

Data File : VL034813.D
Acq On : 6 Mar 2020 3:27
Operator : SY/AP
Sample : L1698-08 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

Quant Time: Mar 06 07:59:02 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	5.67	49	458631	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1117096	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.11	117	1111611	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	913724	9.86	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	4741	0.063	ppbv #	67
3) Chlorodifluoromethane	2.93	51	4626	0.089	ppbv #	69
5) Vinyl Chloride	3.22	62	3047057	102.486	ppbv	91
7) Chloroethane	3.22	64	1066950	103.785	ppbv #	44
9) Propene	2.97	41	675365	32.838	ppbv	93
10) Heptane	8.15	43	1337907	25.597	ppbv	97
13) Ethanol	3.58	45	59989	8.513	ppbv	97
15) Acetone	3.84	43	1570170	28.590	ppbv #	85
16) 1,3-Butadiene	3.32	39	100143	4.030	ppbv #	9
17) tert-Butyl alcohol	4.28	59	4009	0.093	ppbv #	71
18) 1,1-Dichloroethene	4.27	96	64889	3.184	ppbv	93
19) Isopropyl Alcohol	3.95	45	73487	2.233	ppbv #	93
20) Methylene Chloride	4.32	84	318879	16.268	ppbv	96
21) Allyl Chloride	4.35	41	260032	7.477	ppbv #	63
22) trans-1,2-Dichloroethene	4.87	96	132280	6.649	ppbv	96
23) Vinyl Acetate	5.04	43	1252268	17.004	ppbv #	1
24) 1,1-Dichloroethane	5.01	63	52117	0.912	ppbv	98
25) Ethyl Acetate	5.69	43	1321916	13.929	ppbv #	77
26) Hexane	5.69	57	1855903	44.763	ppbv #	42
27) Carbon Disulfide	4.53	76	61812	1.276	ppbv	99
29) Chloroform	5.75	83	8514	0.122	ppbv	96
30) Cyclohexane	7.14	84	1383135	43.605	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	8449874	198.702	ppbv #	66
34) 2-Butanone	5.25	43	134664	1.853	ppbv	100
36) Benzene	6.91	78	1622088	16.993	ppbv	98
37) 1,2-Dichloroethane	6.32	62	6540	0.100	ppbv #	84
38) Trichloroethene	7.85	130	1623580	43.640	ppbv	93
39) 1,2-Dichloropropane	7.63	63	61143	1.587	ppbv	90
40) 1,4-Dioxane	7.88	88	2014	0.151	ppbv #	1
41) Tetrahydrofuran	6.12	42	57348	1.547	ppbv #	46
42) Bromodichloromethane	7.81	83	147617	1.789	ppbv #	25
43) Methyl Methacrylate	8.01	69	25220	0.623	ppbv #	37
44) 2,2,4-Trimethylpentane	7.89	57	3108634	18.635	ppbv #	72
47) 1,1,2-Trichloroethane	9.47	97	8907	0.219	ppbv #	1
50) 4-Methyl-2-Pentanone	8.77	43	65253	0.627	ppbv	99
51) 2-Hexanone	10.13	43	187318	2.293	ppbv #	30
52) Tetrachloroethene	11.25	164	597935	16.955	ppbv	95
53) Toluene	9.83	91	526924	5.216	ppbv	99
58) Ethyl Benzene	12.73	91	238362	1.740	ppbv	98
59) m/p-Xylene	13.00	91	689394	5.814	ppbv	95
60) o-Xylene	13.72	91	187058	1.559	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030520\
Quantitation Report (Not Reviewed)

Data File : VL034813.D
Acq On : 6 Mar 2020 3:27
Operator : SY/AP
Sample : L1698-08 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

Quant Time: Mar 06 07:59:02 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)
62) Isopropylbenzene	14.70	105	17997	0.102	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.71	83	6538	0.069	ppbv #	59
64) n-propylbenzene	15.59	120	1484	0.034	ppbv #	1
71) 2-Chlorotoluene	15.60	91	15053	0.113	ppbv	70
72) 4-Ethyltoluene	15.86	105	7526	0.056	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.03	105	12137	0.095	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	22013	0.158	ppbv #	69

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

Data File : VL034813.D

Acq On : 6 Mar 2020 3:27

Operator : SY/AP

Sample : L1698-08 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

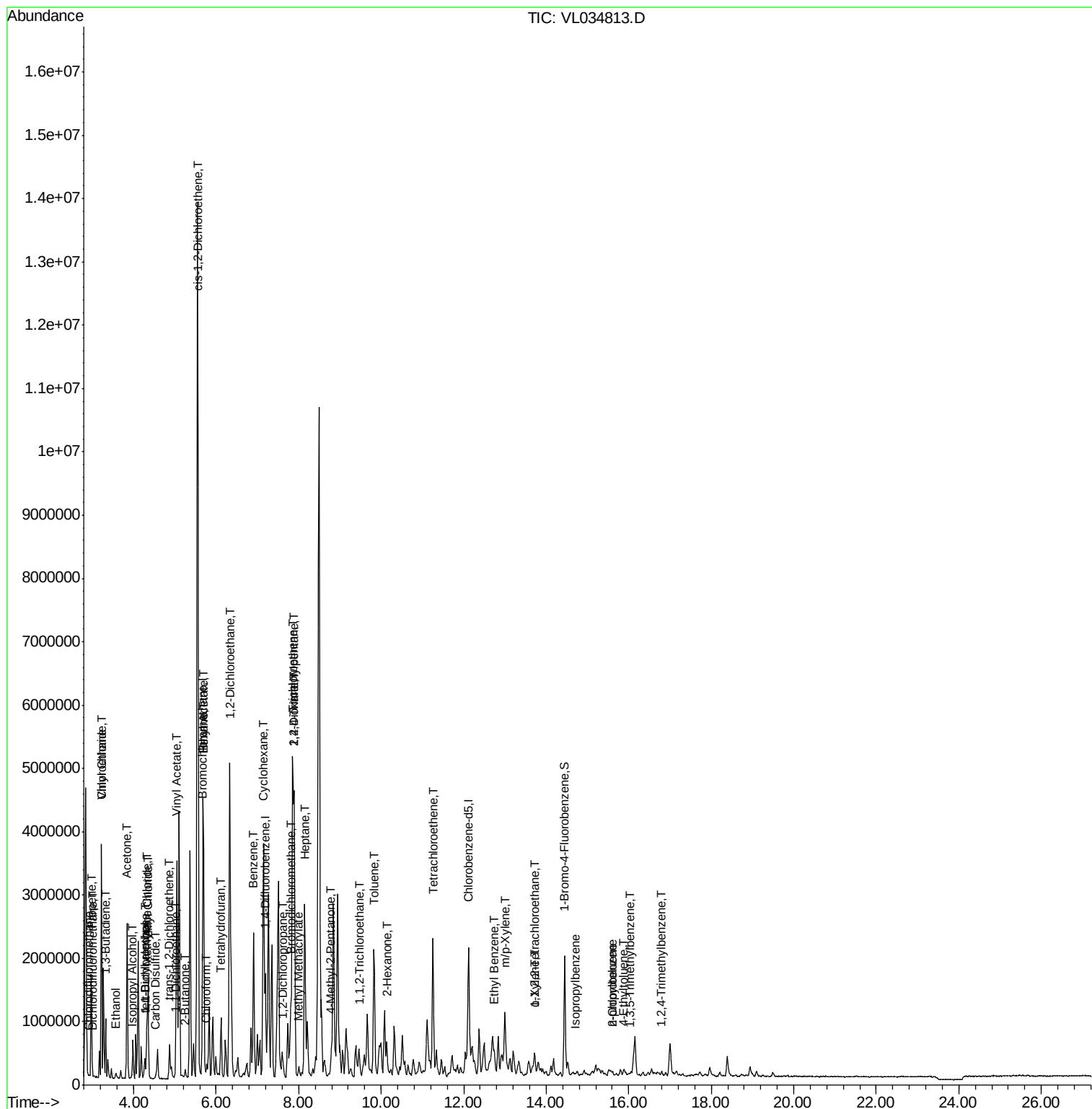
Quant Time: Mar 06 07:59:02 2020

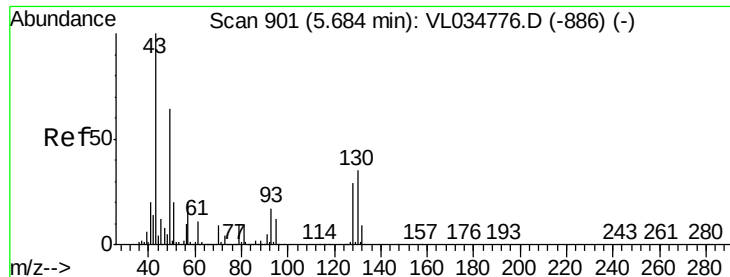
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL030420AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020

QLast Update : Wed Mar 04 06:36:39 2020

Response via : Initial Calibration

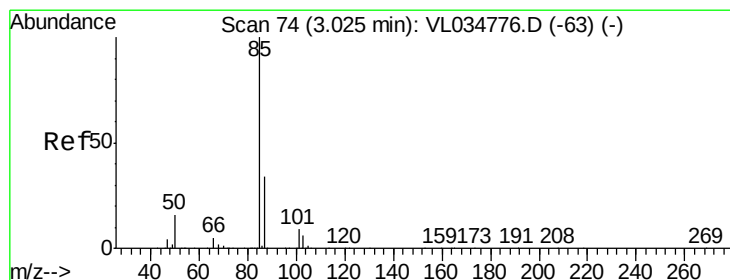
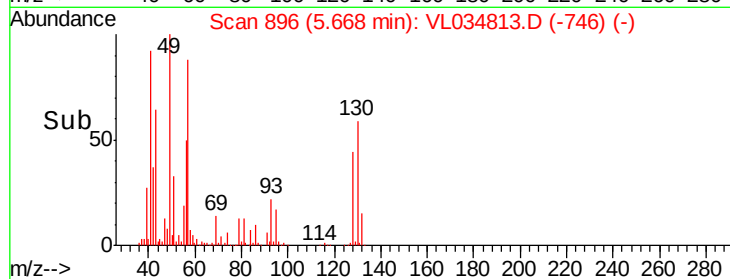
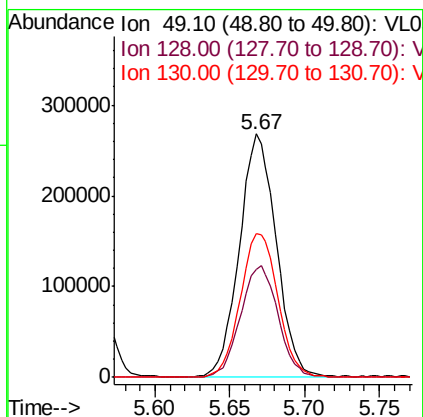
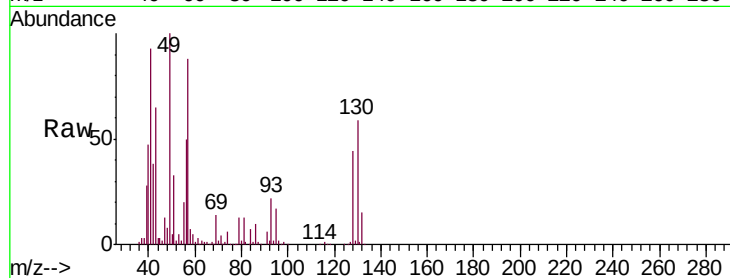




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

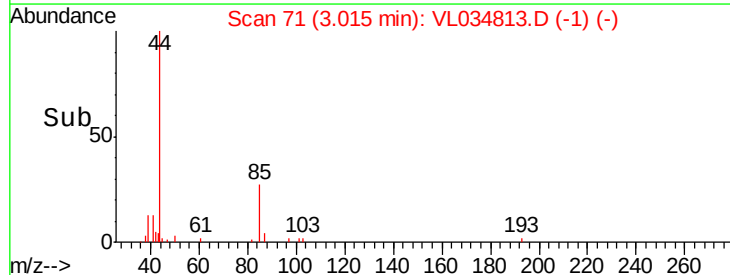
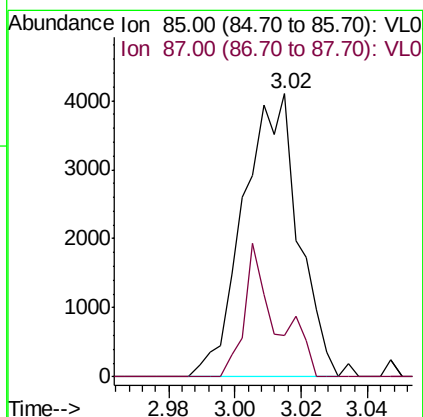
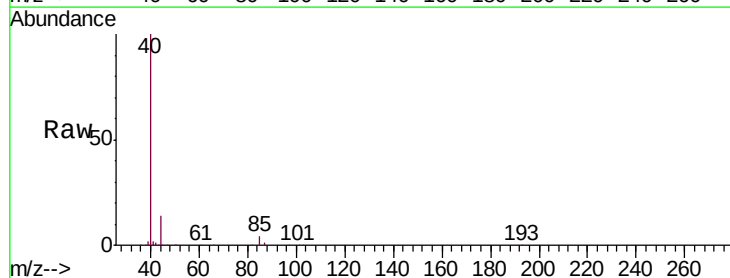
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4

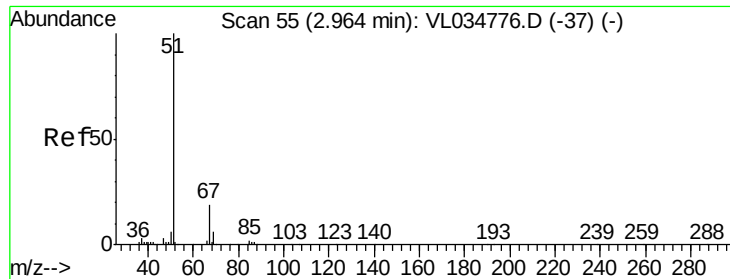
Tgt Ion: 49 Resp: 458631
 Ion Ratio Lower Upper
 49 100
 128 46.8 21.6 64.6
 130 60.7 27.4 82.2



#2
 Dichlorodifluoromethane
 Concen: 0.063 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Tgt Ion: 85 Resp: 4741
 Ion Ratio Lower Upper
 85 100
 87 14.8 27.2 40.8#





#3

Chlorodifluoromethane

Concen: 0.089 ppbv

RT: 2.93 min Scan# 44

Delta R.T. -0.04 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

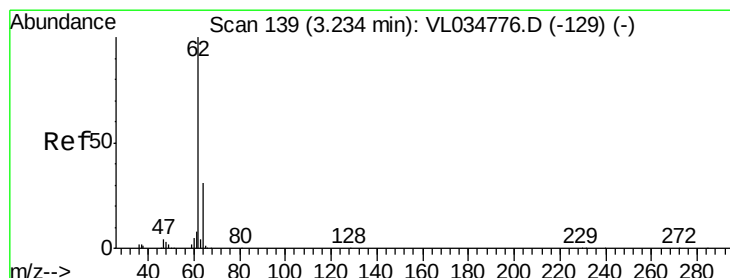
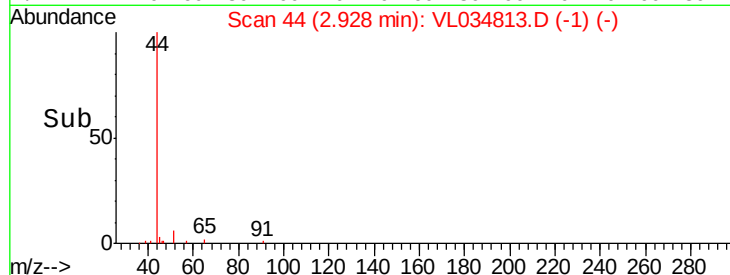
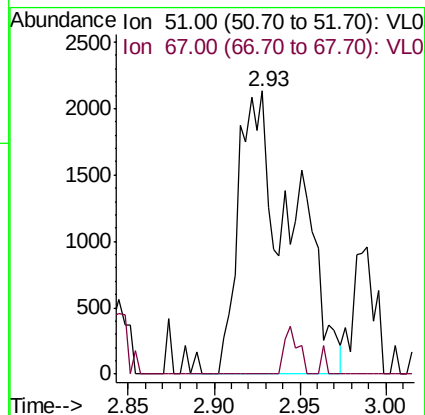
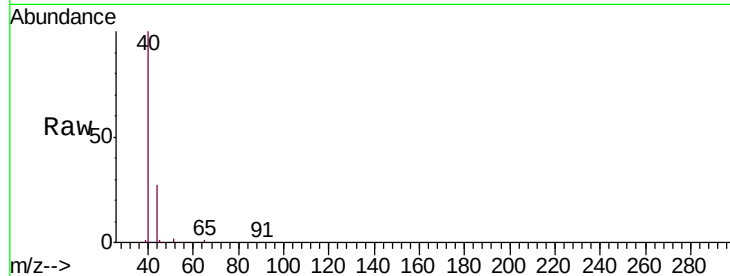
SS-2-4

Tgt Ion: 51 Resp: 4626

Ion Ratio Lower Upper

51 100

67 5.2 15.3 22.9#



#5

Vinyl Chloride

Concen: 102.486 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.01 min

Lab File: VL034813.D

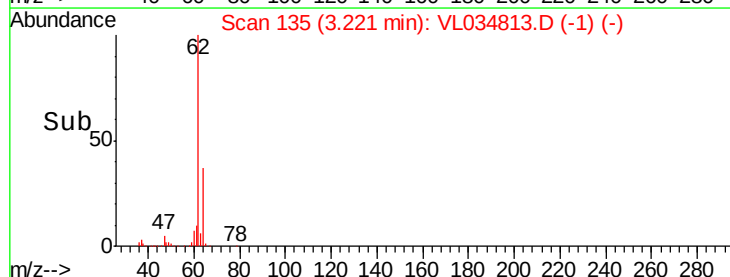
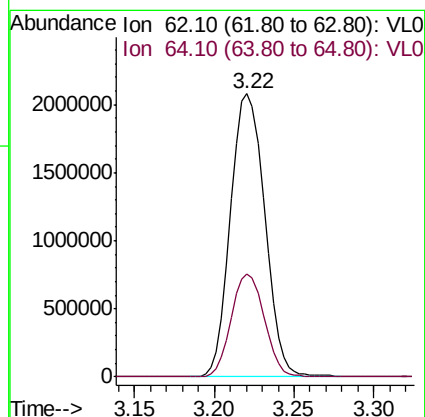
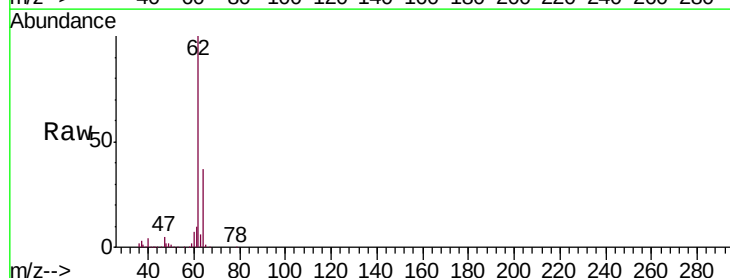
Acq: 6 Mar 2020 3:27

