

Data File : VL034724.D
Acq On : 28 Feb 2020 1:16
Operator : SY/AP
Sample : L1661-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

Quant Time: Feb 28 03:29:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1089816	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2285536	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2279652	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1914410	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	237783	1.383	ppbv	97
3) Chlorodifluoromethane	2.93	51	5764067	49.009	ppbv #	61
4) Chloromethane	3.02	50	36518	0.555	ppbv #	43
7) Chloroethane	3.52	64	695	0.029	ppbv #	71
9) Propene	3.17	41	245245	4.988	ppbv	100
10) Heptane	8.14	43	54026	0.427	ppbv	98
11) Trichlorofluoromethane	3.93	101	43826	0.291	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2962	0.028	ppbv #	15
13) Ethanol	3.59	45	2492601	160.493	ppbv	97
15) Acetone	3.83	43	1886581	15.192	ppbv	100
16) 1,3-Butadiene	3.27	39	28868	0.502	ppbv #	14
17) tert-Butyl alcohol	4.29	59	389747	4.096	ppbv	99
19) Isopropyl Alcohol	3.96	45	3325475	44.957	ppbv #	98
20) Methylene Chloride	4.33	84	26938	0.583	ppbv	92
21) Allyl Chloride	4.29	41	157991	1.923	ppbv #	67
22) trans-1,2-Dichloroethene	4.86	96	1394	0.030	ppbv #	44
23) Vinyl Acetate	5.06	43	64116	0.380	ppbv #	84
24) 1,1-Dichloroethane	5.00	63	4938	0.037	ppbv #	94
25) Ethyl Acetate	5.67	43	54487	0.248	ppbv #	66
26) Hexane	5.68	57	52411	0.517	ppbv #	79
27) Carbon Disulfide	4.54	76	4545	0.040	ppbv #	1
29) Chloroform	5.75	83	47640	0.295	ppbv	96
30) Cyclohexane	7.14	84	16802	0.214	ppbv #	71
31) cis-1,2-Dichloroethene	5.55	61	66414	0.666	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	6095	0.040	ppbv #	14
34) 2-Butanone	5.24	43	274120	1.905	ppbv	98
35) Carbon Tetrachloride	7.03	117	4990	0.033	ppbv #	57
36) Benzene	6.90	78	71810	0.364	ppbv	97
38) Trichloroethene	7.85	130	515131	6.770	ppbv	96
39) 1,2-Dichloropropane	7.18	63	641353	8.166	ppbv #	22
41) Tetrahydrofuran	6.05	42	131607	1.733	ppbv	98
44) 2,2,4-Trimethylpentane	7.88	57	178999	0.519	ppbv #	82
50) 4-Methyl-2-Pentanone	8.77	43	92021	0.452	ppbv	95
52) Tetrachloroethene	11.25	164	6797	0.094	ppbv #	51
53) Toluene	9.83	91	926442	4.413	ppbv	99
58) Ethyl Benzene	12.74	91	210217	0.762	ppbv	97
59) m/p-Xylene	13.00	91	661043	2.748	ppbv	100
60) o-Xylene	13.73	91	270346	1.133	ppbv	97
61) Styrene	13.57	104	11223	0.073	ppbv #	27
64) n-propylbenzene	15.60	120	14620	0.163	ppbv #	54
65) tert-Butylbenzene	16.80	119	14882	0.049	ppbv #	16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022720\
Quantitation Report (Not Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

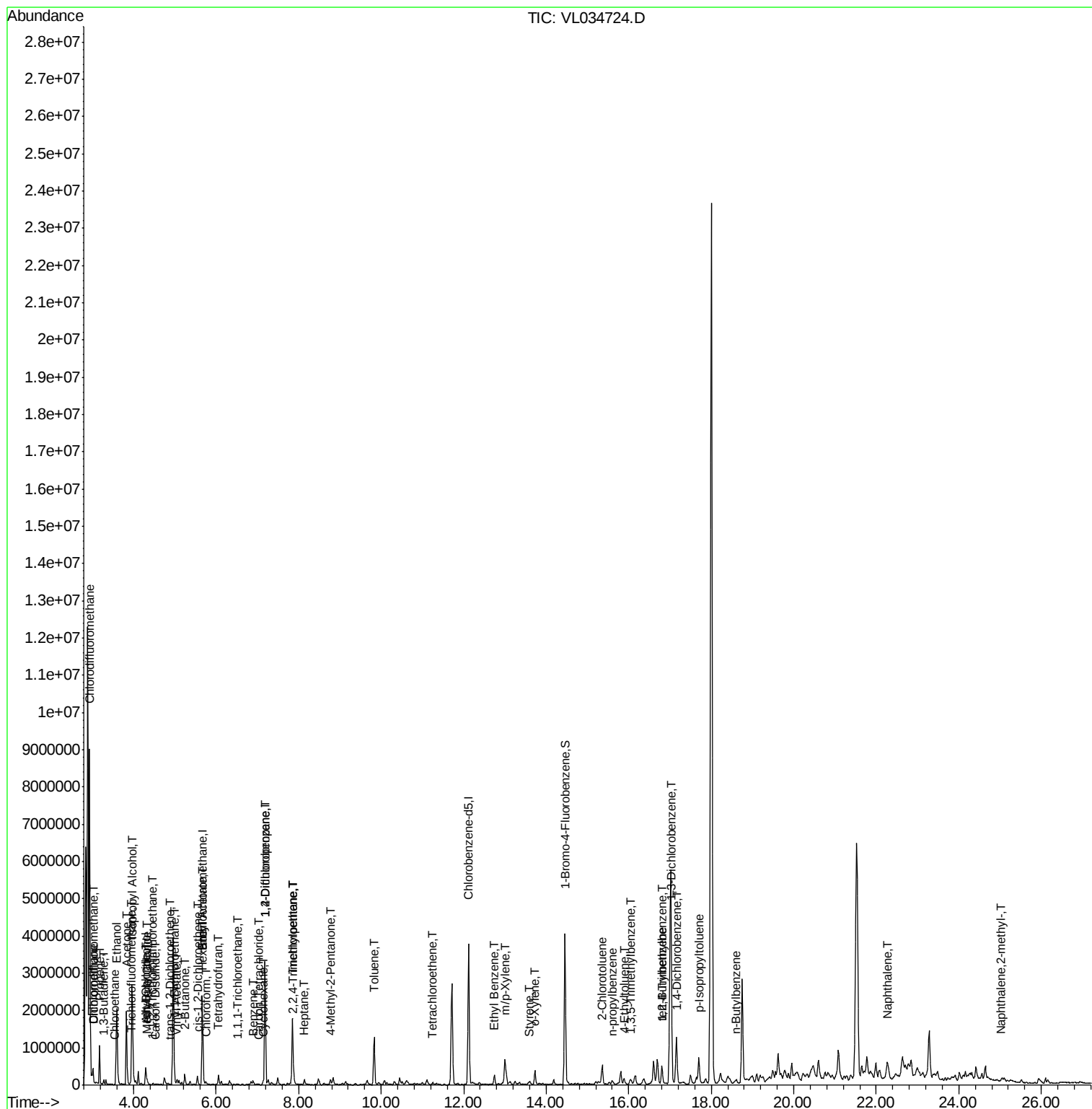
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.70	119	529522	1.487	ppbv	96
70) n-Butylbenzene	18.61	91	9980	0.026	ppbv #	1
71) 2-Chlorotoluene	15.37	91	29541	0.110	ppbv #	46
72) 4-Ethyltoluene	15.88	105	45314	0.171	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.04	105	76580	0.300	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	342000	1.212	ppbv #	67
75) 1,3-Dichlorobenzene	17.04	146	4178	0.026	ppbv #	22
76) 1,4-Dichlorobenzene	17.18	146	12738	0.078	ppbv #	1
79) Naphthalene	22.25	128	8888	0.036	ppbv	98
80) Naphthalene,2-methyl-	25.02	142	3304	0.043	ppbv #	30

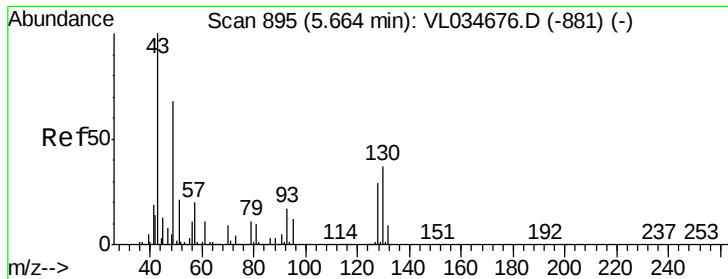
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

SG-3-CAFETERIA

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

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SG-3-CAFETERIA

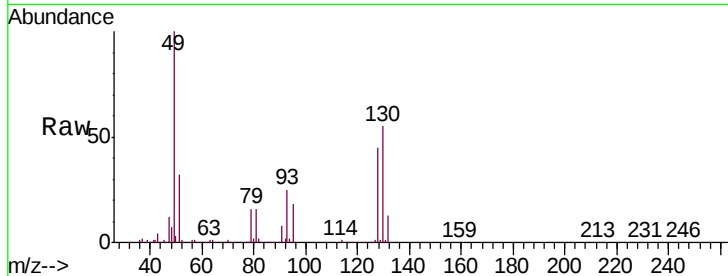
Tgt Ion: 49 Resp: 1089816

Ion Ratio Lower Upper

49 100

128 43.9 21.6 65.0

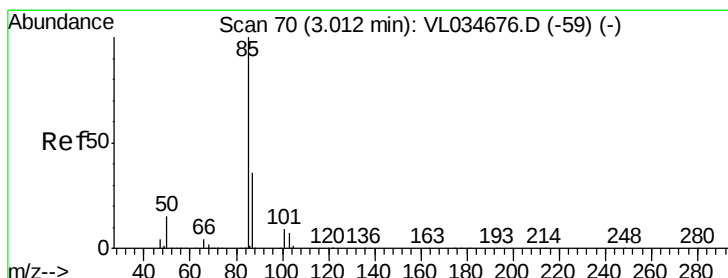
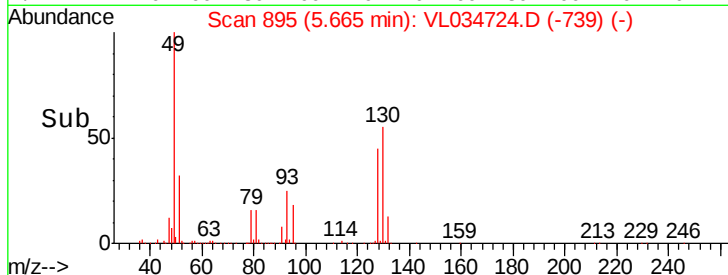
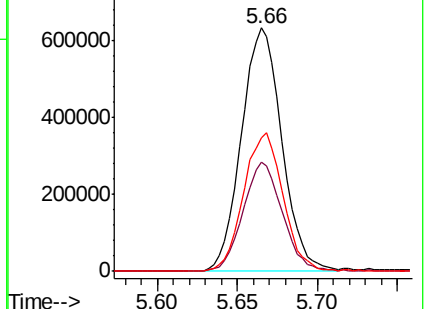
130 55.9 27.7 83.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.383 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL034724.D

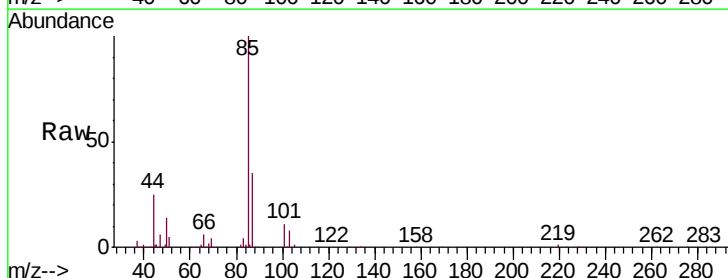
Acq: 28 Feb 2020 1:16

Tgt Ion: 85 Resp: 237783

Ion Ratio Lower Upper

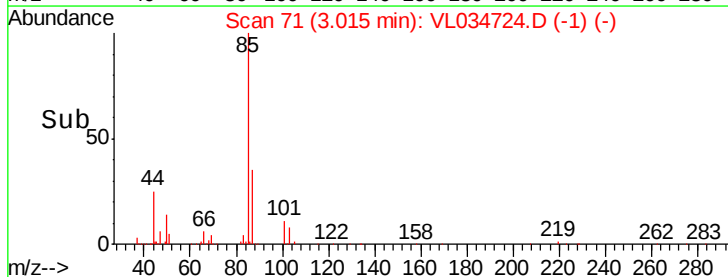
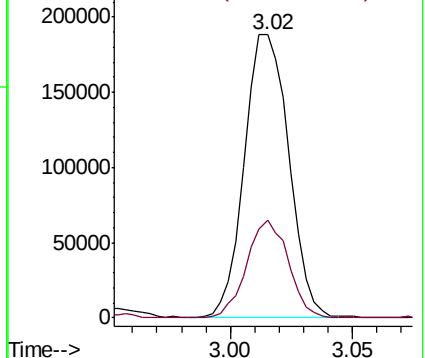
85 100

