

Data File : VL034807.D
Acq On : 5 Mar 2020 22:26
Operator : SY/AP
Sample : L1698-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

Quant Time: Mar 06 03:48:58 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	5.68	49	457221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1186910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	815602	10.00	ppbv	0.07

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1502662	22.10	ppbv	0.06
Spiked Amount	10.000	Range	65 - 135	Recovery	=	221.00%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	4603	0.062	ppbv #	87
3) Chlorodifluoromethane	2.99	51	216078	4.148	ppbv #	58
4) Chloromethane	3.16	50	8402	0.299	ppbv #	72
5) Vinyl Chloride	3.21	62	8828696	297.863	ppbv #	38
7) Chloroethane	3.21	64	4720857	460.626	ppbv #	44
9) Propene	2.96	41	3106536	151.512	ppbv	100
10) Heptane	8.21	43	2522147	48.402	ppbv #	1
11) Trichlorofluoromethane	3.92	101	41882	0.627	ppbv	97
13) Ethanol	3.57	45	74300	10.576	ppbv	99
15) Acetone	3.84	43	10436442	190.613	ppbv #	83
16) 1,3-Butadiene	3.32	39	450365	18.180	ppbv #	9
17) tert-Butyl alcohol	4.29	59	2646959	61.311	ppbv	96
18) 1,1-Dichloroethene	4.27	96	47294	2.328	ppbv	98
19) Isopropyl Alcohol	3.95	45	1720917	52.458	ppbv #	1
20) Methylene Chloride	4.32	84	1215485	62.201	ppbv	97
21) Allyl Chloride	4.36	41	1961220	56.564	ppbv #	66
22) trans-1,2-Dichloroethene	4.88	96	1361825	68.663	ppbv	96
23) Vinyl Acetate	5.06	43	6788964	92.469	ppbv #	1
24) 1,1-Dichloroethane	5.01	63	509709	8.945	ppbv	98
25) Ethyl Acetate	5.71	43	7044385	74.453	ppbv #	76
26) Hexane	5.71	57	9127552	220.826	ppbv #	42
27) Carbon Disulfide	4.54	76	3858132	79.900	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	4978	0.081	ppbv #	52
29) Chloroform	6.01	83	12335	0.177	ppbv	84
30) Cyclohexane	7.17	84	3422687	108.238	ppbv #	70
31) cis-1,2-Dichloroethene	5.56	61	12488285	294.573	ppbv #	55
34) 2-Butanone	5.25	43	2886234	37.378	ppbv	98
36) Benzene	6.93	78	14770067	145.629	ppbv #	47
37) 1,2-Dichloroethane	6.34	62	27978	0.404	ppbv #	84
38) Trichloroethene	7.88	130	971020	24.565	ppbv	94
39) 1,2-Dichloropropane	7.65	63	190553	4.656	ppbv #	1
40) 1,4-Dioxane	7.88	88	1586	0.112	ppbv #	1
41) Tetrahydrofuran	6.06	42	147319	3.739	ppbv	99
42) Bromodichloromethane	7.86	83	12922184	147.423	ppbv #	26
43) Methyl Methacrylate	8.05	69	471267	10.965	ppbv #	1
44) 2,2,4-Trimethylpentane	7.95	57	16676168	94.089	ppbv #	86
46) cis-1,3-Dichloropropene	8.74	75	60769	1.103	ppbv #	1
47) 1,1,2-Trichloroethane	9.58	97	2286867	52.921	ppbv #	1
50) 4-Methyl-2-Pentanone	8.77	43	2945646	26.623	ppbv #	65
51) 2-Hexanone	10.17	43	3689018	42.504	ppbv #	37
52) Tetrachloroethene	11.37	164	323951	8.645	ppbv	96

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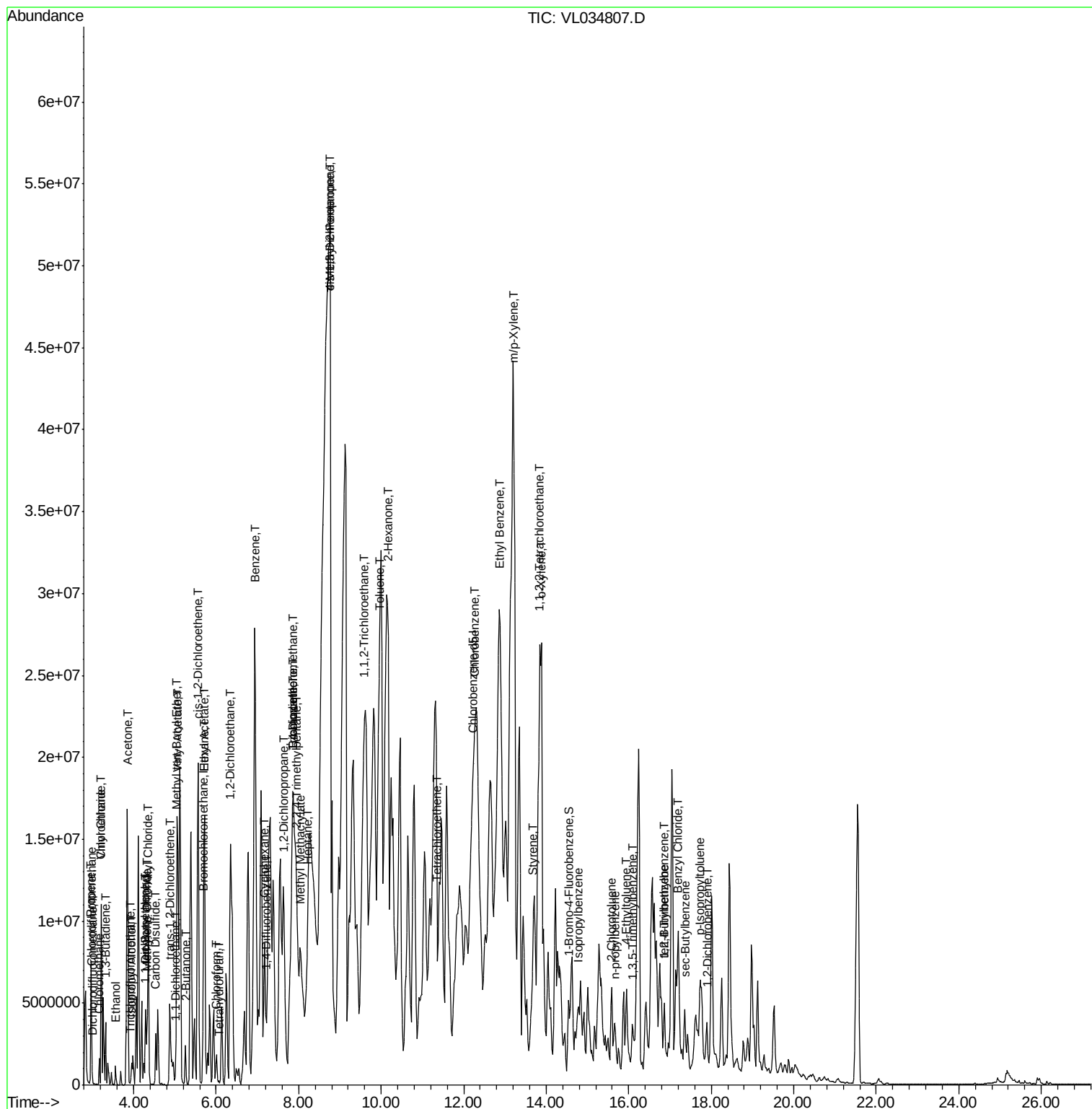
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) Toluene	9.95	91	14528385	135.346	ppbv	93
57) Chlorobenzene	12.27	112	5998	0.096	ppbv #	24
58) Ethyl Benzene	12.89	91	26428851	262.946	ppbv #	50
59) m/p-Xylene	13.22	91	41621041	478.370	ppbv #	50
60) o-Xylene	13.89	91	22341261	253.789	ppbv #	62
61) Styrene	13.68	104	43719	0.801	ppbv #	26
62) Isopropylbenzene	14.79	105	1216032	9.386	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1805366	26.016	ppbv #	43
64) n-propylbenzene	15.66	120	394745	12.151	ppbv	93
65) tert-Butylbenzene	16.86	119	281540	2.571	ppbv #	87
66) Benzyl Chloride	17.18	91	1449	0.041	ppbv #	1
67) sec-Butylbenzene	17.38	105	252385	1.582	ppbv	99
69) p-Isopropyltoluene	17.73	119	80955	0.627	ppbv	98
71) 2-Chlorotoluene	15.56	91	769970	7.868	ppbv	92
72) 4-Ethyltoluene	15.94	105	2033389	20.746	ppbv	96
73) 1,3,5-Trimethylbenzene	16.10	105	1785622	18.993	ppbv	92
74) 1,2,4-Trimethylbenzene	16.86	105	2165262	21.186	ppbv #	69
77) 1,2-Dichlorobenzene	17.91	146	2147	0.037	ppbv #	1

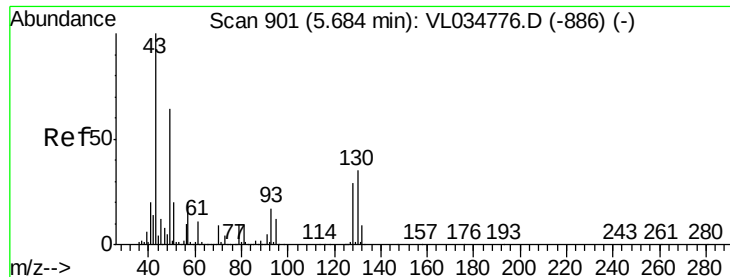
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Response via : Initial Calibration

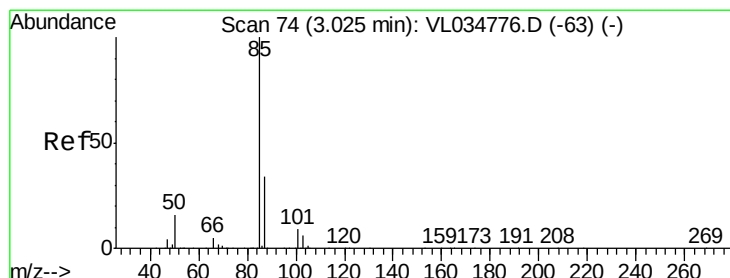
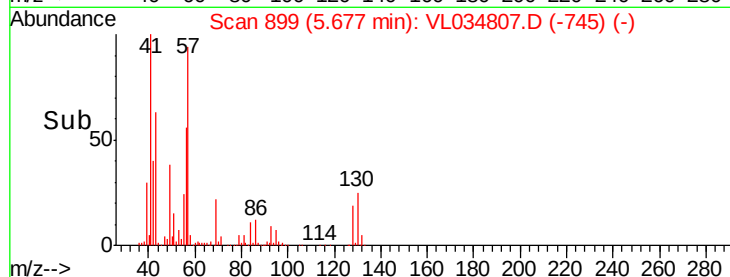
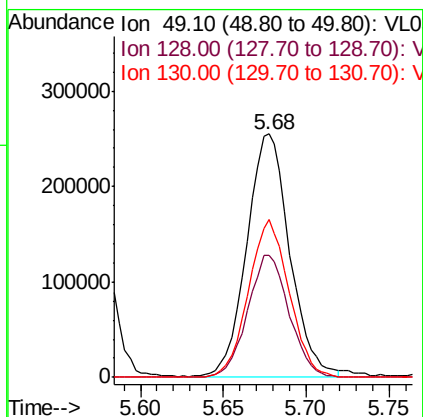
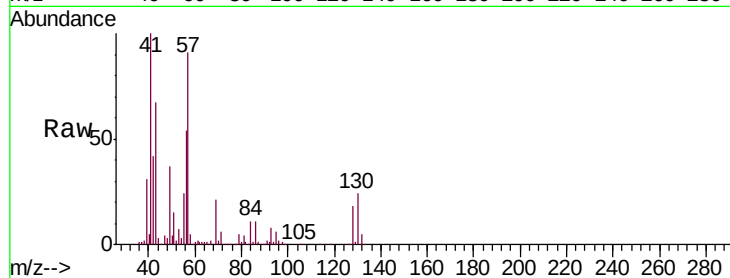




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

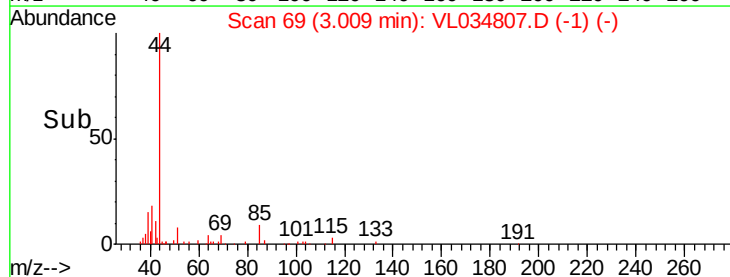
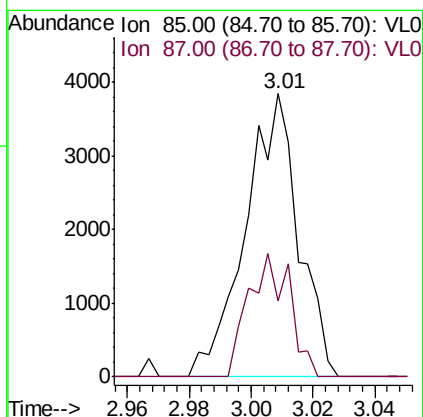
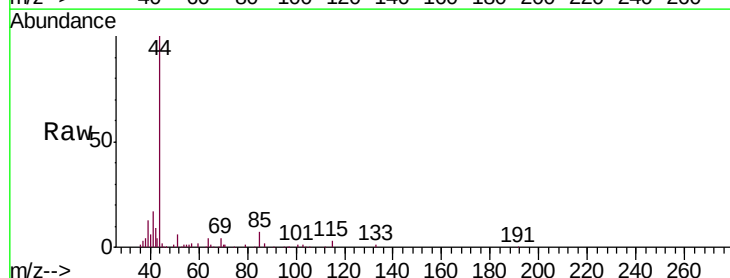
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4

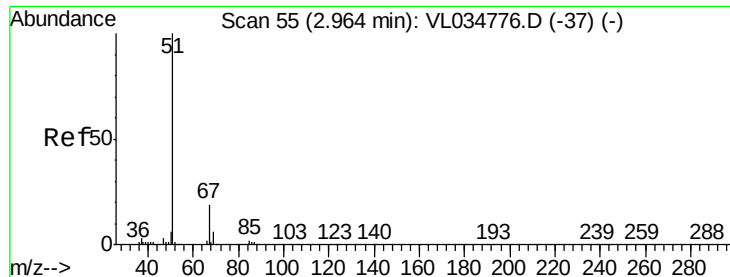
Tgt Ion: 49 Resp: 457221
 Ion Ratio Lower Upper
 49 100
 128 48.6 21.6 64.6
 130 61.7 27.4 82.2



#2
 Dichlorodifluoromethane
 Concen: 0.062 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.02 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 85 Resp: 4603
 Ion Ratio Lower Upper
 85 100
 87 26.8 27.2 40.8#





#3

Chlorodifluoromethane

Concen: 4.148 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

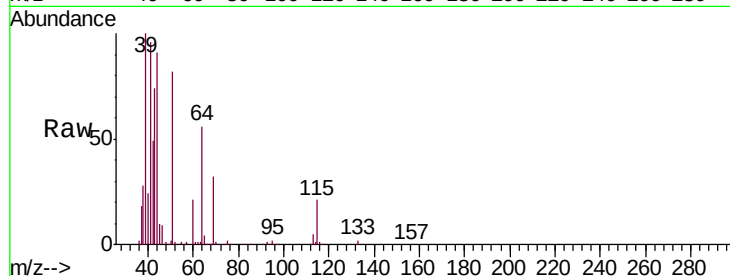
SS-3-4

Tgt Ion: 51 Resp: 216078

Ion Ratio Lower Upper

51 100

67 0.3 15.3 22.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

200000

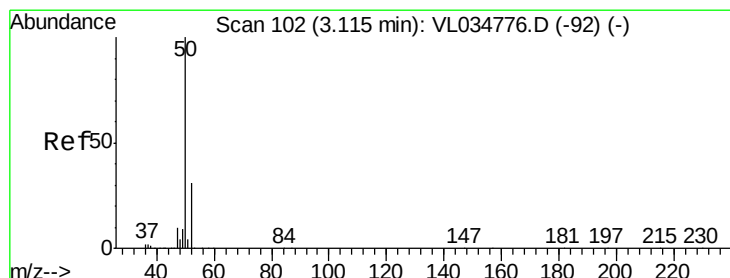
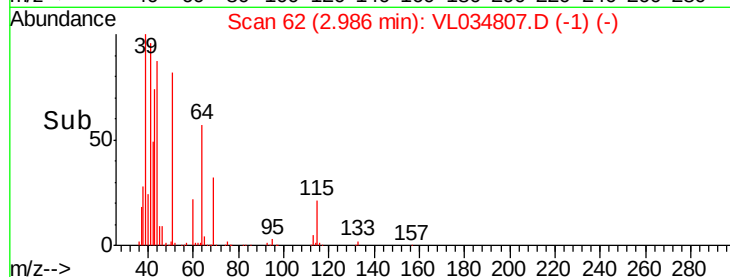
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 0.299 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.05 min

Lab File: VL034807.D

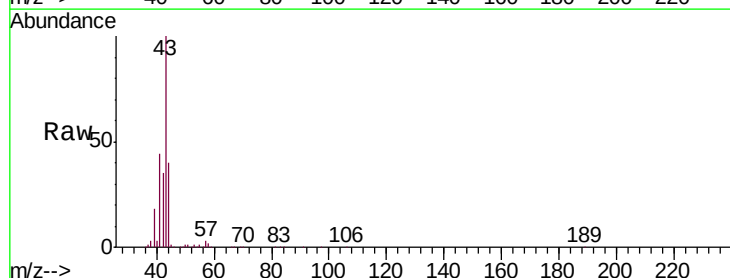
Acq: 5 Mar 2020 22:26

Tgt Ion: 50 Resp: 8402

Ion Ratio Lower Upper

50 100

52 15.8 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

80000

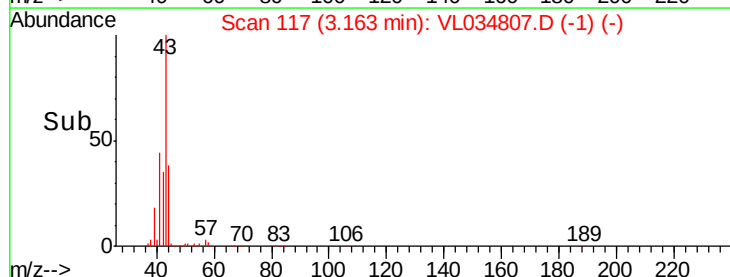
60000

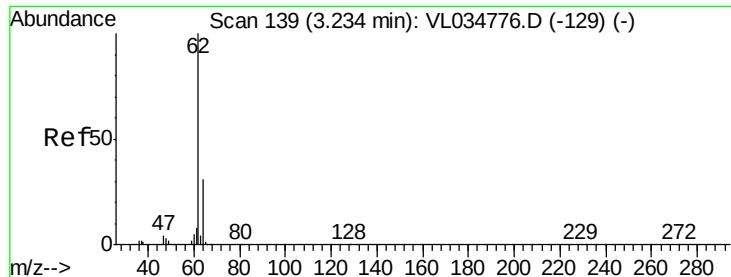
40000

20000

0

Time-->





#5

Vinyl Chloride

Concen: 297.863 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.02 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

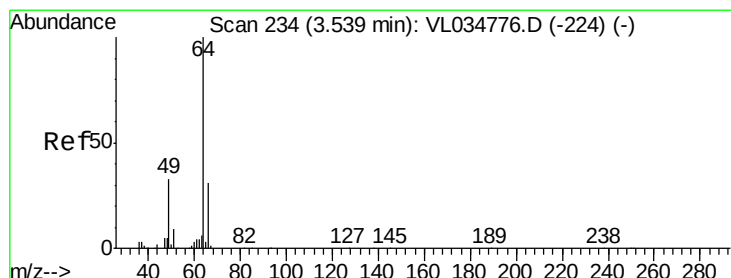
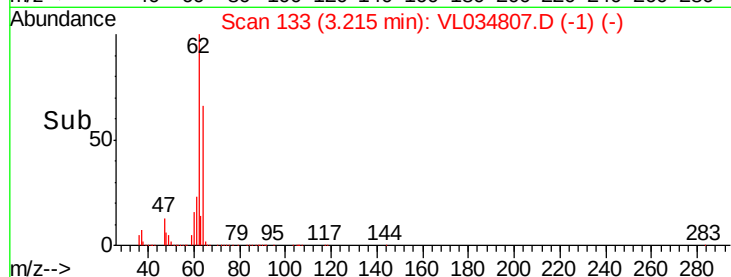
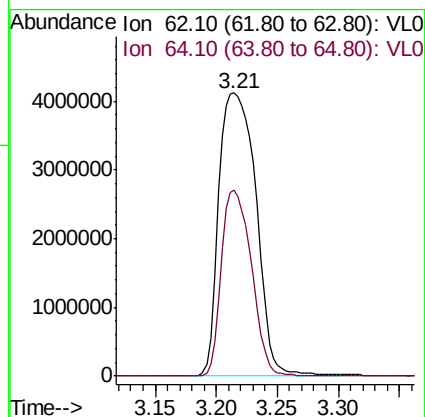
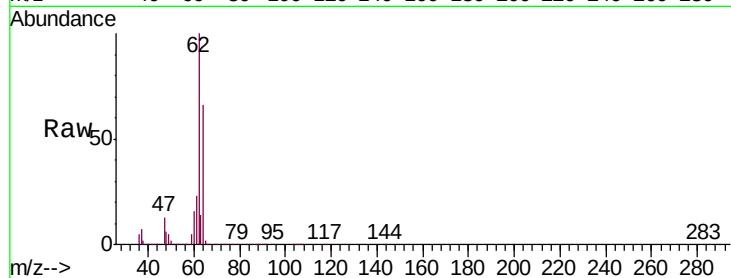
SS-3-4