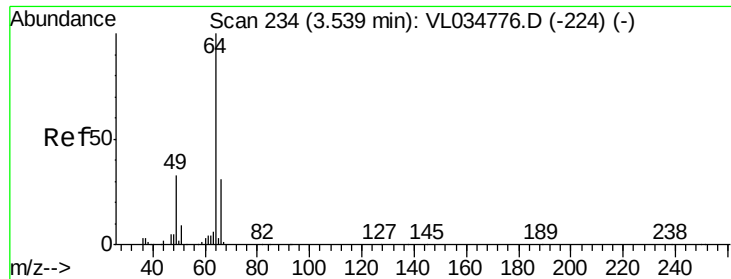
Tgt Ion: 62 Resp: 3047057

Ion Ratio Lower Upper

62 100

64 36.6 25.1 37.7





#7

Chloroethane

Concen: 103.785 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.32 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

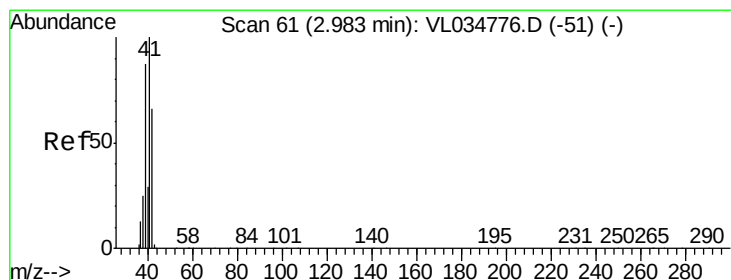
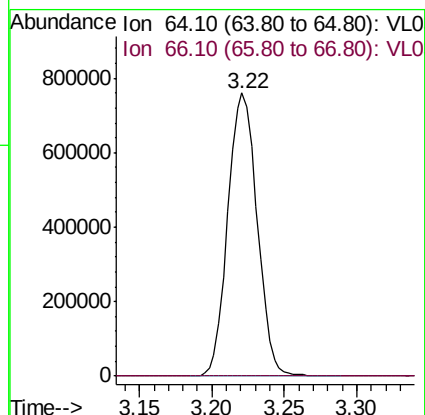
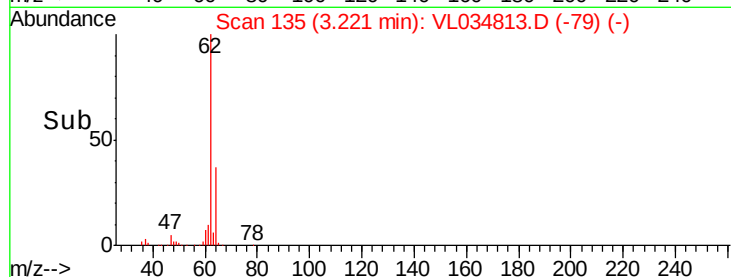
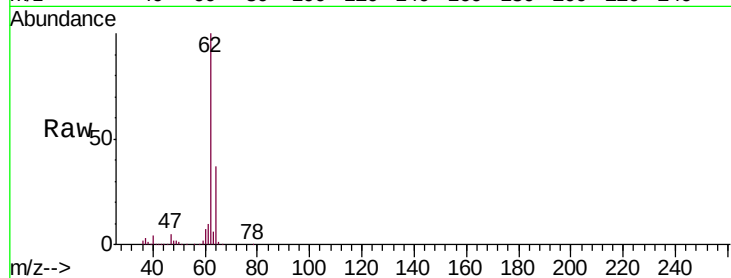
SS-2-4

Tgt Ion: 64 Resp: 1066950

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#9

Propene

Concen: 32.838 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034813.D

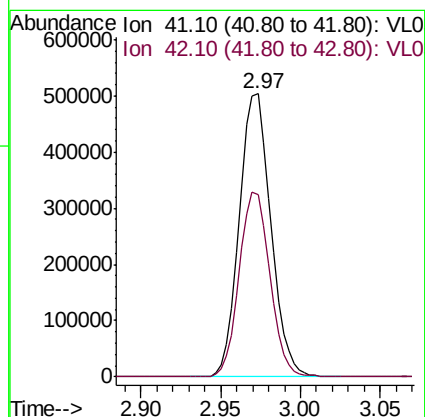
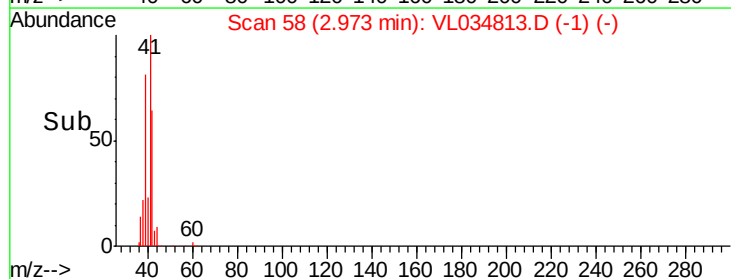
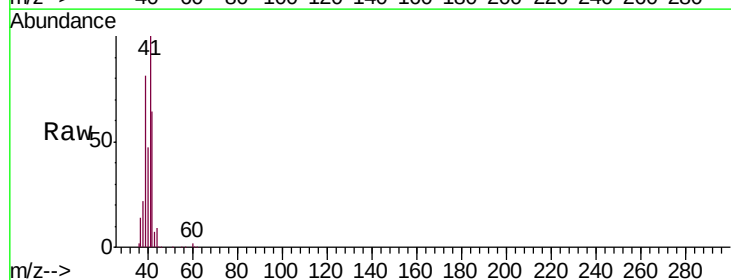
Acq: 6 Mar 2020 3:27

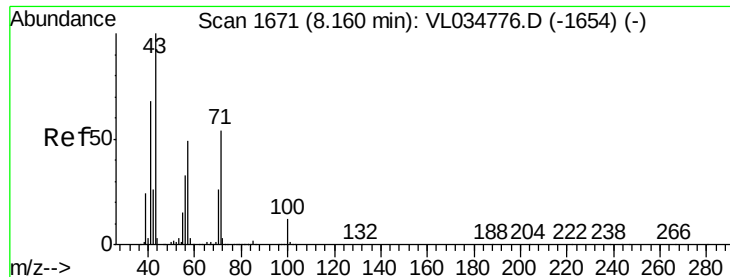
Tgt Ion: 41 Resp: 675365

Ion Ratio Lower Upper

41 100

42 63.6 55.6 83.4





#10

Heptane

Concen: 25.597 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

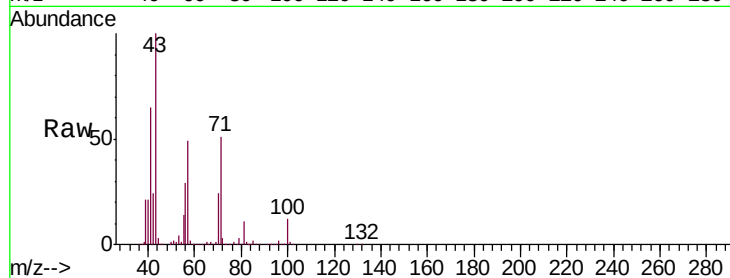
SS-2-4

Tgt Ion: 43 Resp: 1337907

Ion Ratio Lower Upper

43 100

57 48.7 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.15

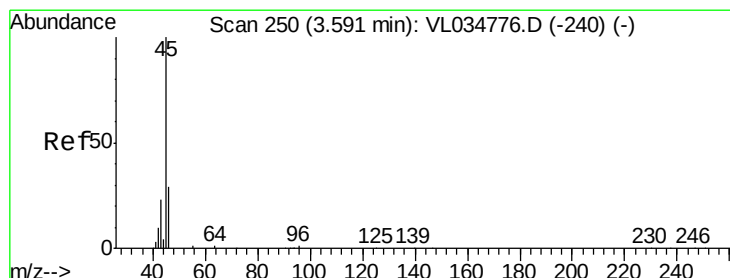
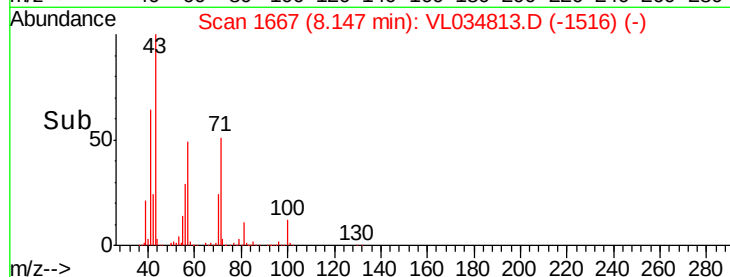
600000

400000

200000

0

Time-->



#13

Ethanol

Concen: 8.513 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.01 min

Lab File: VL034813.D

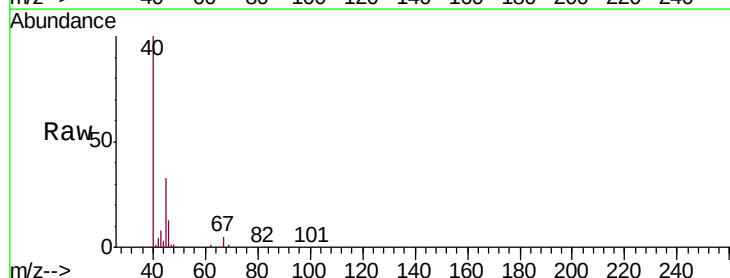
Acq: 6 Mar 2020 3:27

Tgt Ion: 45 Resp: 59989

Ion Ratio Lower Upper

45 100

46 38.8 14.7 58.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

40000

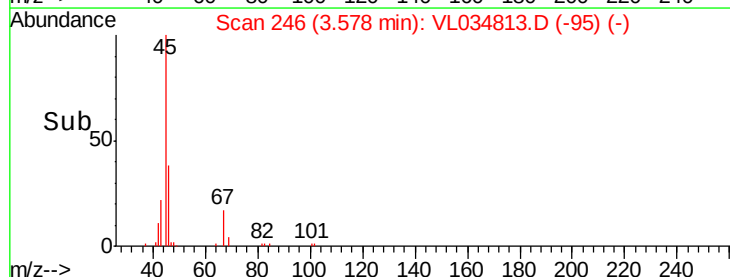
30000

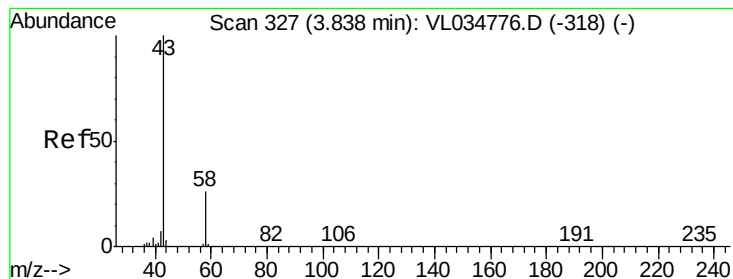
20000

10000

0

Time-->





#15

Acetone

Concen: 28.590 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

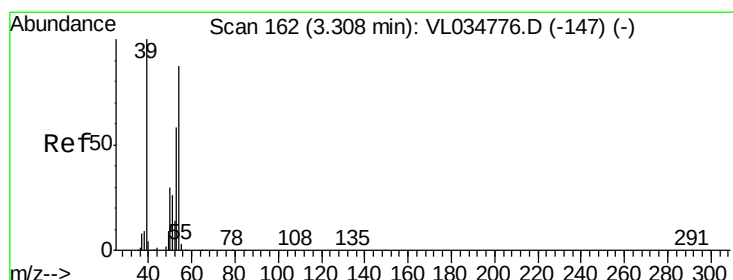
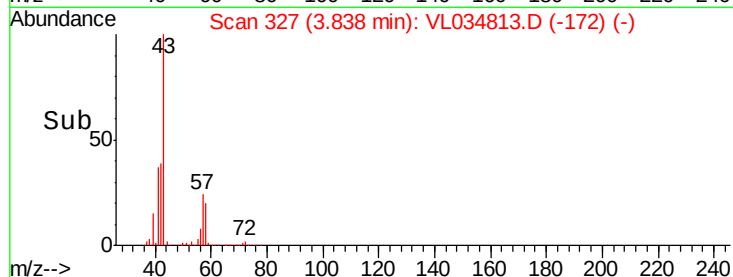
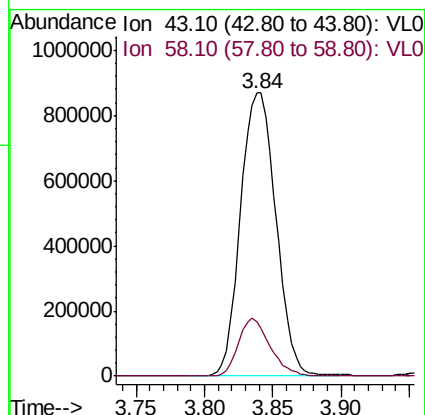
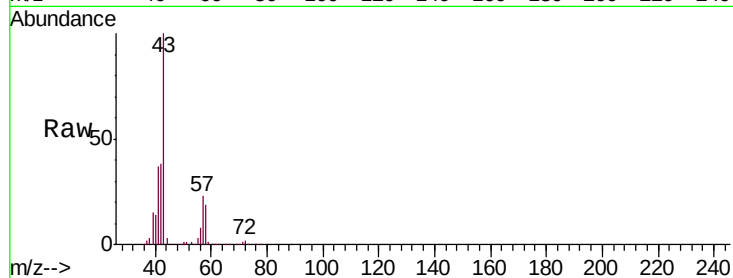
SS-2-4

Tgt Ion: 43 Resp: 1570170

Ion Ratio Lower Upper

43 100

58 18.5 21.0 31.6#



#16

1,3-Butadiene

Concen: 4.030 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL034813.D

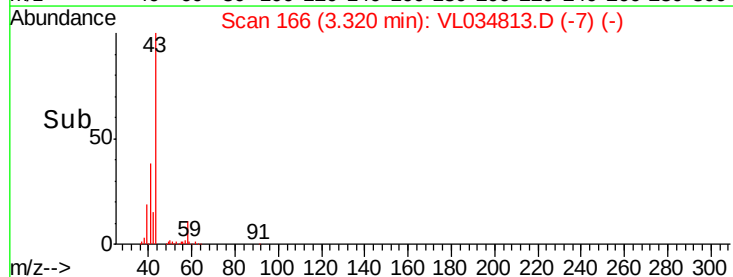
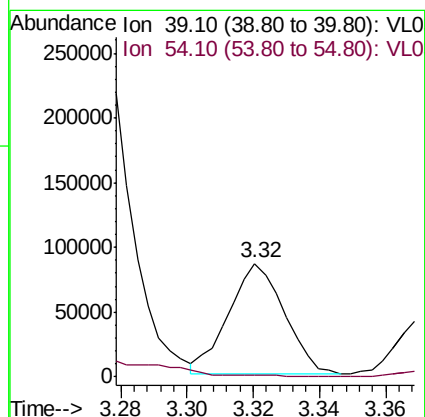
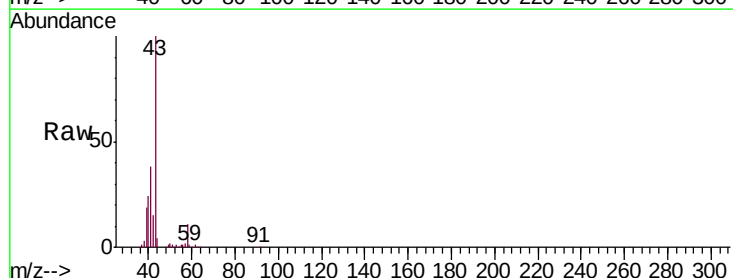
Acq: 6 Mar 2020 3:27

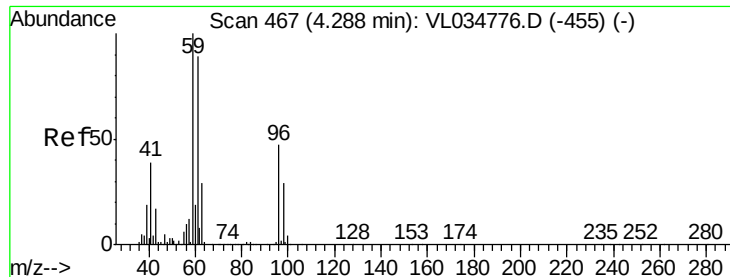
Tgt Ion: 39 Resp: 100143

Ion Ratio Lower Upper

39 100

54 0.0 64.2 96.2#





#17

tert-Butyl alcohol

Concen: 0.093 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

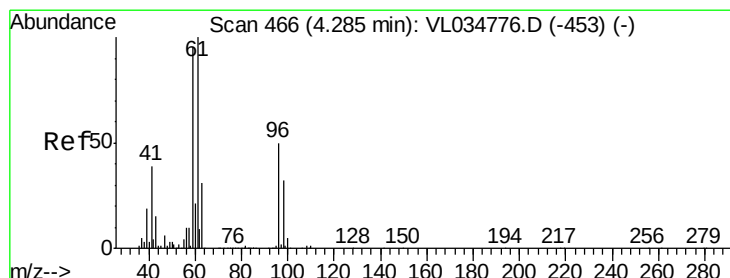
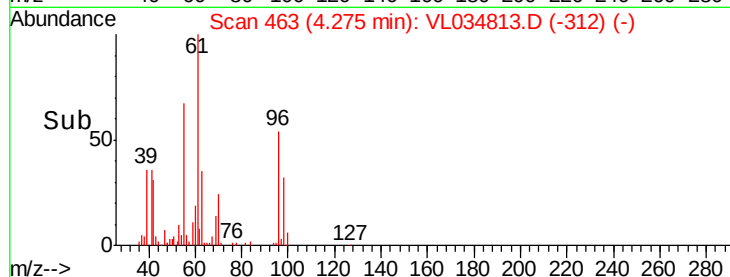
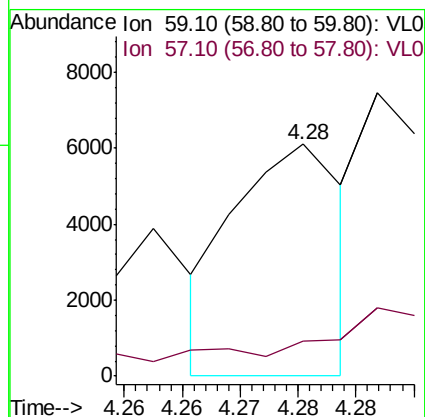
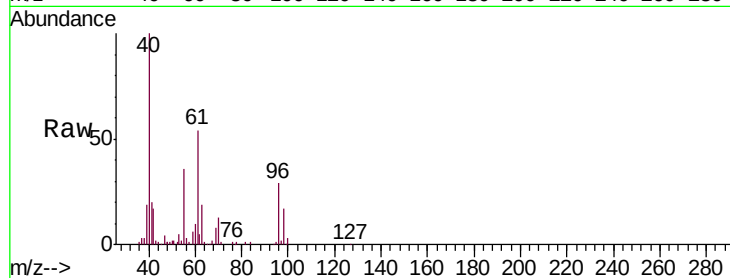
SS-2-4

