

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034802.D
 Acq On : 5 Mar 2020 19:09
 Operator : SY/AP
 Sample : L1698-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4

Quant Time: Mar 06 04:45:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.50	49	8080	10.00	ppbv	-0.18
33) 1,4-Difluorobenzene	6.98	114	117	10.00	ppbv	-0.23
55) Chlorobenzene-d5	11.76	117	262	10.00	ppbv	-0.38

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.02	95	2582	118.19	ppbv	-0.46
Spiked Amount	10.000	Range	65 - 135	Recovery	= 1181.90%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.15	85	14436	10.948	ppbv	94
3) Chlorodifluoromethane	2.91	51	90323	98.119	ppbv	95
4) Chloromethane	3.09	50	146446	295.356	ppbv #	49
5) Vinyl Chloride	3.17	62	18774581	35843.010	ppbv #	2
6) Bromomethane	3.35	94	418	1.462	ppbv #	42
7) Chloroethane	3.17	64	13738189	75852.867	ppbv #	44
8) Dichlorotetrafluoroethane	3.15	85	14436	12.602	ppbv #	21
9) Propene	2.93	41	11186503	30873.152	ppbv	84
10) Heptane	7.90	43	19566	21.248	ppbv #	27
11) Trichlorofluoromethane	3.89	101	219560	186.079	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.29	101	3291	4.042	ppbv #	75
13) Ethanol	3.55	45	3366101	27113.703	ppbv	100
14) Bromoethene	3.70	108	193	0.578	ppbv #	1
15) Acetone	3.78	43	9079585	9383.861	ppbv #	1
16) 1,3-Butadiene	3.24	39	11181377	25541.263	ppbv #	27
17) tert-Butyl alcohol	4.16	59	28754	37.688	ppbv #	1
18) 1,1-Dichloroethene	4.14	96	897	2.498	ppbv #	1
19) Isopropyl Alcohol	3.87	45	4759308	8209.416	ppbv #	1
20) Methylene Chloride	4.30	84	205122	593.987	ppbv	92
21) Allyl Chloride	4.36	41	75663	123.484	ppbv #	1
22) trans-1,2-Dichloroethene	5.07	96	2725	7.775	ppbv	85
23) Vinyl Acetate	4.93	43	49676	38.287	ppbv #	47
24) 1,1-Dichloroethane	5.06	63	58047	57.641	ppbv	99
25) Ethyl Acetate	5.44	43	70248	42.014	ppbv #	45
26) Hexane	5.56	57	3040379	4162.357	ppbv #	1
27) Carbon Disulfide	4.40	76	1750	2.051	ppbv #	1
28) Methyl tert-Butyl Ether	4.87	73	11352	10.441	ppbv #	52
30) Cyclohexane	6.88	84	920470	1647.166	ppbv #	61
31) cis-1,2-Dichloroethene	5.54	61	134344	179.318	ppbv	90
32) 1,1,1-Trichloroethane	6.33	97	1759	1.448	ppbv #	21
34) 2-Butanone	5.18	43	2500717	328534.772	ppbv #	54
35) Carbon Tetrachloride	6.56	117	568	64.338	ppbv	96
36) Benzene	7.00	78	23353946	2335923.152	ppbv #	81
37) 1,2-Dichloroethane	6.13	62	32509	4760.465	ppbv #	84
38) Trichloroethene	7.62	130	95	24.380	ppbv #	1
39) 1,2-Dichloropropane	7.50	63	160211	39707.957	ppbv	93
40) 1,4-Dioxane	7.61	88	1036	742.381	ppbv #	1
41) Tetrahydrofuran	5.92	42	13044	3358.595	ppbv #	36
42) Bromodichloromethane	7.57	83	74707	8646.165	ppbv #	38
43) Methyl Methacrylate	7.80	69	29842	7043.923	ppbv #	1
44) 2,2,4-Trimethylpentane	7.59	57	2280554	130531.315	ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034802.D
 Acq On : 5 Mar 2020 19:09
 Operator : SY/AP
 Sample : L1698-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

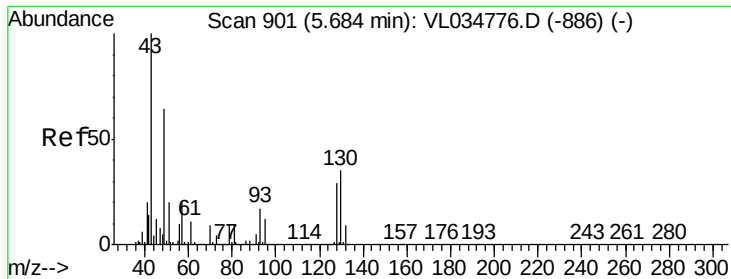
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4

Quant Time: Mar 06 04:45:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) t-1,3-Dichloropropene	9.03	75	9521	2140.712	ppbv #	1
46) cis-1,3-Dichloropropene	8.47	75	962	177.134	ppbv #	23
47) 1,1,2-Trichloroethane	9.27	97	51780	12155.758	ppbv #	1
48) Dibromochloromethane	10.03	129	596	89.475	ppbv #	10
49) Bromoform	12.76	173	63	10.839	ppbv #	1
50) 4-Methyl-2-Pentanone	8.61	43	61464	5635.534	ppbv #	39
51) 2-Hexanone	9.82	43	977709	114277.968	ppbv #	29
52) Tetrachloroethene	10.97	164	84	22.741	ppbv #	1
53) Toluene	9.63	91	110117	10406.729	ppbv #	81
54) 1,2-Dibromoethane	10.32	107	331	52.551	ppbv #	20
56) 1,1,1,2-Tetrachloroethane	11.68	131	1574	135.587	ppbv #	30
57) Chlorobenzene	11.81	112	249851	12483.867	ppbv #	38
58) Ethyl Benzene	12.84	91	3605	111.653	ppbv	96
59) m/p-Xylene	12.68	91	46602	1667.371	ppbv #	31
60) o-Xylene	13.22	91	1121615	39663.096	ppbv	92
61) Styrene	13.16	104	598	34.088	ppbv #	26
62) Isopropylbenzene	13.93	105	1321	31.740	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.29	83	87699	3934.043	ppbv #	1
64) n-propylbenzene	15.15	120	88	8.433	ppbv #	1
65) tert-Butylbenzene	16.41	119	30	0.853	ppbv #	1
66) Benzyl Chloride	16.53	91	523	45.993	ppbv #	89
67) sec-Butylbenzene	16.85	105	88	1.717	ppbv #	59
69) p-Isopropyltoluene	17.07	119	267	6.437	ppbv #	1
70) n-Butylbenzene	18.04	91	228	5.027	ppbv #	32
71) 2-Chlorotoluene	15.04	91	687	21.855	ppbv #	45
72) 4-Ethyltoluene	15.41	105	33	1.048	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.54	105	55	1.821	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.34	105	84	2.559	ppbv #	41
75) 1,3-Dichlorobenzene	16.21	146	65	3.344	ppbv #	1
76) 1,4-Dichlorobenzene	17.06	146	125	6.721	ppbv #	1
77) 1,2-Dichlorobenzene	17.06	146	125	6.723	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.65	225	68	4.383	ppbv #	18
79) Naphthalene	21.44	128	80	3.242	ppbv #	69
80) Naphthalene,2-methyl-	24.14	142	63	10.691	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.50	180	63	4.039	ppbv #	18

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.50 min Scan# 844

Delta R.T. -0.18 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

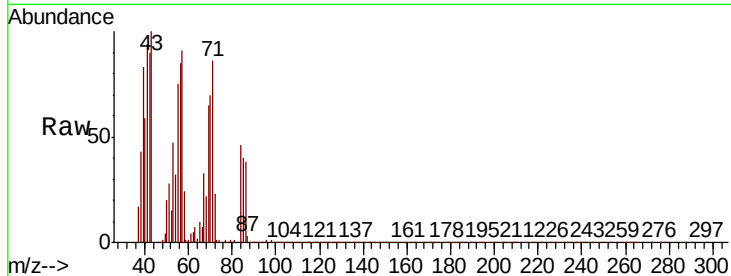
Tot Ion: 49 Resp: 8080

Ion Ratio Lower Upper

49 100

128 28.7 21.6 64.6

130 43.7 27.4 82.2



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

300000

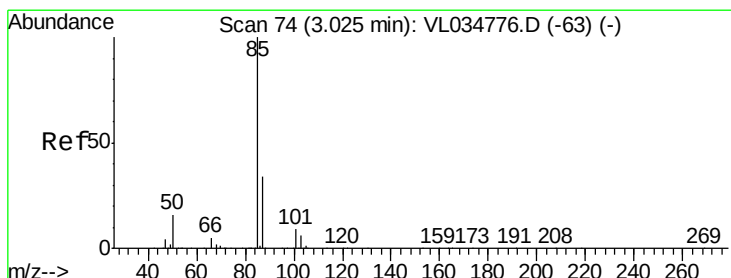
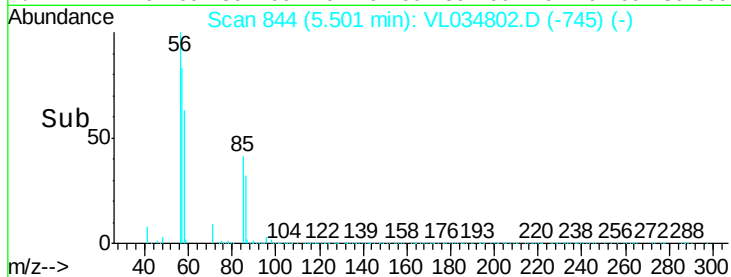
200000

100000

0

5.49 5.50 5.50 5.50 5.51

Time-->



#2

Dichlorodifluoromethane

Concen: 10.948 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.13 min

Lab File: VL034802.D

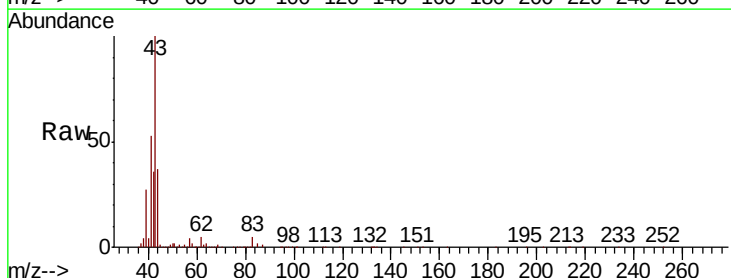
Acq: 5 Mar 2020 19:09

Tgt Ion: 85 Resp: 14436

Ion Ratio Lower Upper

85 100

87 37.5 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

15000

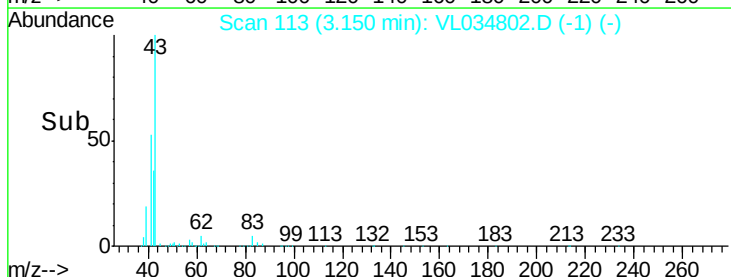
10000

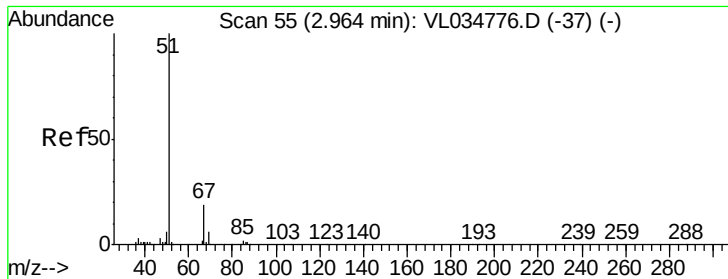
5000

0

3.12 3.14 3.16 3.18

Time-->





#3

Chlorodifluoromethane

Concen: 98.119 ppbv

RT: 2.91 min Scan# 39

Delta R.T. -0.05 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

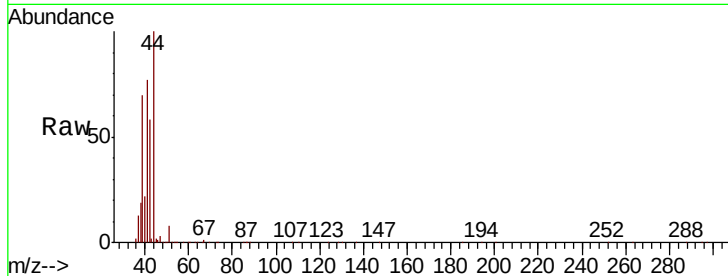
SS-4-4

Tot Ion: 51 Resp: 90323

Ion Ratio Lower Upper

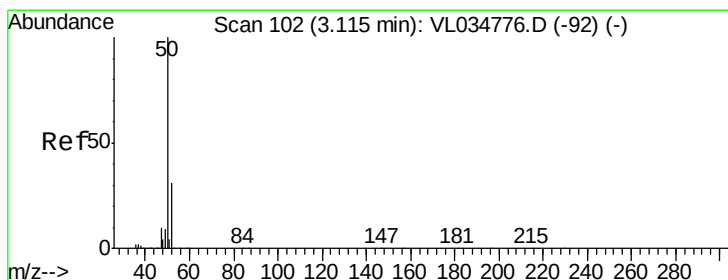
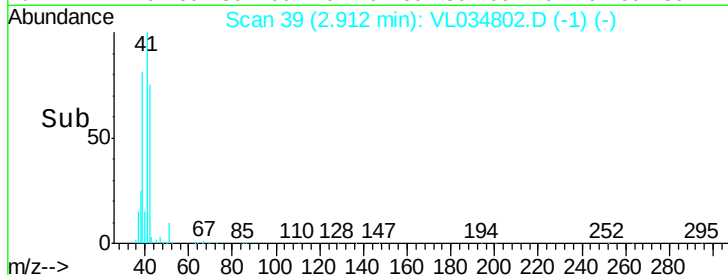
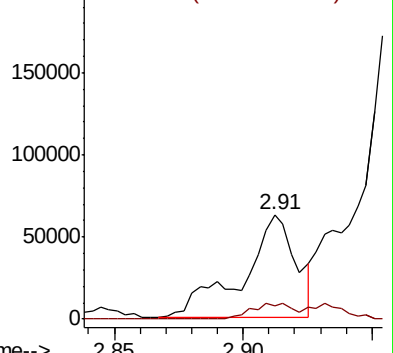
51 100

67 21.4 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 295.356 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.03 min

Lab File: VL034802.D

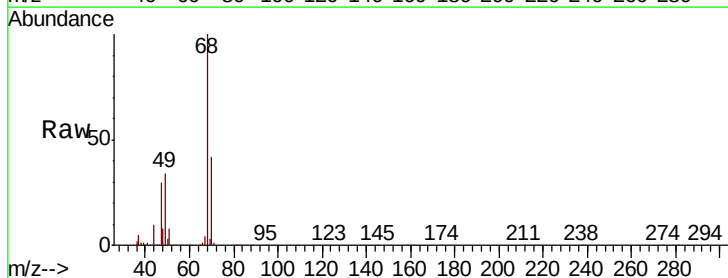
Acq: 5 Mar 2020 19:09

Tgt Ion: 50 Resp: 146446

Ion Ratio Lower Upper

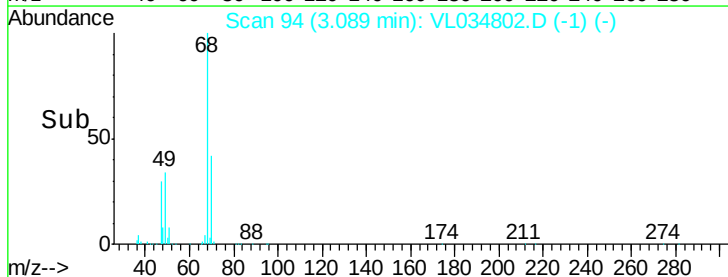
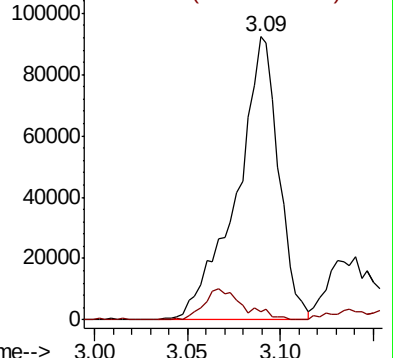
50 100

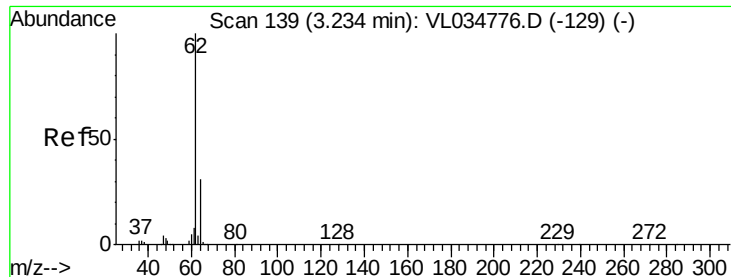
52 3.1 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 35843.010 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.06 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

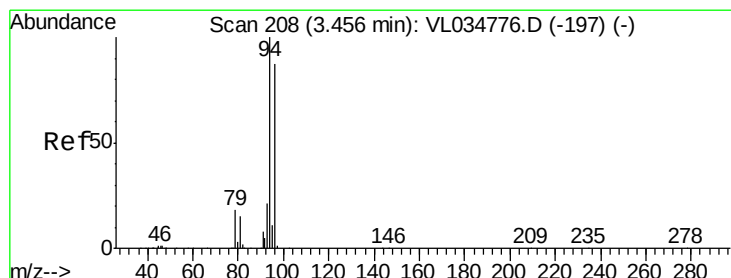
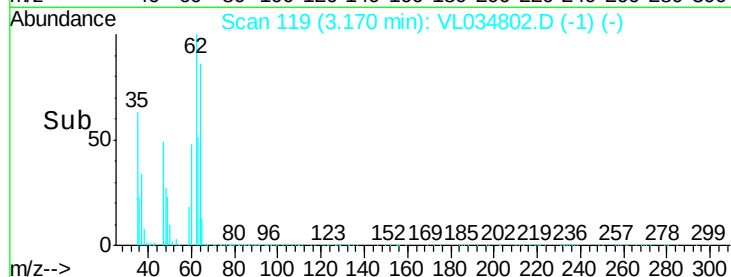
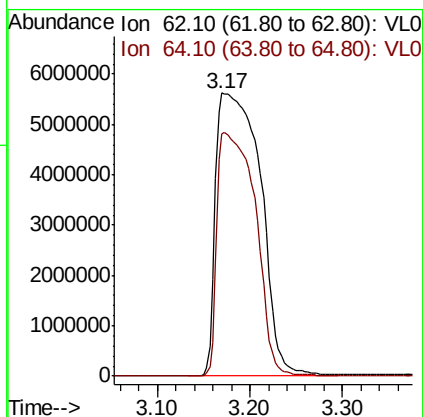
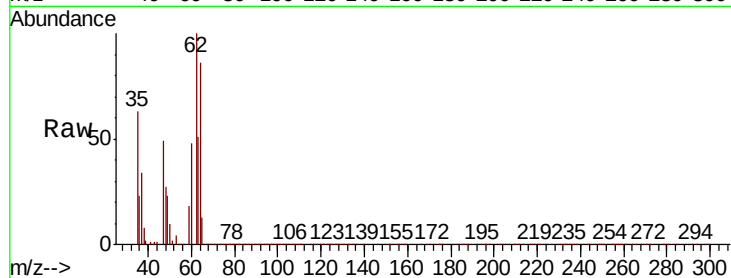
SS-4-4

Tot Ion: 62 Resp:18774581

Ion Ratio Lower Upper

62 100

64 85.6 25.1 37.7#



#6

Bromomethane

Concen: 1.462 ppbv

RT: 3.35 min Scan# 175

Delta R.T. -0.11 min

Lab File: VL034802.D

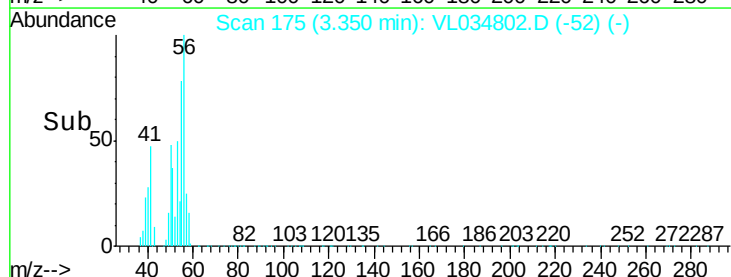
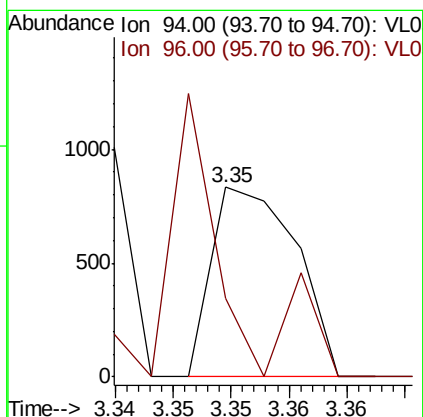
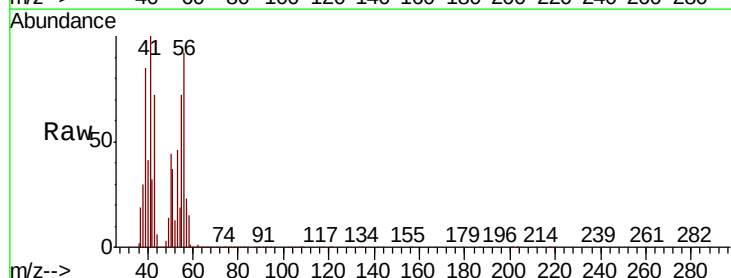
Acq: 5 Mar 2020 19:09

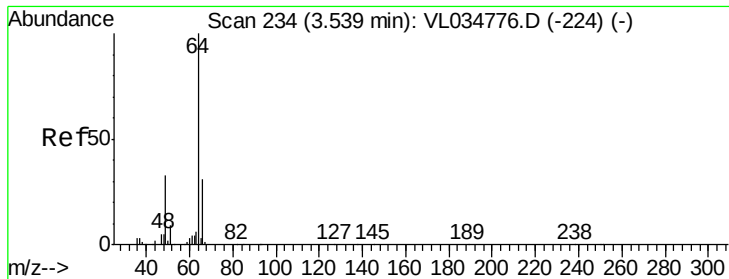
Tgt Ion: 94 Resp: 418

Ion Ratio Lower Upper

94 100

96 34.1 70.0 105.0#





#7

Chloroethane

Concen: 75852.867 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.37 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

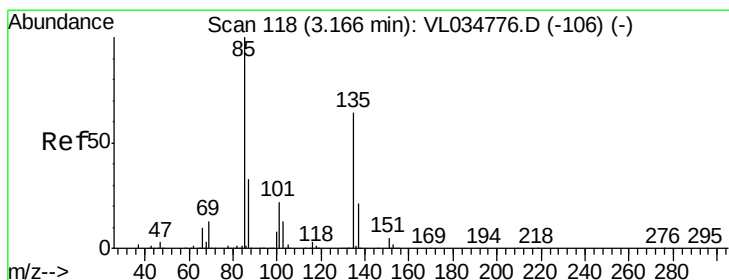
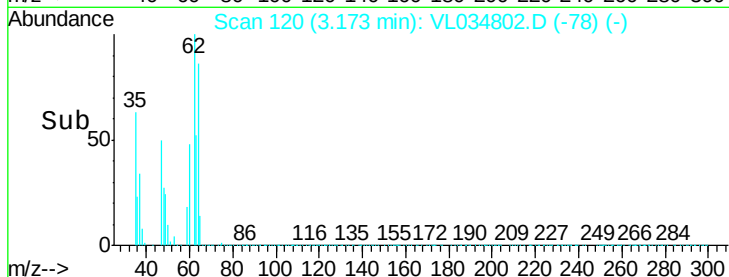
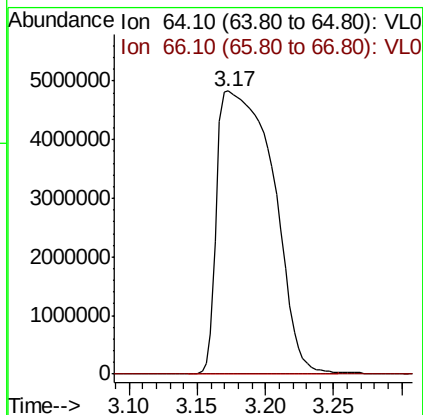
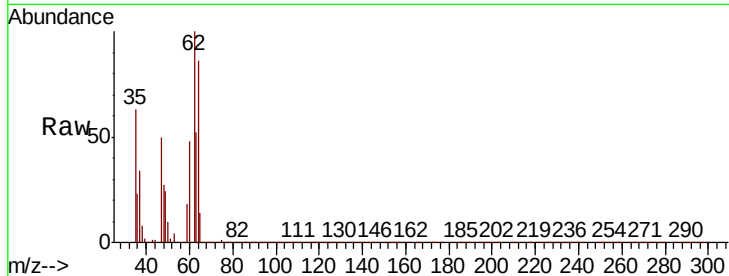
SS-4-4

Tot Ion: 64 Resp:13738189

Ion Ratio Lower Upper

64 100

66 0.2 24.8 37.2#



#8

Dichlorotetrafluoroethane

Concen: 12.602 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.02 min

Lab File: VL034802.D

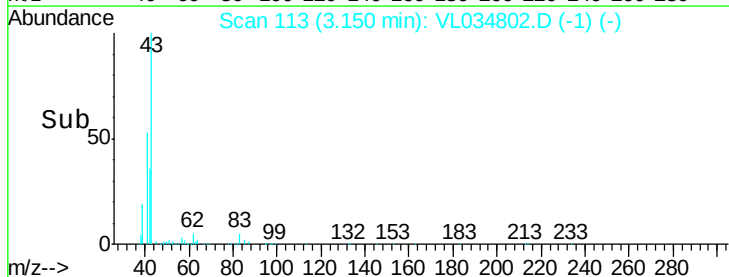
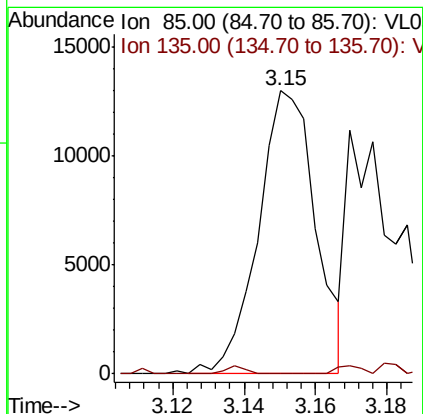
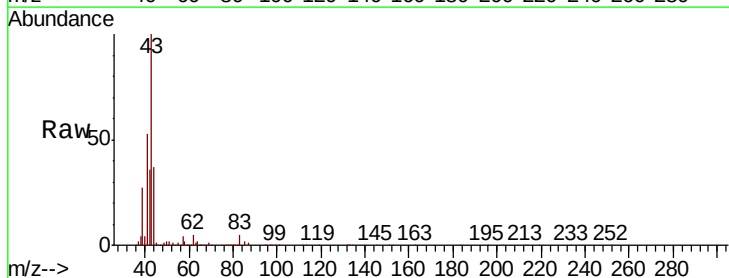
Acq: 5 Mar 2020 19:09

