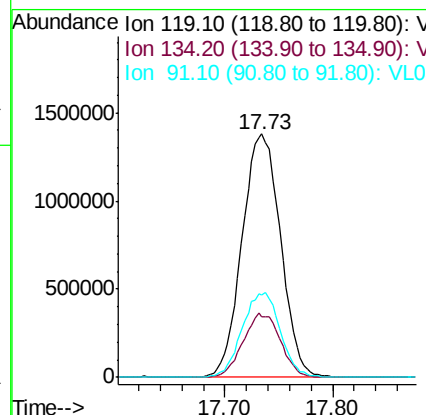
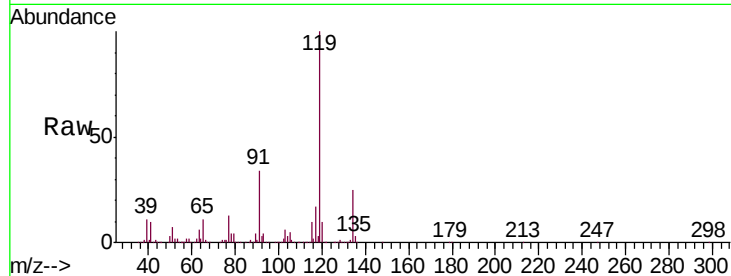




#69
 p-Isopropyltoluene
 Concen: 9.539 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

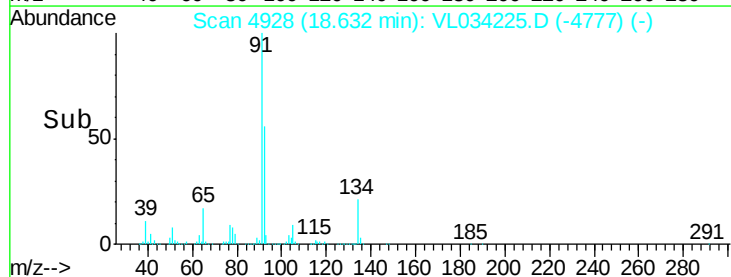
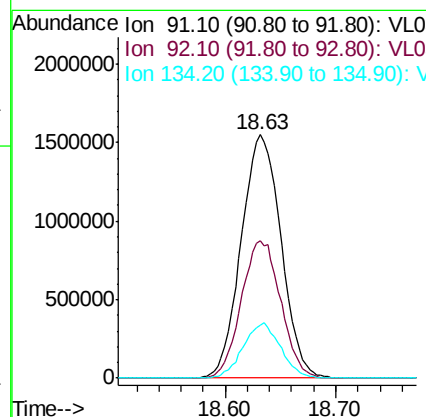
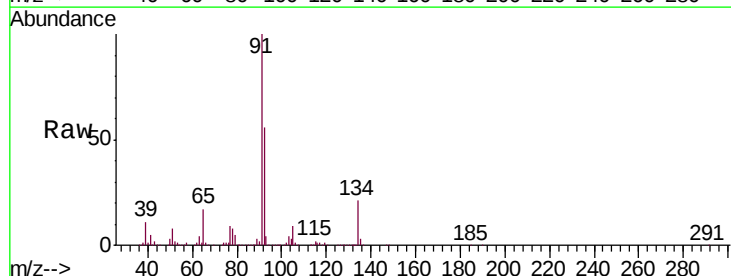
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

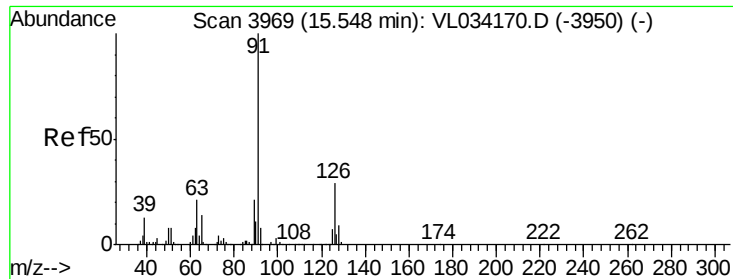
Tgt Ion: 119 Resp: 3415678
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 34.4 27.6 41.4