Tgt Ion: 62 Resp: 8828696

Ion Ratio Lower Upper

62 100

64 65.9 25.1 37.7#



#7

Chloroethane

Concen: 460.626 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.32 min

Lab File: VL034807.D

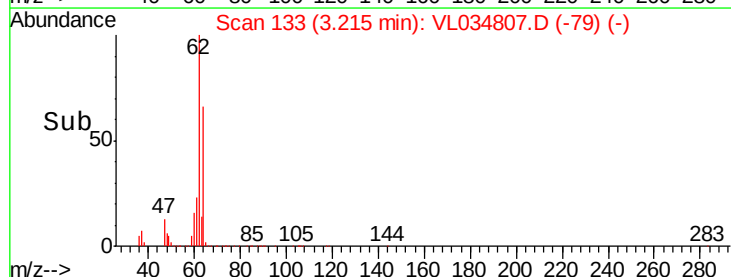
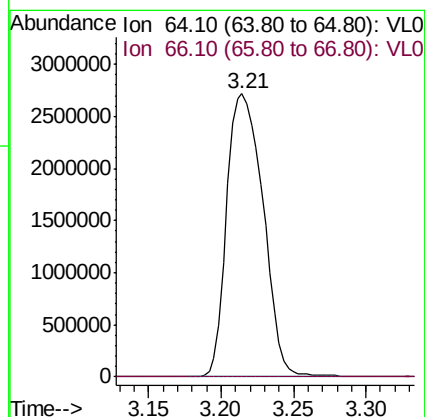
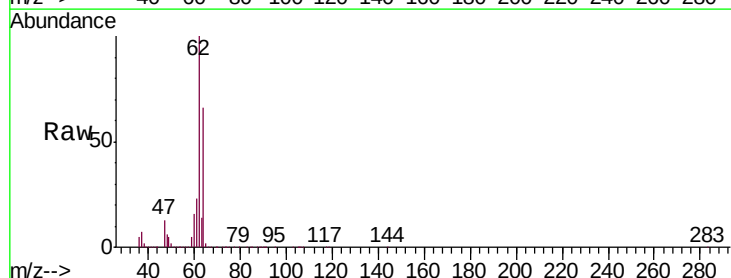
Acq: 5 Mar 2020 22:26

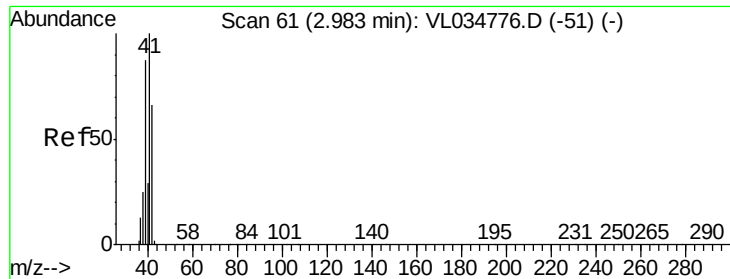
Tgt Ion: 64 Resp: 4720857

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#





#9

Propene

Concen: 151.512 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

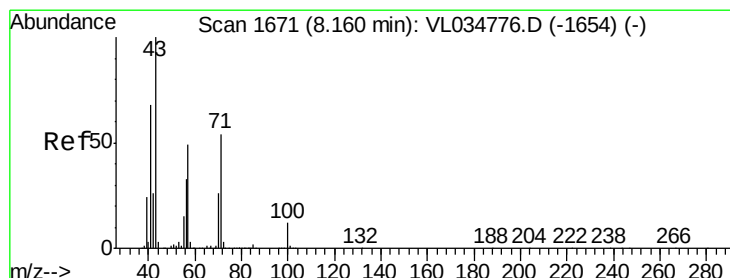
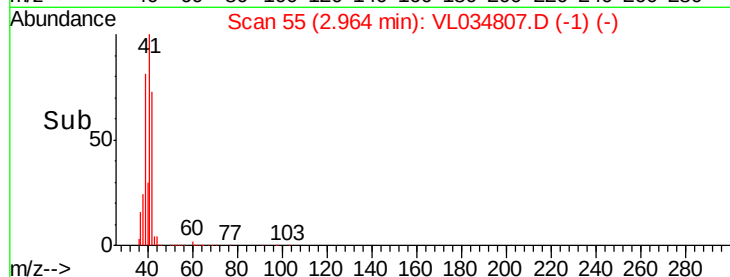
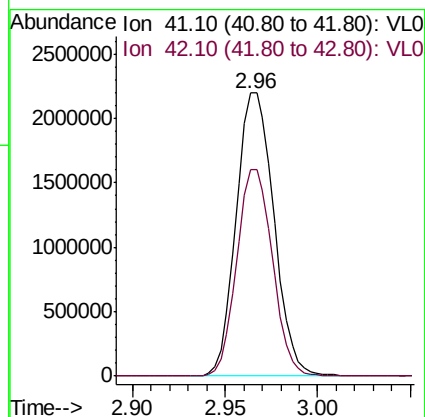
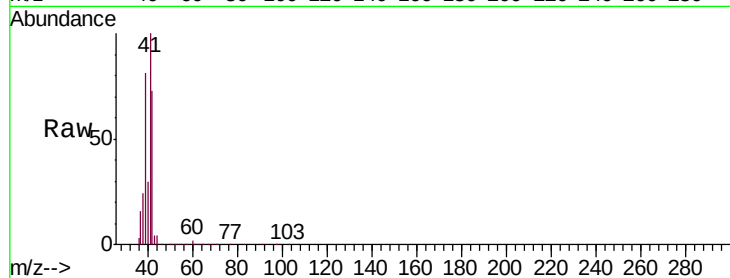
SS-3-4

Tgt Ion: 41 Resp: 3106536

Ion Ratio Lower Upper

41 100

42 69.6 55.6 83.4



#10

Heptane

Concen: 48.402 ppbv

RT: 8.21 min Scan# 1687

Delta R.T. 0.05 min

Lab File: VL034807.D

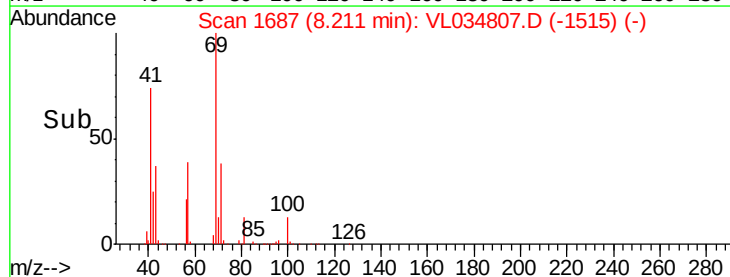
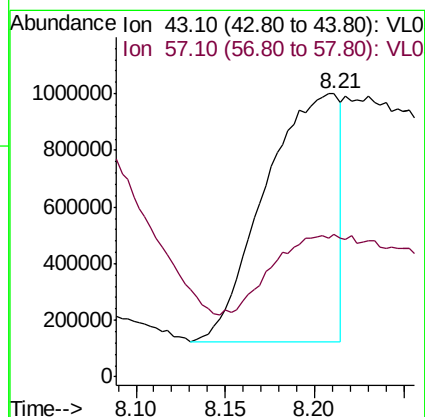
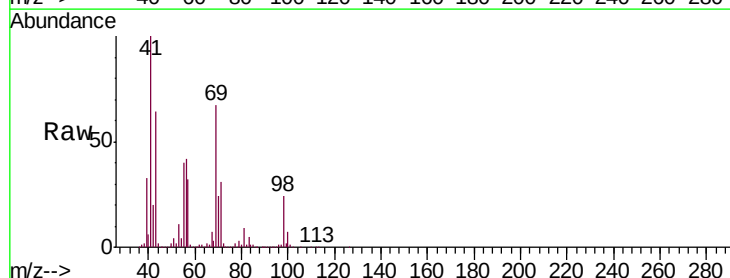
Acq: 5 Mar 2020 22:26

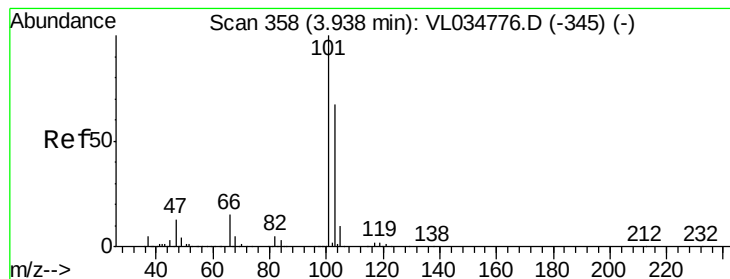
Tgt Ion: 43 Resp: 2522147

Ion Ratio Lower Upper

43 100

57 125.2 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.627 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.02 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

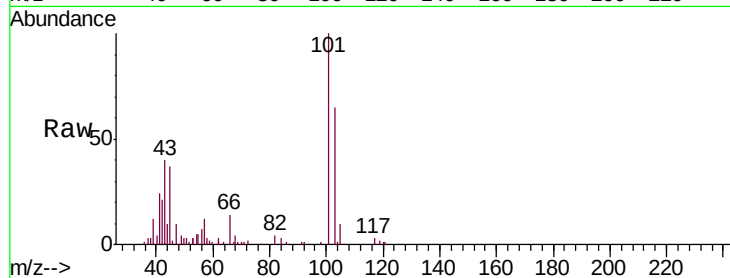
SS-3-4

Tgt Ion: 101 Resp: 41882

Ion Ratio Lower Upper

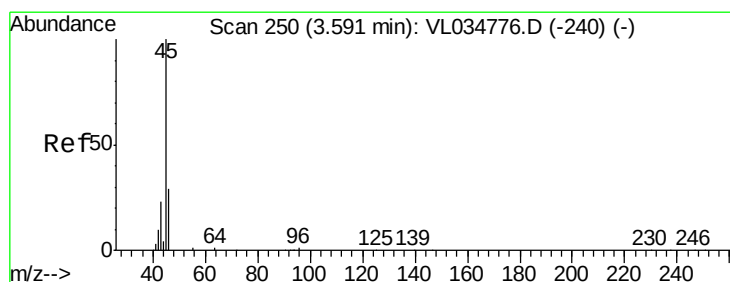
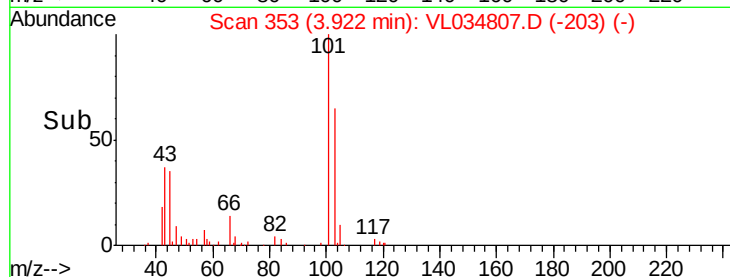
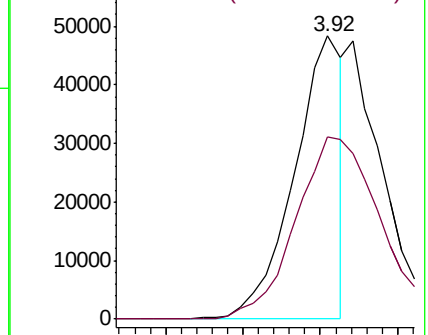
101 100

103 64.5 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 10.576 ppbv

RT: 3.57 min Scan# 245

Delta R.T. -0.02 min

Lab File: VL034807.D

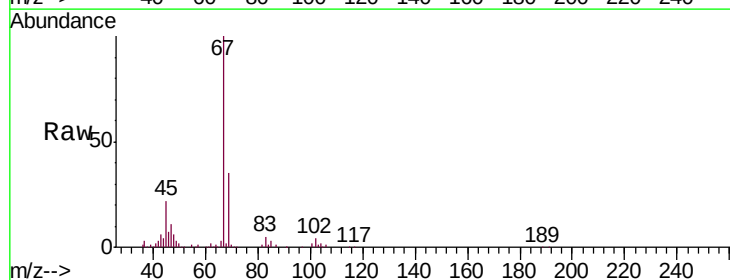
Acq: 5 Mar 2020 22:26

Tgt Ion: 45 Resp: 74300

Ion Ratio Lower Upper

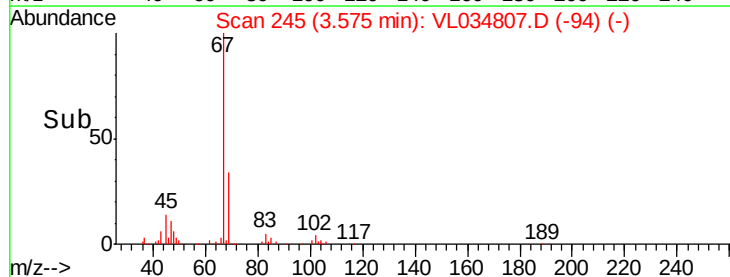
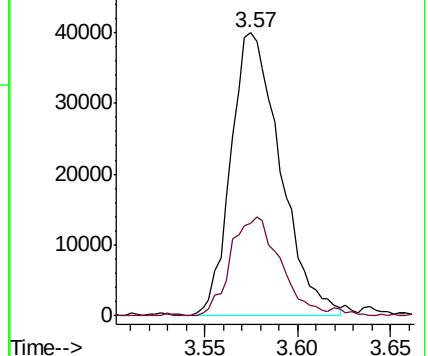
45 100

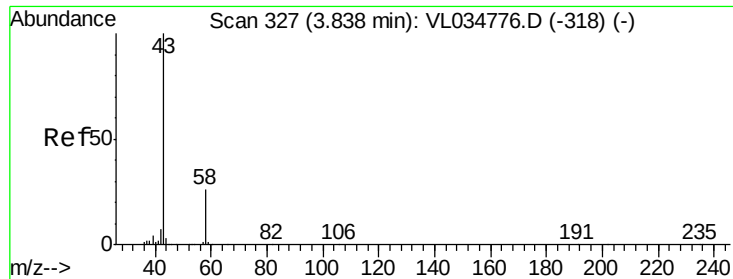
46 36.0 14.7 58.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

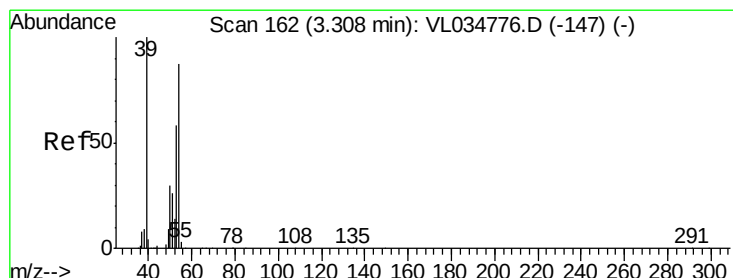
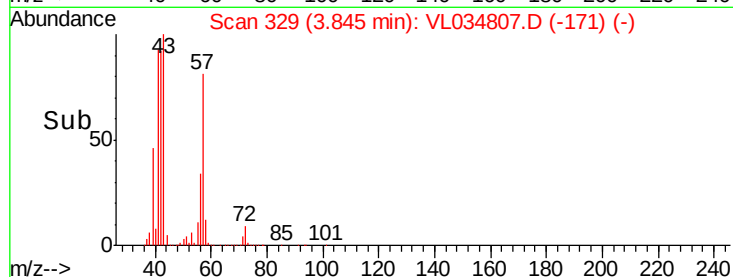
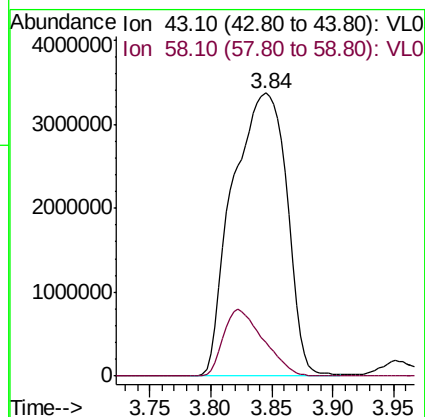
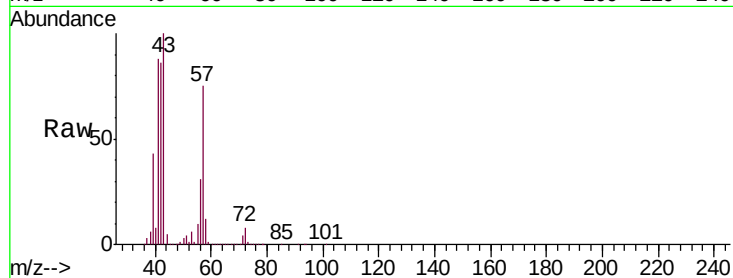




#15
Acetone
Concen: 190.613 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

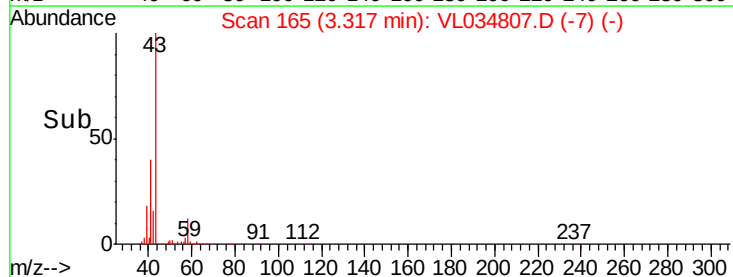
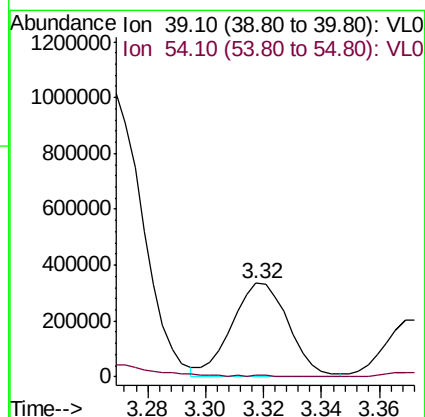
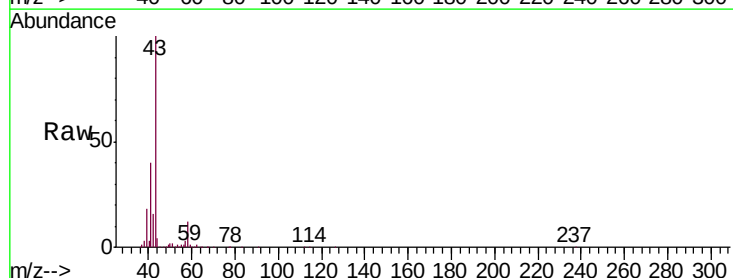
Instrument :
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SS-3-4

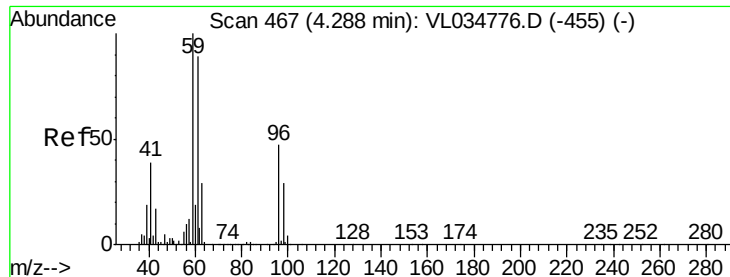
Tgt Ion: 43 Resp:10436442
Ion Ratio Lower Upper
43 100
58 17.6 21.0 31.6#



#16
1,3-Butadiene
Concen: 18.180 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 39 Resp: 450365
Ion Ratio Lower Upper
39 100
54 0.0 64.2 96.2#

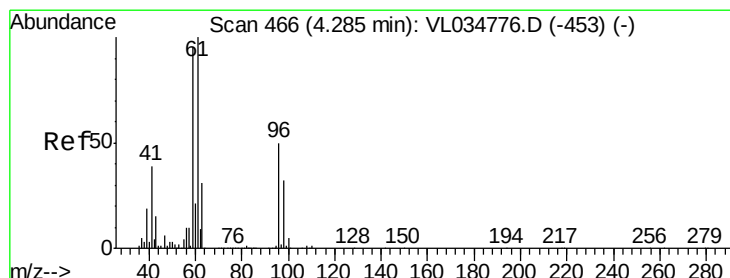
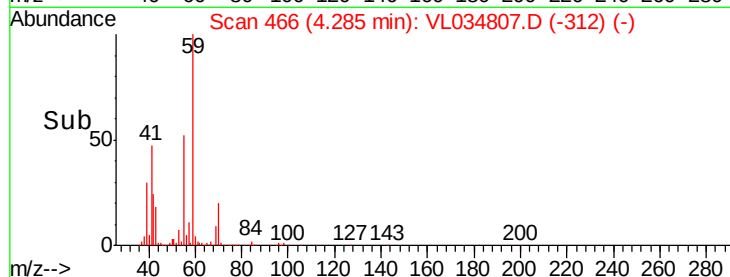
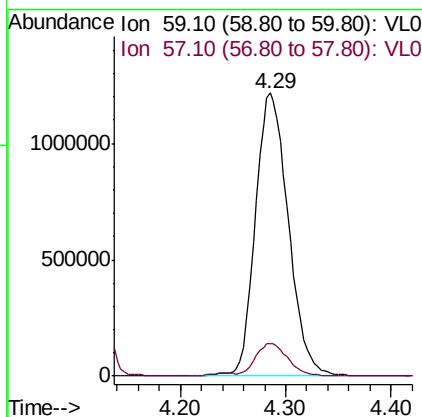
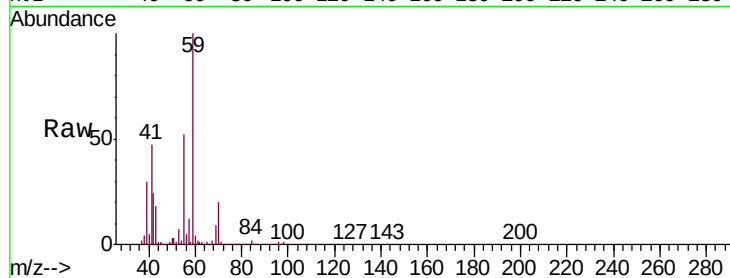




#17
 tert-Butyl alcohol
 Concen: 61.311 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

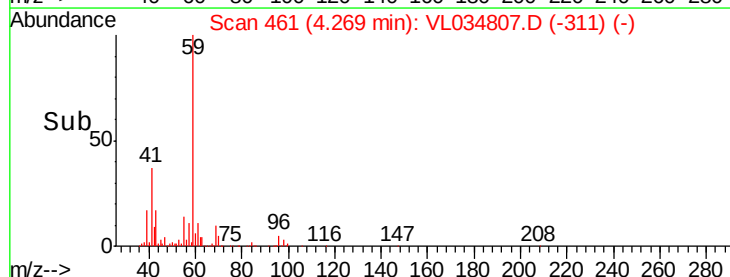
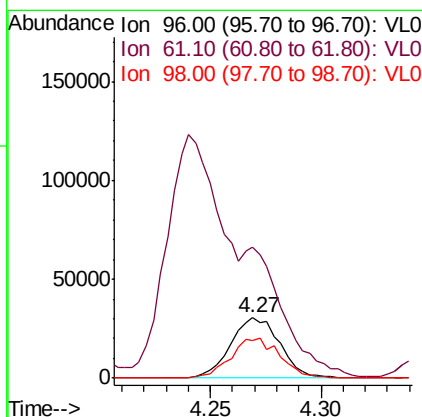
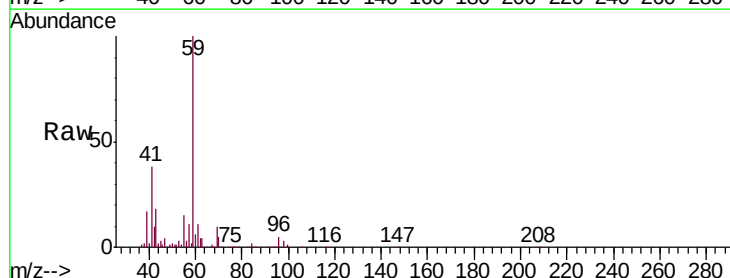
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4