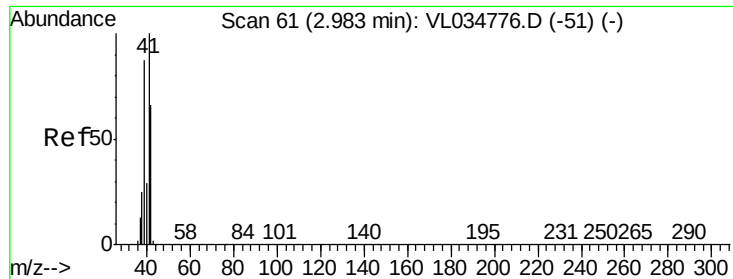
Tgt Ion: 85 Resp: 14436

Ion Ratio Lower Upper

85 100

135 0.9 49.4 74.2#





#9

Propene

Concen: 30873.152 ppbv

RT: 2.93 min Scan# 45

Delta R.T. -0.05 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

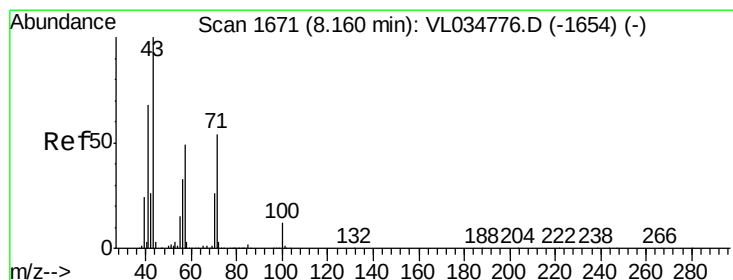
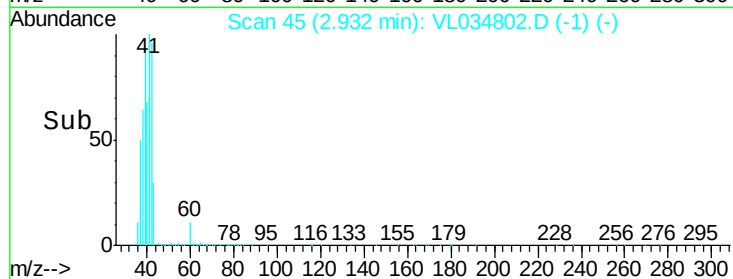
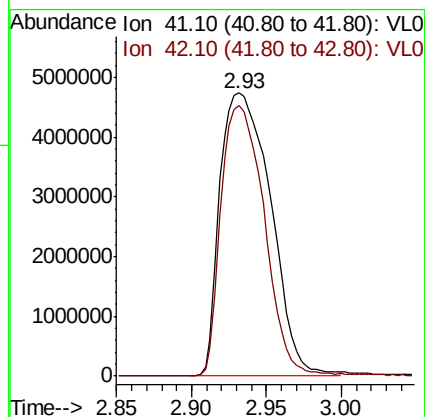
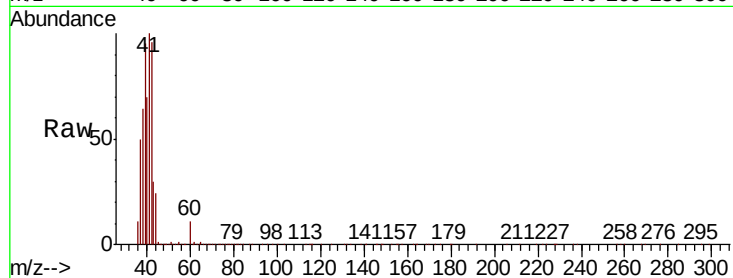
SS-4-4

Tot Ion: 41 Resp: 11186503

Ion Ratio Lower Upper

41 100

42 82.2 55.6 83.4



#10

Heptane

Concen: 21.248 ppbv

RT: 7.90 min Scan# 1591

Delta R.T. -0.26 min

Lab File: VL034802.D

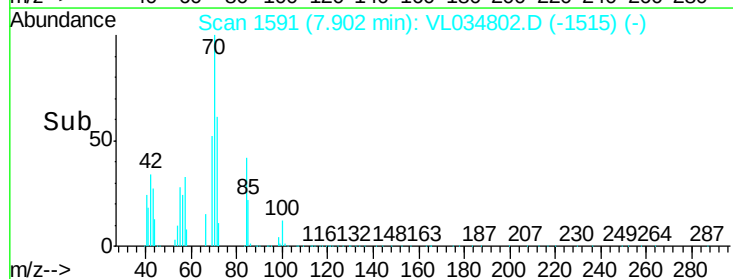
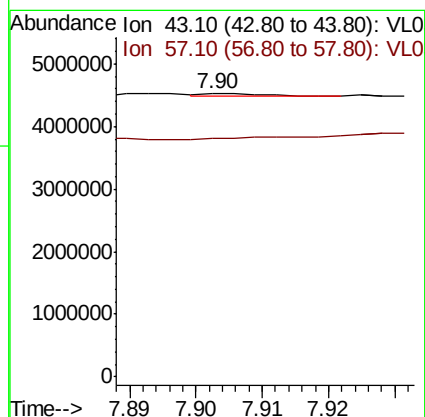
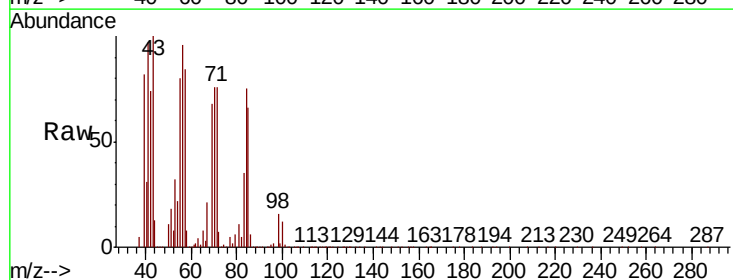
Acq: 5 Mar 2020 19:09

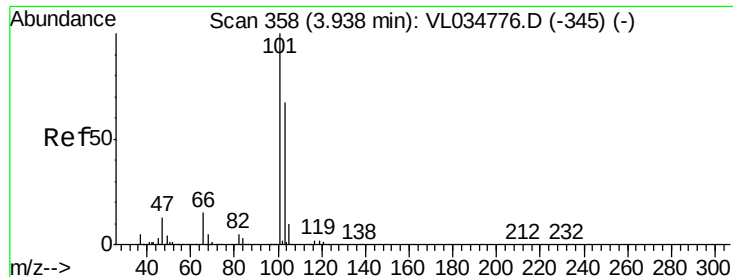
Tgt Ion: 43 Resp: 19566

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 186.079 ppbv

RT: 3.89 min Scan# 344

Delta R.T. -0.05 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

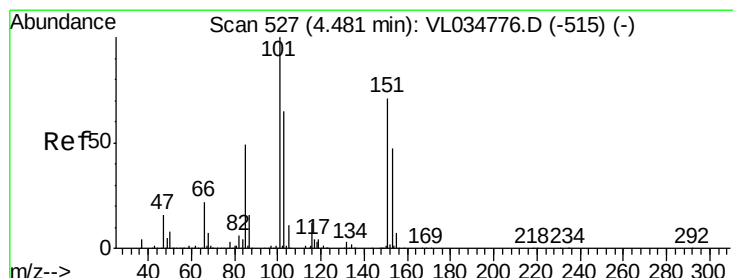
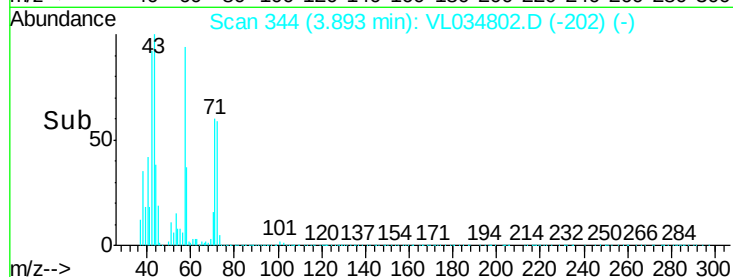
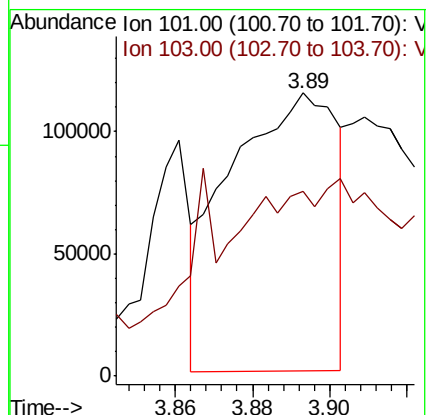
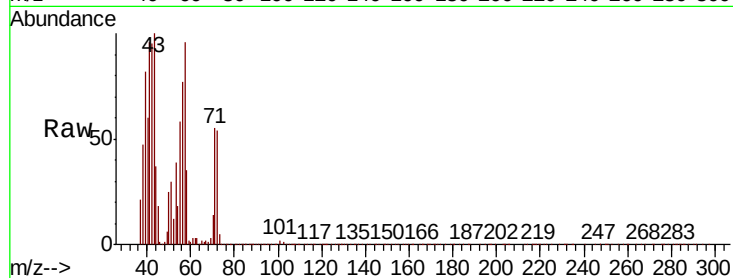
SS-4-4

Tot Ion:101 Resp: 219560

Ion Ratio Lower Upper

101 100

103 63.6 53.6 80.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 4.042 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.19 min

Lab File: VL034802.D

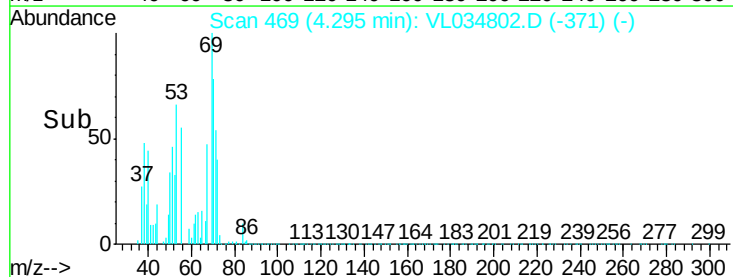
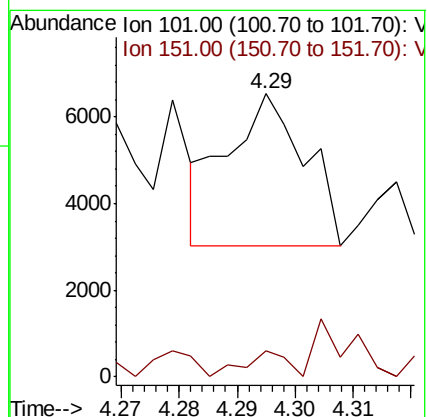
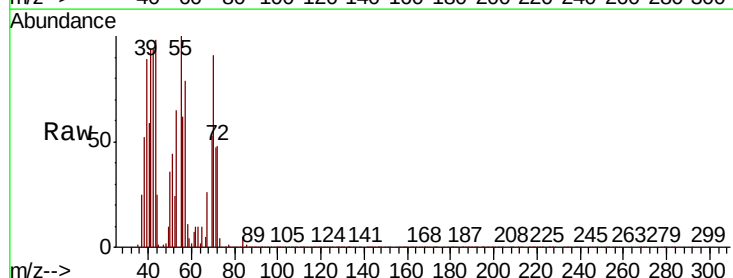
Acq: 5 Mar 2020 19:09

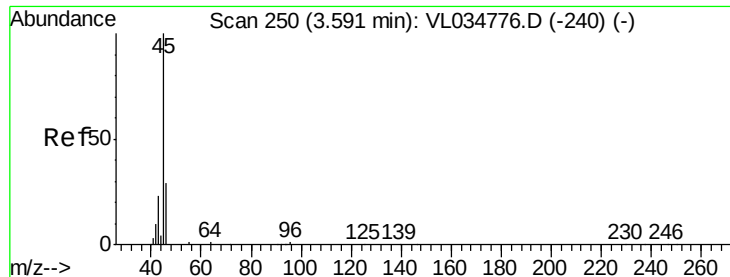
Tgt Ion:101 Resp: 3291

Ion Ratio Lower Upper

101 100

151 49.8 56.6 85.0#





#13

Ethanol

Concen: 27113.703 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.04 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

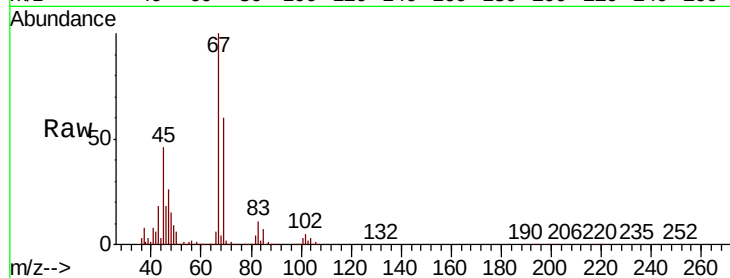
SS-4-4

Tot Ion: 45 Resp: 3366101

Ion Ratio Lower Upper

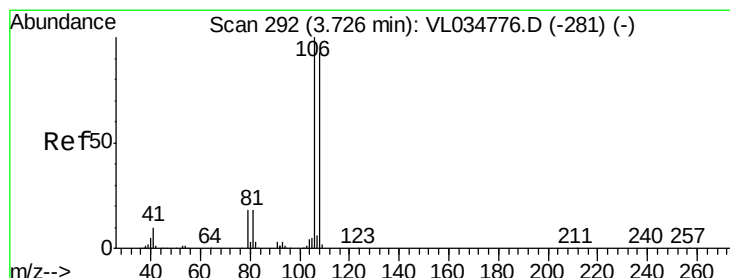
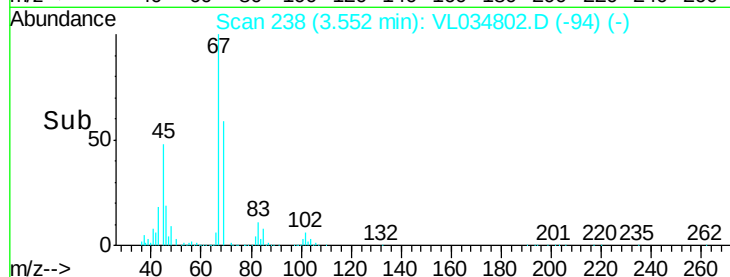
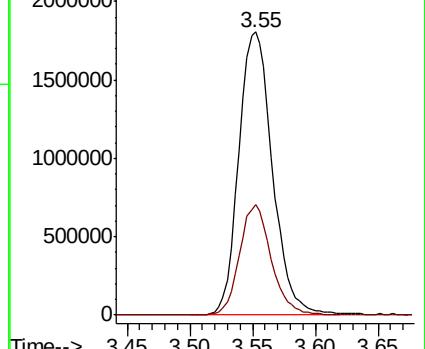
45 100

46 36.9 14.7 58.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.578 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.03 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

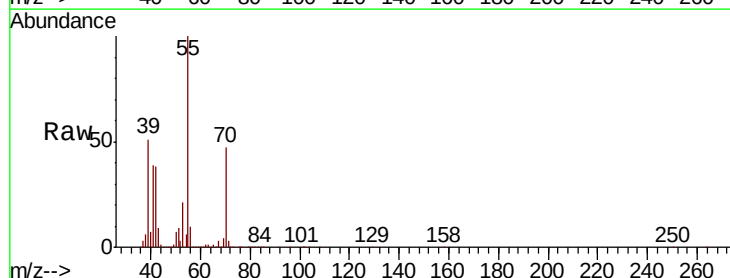
Tgt Ion: 108 Resp: 193

Ion Ratio Lower Upper

108 100

106 0.0 83.5 125.3#

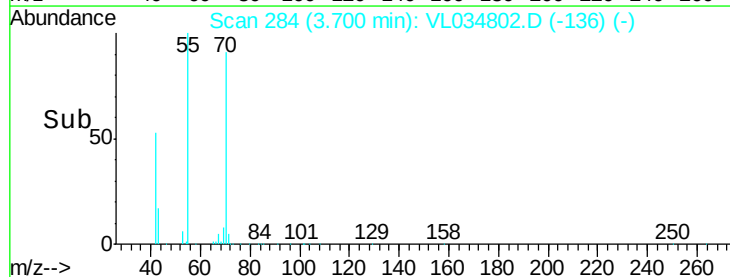
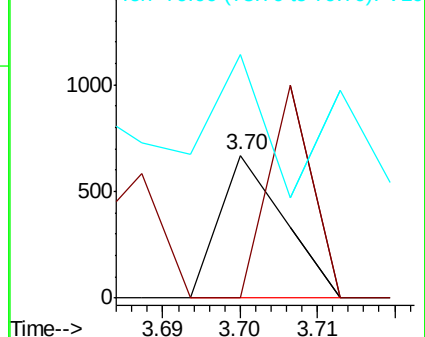
79 1444.0 15.6 23.4#

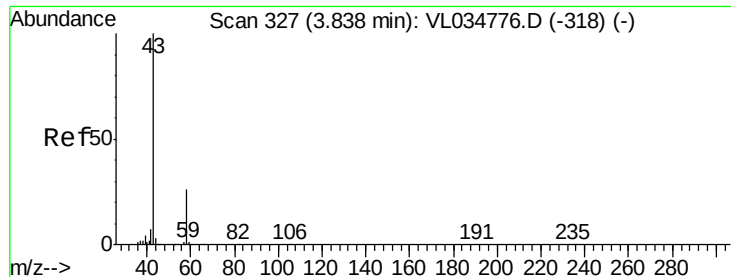


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9383.861 ppbv

RT: 3.78 min Scan# 309

Delta R.T. -0.06 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

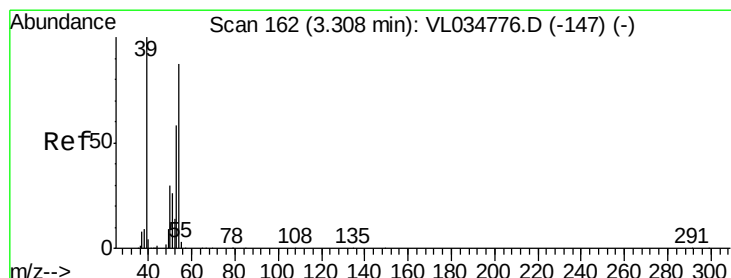
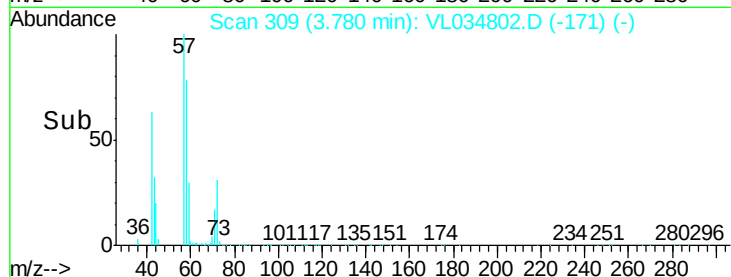
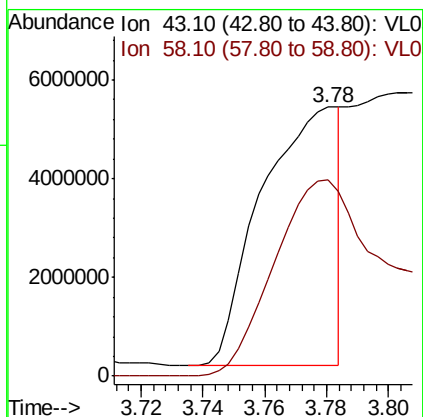
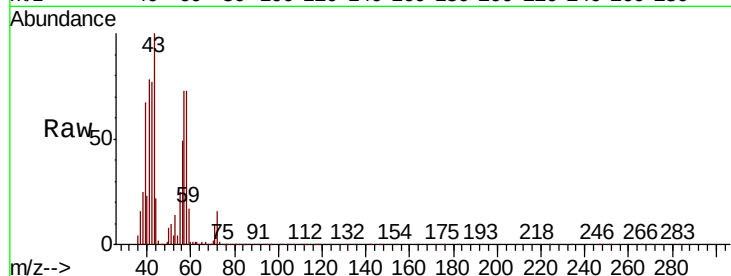
SS-4-4

Tot Ion: 43 Resp: 9079585

Ion Ratio Lower Upper

43 100

58 118.2 21.0 31.6#



#16

1,3-Butadiene

Concen: 25541.263 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.06 min

Lab File: VL034802.D

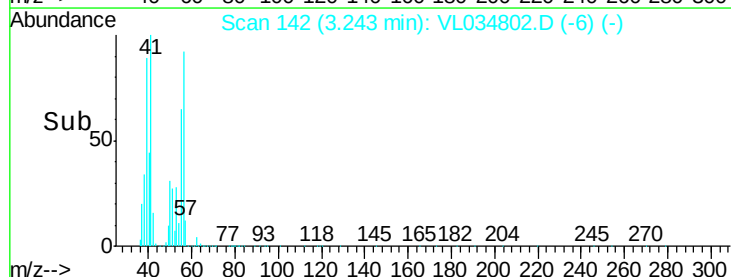
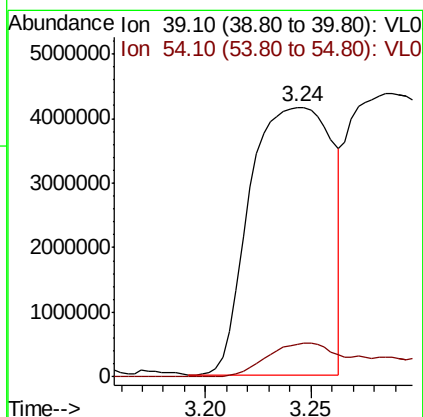
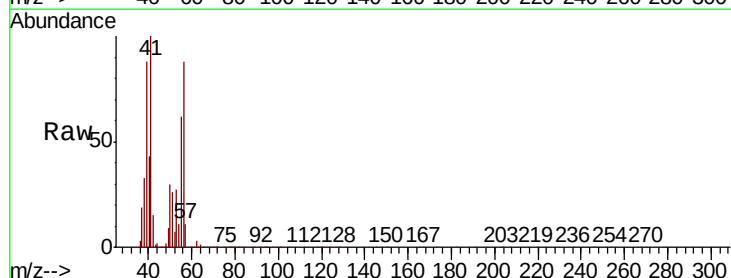
Acq: 5 Mar 2020 19:09

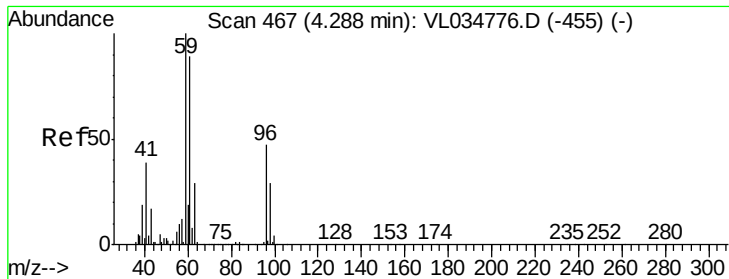
Tgt Ion: 39 Resp: 11181377

Ion Ratio Lower Upper

39 100

54 15.9 64.2 96.2#





#17

tert-Butyl alcohol

Concen: 37.688 ppbv

RT: 4.16 min Scan# 427

Delta R.T. -0.13 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

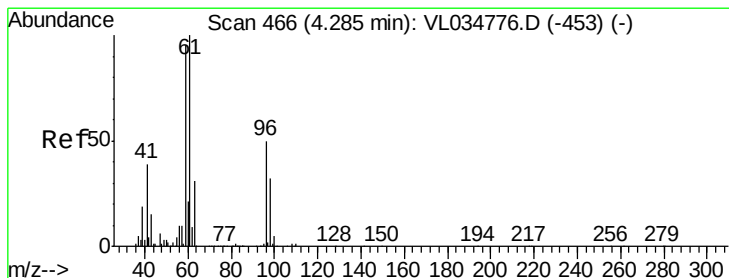
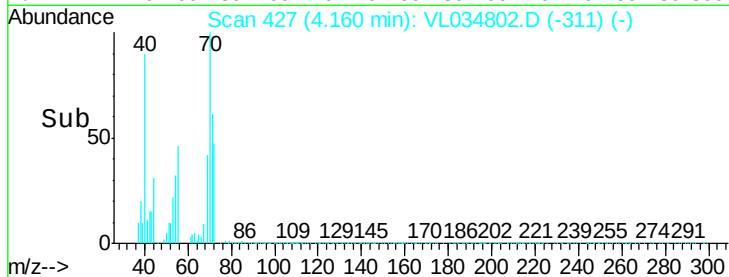
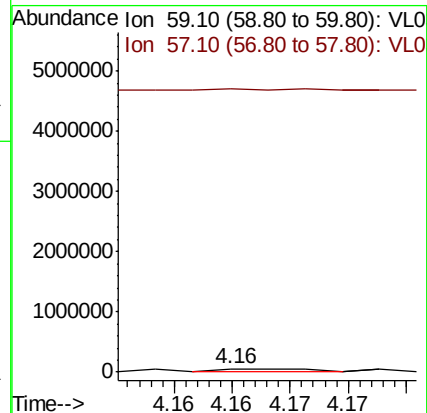
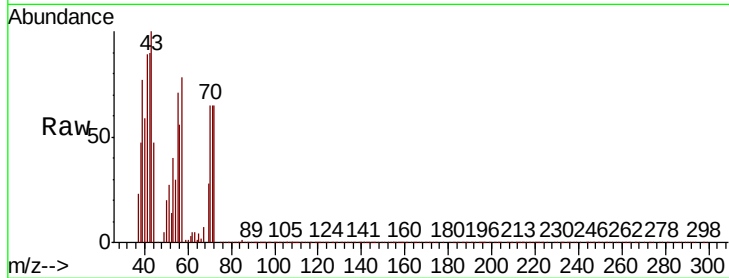
SS-4-4

Tot Ion: 59 Resp: 28754

Ion Ratio Lower Upper

59 100

57 68097.6 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 2.498 ppbv

RT: 4.14 min Scan# 422

Delta R.T. -0.14 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

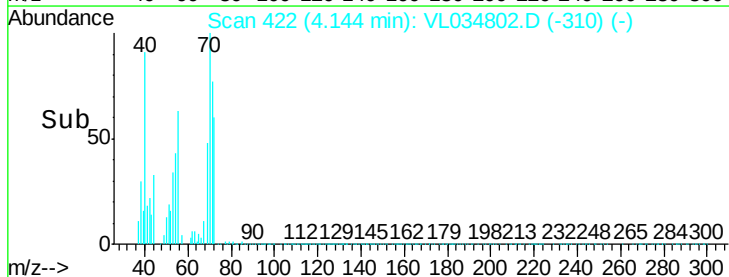
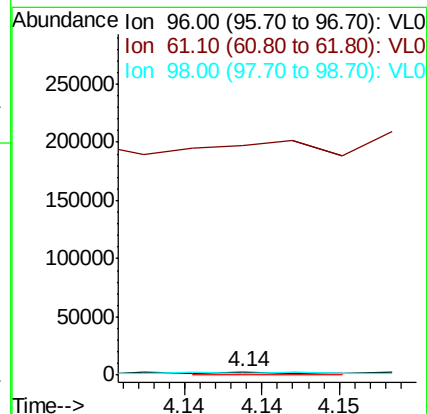
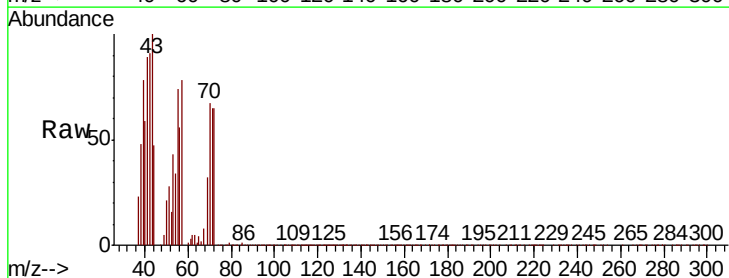
Tgt Ion: 96 Resp: 897