#70
 n-Butylbenzene
 Concen: 9.279 ppbv
 RT: 18.63 min Scan# 4928
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 3868885
 Ion Ratio Lower Upper
 91 100
 92 56.1 44.8 67.2
 134 21.3 17.3 25.9

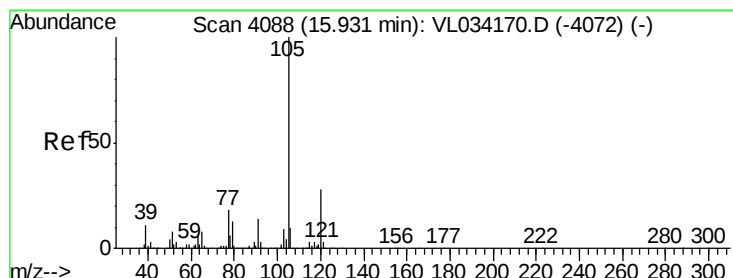
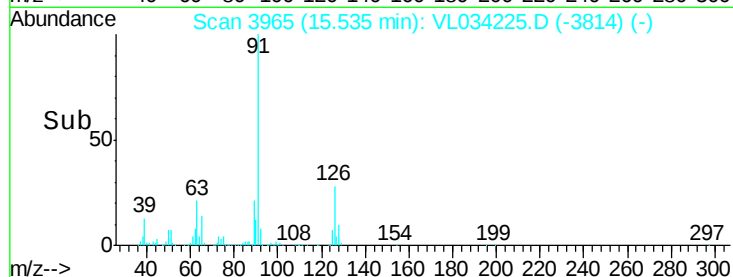
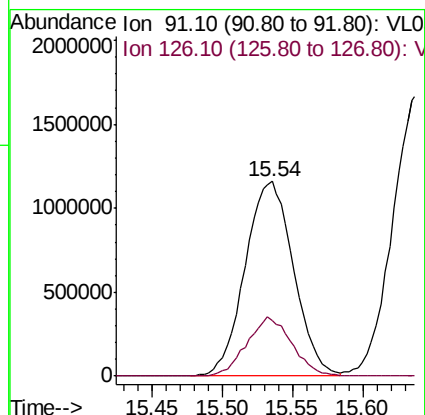
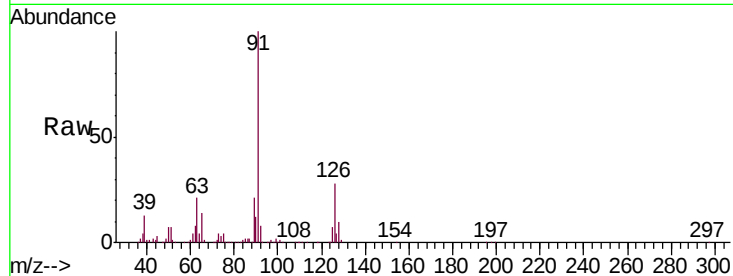




#71
 2-Chlorotoluene
 Concen: 9.638 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

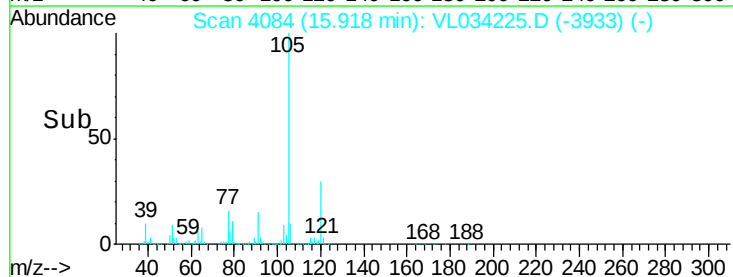
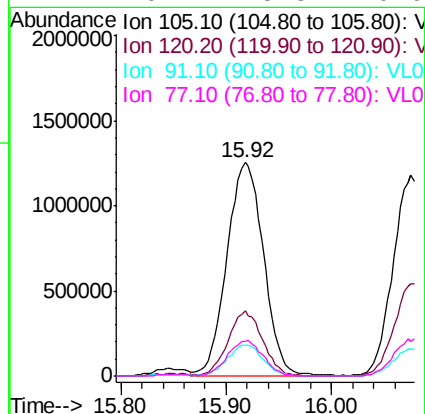
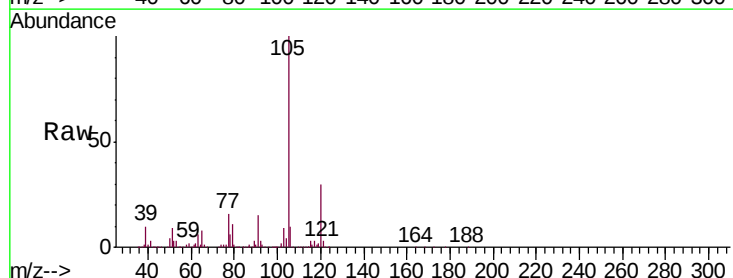
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