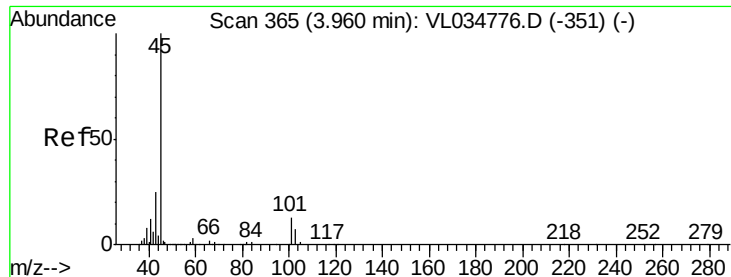
Tgt Ion: 59 Resp: 2646959
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.6 13.0



#18
 1,1-Dichloroethene
 Concen: 2.328 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 96 Resp: 47294
 Ion Ratio Lower Upper
 96 100
 61 202.1 159.5 239.3
 98 61.5 51.1 76.7

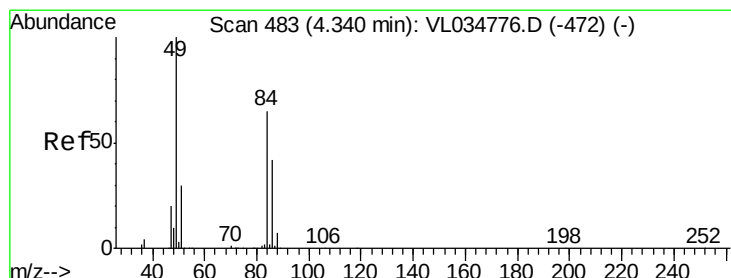
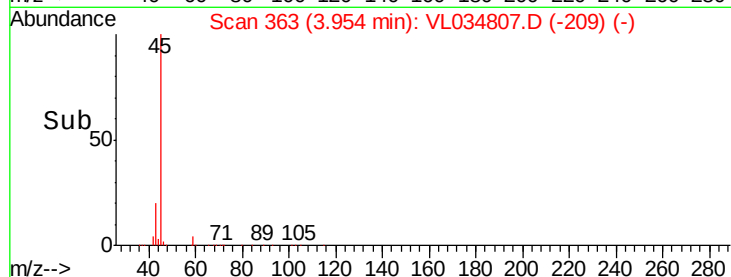
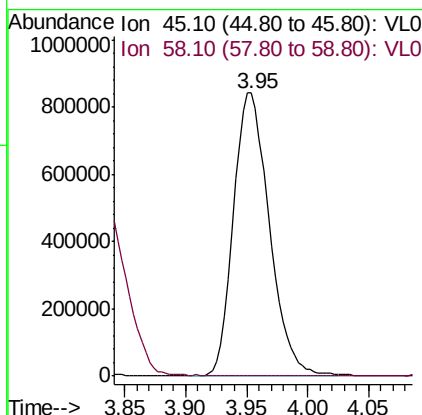
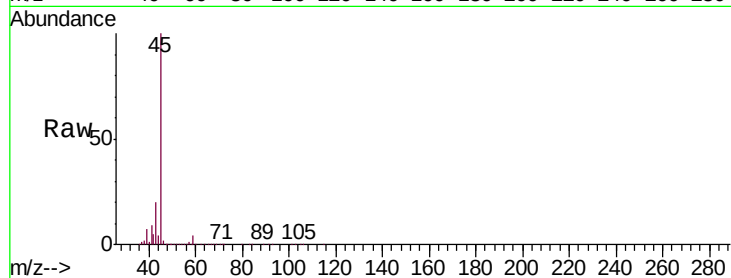




#19
Isopropyl Alcohol
Concen: 52.458 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

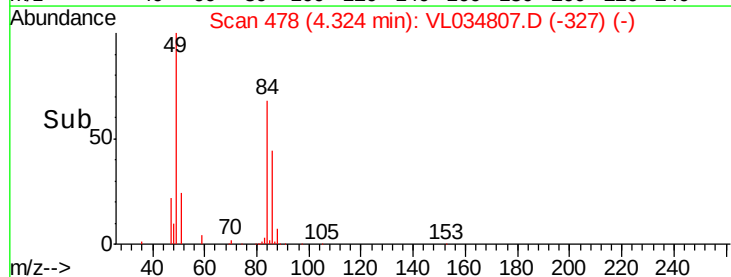
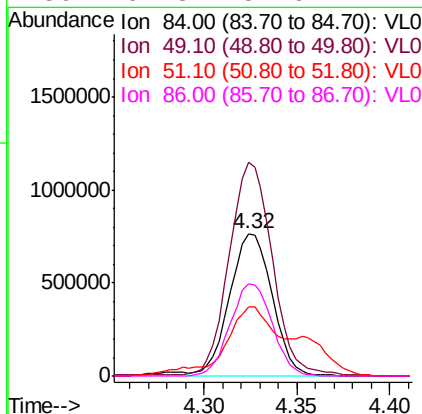
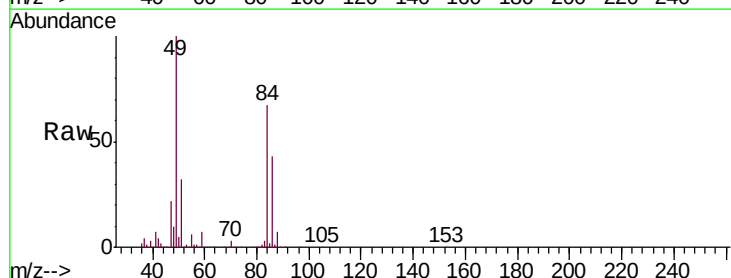
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

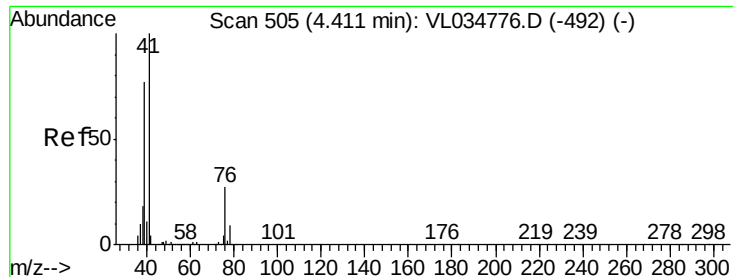
Tgt Ion: 45 Resp: 1720917
Ion Ratio Lower Upper
45 100
58 106.8 1.8 2.8#



#20
Methylene Chloride
Concen: 62.201 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 84 Resp: 1215485
Ion Ratio Lower Upper
84 100
49 148.7 123.2 184.8
51 42.8 37.4 56.2
86 64.3 51.6 77.4





#21

Allyl Chloride

Concen: 56.564 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.05 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4

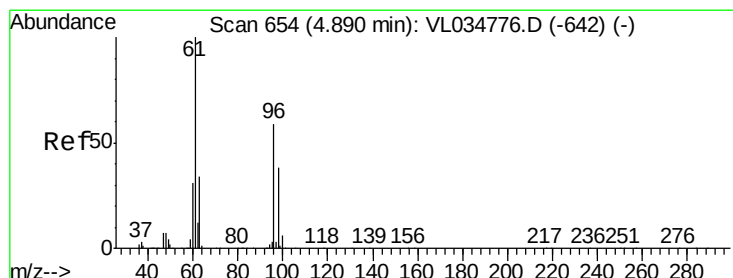
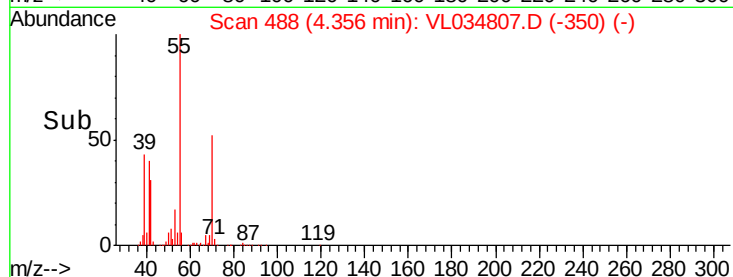
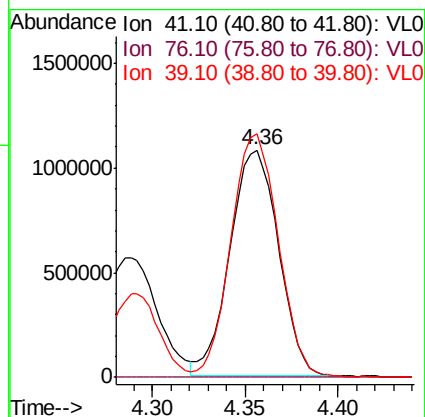
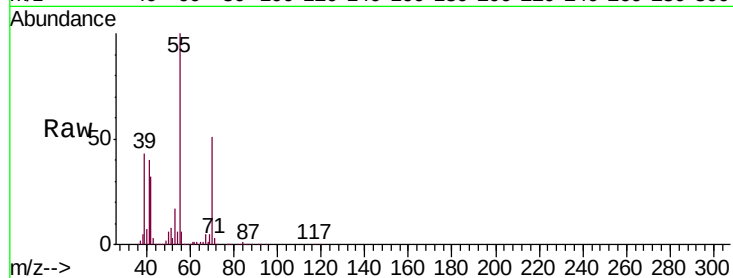
Tgt Ion: 41 Resp: 1961220

Ion Ratio Lower Upper

41 100

76 0.0 22.5 33.7#

39 105.3 65.0 97.6#



#22

trans-1,2-Dichloroethene

Concen: 68.663 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

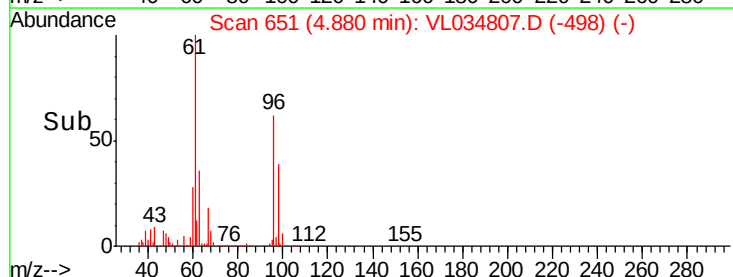
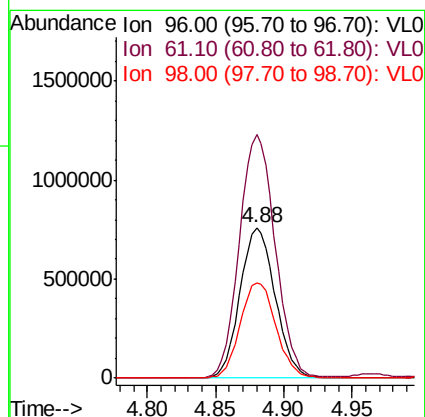
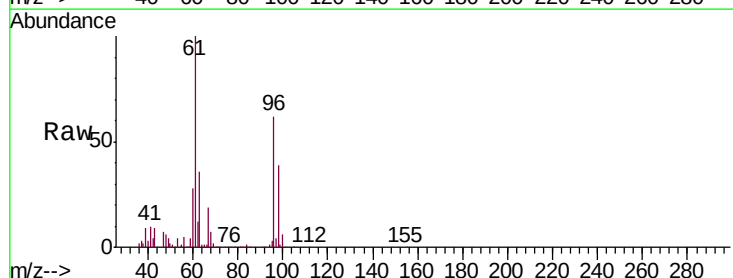
Tgt Ion: 96 Resp: 1361825

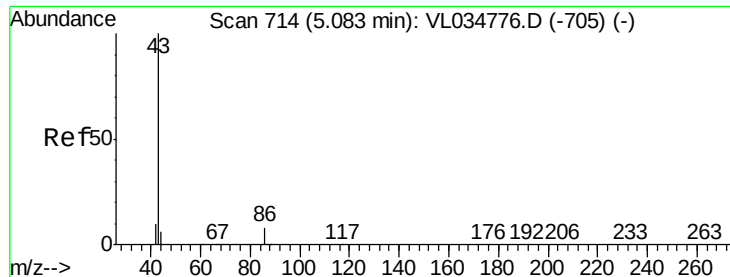
Ion Ratio Lower Upper

96 100

61 162.0 135.2 202.8

98 63.6 50.8 76.2





#23

Vinyl Acetate

Concen: 92.469 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampled :

SS-3-4

Tgt Ion: 43 Resp: 6788964

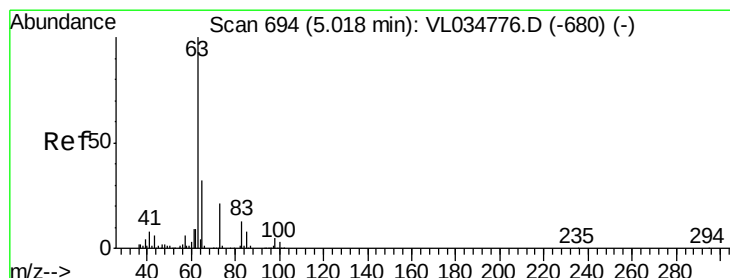
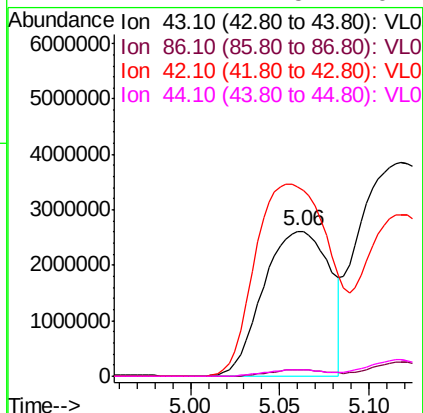
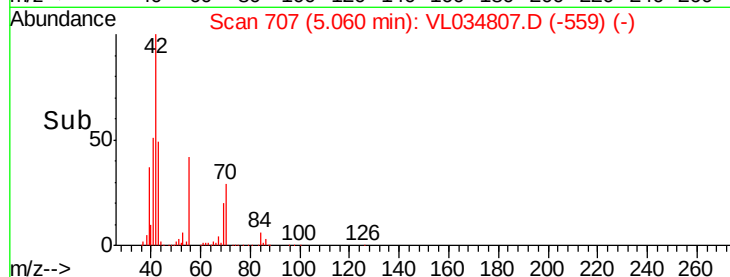
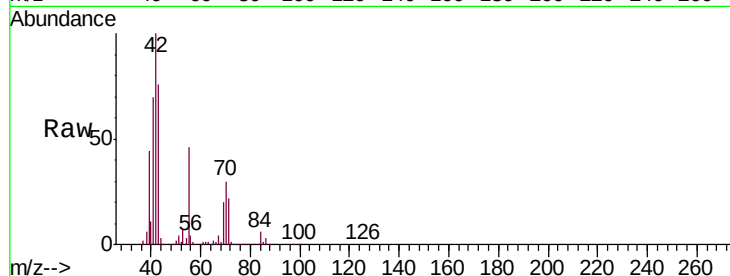
Ion Ratio Lower Upper

43 100

86 4.2 5.9 8.9#

42 130.8 8.2 12.2#

44 4.1 4.5 6.7#



#24

1,1-Dichloroethane

Concen: 8.945 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

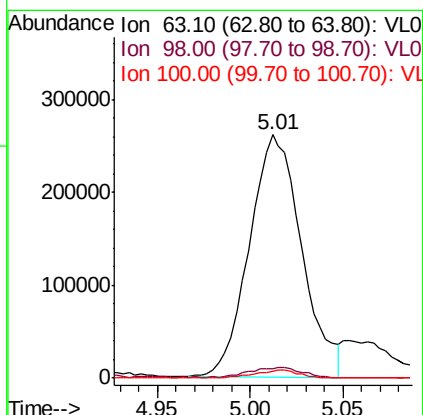
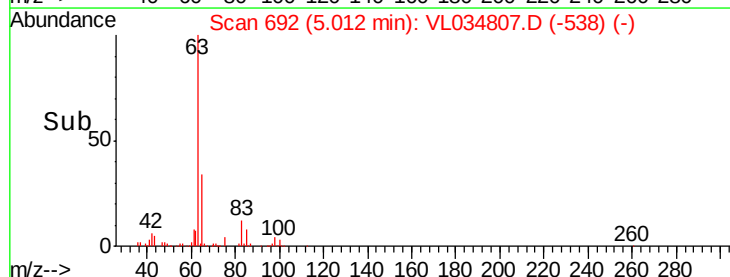
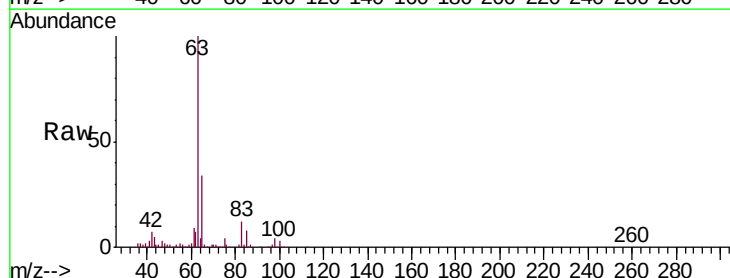
Tgt Ion: 63 Resp: 509709

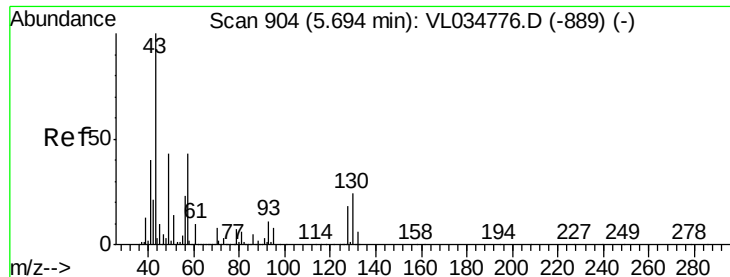
Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.8

100 3.0 1.5 4.4

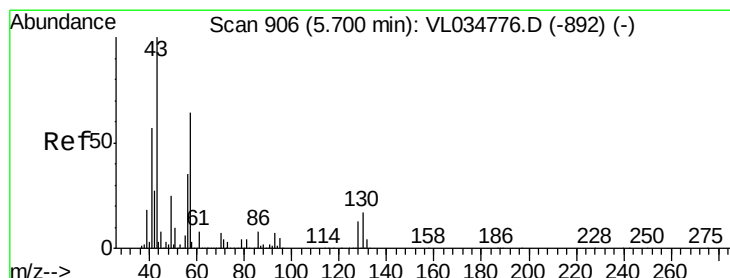
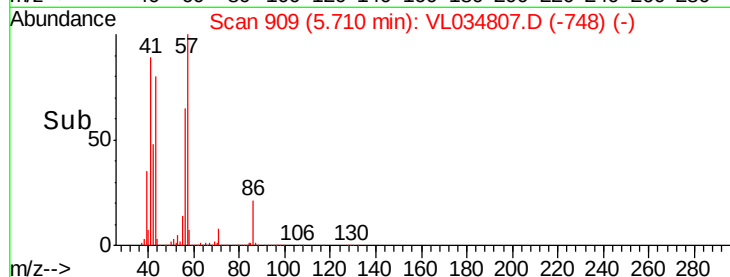
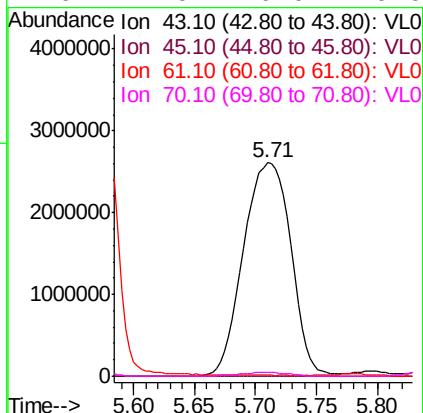
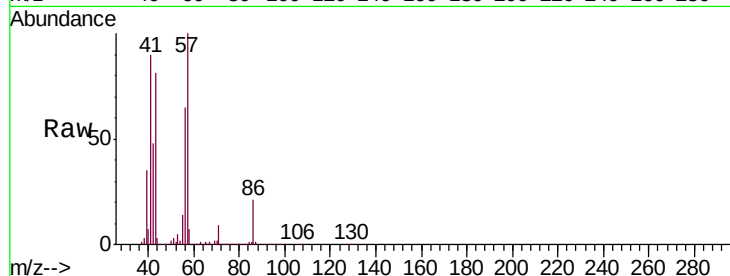




#25
Ethyl Acetate
Concen: 74.453 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.02 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

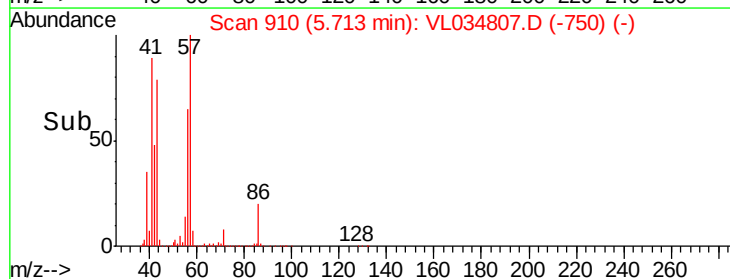
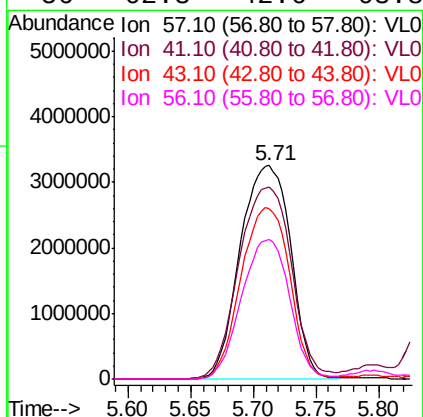
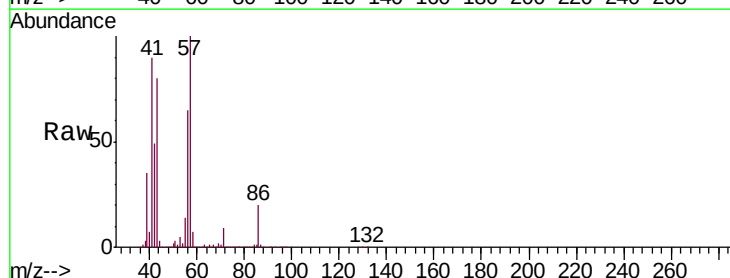
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