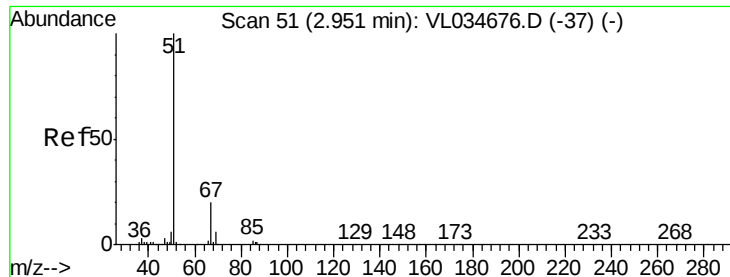
87 34.5 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 49.009 ppbv

RT: 2.93 min Scan# 44

Delta R.T. -0.02 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

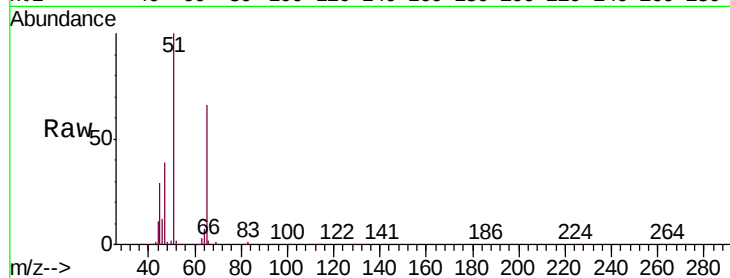
SG-3-CAFETERIA

Tgt Ion: 51 Resp: 5764067

Ion Ratio Lower Upper

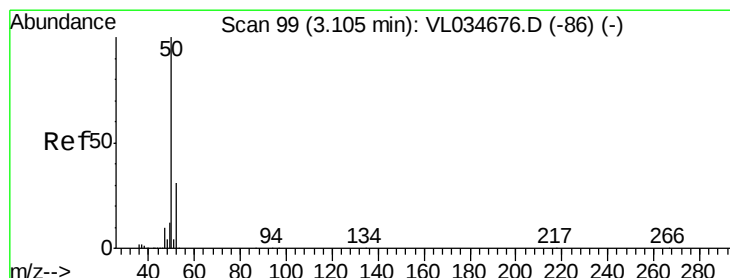
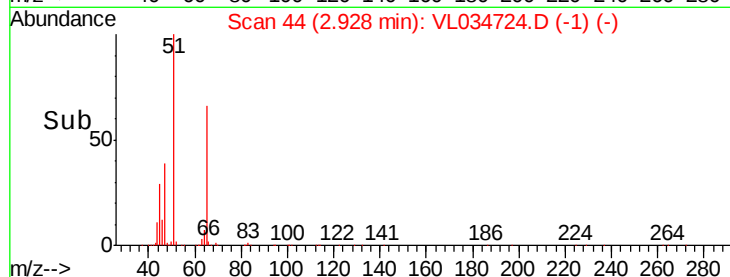
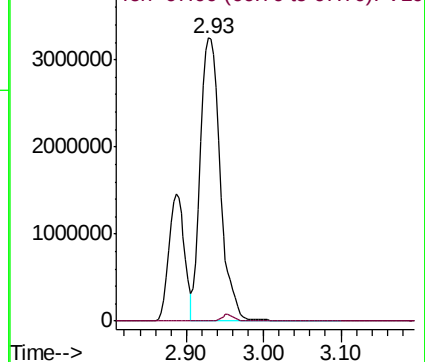
51 100

67 1.7 15.5 23.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.555 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.09 min

Lab File: VL034724.D

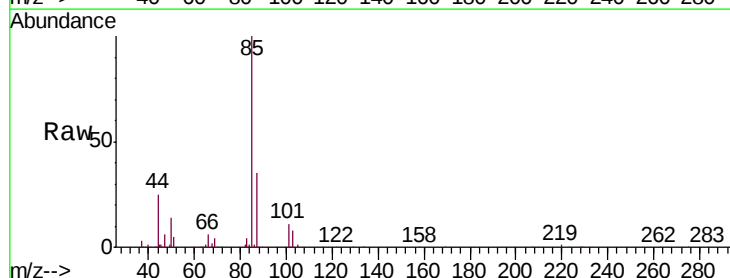
Acq: 28 Feb 2020 1:16

Tgt Ion: 50 Resp: 36518

Ion Ratio Lower Upper

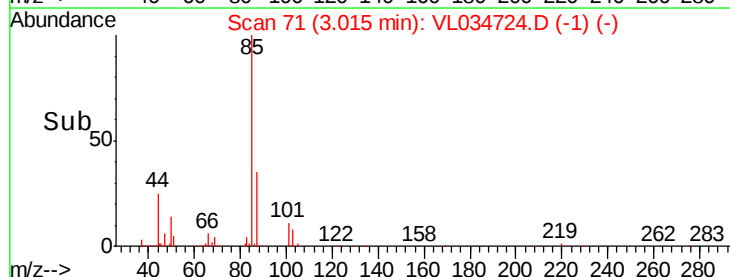
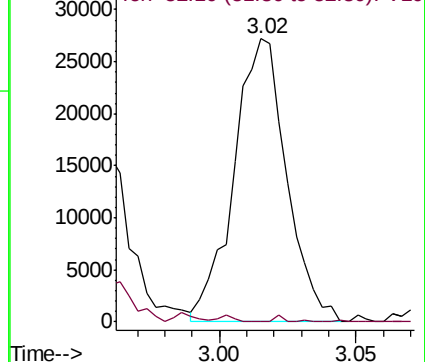
50 100

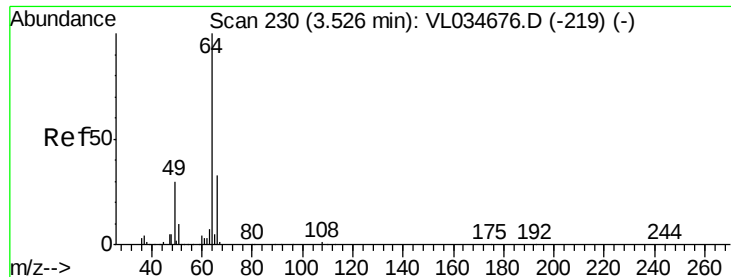
52 0.0 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.029 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

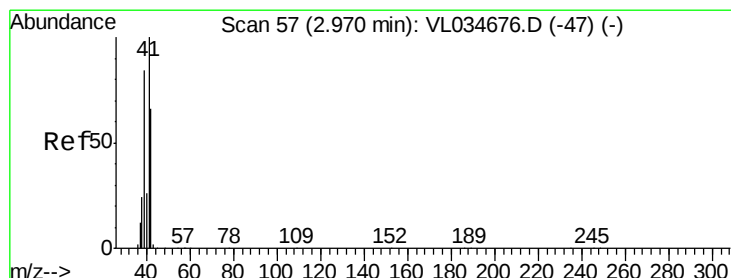
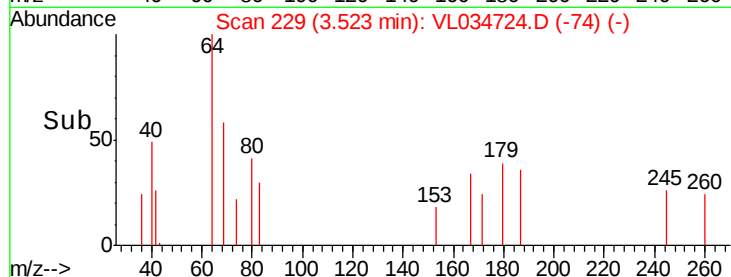
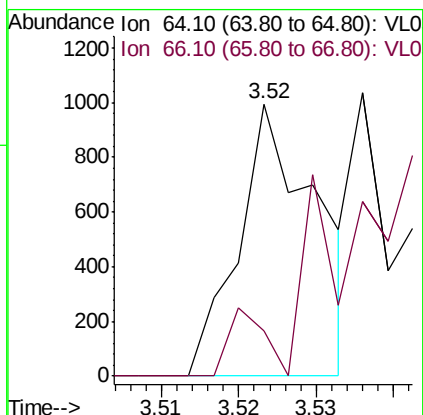
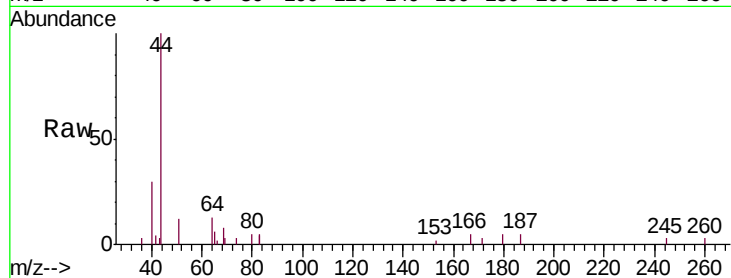
SG-3-CAFETERIA

Tgt Ion: 64 Resp: 695

Ion Ratio Lower Upper

64 100

66 16.9 26.7 40.1#



#9

Propene

Concen: 4.988 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.20 min

Lab File: VL034724.D

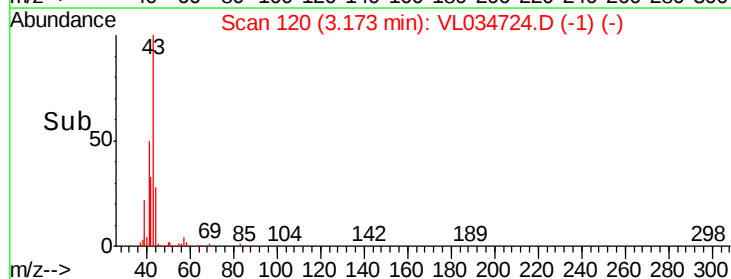
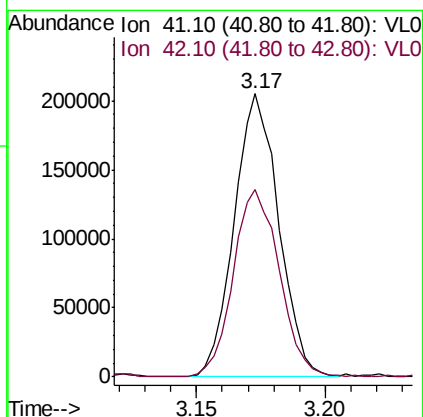
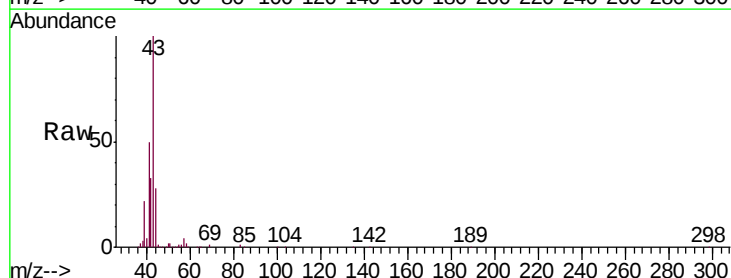
Acq: 28 Feb 2020 1:16

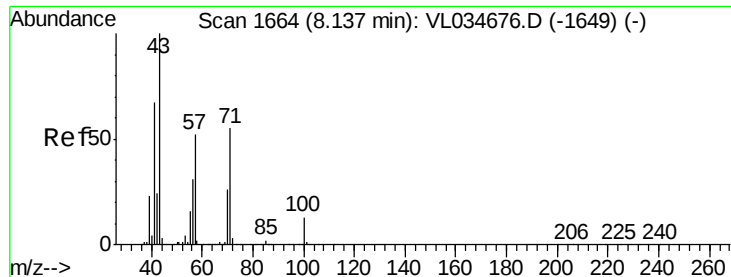
Tgt Ion: 41 Resp: 245245

Ion Ratio Lower Upper

41 100

42 68.7 54.9 82.3

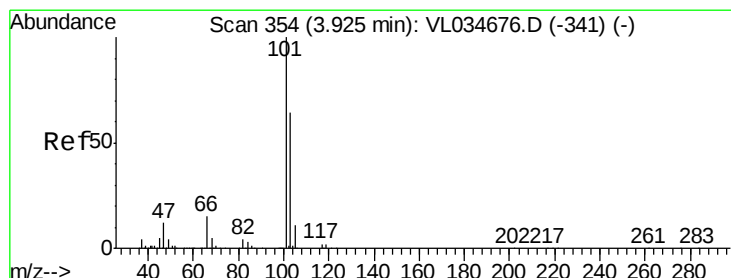
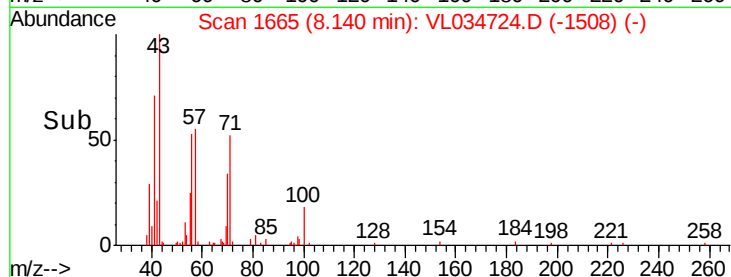
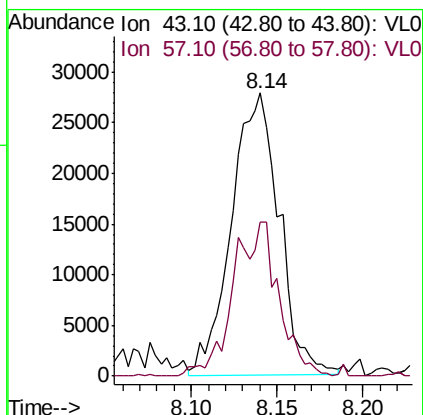
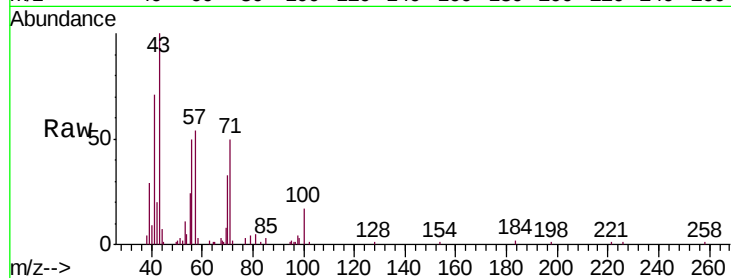




