

Data File : VL034814.D
Acq On : 6 Mar 2020 4:05
Operator : SY/AP
Sample : L1698-08DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL

Quant Time: Mar 06 07:59:37 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	5.66	49	471822	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	1110805	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	1093957	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	867460	9.51	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

Target Compounds

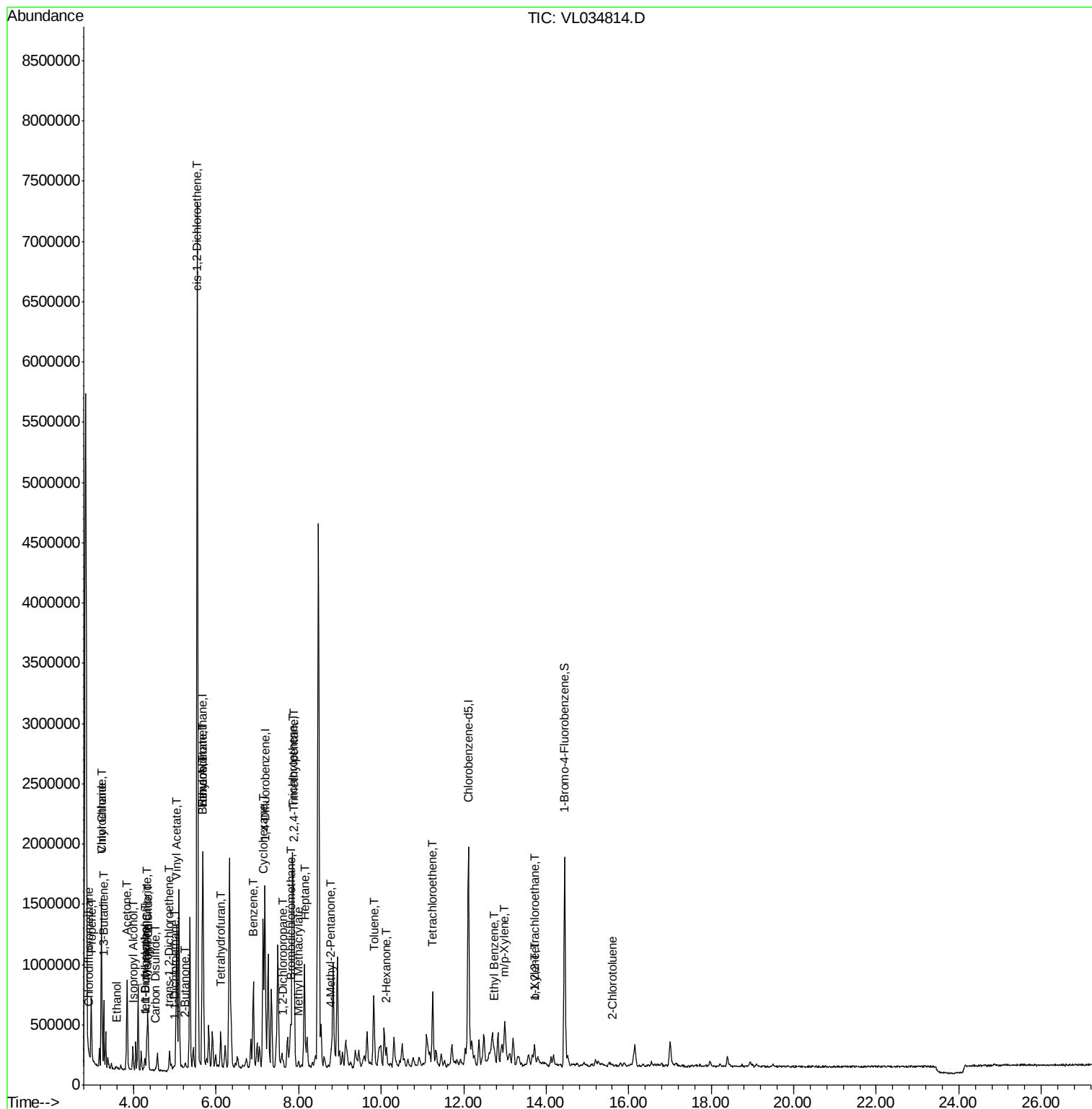
						Qvalue
3) Chlorodifluoromethane	2.92	51	2371	0.044	ppbv #	62
5) Vinyl Chloride	3.22	62	1141037	37.305	ppbv	97
7) Chloroethane	3.22	64	371832	35.158	ppbv #	44
9) Propene	2.97	41	210704	9.958	ppbv	94
10) Heptane	8.14	43	402641	7.488	ppbv	98
13) Ethanol	3.58	45	9949	1.372	ppbv #	38
15) Acetone	3.84	43	505377	8.945	ppbv #	85
16) 1,3-Butadiene	3.27	39	149962	5.866	ppbv #	17
17) tert-Butyl alcohol	4.27	59	1429	0.032	ppbv #	71
18) 1,1-Dichloroethene	4.26	96	19975	0.953	ppbv	92
19) Isopropyl Alcohol	3.97	45	23039	0.681	ppbv #	93
20) Methylene Chloride	4.32	84	99074	4.913	ppbv	96
21) Allyl Chloride	4.35	41	80973	2.263	ppbv #	63
22) trans-1,2-Dichloroethene	4.87	96	41132	2.010	ppbv	96
23) Vinyl Acetate	5.04	43	406286	5.363	ppbv #	1
24) 1,1-Dichloroethane	5.00	63	15475	0.263	ppbv #	94
25) Ethyl Acetate	5.68	43	430652	4.411	ppbv #	77
26) Hexane	5.68	57	612625	14.363	ppbv #	42
27) Carbon Disulfide	4.53	76	18517	0.372	ppbv	94
30) Cyclohexane	7.14	84	435579	13.348	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	4234202	96.785	ppbv	89
34) 2-Butanone	5.25	43	38873	0.538	ppbv	100
36) Benzene	6.90	78	497970	5.246	ppbv	96
38) Trichloroethene	7.85	130	542424	14.662	ppbv	92
39) 1,2-Dichloropropane	7.62	63	9341	0.244	ppbv #	46
41) Tetrahydrofuran	6.11	42	5663	0.154	ppbv #	63
42) Bromodichloromethane	7.81	83	65491	0.798	ppbv #	25
43) Methyl Methacrylate	7.99	69	7806	0.194	ppbv #	1
44) 2,2,4-Trimethylpentane	7.88	57	1013909	6.113	ppbv #	74
50) 4-Methyl-2-Pentanone	8.77	43	9448	0.091	ppbv #	39
51) 2-Hexanone	10.13	43	52756	0.649	ppbv #	30
52) Tetrachloroethene	11.25	164	168284	4.799	ppbv	94
53) Toluene	9.83	91	149455	1.488	ppbv	97
58) Ethyl Benzene	12.74	91	77417	0.574	ppbv	94
59) m/p-Xylene	12.99	91	243290	2.085	ppbv	96
60) o-Xylene	13.72	91	73827	0.625	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.71	83	6538	0.070	ppbv #	36
71) 2-Chlorotoluene	15.59	91	4668	0.036	ppbv	72

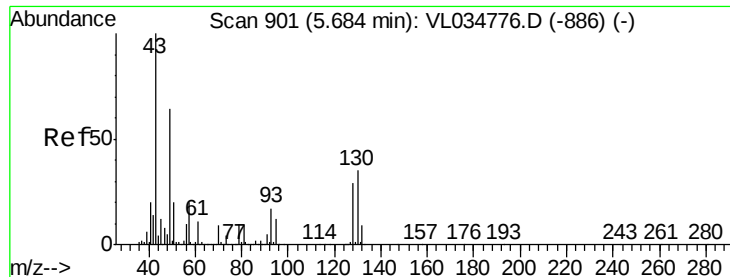
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

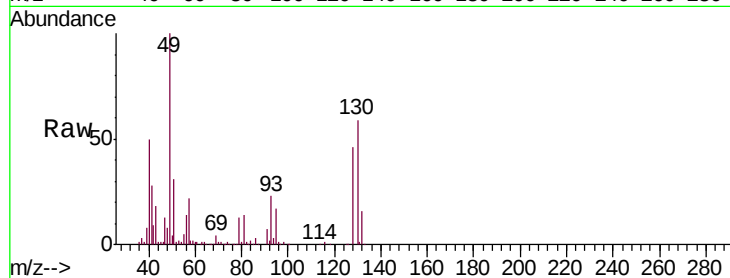
Tgt Ion: 49 Resp: 471822

Ion Ratio Lower Upper

49 100

128 46.8 21.6 64.6

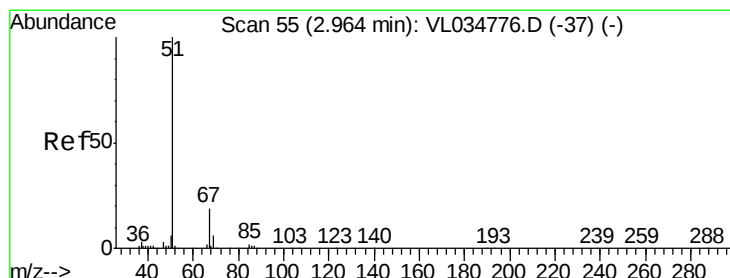
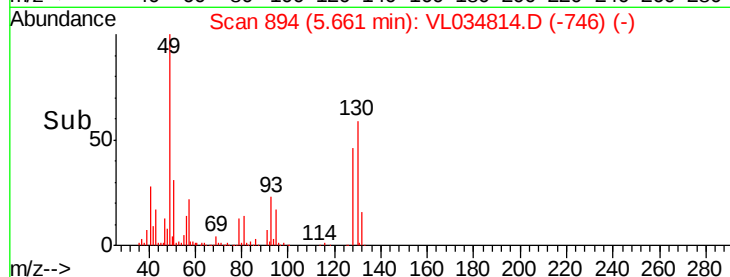
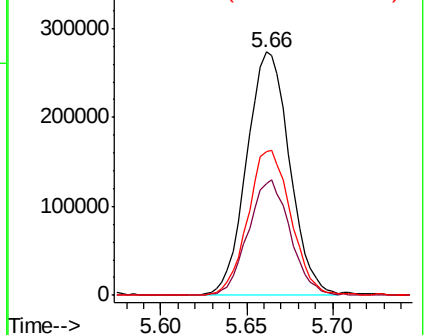
130 59.9 27.4 82.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 2.92 min Scan# 40

Delta R.T. -0.05 min

Lab File: VL034814.D

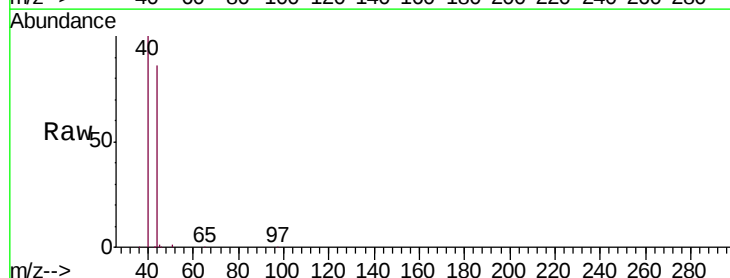
Acq: 6 Mar 2020 4:05

Tgt Ion: 51 Resp: 2371

Ion Ratio Lower Upper

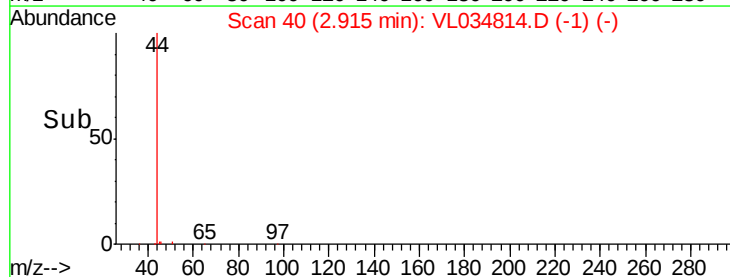
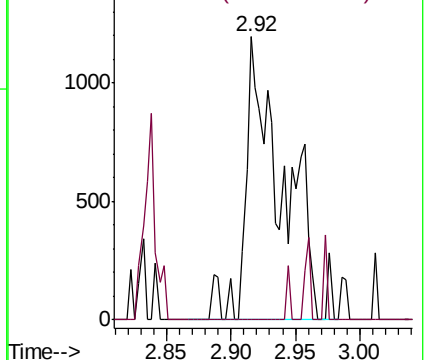
51 100

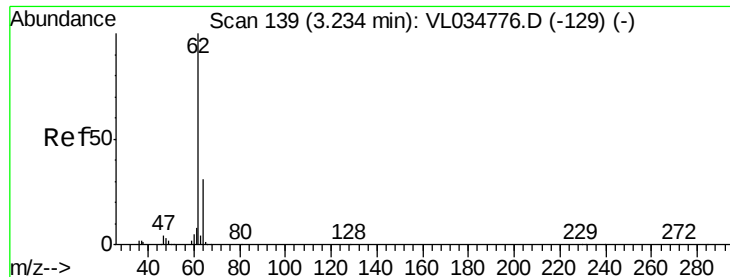
67 1.9 15.3 22.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#5

Vinyl Chloride

Concen: 37.305 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.01 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

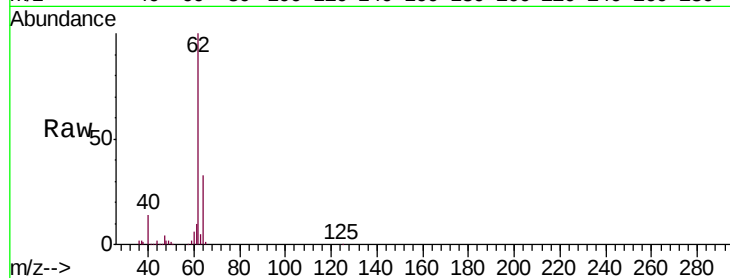
SS-2-4DL

Tgt Ion: 62 Resp: 1141037

Ion Ratio Lower Upper

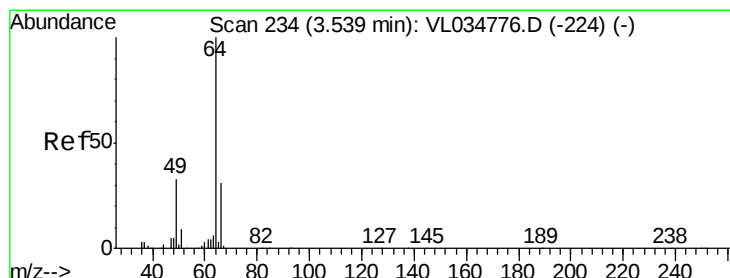
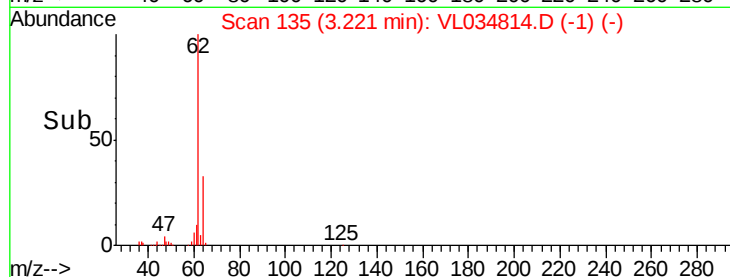
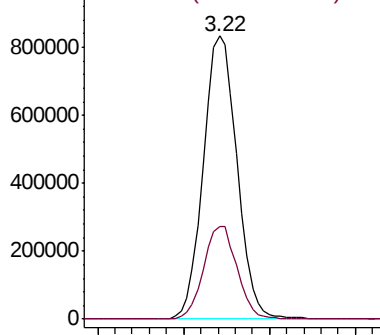
62 100