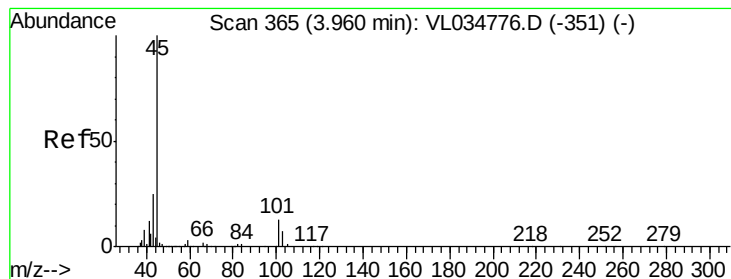
Ion Ratio Lower Upper

96 100

61 478.9 159.5 239.3#

98 0.0 51.1 76.7#



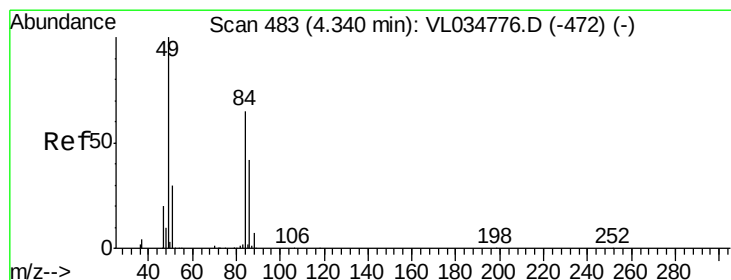
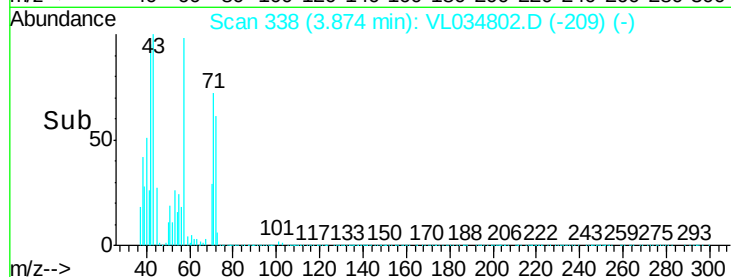
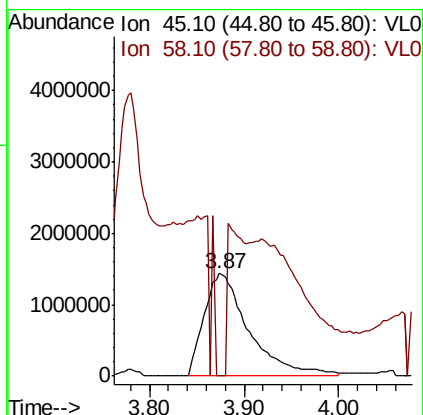
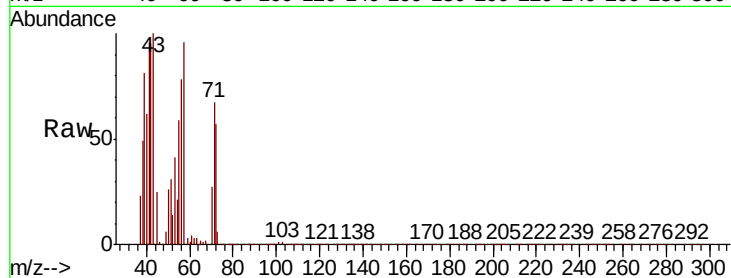


#19

Isopropyl Alcohol
 Concen: 8209.416 ppbv
 RT: 3.87 min Scan# 338
 Delta R.T. -0.09 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4

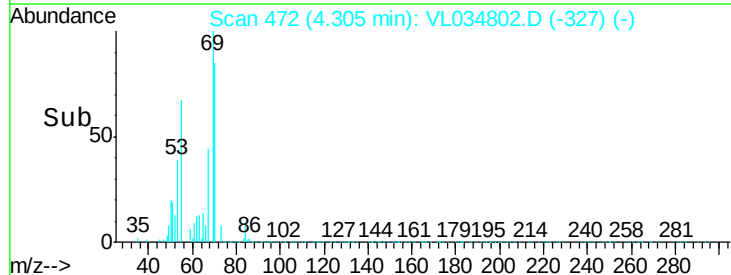
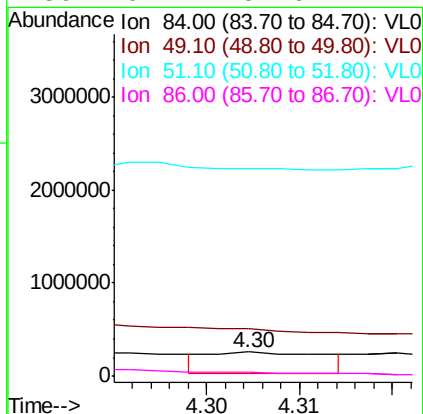
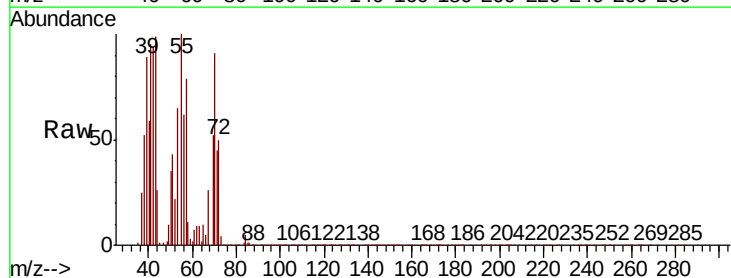
Tot Ion: 45 Resp: 4759308
 Ion Ratio Lower Upper
 45 100
 58 233.3 1.8 2.8#

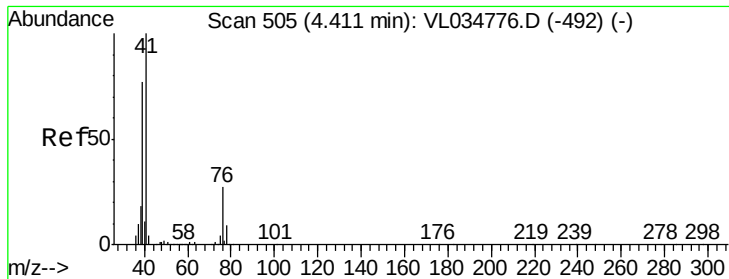


#20

Methylene Chloride
 Concen: 593.987 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. -0.04 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Tgt Ion: 84 Resp: 205122
 Ion Ratio Lower Upper
 84 100
 49 167.0 123.2 184.8
 51 42.3 37.4 56.2
 86 67.1 51.6 77.4

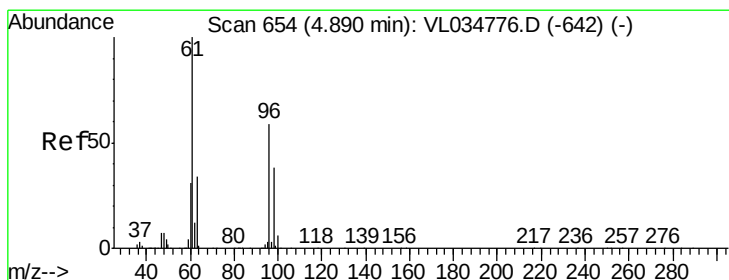
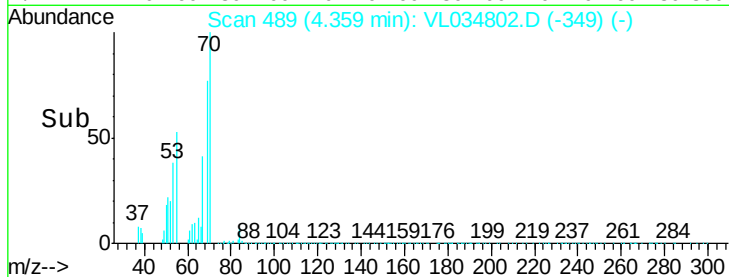
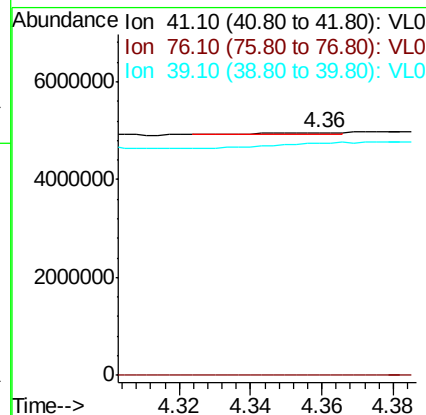
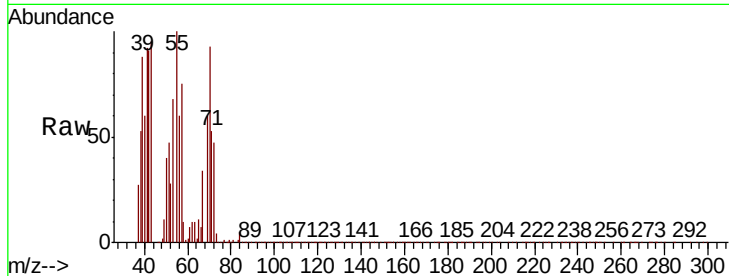




#21
Allvl Chloride
Concen: 123.484 ppbv
RT: 4.36 min Scan# 489
Delta R.T. -0.05 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

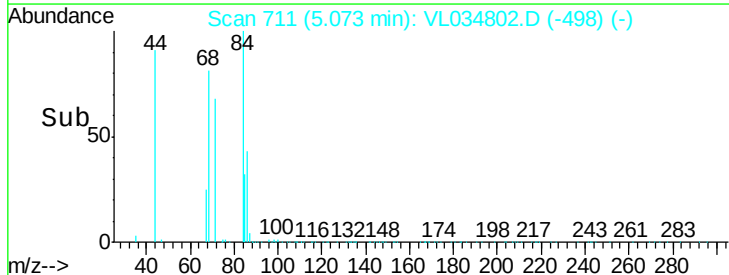
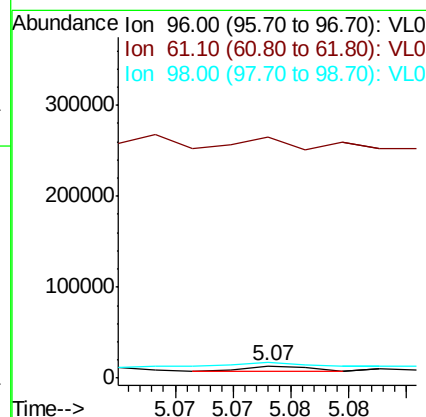
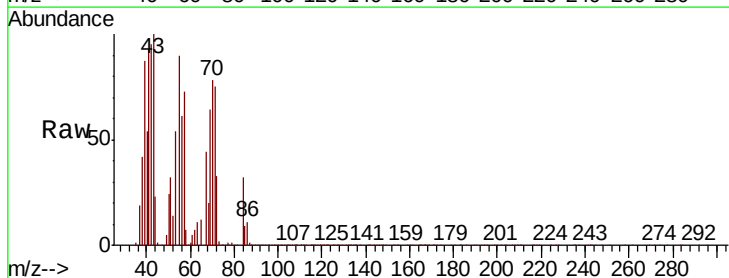
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4

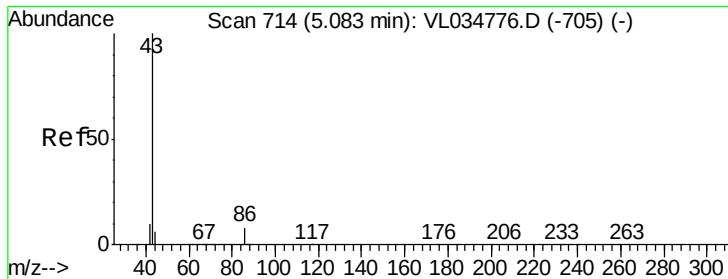
Tot Ion: 41 Resp: 75663
Ion Ratio Lower Upper
41 100
76 0.0 22.5 33.7#
39 606.2 65.0 97.6#



#22
trans-1,2-Dichloroethene
Concen: 7.775 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.18 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion: 96 Resp: 2725
Ion Ratio Lower Upper
96 100
61 195.4 135.2 202.8
98 67.1 50.8 76.2





#23

Vinyl Acetate

Concen: 38.287 ppbv

RT: 4.93 min Scan# 667

Delta R.T. -0.15 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

Tot Ion: 43 Resp: 49676

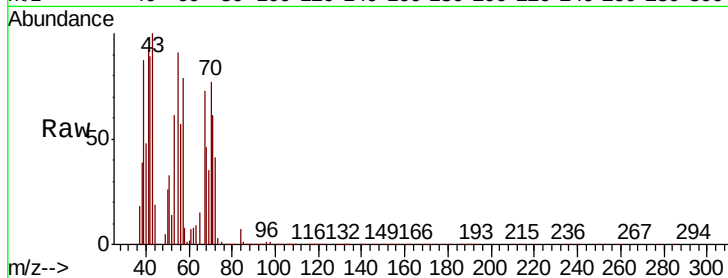
Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#

42 29.3 8.2 12.2#

44 38.3 4.5 6.7#

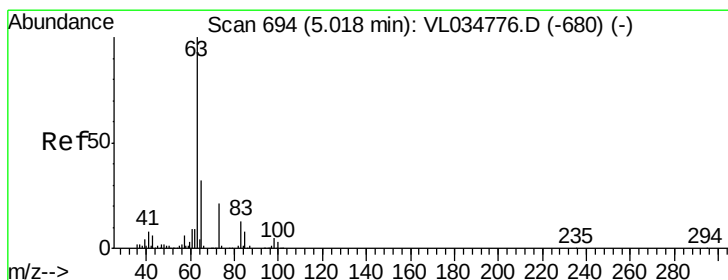
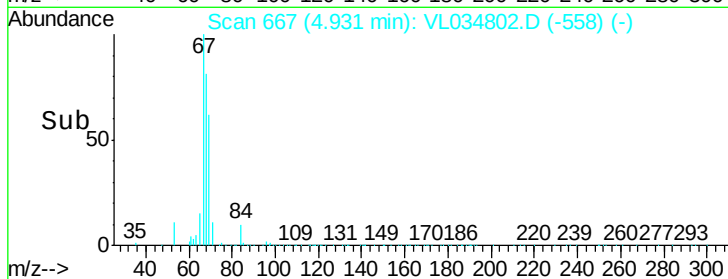
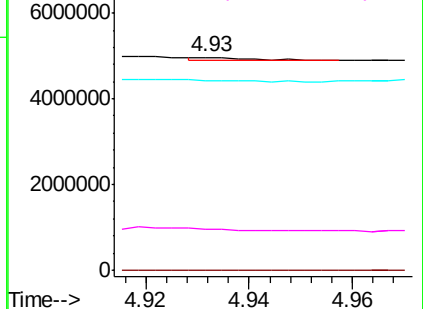


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 57.641 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.05 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

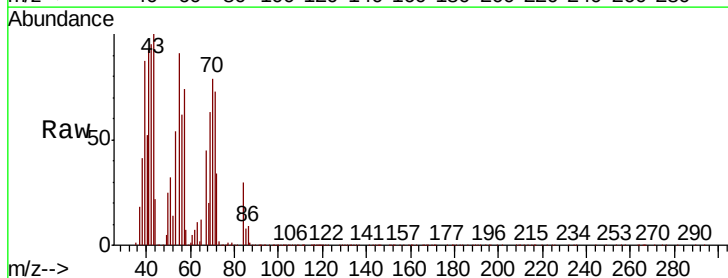
Tgt Ion: 63 Resp: 58047

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.8

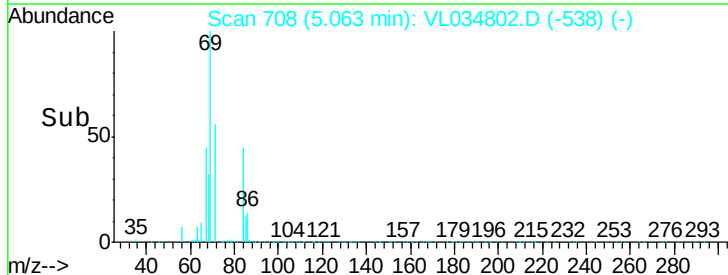
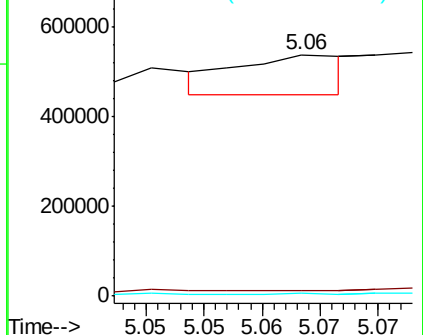
100 2.9 1.5 4.4

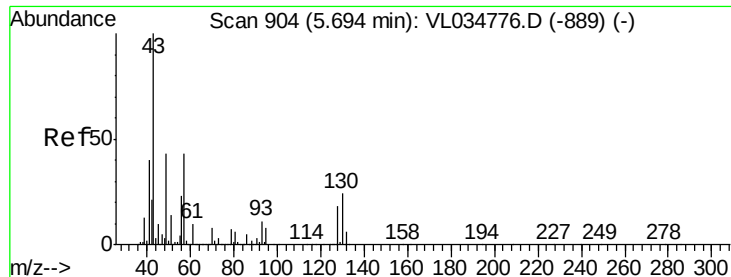


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

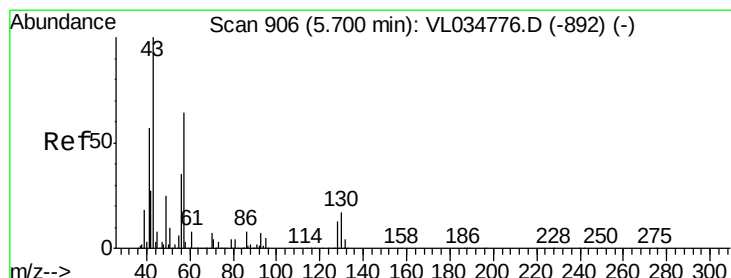
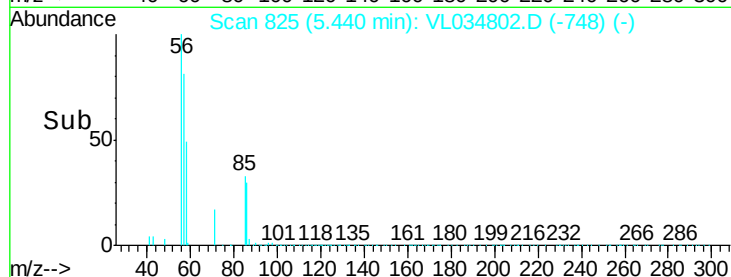
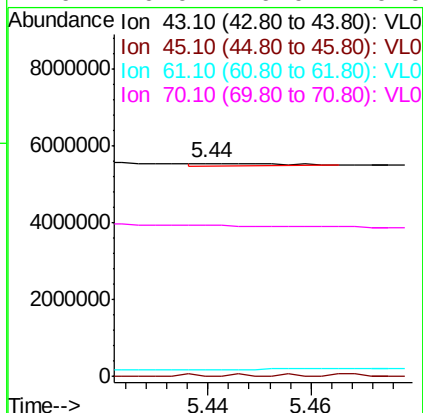
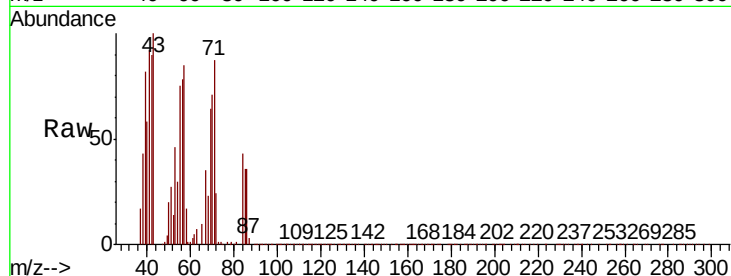




#25
Ethyl Acetate
Concen: 42.014 ppbv
RT: 5.44 min Scan# 825
Delta R.T. -0.25 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

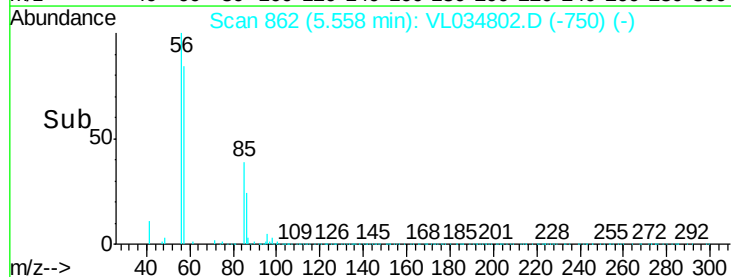
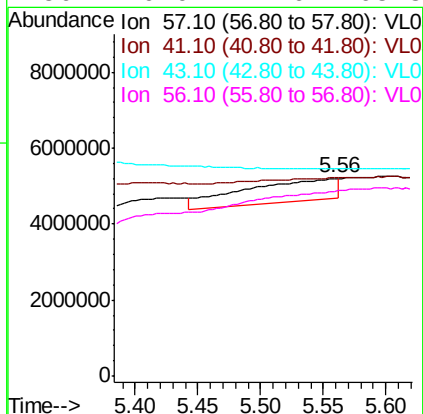
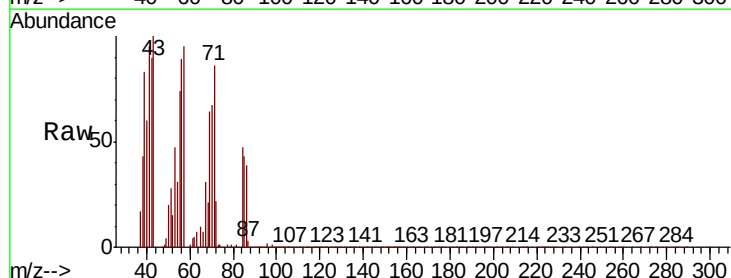
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4

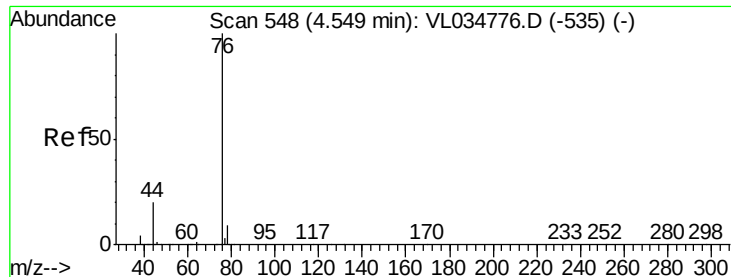
Tot Ion:	43	Resp:	70248
Ion	Ratio	Lower	Upper
43	100		
45	50.0	8.2	12.4#
61	0.0	7.5	11.3#
70	0.0	6.0	9.0#



#26
Hexane
Concen: 4162.357 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.14 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion:	57	Resp:	3040379
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.0	108.0#
43	0.0	179.1	268.7#
56	0.0	42.6	63.8#





#27

Carbon Disulfide

Concen: 2.051 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.15 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

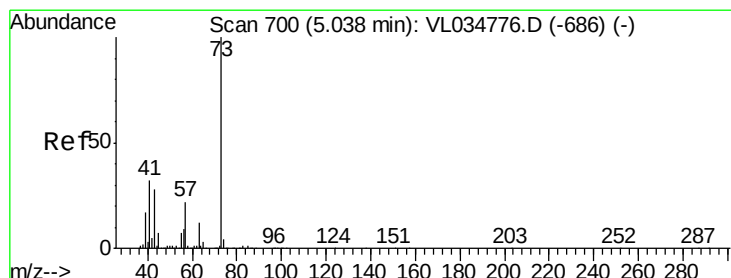
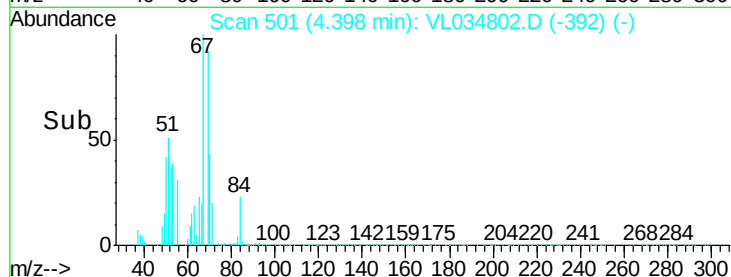
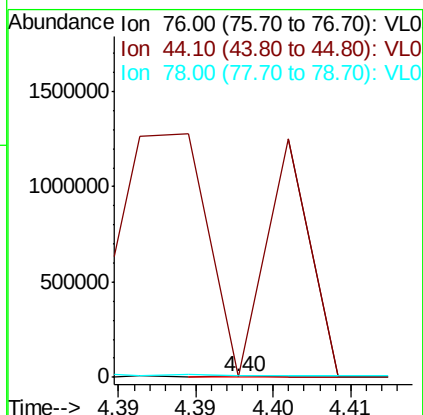
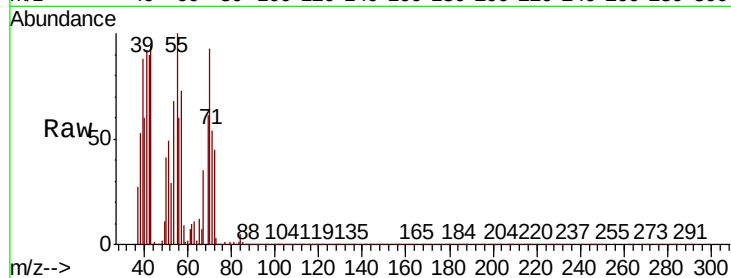
Tot Ion: 76 Resp: 1750

Ion Ratio Lower Upper

76 100

44 55491.3 16.1 24.1#

78 0.0 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 10.441 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.16 min

Lab File: VL034802.D

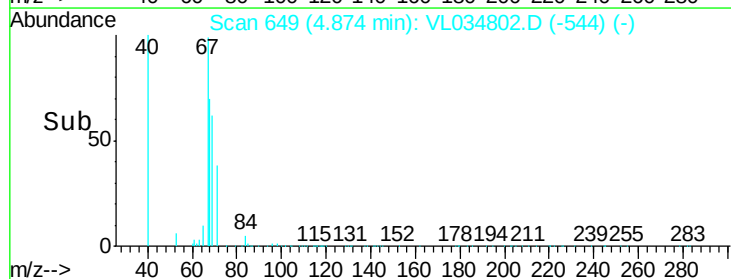
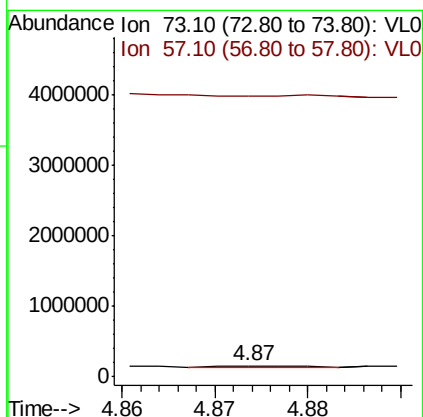
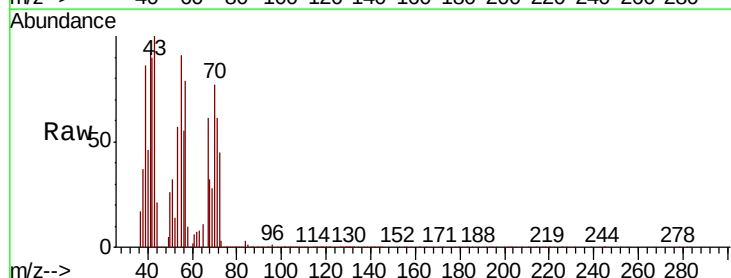
Acq: 5 Mar 2020 19:09