#10
Heptane
Concen: 0.427 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

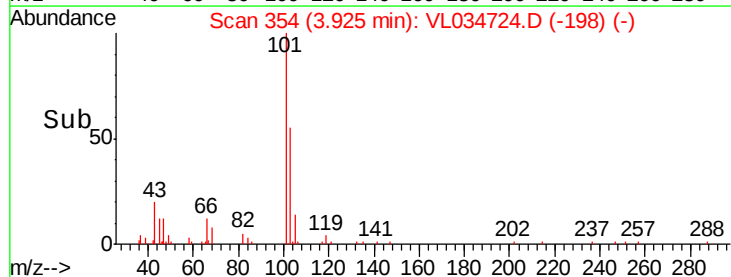
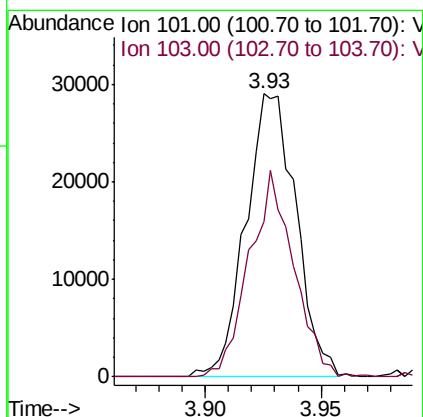
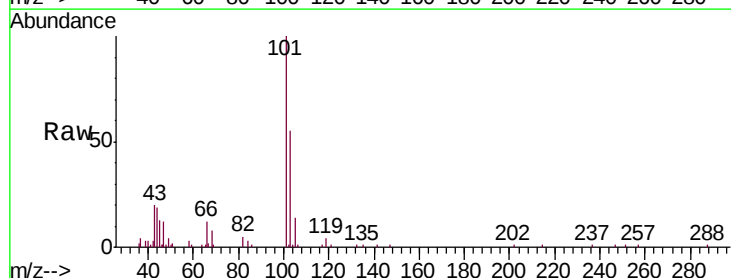
Instrument :
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ClientSampleId :
SG-3-CAFETERIA

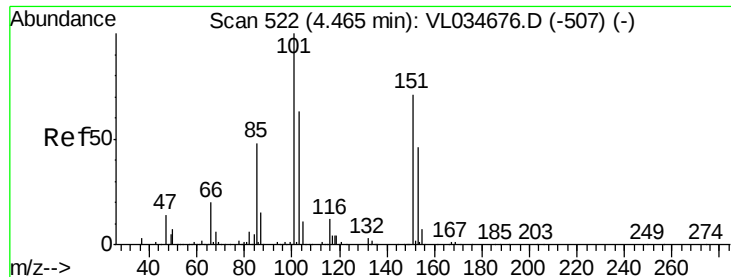
Tgt Ion: 43 Resp: 54026
Ion Ratio Lower Upper
43 100
57 52.6 41.0 61.6



#11
Trichlorofluoromethane
Concen: 0.291 ppbv
RT: 3.93 min Scan# 354
Delta R.T. 0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion: 101 Resp: 43826
Ion Ratio Lower Upper
101 100
103 54.8 51.2 76.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.028 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

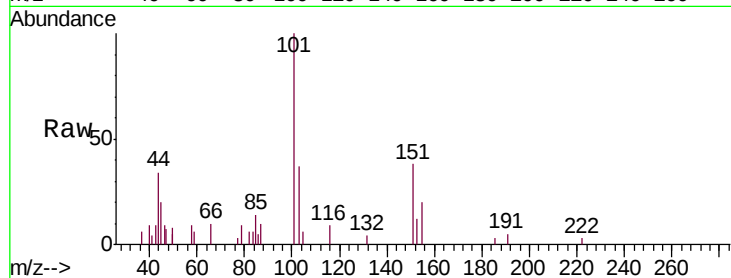
SG-3-CAFETERIA

Tgt Ion: 101 Resp: 2962

Ion Ratio Lower Upper

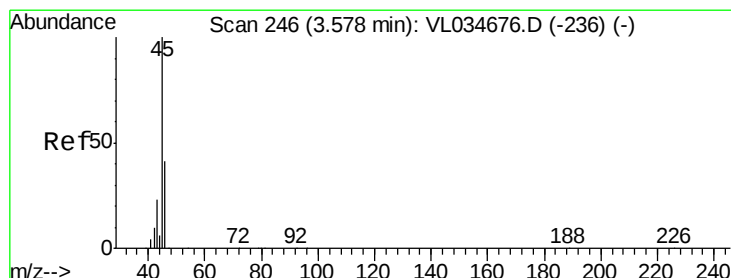
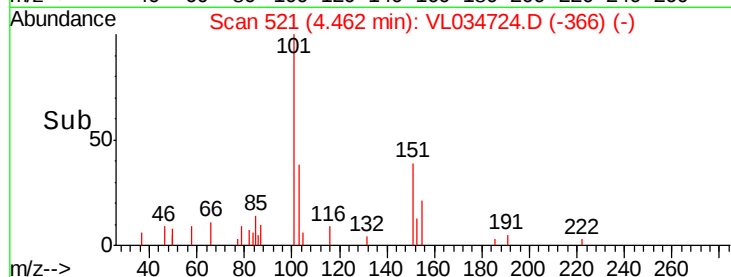
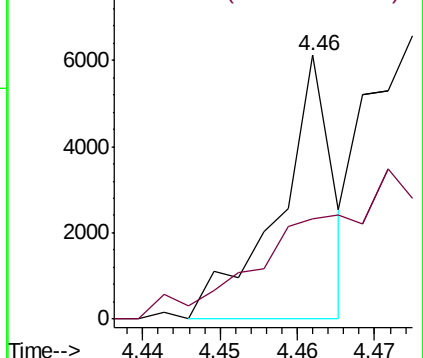
101 100

151 0.0 55.8 83.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 160.493 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL034724.D

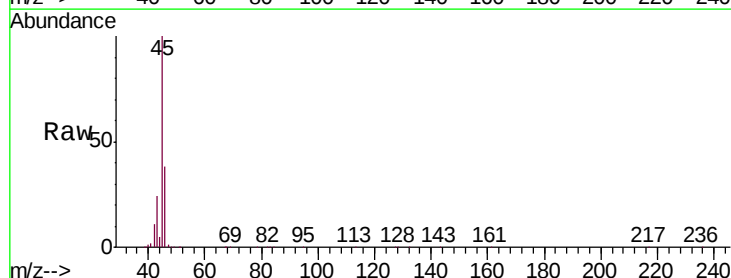
Acq: 28 Feb 2020 1:16

Tgt Ion: 45 Resp: 2492601

Ion Ratio Lower Upper

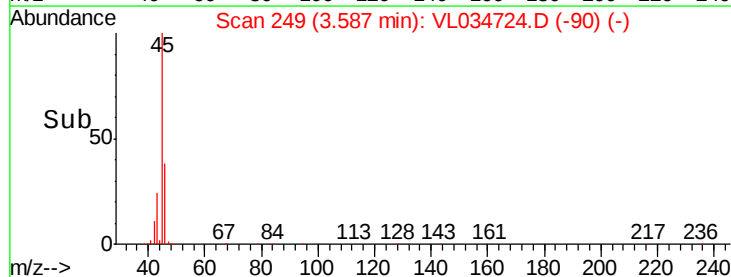
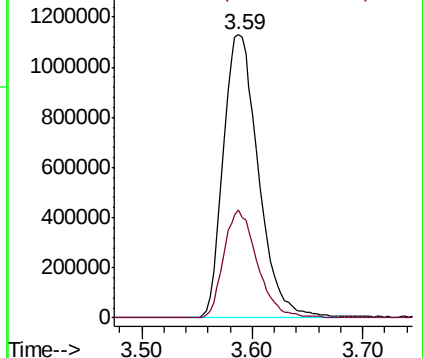
45 100

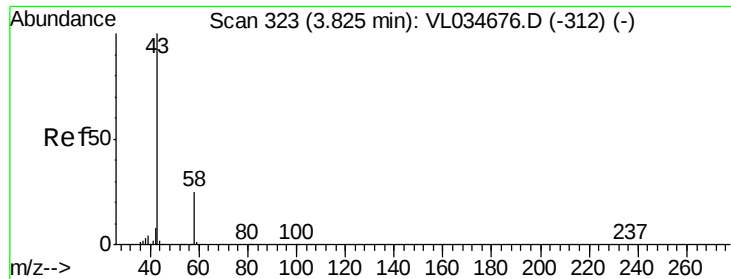
46 36.6 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 15.192 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

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ClientSampleId :

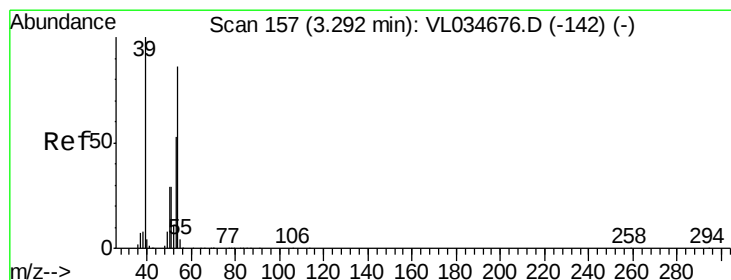
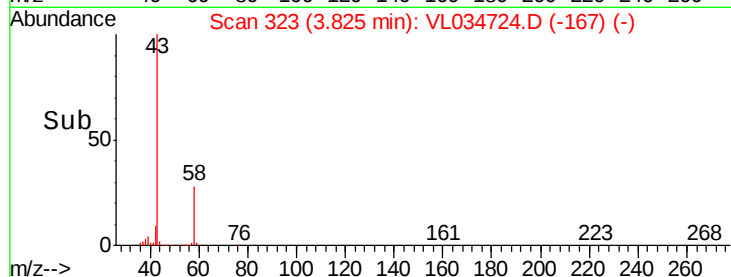
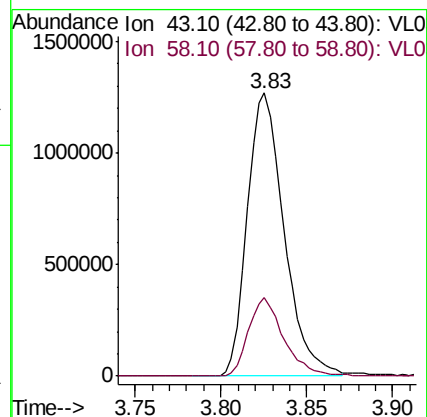
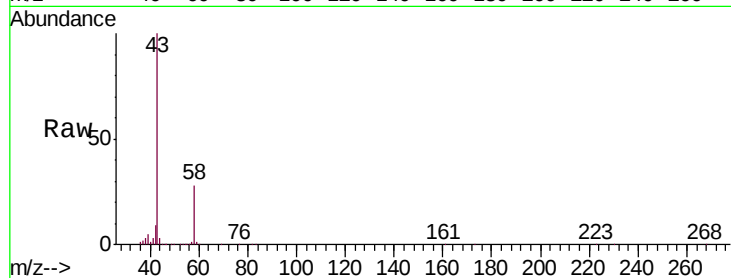
SG-3-CAFETERIA