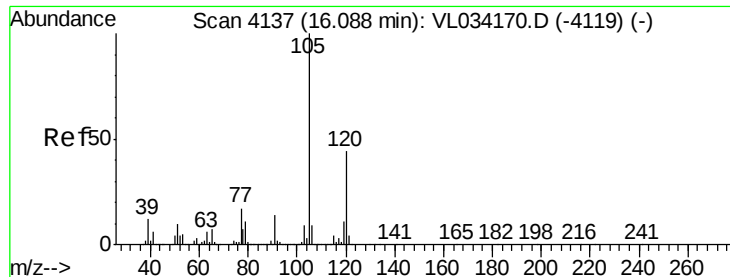
Tgt Ion: 91 Resp: 2787224
 Ion Ratio Lower Upper
 91 100
 126 28.4 11.2 45.0



#72
 4-Ethyltoluene
 Concen: 9.783 ppbv
 RT: 15.92 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 105 Resp: 3022112
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.3 34.9
 91 14.9 11.4 17.2
 77 16.4 13.3 19.9

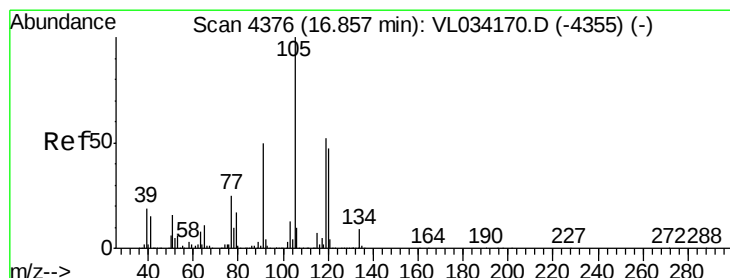
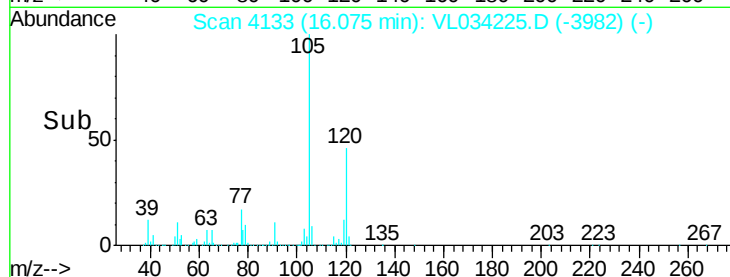
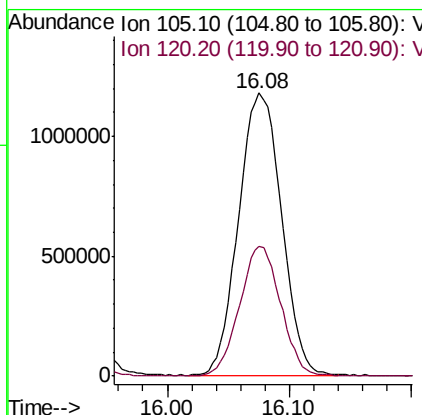
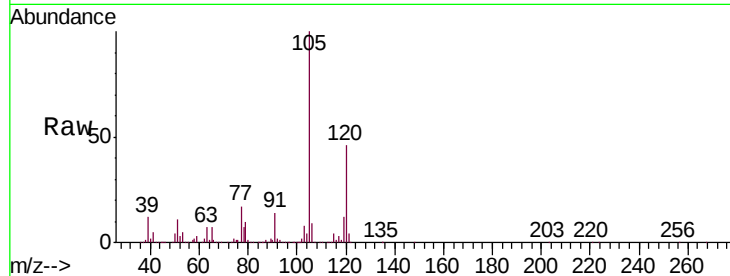