Tgt Ion: 59 Resp: 4009

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 3.184 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

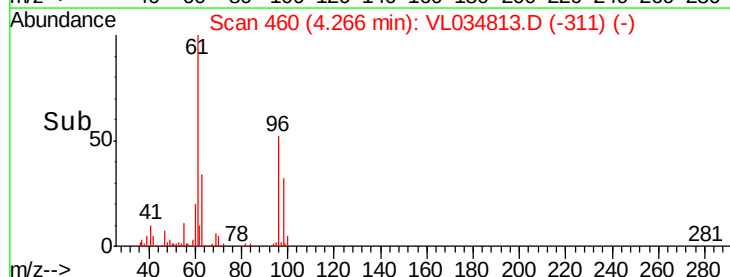
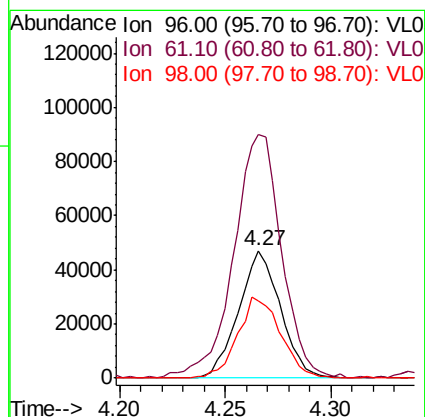
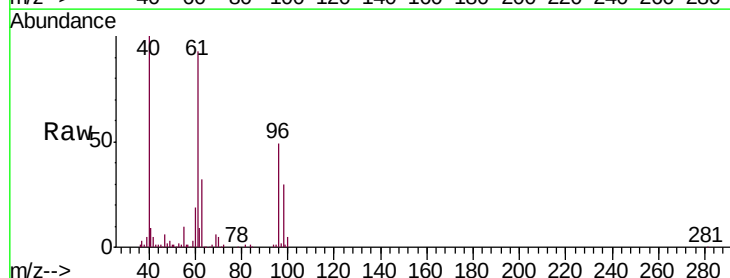
Tgt Ion: 96 Resp: 64889

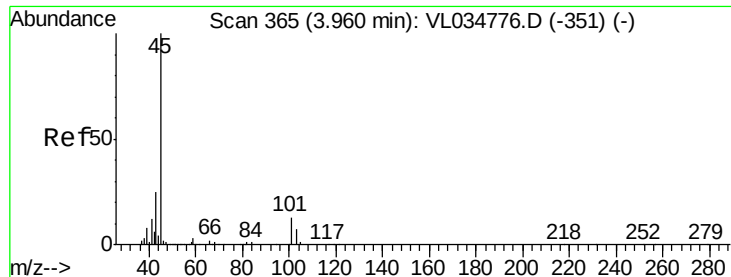
Ion Ratio Lower Upper

96 100

61 188.1 159.5 239.3

98 60.3 51.1 76.7





#19

Isopropyl Alcohol

Concen: 2.233 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

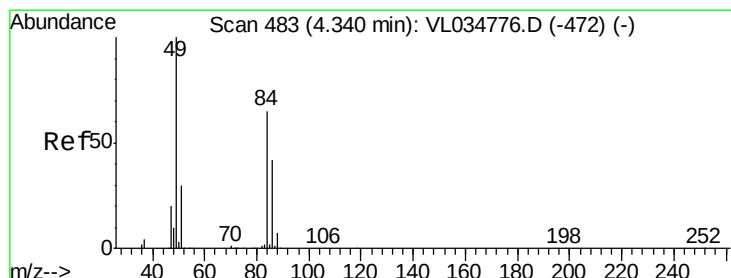
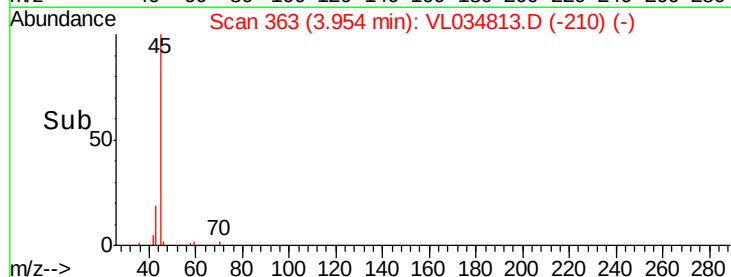
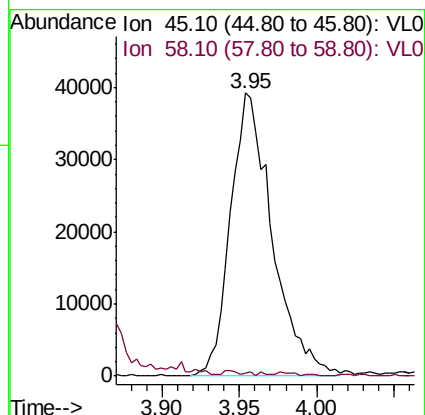
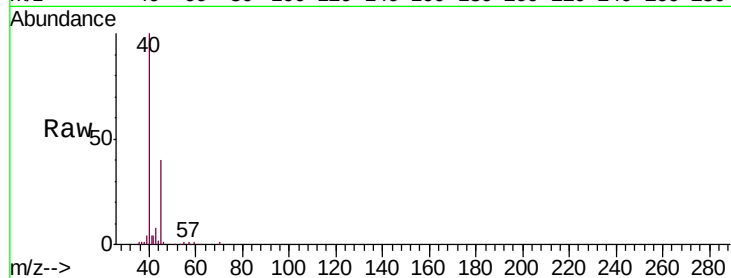
SS-2-4

Tgt Ion: 45 Resp: 73487

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



#20

Methylene Chloride

Concen: 16.268 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Tgt Ion: 84 Resp: 318879

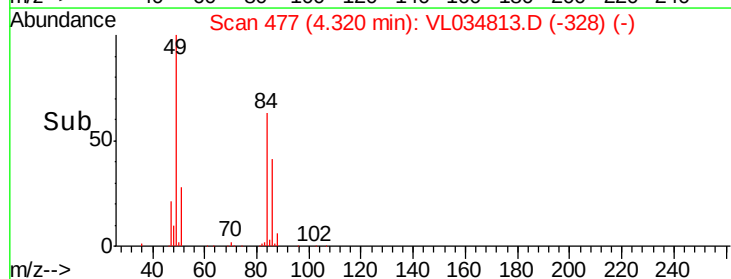
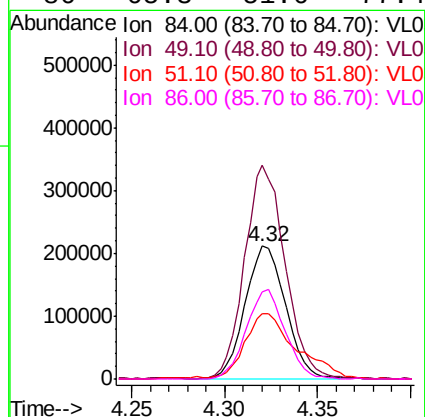
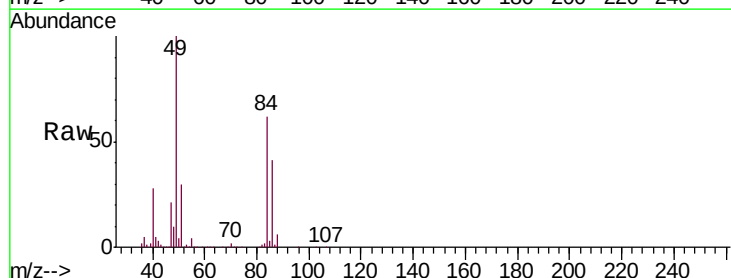
Ion Ratio Lower Upper

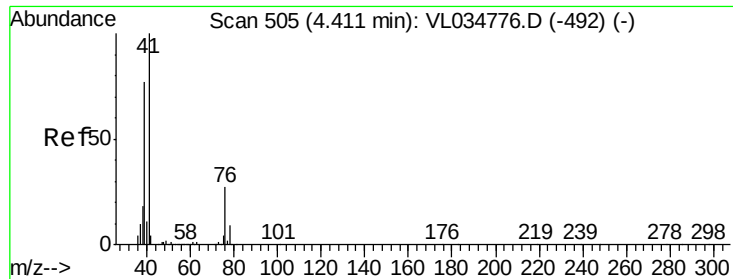
84 100

49 160.7 123.2 184.8

51 47.8 37.4 56.2

86 65.3 51.6 77.4

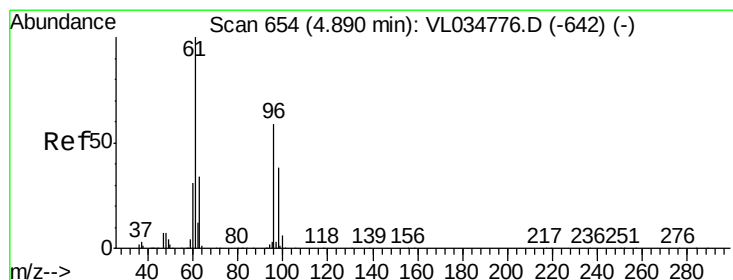
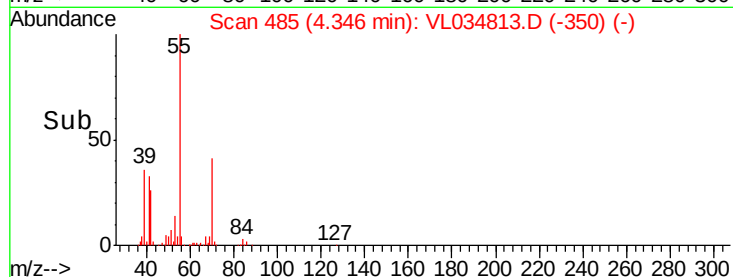
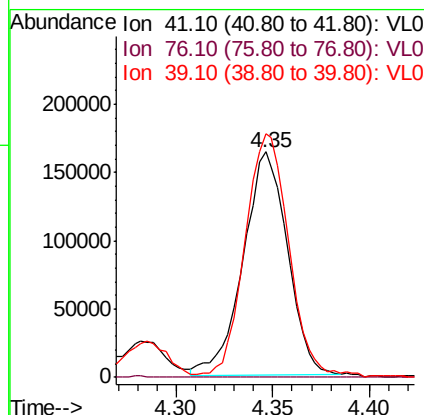
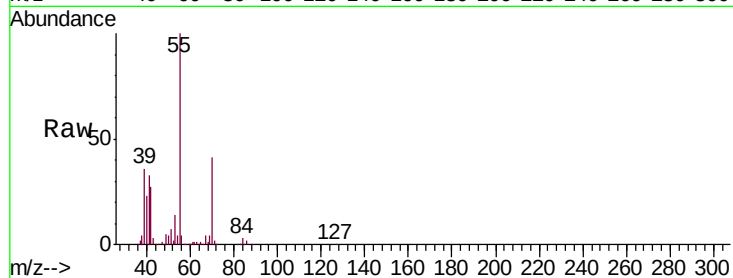




#21
 Allyl Chloride
 Concen: 7.477 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. -0.06 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

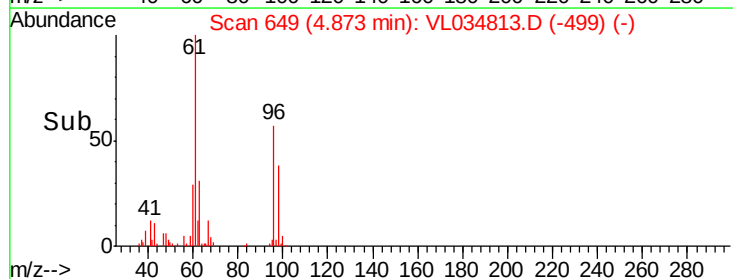
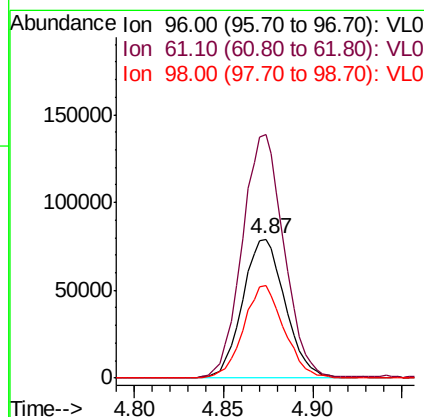
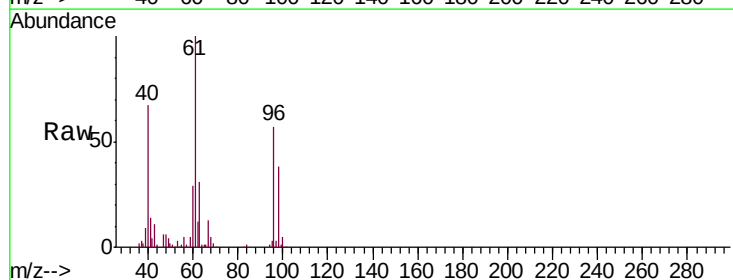
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4

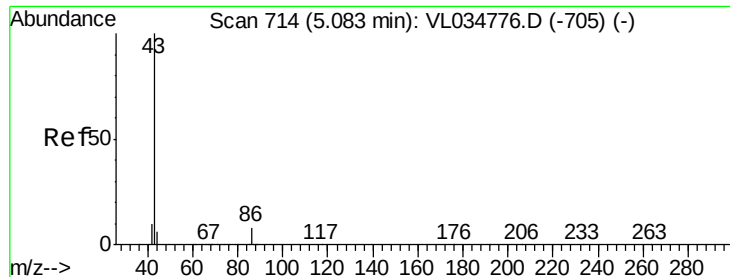
Tgt Ion: 41 Resp: 260032
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 109.1 65.0 97.6#



#22
 trans-1,2-Dichloroethene
 Concen: 6.649 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Tgt Ion: 96 Resp: 132280
 Ion Ratio Lower Upper
 96 100
 61 174.9 135.2 202.8
 98 66.9 50.8 76.2





#23

Vinyl Acetate

Concen: 17.004 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.04 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampled :

SS-2-4

Tgt Ion: 43 Resp: 1252268

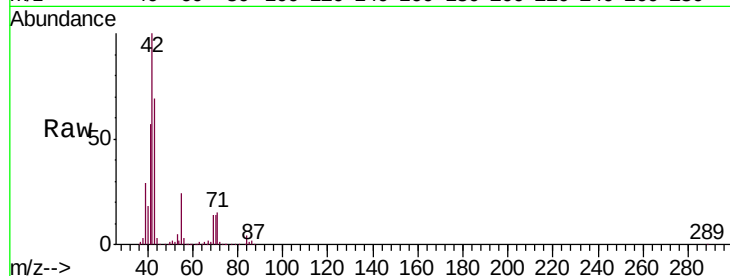
Ion Ratio Lower Upper

43 100

86 3.1 5.9 8.9#

42 145.3 8.2 12.2#

44 3.8 4.5 6.7#

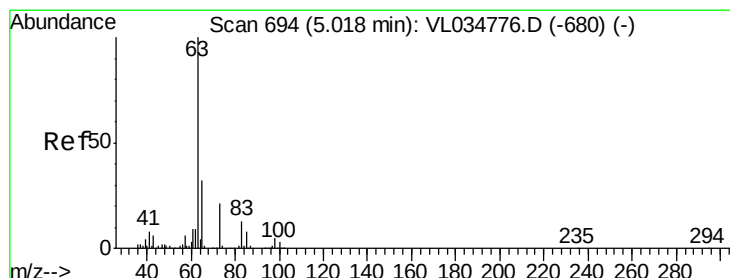
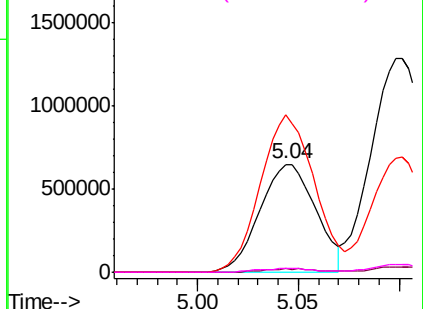
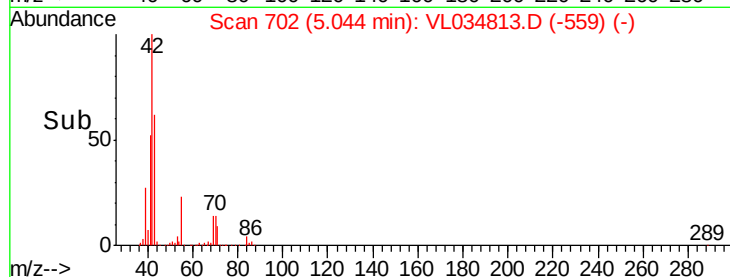


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.912 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