64 32.9 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 35.158 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.32 min

Lab File: VL034814.D

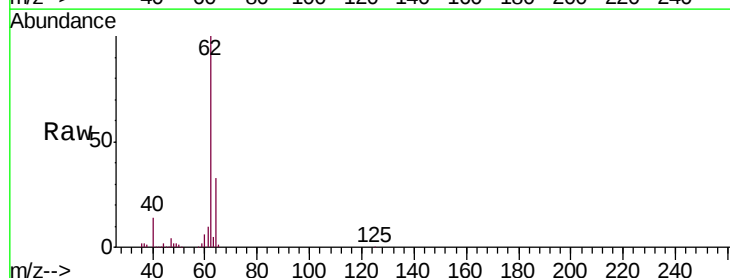
Acq: 6 Mar 2020 4:05

Tgt Ion: 64 Resp: 371832

Ion Ratio Lower Upper

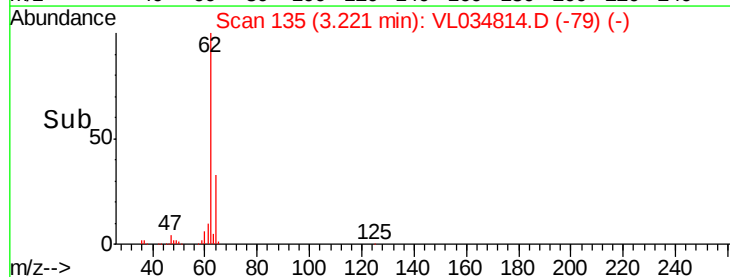
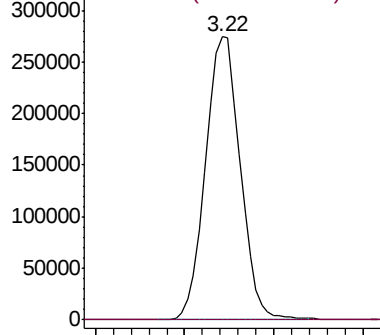
64 100

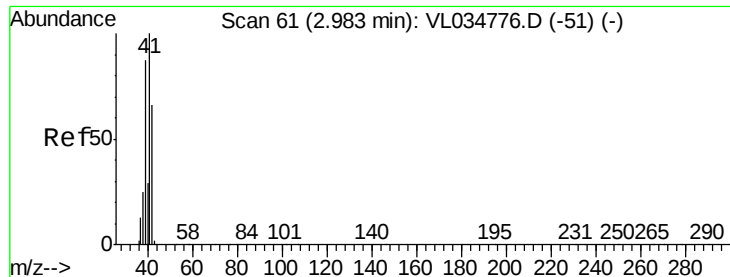
66 0.0 24.8 37.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 9.958 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

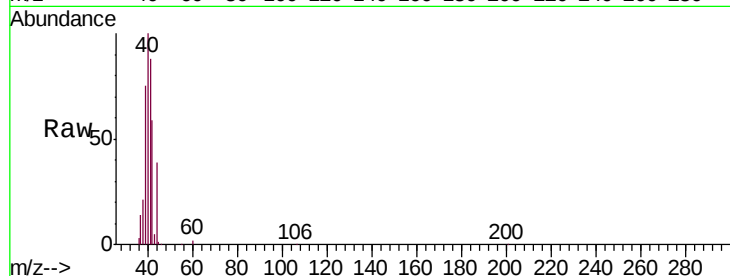
SS-2-4DL

Tgt Ion: 41 Resp: 210704

Ion Ratio Lower Upper

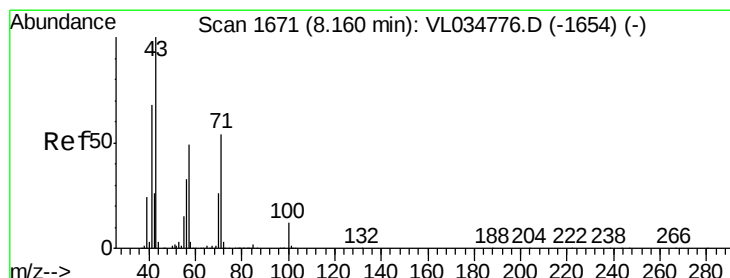
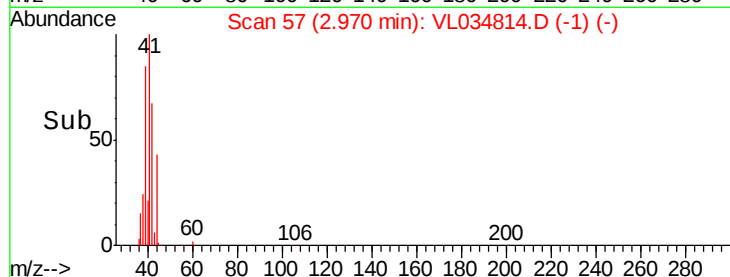
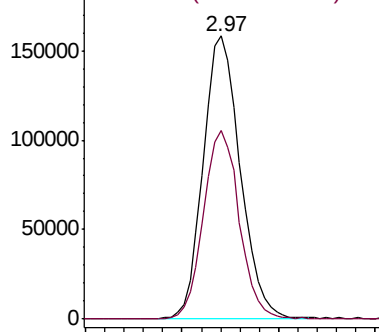
41 100

42 64.9 55.6 83.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 7.488 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.02 min

Lab File: VL034814.D

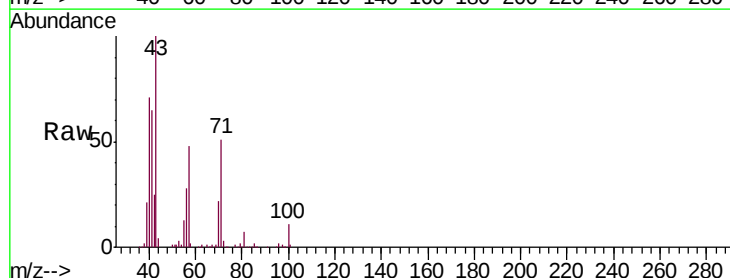
Acq: 6 Mar 2020 4:05

Tgt Ion: 43 Resp: 402641

Ion Ratio Lower Upper

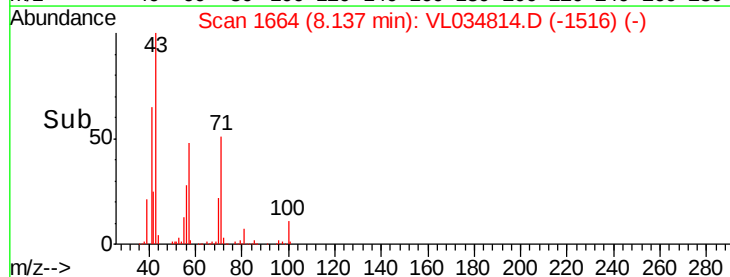
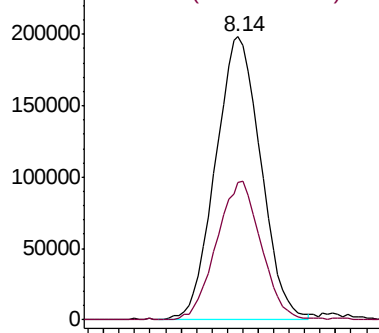
43 100

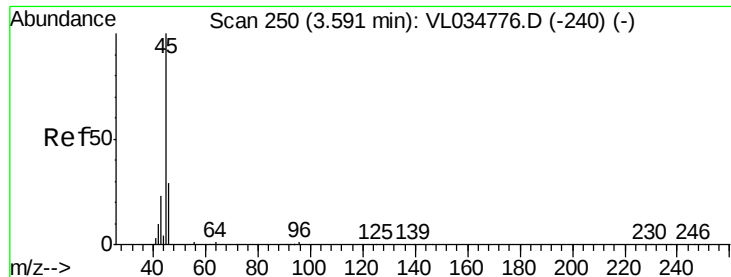
57 49.2 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#13

Ethanol

Concen: 1.372 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.01 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

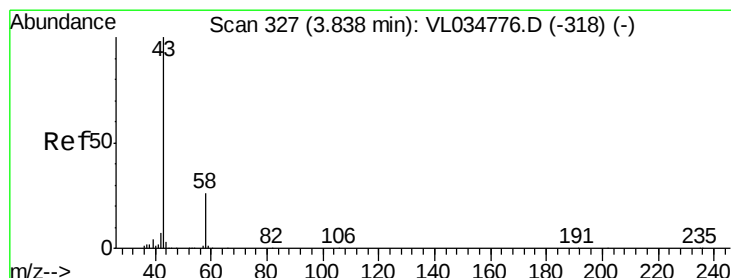
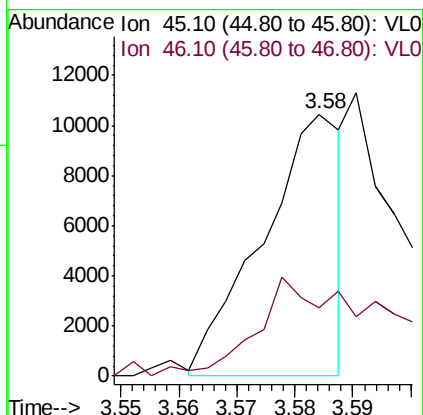
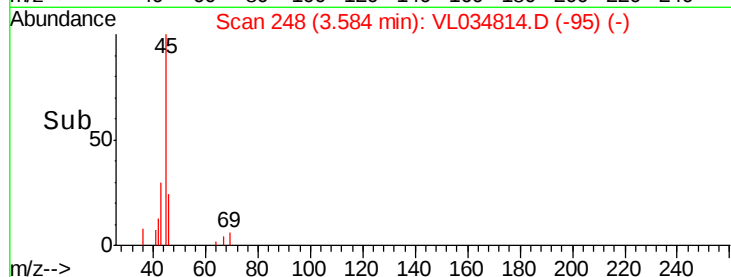
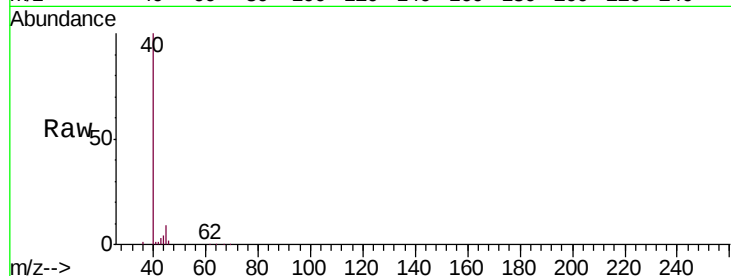
SS-2-4DL

Tgt Ion: 45 Resp: 9949

Ion Ratio Lower Upper

45 100

46 73.8 14.7 58.9#



#15

Acetone

Concen: 8.945 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL034814.D

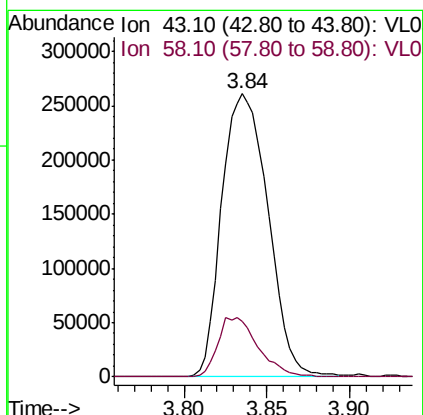
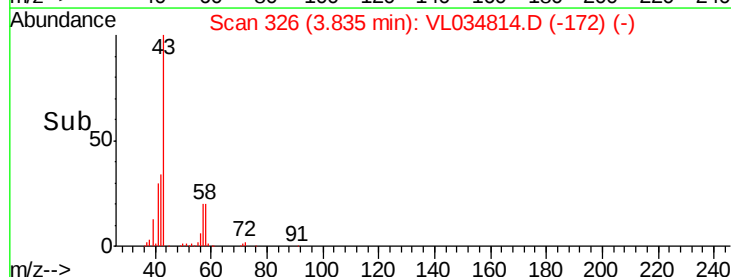
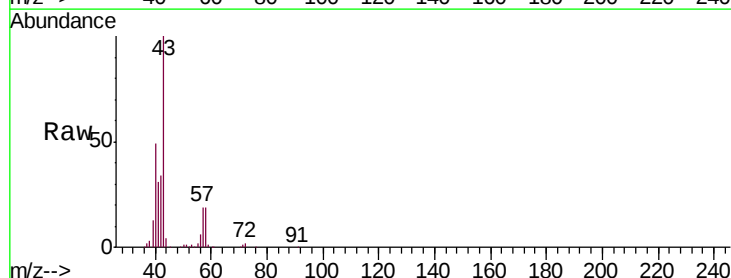
Acq: 6 Mar 2020 4:05