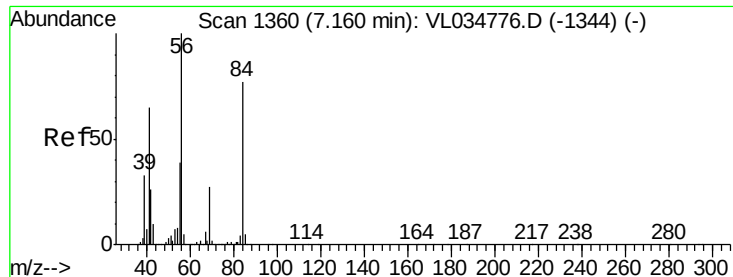
Tgt Ion: 73 Resp: 11352

Ion Ratio Lower Upper

73 100

57 0.0 18.5 27.7#

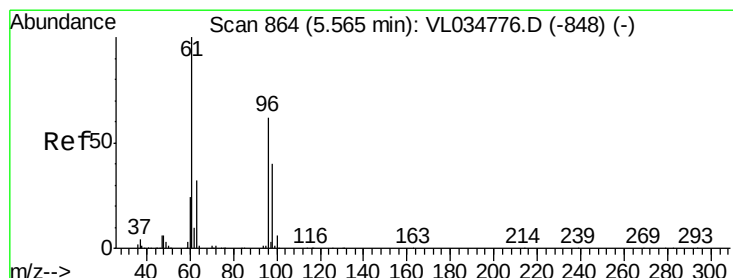
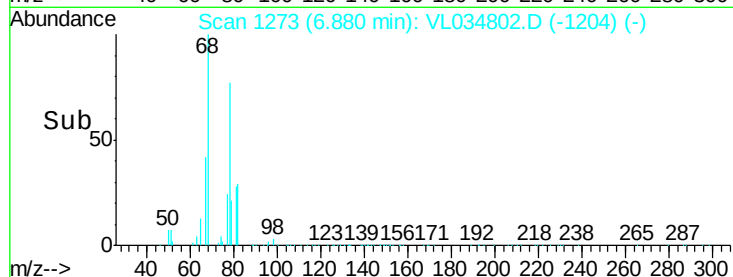
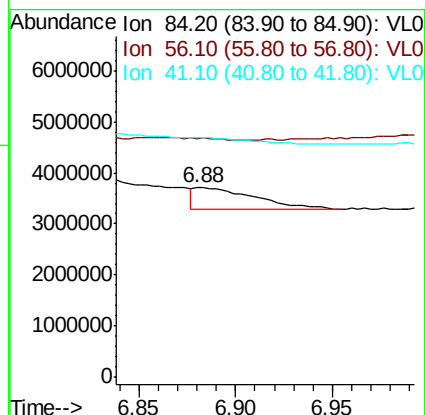
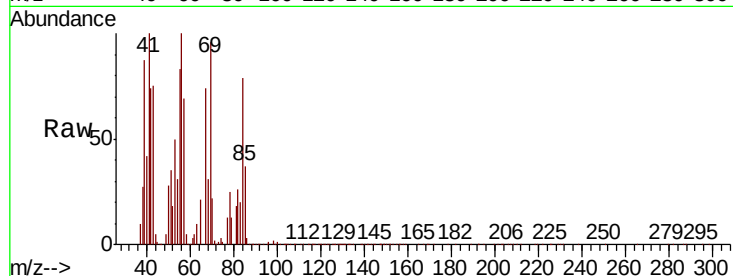




#30
Cyclohexane
Concen: 1647.166 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.28 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

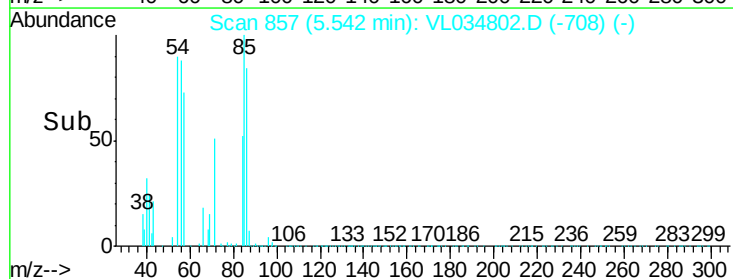
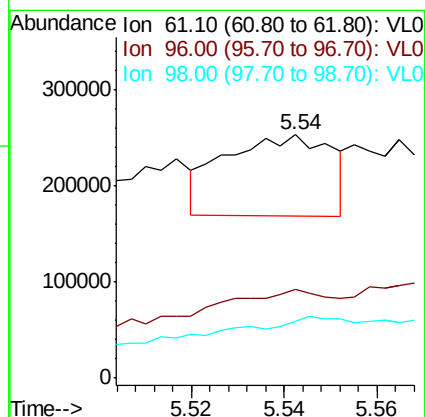
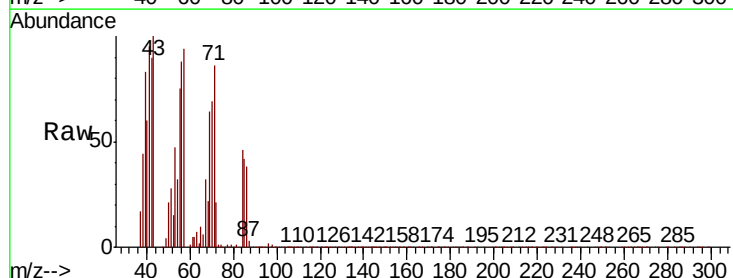
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4

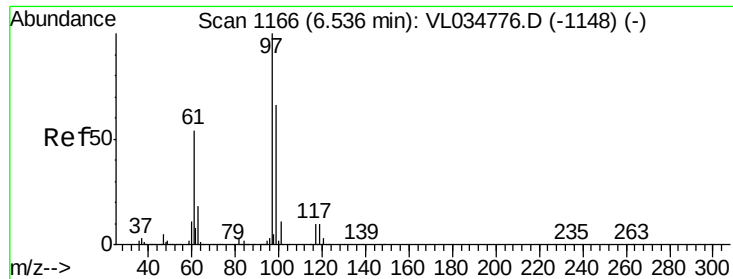
Tot Ion: 84 Resp: 920470
Ion Ratio Lower Upper
84 100
56 146.9 113.2 169.8
41 0.0 70.2 105.4#



#31
cis-1,2-Dichloroethene
Concen: 179.318 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.02 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion: 61 Resp: 134344
Ion Ratio Lower Upper
61 100
96 72.1 49.7 74.5
98 36.8 31.9 47.9





#32

1,1,1-Trichloroethane

Concen: 1.448 ppbv

RT: 6.33 min Scan# 1103

Delta R.T. -0.20 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

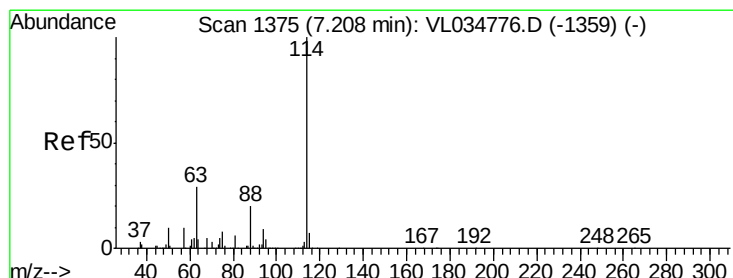
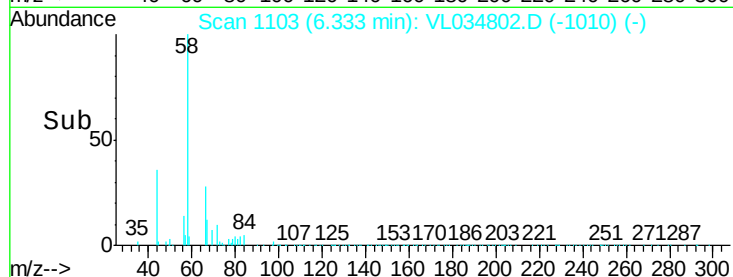
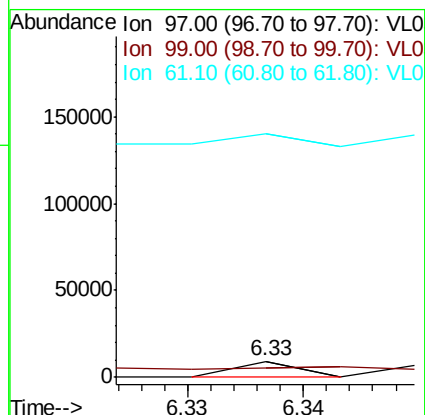
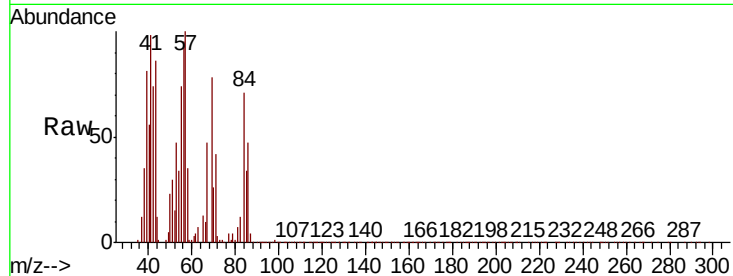
Tot Ion: 97 Resp: 1759

Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5#

61 0.0 43.4 65.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.98 min Scan# 1304

Delta R.T. -0.23 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

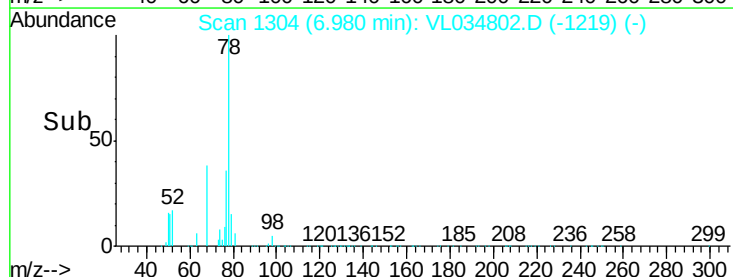
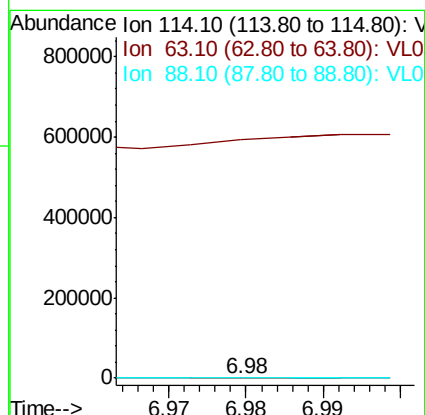
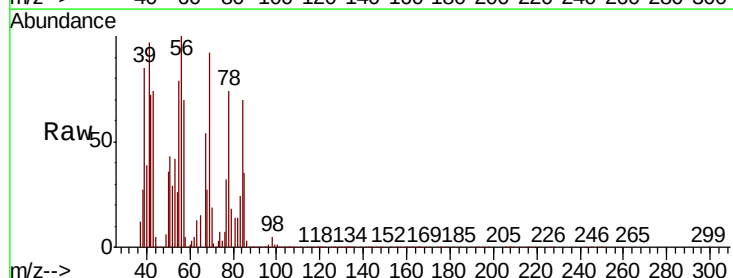
Tgt Ion: 114 Resp: 117

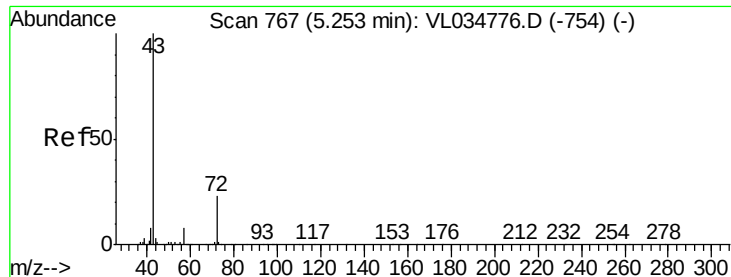
Ion Ratio Lower Upper

114 100

63 0.0 23.6 35.4#

88 0.0 15.8 23.8#

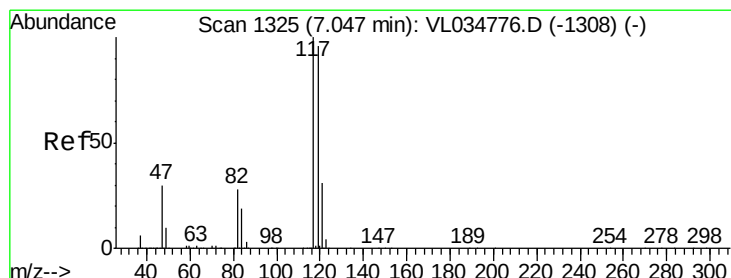
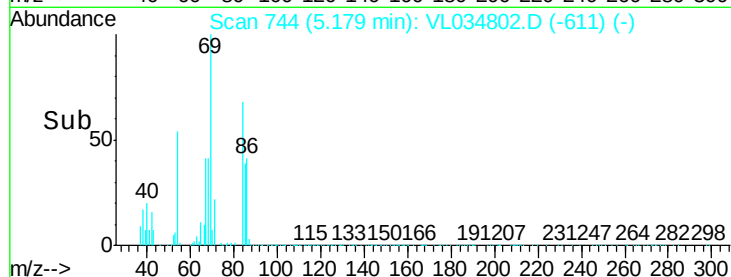
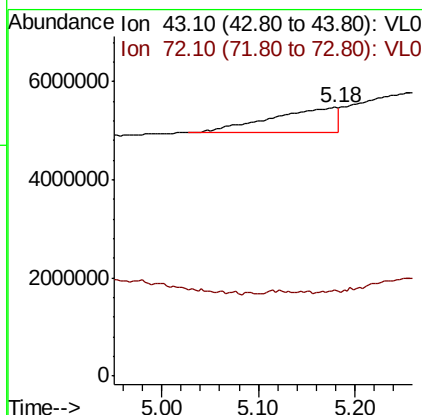
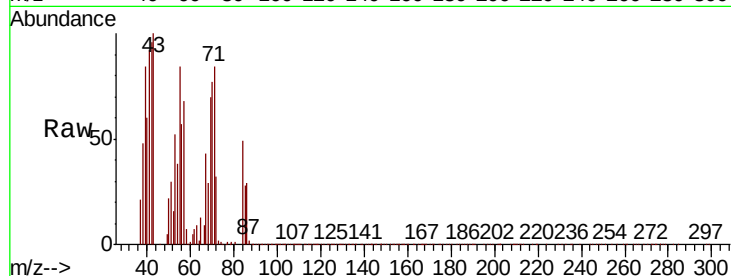




#34
2-Butanone
Concen: 328534.772 ppbv
RT: 5.18 min Scan# 744
Delta R.T. -0.07 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

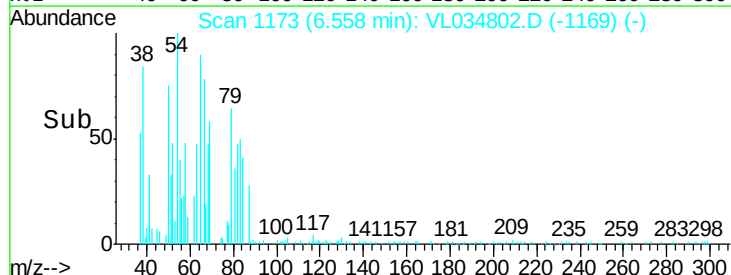
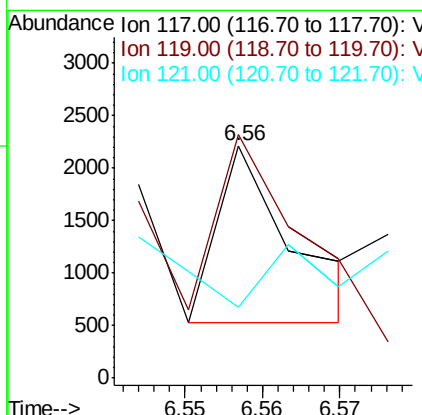
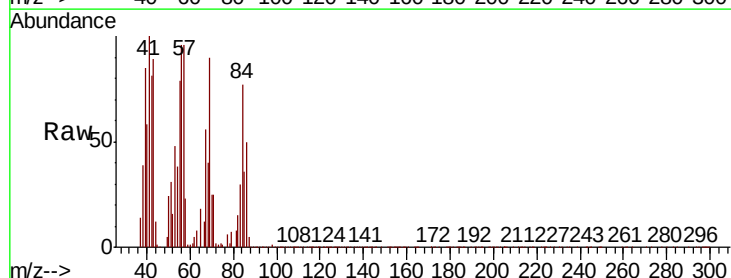
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4

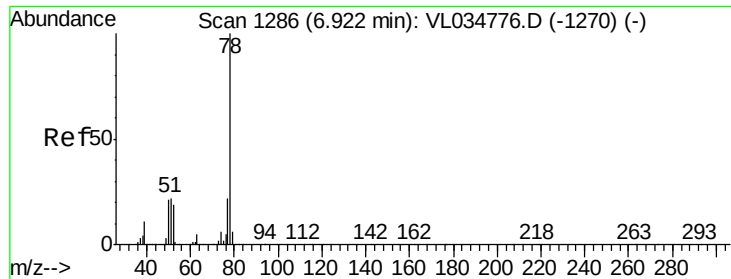
Tot Ion: 43 Resp: 2500717
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#



#35
Carbon Tetrachloride
Concen: 64.338 ppbv
RT: 6.56 min Scan# 1173
Delta R.T. -0.49 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion: 117 Resp: 568
Ion Ratio Lower Upper
117 100
119 99.1 76.8 115.2
121 33.9 24.6 37.0





#36

Benzene

Concen: 2335923.152 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.08 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

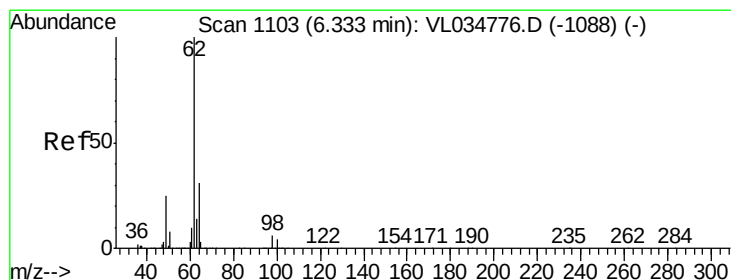
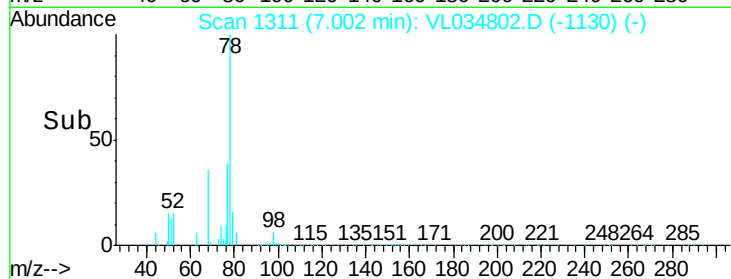
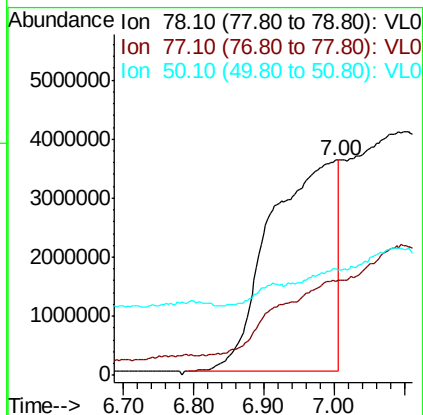
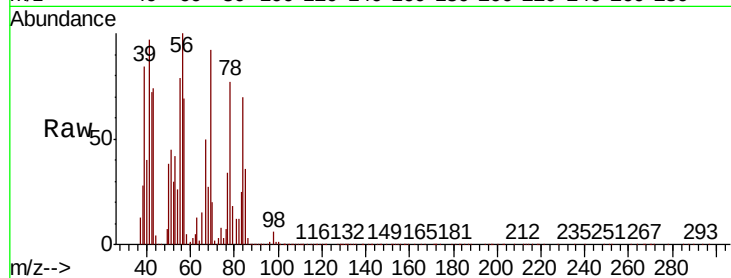
Tot Ion: 78 Resp: 23353946

Ion Ratio Lower Upper

78 100

77 35.2 18.0 27.0#

50 15.4 16.9 25.3#



#37

1,2-Dichloroethane

Concen: 4760.465 ppbv

RT: 6.13 min Scan# 1039

Delta R.T. -0.21 min

Lab File: VL034802.D

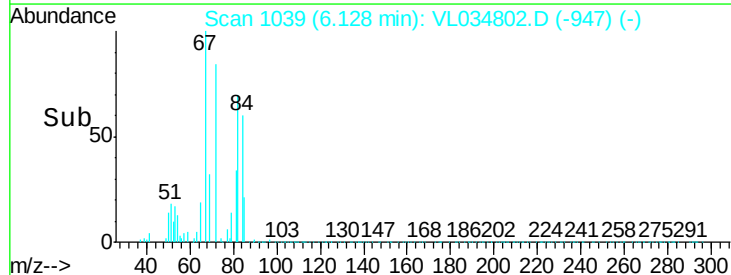
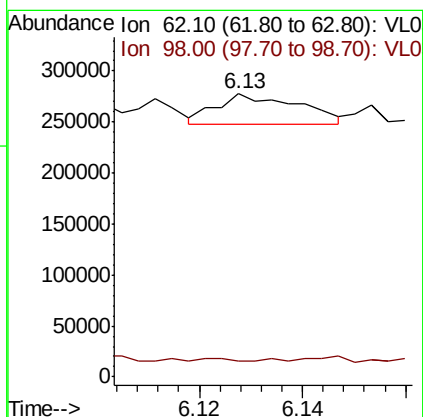
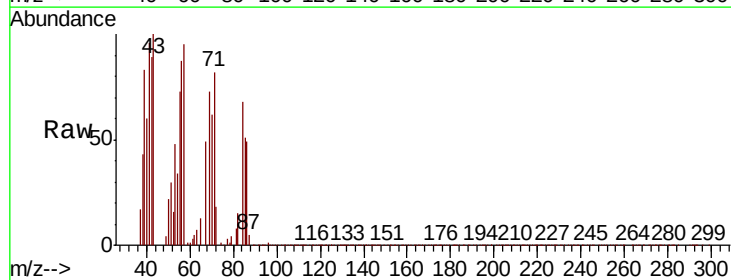
Acq: 5 Mar 2020 19:09

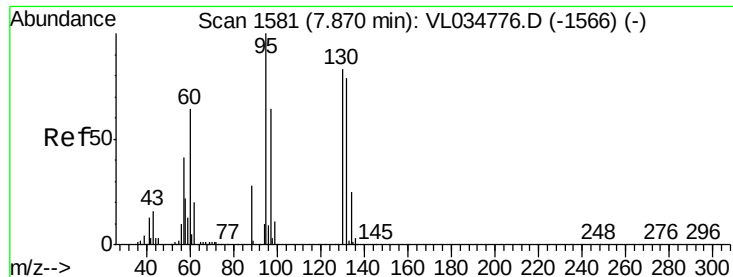
Tgt Ion: 62 Resp: 32509

Ion Ratio Lower Upper

62 100

98 0.0 4.4 6.6#





#38

Trichloroethene

Concen: 24.380 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.25 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

Tot Ion:130 Resp: 95

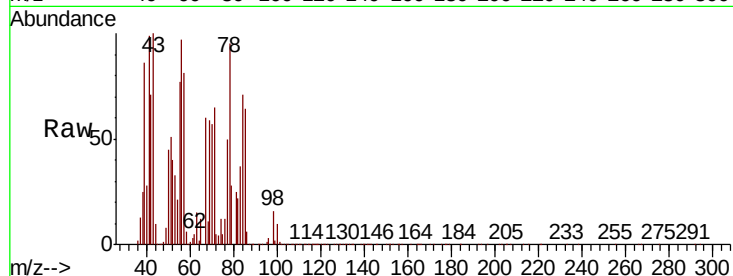
Ion Ratio Lower Upper

130 100

95 986.6 95.8 143.8#

132 56.0 76.1 114.1#

97 0.0 61.1 91.7#

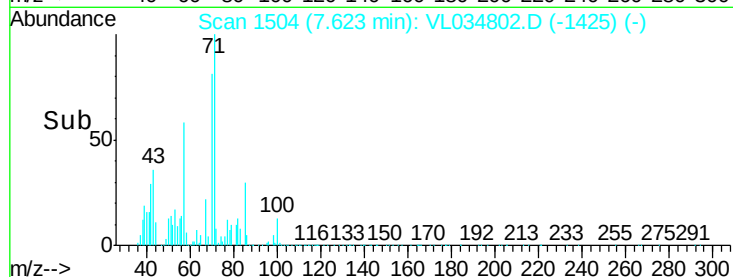


Abundance Ion 130.00 (129.70 to 130.70): V

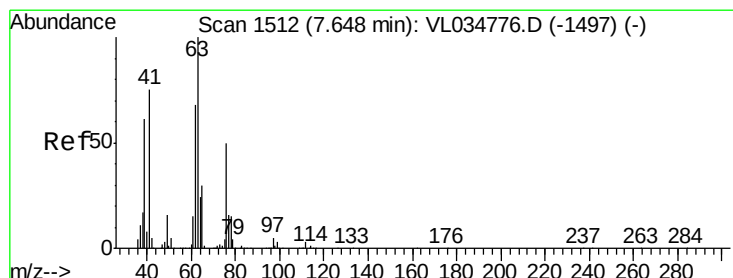
Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->



#39

1,2-Dichloropropane

Concen: 39707.957 ppbv

RT: 7.50 min Scan# 1467

Delta R.T. -0.14 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

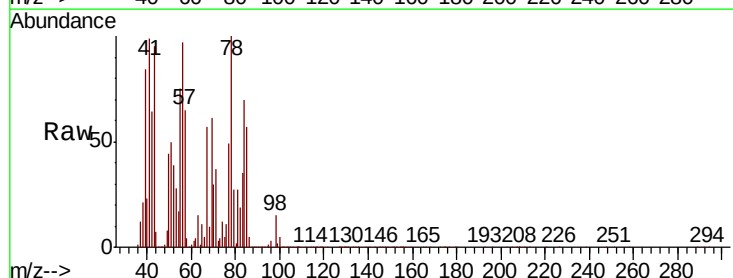
Tgt Ion: 63 Resp: 160211

Ion Ratio Lower Upper

63 100

41 70.6 60.3 90.5

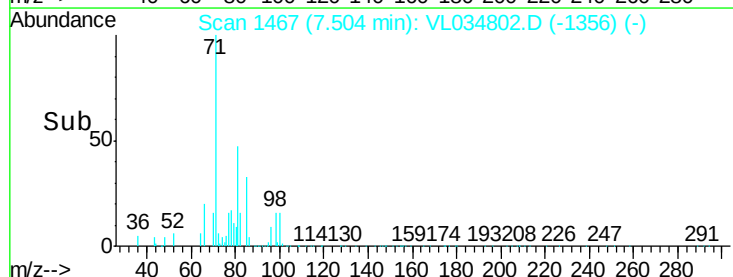
62 60.7 54.5 81.7



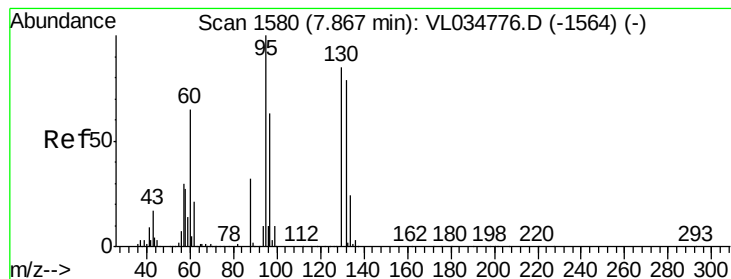
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



Time-->



#40

1,4-Dioxane

Concen: 742.381 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.25 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

Tot Ion: 88 Resp: 1036

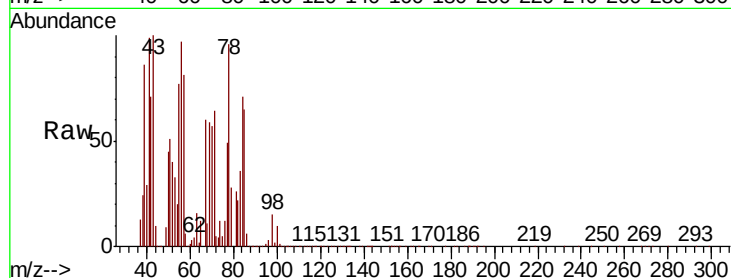
Ion Ratio Lower Upper

88 100

58 0.0 110.6 166.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

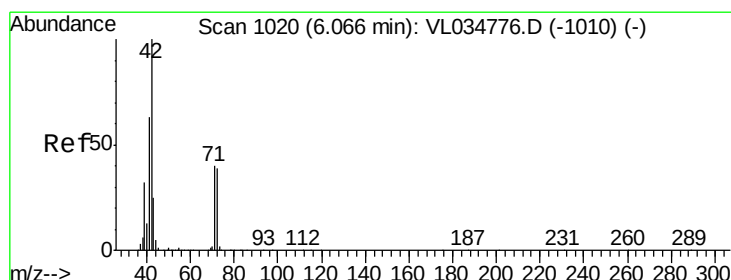
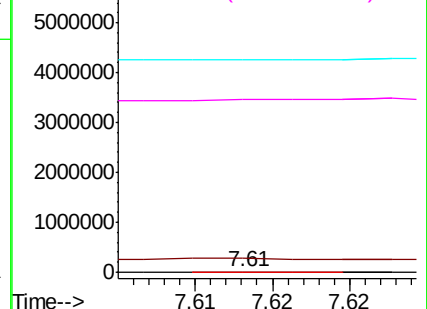
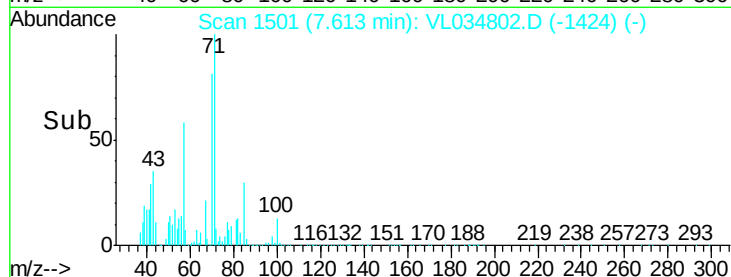


Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#41

Tetrahydrofuran

Concen: 3358.595 ppbv

RT: 5.92 min Scan# 974

Delta R.T. -0.15 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

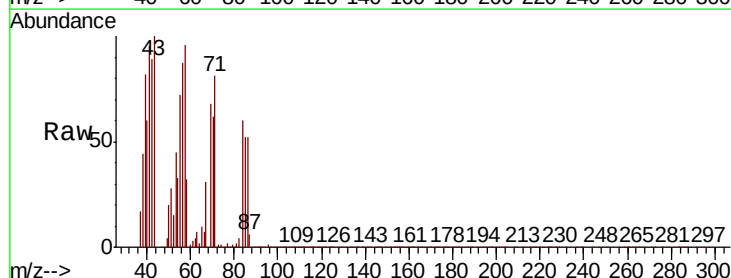
Tgt Ion: 42 Resp: 13044

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

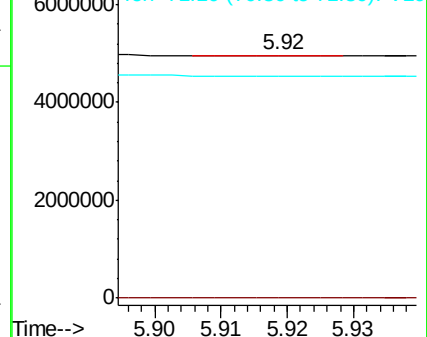
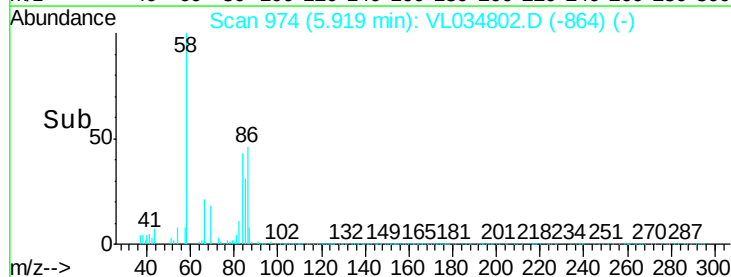
71 0.0 31.3 46.9#

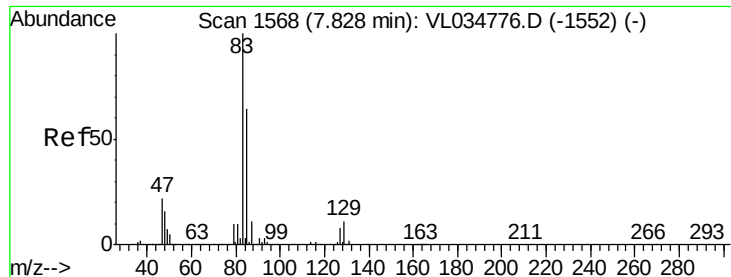


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 8646.165 ppbv

RT: 7.57 min Scan# 1489

Delta R.T. -0.25 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

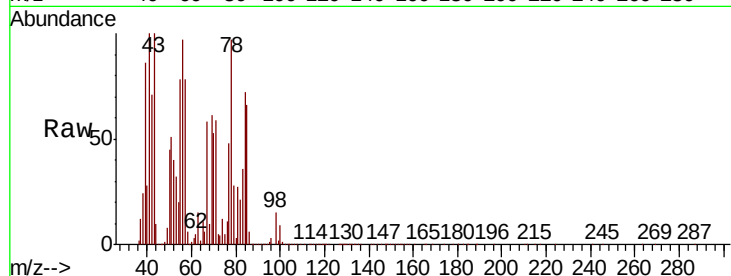
Tot Ion: 83 Resp: 74707

Ion Ratio Lower Upper

83 100

85 11.1 50.8 76.2#

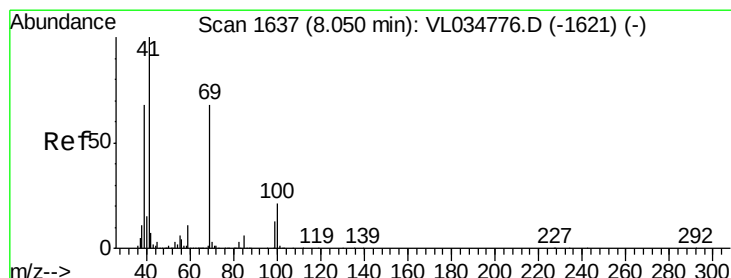
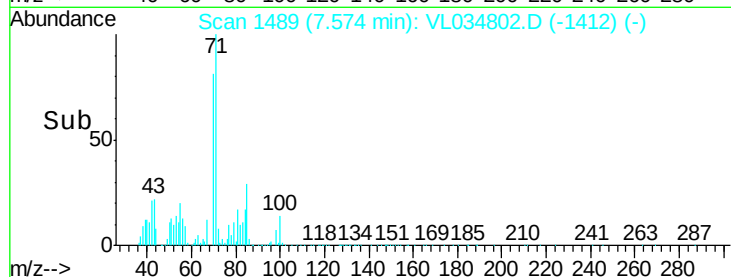
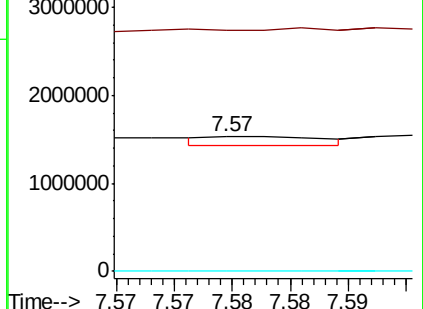
127 0.0 6.5 9.7#



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



#43

Methyl Methacrylate

Concen: 7043.923 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.25 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

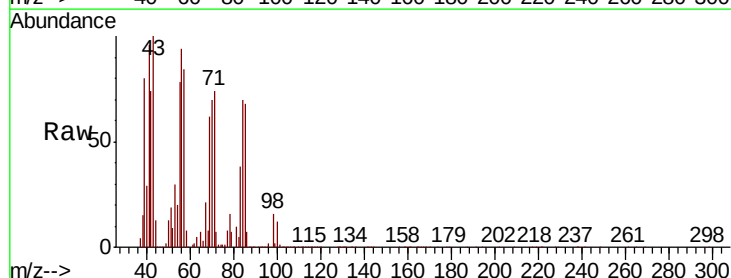
Tgt Ion: 69 Resp: 29842

Ion Ratio Lower Upper

69 100

41 0.0 121.6 182.4#

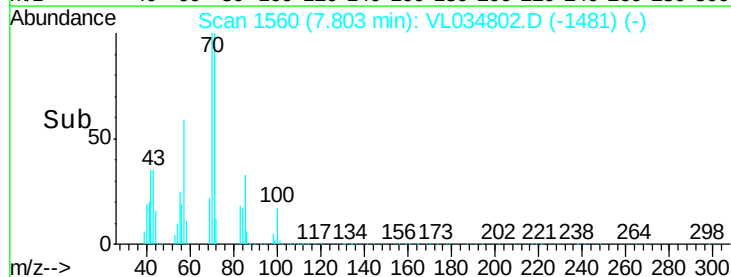
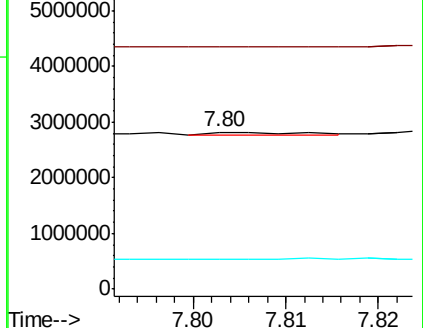
100 0.0 23.8 35.8#

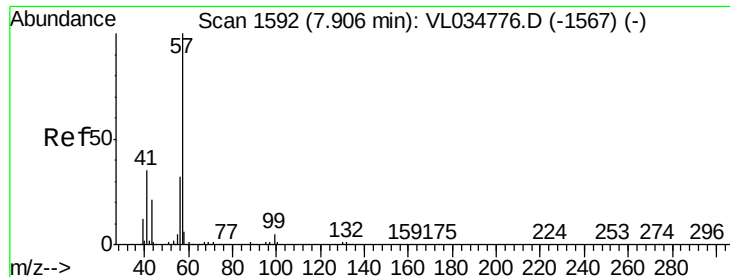


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

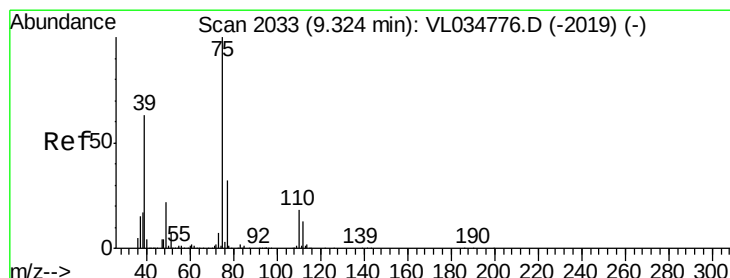
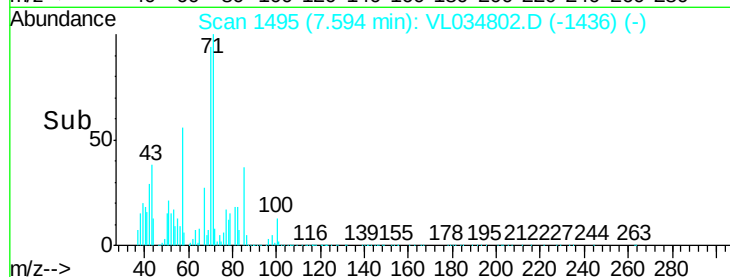
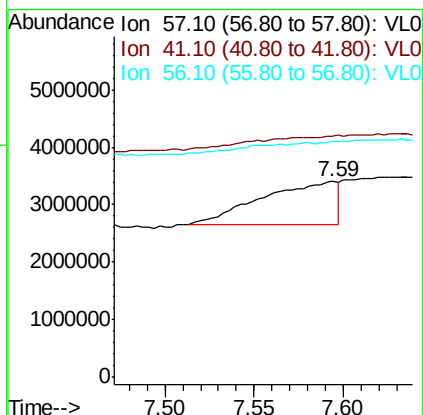
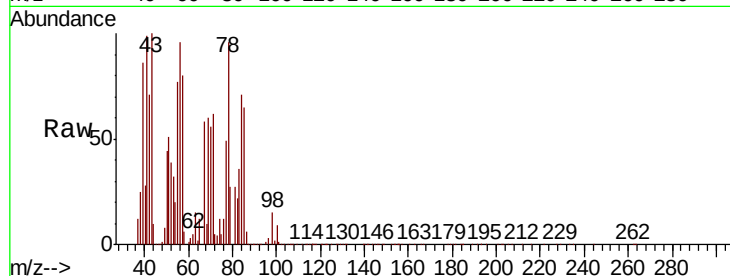




#44
2,2,4-Trimethylpentane
Concen: 130531.315 ppbv
RT: 7.59 min Scan# 1495
Delta R.T. -0.31 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

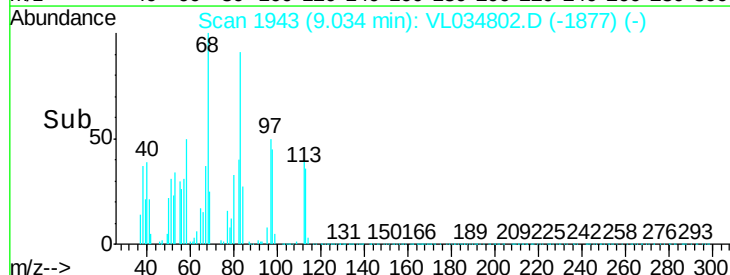
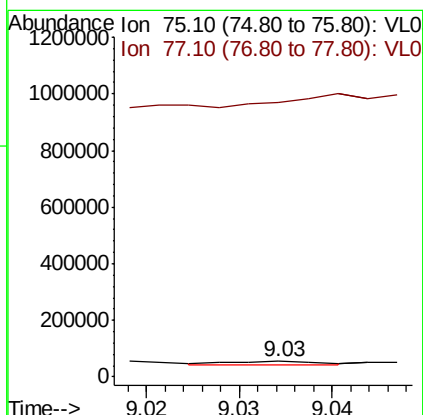
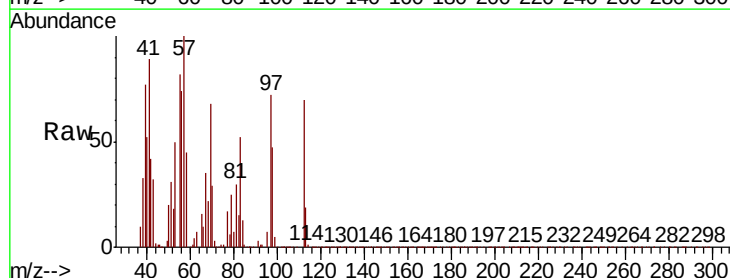
Instrument :
MSVOA_L
ClientSampled :
SS-4-4

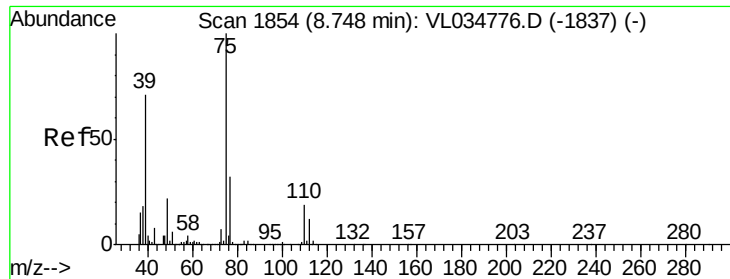
Tot Ion: 57 Resp: 2280554
Ion Ratio Lower Upper
57 100
41 94.8 27.4 41.0#
56 97.6 25.0 37.6#



#45
t-1,3-Dichloropropene
Concen: 2140.712 ppbv
RT: 9.03 min Scan# 1943
Delta R.T. -0.29 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion: 75 Resp: 9521
Ion Ratio Lower Upper
75 100
77 1774.7 25.6 38.4#



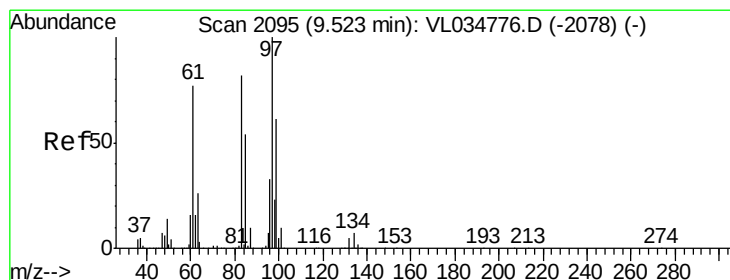
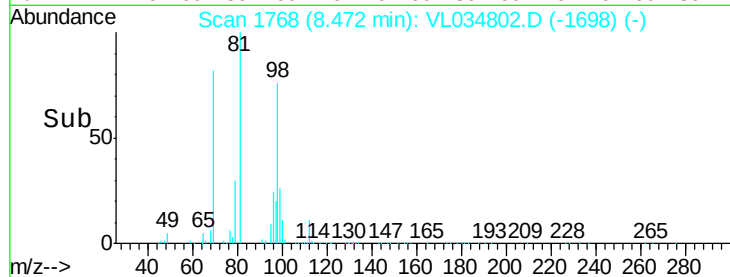
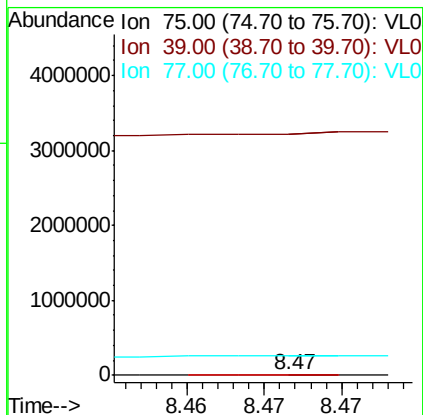
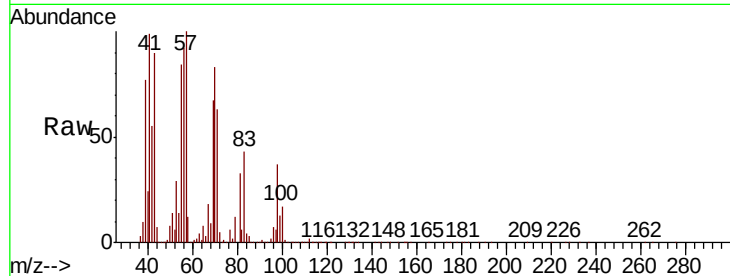


#46

cis-1,3-Dichloropropene
 Concen: 177.134 ppbv
 RT: 8.47 min Scan# 1768
 Delta R.T. -0.28 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4

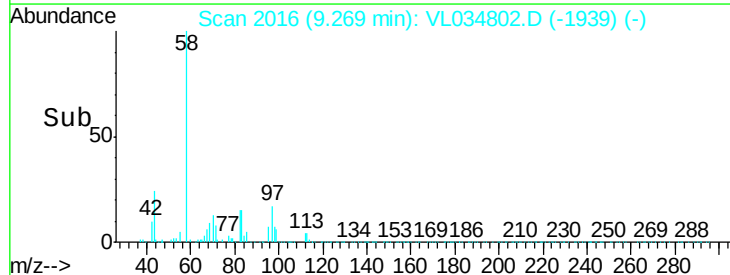
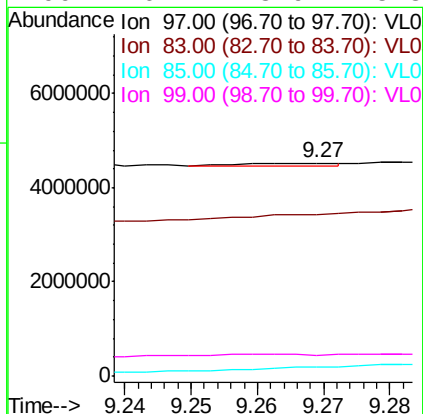
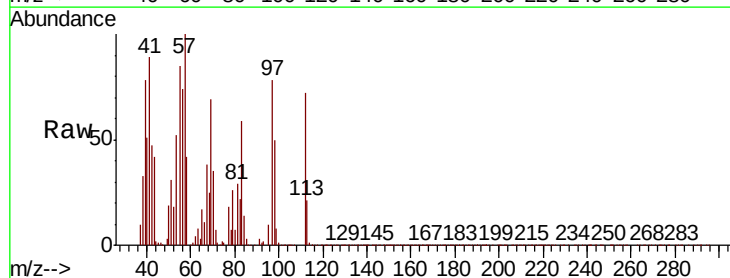
Tot Ion	Ratio	Lower	Upper
75	100		
39	0.0	56.9	85.3#
77	0.0	25.7	38.5#

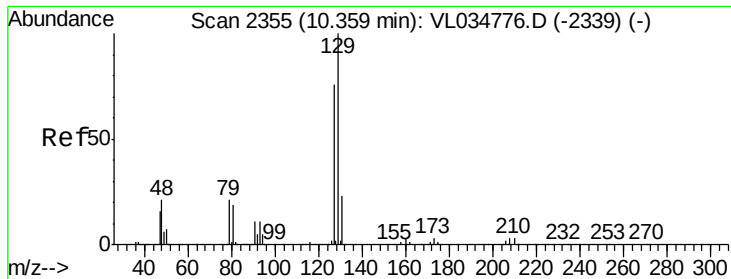


#47

1,1,2-Trichloroethane
 Concen: 12155.758 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. -0.25 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	202.1	65.2	97.8#
85	168.7	43.6	65.4#
99	6.4	48.9	73.3#





#48

Dibromochloromethane

Concen: 89.475 ppbv

RT: 10.03 min Scan# 2253

Delta R.T. -0.33 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

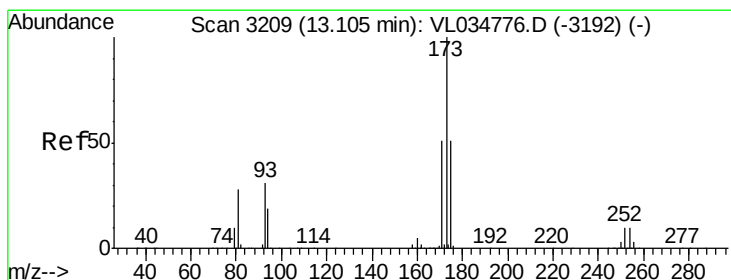
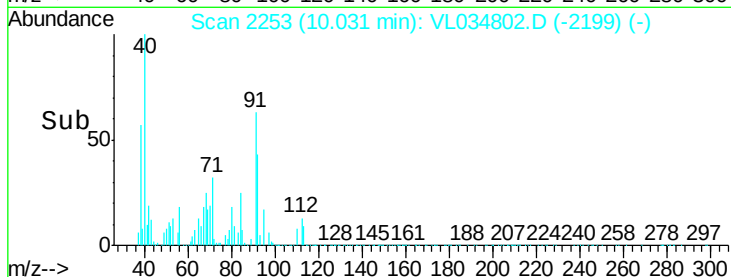
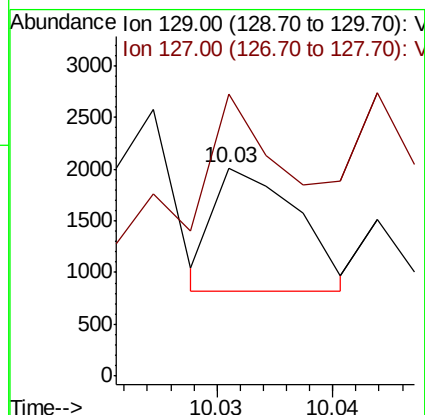
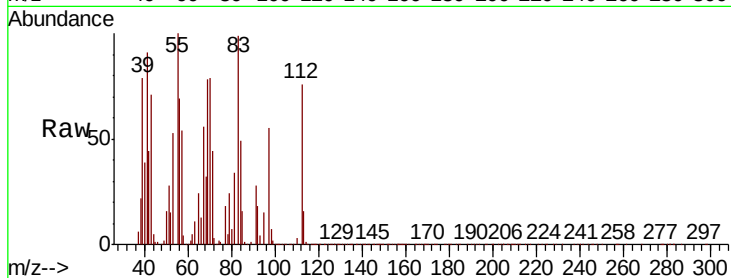
SS-4-4

Tot Ion:129 Resp: 596

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#



#49

Bromoform

Concen: 10.839 ppbv

RT: 12.76 min Scan# 3102

Delta R.T. -0.34 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

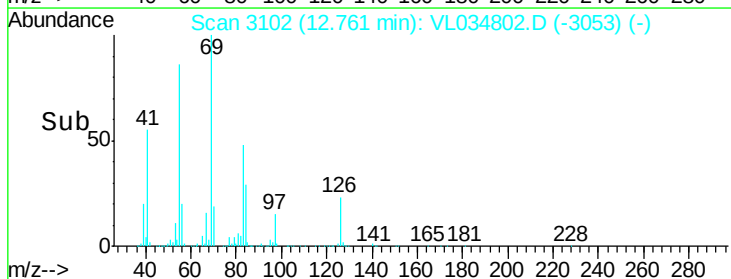
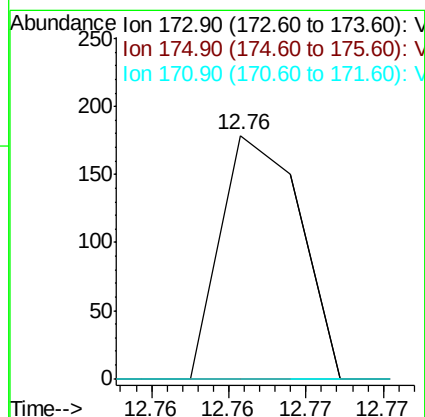
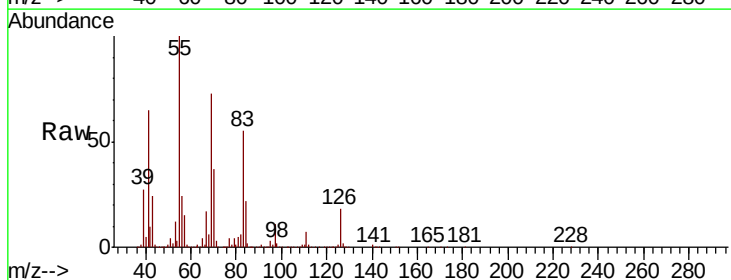
Tgt Ion:173 Resp: 63

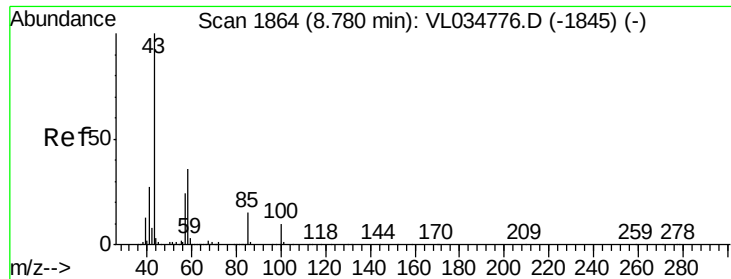
Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.6#

171 228.6 41.0 61.4#

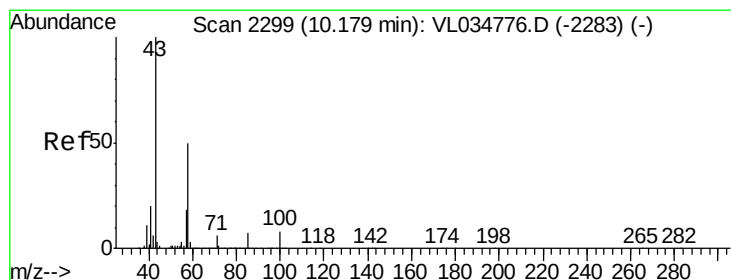
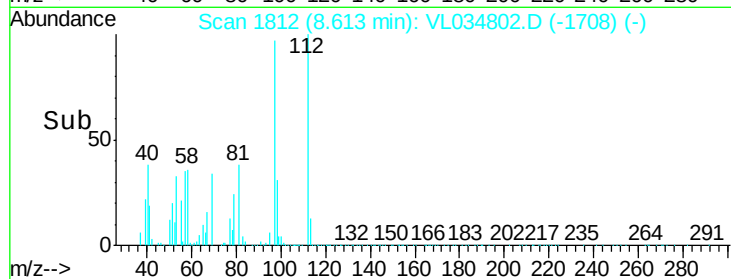
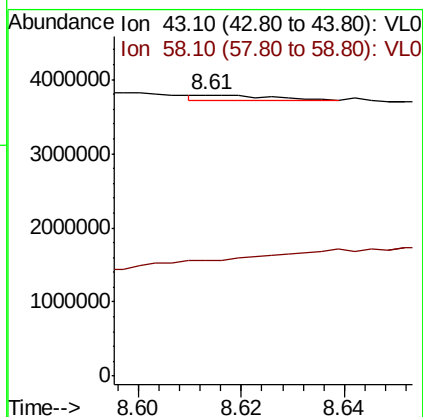
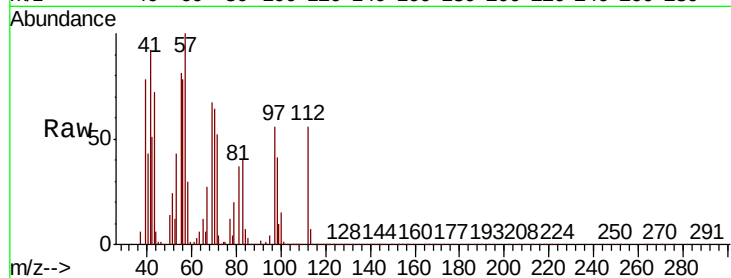