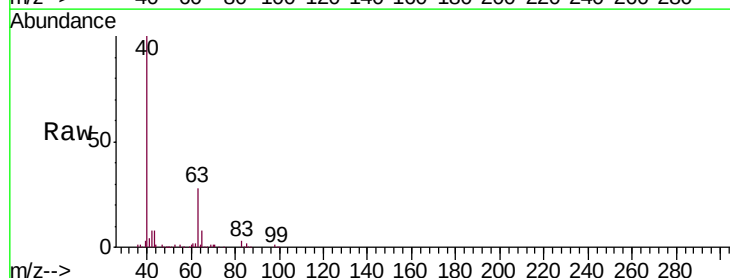
Tgt Ion: 63 Resp: 52117

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.8

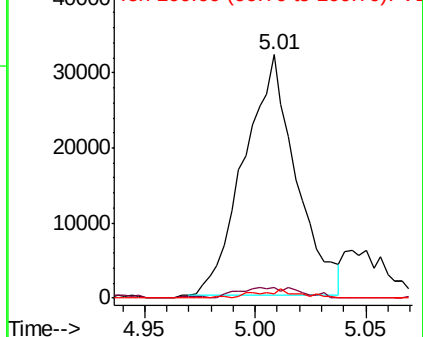
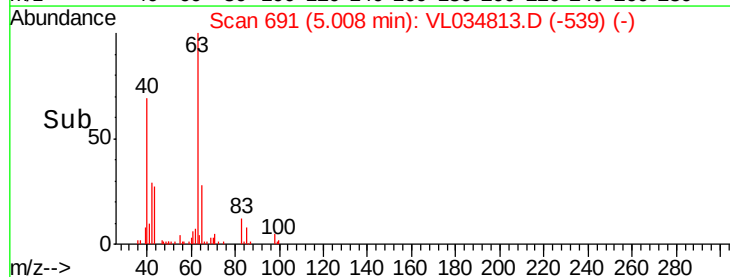
100 1.5 1.5 4.4

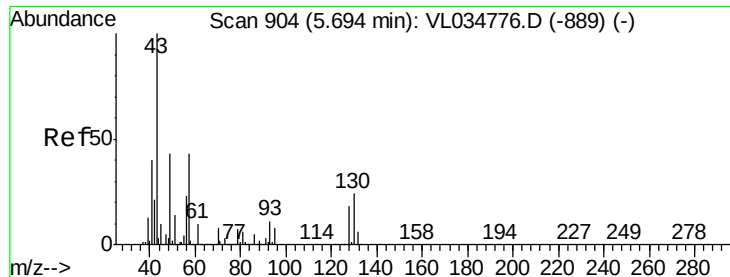


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

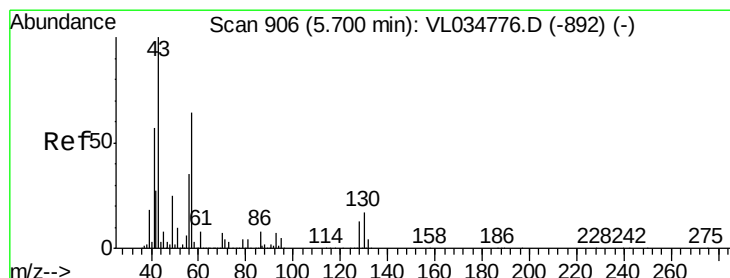
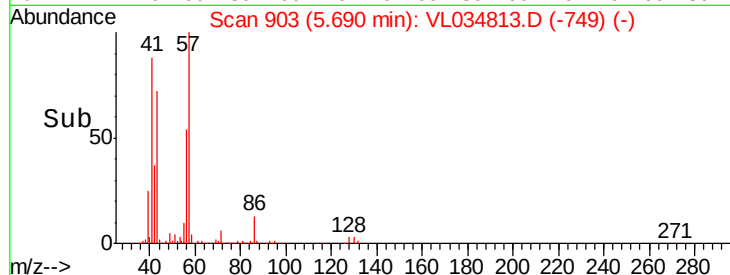
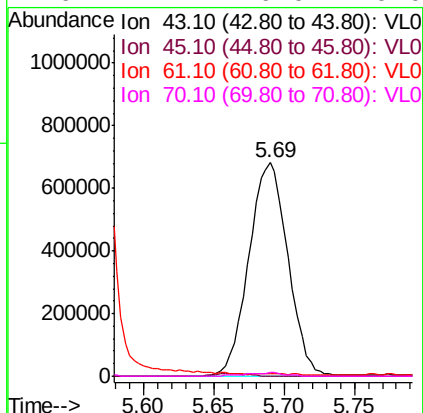
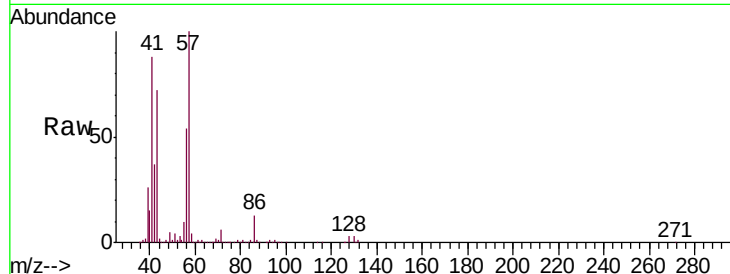




#25
Ethyl Acetate
Concen: 13.929 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

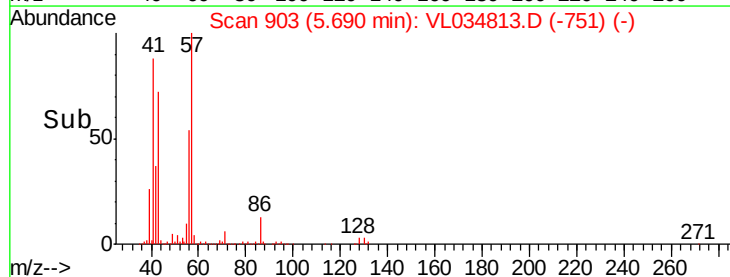
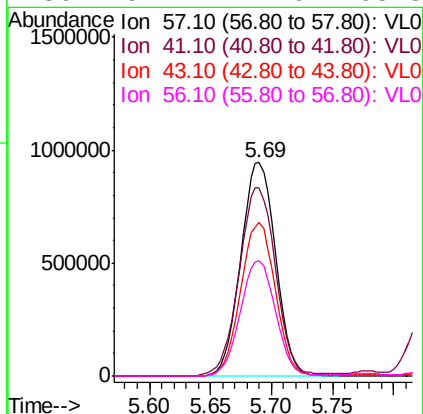
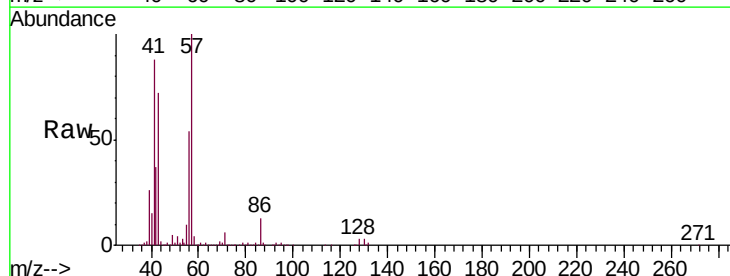
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

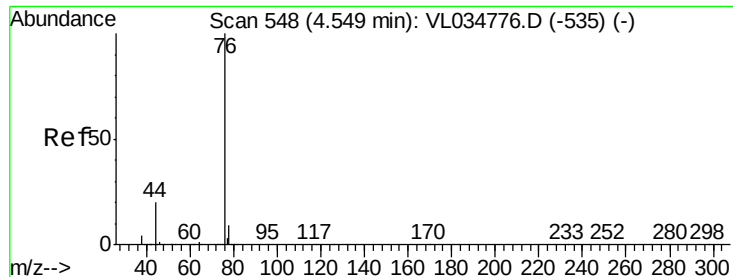
Tgt Ion: 43 Resp: 1321916
Ion Ratio Lower Upper
43 100
45 1.2 8.2 12.4#
61 0.0 7.5 11.3#
70 1.7 6.0 9.0#



#26
Hexane
Concen: 44.763 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

Tgt Ion: 57 Resp: 1855903
Ion Ratio Lower Upper
57 100
41 92.9 72.0 108.0
43 71.2 179.1 268.7#
56 54.7 42.6 63.8





#27

Carbon Disulfide

Concen: 1.276 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4

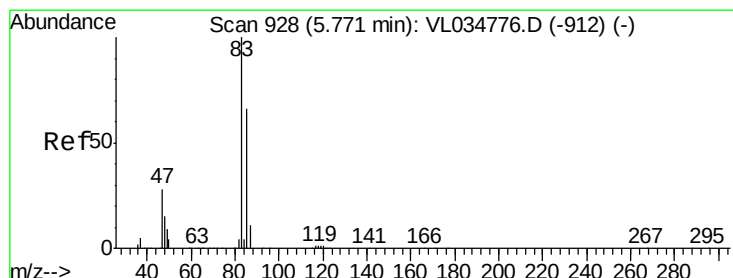
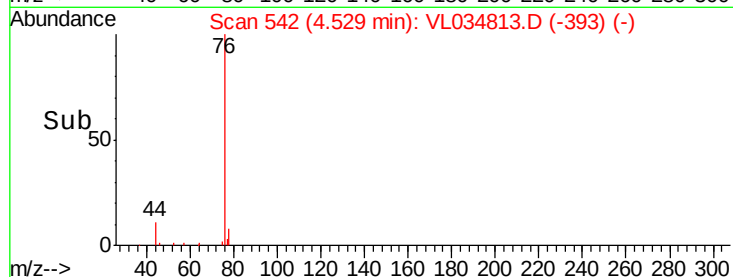
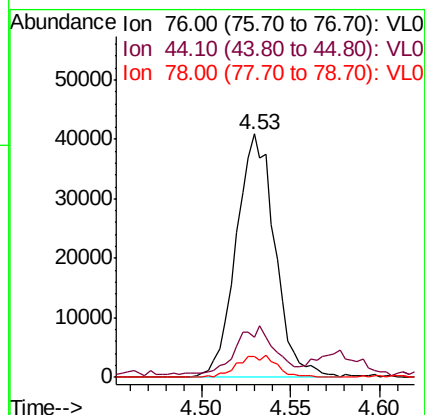
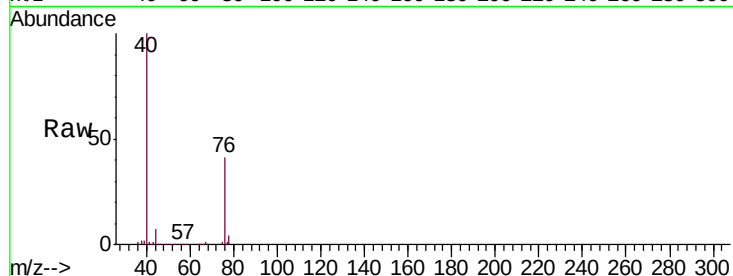
Tgt Ion: 76 Resp: 61812

Ion Ratio Lower Upper

76 100

44 20.9 16.1 24.1

78 9.2 7.5 11.3



#29

Chloroform

Concen: 0.122 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.02 min

Lab File: VL034813.D

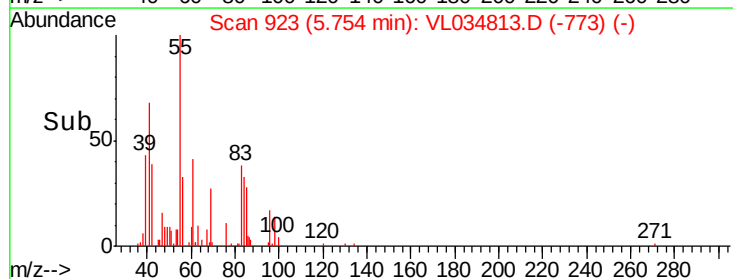
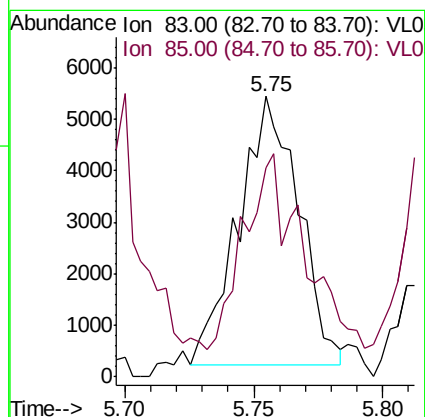
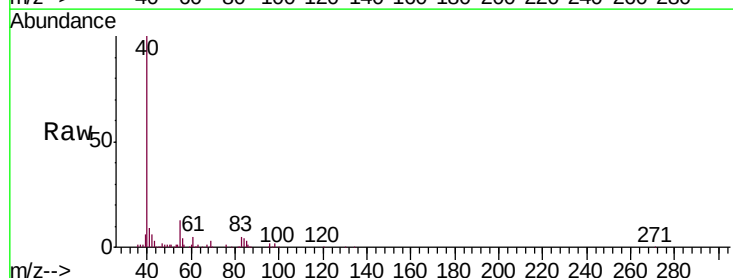
Acq: 6 Mar 2020 3:27

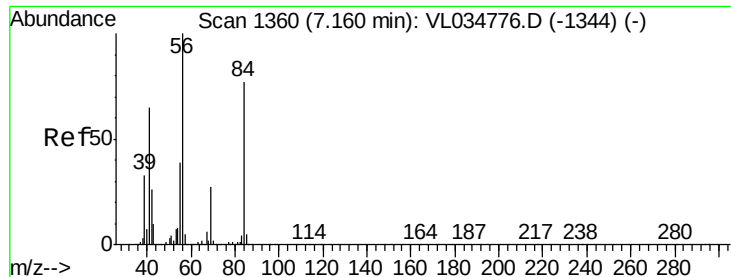
Tgt Ion: 83 Resp: 8514

Ion Ratio Lower Upper

83 100

85 63.4 53.0 79.4

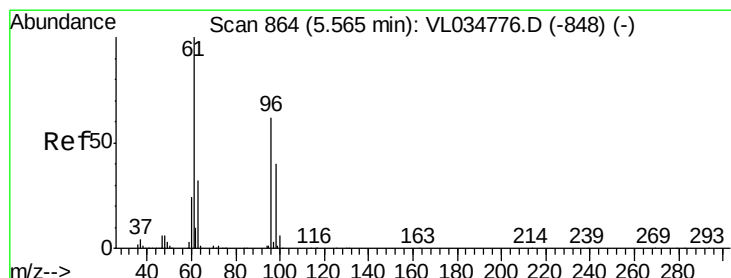
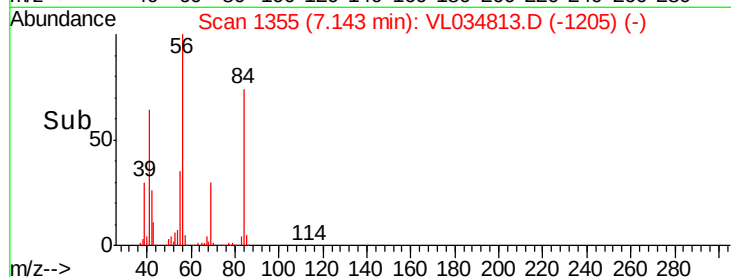
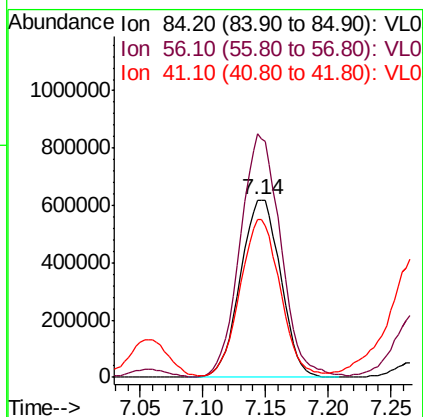
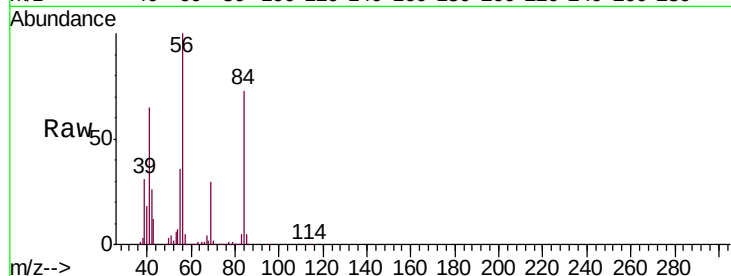




#30
Cyclohexane
Concen: 43.605 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.02 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

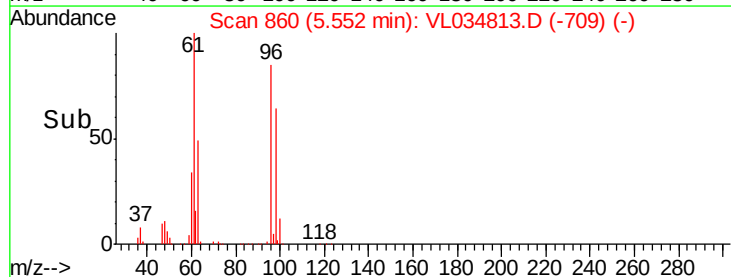
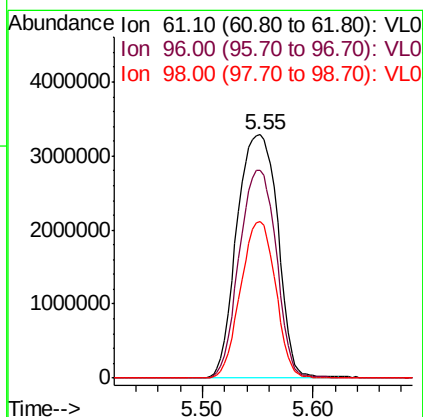
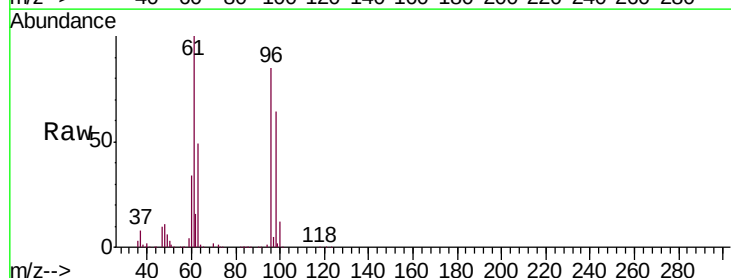
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

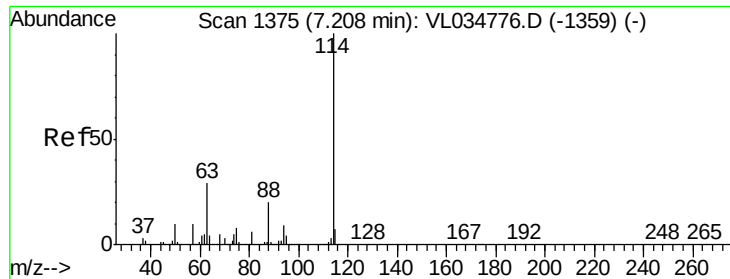
Tgt Ion: 84 Resp: 1383135
Ion Ratio Lower Upper
84 100
56 137.3 113.2 169.8
41 86.9 70.2 105.4



#31
cis-1,2-Dichloroethene
Concen: 198.702 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