Tgt Ion: 43 Resp: 1886581

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.0



#16

1,3-Butadiene

Concen: 0.502 ppbv

RT: 3.27 min Scan# 151

Delta R.T. -0.02 min

Lab File: VL034724.D

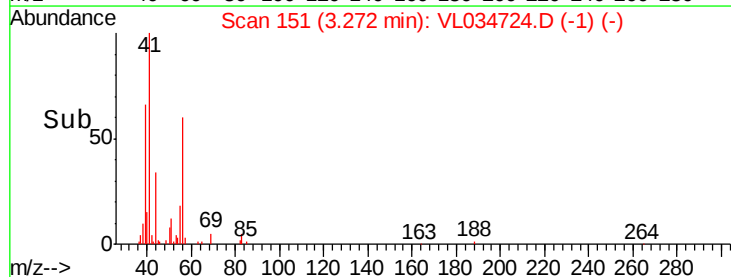
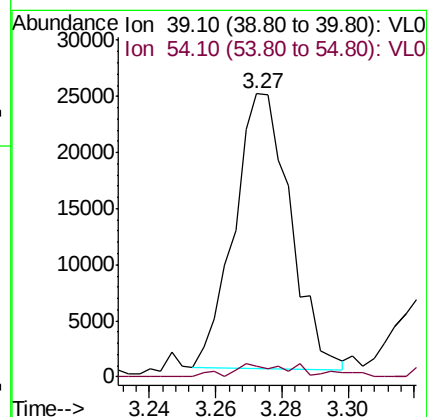
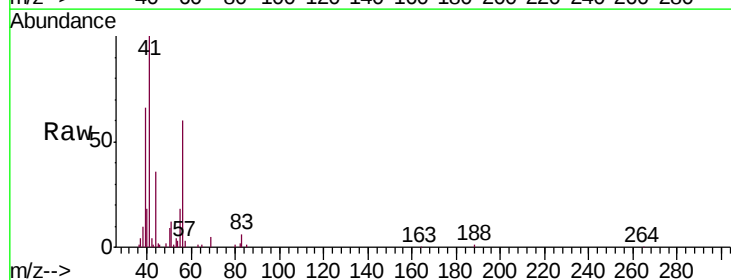
Acq: 28 Feb 2020 1:16

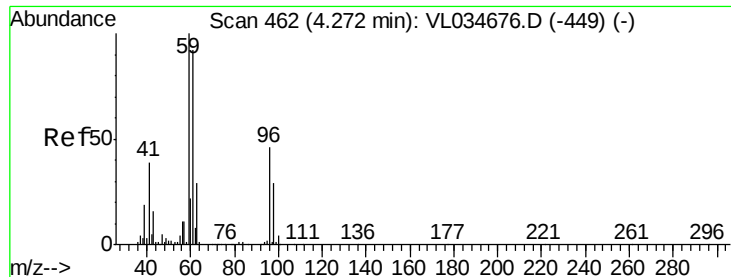
Tgt Ion: 39 Resp: 28868

Ion Ratio Lower Upper

39 100

54 6.0 67.0 100.6#





#17

tert-Butyl alcohol

Concen: 4.096 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

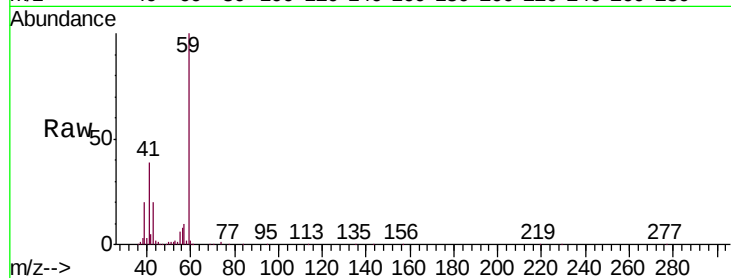
SG-3-CAFETERIA

Tgt Ion: 59 Resp: 389747

Ion Ratio Lower Upper

59 100

57 10.6 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

200000

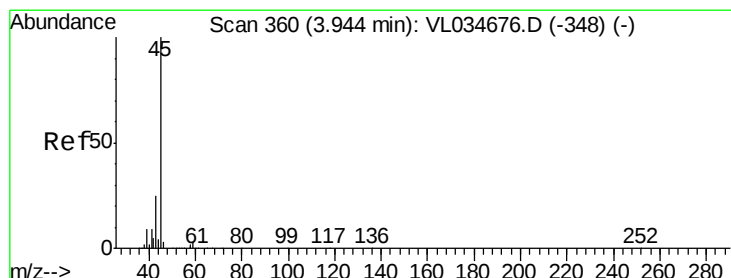
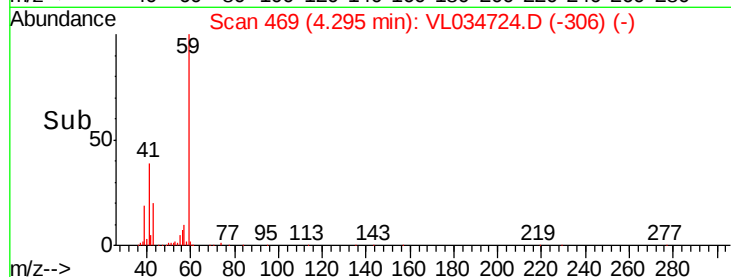
150000

100000

50000

0

Time-->



#19

Isopropyl Alcohol

Concen: 44.957 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034724.D

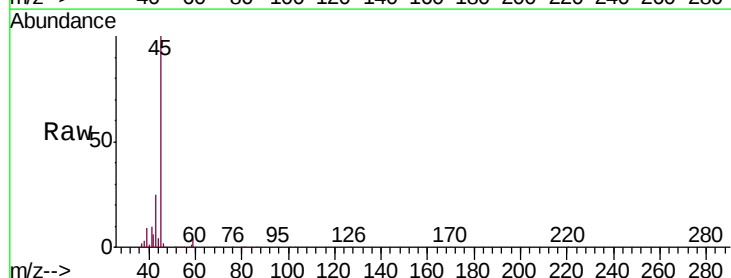
Acq: 28 Feb 2020 1:16

Tgt Ion: 45 Resp: 3325475

Ion Ratio Lower Upper

45 100

58 1.5 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

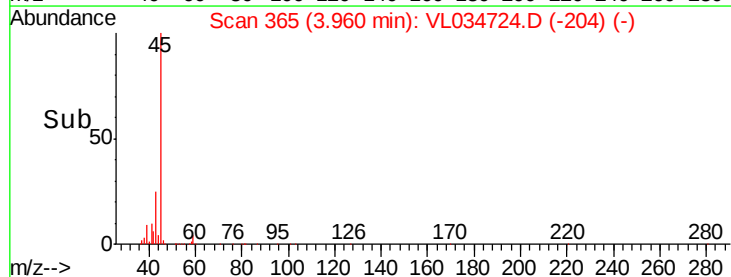
1500000

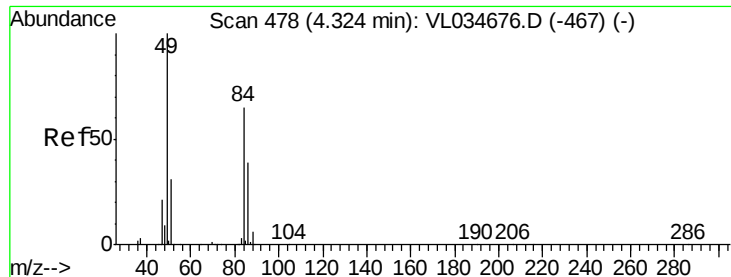
1000000

500000

0

Time-->

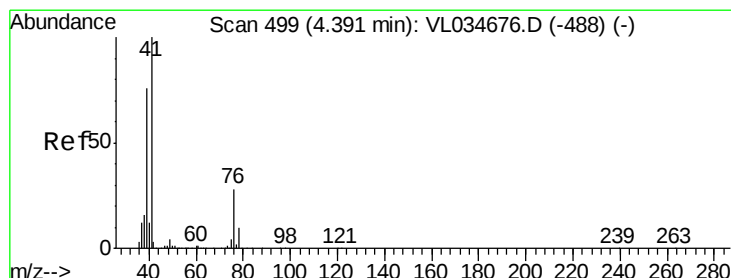
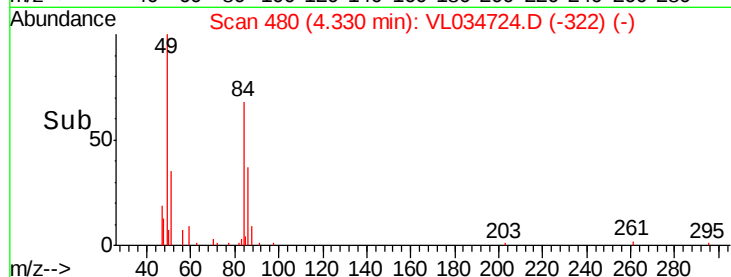
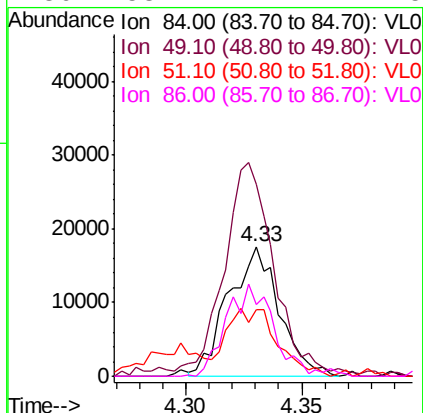
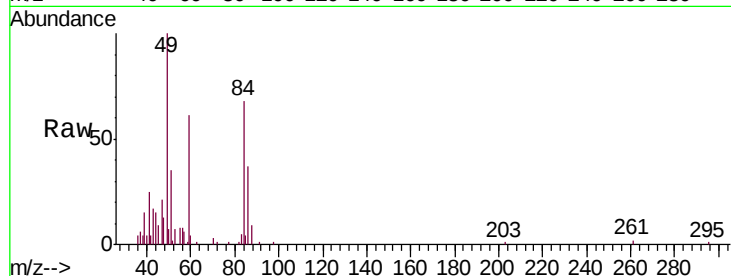




#20
Methylene Chloride
Concen: 0.583 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

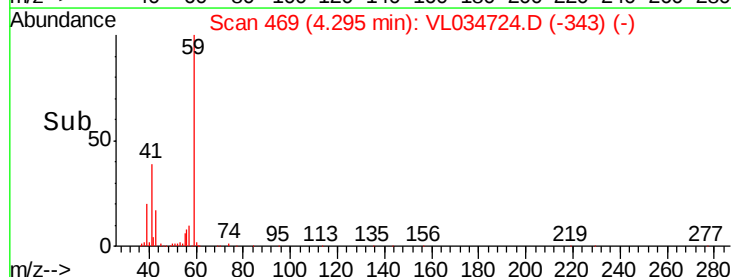
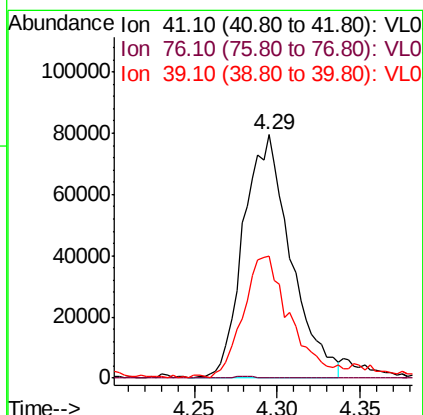
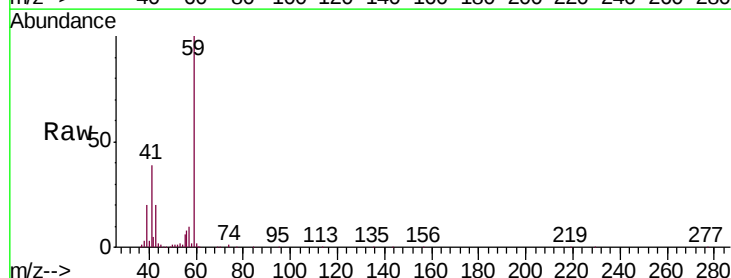
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

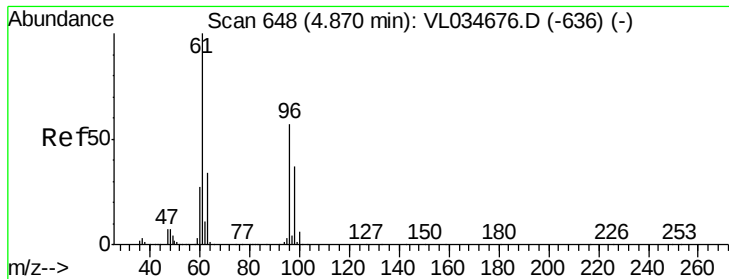
Tgt Ion:	84	Resp:	26938
Ion	Ratio	Lower	Upper
84	100		
49	142.1	122.8	184.2
51	51.8	38.6	58.0
86	53.7	47.7	71.5