#73
 1,3,5-Trimethylbenzene
 Concen: 9.624 ppbv
 RT: 16.08 min Scan# 4133
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

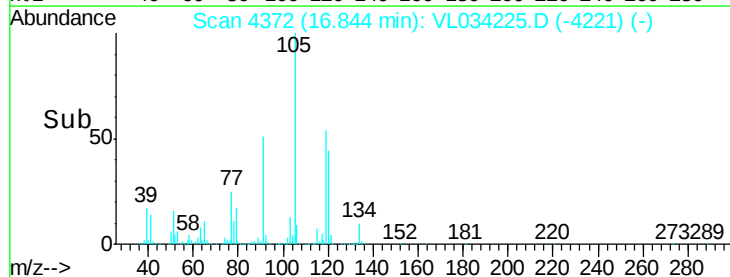
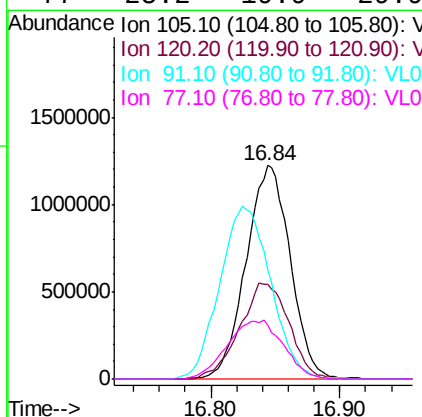
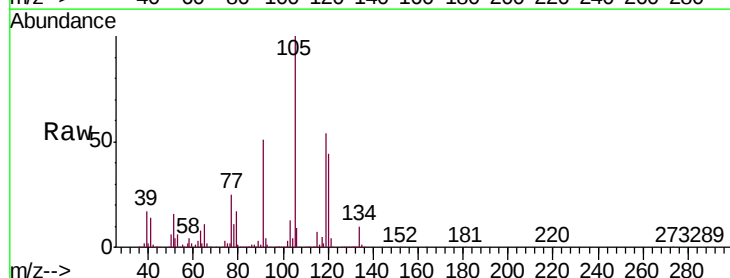
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

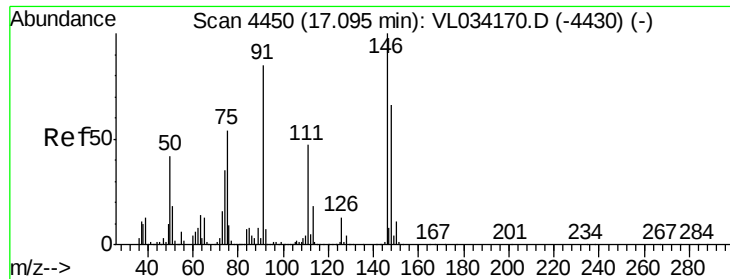
Tgt Ion:105 Resp: 2871946
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 9.201 ppbv
 RT: 16.84 min Scan# 4372
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion:105 Resp: 2915442
 Ion Ratio Lower Upper
 105 100
 120 43.8 37.5 56.3
 91 50.6 41.1 61.7
 77 25.2 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 9.193 ppbv