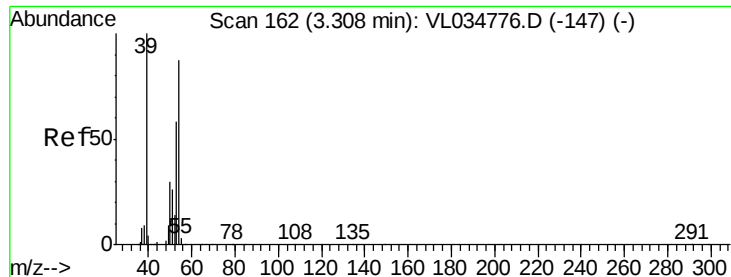
Tgt Ion: 43 Resp: 505377

Ion Ratio Lower Upper

43 100

58 18.5 21.0 31.6#

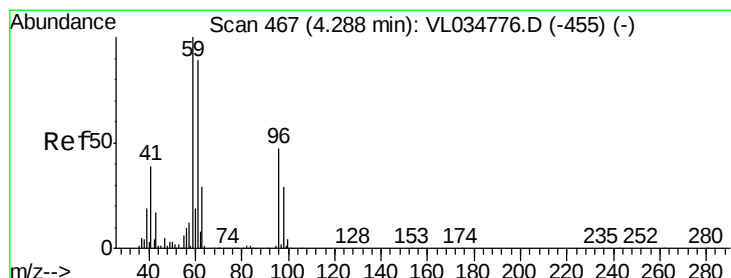
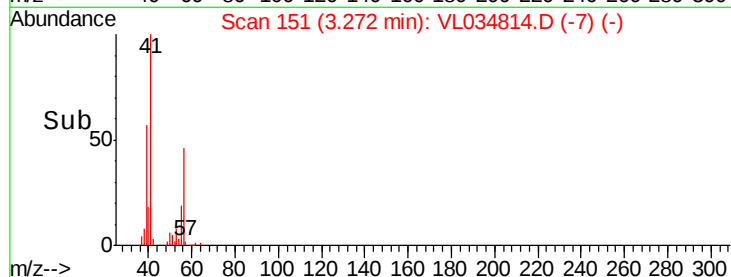
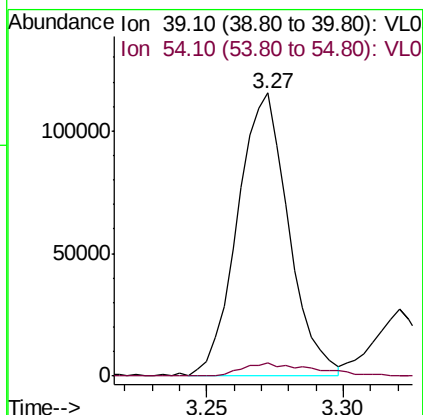
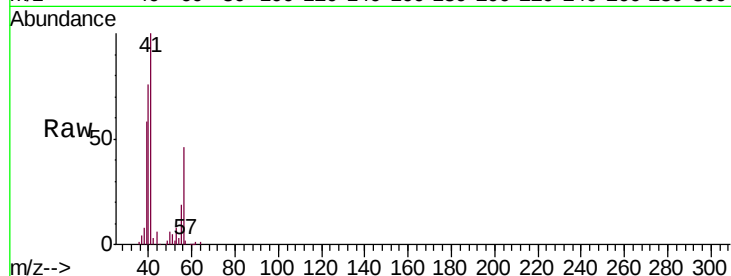




#16
 1,3-Butadiene
 Concen: 5.866 ppbv
 RT: 3.27 min Scan# 151
 Delta R.T. -0.04 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

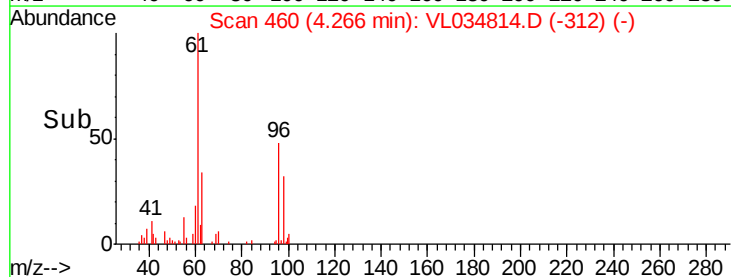
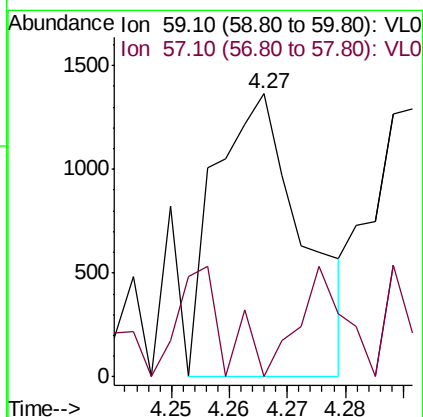
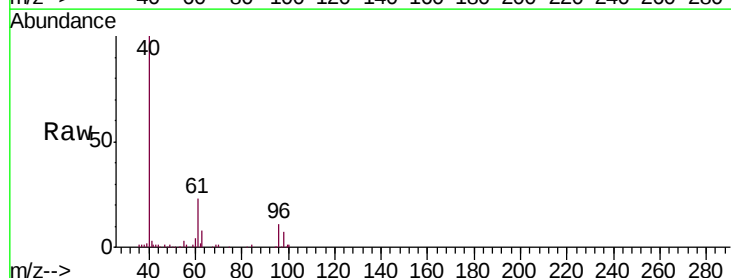
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL

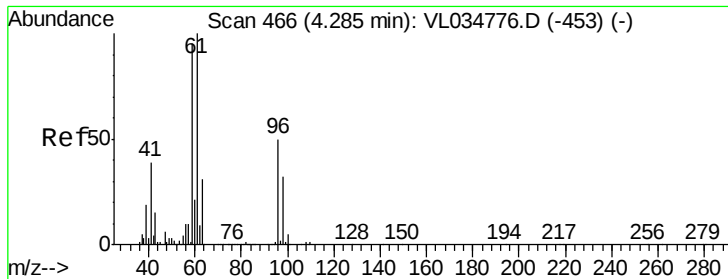
Tgt Ion: 39 Resp: 149962
 Ion Ratio Lower Upper
 39 100
 54 6.7 64.2 96.2#



#17
 tert-Butyl alcohol
 Concen: 0.032 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Tgt Ion: 59 Resp: 1429
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

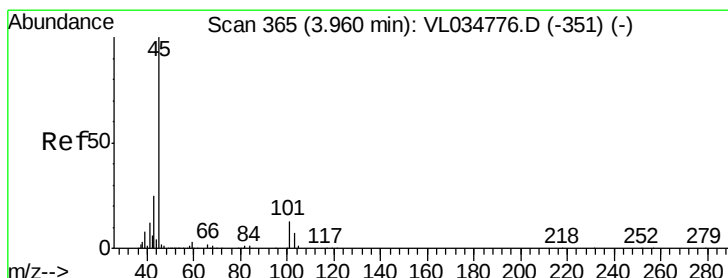
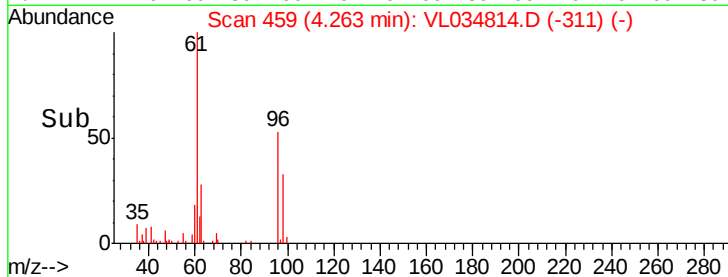
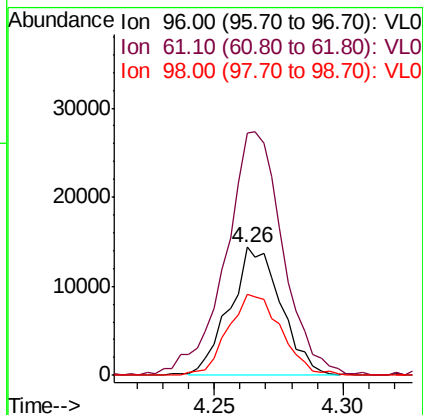
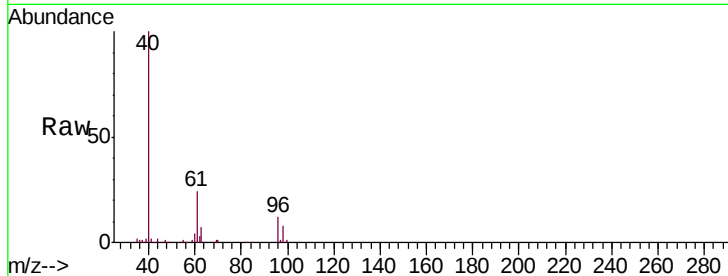




#18
 1,1-Dichloroethene
 Concen: 0.953 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

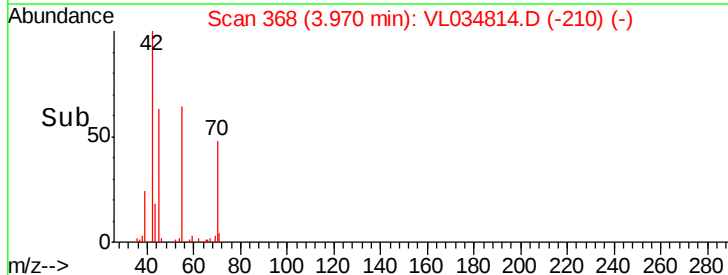
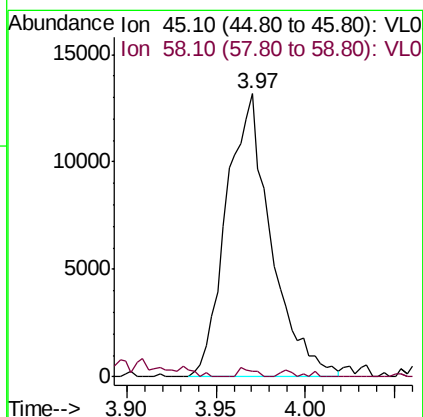
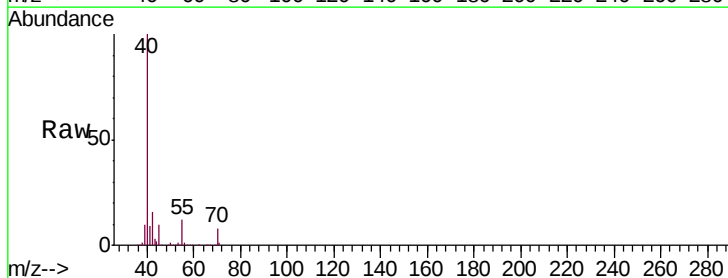
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL

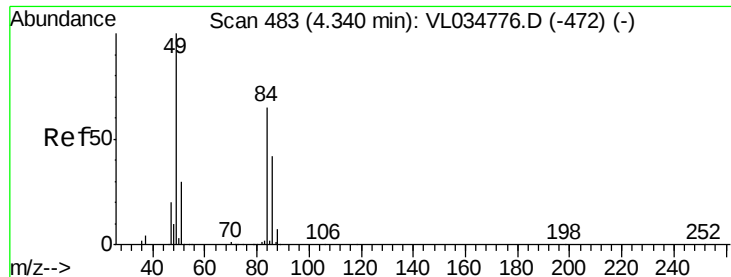
Tgt Ion: 96 Resp: 19975
 Ion Ratio Lower Upper
 96 100
 61 184.5 159.5 239.3
 98 62.2 51.1 76.7



#19
 Isopropyl Alcohol
 Concen: 0.681 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Tgt Ion: 45 Resp: 23039
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.8#

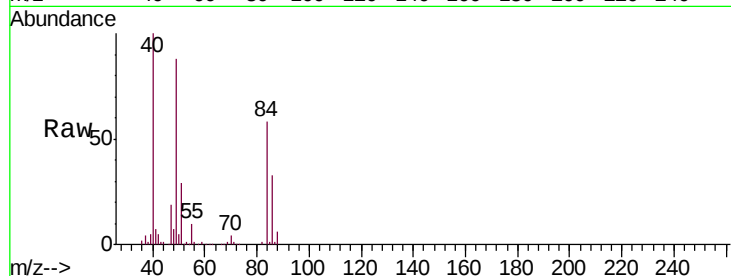




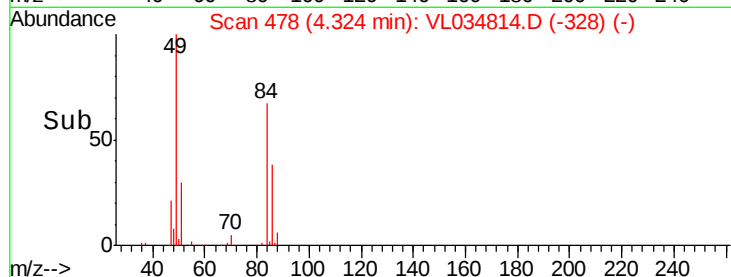
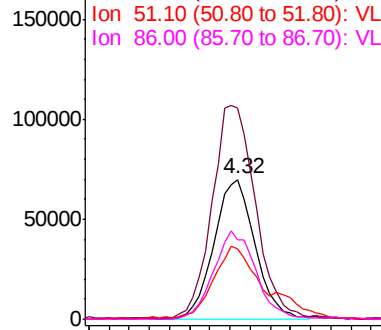
#20
Methylene Chloride
Concen: 4.913 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL

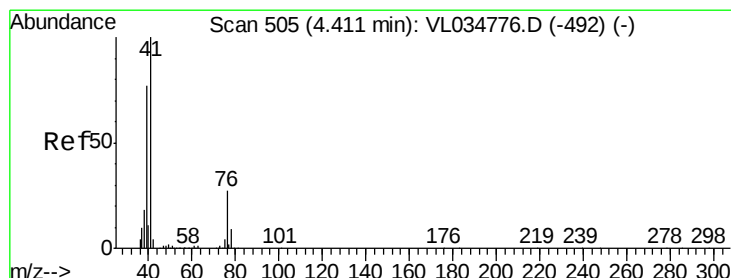
Tgt Ion: 84 Resp: 99074
Ion Ratio Lower Upper
84 100
49 151.4 123.2 184.8
51 49.2 37.4 56.2
86 57.3 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

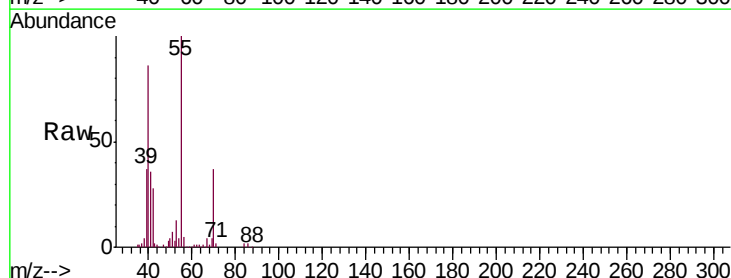


Time-->

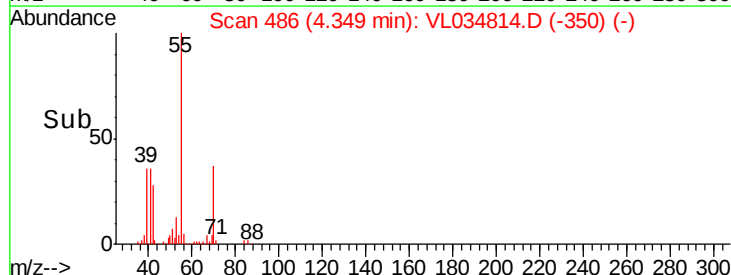
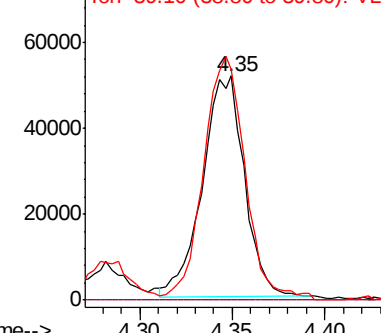


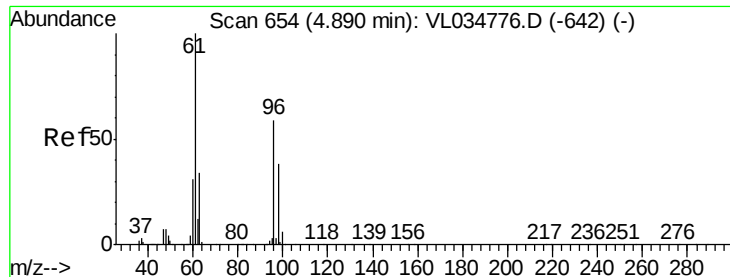
#21
Allyl Chloride
Concen: 2.263 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.06 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