#50
4-Methyl-2-Pentanone
Concen: 5635.534 ppbv
RT: 8.61 min Scan# 1812
Delta R.T. -0.17 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

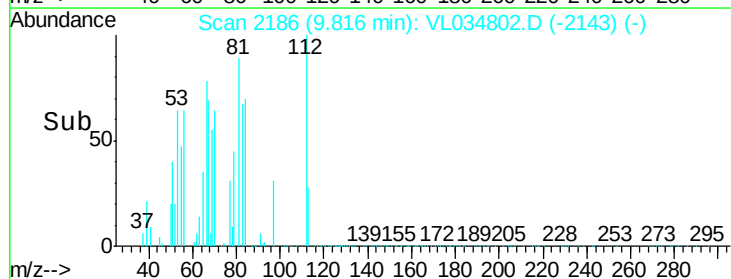
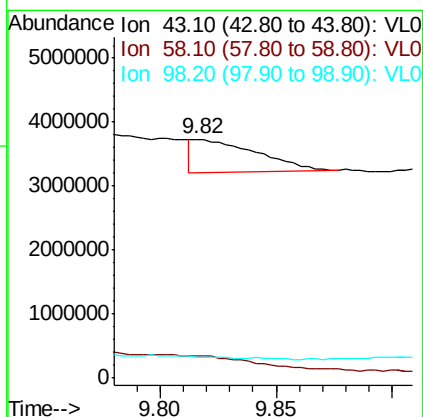
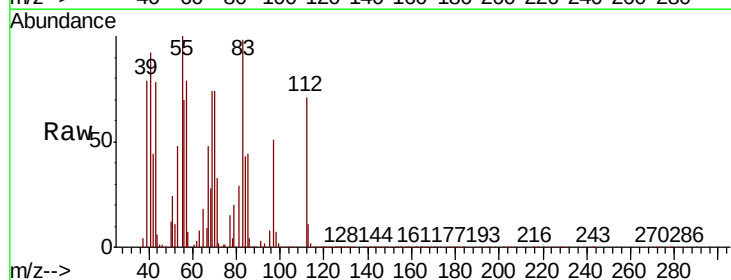
Instrument :
MSVOA_L
ClientSampleID :
SS-4-4

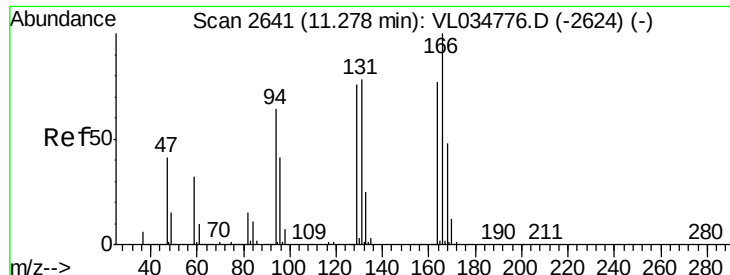
Tot Ion: 43 Resp: 61464
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#



#51
2-Hexanone
Concen: 114277.968 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.36 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion: 43 Resp: 977709
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0#
98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 22.741 ppbv

RT: 10.97 min Scan# 2544

Delta R.T. -0.31 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

Tot Ion:164 Resp: 84

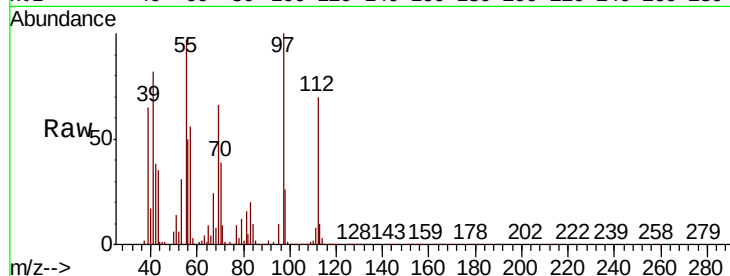
Ion Ratio Lower Upper

164 100

166 0.0 103.3 154.9#

129 189.8 79.0 118.4#

131 8.3 81.0 121.4#

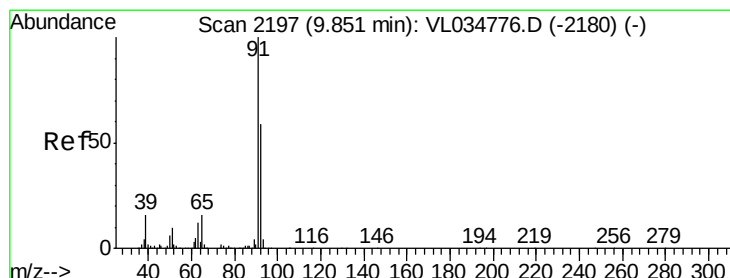
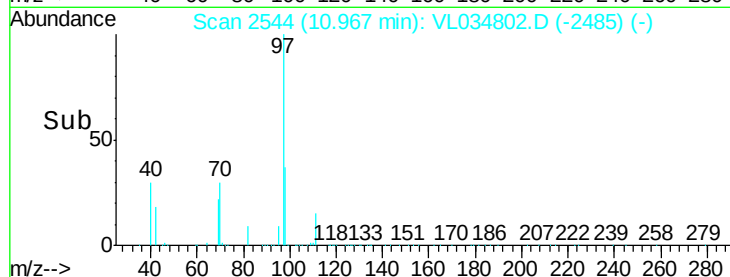
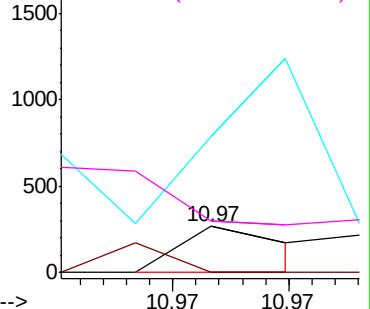


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10406.729 ppbv

RT: 9.63 min Scan# 2129

Delta R.T. -0.22 min

Lab File: VL034802.D

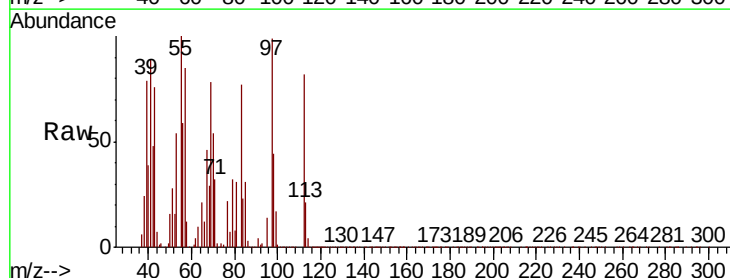
Acq: 5 Mar 2020 19:09

Tgt Ion: 91 Resp: 110117

Ion Ratio Lower Upper

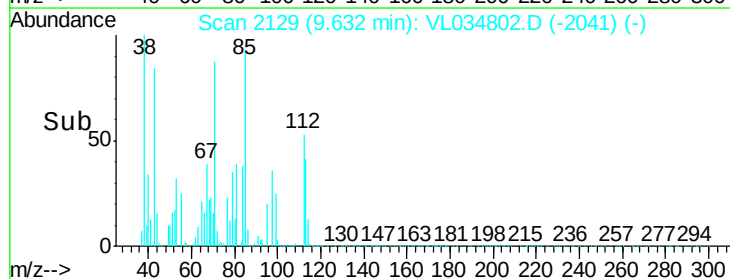
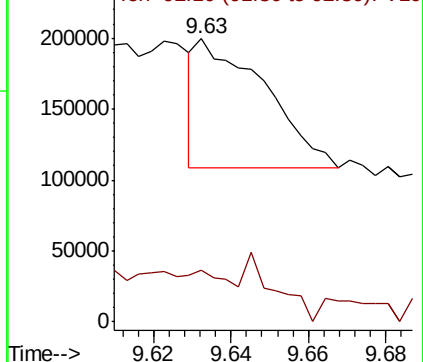
91 100

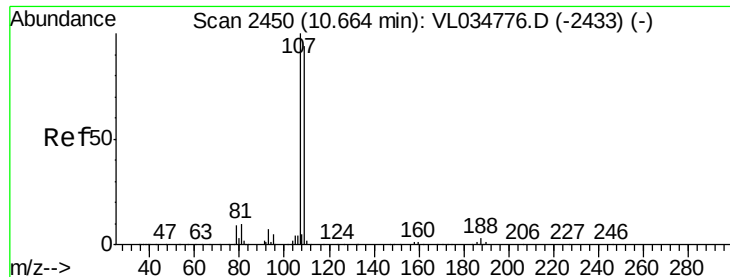
92 74.4 48.2 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 52.551 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.34 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

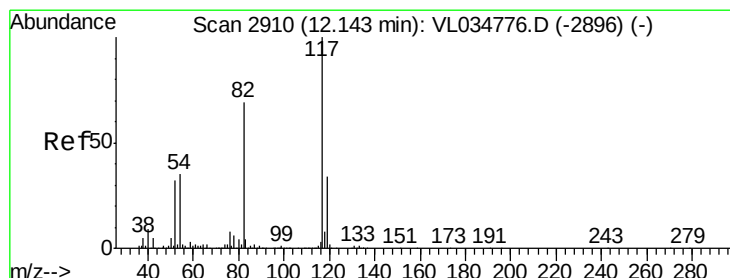
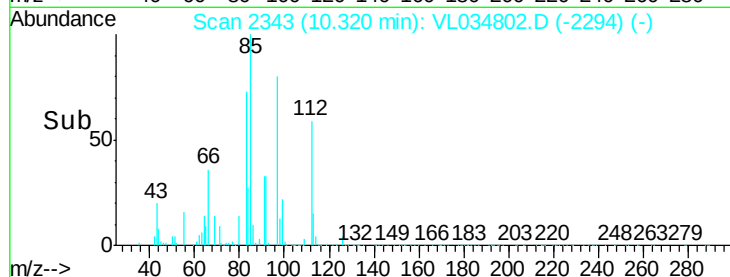
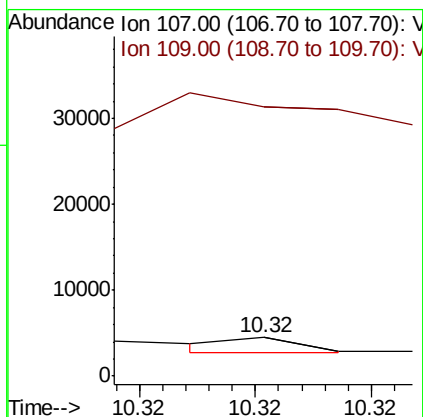
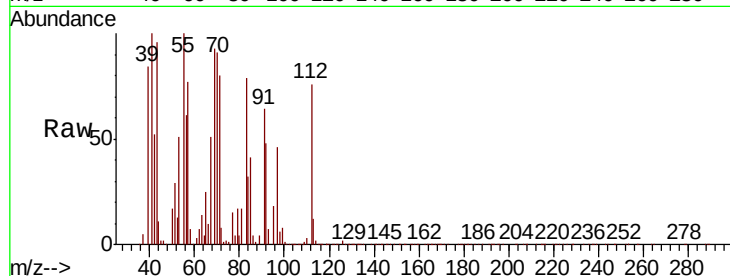
SS-4-4

Tot Ion:107 Resp: 331

Ion Ratio Lower Upper

107 100

109 16.4 75.0 112.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.76 min Scan# 2792

Delta R.T. -0.38 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

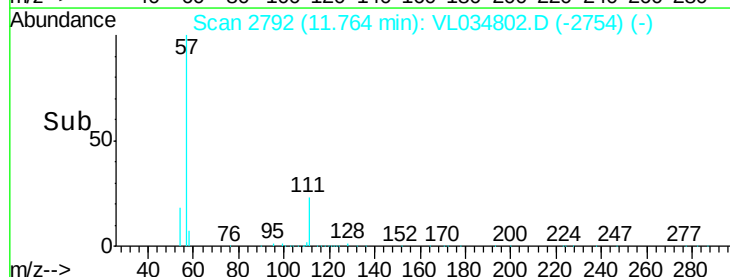
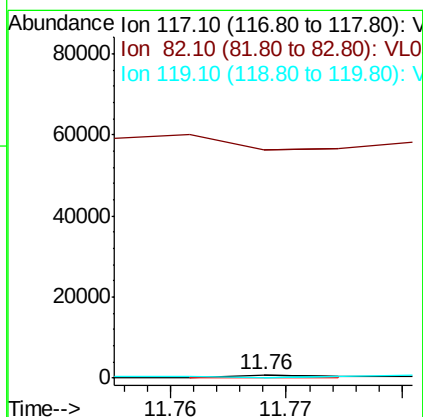
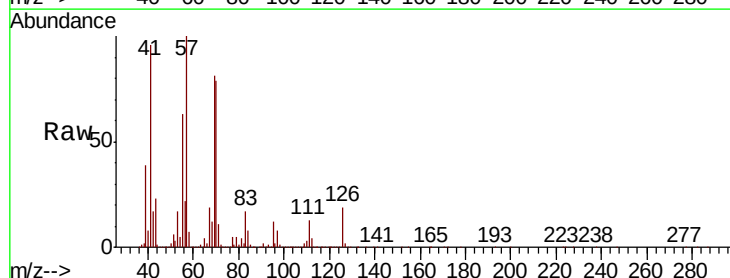
Tgt Ion:117 Resp: 262

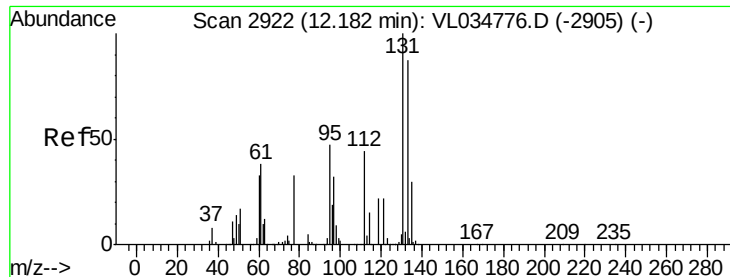
Ion Ratio Lower Upper

117 100

82 0.0 53.9 80.9#

119 0.0 25.0 37.4#

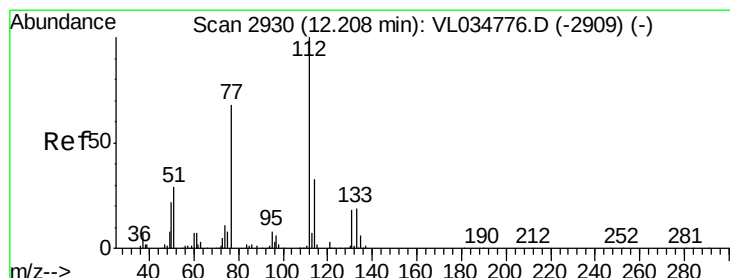
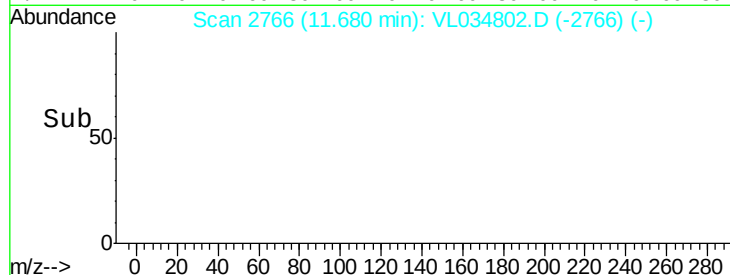
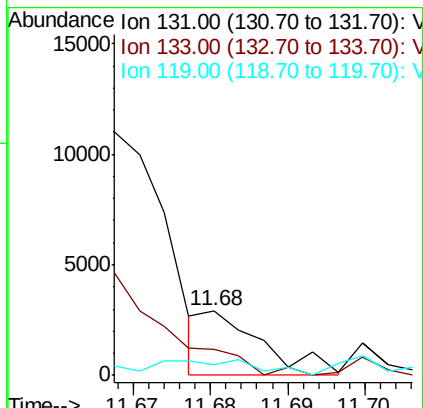
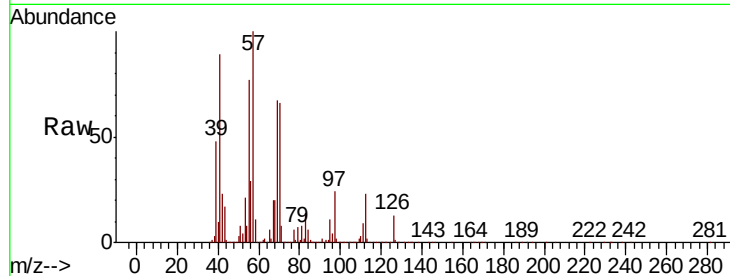




#56
1,1,1,2-Tetrachloroethane
Concen: 135.587 ppbv
RT: 11.68 min Scan# 2766
Delta R.T. -0.50 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

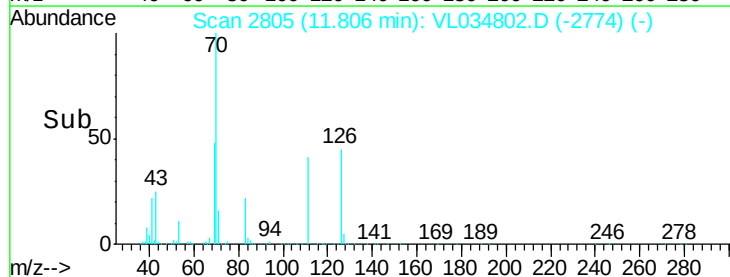
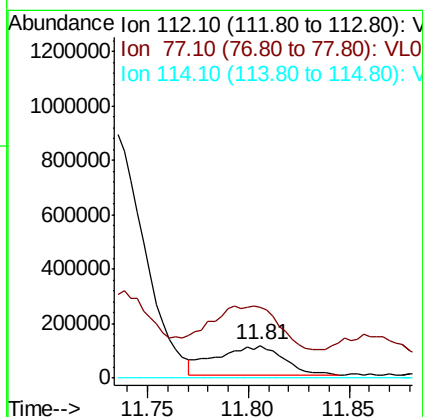
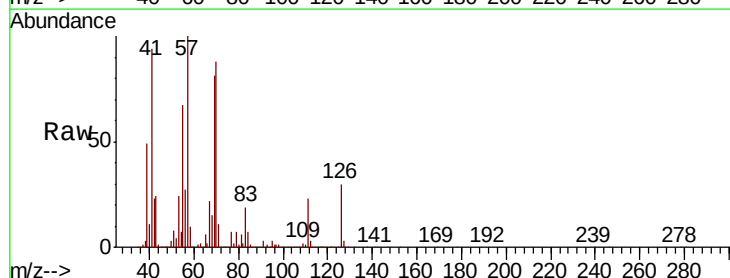
Instrument :
MSVOA_L
ClientSampled :
SS-4-4

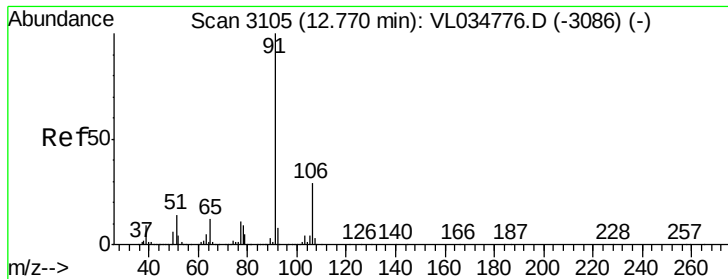
Tot Ion:131 Resp: 1574
Ion Ratio Lower Upper
131 100
133 0.0 75.4 113.0#
119 76.7 110.5 165.7#



#57
Chlorobenzene
Concen: 12483.867 ppbv
RT: 11.81 min Scan# 2805
Delta R.T. -0.40 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion:112 Resp: 249851
Ion Ratio Lower Upper
112 100
77 121.3 55.6 83.4#
114 0.0 29.4 36.0#





#58

Ethyl Benzene

Concen: 111.653 ppbv

RT: 12.84 min Scan# 3127

Delta R.T. 0.07 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

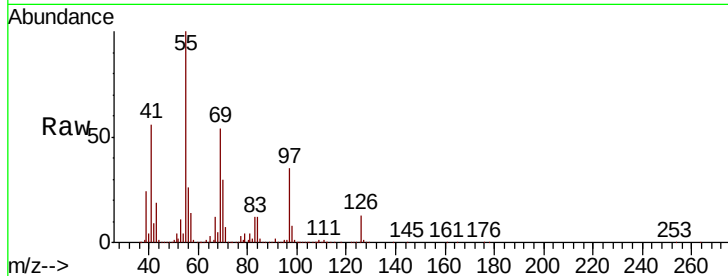
SS-4-4

Tot Ion: 91 Resp: 3605

Ion Ratio Lower Upper

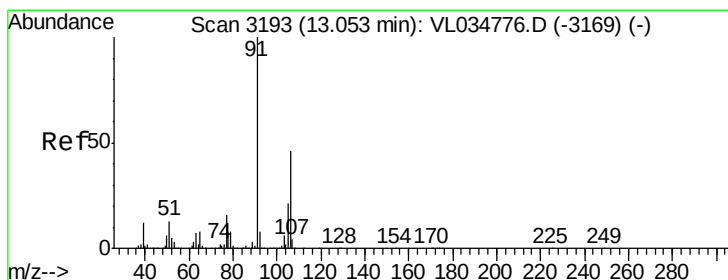
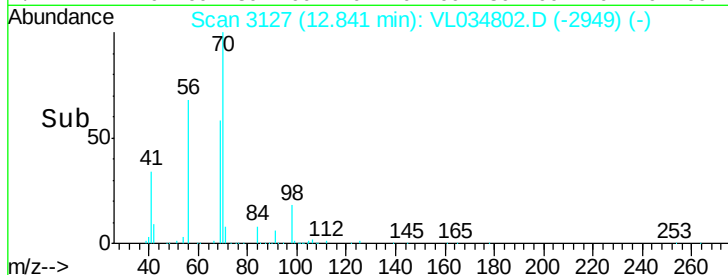
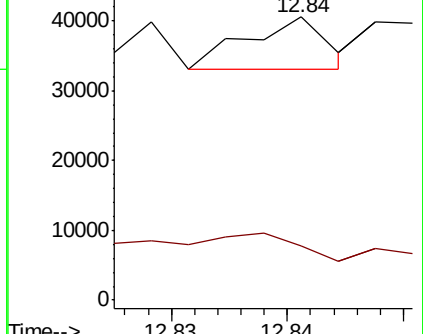
91 100

106 30.8 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1667.371 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.38 min

Lab File: VL034802.D

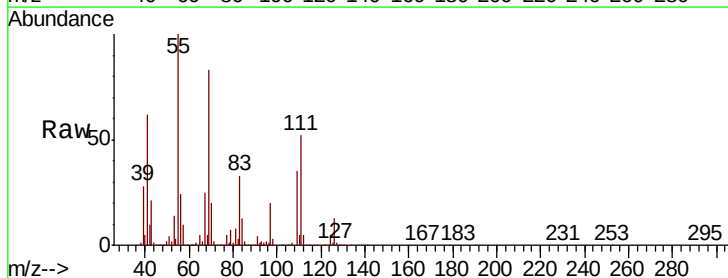
Acq: 5 Mar 2020 19:09

Tgt Ion: 91 Resp: 46602

Ion Ratio Lower Upper

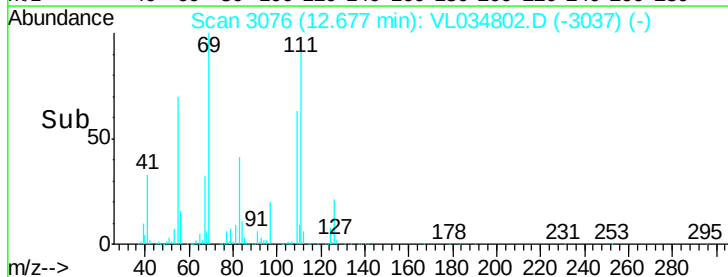
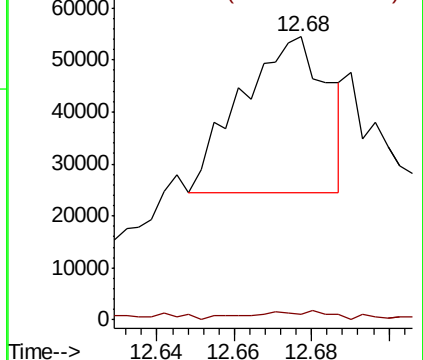
91 100

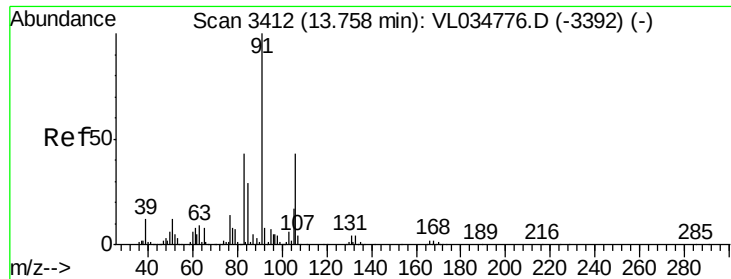
106 0.0 35.8 53.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

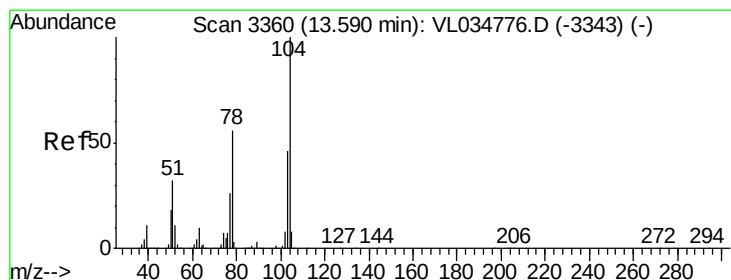
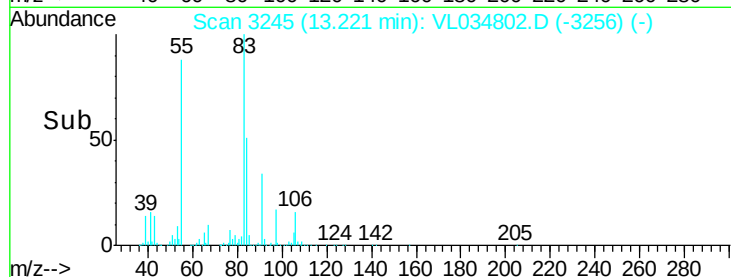
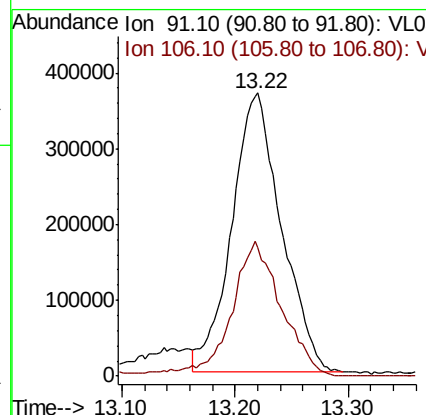
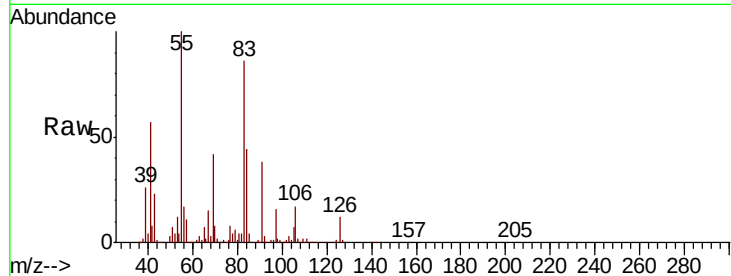