RT: 17.08 min Scan# 4446

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

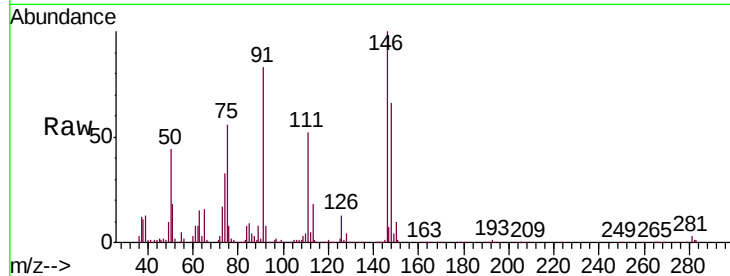
Tgt Ion:146 Resp: 1562791

Ion Ratio Lower Upper

146 100

111 51.6 25.9 77.8

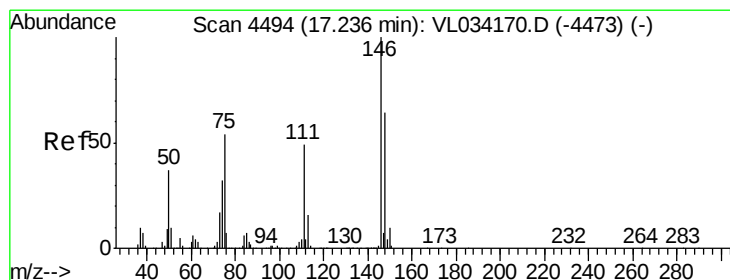
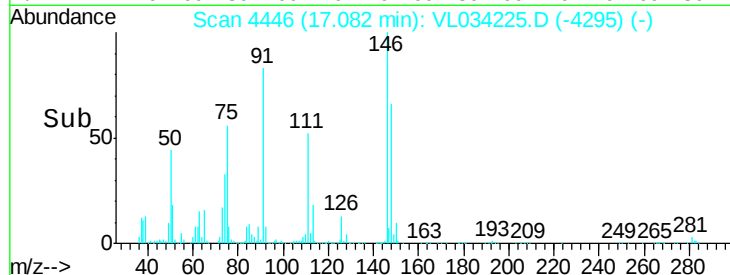
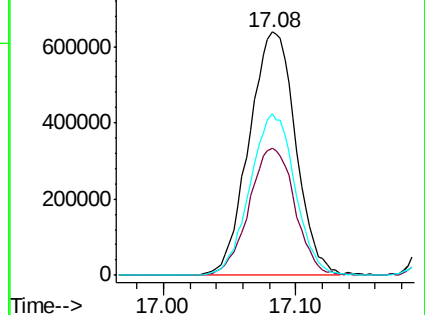
148 64.3 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.198 ppbv

RT: 17.23 min Scan# 4491

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

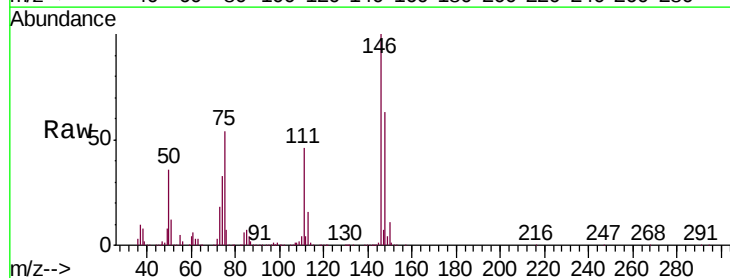
Tgt Ion:146 Resp: 1601373

Ion Ratio Lower Upper

146 100

111 49.1 24.6 74.0

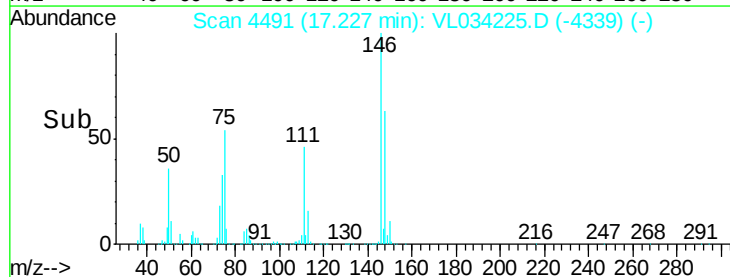
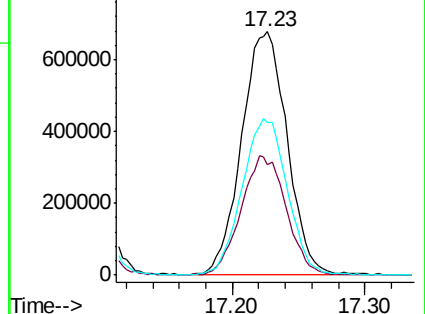
148 64.9 32.4 97.0