Tgt Ion: 41 Resp: 80973
Ion Ratio Lower Upper
41 100
76 0.0 22.5 33.7#
39 109.8 65.0 97.6#



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





#22

trans-1,2-Dichloroethene

Concen: 2.010 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

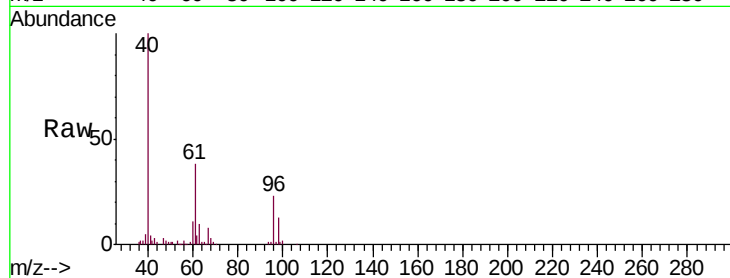
Tgt Ion: 96 Resp: 41132

Ion Ratio Lower Upper

96 100

61 165.0 135.2 202.8

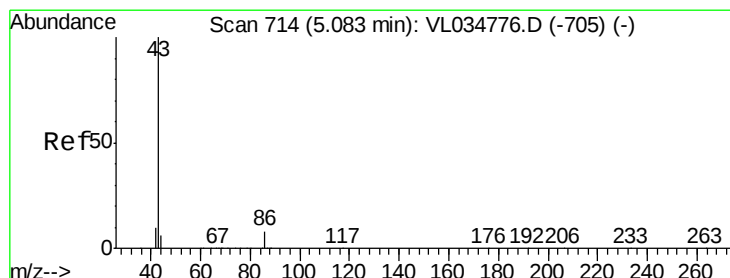
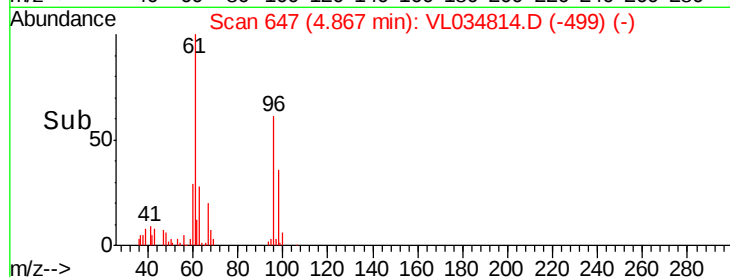
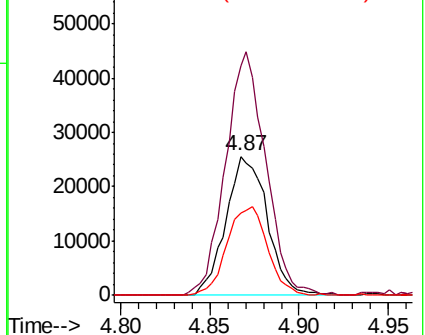
98 59.1 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 5.363 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.04 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Tgt Ion: 43 Resp: 406286

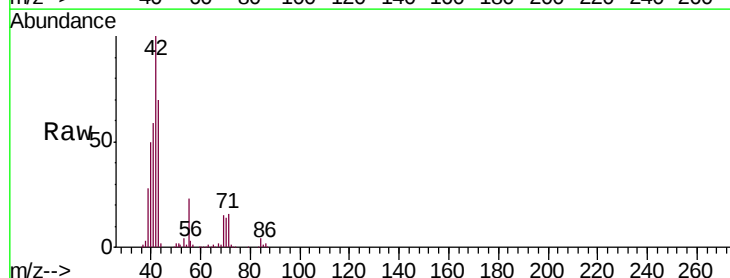
Ion Ratio Lower Upper

43 100

86 2.9 5.9 8.9#

42 142.7 8.2 12.2#

44 2.6 4.5 6.7#

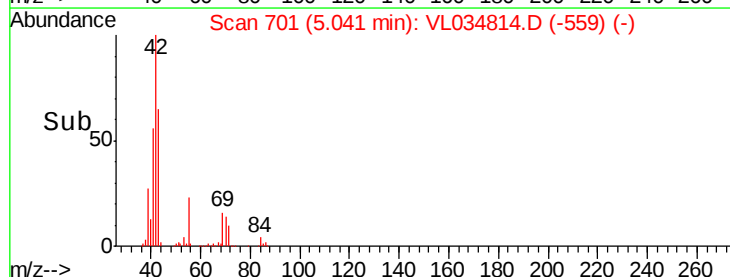
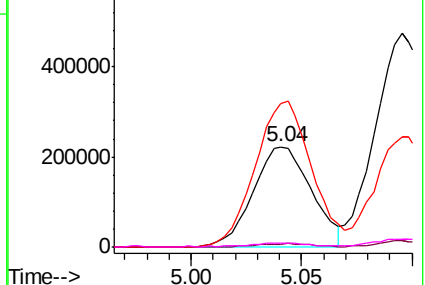


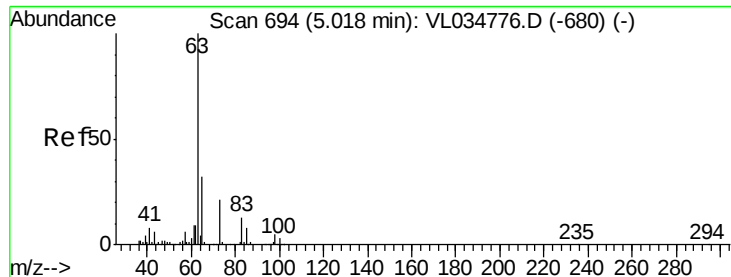
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.263 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

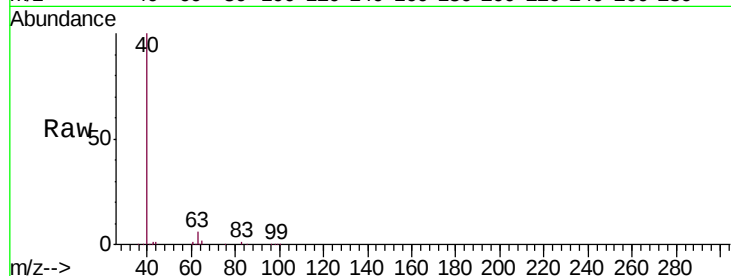
Tgt Ion: 63 Resp: 15475

Ion Ratio Lower Upper

63 100

98 2.6 2.3 6.8

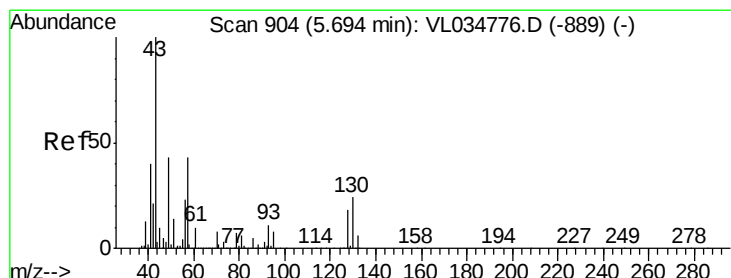
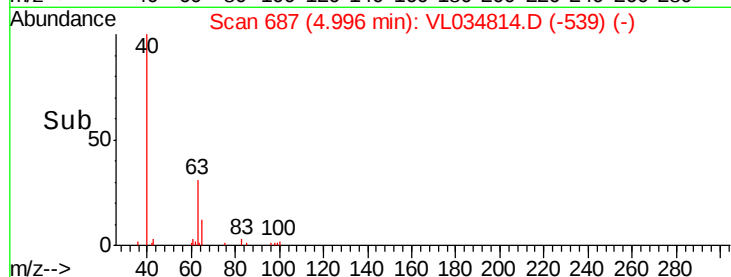
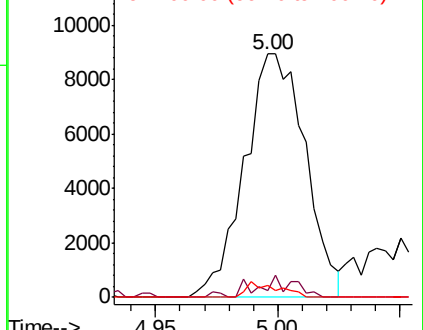
100 5.1 1.5 4.4#



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: 4.411 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Tgt Ion: 43 Resp: 430652

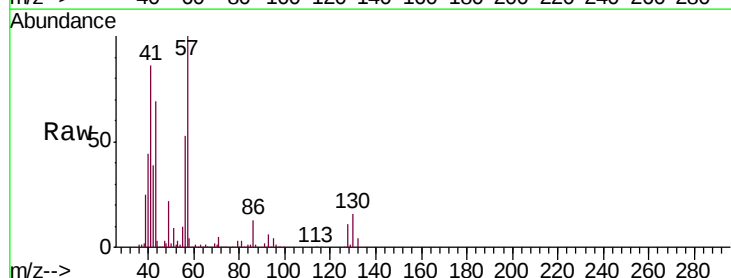
Ion Ratio Lower Upper

43 100

45 1.1 8.2 12.4#

61 0.0 7.5 11.3#

70 2.0 6.0 9.0#

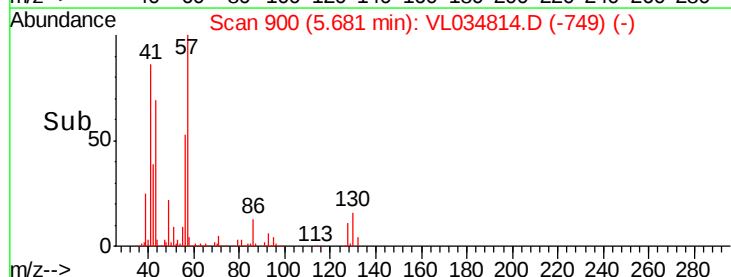
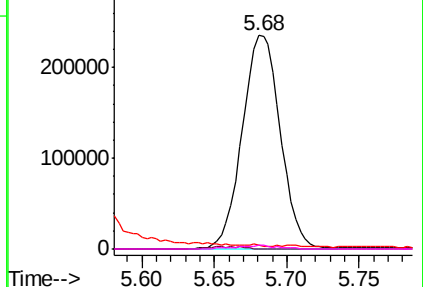


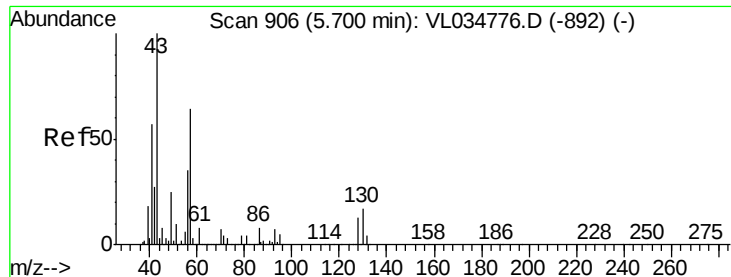
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 14.363 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

Tgt Ion: 57 Resp: 612625

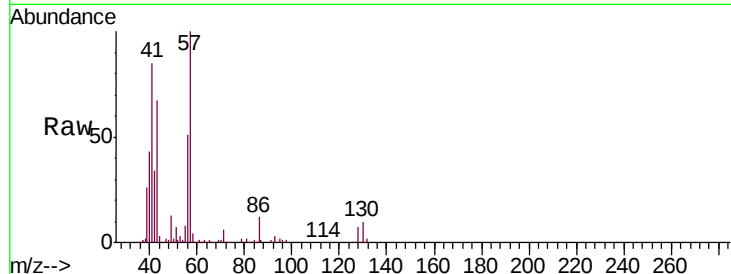
Ion Ratio Lower Upper

57 100

41 93.1 72.0 108.0

43 70.4 179.1 268.7#

56 53.6 42.6 63.8

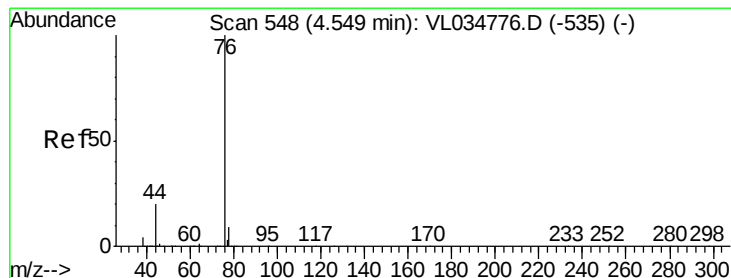
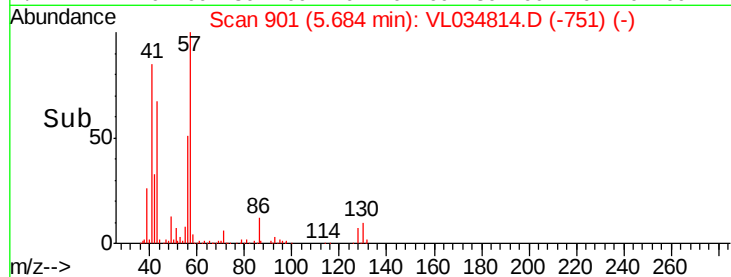
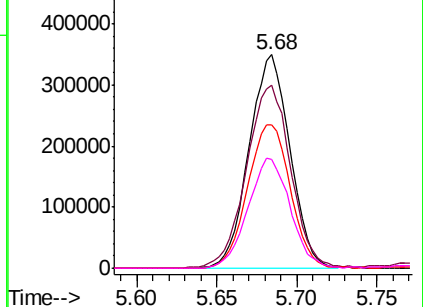


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.372 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

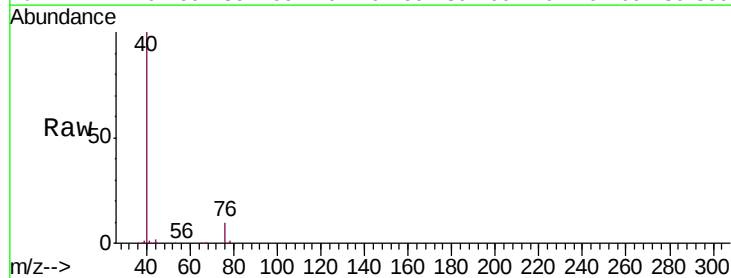
Tgt Ion: 76 Resp: 18517

Ion Ratio Lower Upper

76 100

44 23.5 16.1 24.1

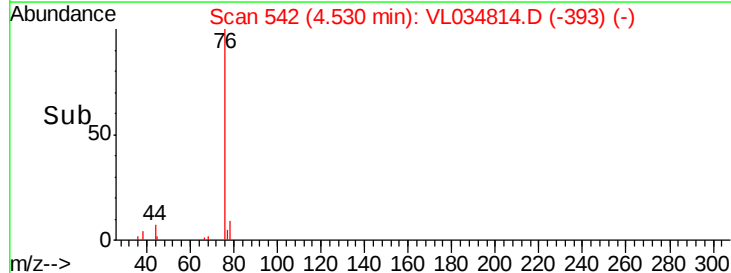
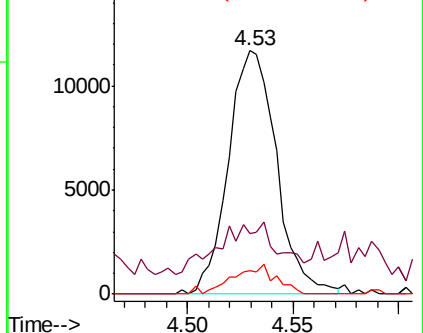
78 10.8 7.5 11.3