Tgt Ion: 61 Resp: 8449874
Ion Ratio Lower Upper
61 100
96 85.3 49.7 74.5#
98 64.4 31.9 47.9#

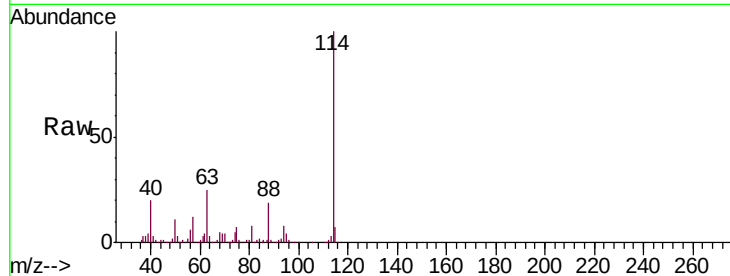




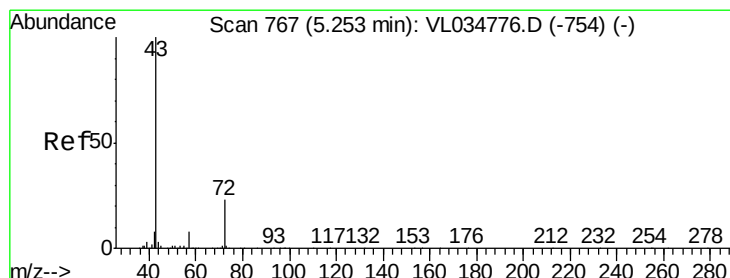
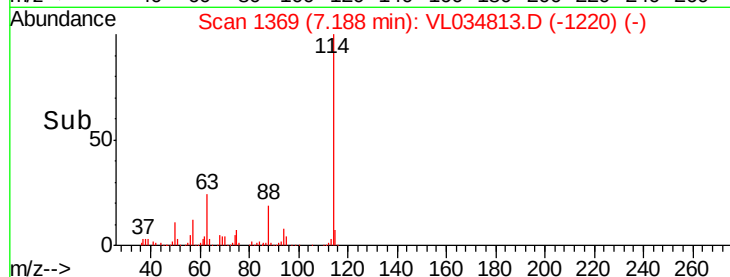
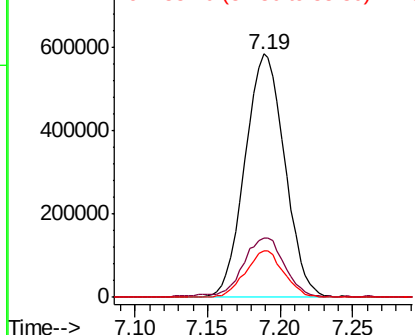
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4

Tgt Ion:114 Resp: 1117096
 Ion Ratio Lower Upper
 114 100
 63 26.4 23.6 35.4
 88 18.3 15.8 23.8

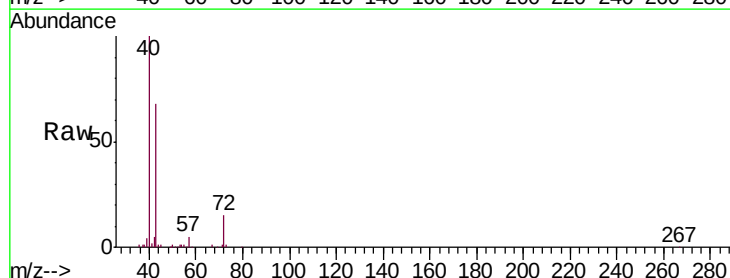


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

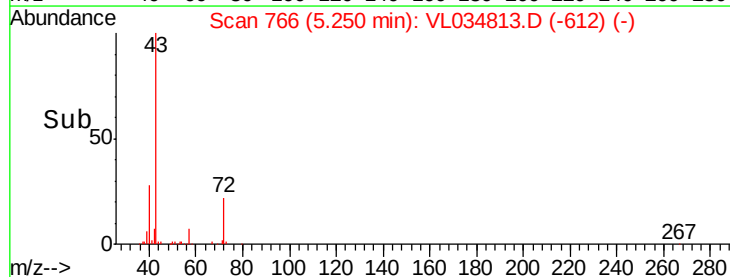
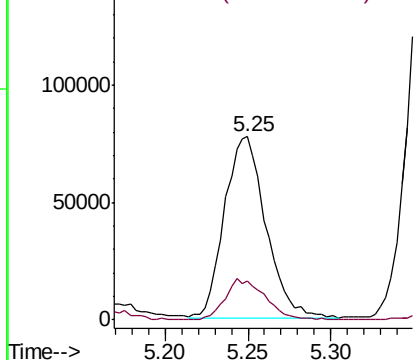


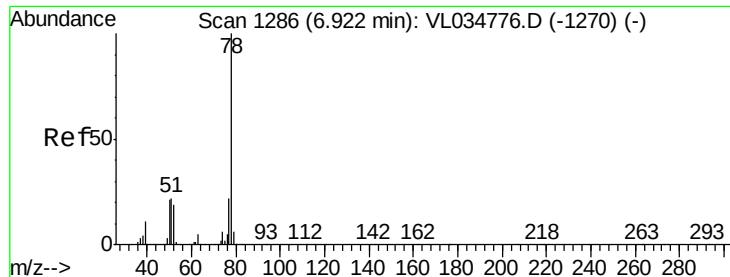
#34
 2-Butanone
 Concen: 1.853 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Tgt Ion: 43 Resp: 134664
 Ion Ratio Lower Upper
 43 100
 72 21.9 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: 16.993 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4

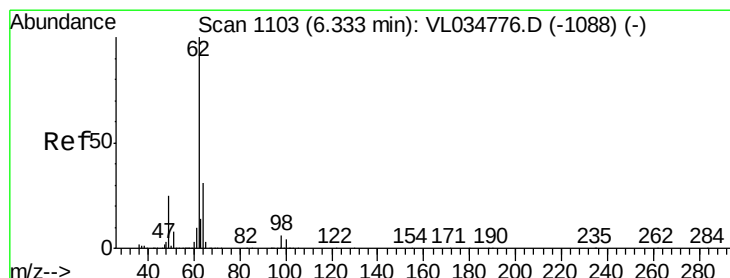
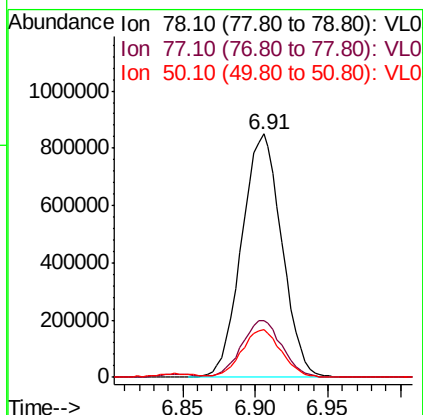
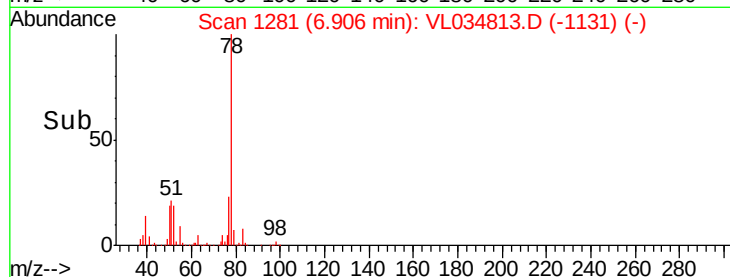
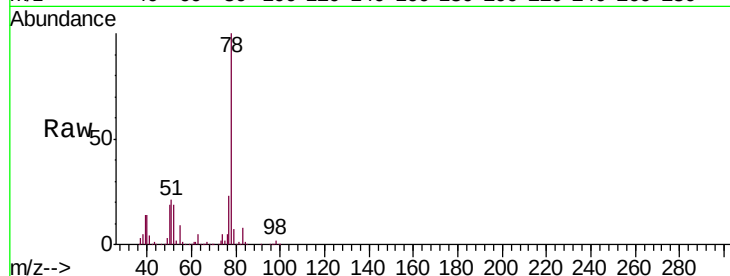
Tgt Ion: 78 Resp: 1622088

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

50 19.4 16.9 25.3



#37

1,2-Dichloroethane

Concen: 0.100 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VL034813.D

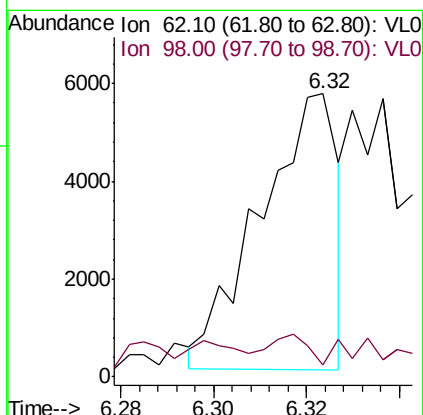
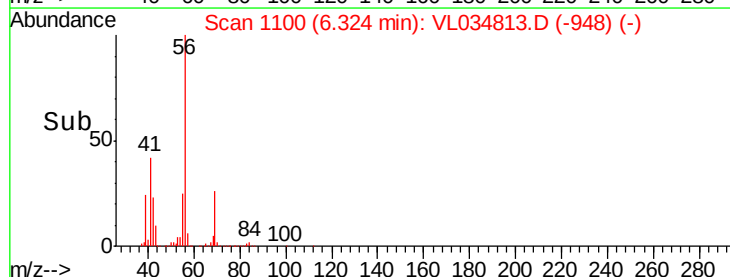
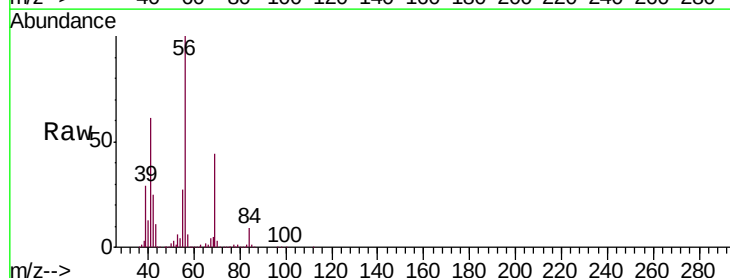
Acq: 6 Mar 2020 3:27

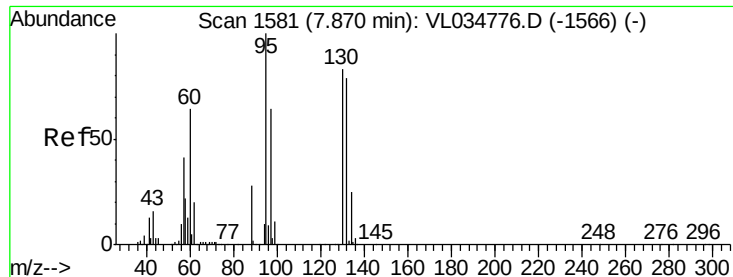
Tgt Ion: 62 Resp: 6540

Ion Ratio Lower Upper

62 100

98 0.0 4.4 6.6#





#38

Trichloroethene

Concen: 43.640 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4

Tgt Ion:130 Resp: 1623580

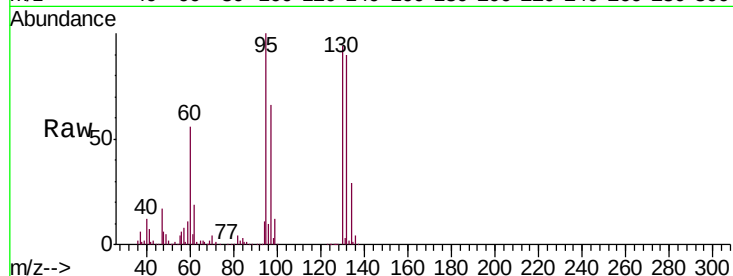
Ion Ratio Lower Upper

130 100

95 105.8 95.8 143.8

132 95.6 76.1 114.1

97 69.4 61.1 91.7

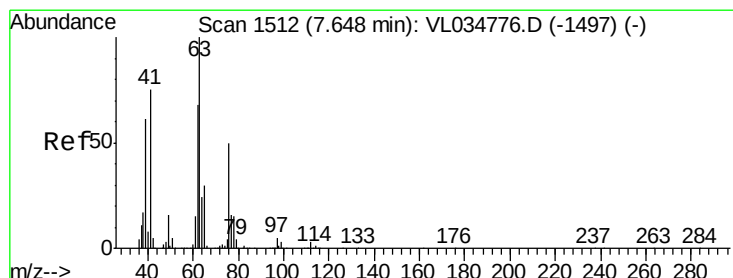
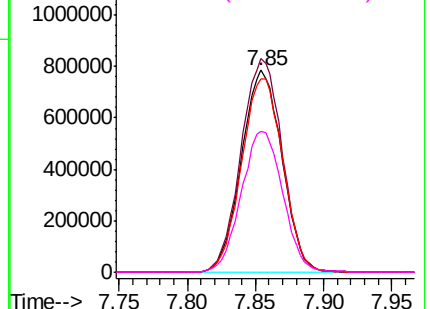
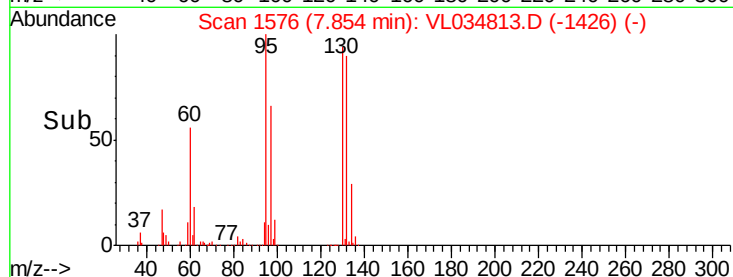


Abundance Ion 130.00 (129.70 to 130.70): V

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: 1.587 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

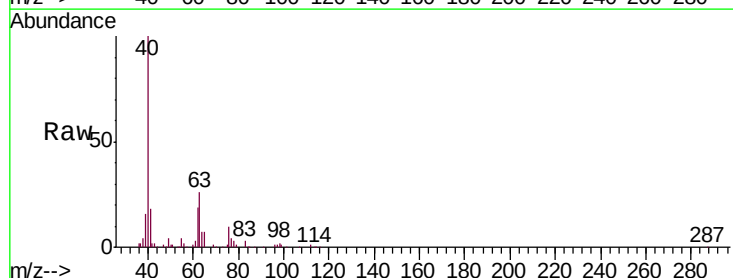
Tgt Ion: 63 Resp: 61143

Ion Ratio Lower Upper

63 100

41 65.3 60.3 90.5

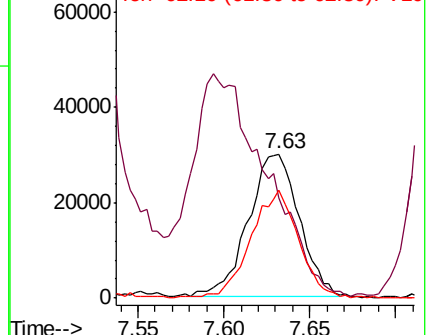
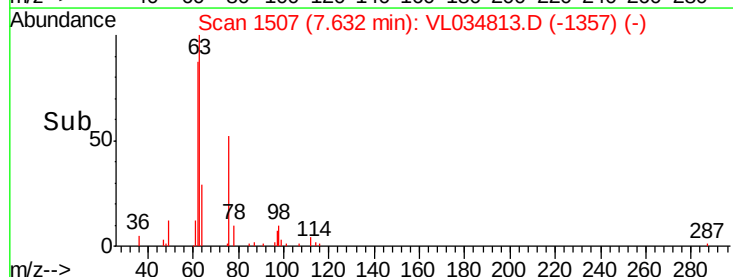
62 75.0 54.5 81.7

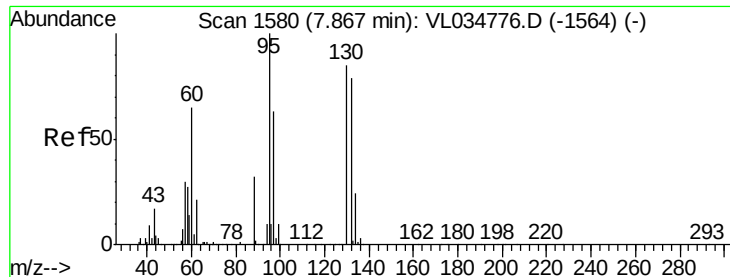


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#40

1,4-Dioxane

Concen: 0.151 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4

Tgt Ion: 88 Resp: 2014

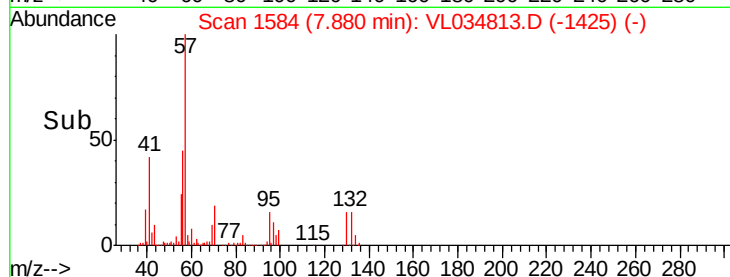
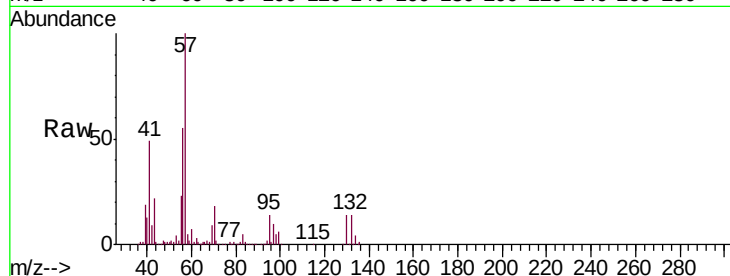
Ion Ratio Lower Upper

88 100

58 0.0 110.6 166.0#

43 17067.4 0.0 0.0#

57 0.0 0.0 0.0

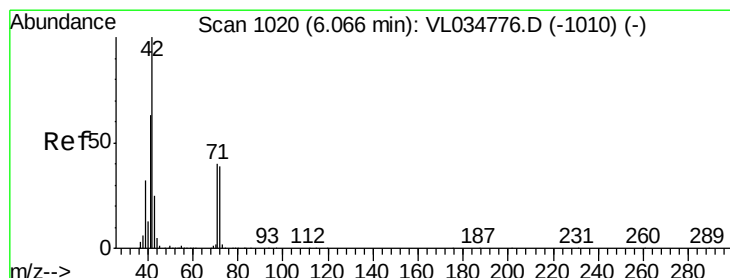
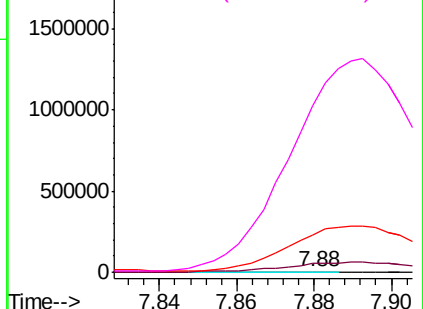


Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#41

Tetrahydrofuran

Concen: 1.547 ppbv

RT: 6.12 min Scan# 1036

Delta R.T. 0.05 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

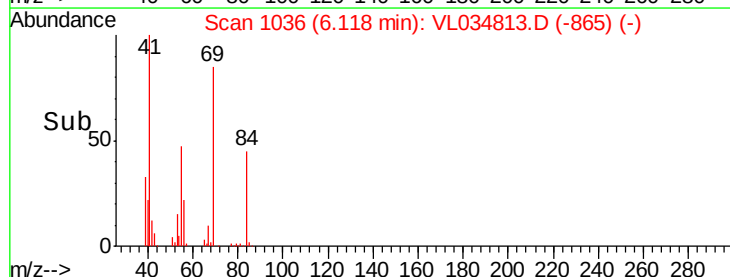
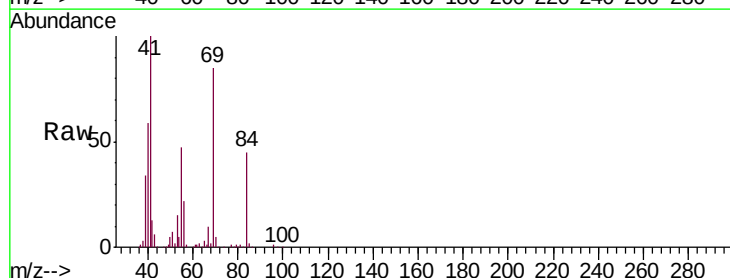
Tgt Ion: 42 Resp: 57348

Ion Ratio Lower Upper

42 100

72 6.7 32.0 48.0#

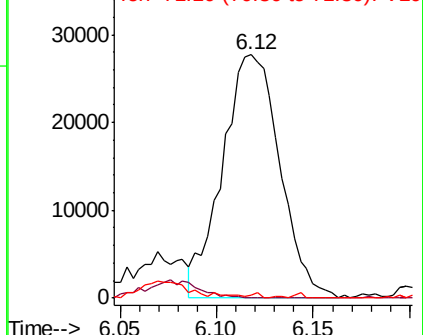
71 6.3 31.3 46.9#

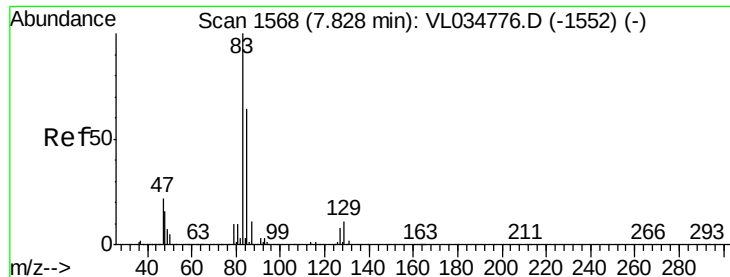


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 1.789 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleID :

SS-2-4

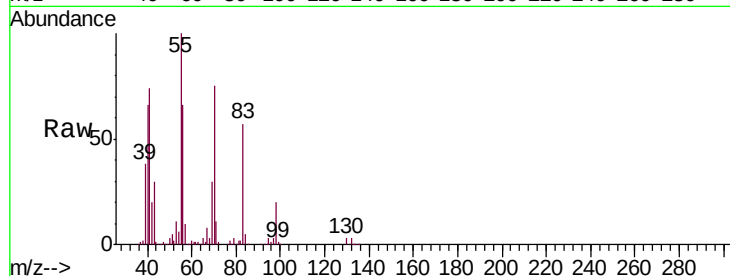
Tgt Ion: 83 Resp: 147617

Ion Ratio Lower Upper

83 100

85 0.2 50.8 76.2#

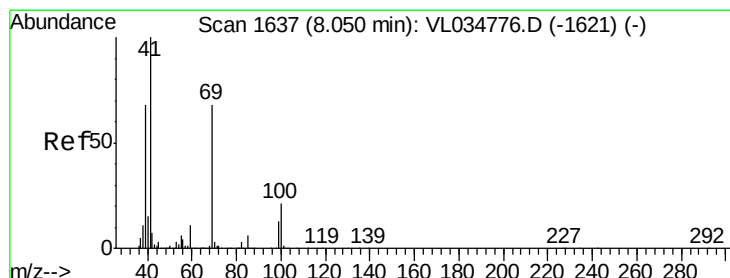
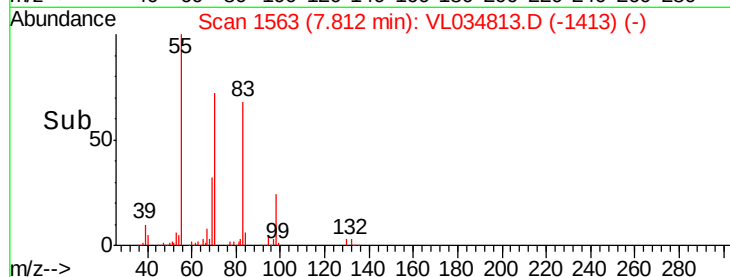
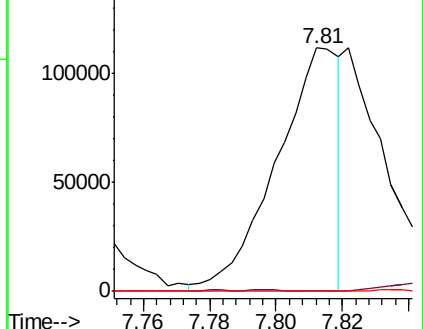
127 0.0 6.5 9.7#



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: 0.623 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.04 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

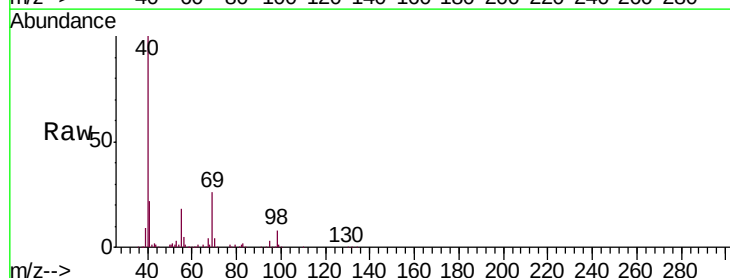
Tgt Ion: 69 Resp: 25220

Ion Ratio Lower Upper

69 100

41 233.9 121.6 182.4#

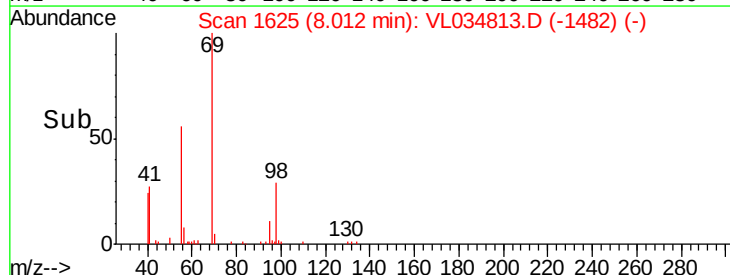
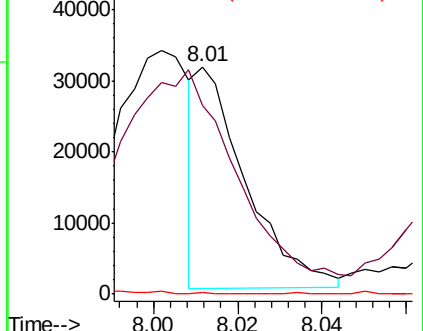
100 0.0 23.8 35.8#

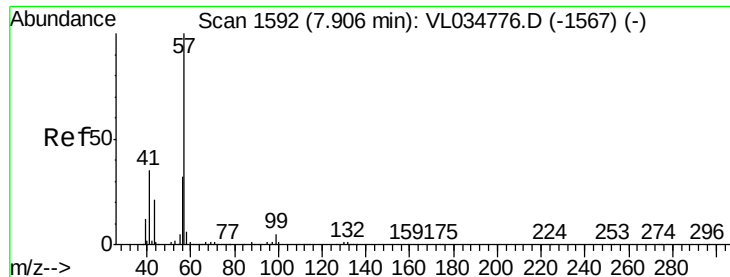


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 18.635 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4

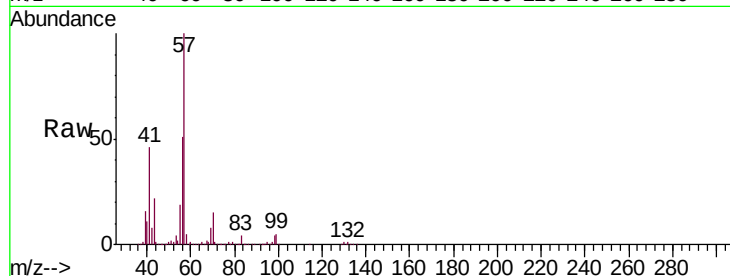
Tgt Ion: 57 Resp: 3108634

Ion Ratio Lower Upper

57 100

41 46.2 27.4 41.0#

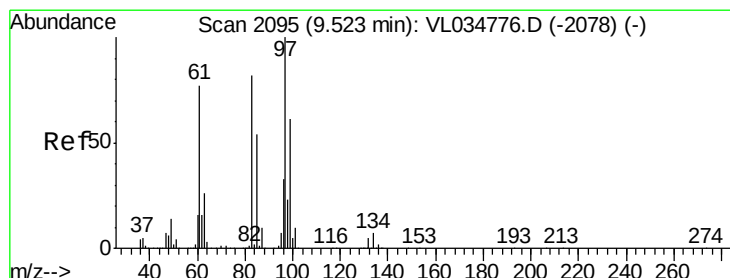
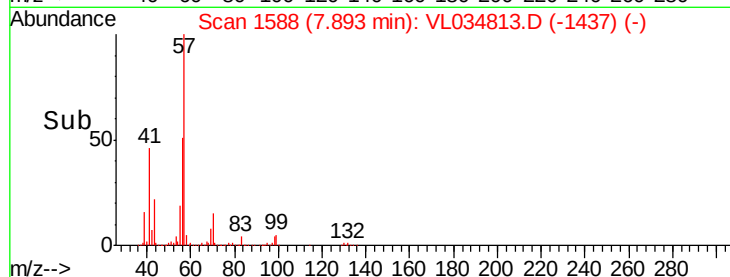
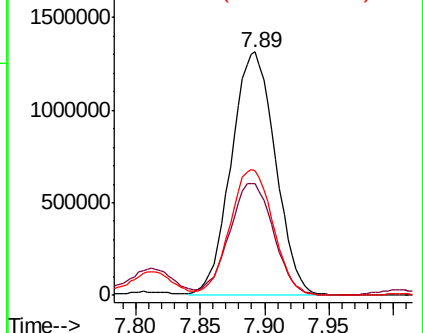
56 50.9 25.0 37.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#47

1,1,2-Trichloroethane

Concen: 0.219 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. -0.05 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Tgt Ion: 97 Resp: 8907

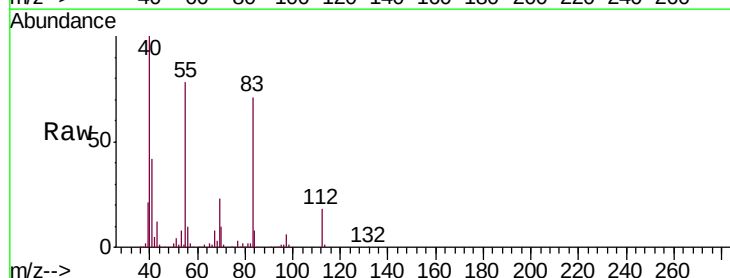
Ion Ratio Lower Upper

97 100

83 1053.0 65.2 97.8#

85 3.8 43.6 65.4#

99 0.0 48.9 73.3#

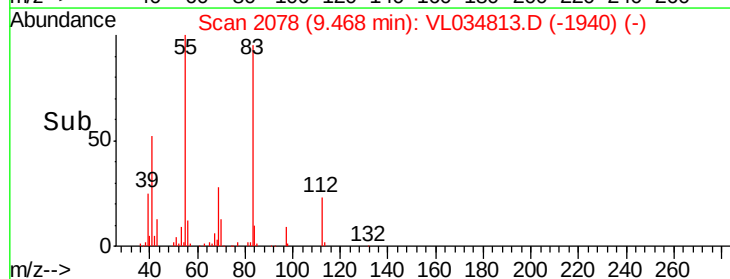
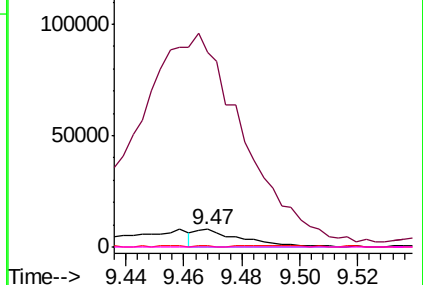


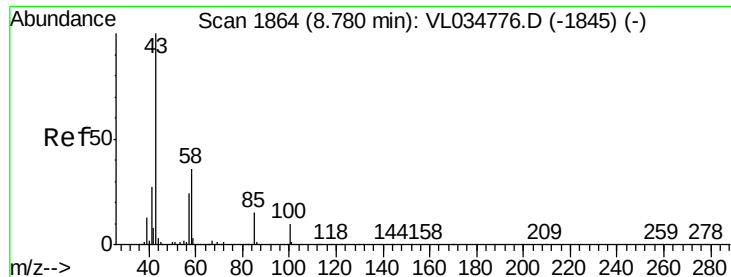
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

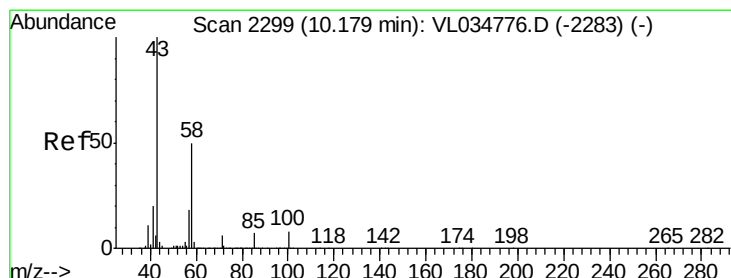
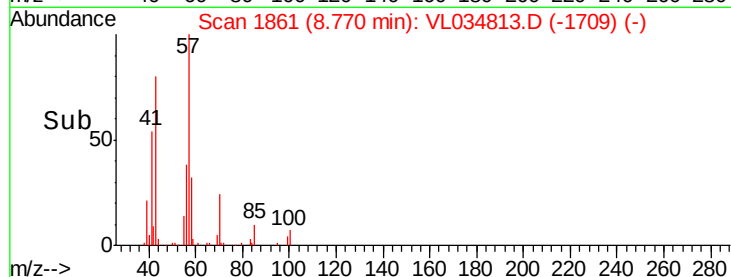
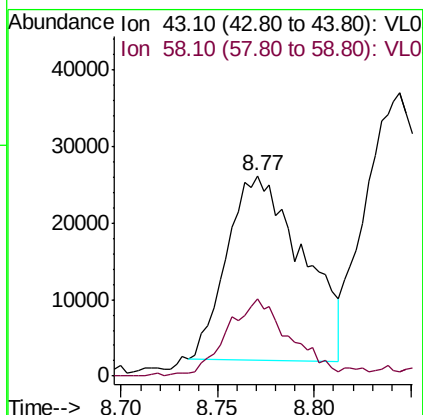
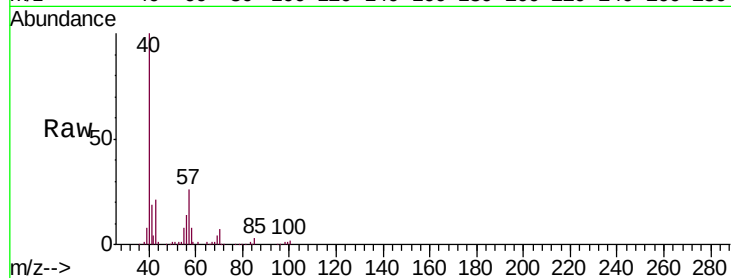




#50
 4-Methyl-2-Pentanone
 Concen: 0.627 ppbv
 RT: 8.77 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

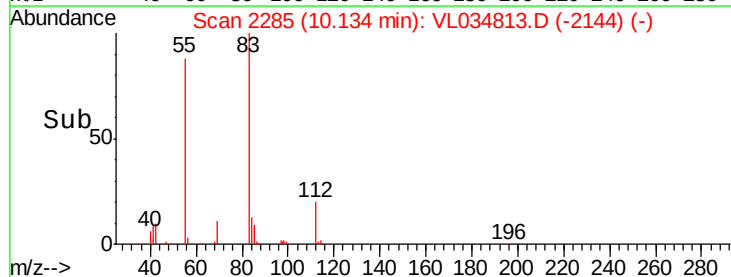
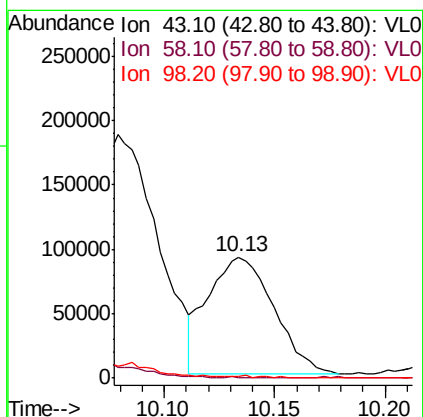
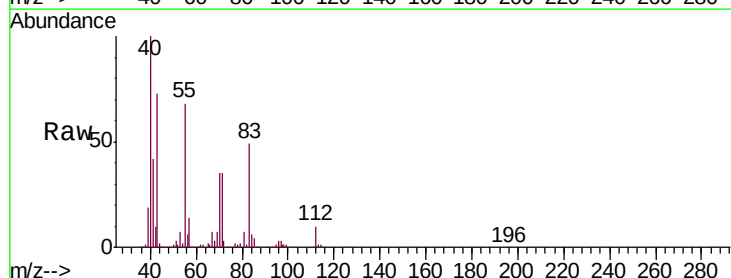
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4