#60
o-Xylene
Concen: 39663.096 ppbv
RT: 13.22 min Scan# 3245
Delta R.T. -0.54 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

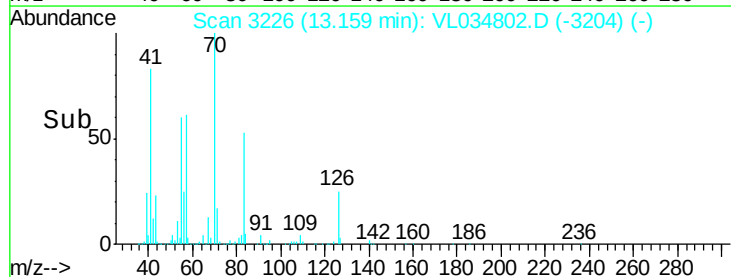
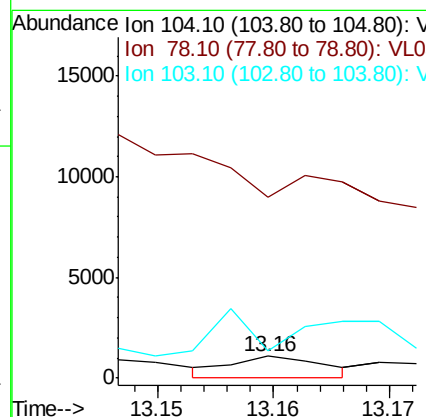
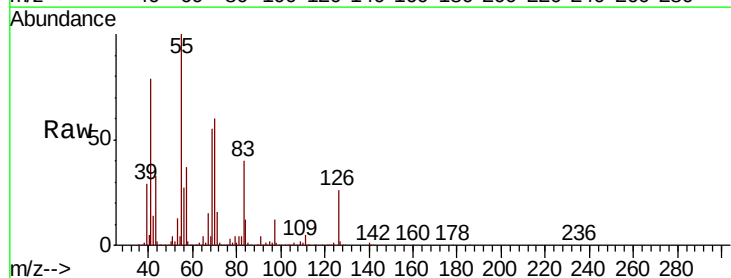
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4

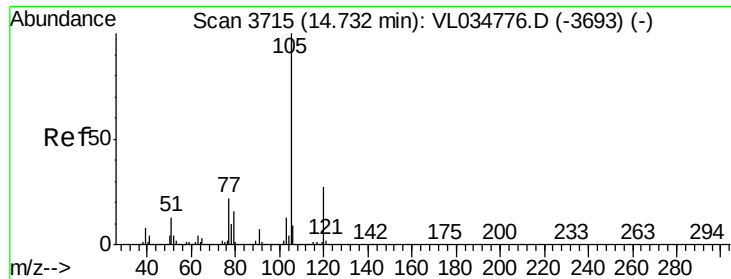
Tot Ion: 91 Resp: 1121615
Ion Ratio Lower Upper
91 100
106 48.7 21.7 65.1



#61
Styrene
Concen: 34.088 ppbv
RT: 13.16 min Scan# 3226
Delta R.T. -0.43 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion:104 Resp: 598
Ion Ratio Lower Upper
104 100
78 0.0 44.7 67.1#
103 0.0 38.2 57.2#





#62

Isopropylbenzene

Concen: 31.740 ppbv

RT: 13.93 min Scan# 3467

Delta R.T. -0.80 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

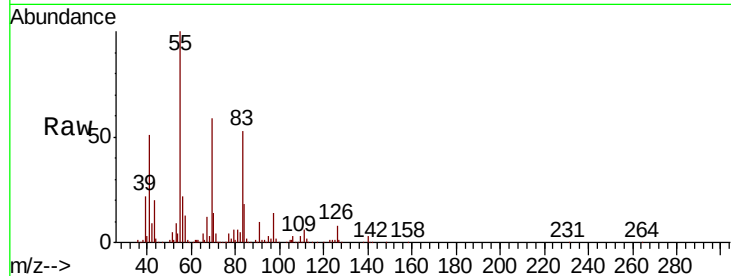
SS-4-4

Tot Ion:105 Resp: 1321

Ion Ratio Lower Upper

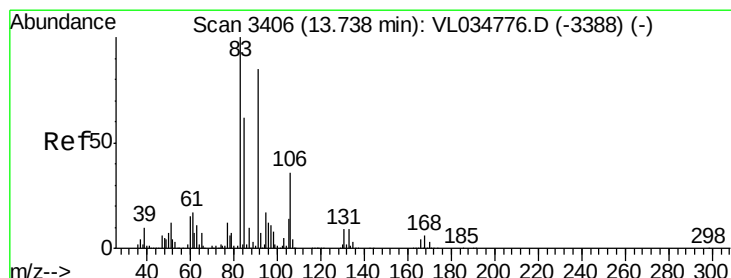
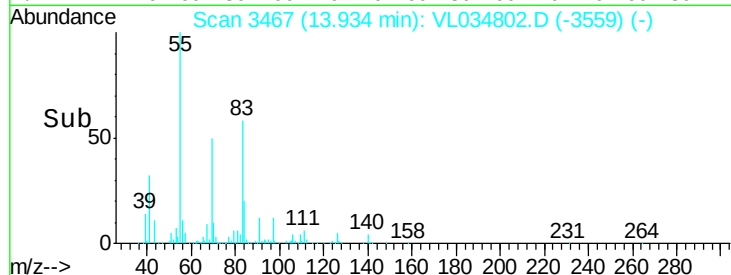
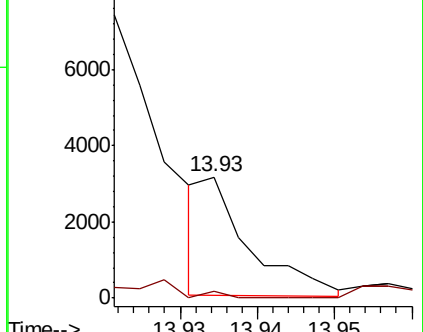
105 100

120 21.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 3934.043 ppbv

RT: 13.29 min Scan# 3267

Delta R.T. -0.45 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

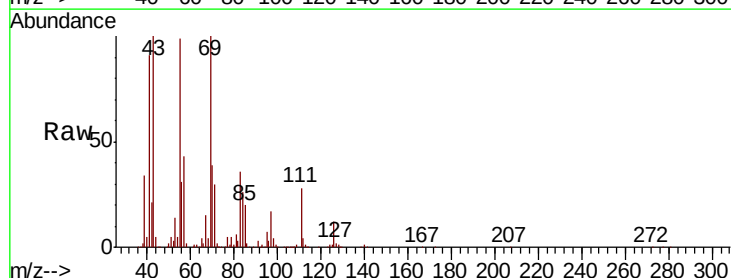
Tgt Ion: 83 Resp: 87699

Ion Ratio Lower Upper

83 100

131 0.2 4.7 14.0#

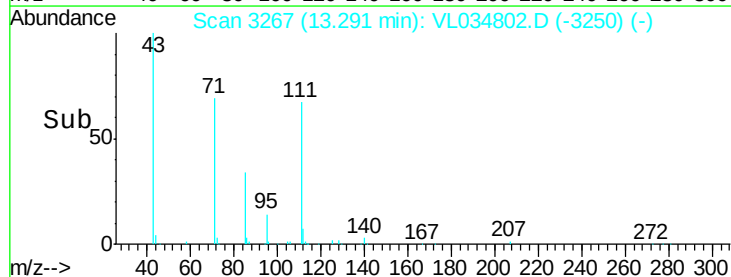
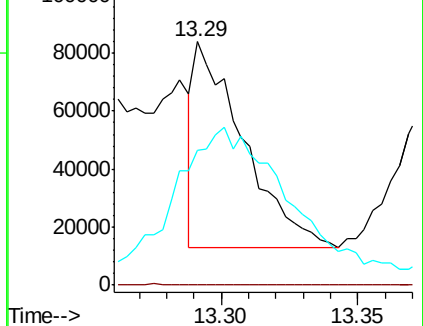
85 192.0 32.9 98.7#

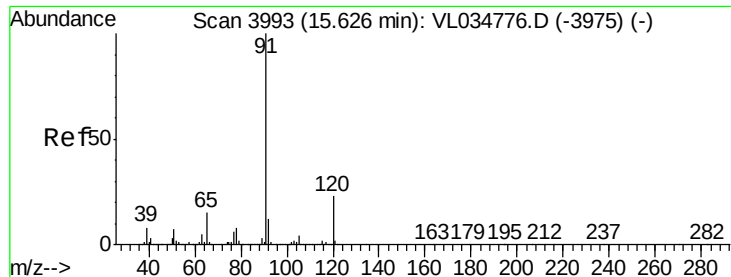


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 8.433 ppbv

RT: 15.15 min Scan# 3846

Delta R.T. -0.47 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

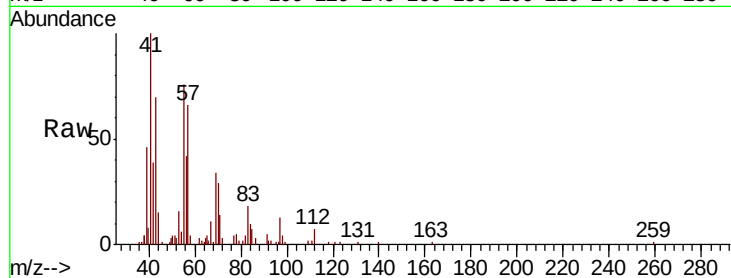
SS-4-4

Tot Ion:120 Resp: 88

Ion Ratio Lower Upper

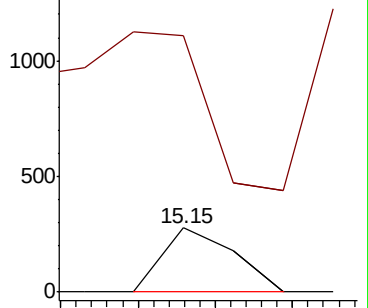
120 100

91 1772.7 379.4 569.2#

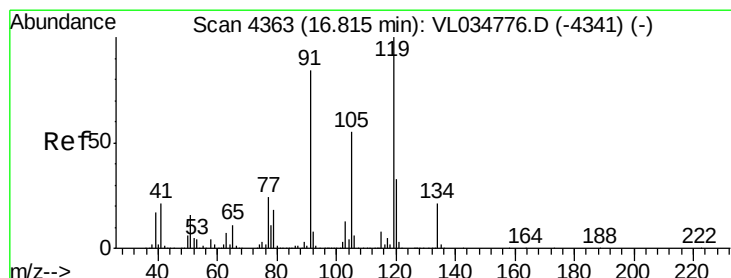
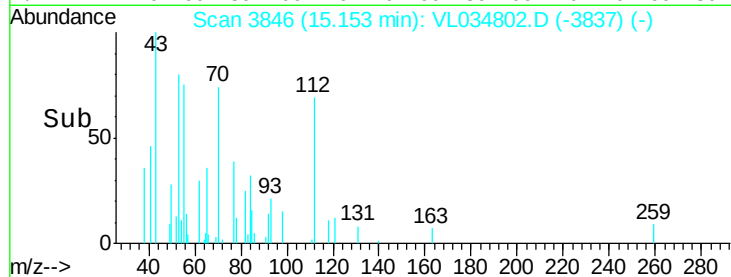


Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time--> 15.15 15.15 15.15 15.16



#65

tert-Butylbenzene

Concen: 0.853 ppbv

RT: 16.41 min Scan# 4238

Delta R.T. -0.40 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

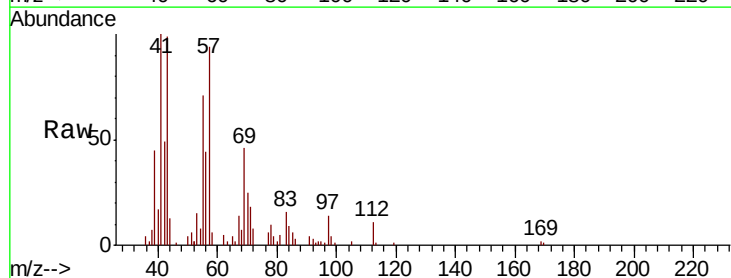
Tgt Ion:119 Resp: 30

Ion Ratio Lower Upper

119 100

91 9396.7 69.8 104.6#

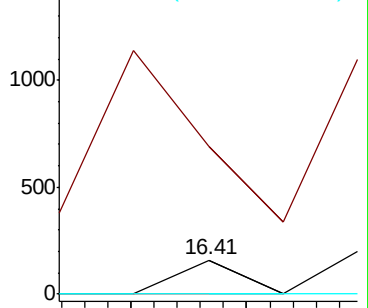
134 0.0 15.9 23.9#



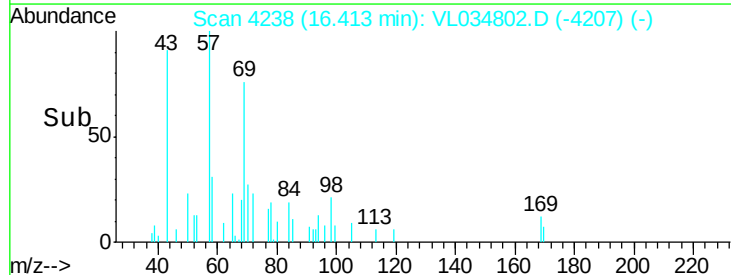
Abundance Ion 119.20 (118.90 to 119.90): V

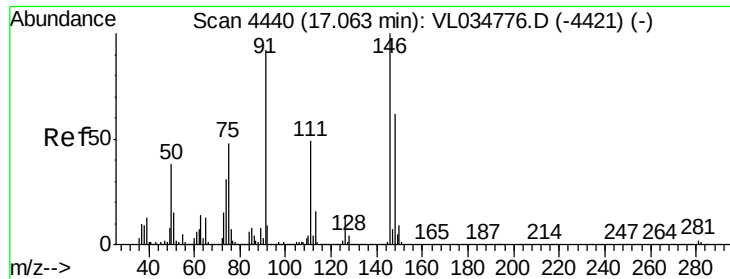
Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time--> 16.41 16.41

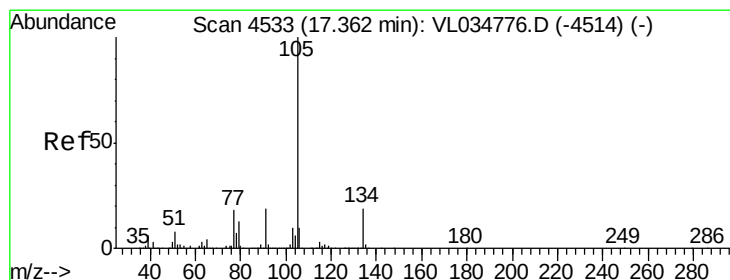
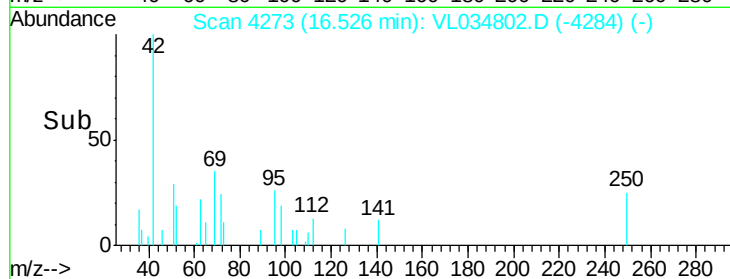
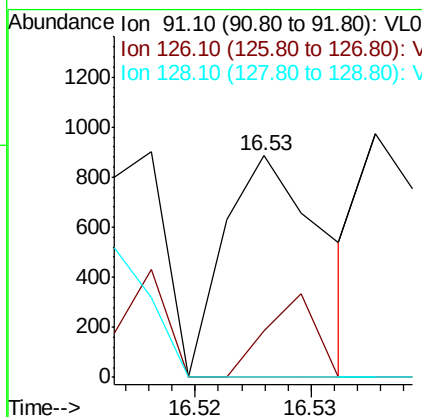
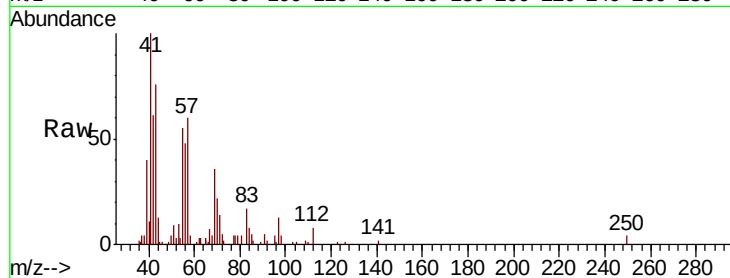




#66
Benzyl Chloride
Concen: 45.993 ppbv
RT: 16.53 min Scan# 4273
Delta R.T. -0.54 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

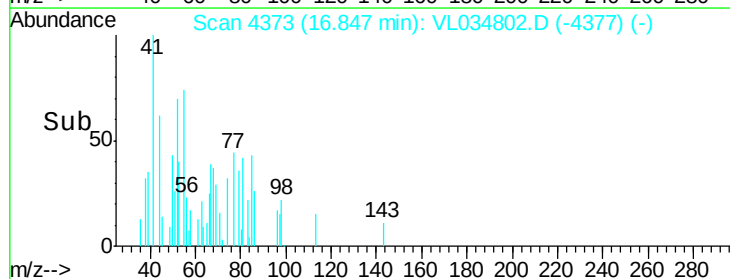
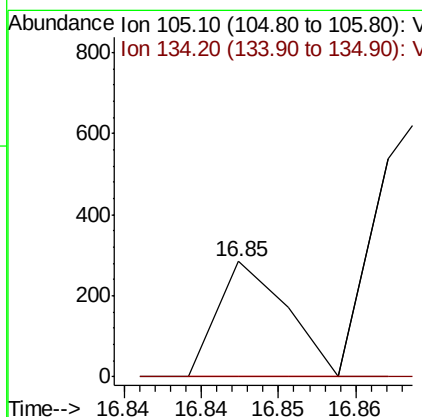
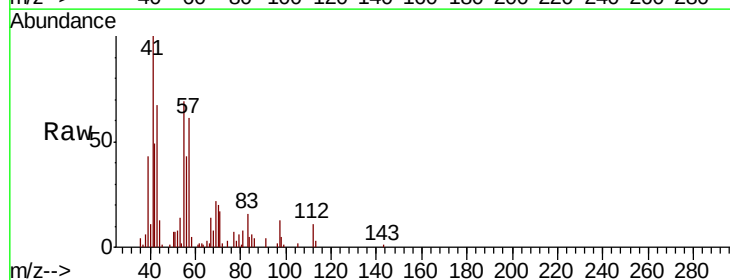
Instrument :
MSVOA_L
ClientSampled :
SS-4-4

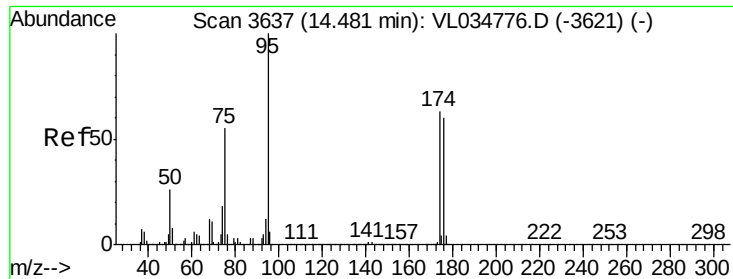
Tot Ion: 91 Resp: 523
Ion Ratio Lower Upper
91 100
126 19.3 12.6 18.8#
128 0.0 4.3 6.5#



#67
sec-Butylbenzene
Concen: 1.717 ppbv
RT: 16.85 min Scan# 4373
Delta R.T. -0.51 min
Lab File: VL034802.D
Acq: 5 Mar 2020 19:09

Tgt Ion: 105 Resp: 88
Ion Ratio Lower Upper
105 100
134 0.0 14.7 22.1#

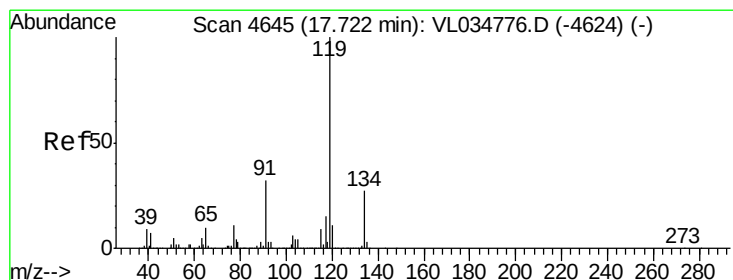
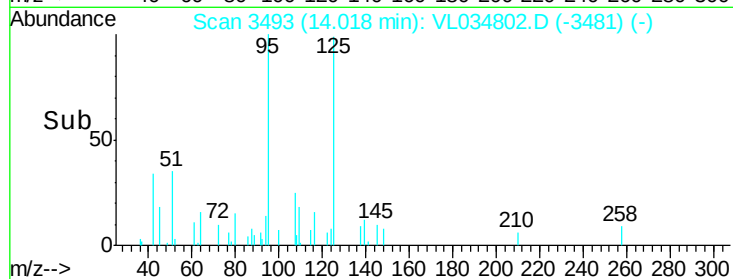
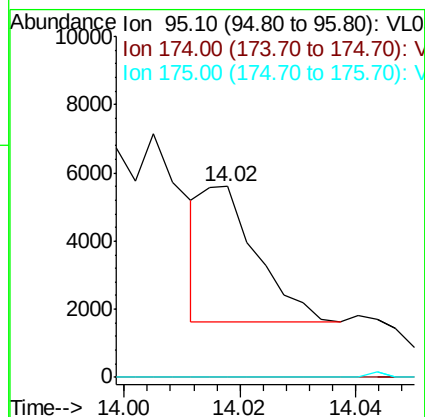
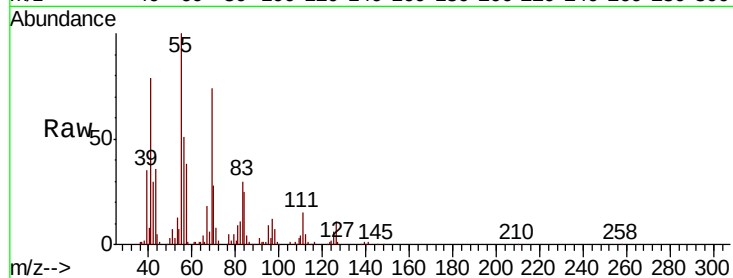




#68
 1-Bromo-4-Fluorobenzene
 Concen: 118.187 ppbv
 RT: 14.02 min Scan# 3493
 Delta R.T. -0.46 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

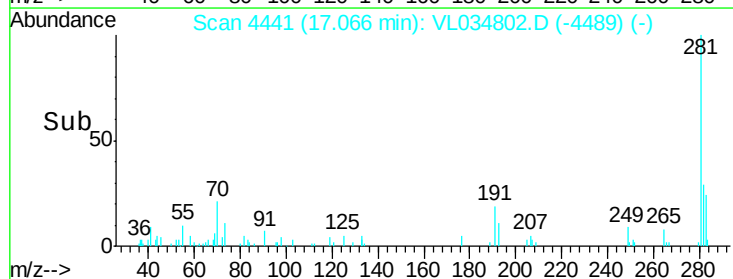
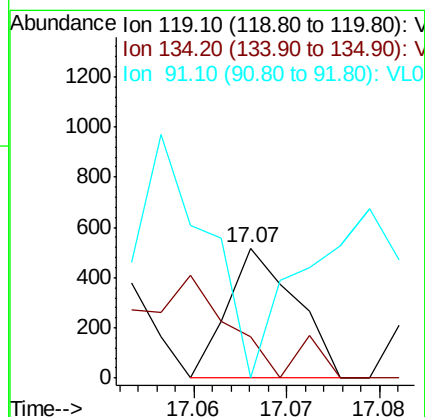
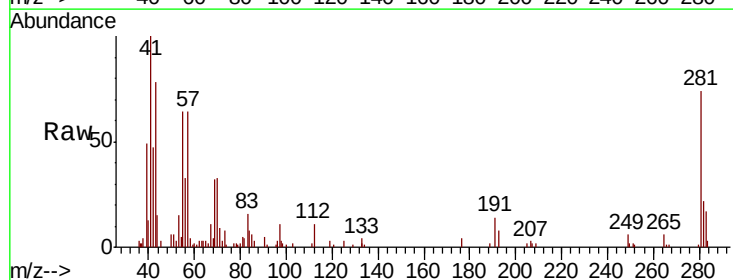
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4

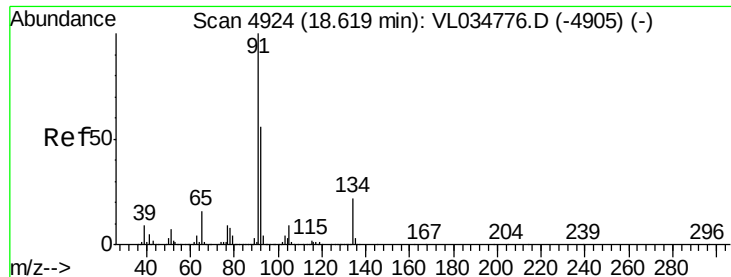
Tot Ion: 95 Resp: 2582
 Ion Ratio Lower Upper
 95 100
 174 0.0 50.6 76.0#
 175 0.0 3.8 5.6#



#69
 p-Isopropyltoluene
 Concen: 6.437 ppbv
 RT: 17.07 min Scan# 4441
 Delta R.T. -0.66 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Tgt Ion: 119 Resp: 267
 Ion Ratio Lower Upper
 119 100
 134 108.6 20.6 30.8#
 91 928.8 25.3 37.9#





#70

n-Butylbenzene

Concen: 5.027 ppbv

RT: 18.04 min Scan# 4743

Delta R.T. -0.58 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

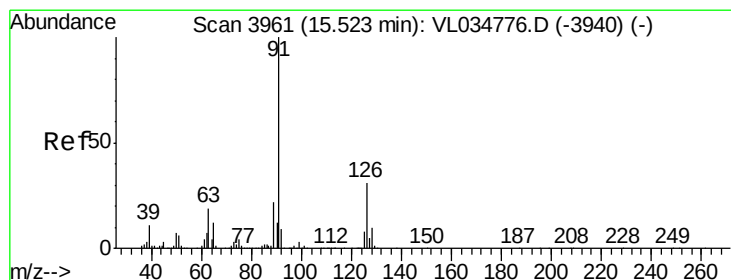
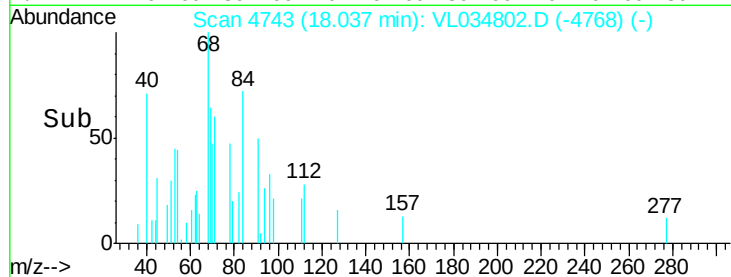
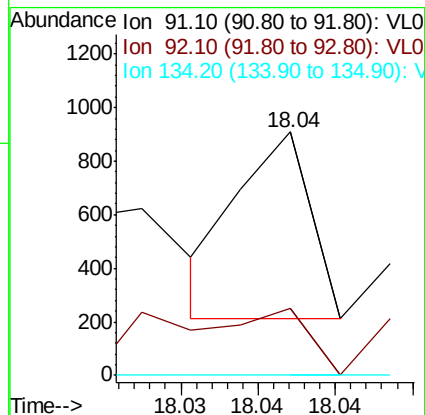
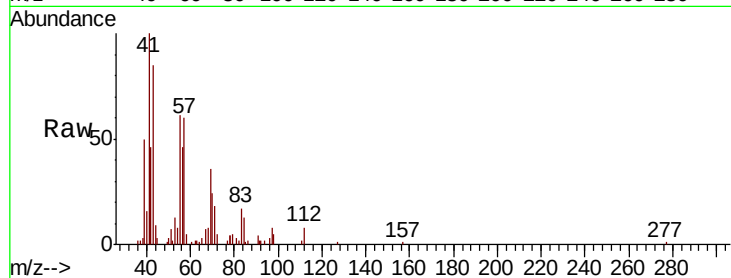
Tot Ion: 91 Resp: 228