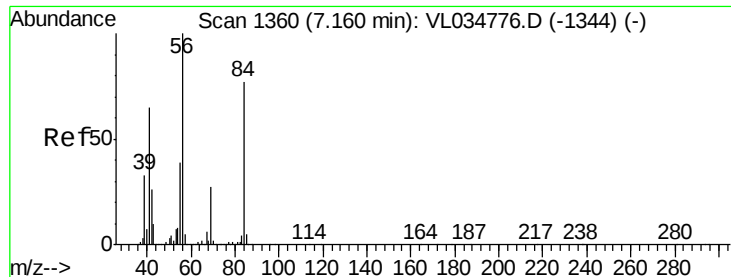


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

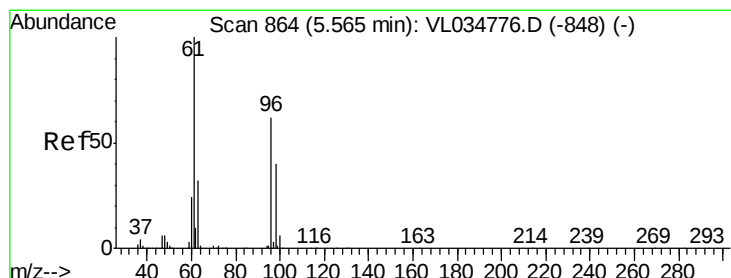
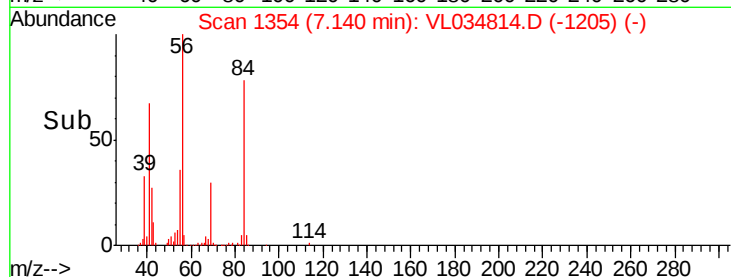
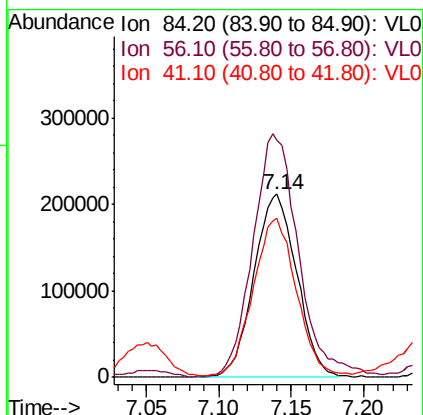
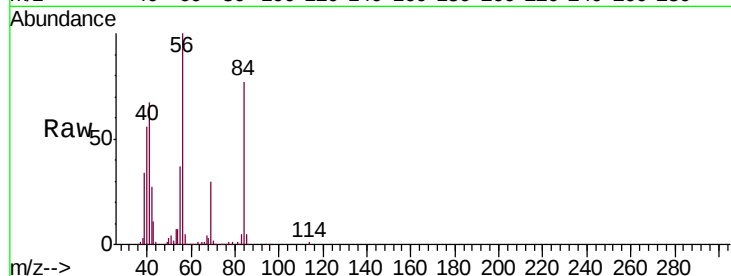




#30
Cyclohexane
Concen: 13.348 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

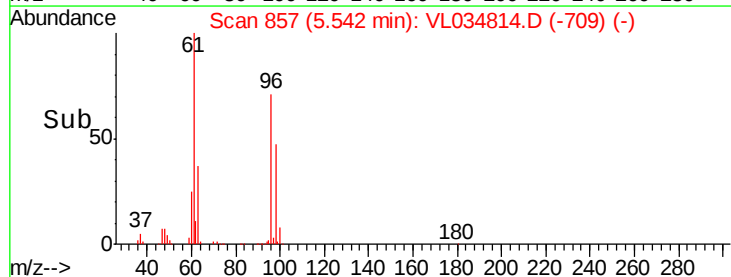
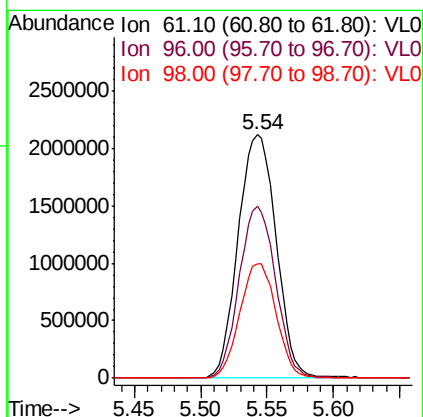
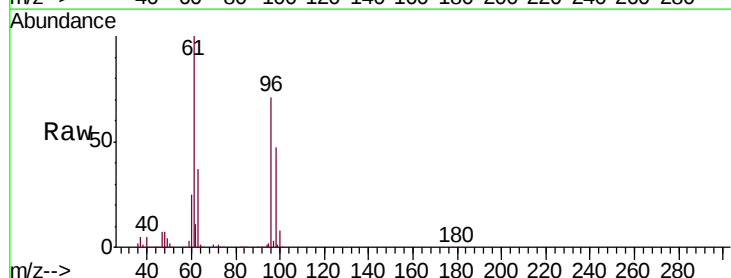
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL

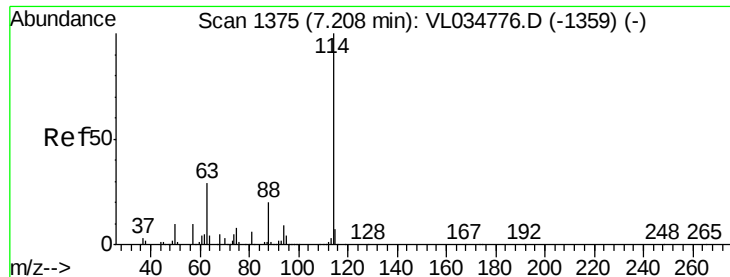
Tgt Ion: 84 Resp: 435579
Ion Ratio Lower Upper
84 100
56 140.8 113.2 169.8
41 86.5 70.2 105.4



#31
cis-1,2-Dichloroethene
Concen: 96.785 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.02 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

Tgt Ion: 61 Resp: 4234202
Ion Ratio Lower Upper
61 100
96 70.6 49.7 74.5
98 47.2 31.9 47.9

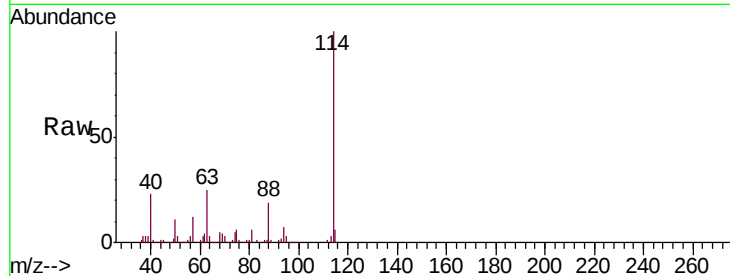




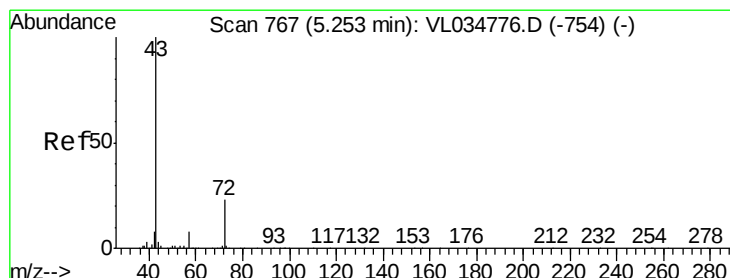
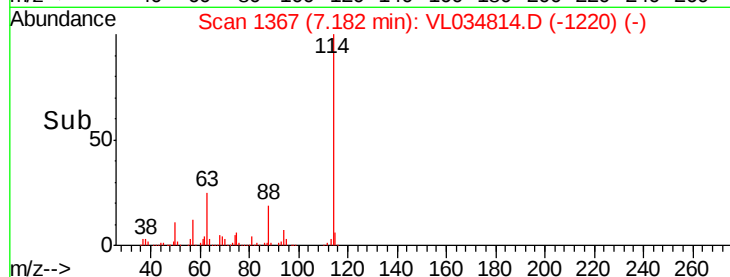
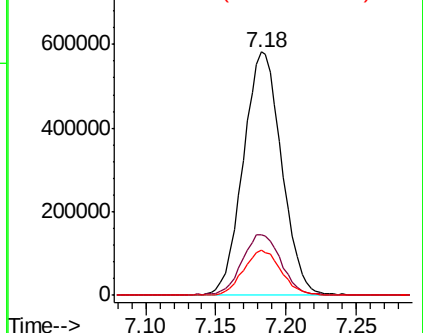
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.03 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL

Tgt Ion:114 Resp: 1110805
 Ion Ratio Lower Upper
 114 100
 63 25.8 23.6 35.4
 88 18.1 15.8 23.8

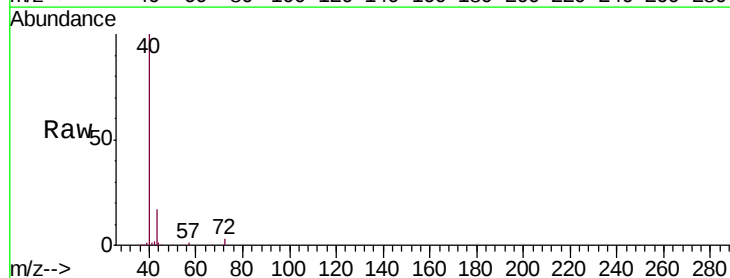


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

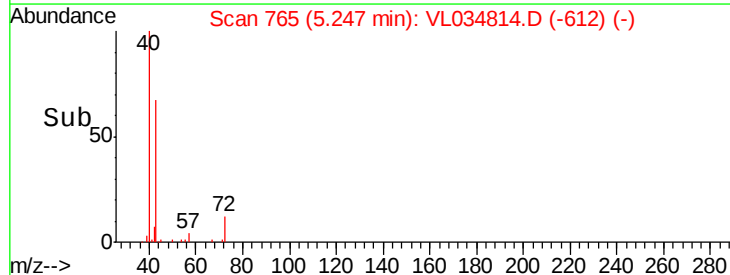
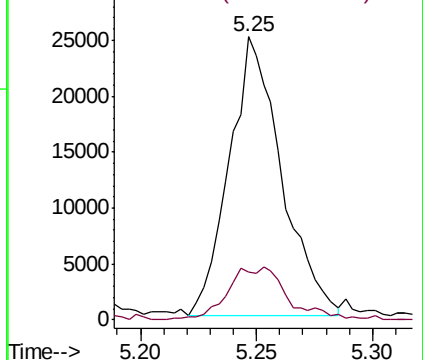


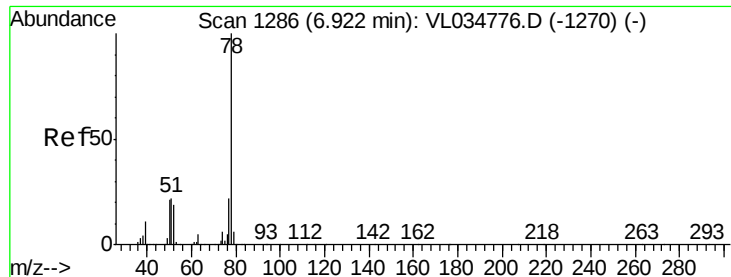
#34
 2-Butanone
 Concen: 0.538 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Tgt Ion: 43 Resp: 38873
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.5 26.3



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





#36

Benzene

Concen: 5.246 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

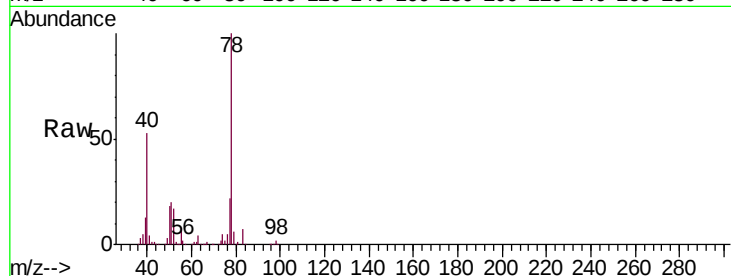
Tgt Ion: 78 Resp: 497970

Ion Ratio Lower Upper

78 100

77 22.3 18.0 27.0

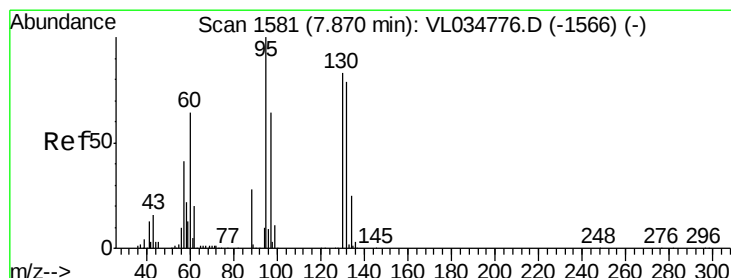
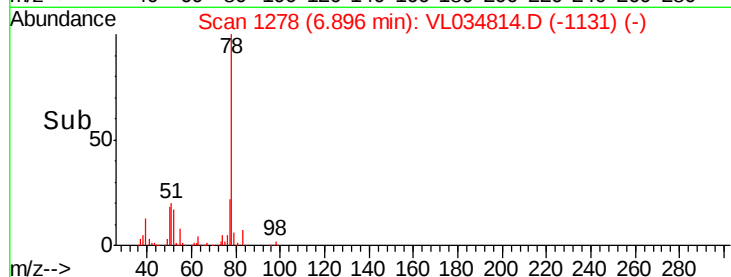
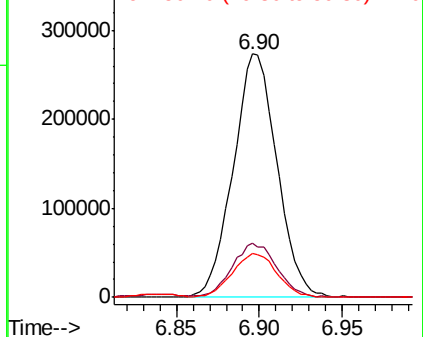
50 17.8 16.9 25.3