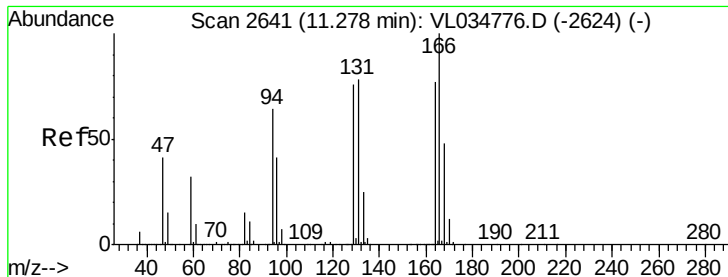
Tgt Ion: 43 Resp: 65253
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.7 43.1



#51
 2-Hexanone
 Concen: 2.293 ppbv
 RT: 10.13 min Scan# 2285
 Delta R.T. -0.05 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Tgt Ion: 43 Resp: 187318
 Ion Ratio Lower Upper
 43 100
 58 0.7 38.6 58.0#
 98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 16.955 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.03 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

SS-2-4

Tgt Ion:164 Resp: 597935

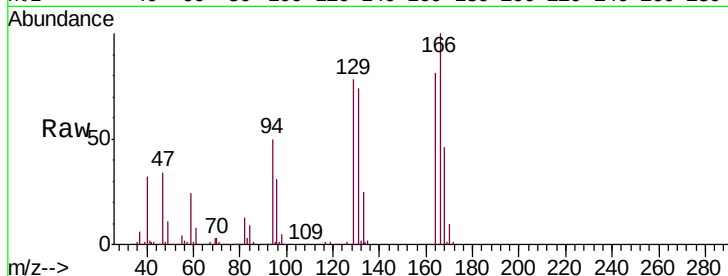
Ion Ratio Lower Upper

164 100

166 124.1 103.3 154.9

129 97.1 79.0 118.4

131 91.5 81.0 121.4

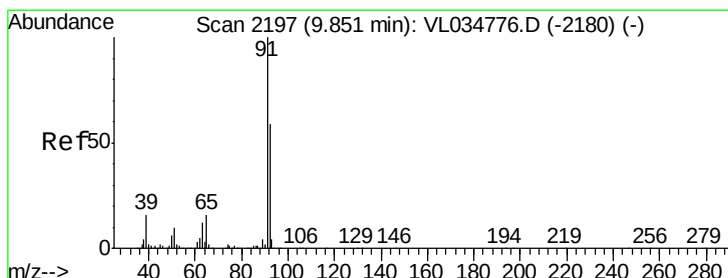
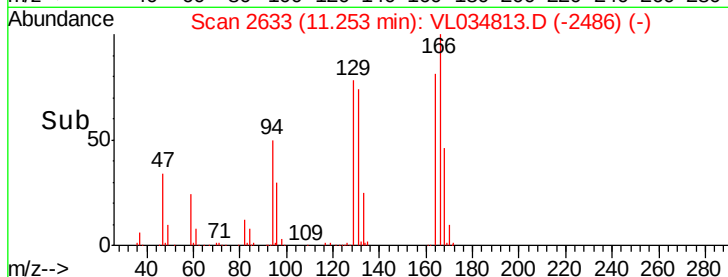
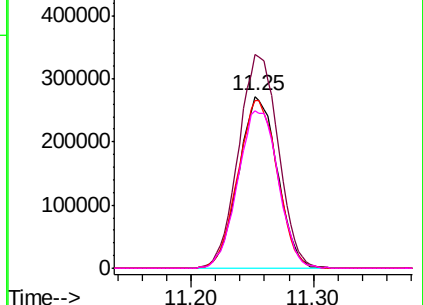


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.216 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL034813.D

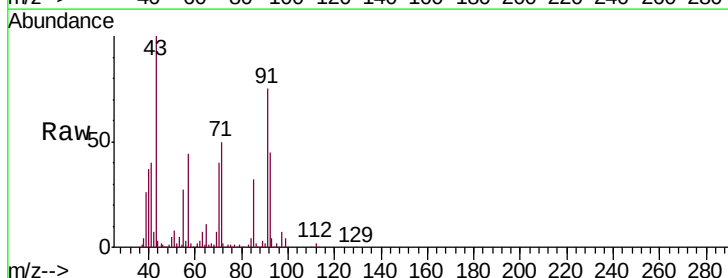
Acq: 6 Mar 2020 3:27

Tgt Ion: 91 Resp: 526924

Ion Ratio Lower Upper

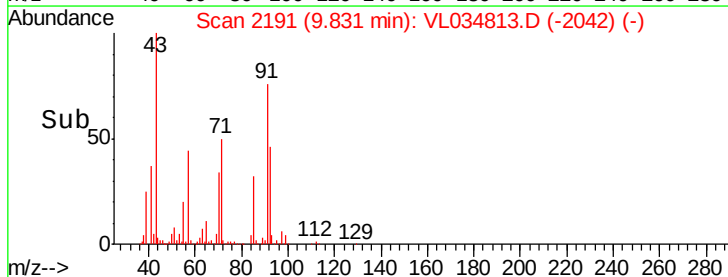
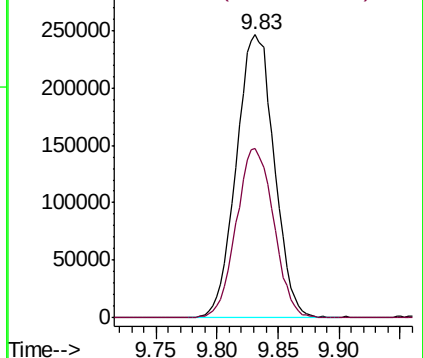
91 100

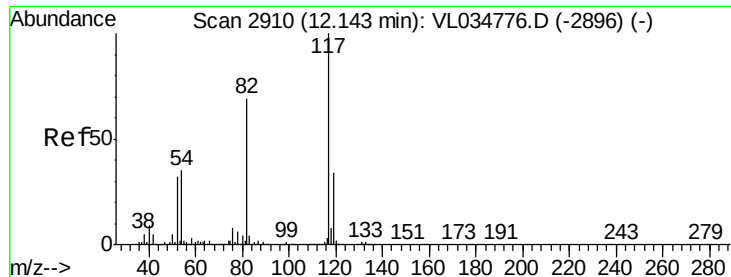
92 59.3 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

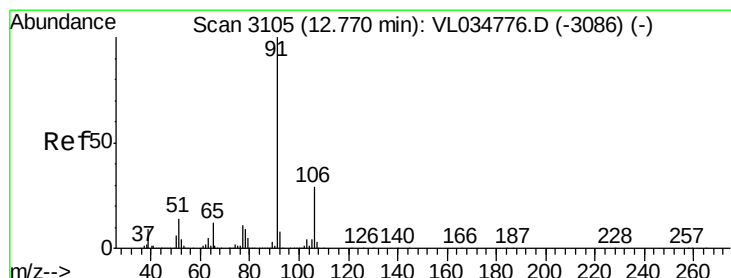
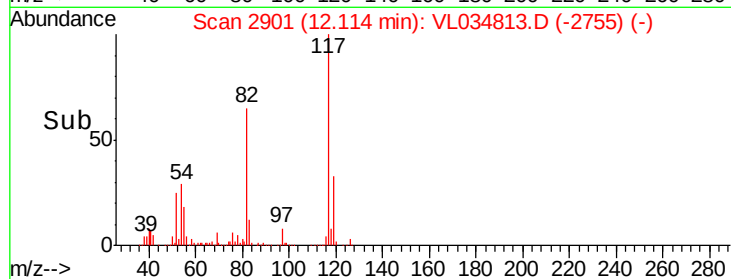
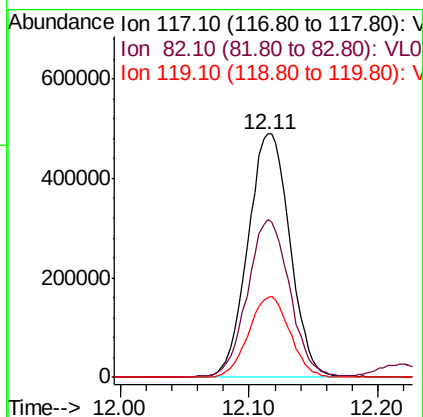
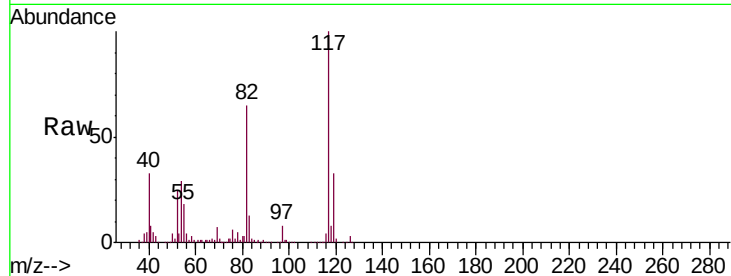




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.03 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

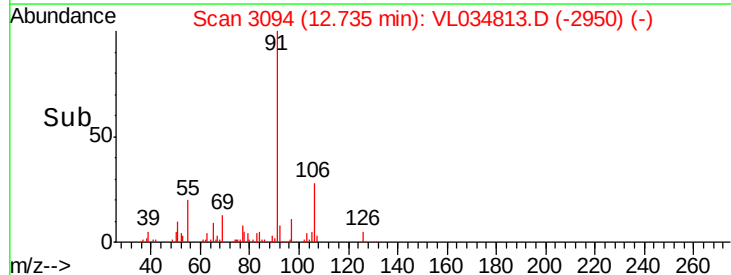
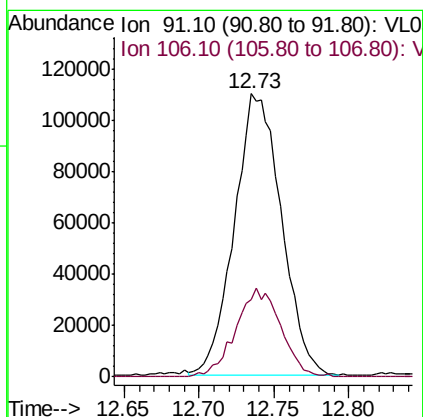
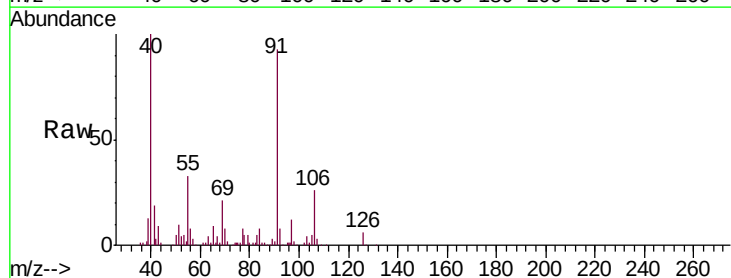
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

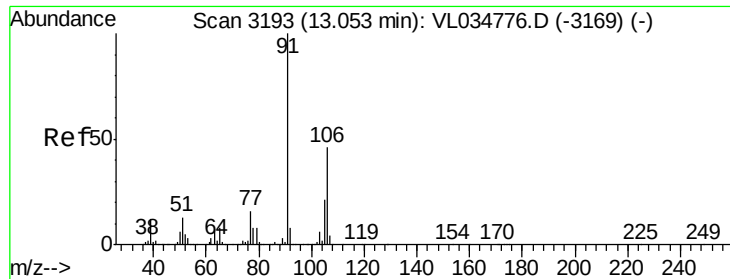
Tgt Ion: 117 Resp: 1111611
Ion Ratio Lower Upper
117 100
82 65.4 53.9 80.9
119 32.7 25.0 37.4



#58
Ethyl Benzene
Concen: 1.740 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.04 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

Tgt Ion: 91 Resp: 238362
Ion Ratio Lower Upper
91 100
106 27.7 22.8 34.2

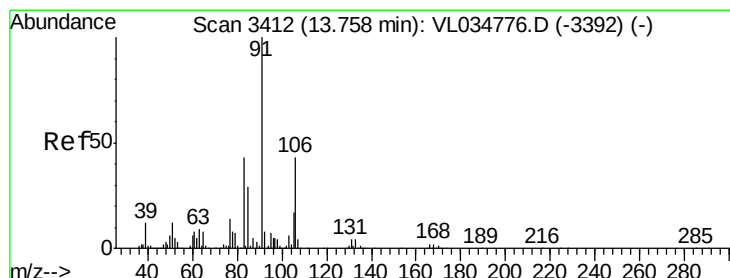
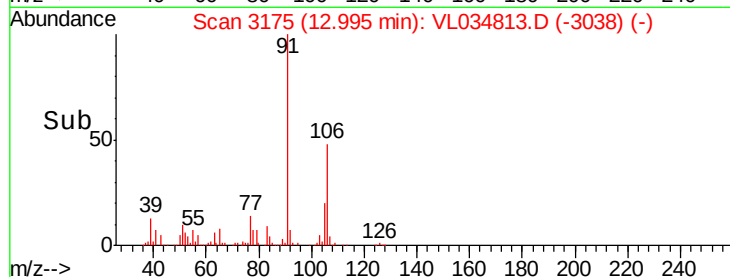
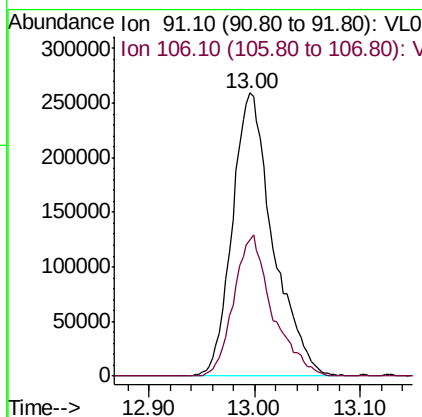
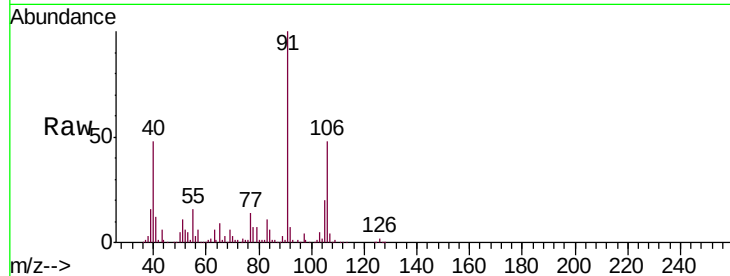




#59
m/p-Xylene
Concen: 5.814 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.06 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

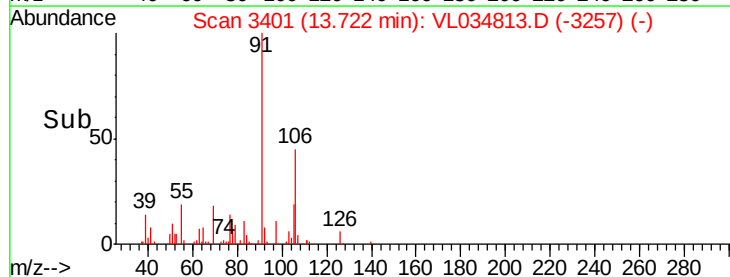
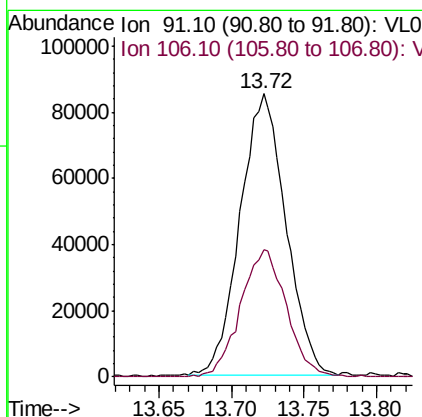
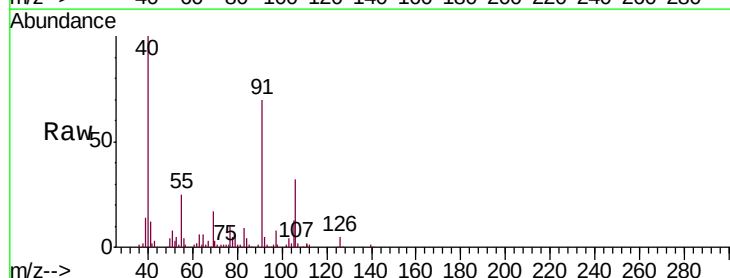
Instrument :
MSVOA_L
ClientSampleId :
SS-2-4

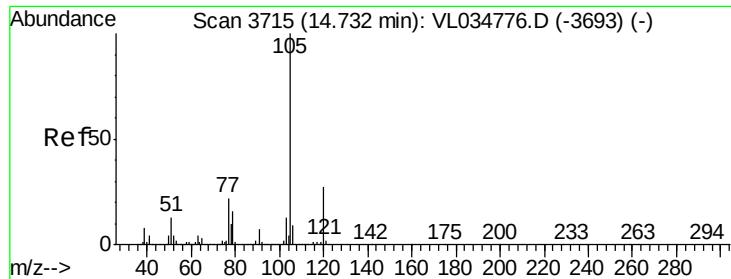
Tgt Ion: 91 Resp: 689394
Ion Ratio Lower Upper
91 100
106 47.7 35.8 53.8



#60
o-Xylene
Concen: 1.559 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VL034813.D
Acq: 6 Mar 2020 3:27

Tgt Ion: 91 Resp: 187058
Ion Ratio Lower Upper
91 100
106 45.1 21.7 65.1





#62

Isopropylbenzene

Concen: 0.102 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.03 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