#21
Allyl Chloride
Concen: 1.923 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.10 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion:	41	Resp:	157991
Ion	Ratio	Lower	Upper
41	100		
76	0.2	22.8	34.2#
39	54.7	61.7	92.5#





#22

trans-1,2-Dichloroethene

Concen: 0.030 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.01 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIA

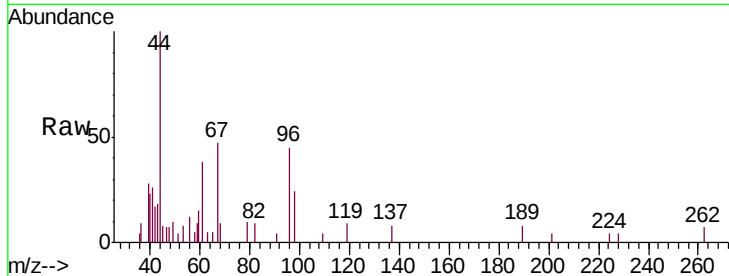
Tgt Ion: 96 Resp: 1394

Ion Ratio Lower Upper

96 100

61 75.3 139.4 209.0#

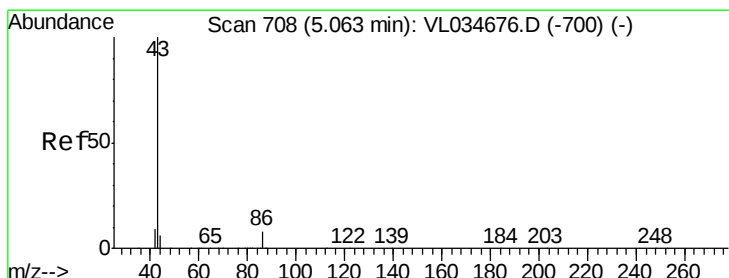
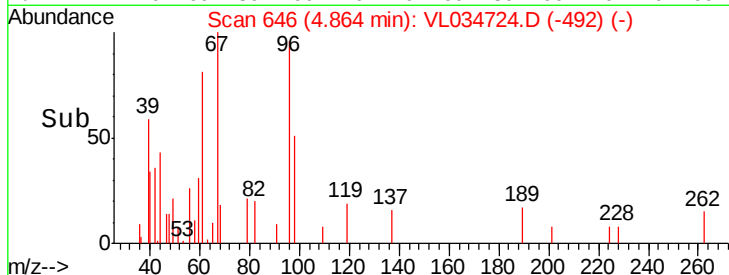
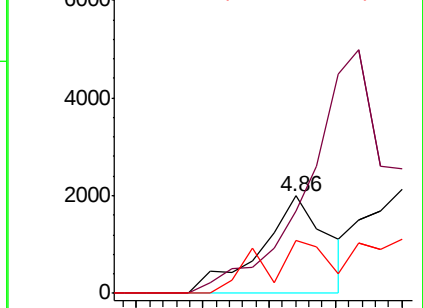
98 53.7 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.380 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Tgt Ion: 43 Resp: 64116

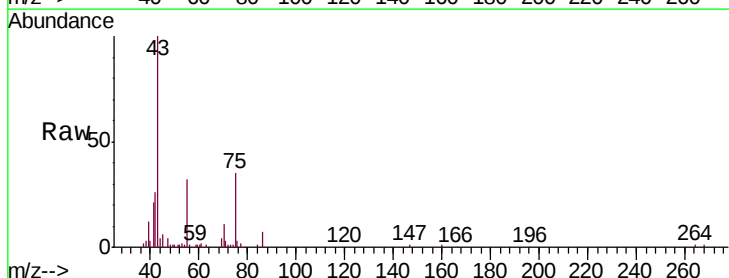
Ion Ratio Lower Upper

43 100

86 8.5 6.0 9.0

42 22.7 8.0 12.0#

44 4.9 4.5 6.7

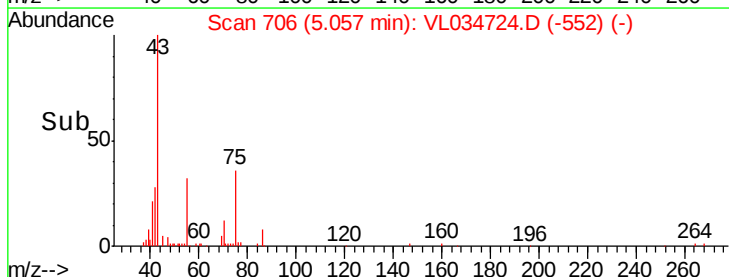
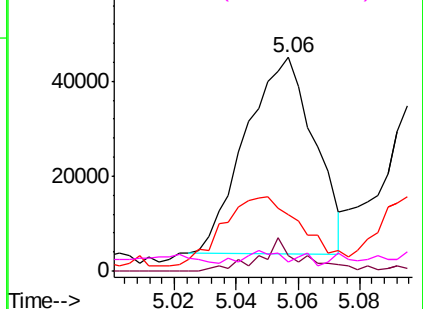


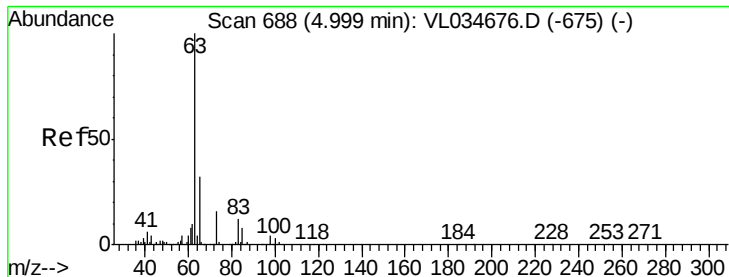
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.037 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

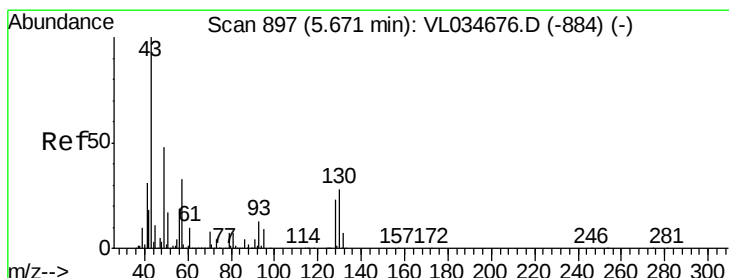
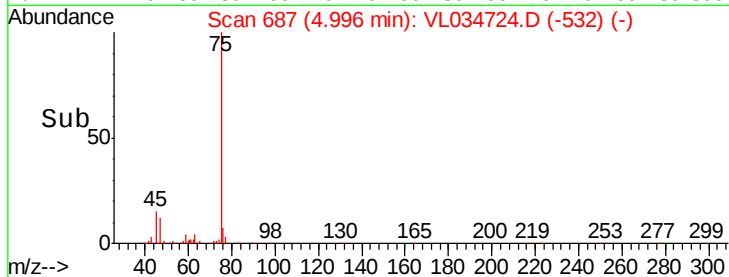
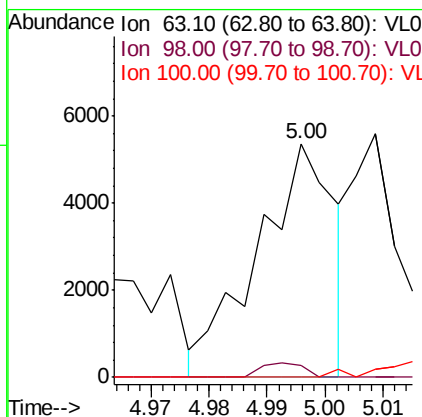
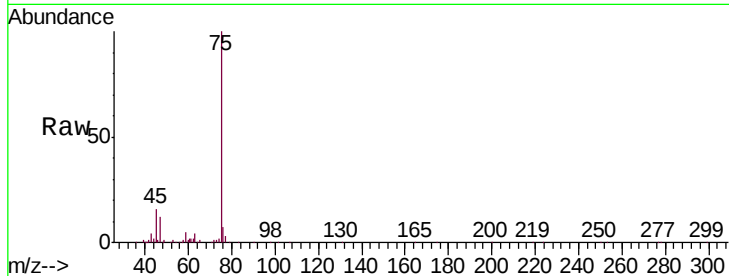
Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIA

Tgt Ion:	63	Resp:	4938
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.1	6.2
100	0.0	1.4	4.0#



#25

Ethyl Acetate

Concen: 0.248 ppbv

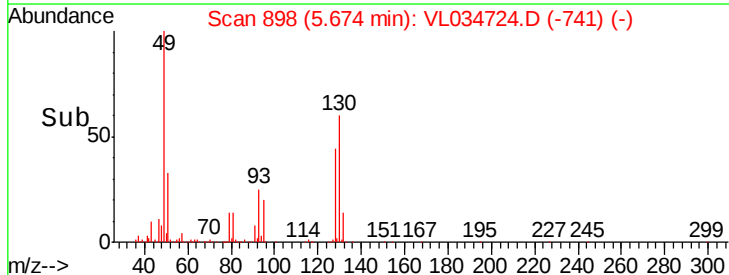
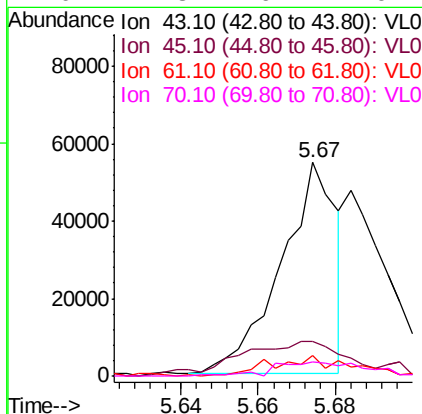
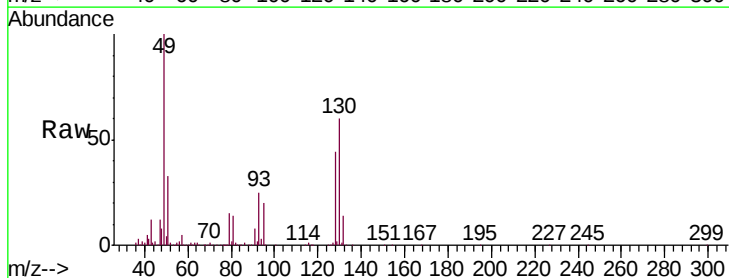
RT: 5.67 min Scan# 898

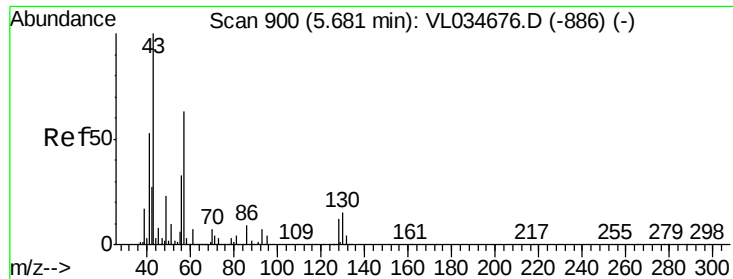
Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Tgt Ion:	43	Resp:	54487
Ion	Ratio	Lower	Upper
43	100		
45	35.8	8.2	12.4#
61	15.6	7.8	11.6#
70	11.3	6.1	9.1#

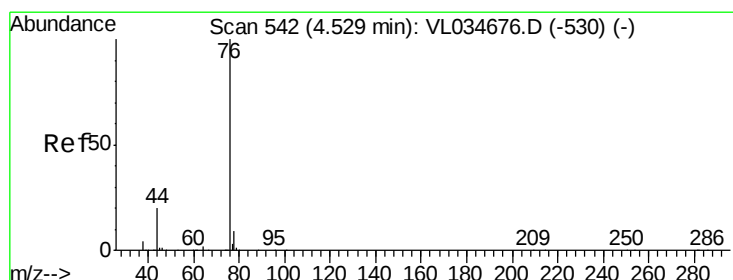
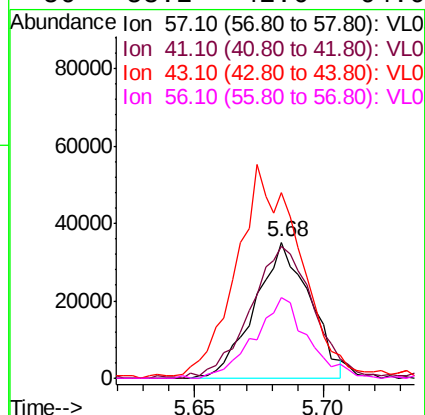
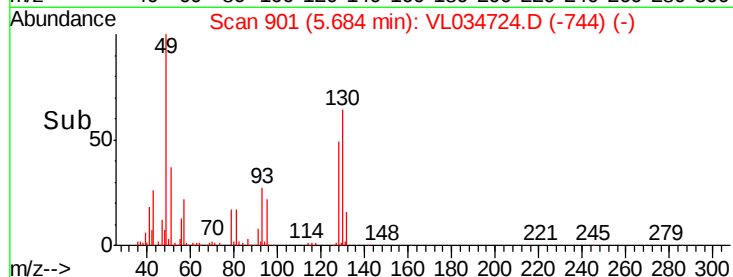
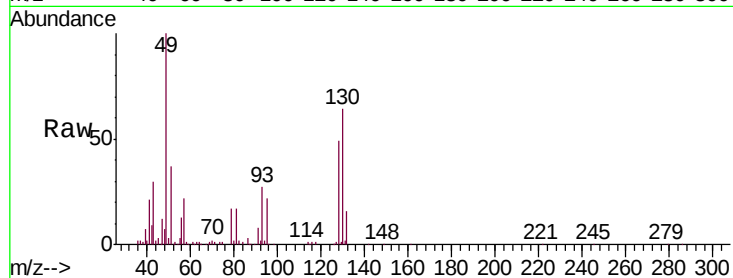