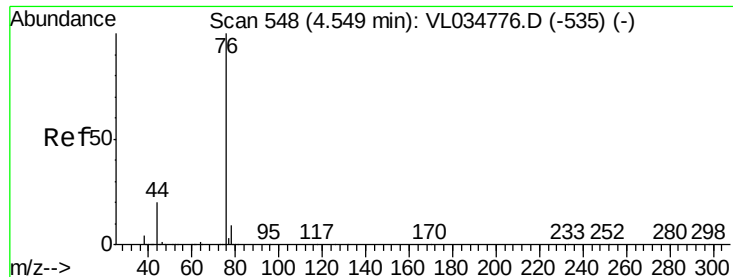
Tgt Ion:	43	Resp:	7044385
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.5	11.3#
70	2.0	6.0	9.0#



#26
Hexane
Concen: 220.826 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion:	57	Resp:	9127552
Ion	Ratio	Lower	Upper
57	100		
41	93.5	72.0	108.0
43	77.1	179.1	268.7#
56	62.3	42.6	63.8





#27

Carbon Disulfide

Concen: 79.900 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.01 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleID :

SS-3-4

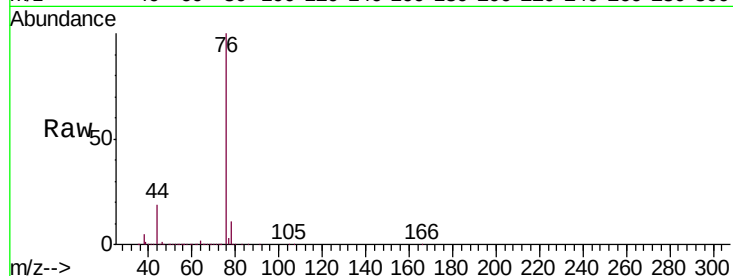
Tgt Ion: 76 Resp: 3858132

Ion Ratio Lower Upper

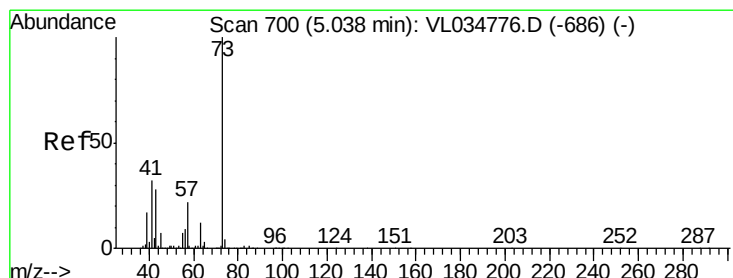
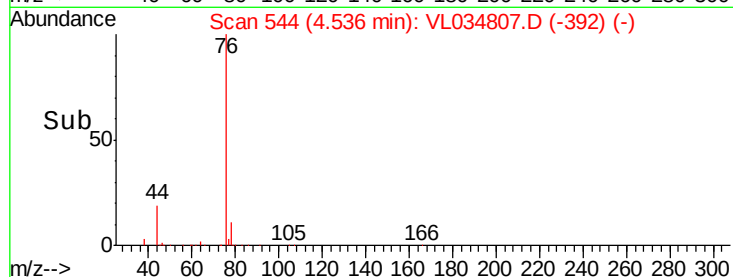
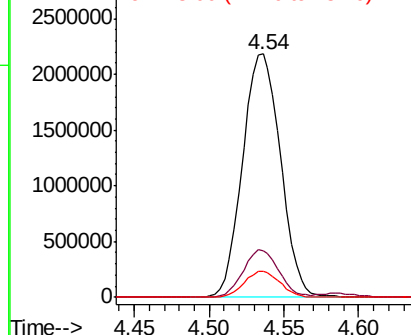
76 100

44 18.6 16.1 24.1

78 10.2 7.5 11.3



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: 0.081 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL034807.D

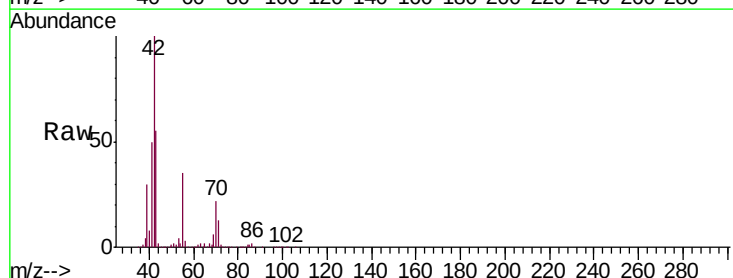
Acq: 5 Mar 2020 22:26

Tgt Ion: 73 Resp: 4978

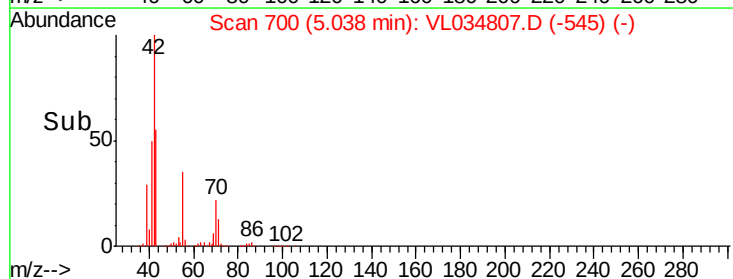
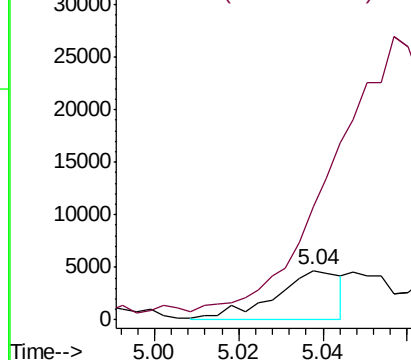
Ion Ratio Lower Upper

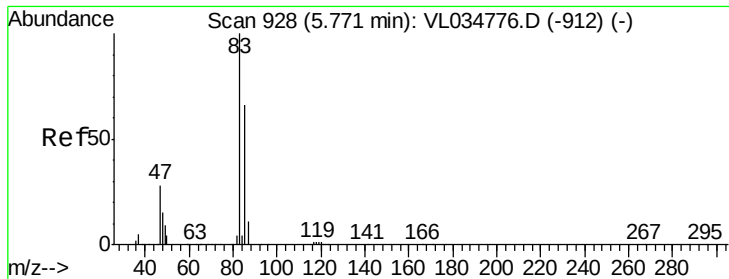
73 100

57 0.0 18.5 27.7#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

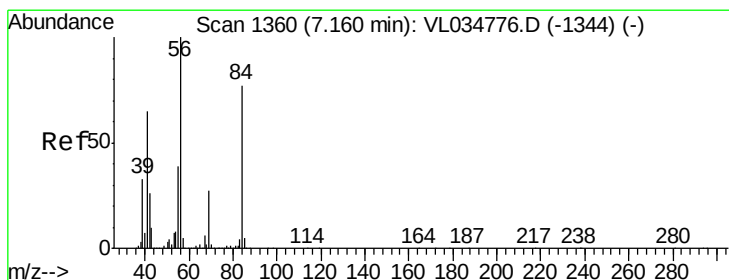
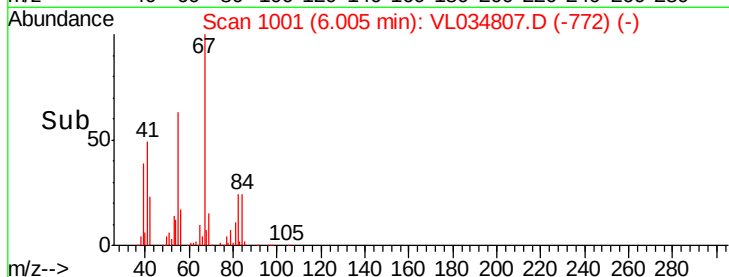
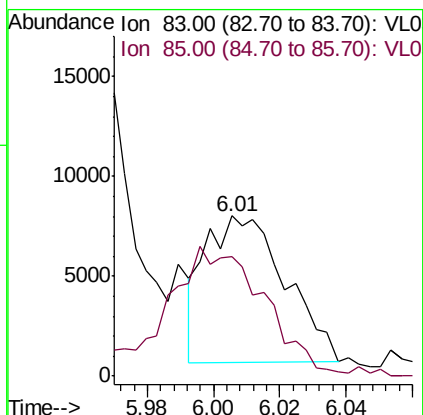
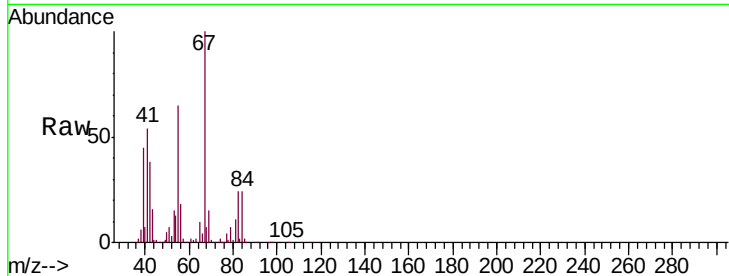




#29
Chloroform
Concen: 0.177 ppbv
RT: 6.01 min Scan# 1001
Delta R.T. 0.23 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

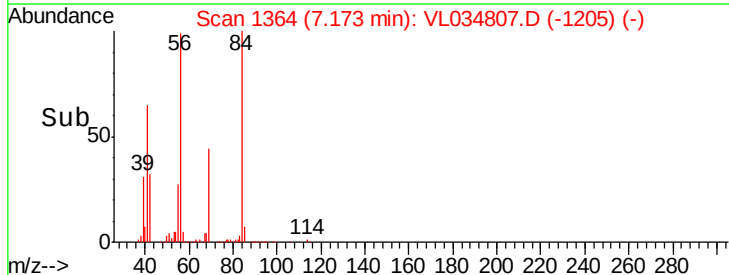
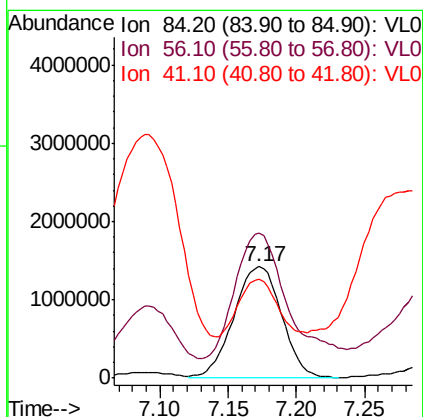
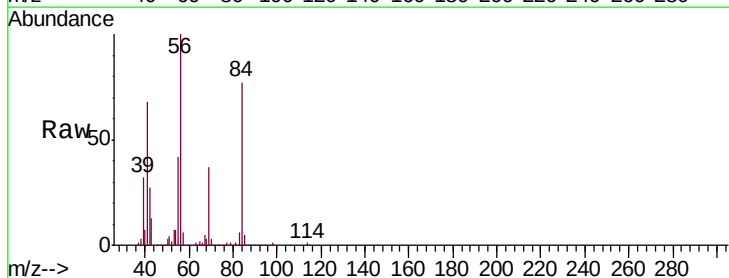
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

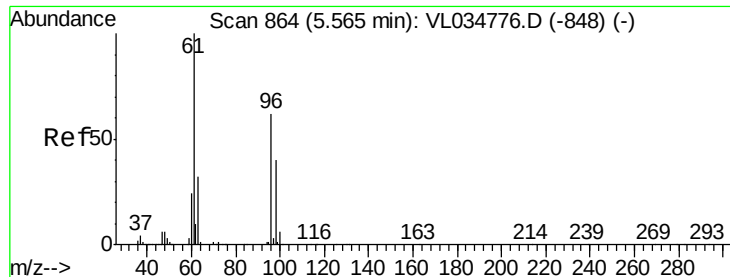
Tgt Ion: 83 Resp: 12335
Ion Ratio Lower Upper
83 100
85 78.6 53.0 79.4



#30
Cyclohexane
Concen: 108.238 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 84 Resp: 3422687
Ion Ratio Lower Upper
84 100
56 119.6 113.2 169.8
41 42.0 70.2 105.4#



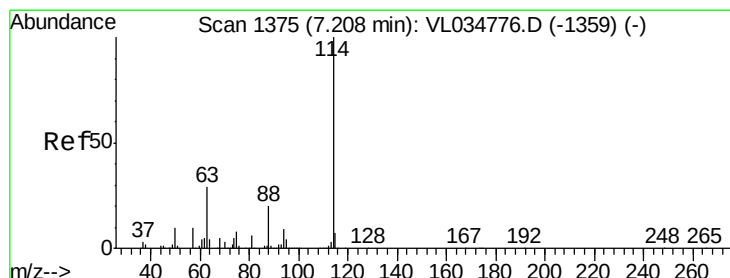
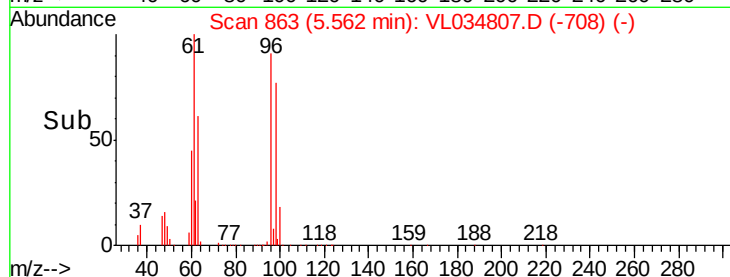
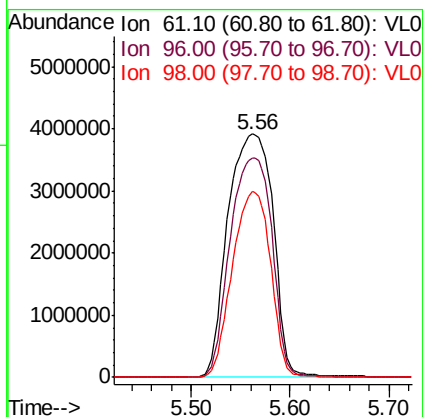
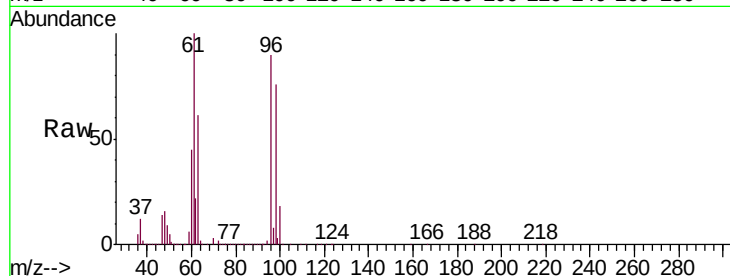


#31

cis-1,2-Dichloroethene
 Concen: 294.573 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4

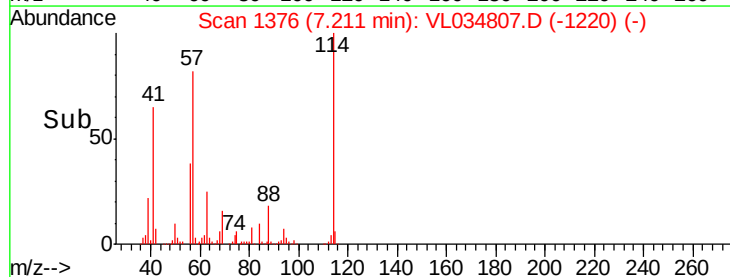
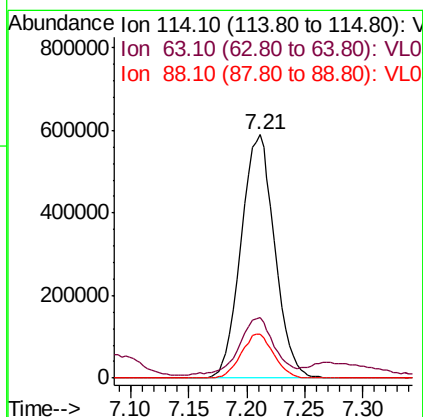
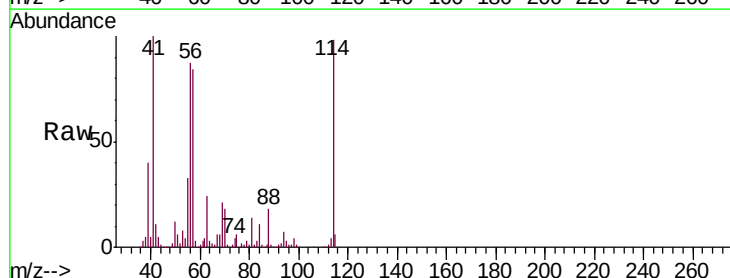
Tgt Ion: 61 Resp:12488285
 Ion Ratio Lower Upper
 61 100
 96 90.3 49.7 74.5#
 98 76.3 31.9 47.9#

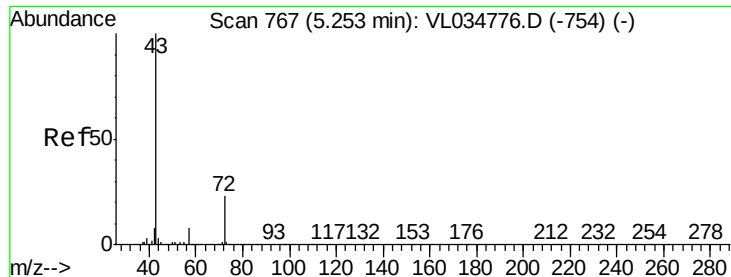


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion:114 Resp: 1186910
 Ion Ratio Lower Upper
 114 100
 63 25.9 23.6 35.4
 88 17.6 15.8 23.8

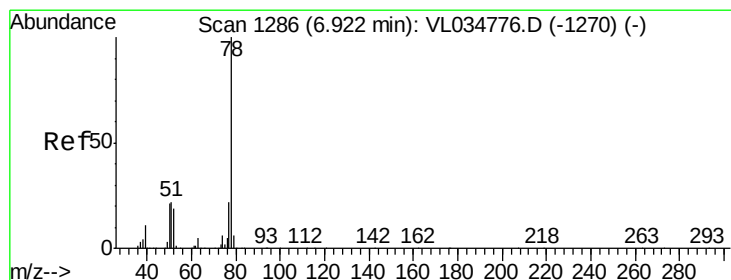
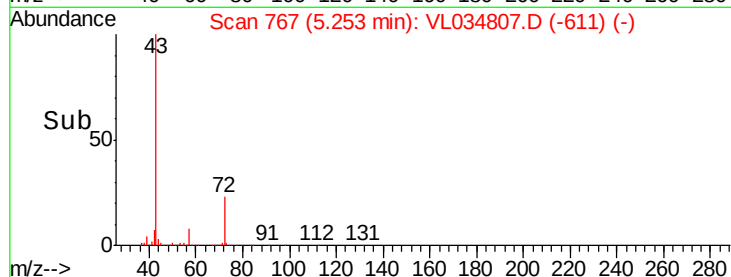
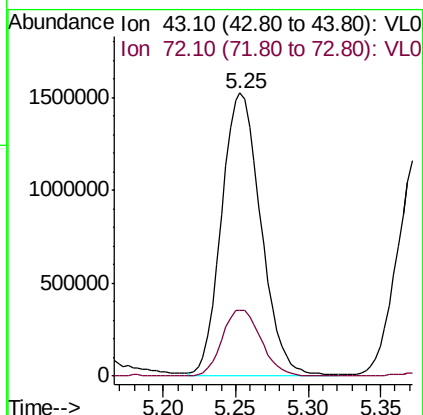
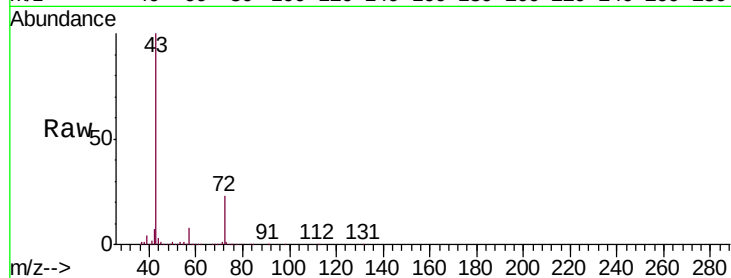




#34
2-Butanone
Concen: 37.378 ppbv
RT: 5.25 min Scan# 767
Delta R.T. -0.00 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

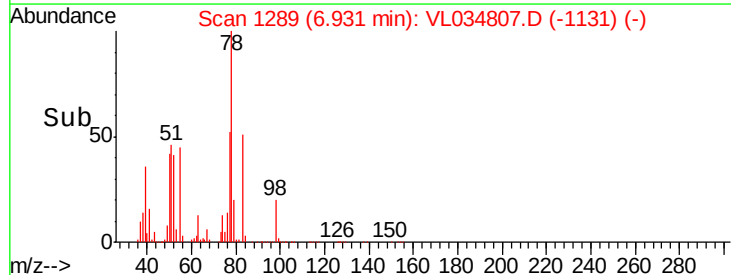
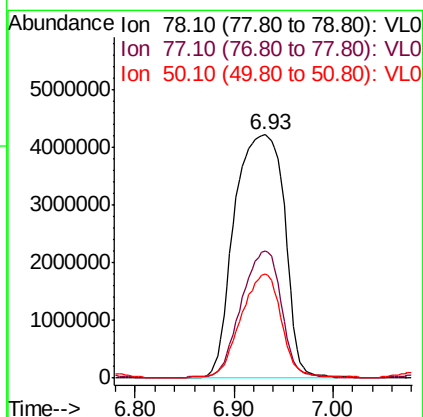
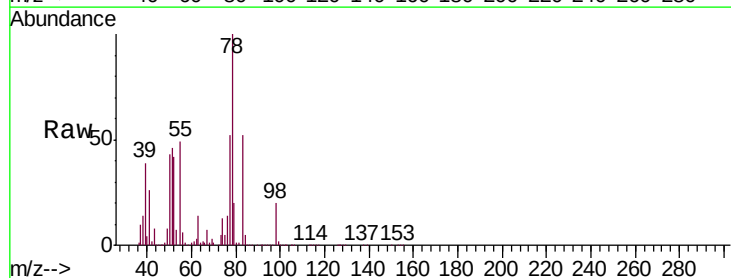
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