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 14.662 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Tgt Ion: 130 Resp: 542424

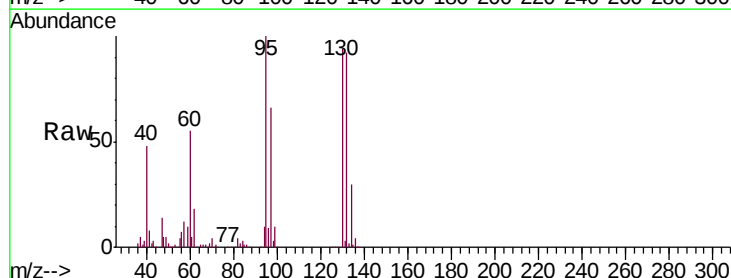
Ion Ratio Lower Upper

130 100

95 105.9 95.8 143.8

132 97.8 76.1 114.1

97 70.3 61.1 91.7

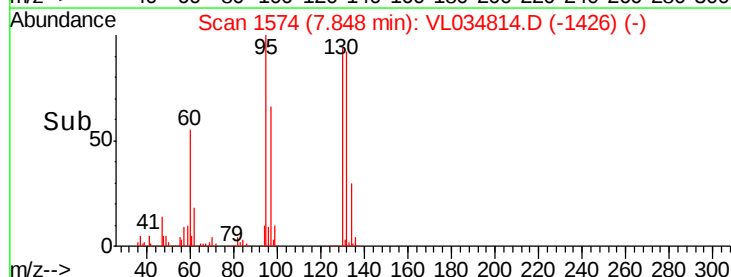
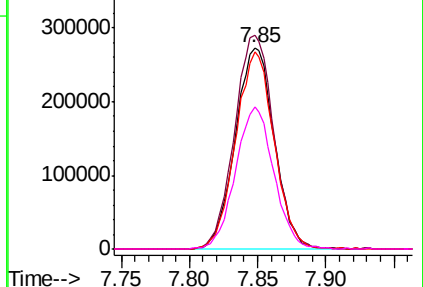


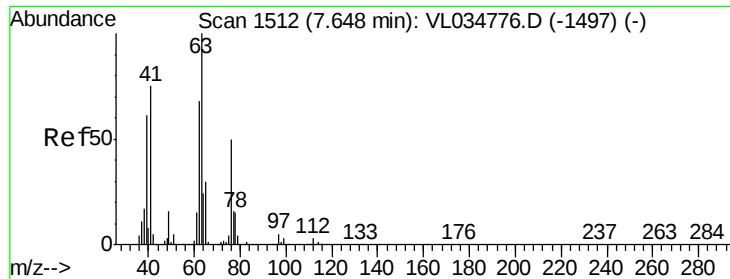
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 0.244 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.03 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

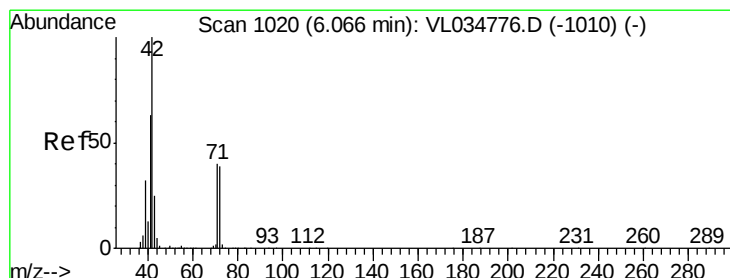
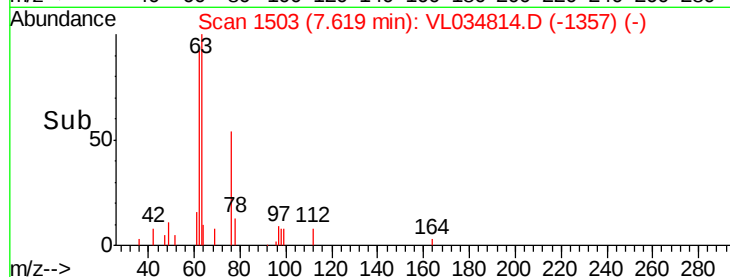
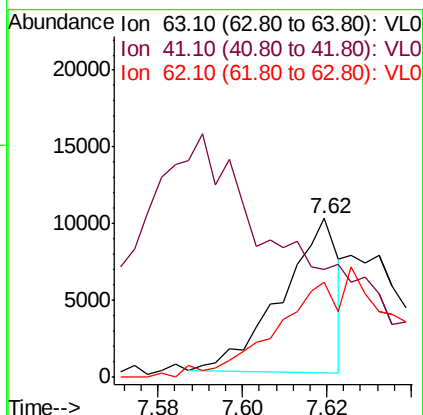
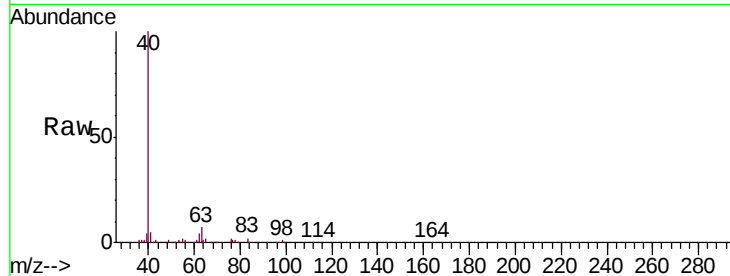
Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

Tgt Ion:	63	Resp:	9341
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.3	90.5#
62	54.7	54.5	81.7



#41

Tetrahydrofuran

Concen: 0.154 ppbv

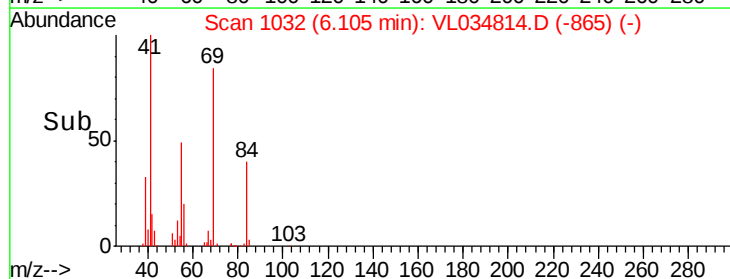
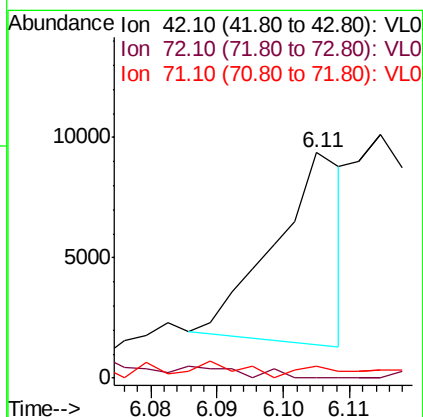
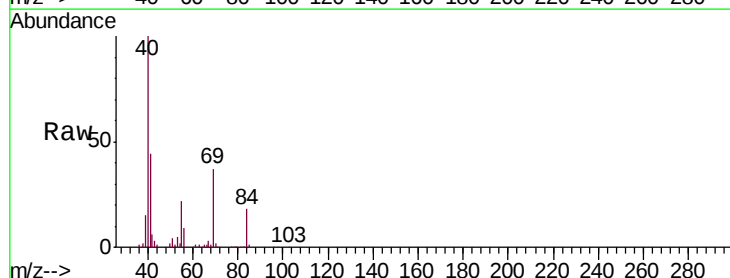
RT: 6.11 min Scan# 1032

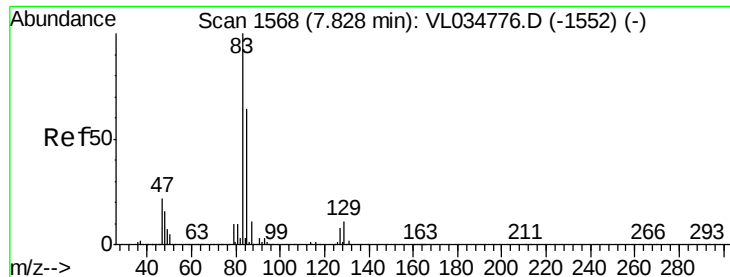
Delta R.T. 0.04 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Tgt Ion:	42	Resp:	5663
Ion	Ratio	Lower	Upper
42	100		
72	14.3	32.0	48.0#
71	19.2	31.3	46.9#





#42

Bromodichloromethane

Concen: 0.798 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.02 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4DL

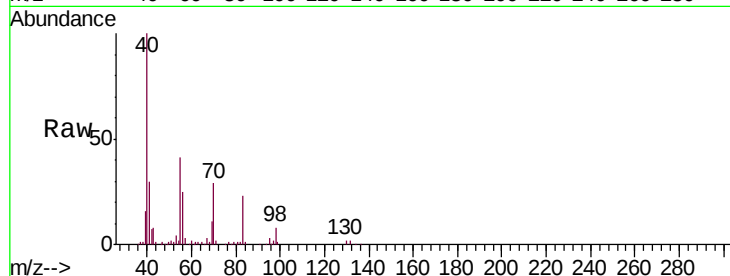
Tgt Ion: 83 Resp: 65491

Ion Ratio Lower Upper

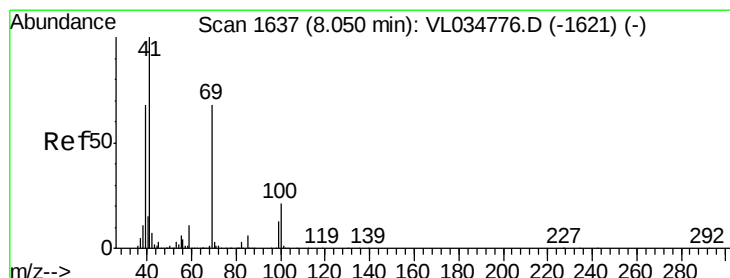
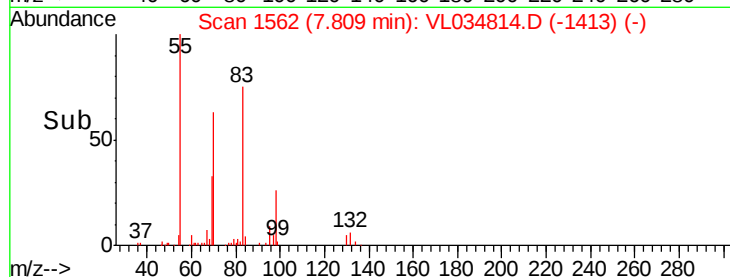
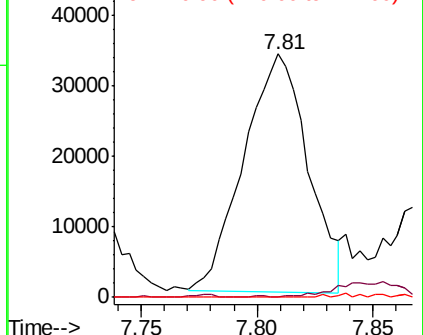
83 100

85 0.0 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: 0.194 ppbv

RT: 7.99 min Scan# 1618

Delta R.T. -0.06 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

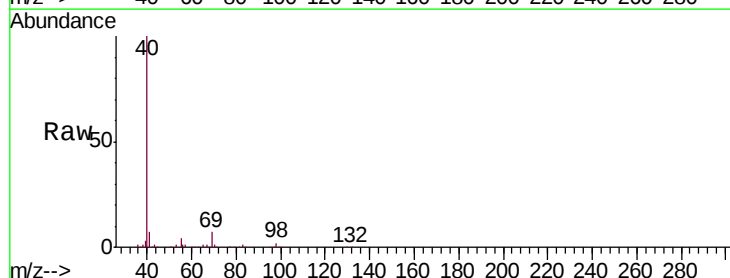
Tgt Ion: 69 Resp: 7806

Ion Ratio Lower Upper

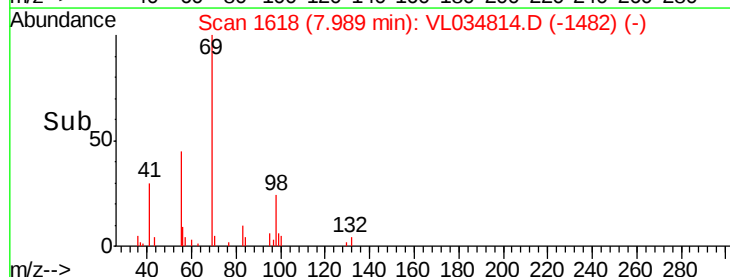
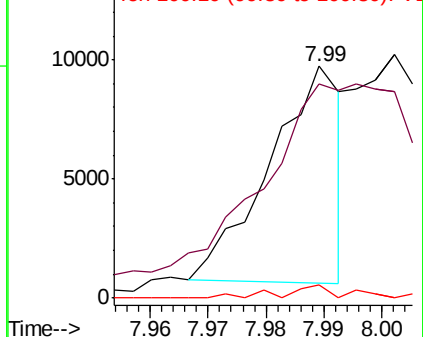
69 100

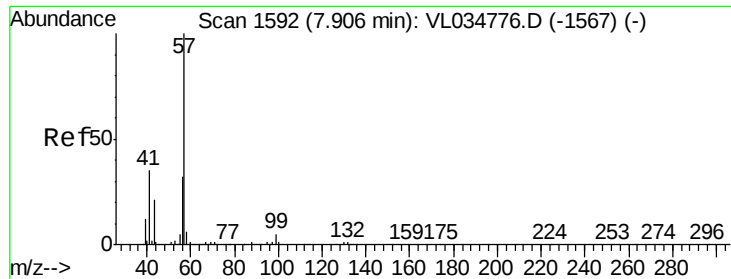
41 0.0 121.6 182.4#

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

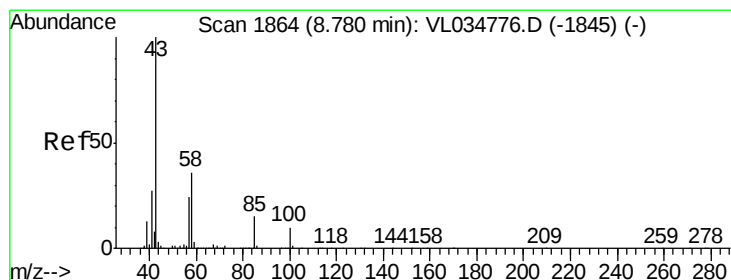
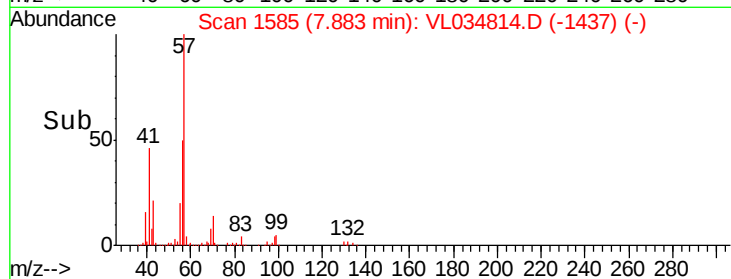
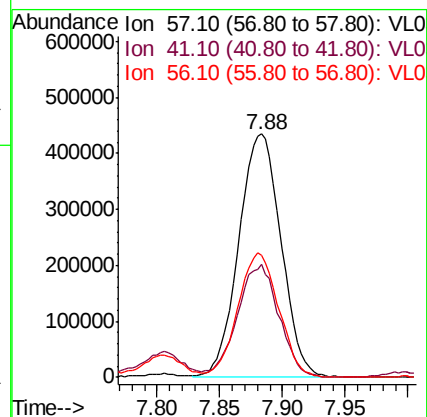
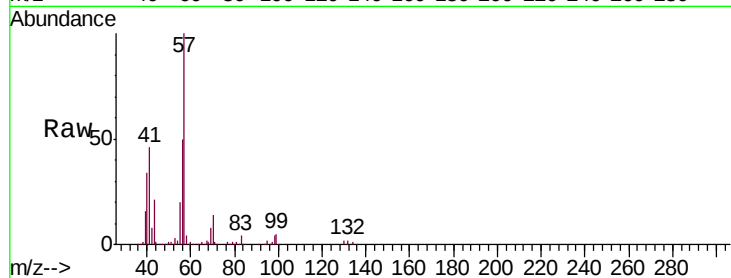