#26
Hexane
Concen: 0.517 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

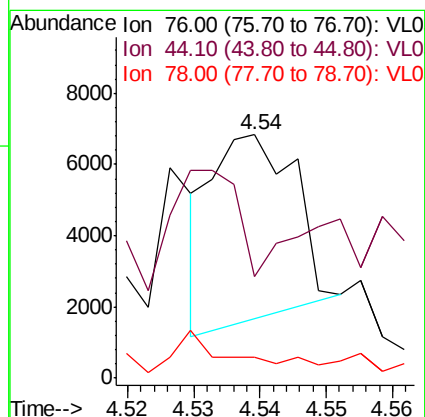
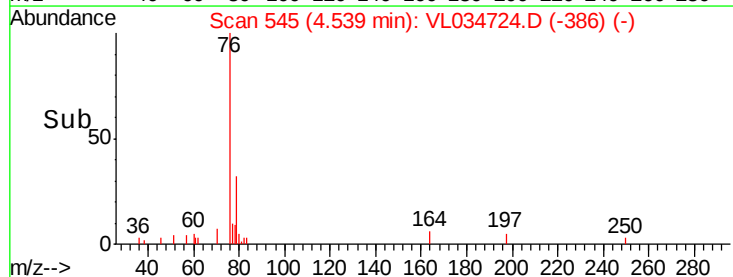
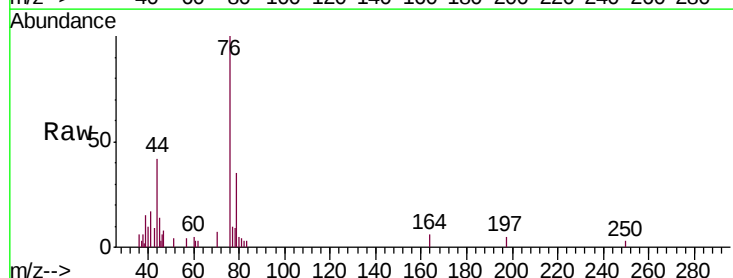
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

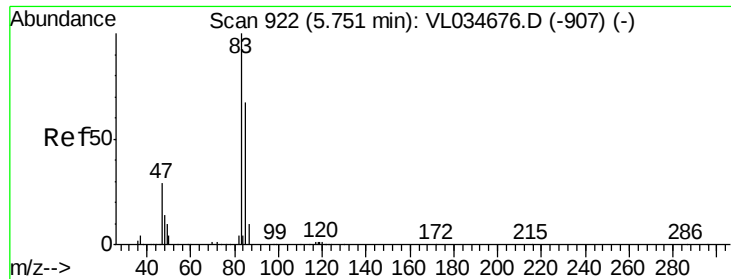
Tgt Ion: 57 Resp: 52411
Ion Ratio Lower Upper
57 100
41 111.5 70.3 105.5#
43 185.6 177.0 265.4
56 58.2 42.6 64.0



#27
Carbon Disulfide
Concen: 0.040 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.01 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion: 76 Resp: 4545
Ion Ratio Lower Upper
76 100
44 155.9 15.3 22.9#
78 33.2 7.6 11.4#

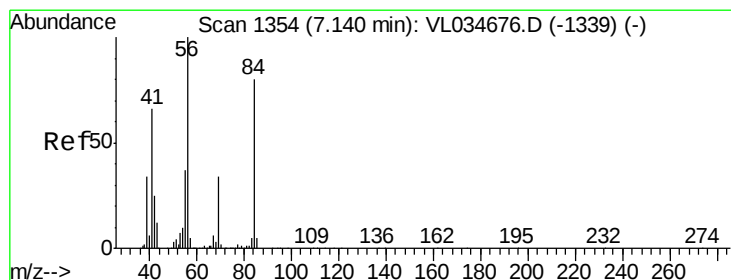
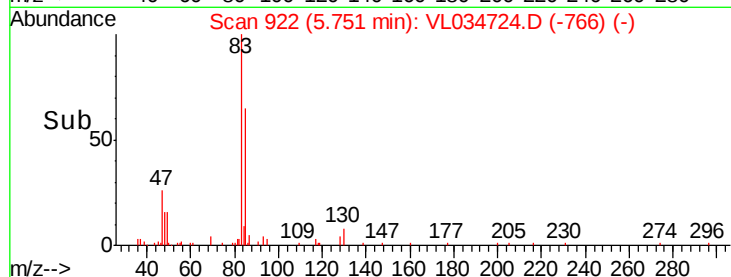
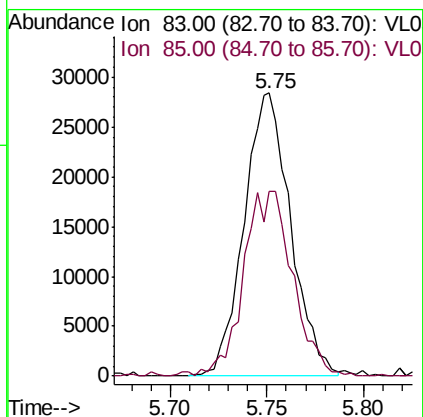
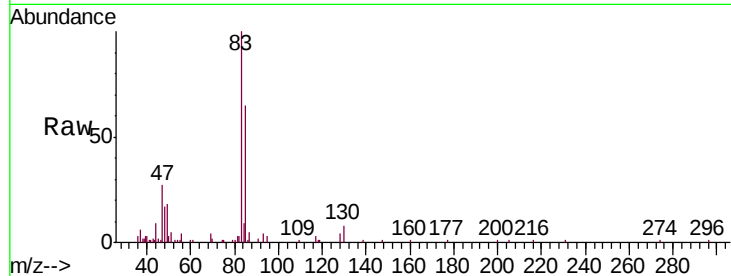




#29
Chloroform
Concen: 0.295 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

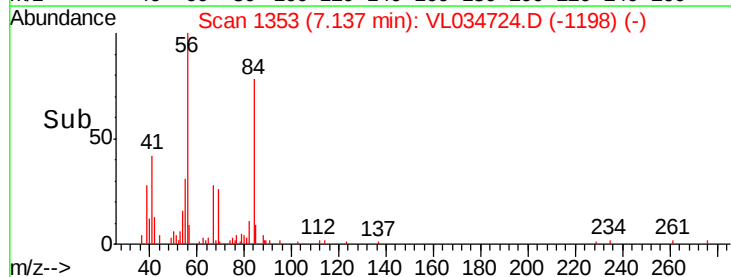
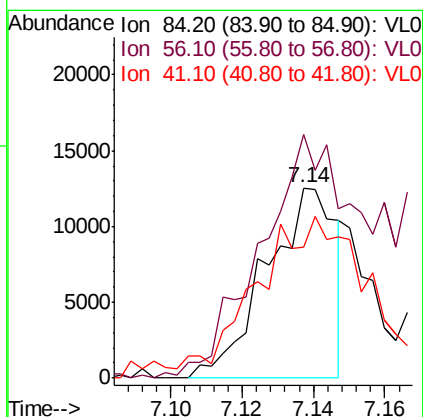
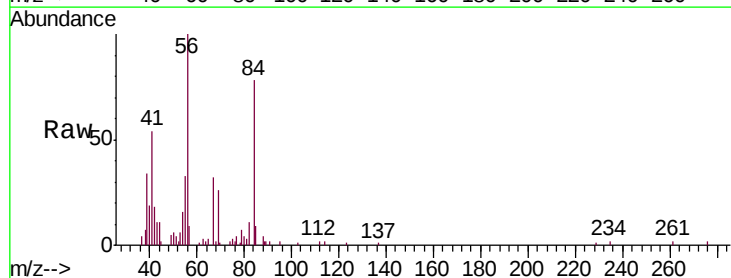
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

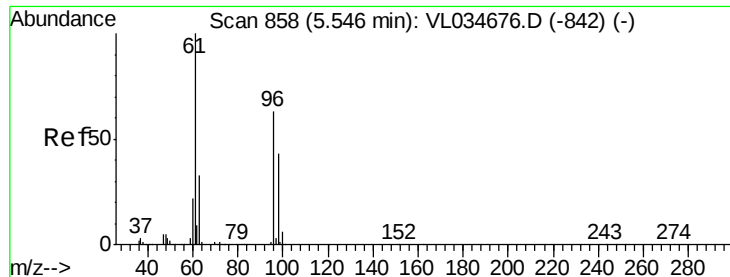
Tgt Ion: 83 Resp: 47640
Ion Ratio Lower Upper
83 100
85 64.1 53.9 80.9



#30
Cyclohexane
Concen: 0.214 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion: 84 Resp: 16802
Ion Ratio Lower Upper
84 100
56 145.8 113.4 170.2
41 152.0 68.2 102.4#





#31

cis-1,2-Dichloroethene

Concen: 0.666 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIA

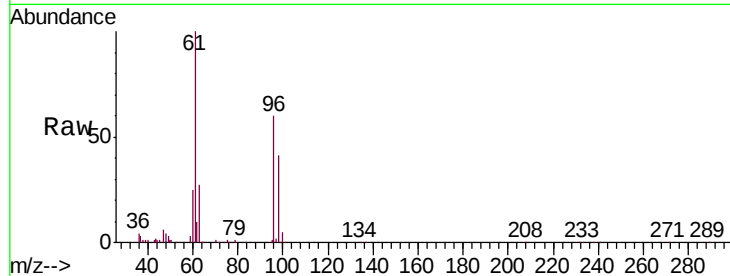
Tgt Ion: 61 Resp: 66414

Ion Ratio Lower Upper

61 100

96 60.6 50.2 75.2

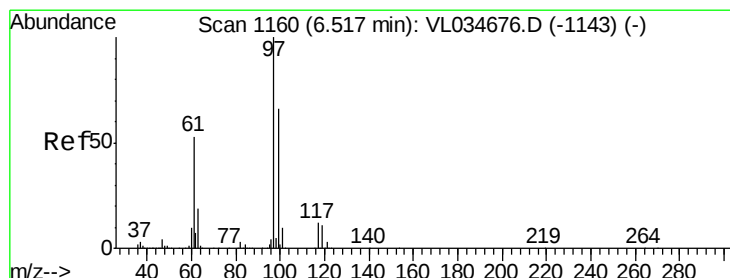
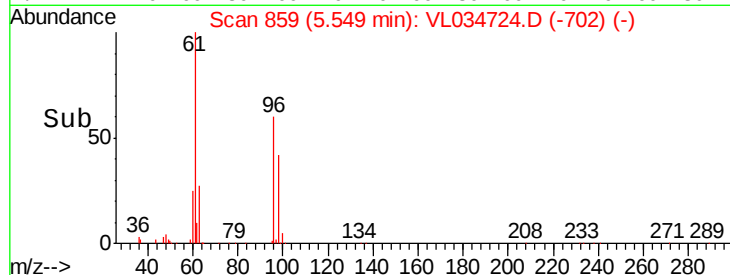
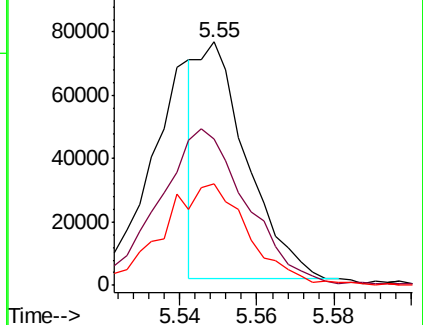
98 41.4 34.3 51.5



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.040 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