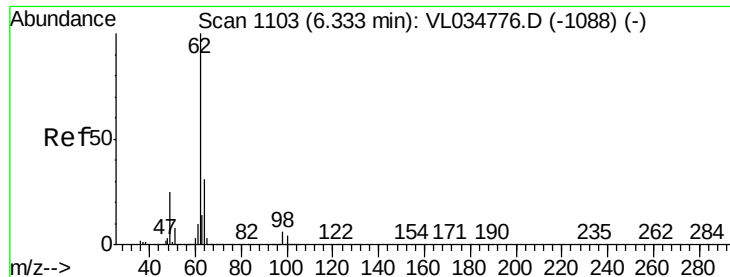
Tgt Ion: 43 Resp: 2886234
Ion Ratio Lower Upper
43 100
72 22.8 17.5 26.3



#36
Benzene
Concen: 145.629 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 78 Resp: 14770067
Ion Ratio Lower Upper
78 100
77 51.8 18.0 27.0#
50 42.2 16.9 25.3#

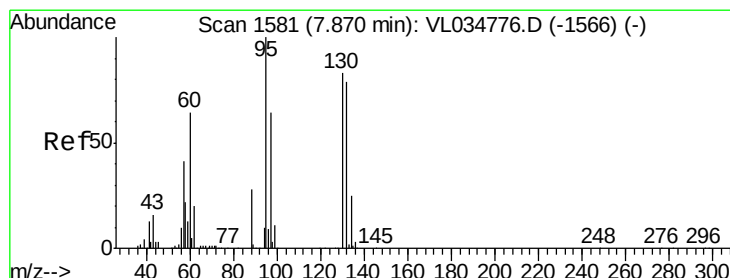
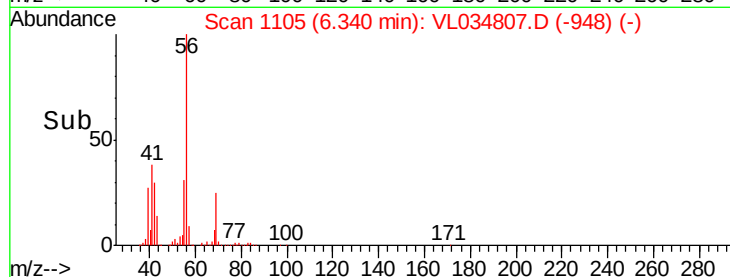
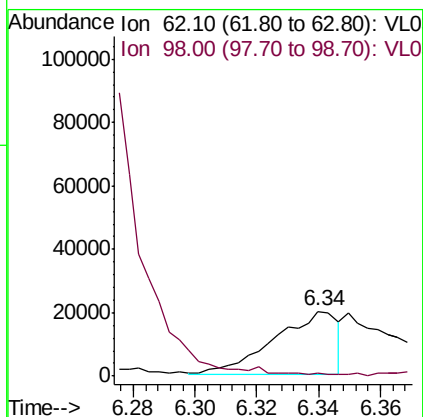
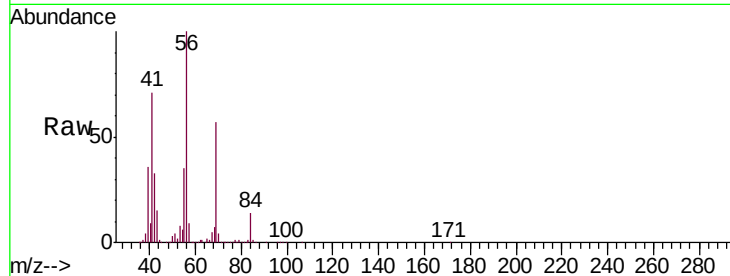




#37
 1,2-Dichloroethane
 Concen: 0.404 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

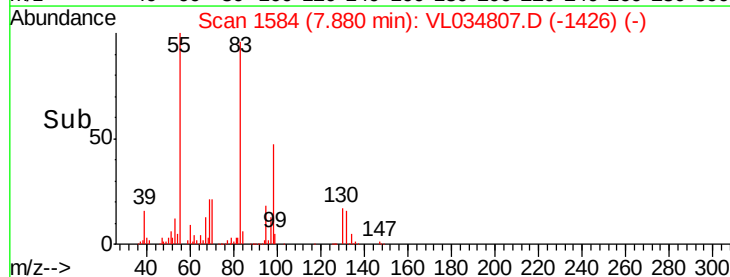
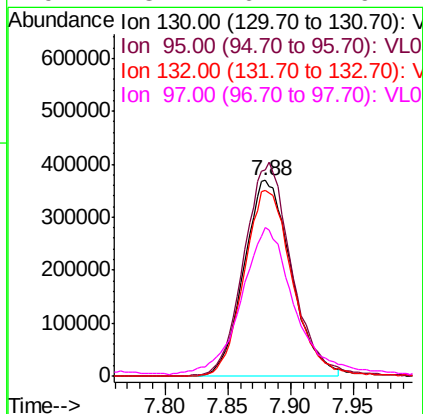
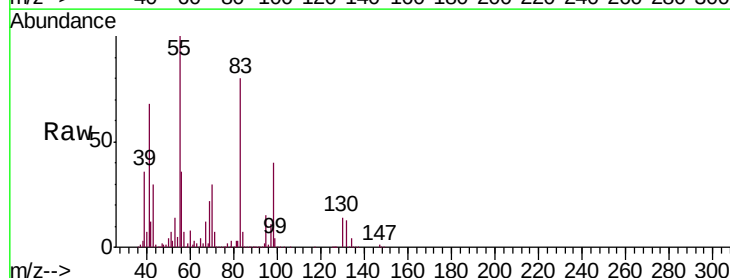
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4

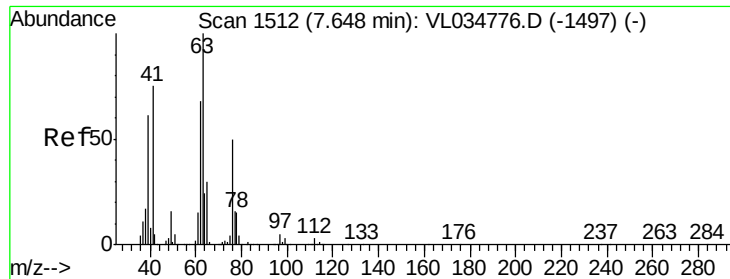
Tgt Ion: 62 Resp: 27978
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.4 6.6#



#38
 Trichloroethene
 Concen: 24.565 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 130 Resp: 971020
 Ion Ratio Lower Upper
 130 100
 95 105.4 95.8 143.8
 132 94.7 76.1 114.1
 97 73.7 61.1 91.7





#39

1,2-Dichloropropane

Concen: 4.656 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4

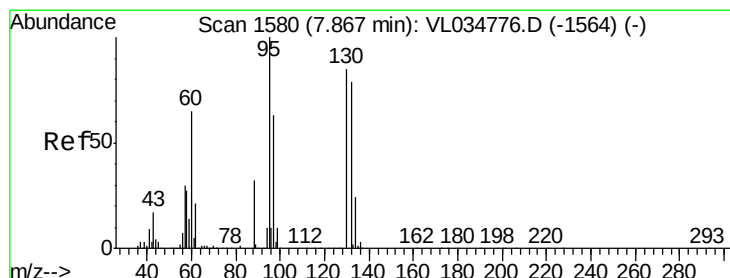
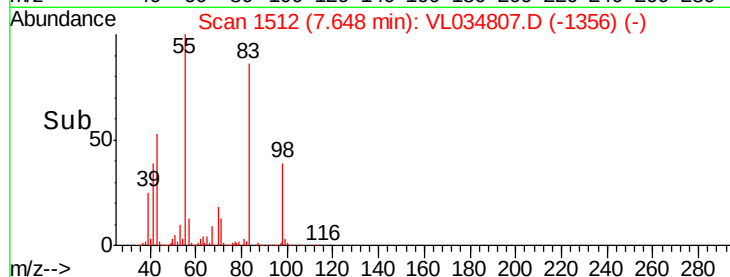
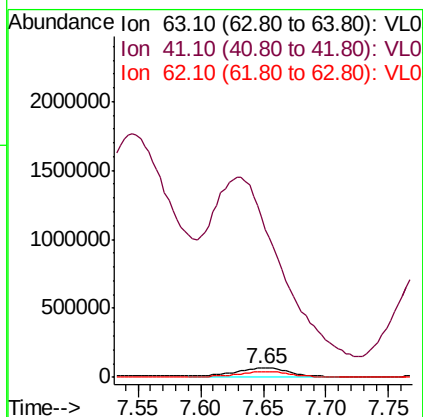
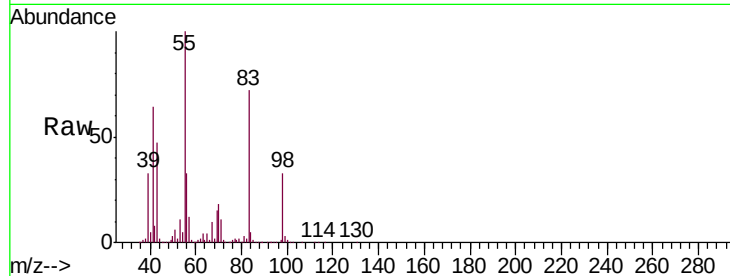
Tgt Ion: 63 Resp: 190553

Ion Ratio Lower Upper

63 100

41 1554.5 60.3 90.5#

62 59.7 54.5 81.7



#40

1,4-Dioxane

Concen: 0.112 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Tgt Ion: 88 Resp: 1586

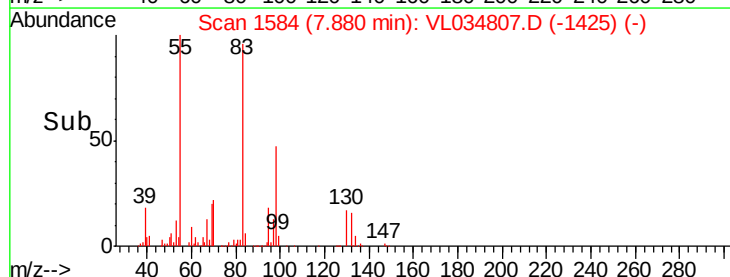
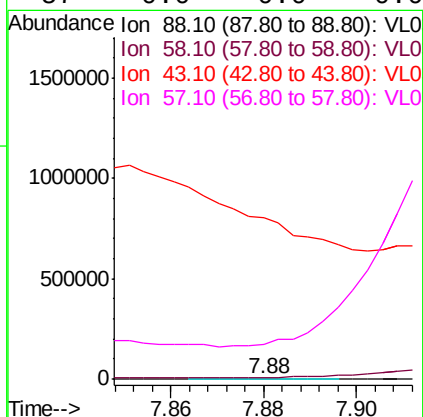
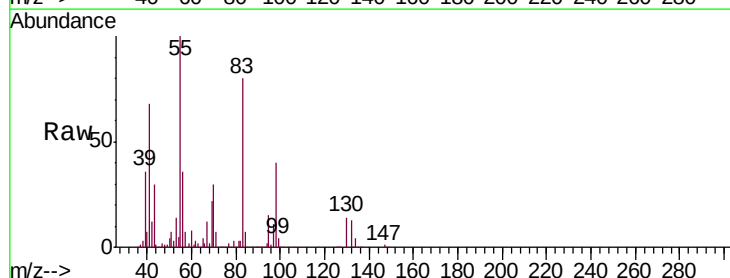
Ion Ratio Lower Upper

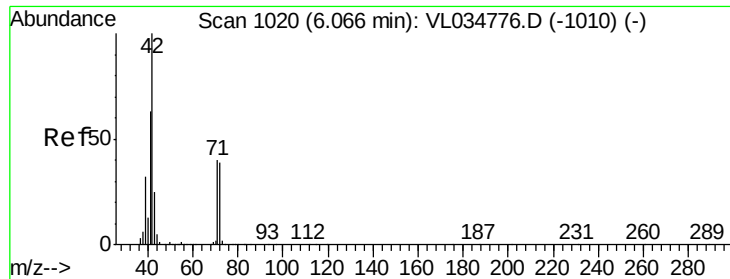
88 100

58 0.0 110.6 166.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

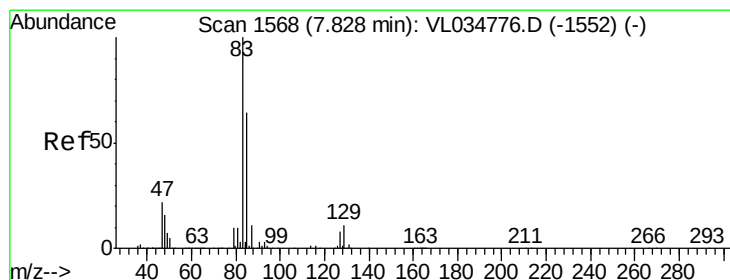
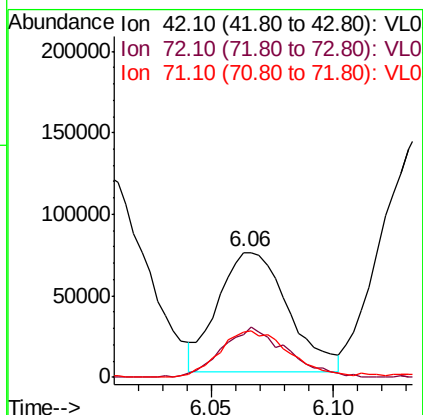
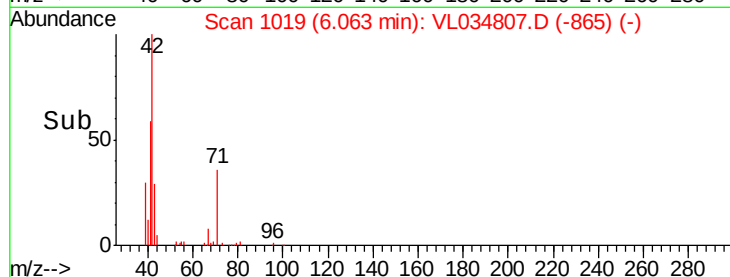
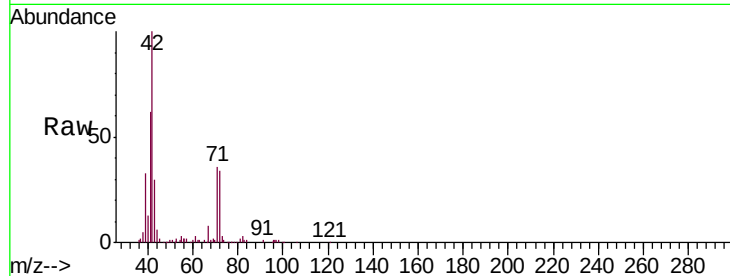




#41
Tetrahydrofuran
Concen: 3.739 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

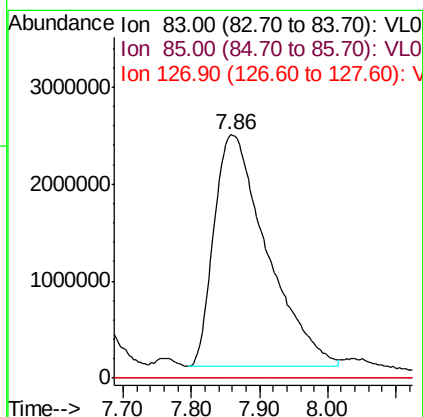
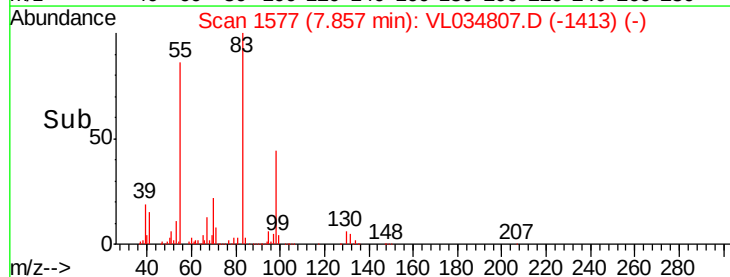
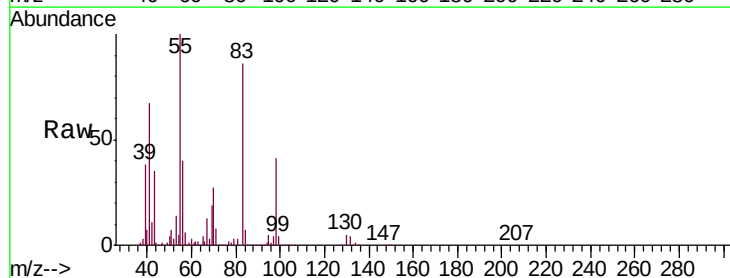
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

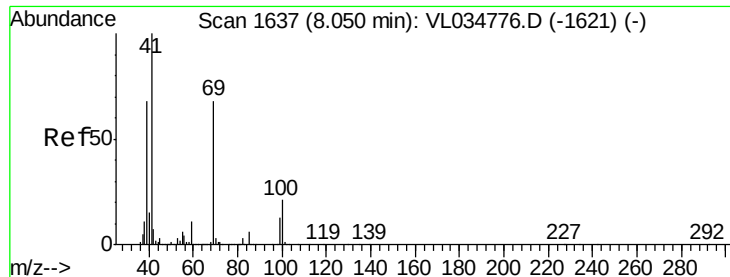
Tgt Ion:	42	Resp:	147319
Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	38.2	31.3	46.9



#42
Bromodichloromethane
Concen: 147.423 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.03 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion:	83	Resp:	12922184
Ion	Ratio	Lower	Upper
83	100		
85	0.4	50.8	76.2#
127	0.0	6.5	9.7#

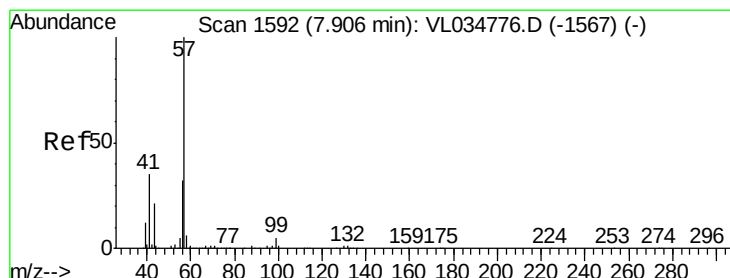
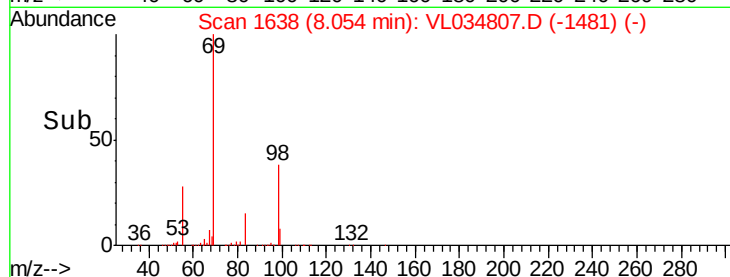
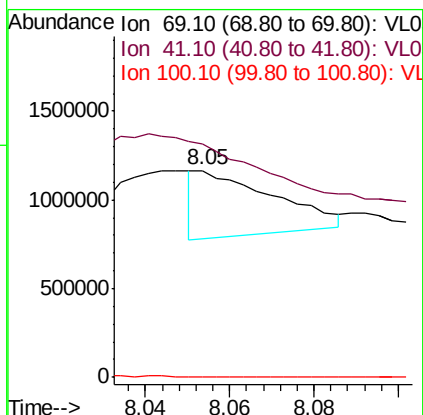
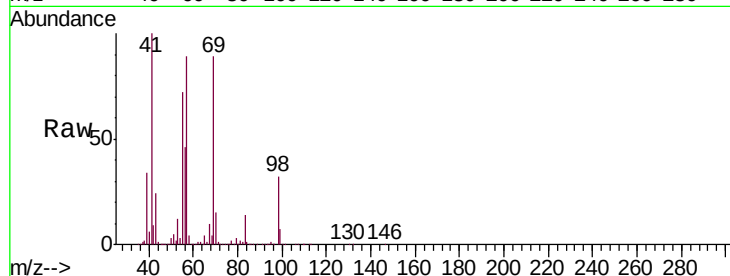




#43
Methyl Methacrylate
Concen: 10.965 ppbv
RT: 8.05 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

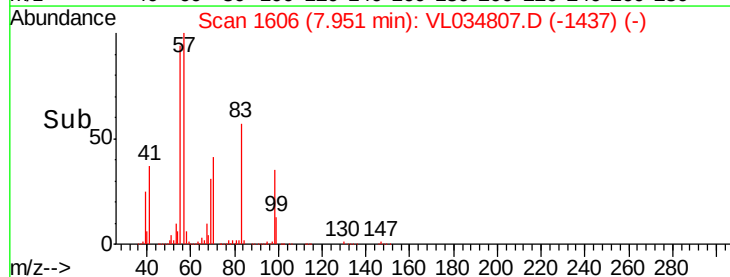
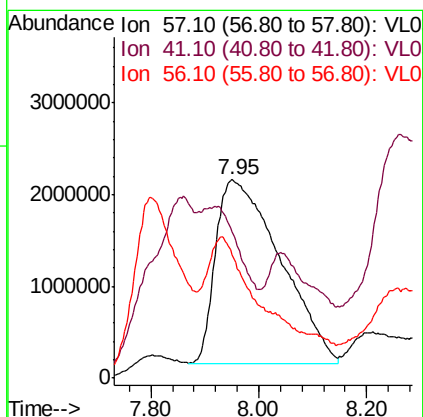
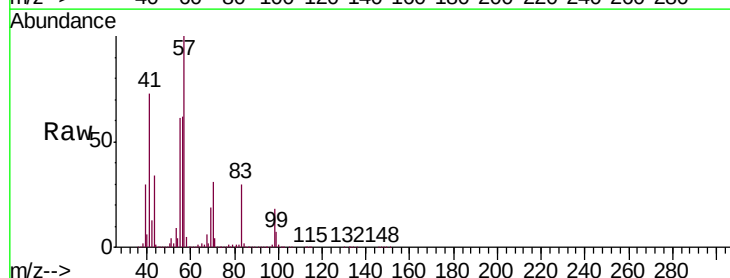
Instrument :
MSVOA_L
ClientSampled :
SS-3-4