#44
 2,2,4-Trimethylpentane
 Concen: 6.113 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.02 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

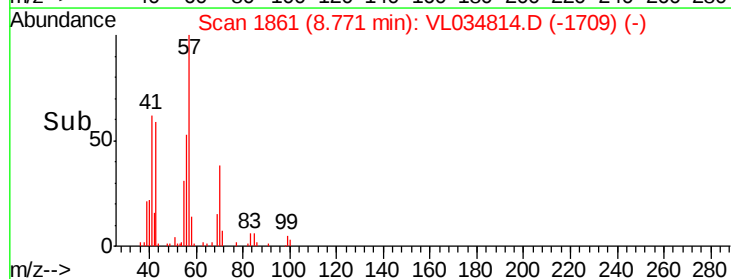
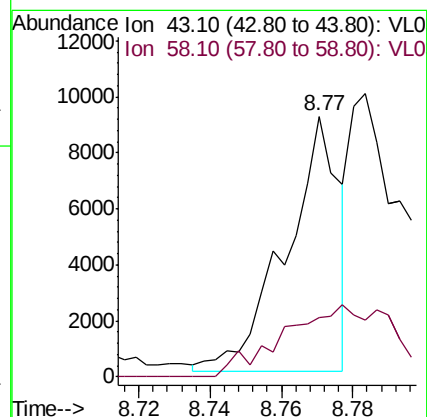
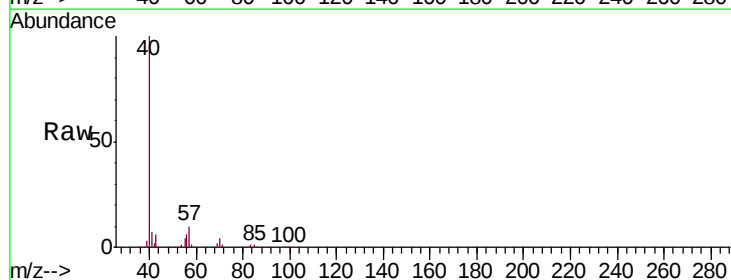
Instrument :
 MSVOA_L
 ClientSampleID :
 SS-2-4DL

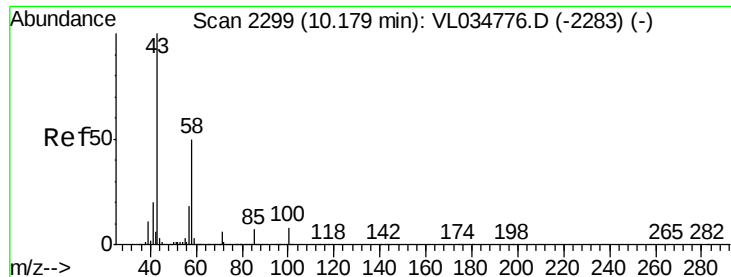
Tgt Ion: 57 Resp: 1013909
 Ion Ratio Lower Upper
 57 100
 41 45.7 27.4 41.0#
 56 49.4 25.0 37.6#



#50
 4-Methyl-2-Pentanone
 Concen: 0.091 ppbv
 RT: 8.77 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Tgt Ion: 43 Resp: 9448
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.7 43.1#

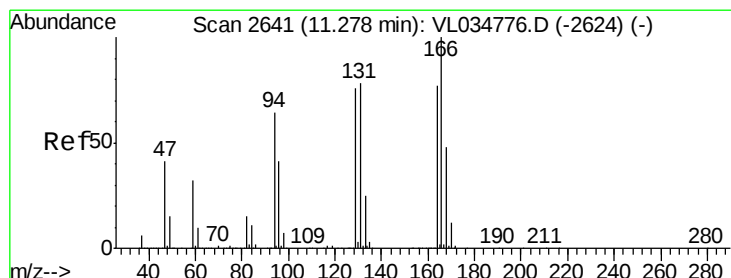
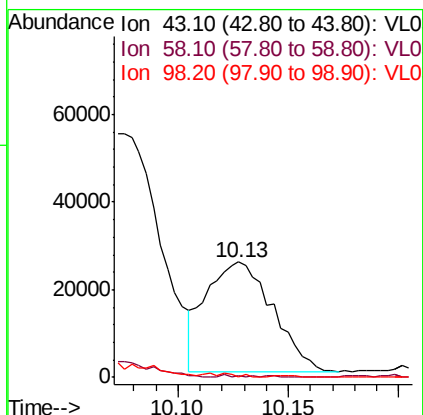
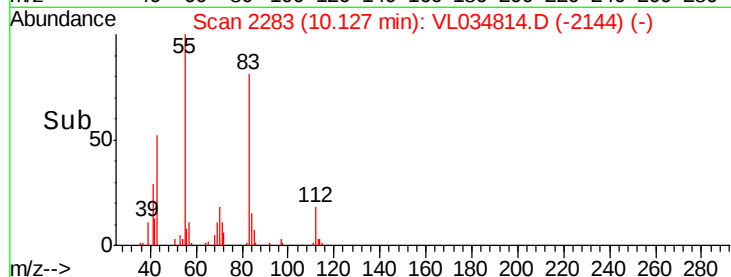
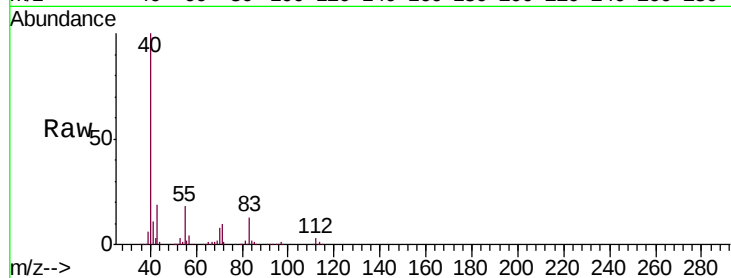




#51
2-Hexanone
Concen: 0.649 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.05 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

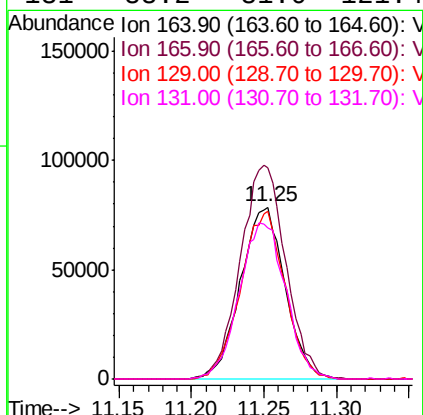
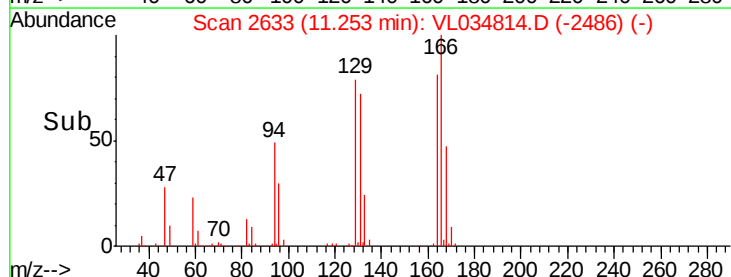
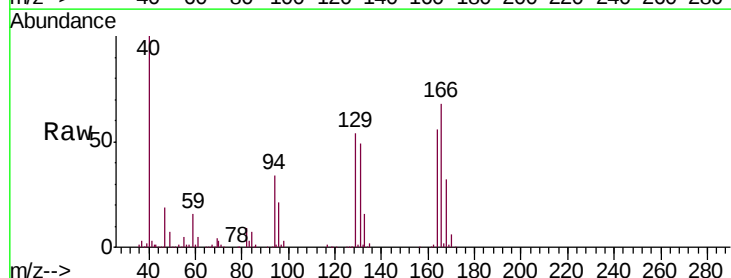
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL

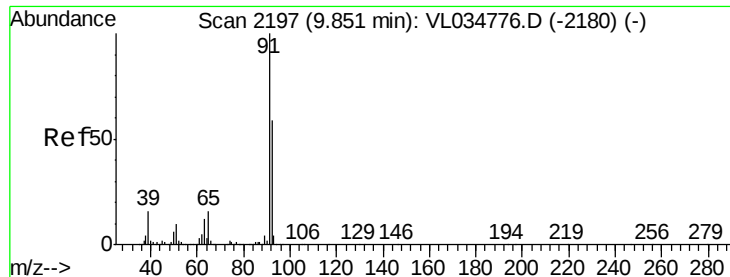
Tgt Ion: 43 Resp: 52756
Ion Ratio Lower Upper
43 100
58 0.9 38.6 58.0#
98 0.9 0.2 0.4#



#52
Tetrachloroethene
Concen: 4.799 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

Tgt Ion: 164 Resp: 168284
Ion Ratio Lower Upper
164 100
166 122.7 103.3 154.9
129 97.5 79.0 118.4
131 88.2 81.0 121.4





#53

Toluene

Concen: 1.488 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

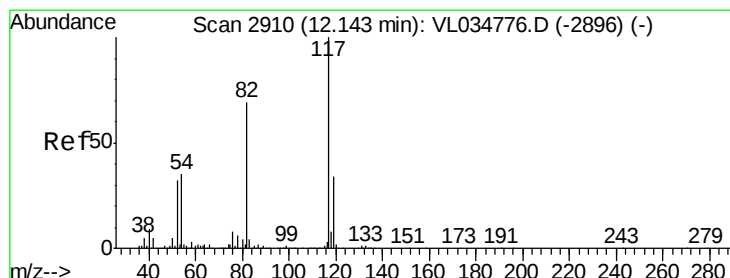
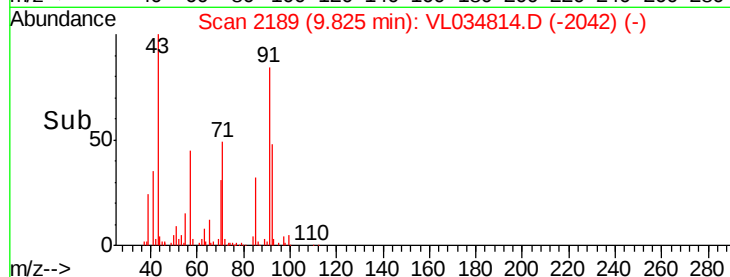
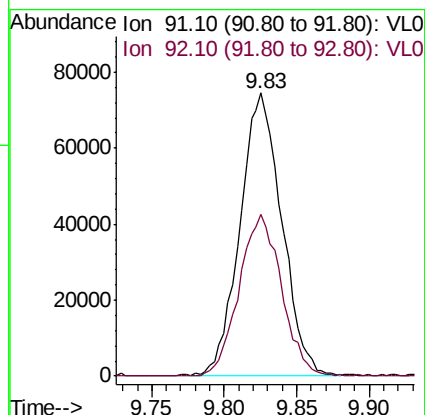
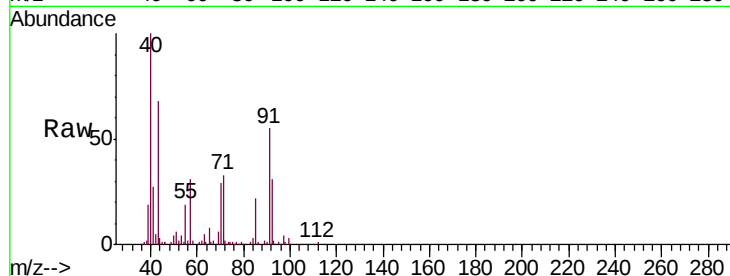
SS-2-4DL

Tgt Ion: 91 Resp: 149455

Ion Ratio Lower Upper

91 100

92 57.8 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.03 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

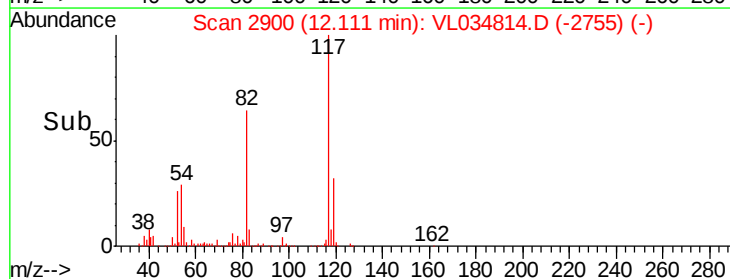
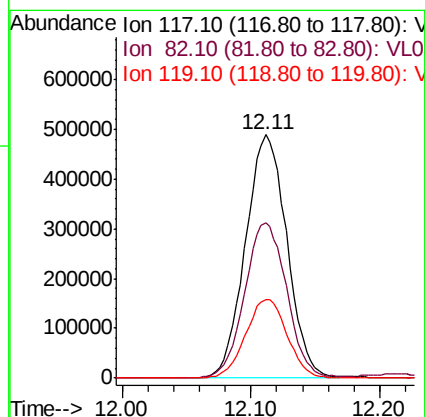
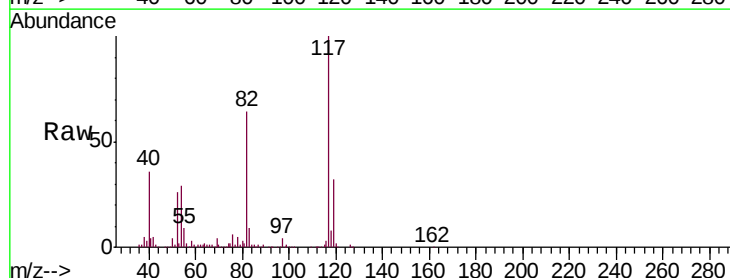
Tgt Ion: 117 Resp: 1093957