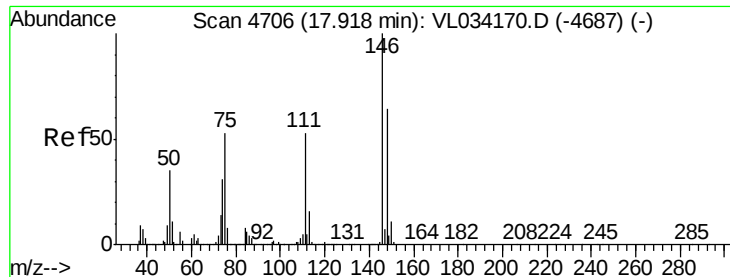


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

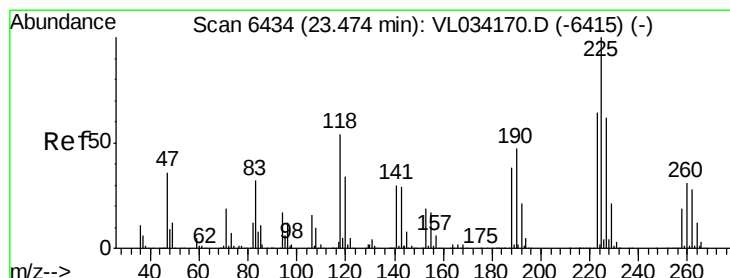
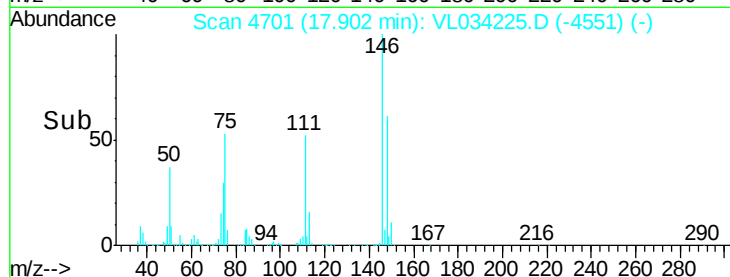
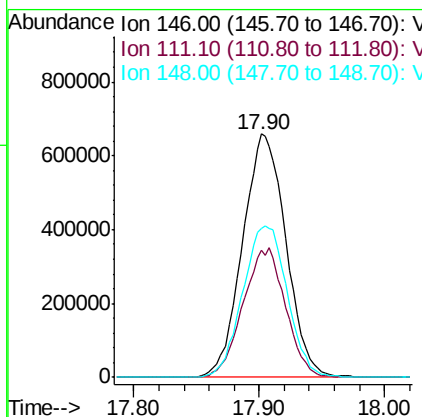
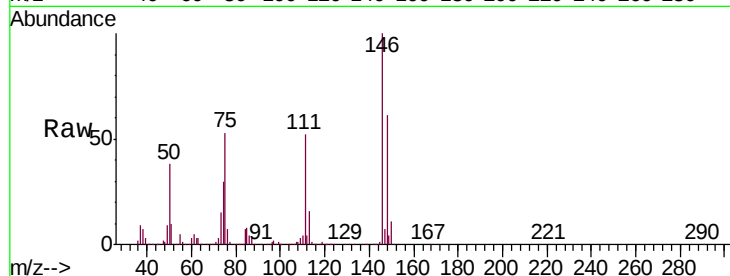




#77
 1,2-Dichlorobenzene
 Concen: 9.144 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

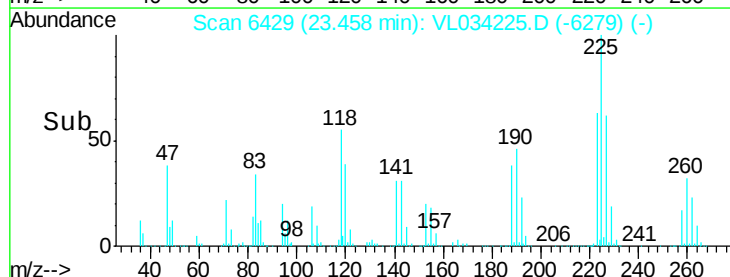
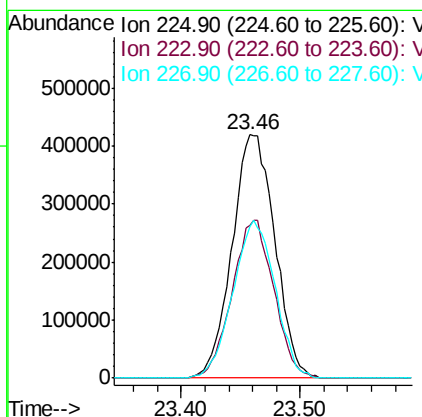
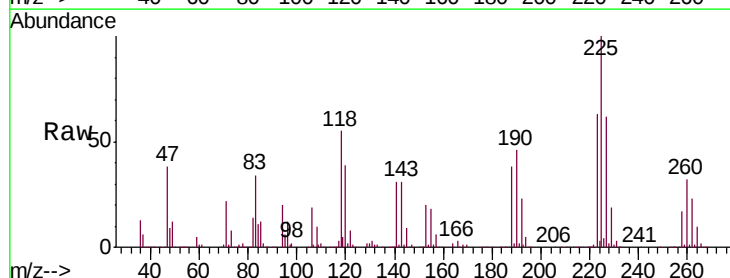
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