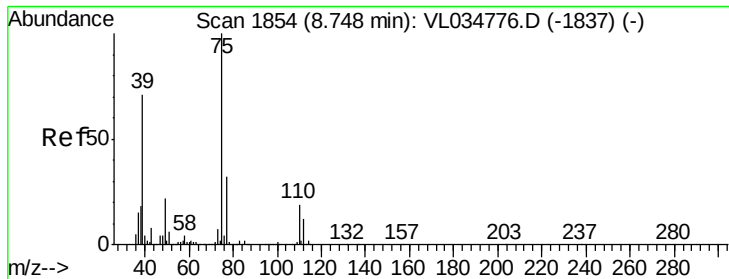
Tgt Ion: 69 Resp: 471267
Ion Ratio Lower Upper
69 100
41 0.0 121.6 182.4#
100 0.0 23.8 35.8#



#44
2,2,4-Trimethylpentane
Concen: 94.089 ppbv
RT: 7.95 min Scan# 1606
Delta R.T. 0.05 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 57 Resp:16676168
Ion Ratio Lower Upper
57 100
41 35.2 27.4 41.0
56 46.1 25.0 37.6#

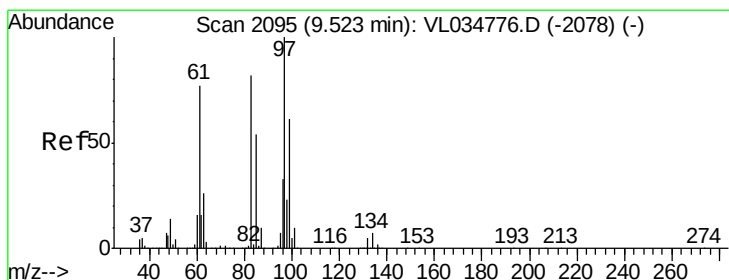
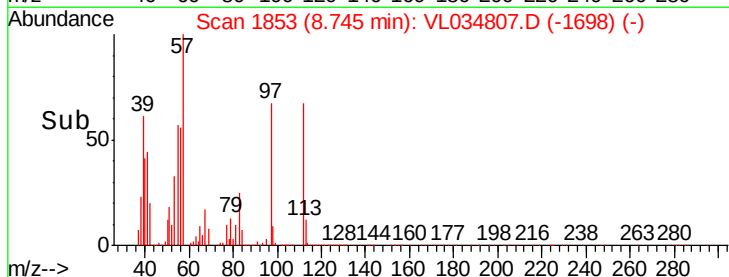
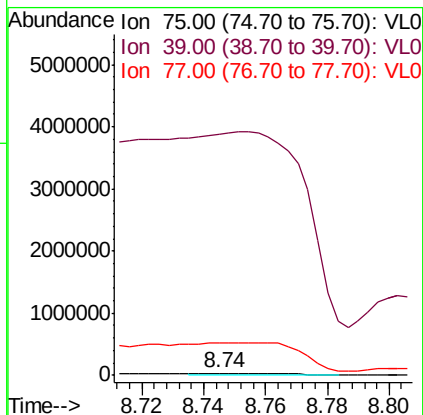
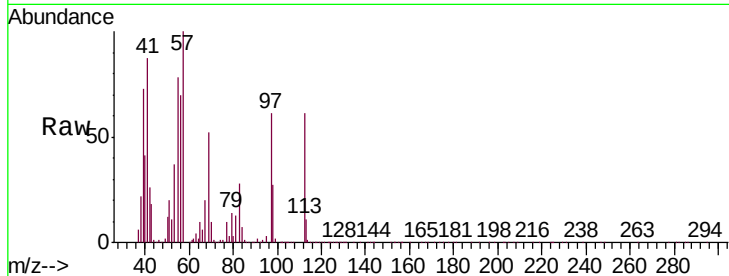




#46
 cis-1,3-Dichloropropene
 Concen: 1.103 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

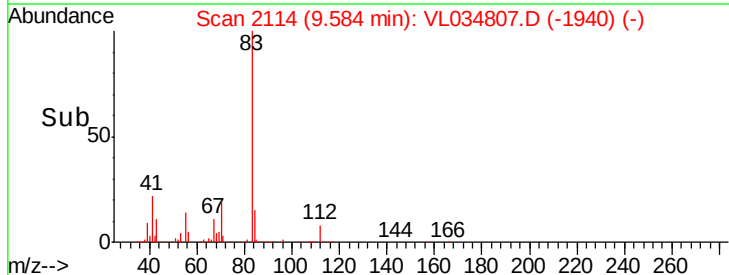
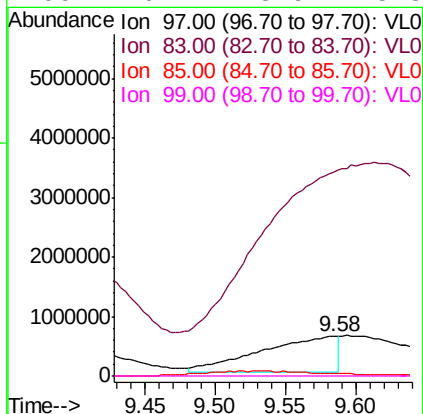
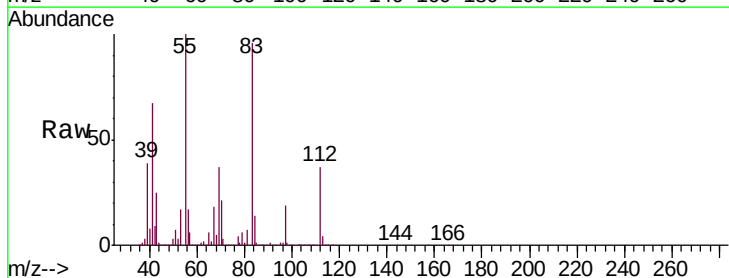
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4

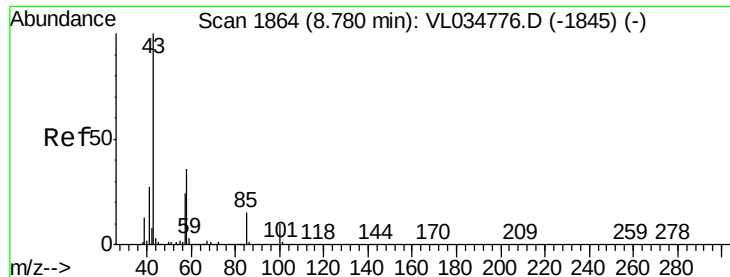
Tgt Ion: 75 Resp: 60769
 Ion Ratio Lower Upper
 75 100
 39 10879.1 56.9 85.3#
 77 1673.2 25.7 38.5#



#47
 1,1,2-Trichloroethane
 Concen: 52.921 ppbv
 RT: 9.58 min Scan# 2114
 Delta R.T. 0.06 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 97 Resp: 2286867
 Ion Ratio Lower Upper
 97 100
 83 503.5 65.2 97.8#
 85 1.3 43.6 65.4#
 99 0.2 48.9 73.3#

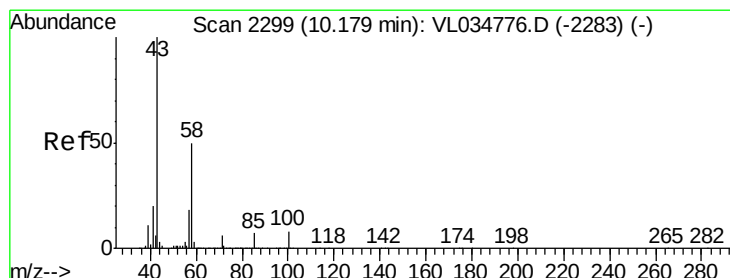
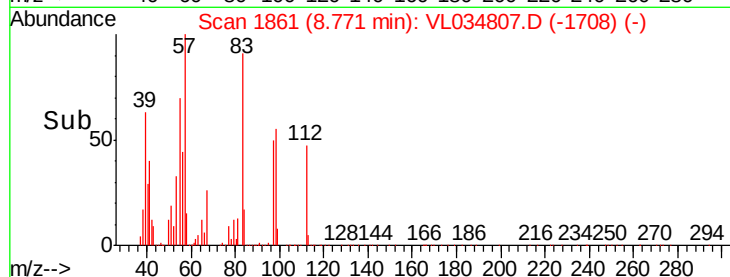
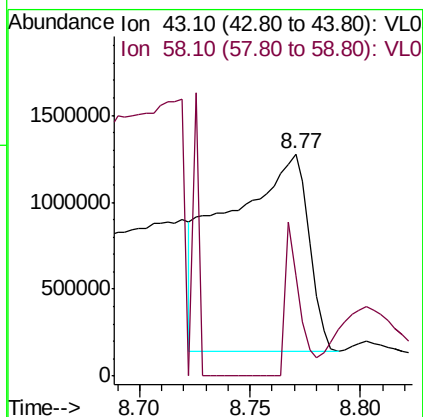
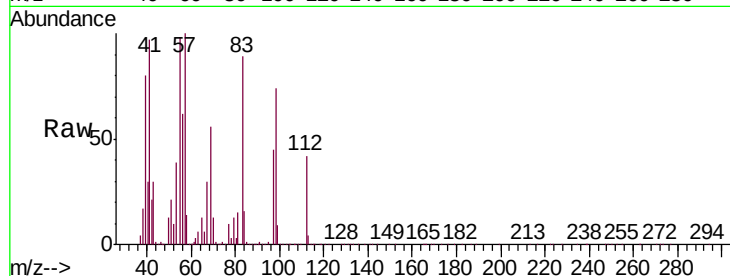




#50
 4-Methyl-2-Pentanone
 Concen: 26.623 ppbv
 RT: 8.77 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

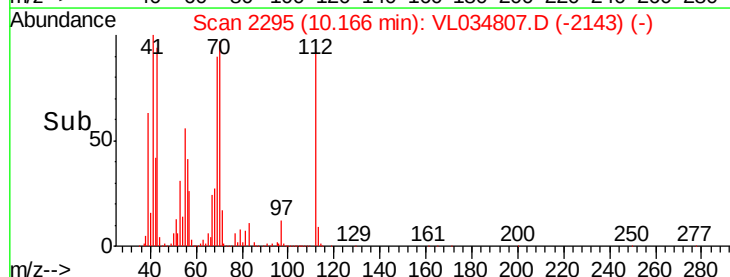
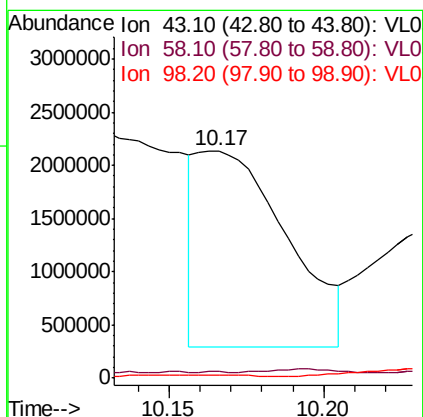
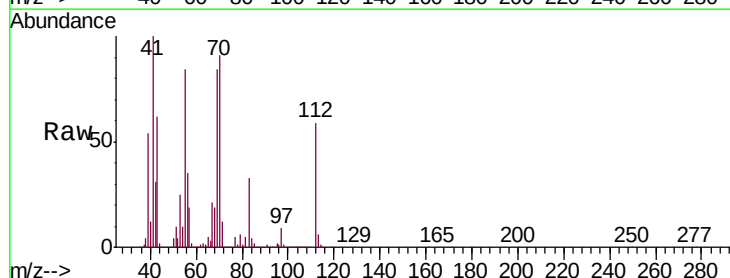
Instrument :
 MSVOA_L
 ClientSampleID :
 SS-3-4

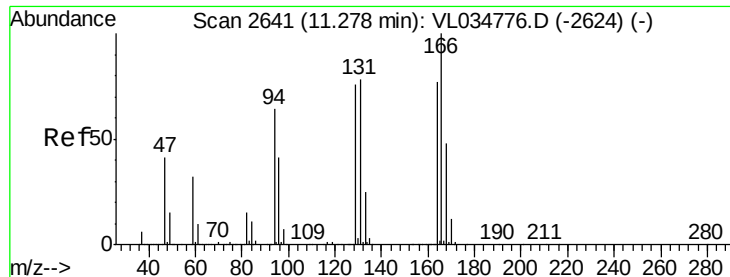
Tgt Ion: 43 Resp: 2945646
 Ion Ratio Lower Upper
 43 100
 58 15.5 28.7 43.1#



#51
 2-Hexanone
 Concen: 42.504 ppbv
 RT: 10.17 min Scan# 2295
 Delta R.T. -0.01 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 43 Resp: 3689018
 Ion Ratio Lower Upper
 43 100
 58 5.7 38.6 58.0#
 98 1.6 0.2 0.4#





#52

Tetrachloroethene

Concen: 8.645 ppbv

RT: 11.37 min Scan# 2669

Delta R.T. 0.09 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4

Tgt Ion:164 Resp: 323951

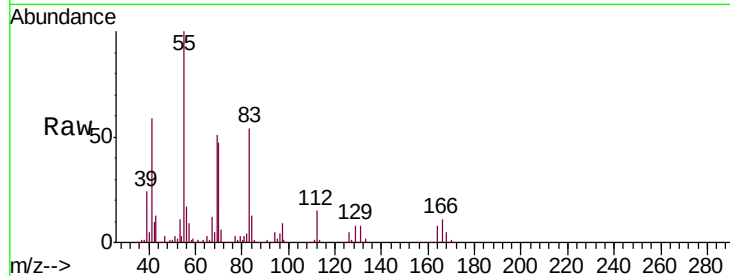
Ion Ratio Lower Upper

164 100

166 126.8 103.3 154.9

129 97.5 79.0 118.4

131 91.2 81.0 121.4

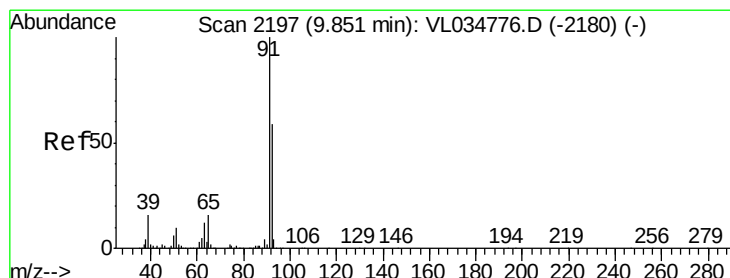
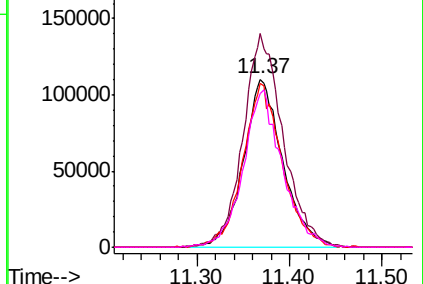
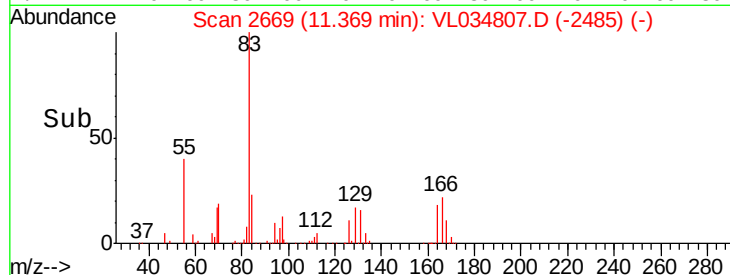


Abundance Ion 163.90 (163.60 to 164.60): V

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: 135.346 ppbv

RT: 9.95 min Scan# 2227

Delta R.T. 0.10 min

Lab File: VL034807.D

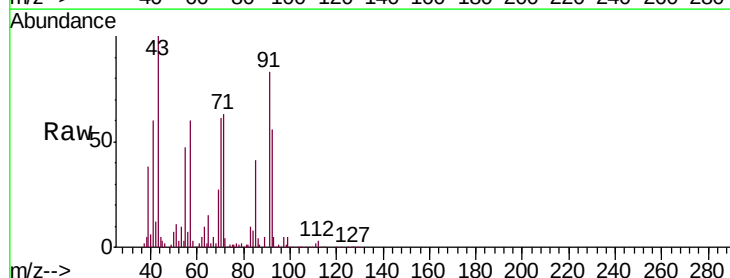
Acq: 5 Mar 2020 22:26

Tgt Ion: 91 Resp:14528385

Ion Ratio Lower Upper

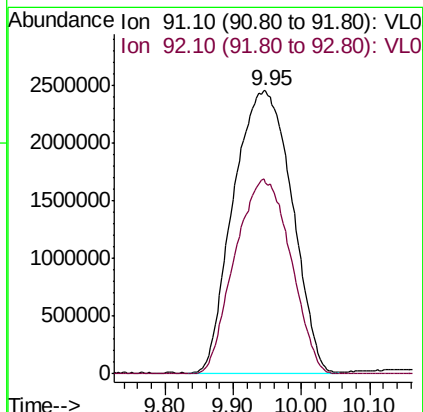
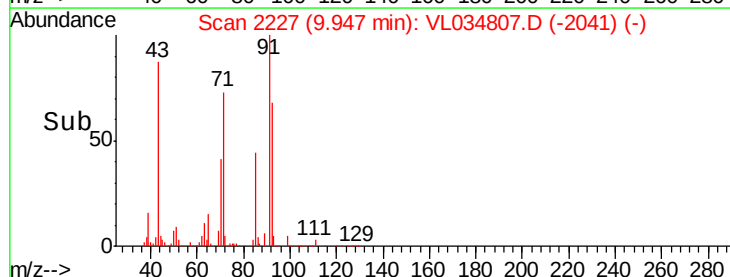
91 100

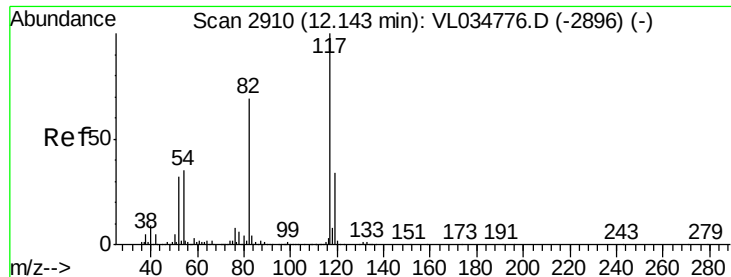
92 65.8 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

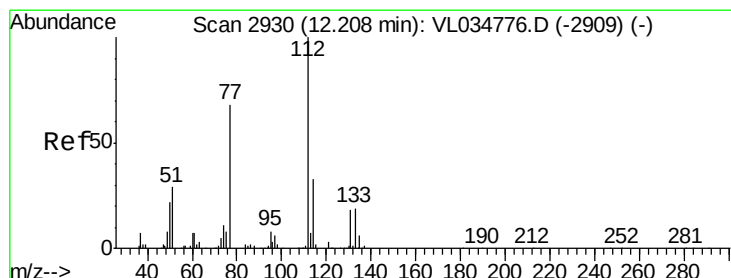
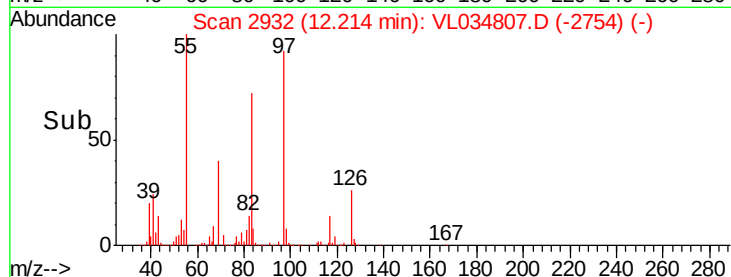
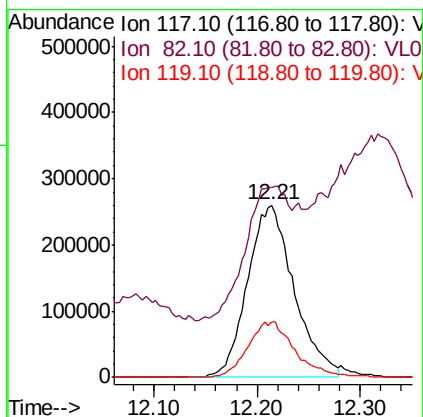
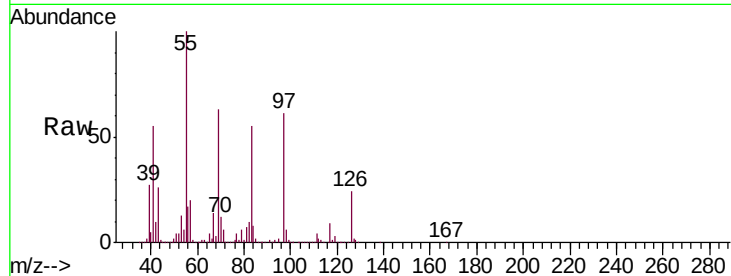




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. 0.07 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

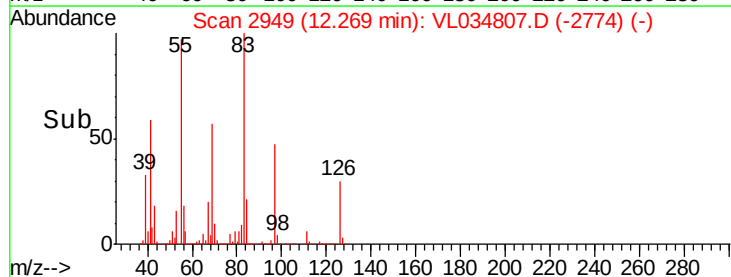
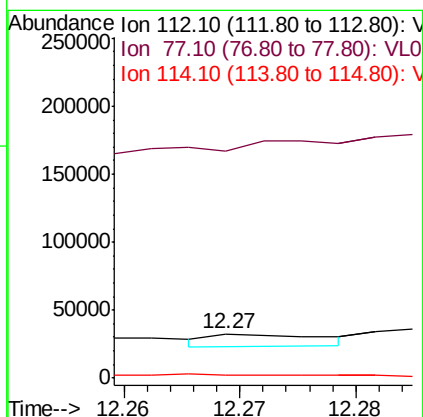
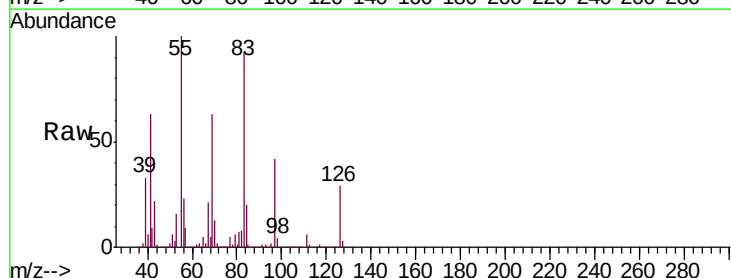
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