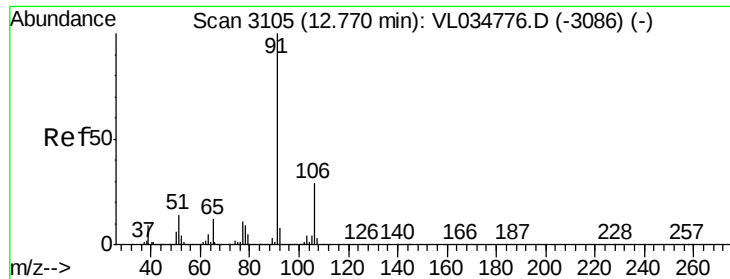
Ion Ratio Lower Upper

117 100

82 65.0 53.9 80.9

119 32.6 25.0 37.4





#58

Ethyl Benzene

Concen: 0.574 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.03 min

Lab File: VL034814.D

Acq: 6 Mar 2020 4:05

Instrument :

MSVOA_L

ClientSampleId :

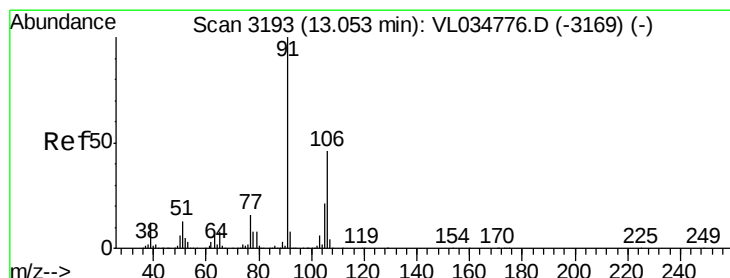
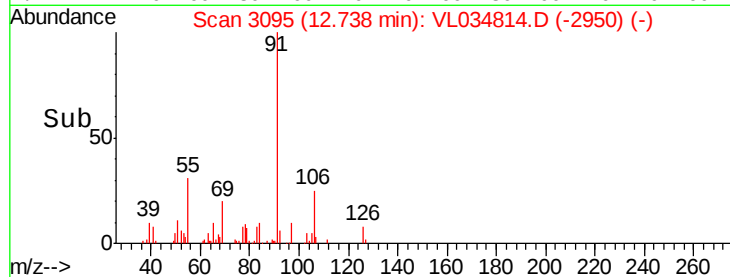
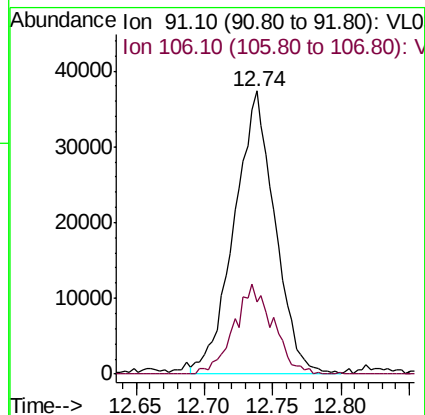
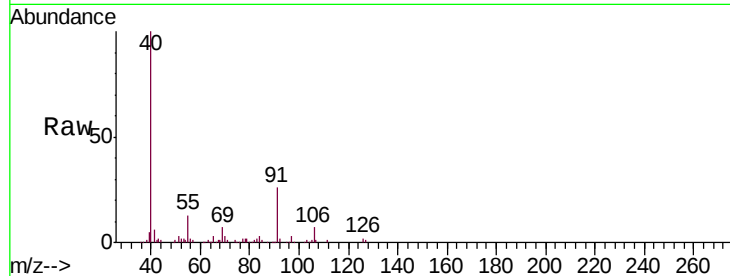
SS-2-4DL

Tgt Ion: 91 Resp: 77417

Ion Ratio Lower Upper

91 100

106 25.4 22.8 34.2



#59

m/p-Xylene

Concen: 2.085 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.06 min

Lab File: VL034814.D

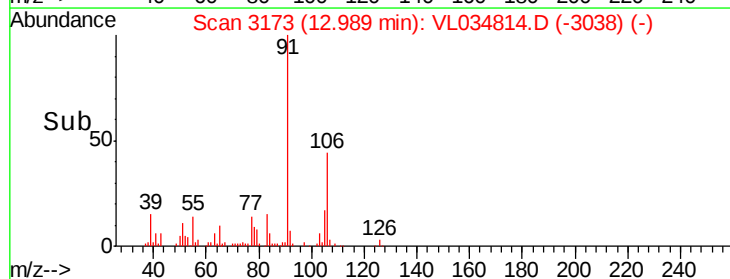
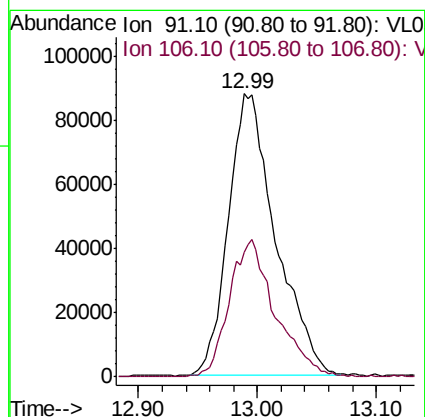
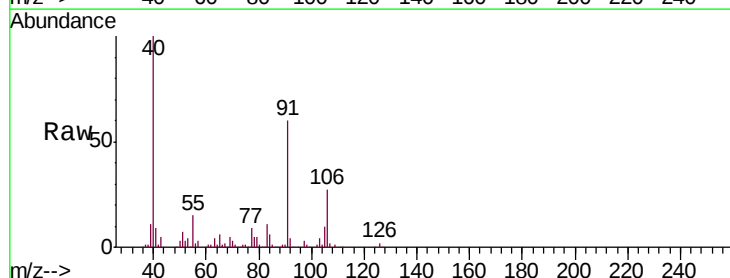
Acq: 6 Mar 2020 4:05

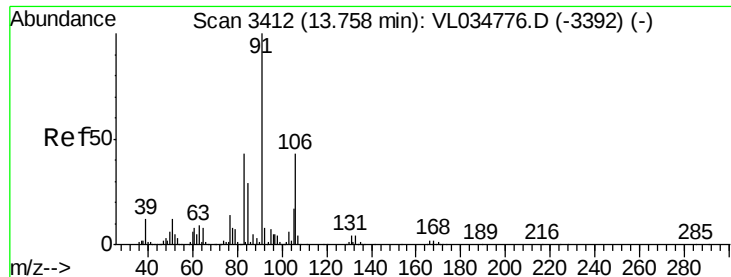
Tgt Ion: 91 Resp: 243290

Ion Ratio Lower Upper

91 100

106 47.4 35.8 53.8

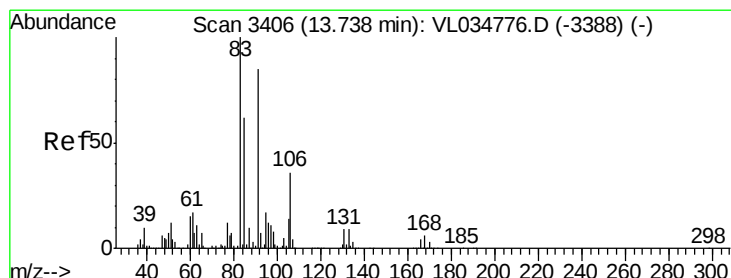
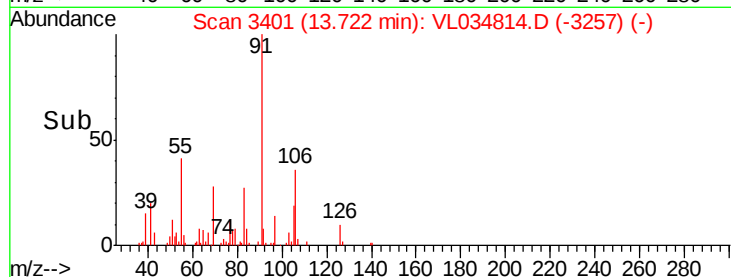
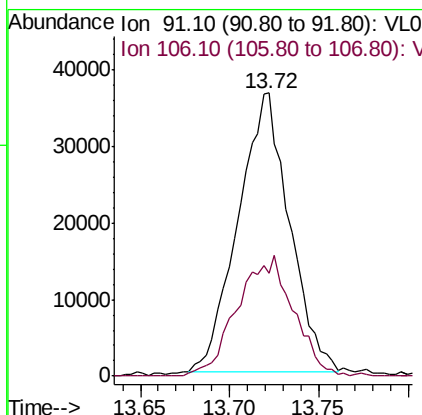
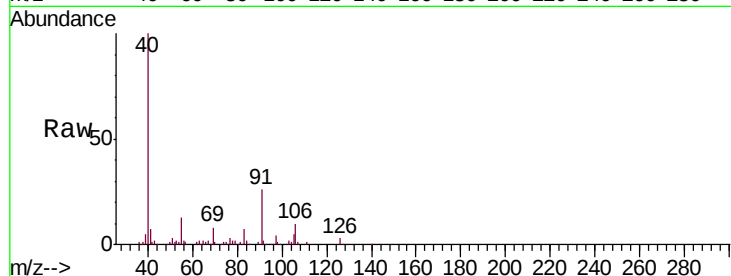




#60
o-Xylene
Concen: 0.625 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

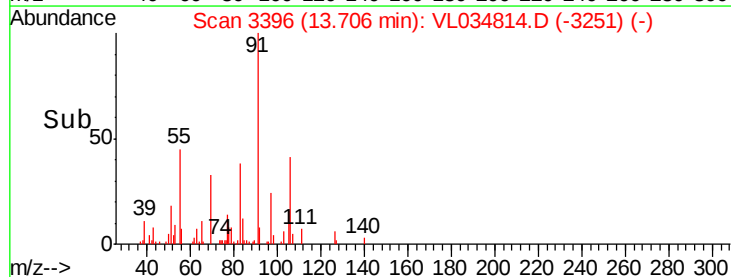
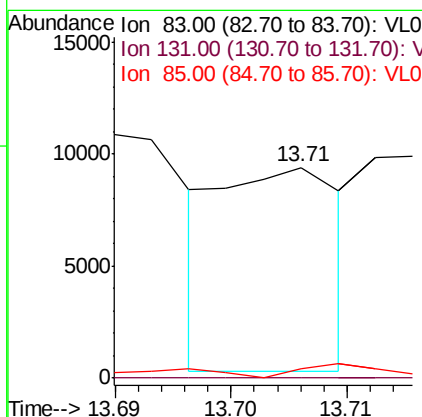
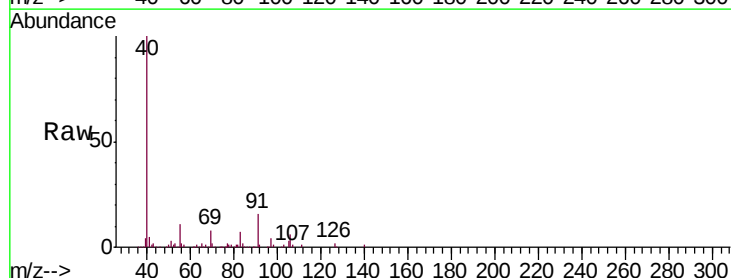
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4DL

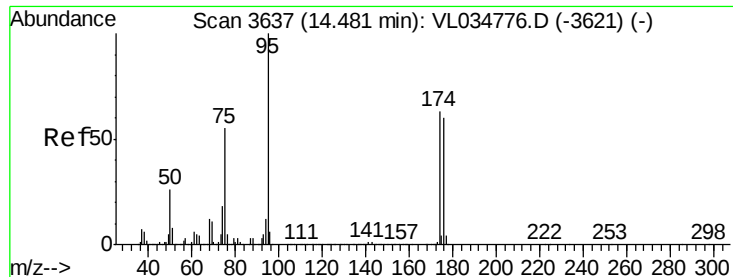
Tgt Ion: 91 Resp: 73827
Ion Ratio Lower Upper
91 100
106 46.9 21.7 65.1



#63
1,1,2,2-Tetrachloroethane
Concen: 0.070 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.03 min
Lab File: VL034814.D
Acq: 6 Mar 2020 4:05

Tgt Ion: 83 Resp: 6538
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.0#
85 10.7 32.9 98.7#

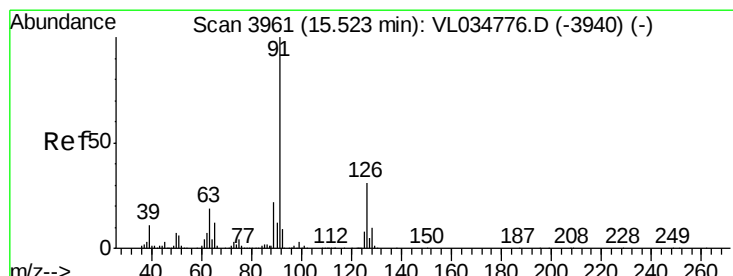
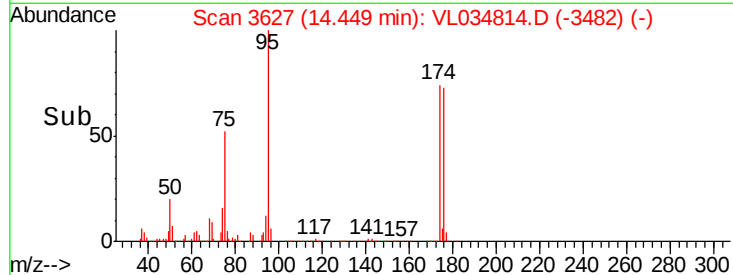
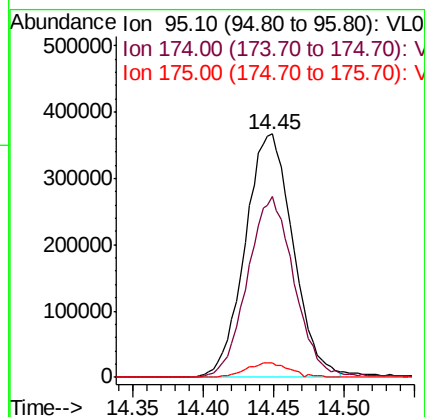
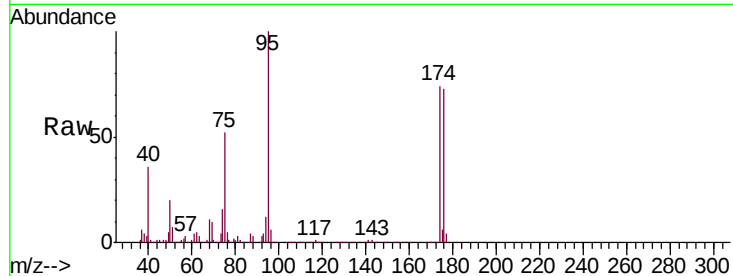




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.510 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.03 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4DL

Tgt Ion: 95 Resp: 867460
 Ion Ratio Lower Upper
 95 100
 174 73.7 50.6 76.0
 175 5.6 3.8 5.6



#71
 2-Chlorotoluene
 Concen: 0.036 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.06 min
 Lab File: VL034814.D
 Acq: 6 Mar 2020 4:05

Tgt Ion: 91 Resp: 4668
 Ion Ratio Lower Upper
 91 100
 126 14.0 11.7 46.7