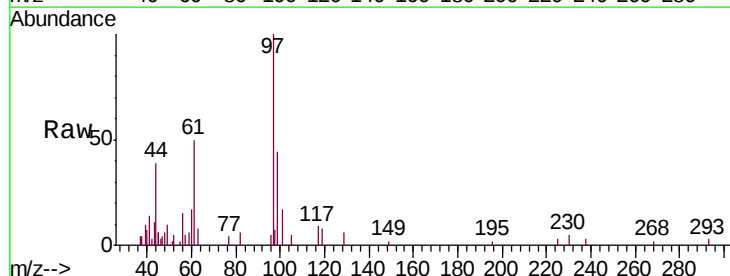
Tgt Ion: 97 Resp: 6095

Ion Ratio Lower Upper

97 100

99 132.5 52.3 78.5#

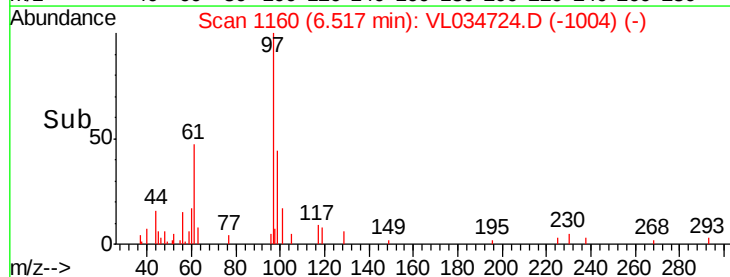
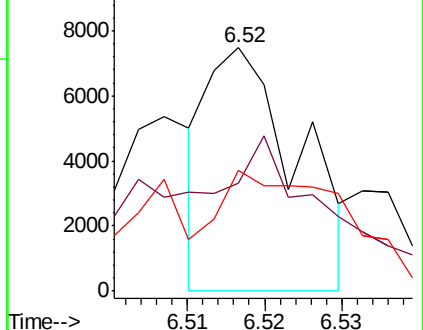
61 116.5 42.8 64.2#

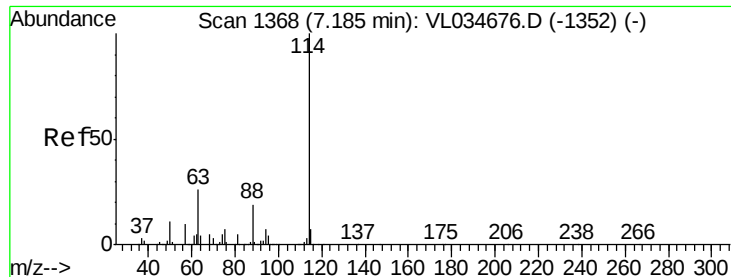


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

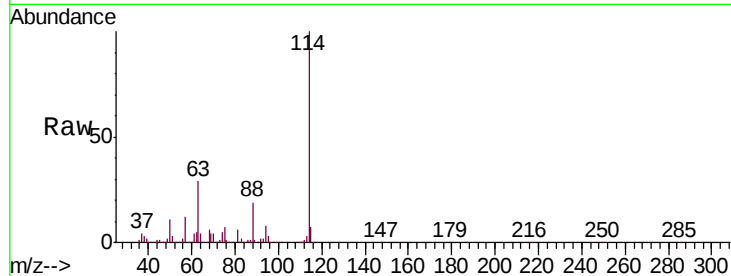




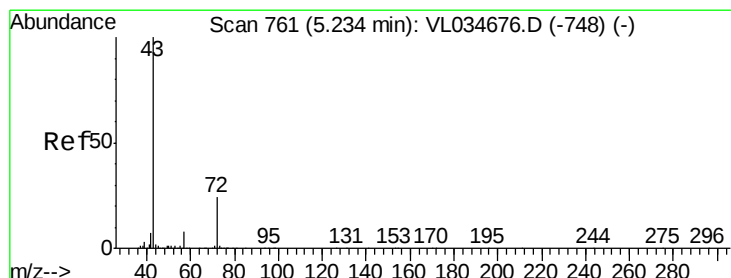
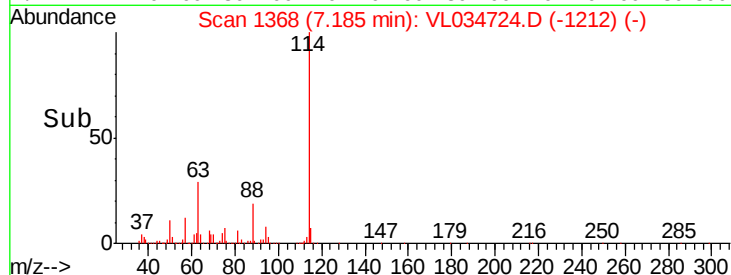
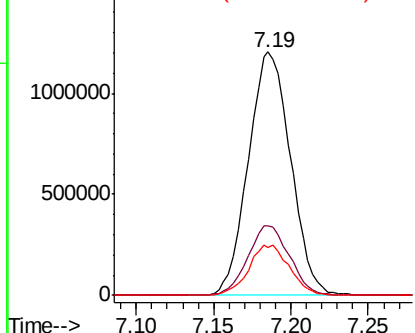
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIA

Tgt Ion:114 Resp: 2285536
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.9 34.3
 88 20.1 15.8 23.6

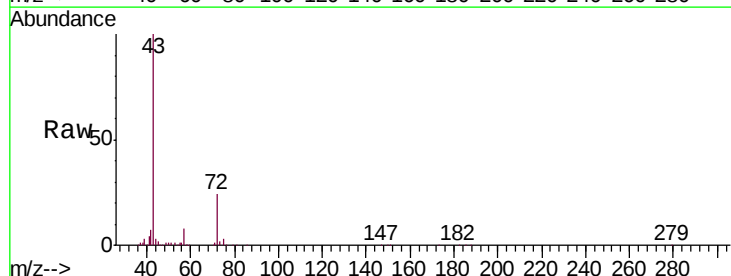


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

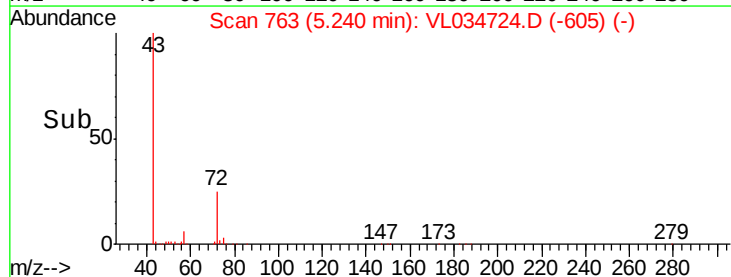
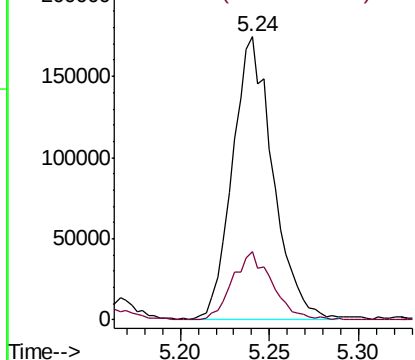


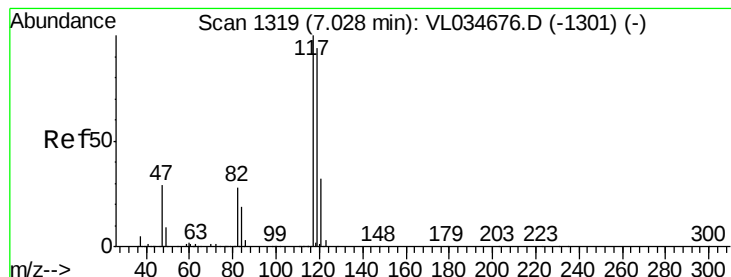
#34
 2-Butanone
 Concen: 1.905 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Tgt Ion: 43 Resp: 274120
 Ion Ratio Lower Upper
 43 100
 72 23.9 18.2 27.2



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





#35

Carbon Tetrachloride

Concen: 0.033 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIA

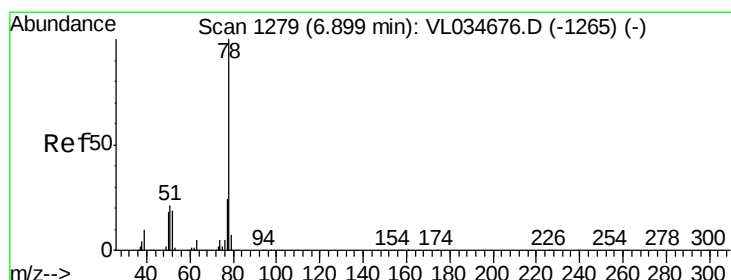
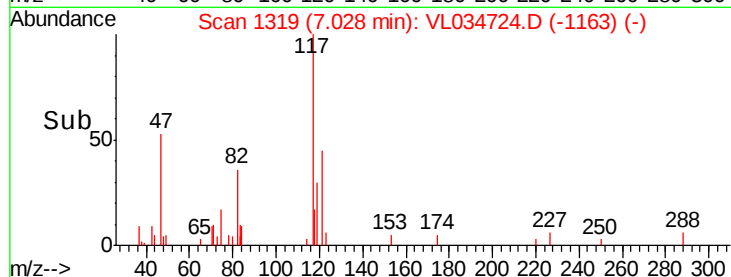
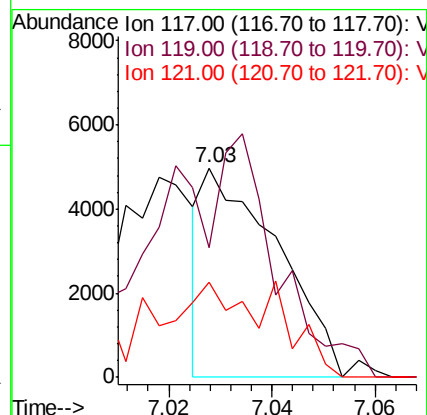
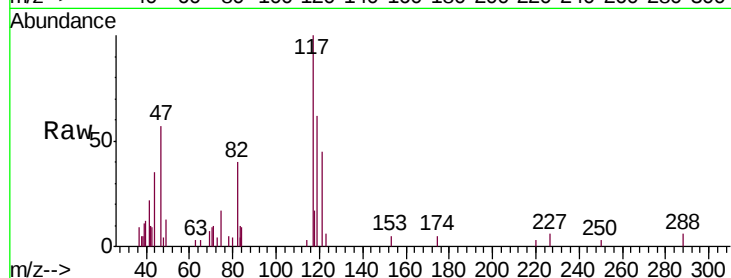
Tgt Ion: 117 Resp: 4990

Ion Ratio Lower Upper

117 100

119 46.1 75.5 113.3#

121 45.1 25.4 38.0#



#36

Benzene

Concen: 0.364 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

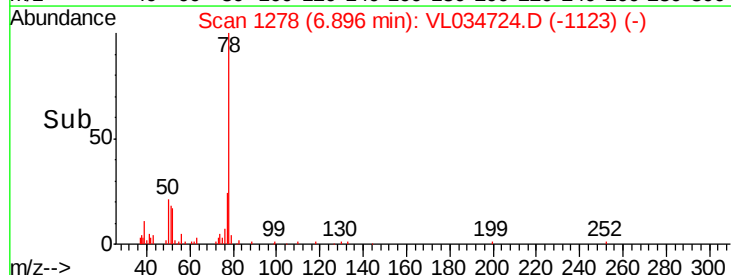
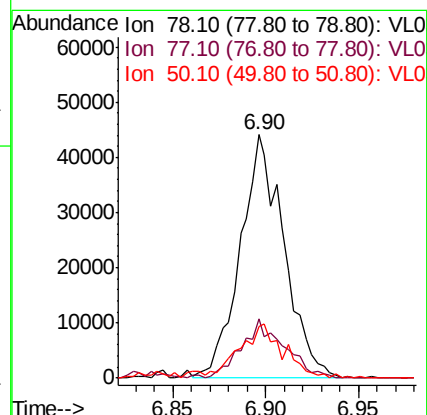
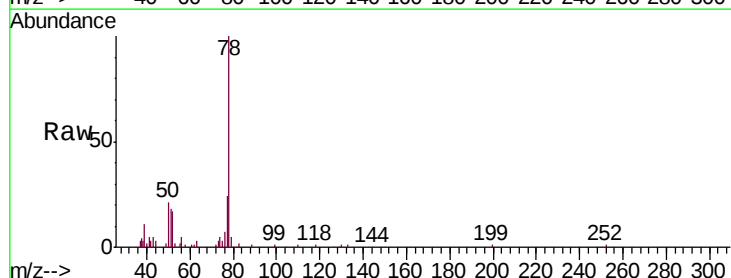
Tgt Ion: 78 Resp: 71810