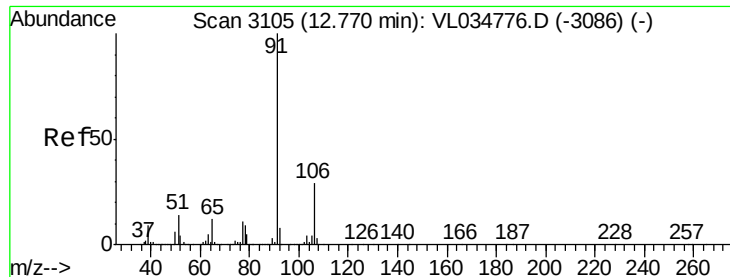
Tgt Ion:117 Resp: 815602
Ion Ratio Lower Upper
117 100
82 133.1 53.9 80.9#
119 32.8 25.0 37.4



#57
Chlorobenzene
Concen: 0.096 ppbv
RT: 12.27 min Scan# 2949
Delta R.T. 0.06 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion:112 Resp: 5998
Ion Ratio Lower Upper
112 100
77 0.0 55.6 83.4#
114 0.0 29.4 36.0#





#58

Ethyl Benzene

Concen: 262.946 ppbv

RT: 12.89 min Scan# 3141

Delta R.T. 0.12 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

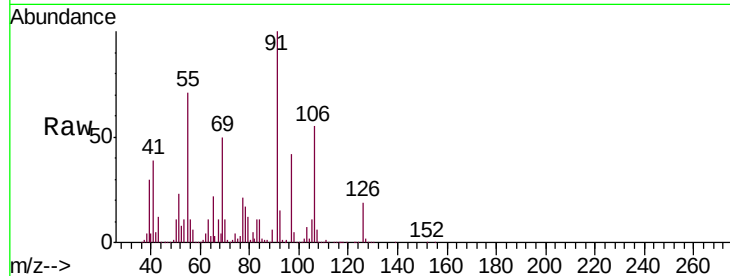
SS-3-4

Tgt Ion: 91 Resp:26428851

Ion Ratio Lower Upper

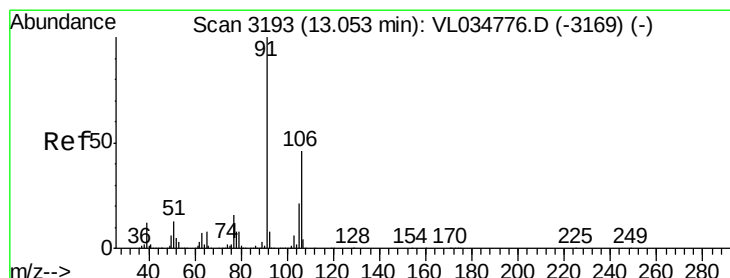
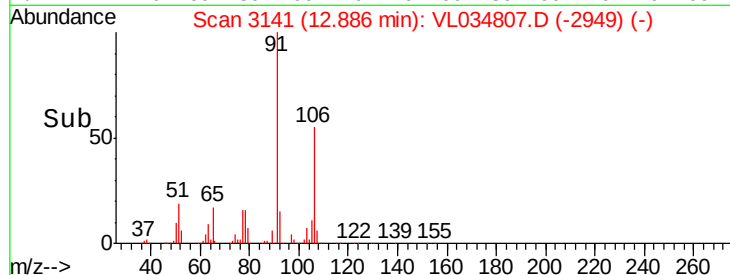
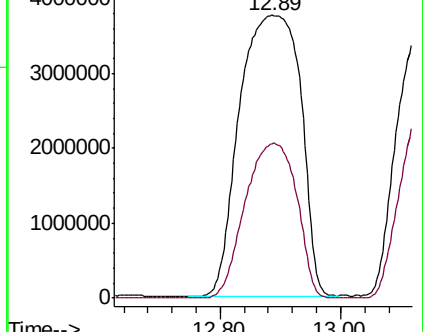
91 100

106 54.9 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: 478.370 ppbv

RT: 13.22 min Scan# 3244

Delta R.T. 0.16 min

Lab File: VL034807.D

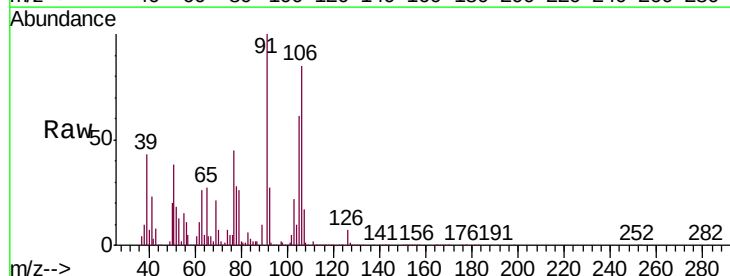
Acq: 5 Mar 2020 22:26

Tgt Ion: 91 Resp:41621041

Ion Ratio Lower Upper

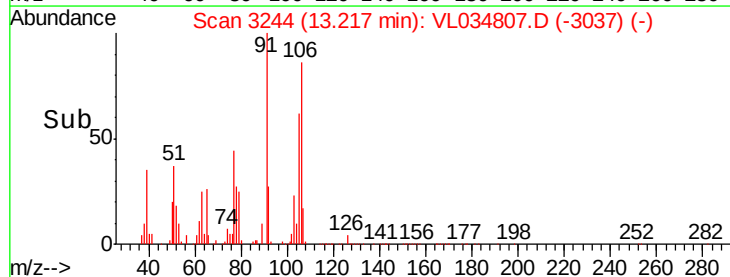
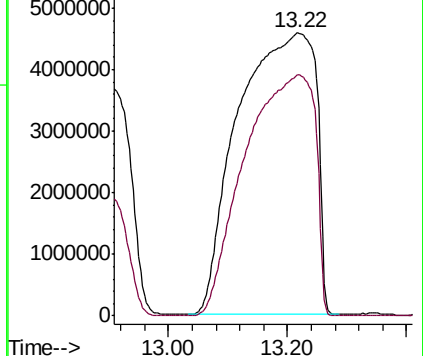
91 100

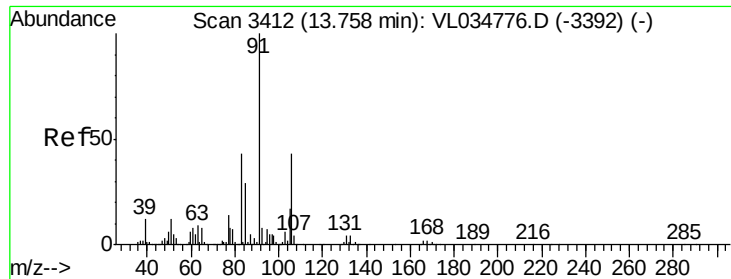
106 77.4 35.8 53.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

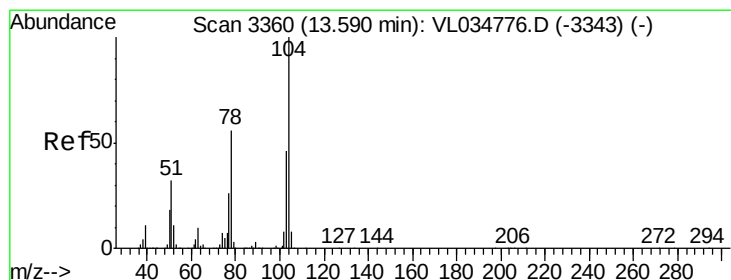
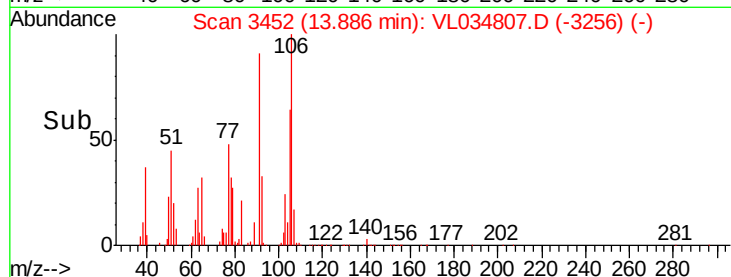
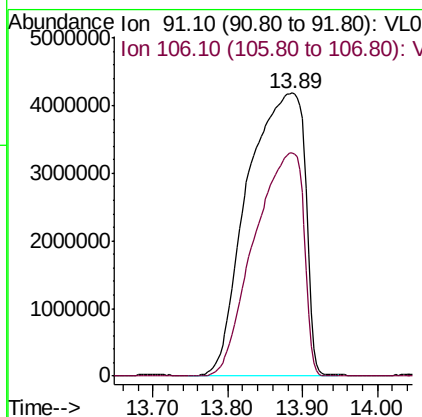
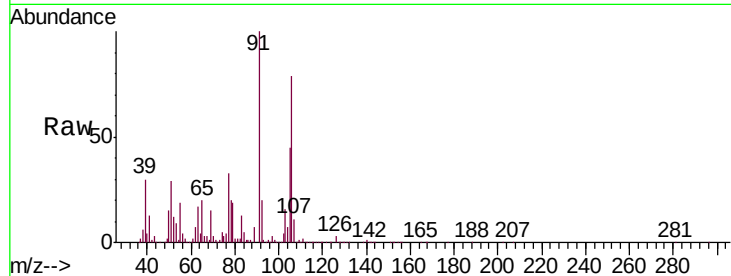




#60
o-Xylene
Concen: 253.789 ppbv
RT: 13.89 min Scan# 3452
Delta R.T. 0.13 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

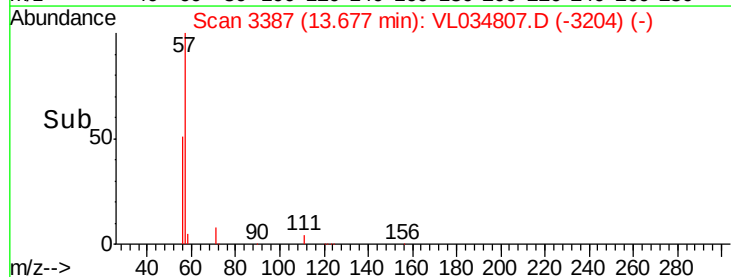
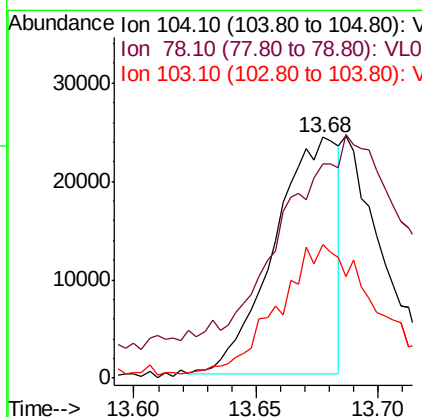
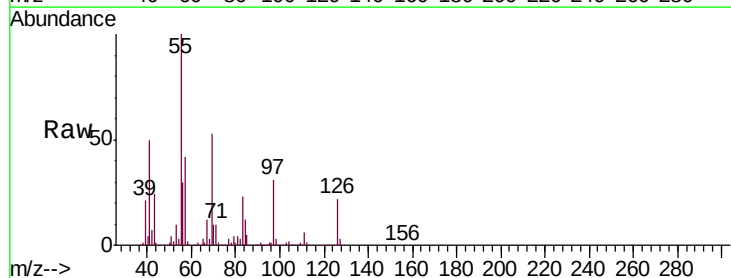
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

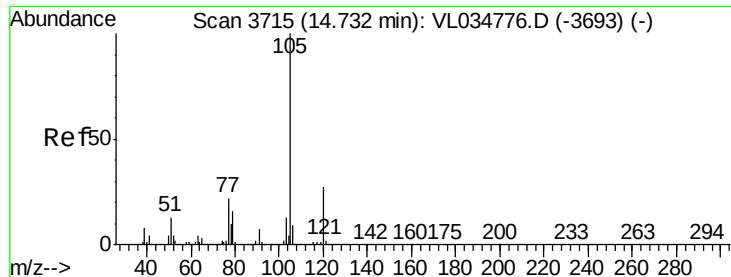
Tgt Ion: 91 Resp: 22341261
Ion Ratio Lower Upper
91 100
106 68.0 21.7 65.1#



#61
Styrene
Concen: 0.801 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.09 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 104 Resp: 43719
Ion Ratio Lower Upper
104 100
78 0.0 44.7 67.1#
103 0.0 38.2 57.2#





#62

Isopropylbenzene

Concen: 9.386 ppbv

RT: 14.79 min Scan# 3732

Delta R.T. 0.05 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

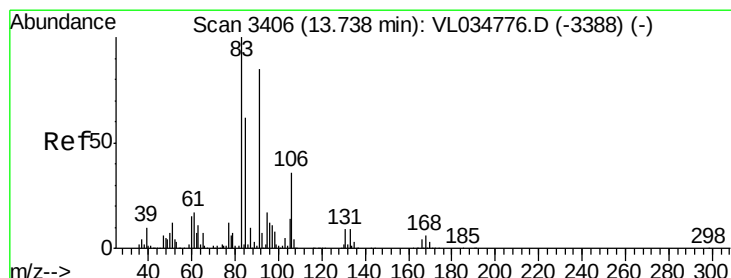
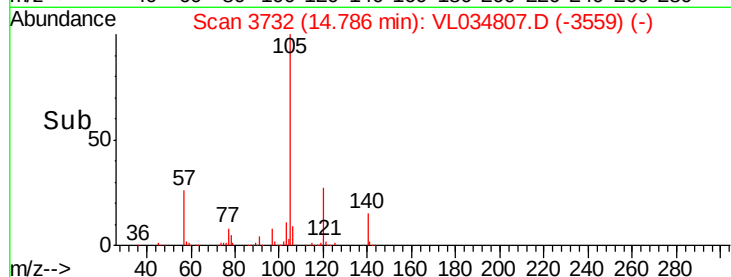
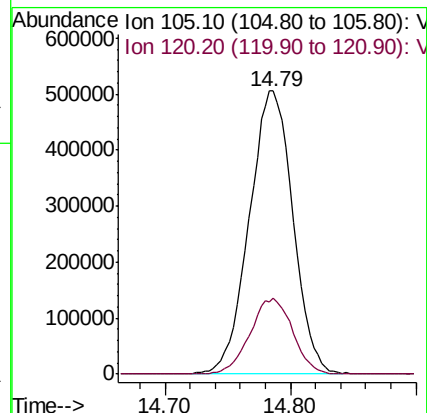
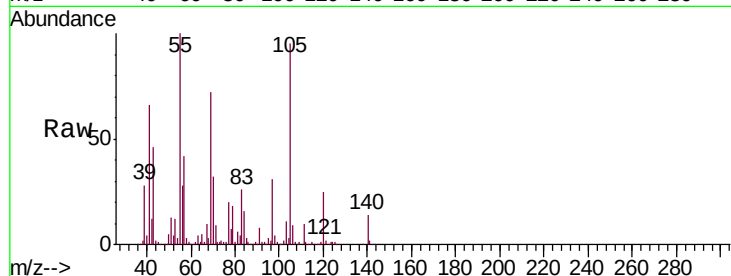
SS-3-4

Tgt Ion:105 Resp: 1216032

Ion Ratio Lower Upper

105 100

120 26.3 20.5 30.7



#63

1,1,2,2-Tetrachloroethane

Concen: 26.016 ppbv

RT: 13.83 min Scan# 3436

Delta R.T. 0.10 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

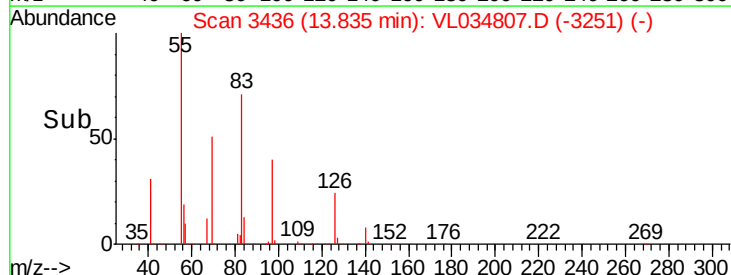
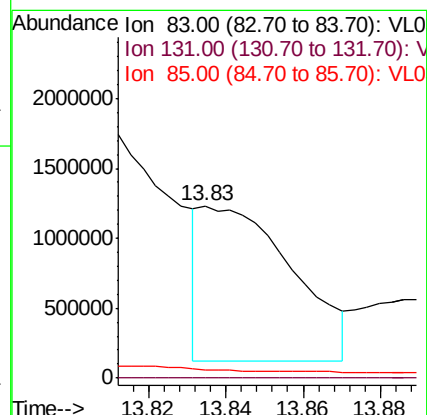
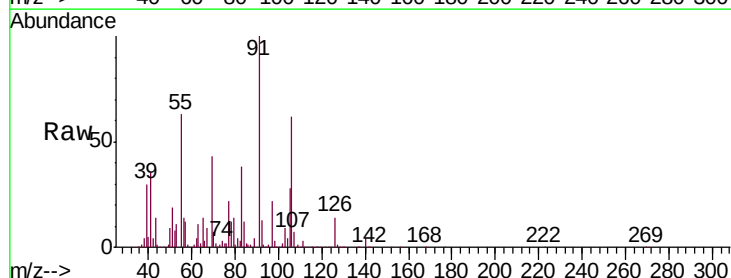
Tgt Ion: 83 Resp: 1805366

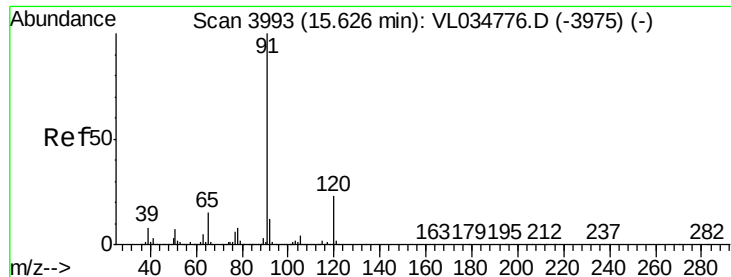
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 16.9 32.9 98.7#





#64

n-propylbenzene

Concen: 12.151 ppbv

RT: 15.66 min Scan# 4005

Delta R.T. 0.04 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

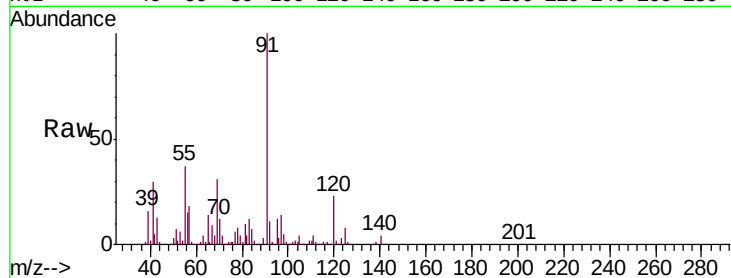
SS-3-4

Tgt Ion:120 Resp: 394745

Ion Ratio Lower Upper

120 100

91 454.5 379.4 569.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

800000

600000

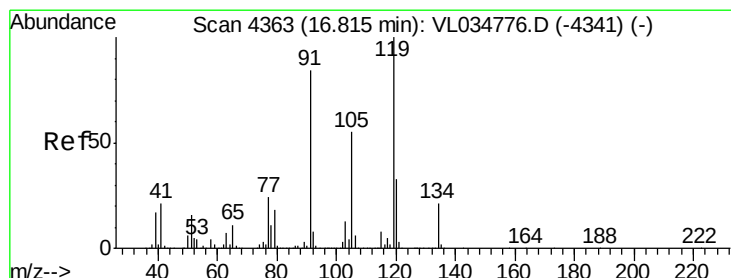
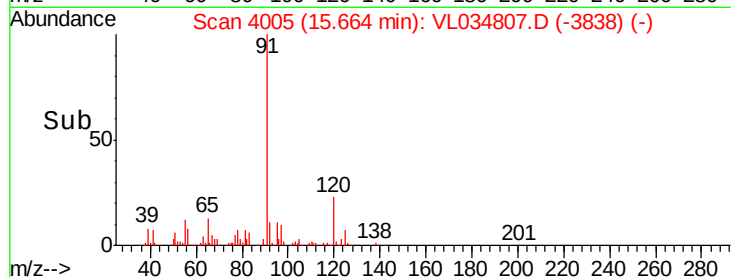
400000