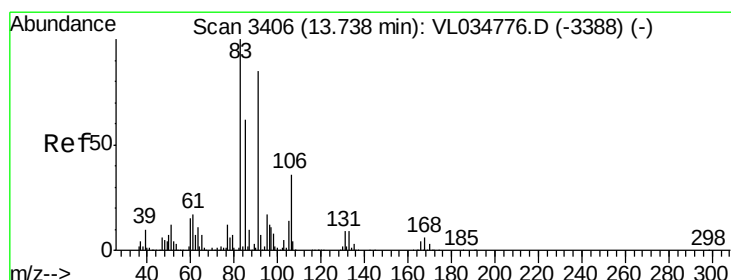
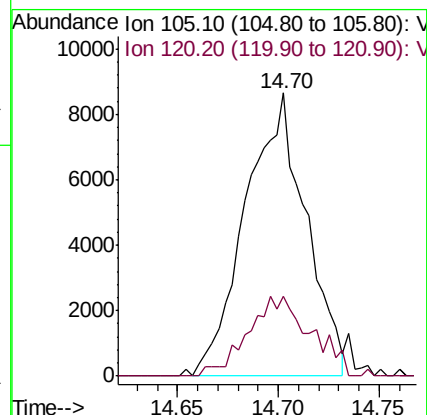
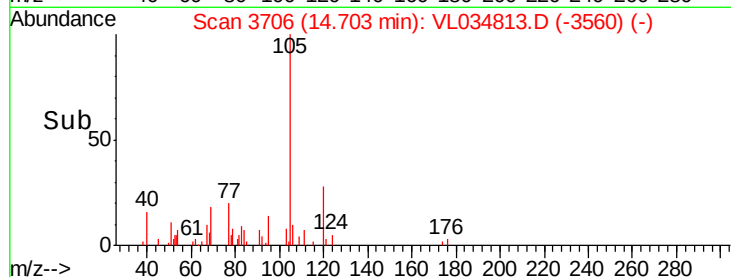
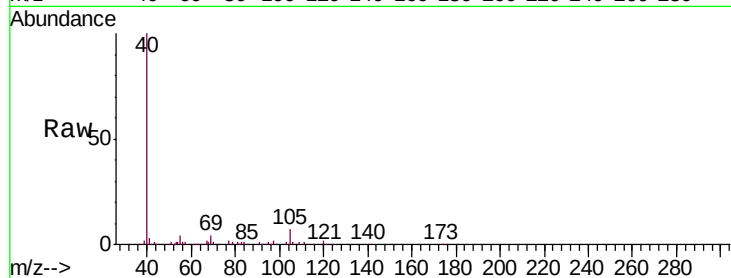
SS-2-4

Tgt Ion:105 Resp: 17997

Ion Ratio Lower Upper

105 100

120 29.4 20.5 30.7



#63

1,1,2,2-Tetrachloroethane

Concen: 0.069 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.03 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

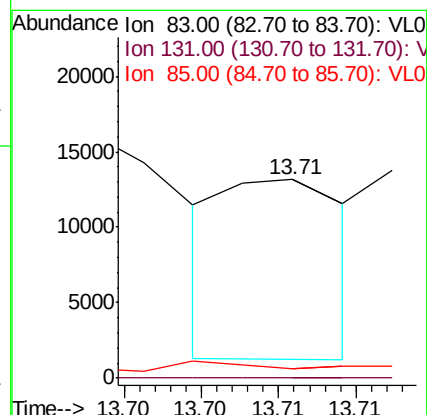
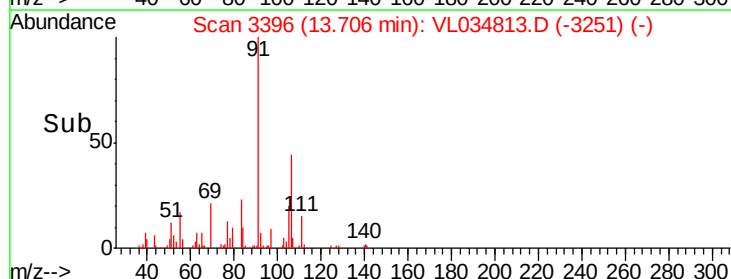
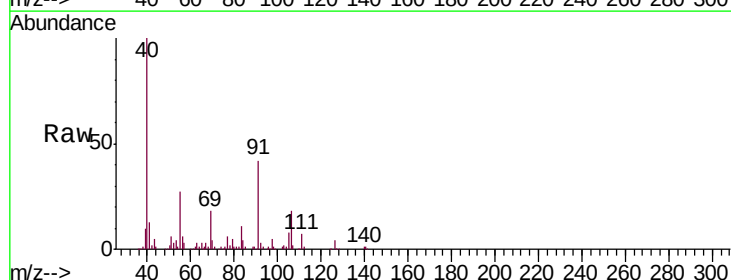
Tgt Ion: 83 Resp: 6538

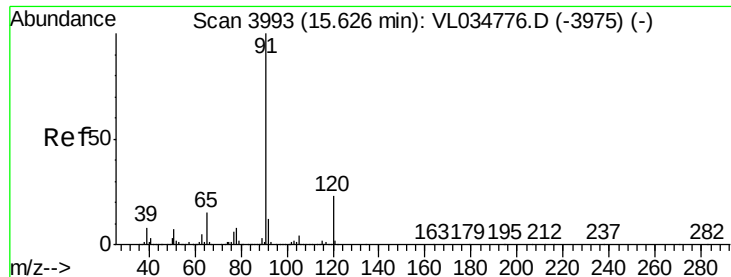
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 31.2 32.9 98.7#





#64

n-propylbenzene

Concen: 0.034 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. -0.03 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

Instrument :

MSVOA_L

ClientSampleId :

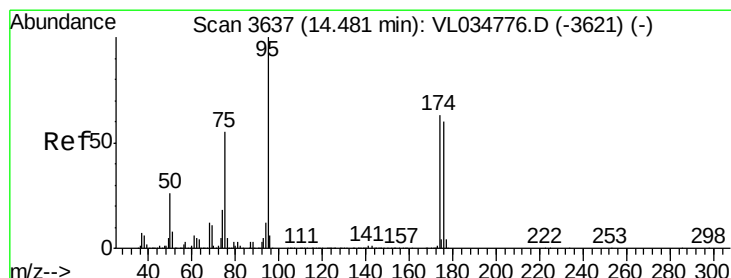
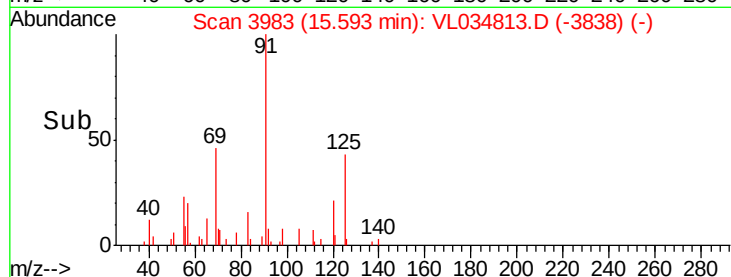
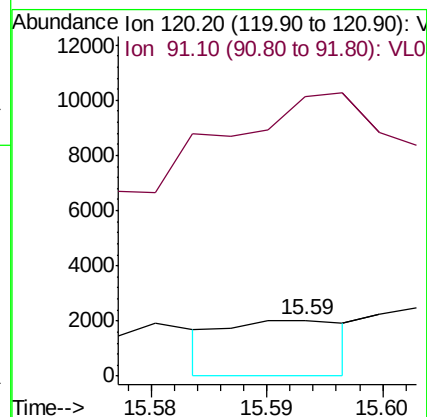
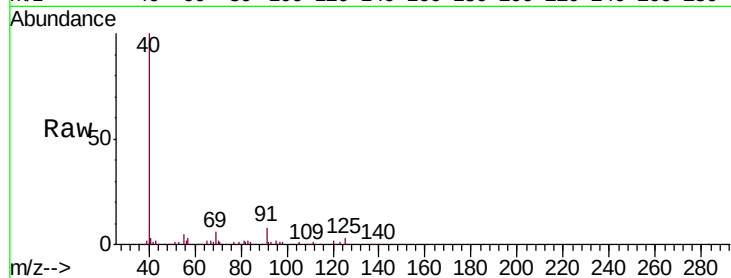
SS-2-4

Tgt Ion:120 Resp: 1484

Ion Ratio Lower Upper

120 100

91 1722.6 379.4 569.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.858 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.03 min

Lab File: VL034813.D

Acq: 6 Mar 2020 3:27

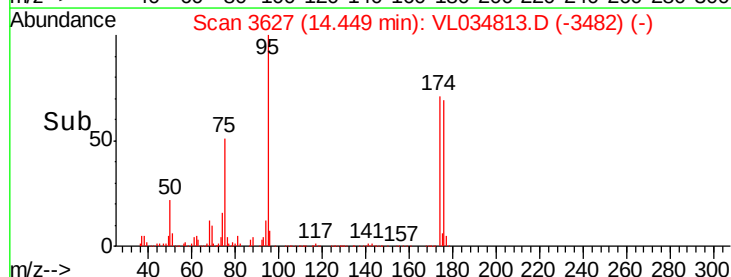
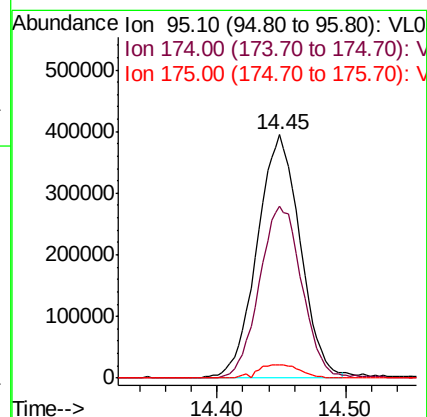
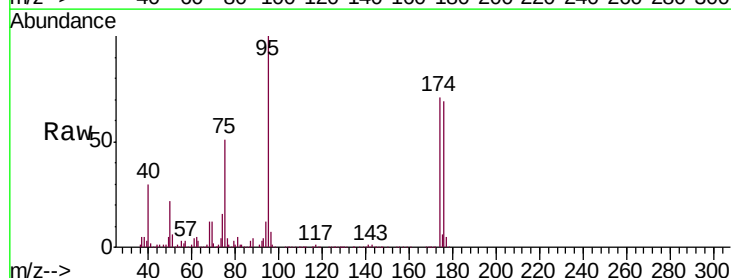
Tgt Ion: 95 Resp: 913724

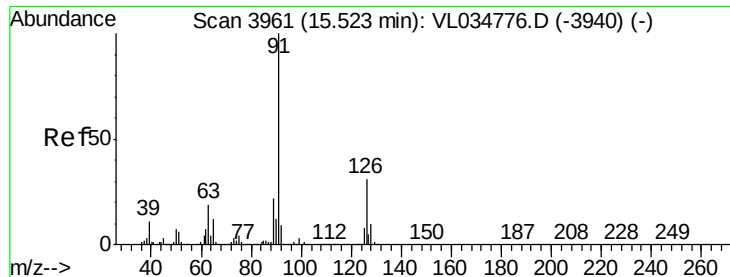
Ion Ratio Lower Upper

95 100

174 70.7 50.6 76.0

175 5.6 3.8 5.6

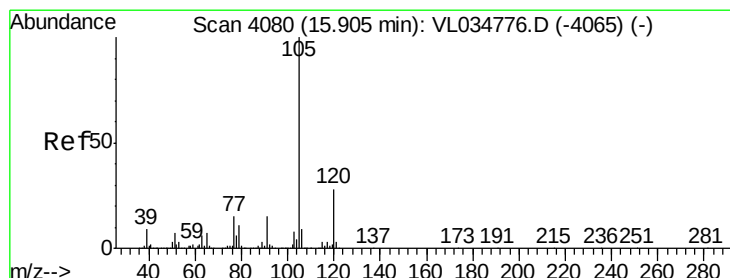
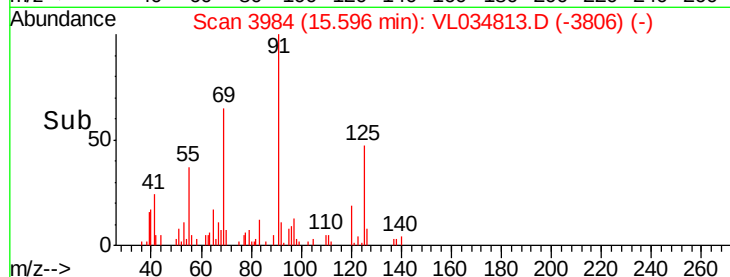
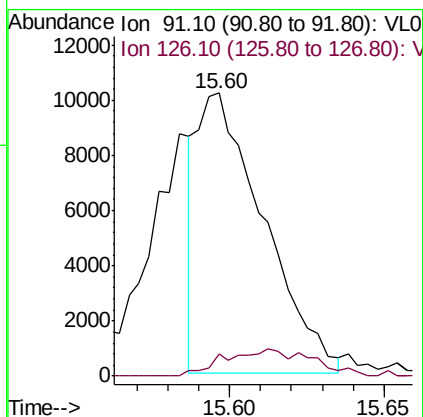
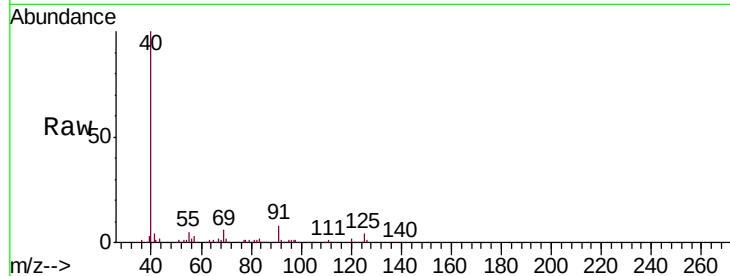




#71
 2-Chlorotoluene
 Concen: 0.113 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.07 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

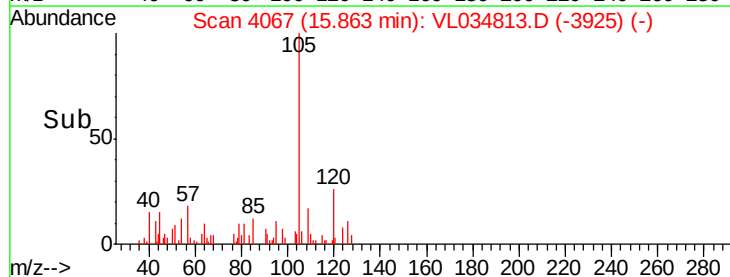
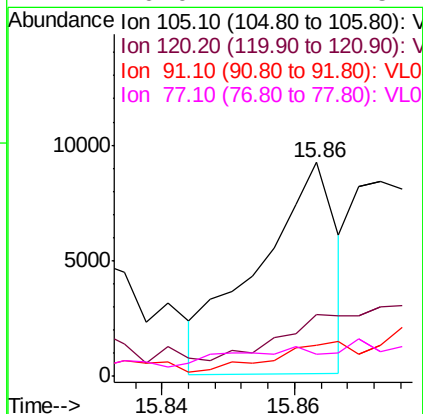
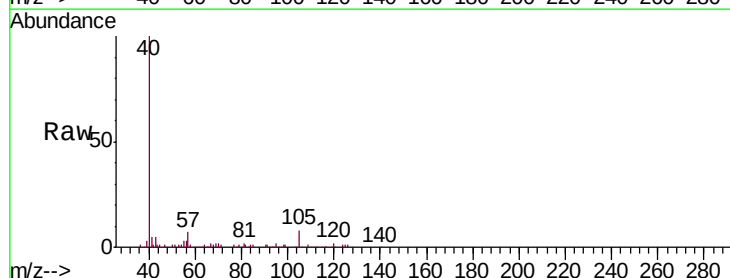
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2-4

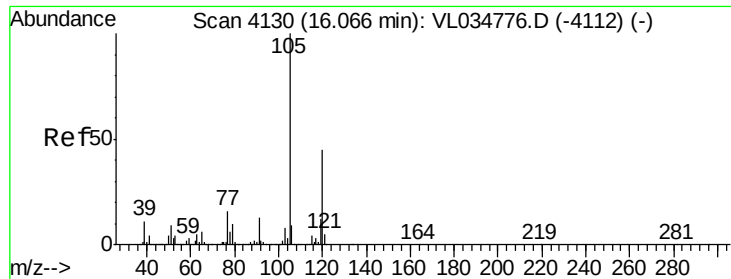
Tgt Ion: 91 Resp: 15053
 Ion Ratio Lower Upper
 91 100
 126 13.1 11.7 46.7



#72
 4-Ethyltoluene
 Concen: 0.056 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.04 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Tgt Ion: 105 Resp: 7526
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 34.6#
 91 0.0 11.1 16.7#
 77 0.0 12.2 18.4#

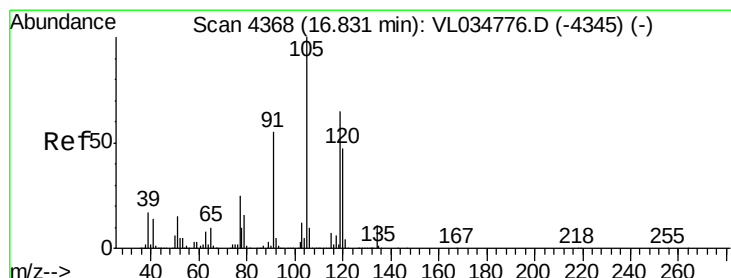
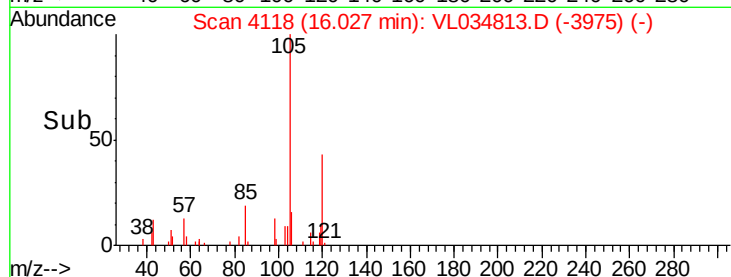
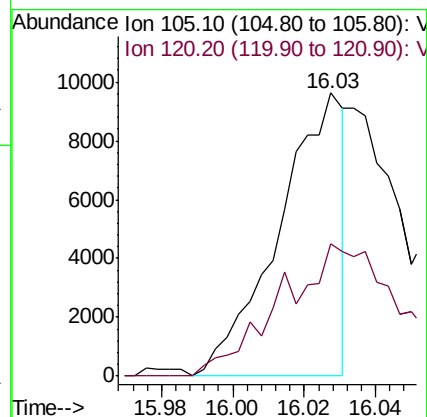
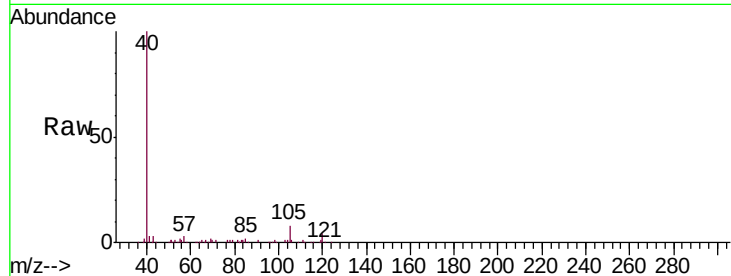




#73
 1,3,5-Trimethylbenzene
 Concen: 0.095 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.04 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2-4

Tgt Ion:105 Resp: 12137
 Ion Ratio Lower Upper
 105 100
 120 46.8 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.158 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.04 min
 Lab File: VL034813.D
 Acq: 6 Mar 2020 3:27

Tgt Ion:105 Resp: 22013
 Ion Ratio Lower Upper
 105 100
 120 41.7 37.8 56.6
 91 13.3 43.8 65.8#
 77 17.2 19.9 29.9#