Ion Ratio Lower Upper

91 100

92 0.0 44.0 66.0#

134 0.0 17.7 26.5#



#71

2-Chlorotoluene

Concen: 21.855 ppbv

RT: 15.04 min Scan# 3811

Delta R.T. -0.48 min

Lab File: VL034802.D

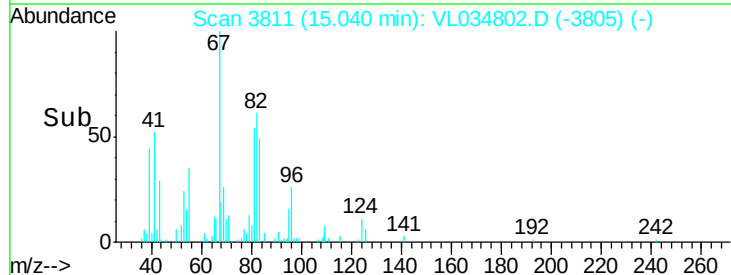
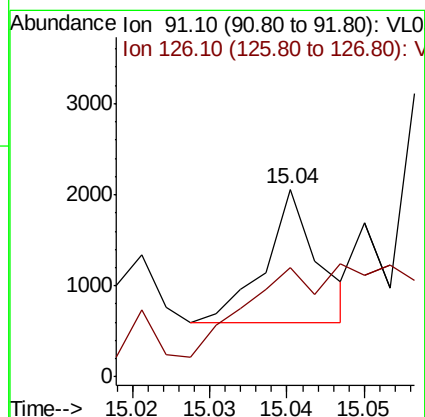
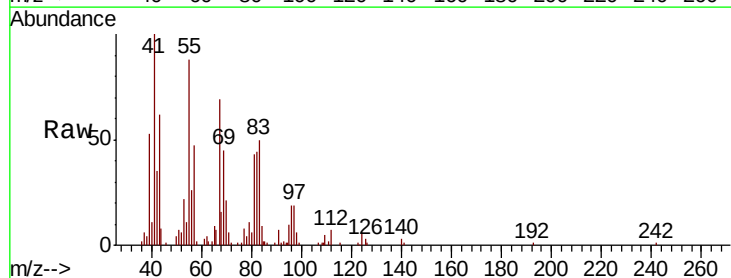
Acq: 5 Mar 2020 19:09

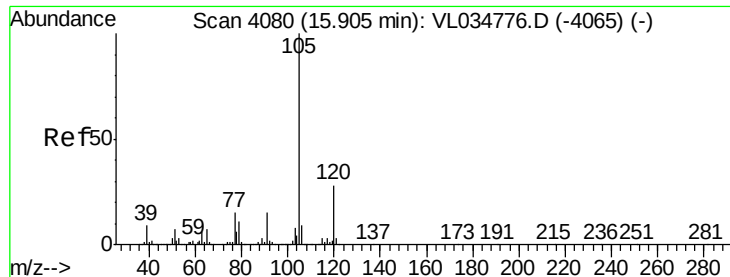
Tgt Ion: 91 Resp: 687

Ion Ratio Lower Upper

91 100

126 0.0 11.7 46.7#





#72

4-Ethyltoluene

Concen: 1.048 ppbv

RT: 15.41 min Scan# 3926

Delta R.T. -0.50 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

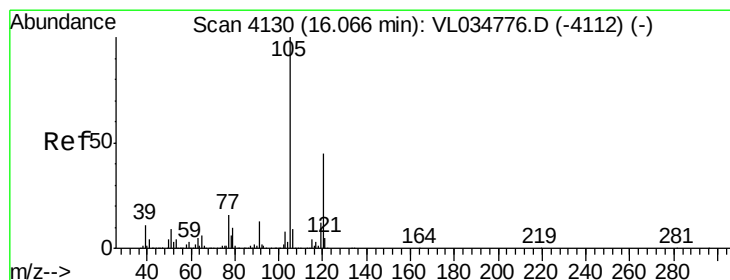
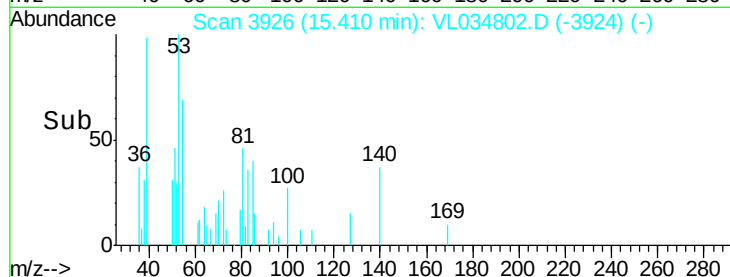
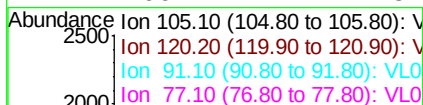
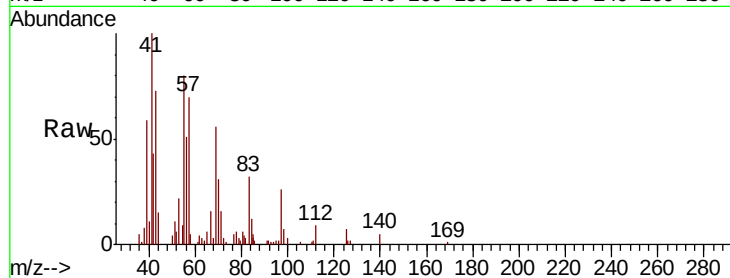
Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

Tot Ion:105	Resp:	33
Ion Ratio	Lower	Upper
105	100	
120	0.0	23.0 34.6#
91	3424.2	11.1 16.7#
77	4109.1	12.2 18.4#



#73

1,3,5-Trimethylbenzene

Concen: 1.821 ppbv

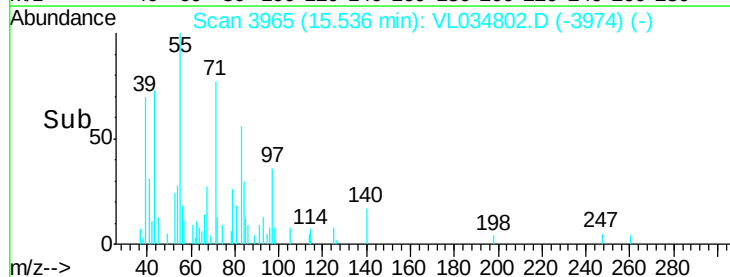
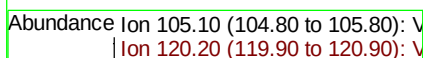
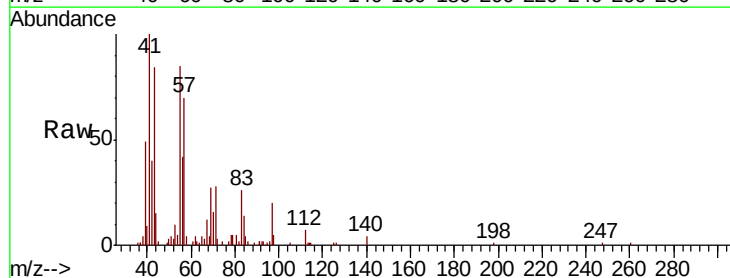
RT: 15.54 min Scan# 3965

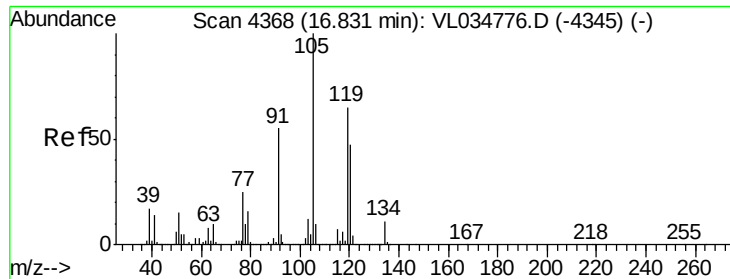
Delta R.T. -0.53 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Tgt Ion:105	Resp:	55
Ion Ratio	Lower	Upper
105	100	
120	0.0	35.6 53.4#

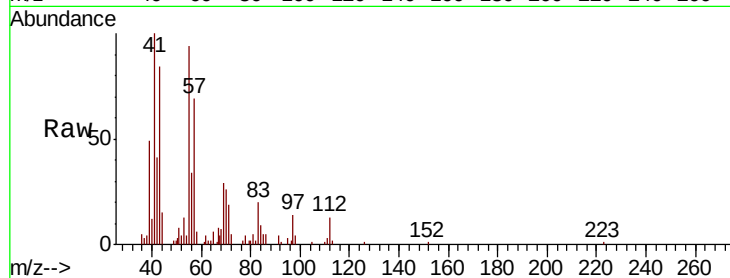




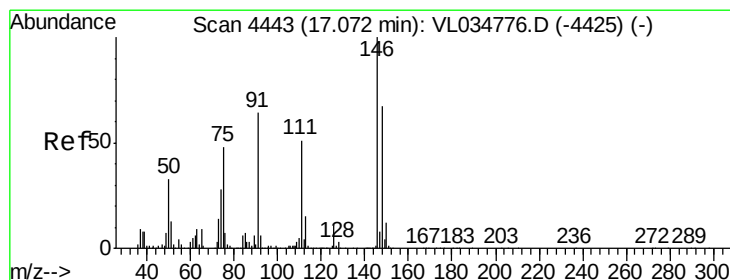
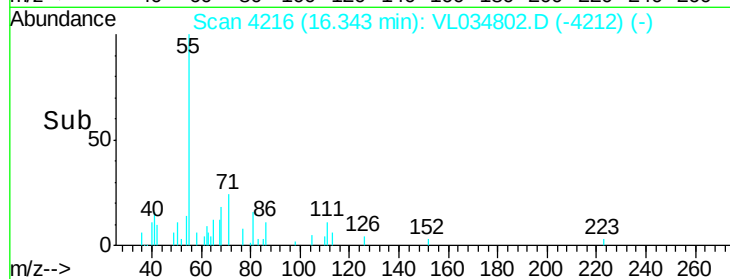
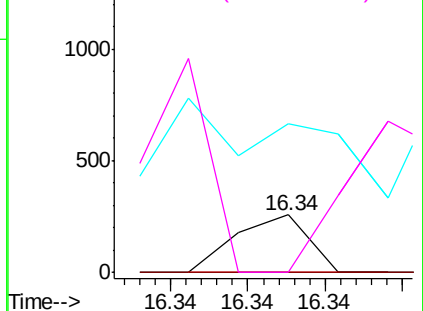
#74
 1,2,4-Trimethylbenzene
 Concen: 2.559 ppbv
 RT: 16.34 min Scan# 4216
 Delta R.T. -0.49 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4-4

Tot Ion:	105	Resp:	84
Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.8	56.6#
91	16.4	43.8	65.8#
77	0.0	19.9	29.9#

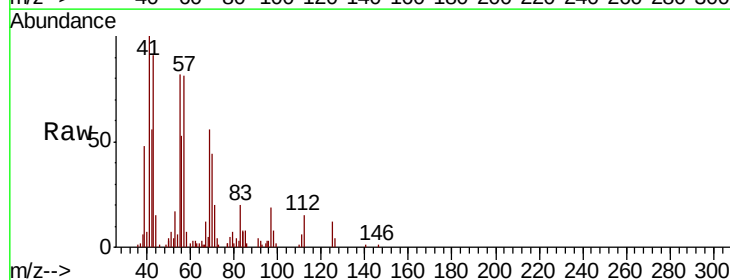


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

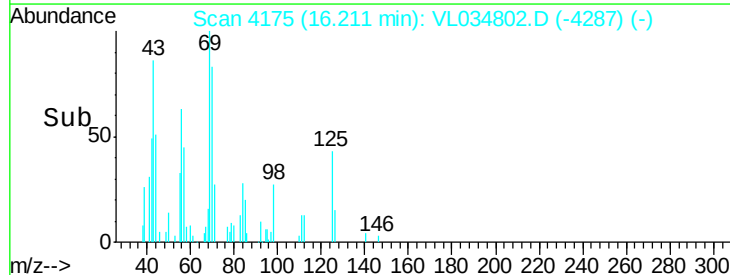
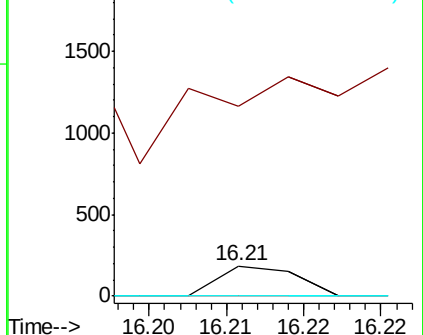


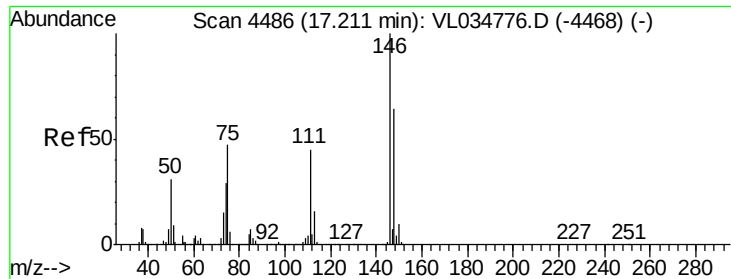
#75
 1,3-Dichlorobenzene
 Concen: 3.344 ppbv
 RT: 16.21 min Scan# 4175
 Delta R.T. -0.86 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Tgt Ion:	146	Resp:	65
Ion	Ratio	Lower	Upper
146	100		
111	11841.5	24.7	74.1#
148	0.0	31.8	95.4#



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

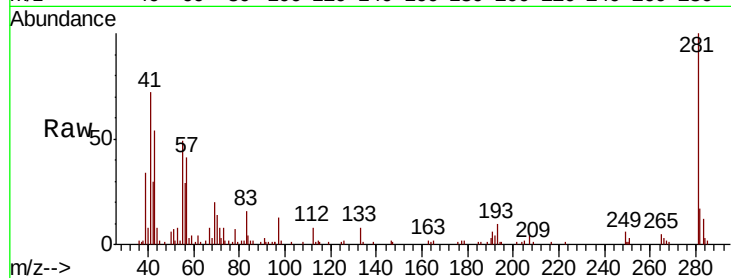




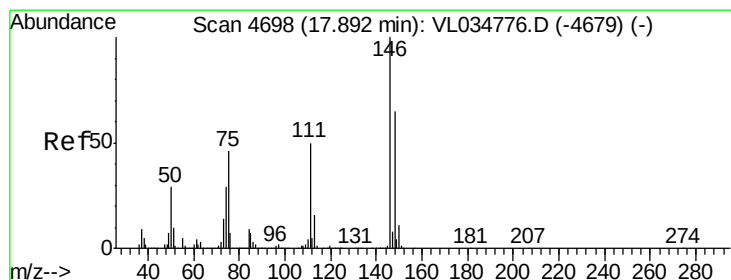
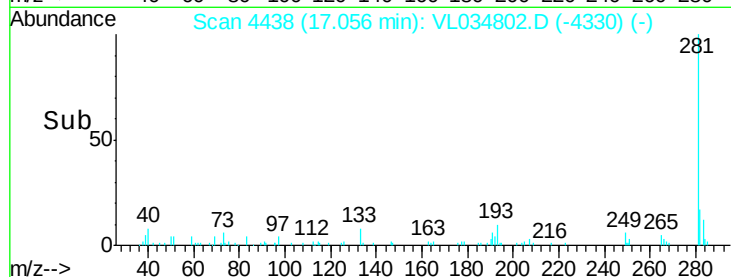
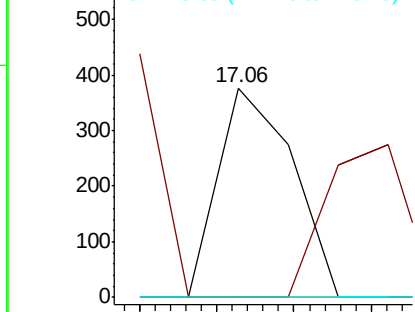
#76
 1,4-Dichlorobenzene
 Concen: 6.721 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. -0.15 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4-4

Tot Ion:146 Resp: 125
 Ion Ratio Lower Upper
 146 100
 111 150.4 23.5 70.5#
 148 0.0 32.2 96.6#

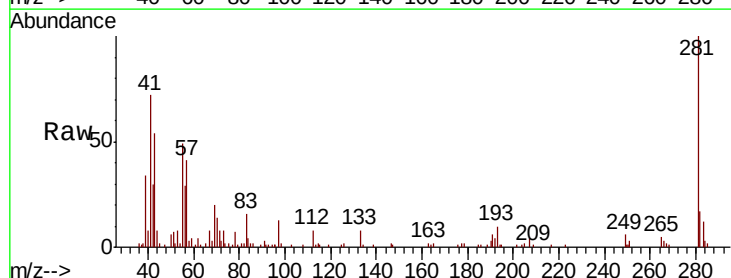


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

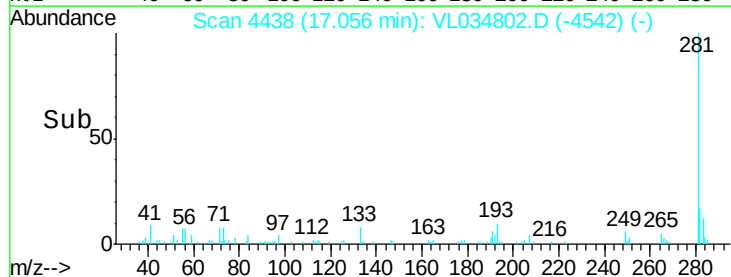
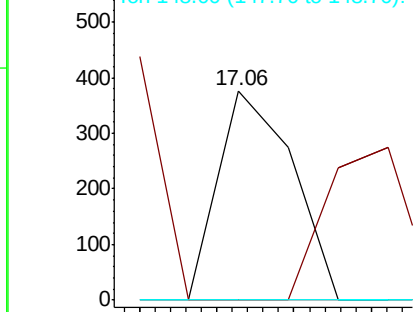


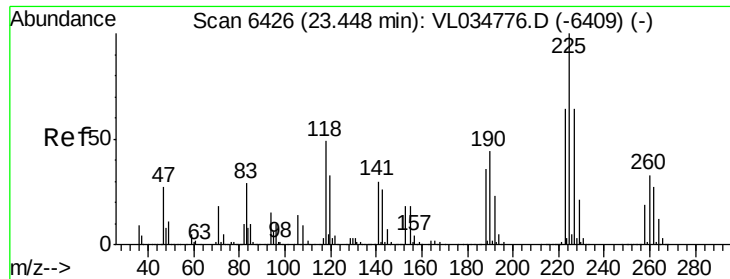
#77
 1,2-Dichlorobenzene
 Concen: 6.723 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. -0.84 min
 Lab File: VL034802.D
 Acq: 5 Mar 2020 19:09

Tgt Ion:146 Resp: 125
 Ion Ratio Lower Upper
 146 100
 111 229.6 25.3 75.8#
 148 56.0 32.3 96.9



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





#78

Hexachloro-1,3-Butadiene

Concen: 4.383 ppbv

RT: 22.65 min Scan# 6179

Delta R.T. -0.79 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

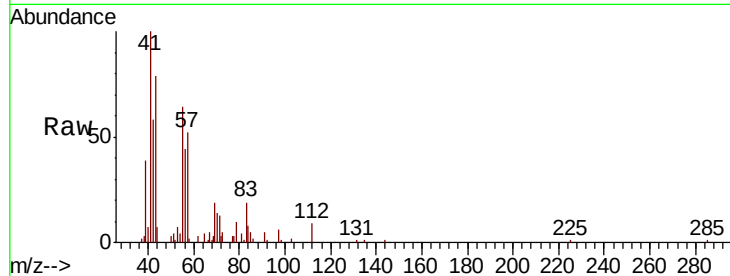
Tot Ion:225 Resp: 68

Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

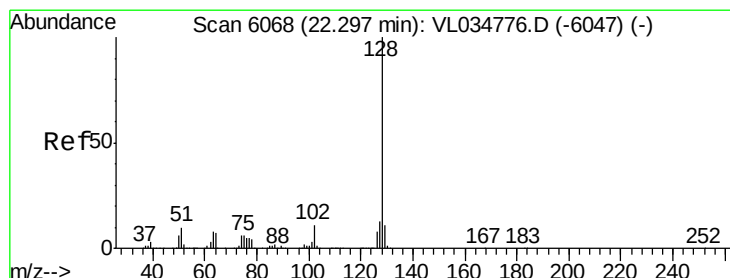
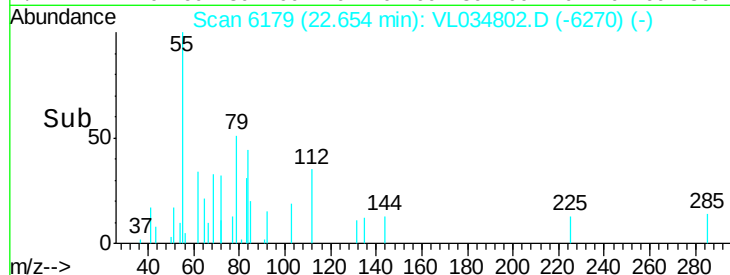
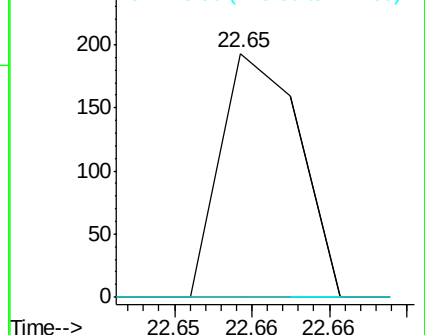
227 0.0 51.9 77.9#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 3.242 ppbv

RT: 21.44 min Scan# 5800

Delta R.T. -0.86 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

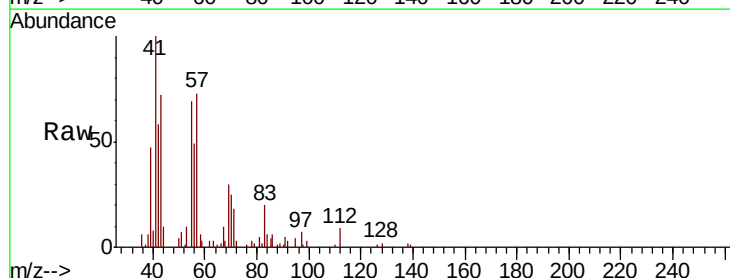
Tgt Ion:128 Resp: 80

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

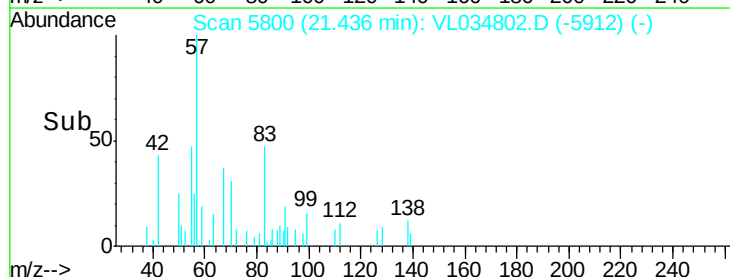
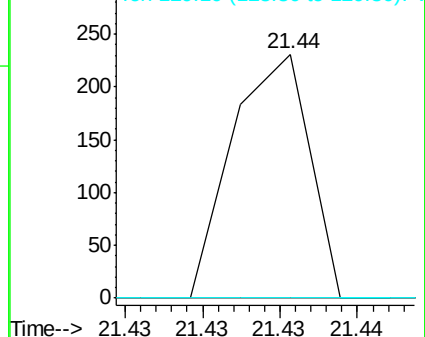
129 0.0 9.0 13.6#

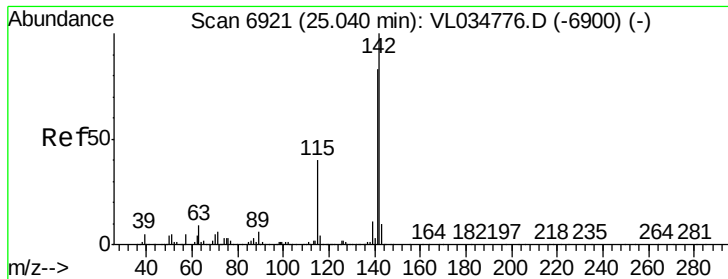


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 10.691 ppbv

RT: 24.14 min Scan# 6641

Delta R.T. -0.90 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4

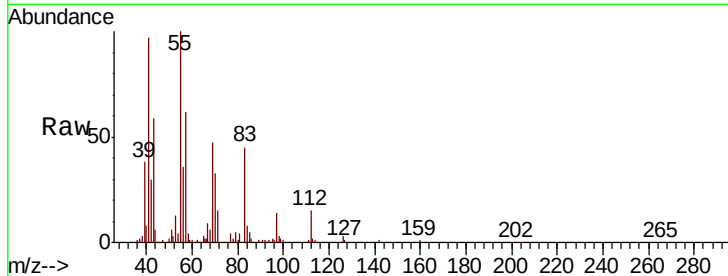
Tot Ion:142 Resp: 63

Ion Ratio Lower Upper

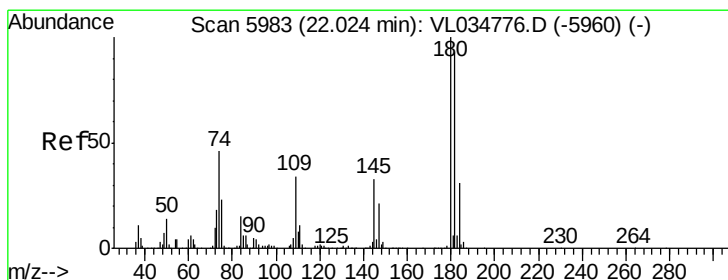
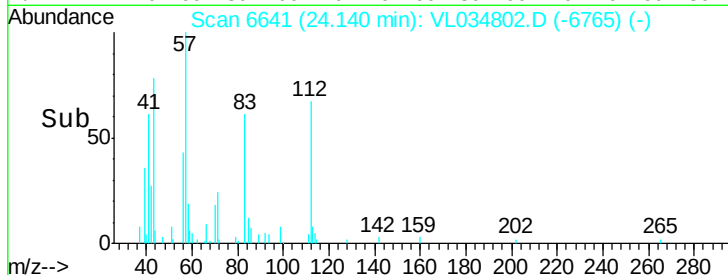
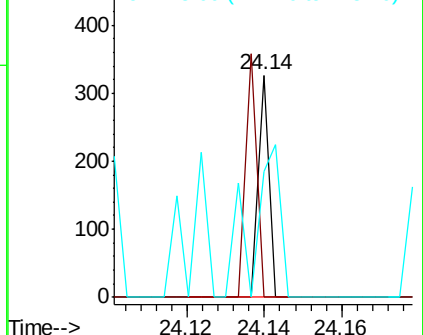
142 100

141 0.0 67.7 101.5#

115 176.2 30.7 46.1#



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: 4.039 ppbv

RT: 21.50 min Scan# 5821

Delta R.T. -0.52 min

Lab File: VL034802.D

Acq: 5 Mar 2020 19:09

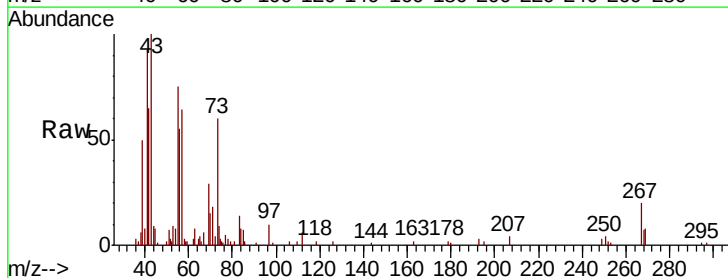
Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 76.8 115.2#

184 47.6 24.8 37.2#



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