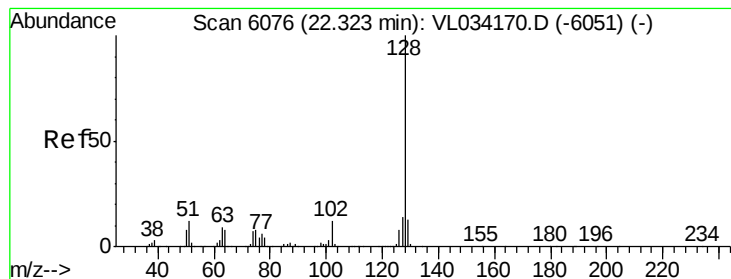
Tgt Ion:146 Resp: 1573445
 Ion Ratio Lower Upper
 146 100
 111 52.6 26.1 78.3
 148 64.5 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.128 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion:225 Resp: 1040335
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.7 77.5
 227 64.0 52.1 78.1





#79

Naphthalene

Concen: 9.380 ppbv

RT: 22.31 min Scan# 6071

Delta R.T. -0.02 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

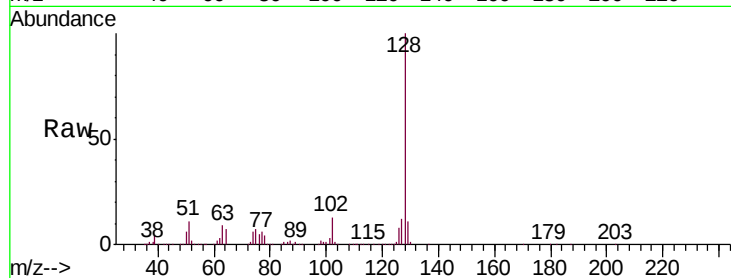
Tgt Ion:128 Resp: 2616650

Ion Ratio Lower Upper

128 100

127 12.4 11.1 16.7

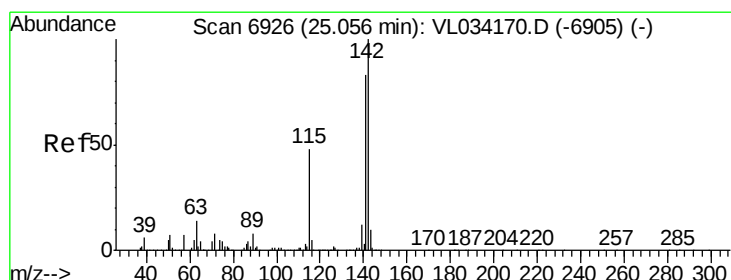
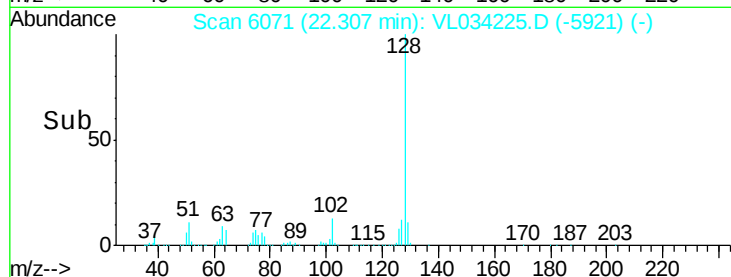
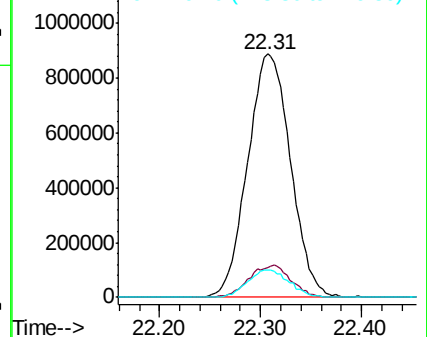
129 11.2 10.2 15.4