200000

0

15.60 15.70

Time-->



#65

tert-Butylbenzene

Concen: 2.571 ppbv

RT: 16.86 min Scan# 4376

Delta R.T. 0.04 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

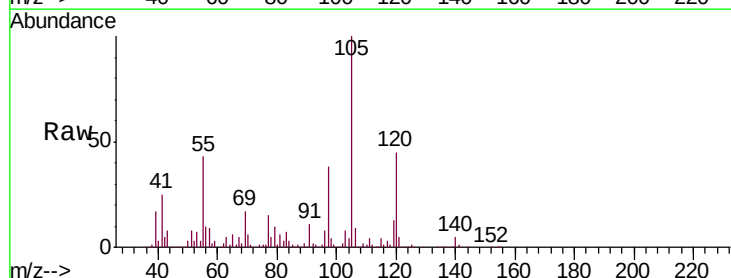
Tgt Ion:119 Resp: 281540

Ion Ratio Lower Upper

119 100

91 94.0 69.8 104.6

134 1.6 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

150000

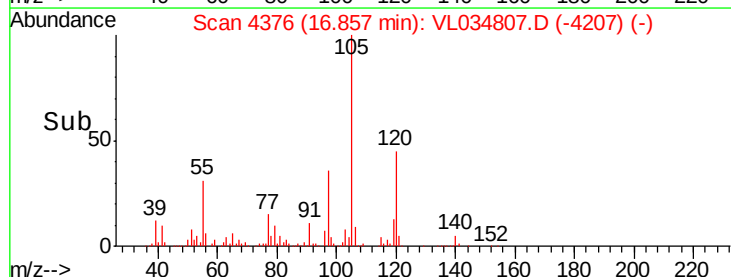
100000

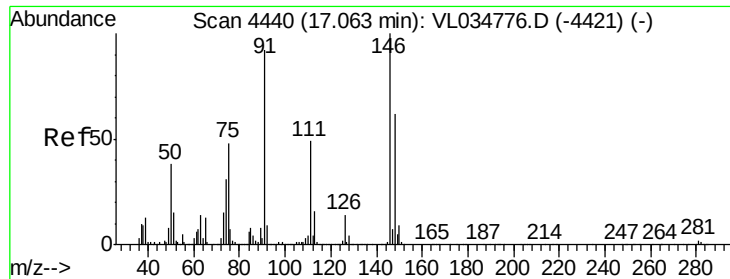
50000

0

16.75 16.80 16.85 16.90

Time-->

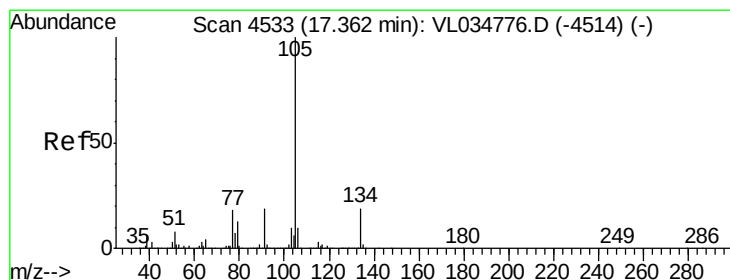
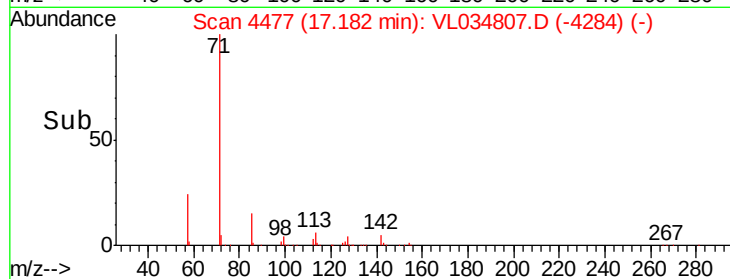
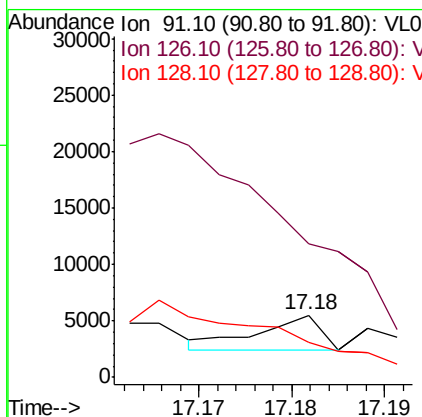
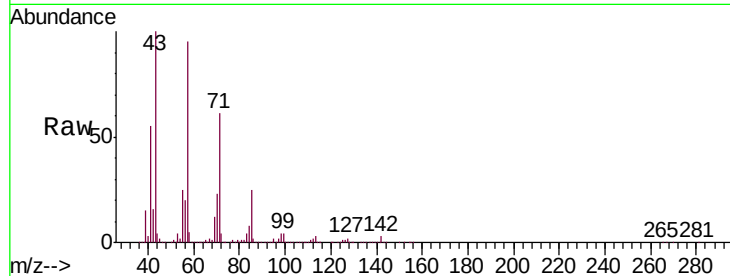




#66
Benzyl Chloride
Concen: 0.041 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. 0.12 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

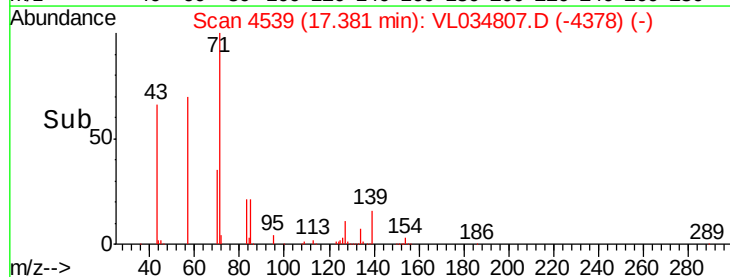
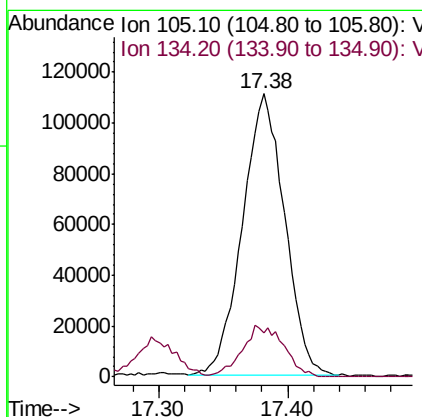
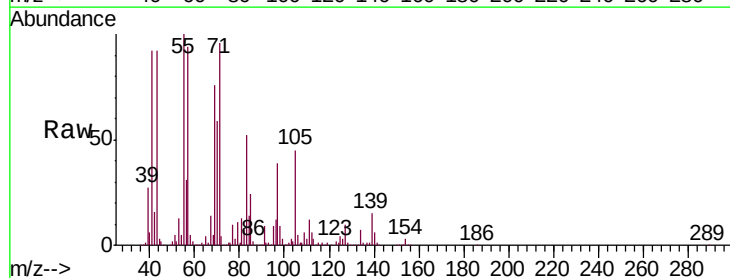
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4

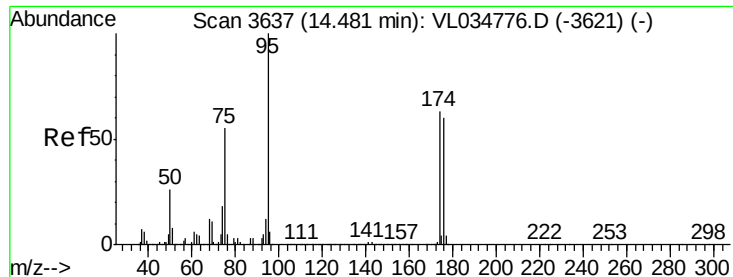
Tgt Ion: 91 Resp: 1449
Ion Ratio Lower Upper
91 100
126 4343.4 12.6 18.8#
128 1054.0 4.3 6.5#



#67
sec-Butylbenzene
Concen: 1.582 ppbv
RT: 17.38 min Scan# 4539
Delta R.T. 0.02 min
Lab File: VL034807.D
Acq: 5 Mar 2020 22:26

Tgt Ion: 105 Resp: 252385
Ion Ratio Lower Upper
105 100
134 18.2 14.7 22.1

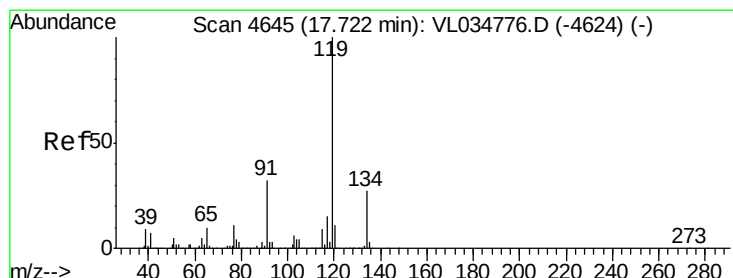
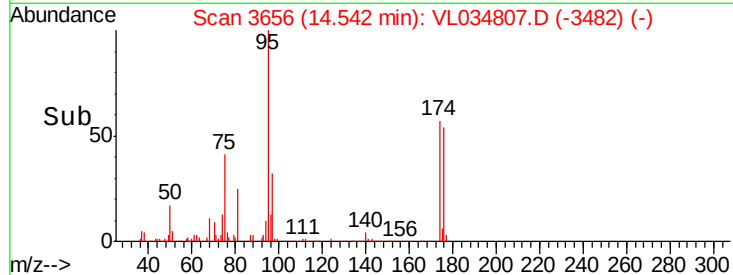
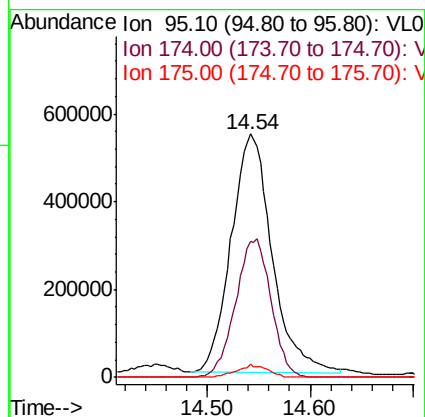
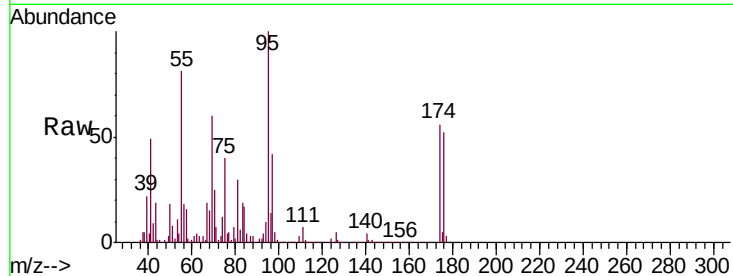




#68
 1-Bromo-4-Fluorobenzene
 Concen: 22.095 ppbv
 RT: 14.54 min Scan# 3656
 Delta R.T. 0.06 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

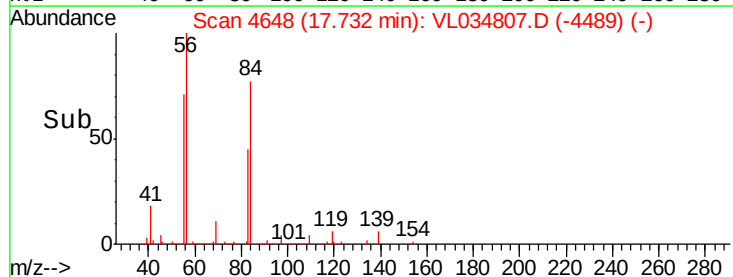
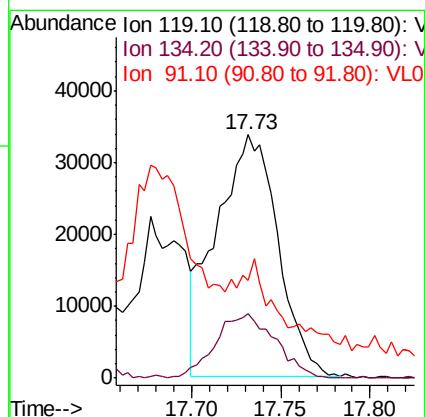
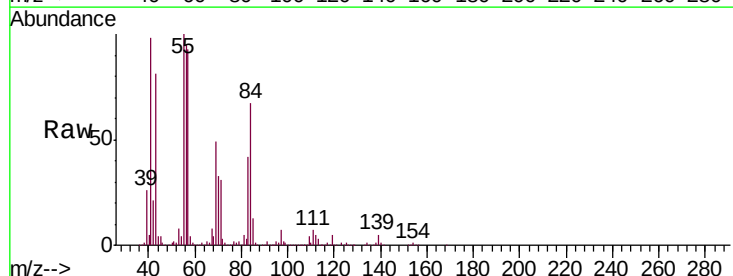
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4

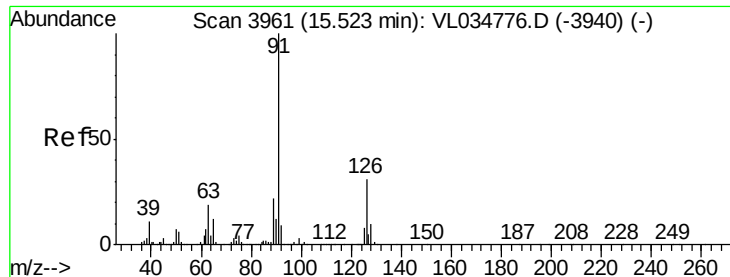
Tgt Ion: 95 Resp: 1502662
 Ion Ratio Lower Upper
 95 100
 174 50.2 50.6 76.0#
 175 4.0 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.627 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 119 Resp: 80955
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 30.8
 91 33.0 25.3 37.9

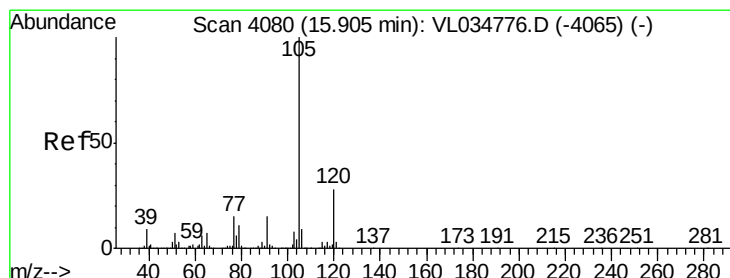
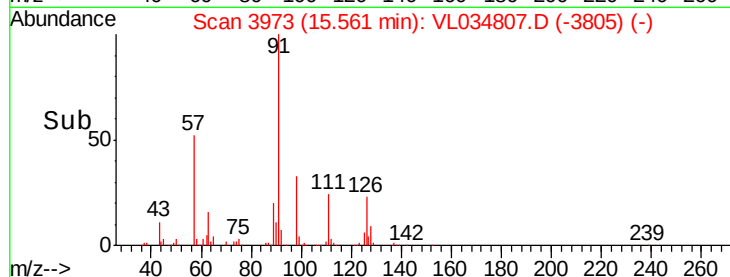
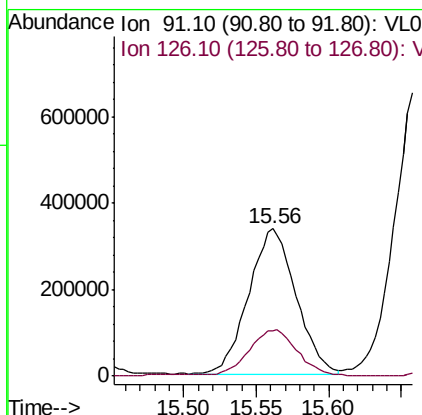
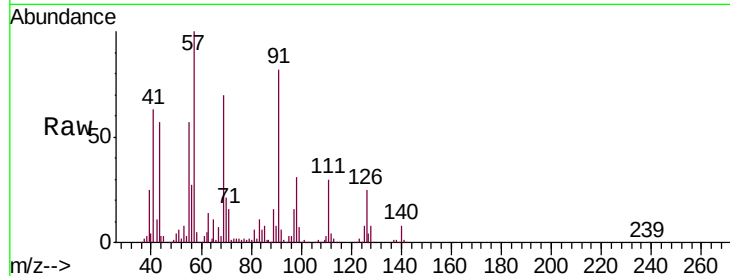




#71
 2-Chlorotoluene
 Concen: 7.868 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.04 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

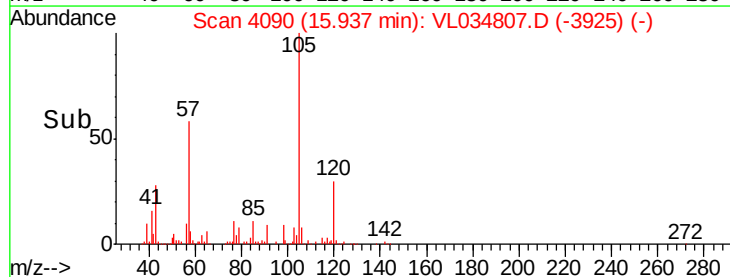
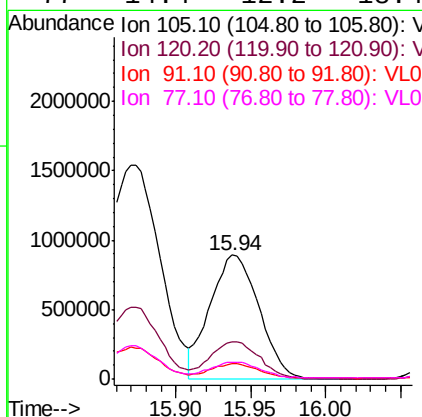
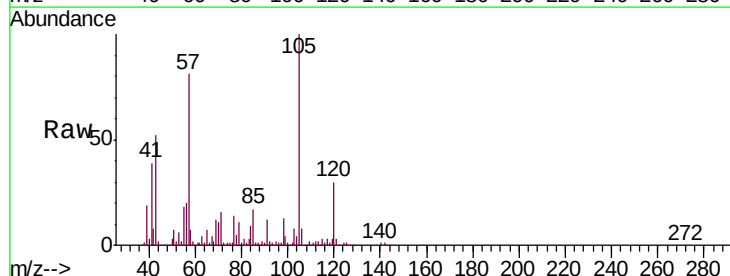
Instrument :
 MSVOA_L
 ClientSampled :
 SS-3-4

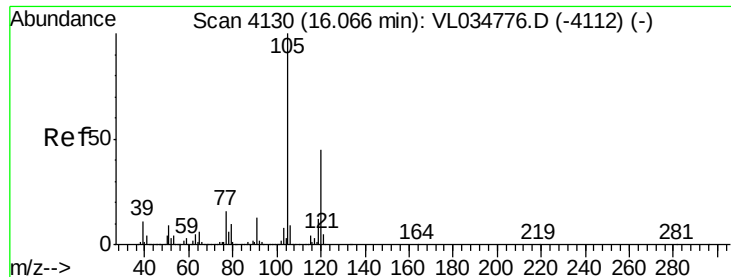
Tgt Ion: 91 Resp: 769970
 Ion Ratio Lower Upper
 91 100
 126 33.3 11.7 46.7



#72
 4-Ethyltoluene
 Concen: 20.746 ppbv
 RT: 15.94 min Scan# 4090
 Delta R.T. 0.03 min
 Lab File: VL034807.D
 Acq: 5 Mar 2020 22:26

Tgt Ion: 105 Resp: 2033389
 Ion Ratio Lower Upper
 105 100
 120 30.6 23.0 34.6
 91 11.6 11.1 16.7
 77 14.4 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 18.993 ppbv

RT: 16.10 min Scan# 4139

Delta R.T. 0.03 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

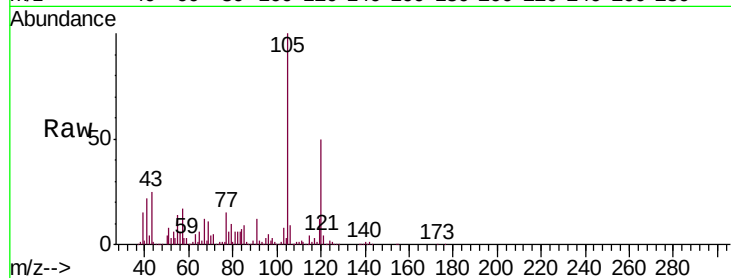
SS-3-4

Tgt Ion:105 Resp: 1785622

Ion Ratio Lower Upper

105 100

120 49.7 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.10

800000

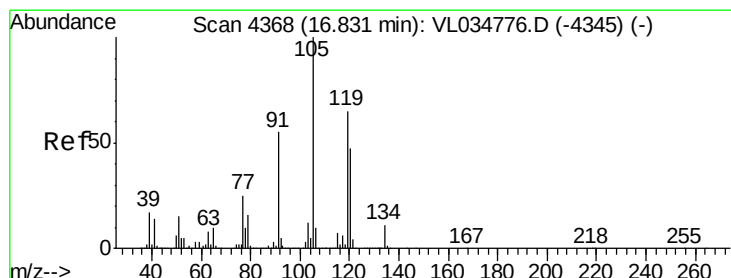
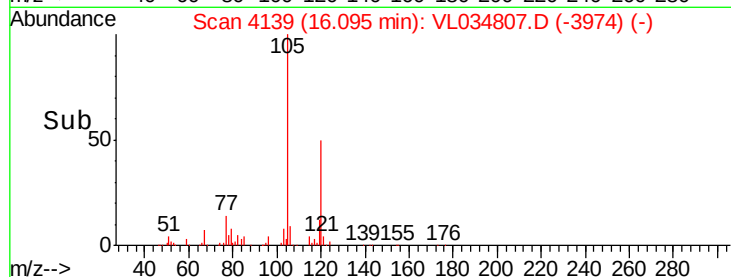
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 21.186 ppbv

RT: 16.86 min Scan# 4376

Delta R.T. 0.03 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Tgt Ion:105 Resp: 2165262

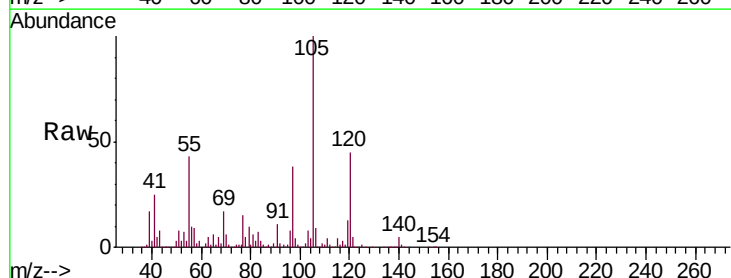
Ion Ratio Lower Upper

105 100

120 45.4 37.8 56.6

91 10.8 43.8 65.8#

77 14.4 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

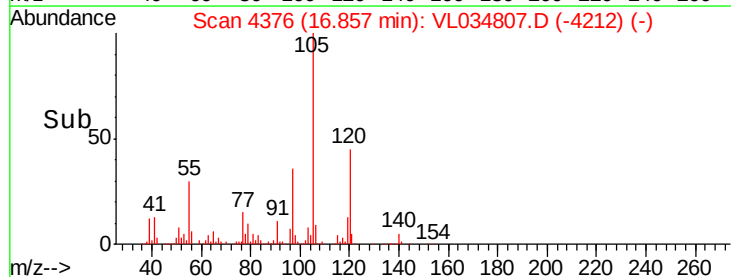
16.86

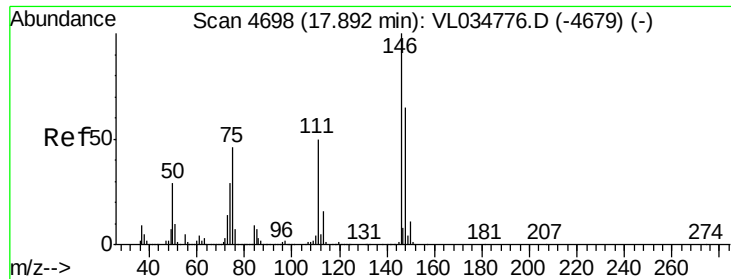
1000000

500000

0

Time-->





#77

1,2-Dichlorobenzene

Concen: 0.037 ppbv

RT: 17.91 min Scan# 4705

Delta R.T. 0.02 min

Lab File: VL034807.D

Acq: 5 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4

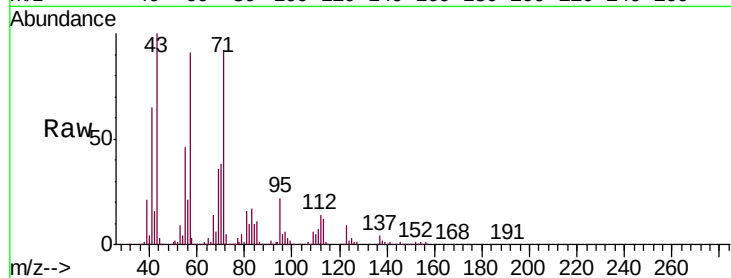
Tgt Ion:146 Resp: 2147

Ion Ratio Lower Upper

146 100

111 6400.9 25.3 75.8#

148 0.0 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