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: 5.015 ppbv

RT: 25.05 min Scan# 6923

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

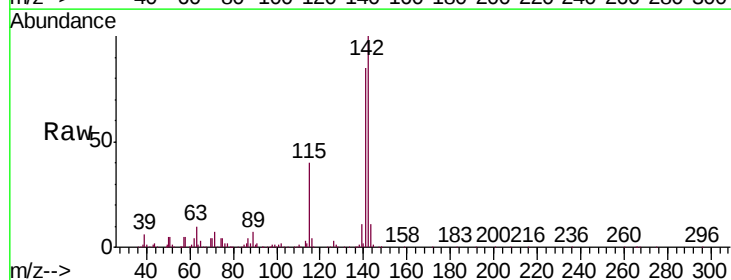
Tgt Ion:142 Resp: 650542

Ion Ratio Lower Upper

142 100

141 83.3 67.6 101.4

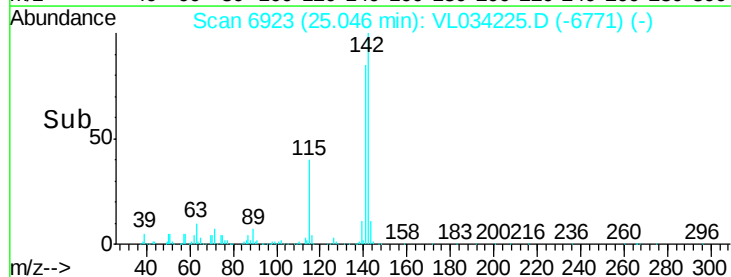
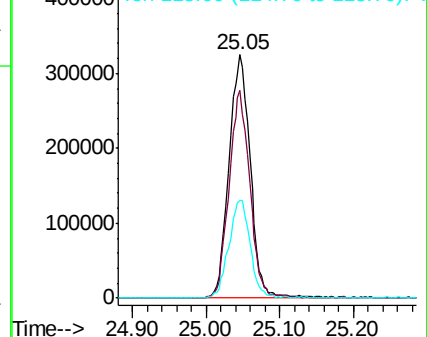
115 40.8 36.9 55.3

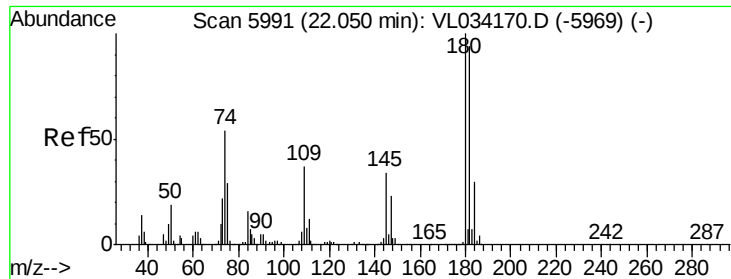


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

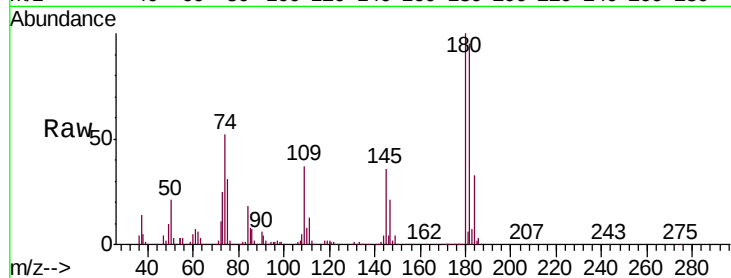




#81
 1,2,4-Trichlorobenzene
 Concen: 9.337 ppbv
 RT: 22.04 min Scan# 5987
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion:180 Resp: 1442774
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.4 116.2
 184 30.9 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