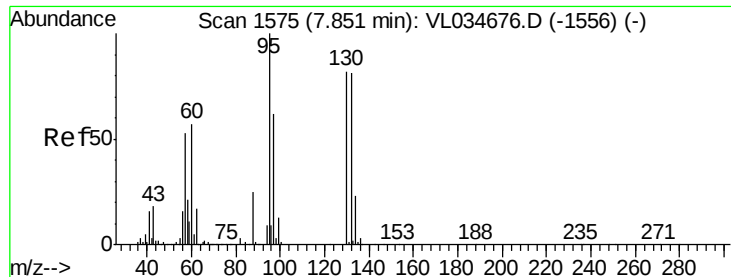
Ion Ratio Lower Upper

78 100

77 23.8 19.5 29.3

50 20.8 14.6 21.8

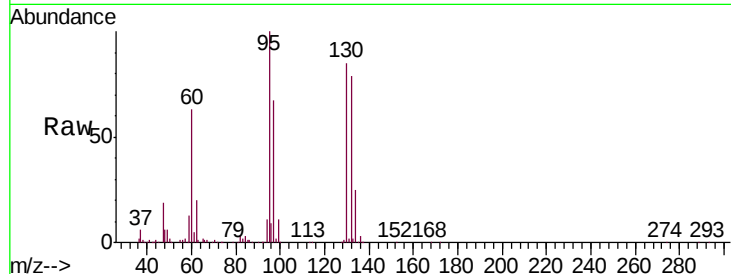




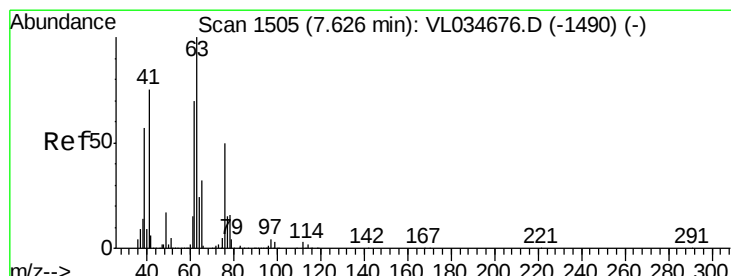
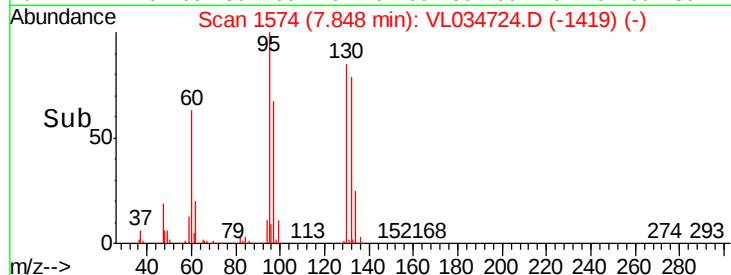
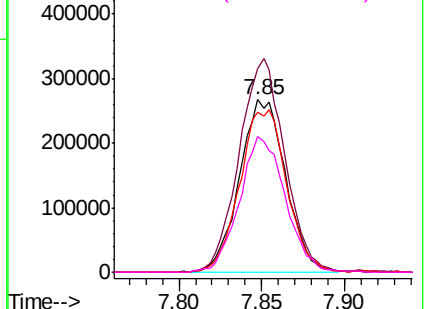
#38
 Trichloroethene
 Concen: 6.770 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIA

Tgt Ion:130 Resp: 515131
 Ion Ratio Lower Upper
 130 100
 95 117.8 97.1 145.7
 132 92.9 78.3 117.5
 97 79.0 60.1 90.1

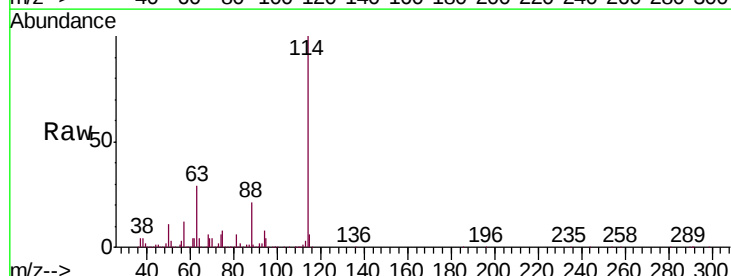


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

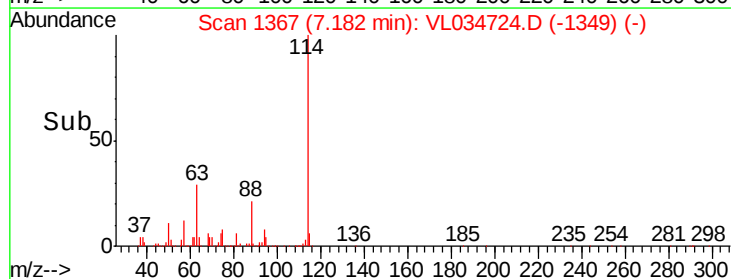
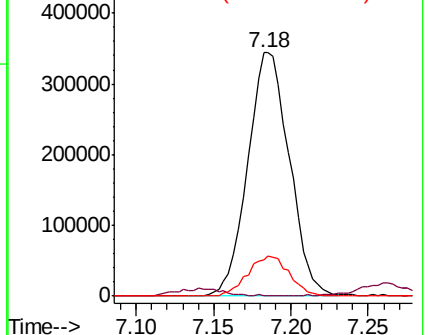


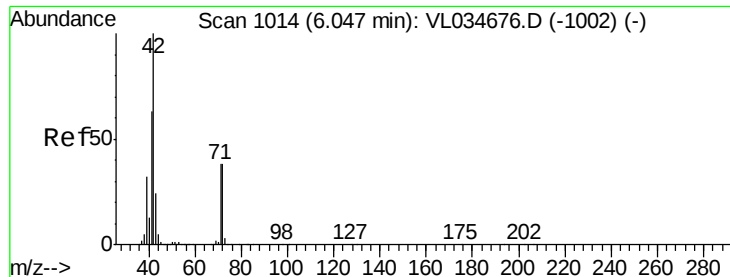
#39
 1,2-Dichloropropane
 Concen: 8.166 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.44 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Tgt Ion: 63 Resp: 641353
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.2 90.4#
 62 15.0 56.3 84.5#



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

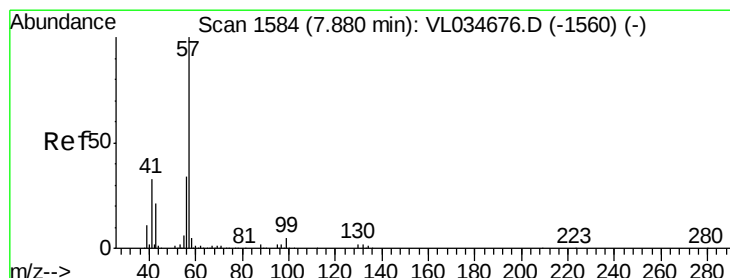
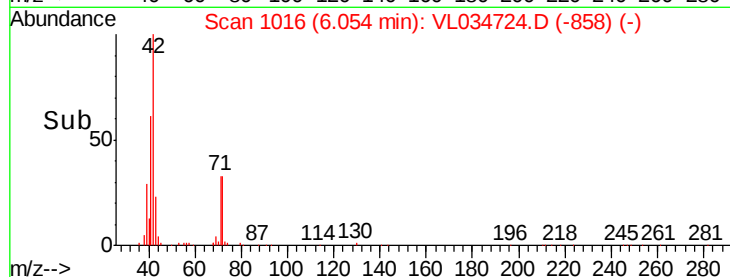
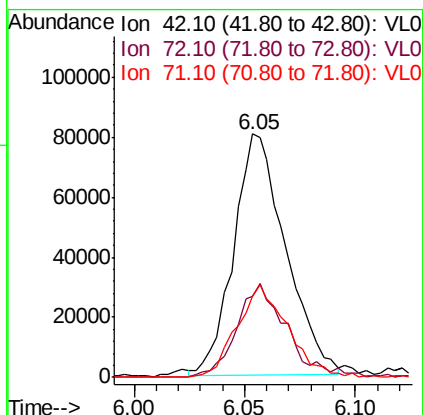
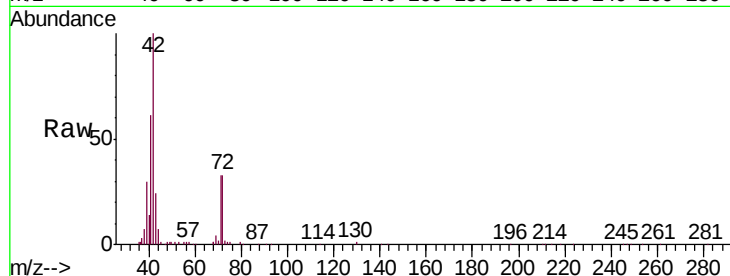




#41
Tetrahydrofuran
Concen: 1.733 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

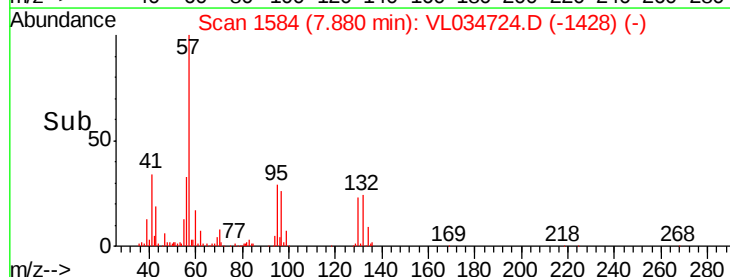
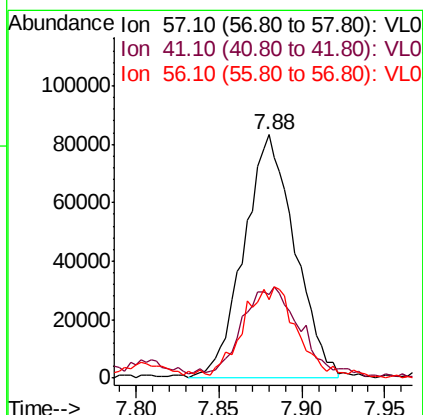
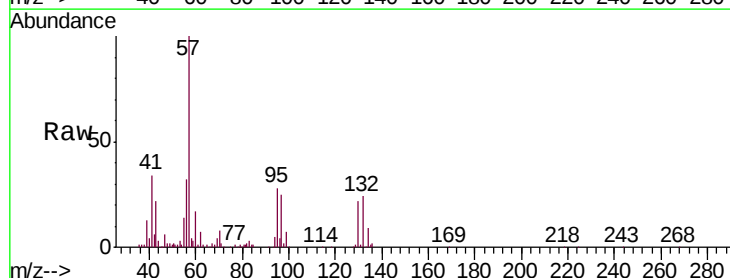
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

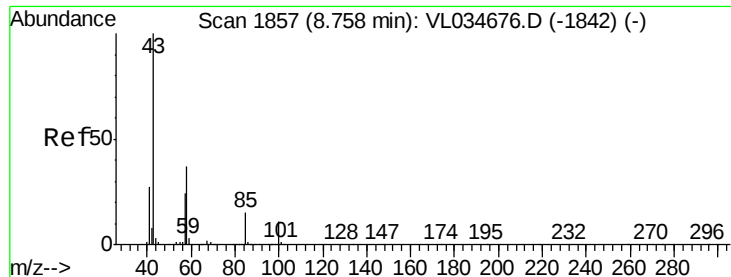
Tgt Ion: 42 Resp: 131607
Ion Ratio Lower Upper
42 100
72 38.1 31.7 47.5
71 37.4 30.7 46.1



#44
2,2,4-Trimethylpentane
Concen: 0.519 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion: 57 Resp: 178999
Ion Ratio Lower Upper
57 100
41 42.8 26.0 39.0#
56 41.3 25.6 38.4#

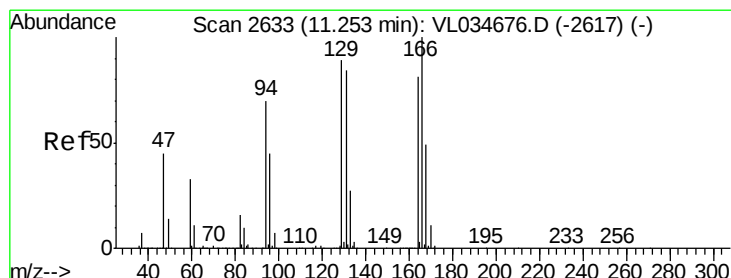
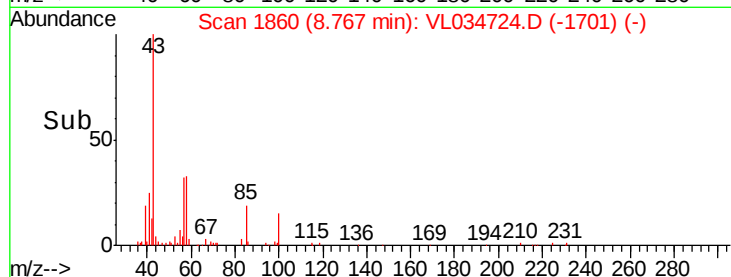
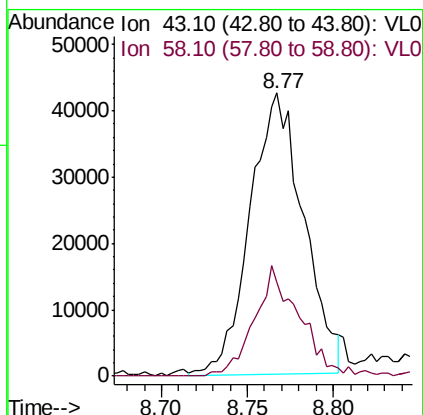
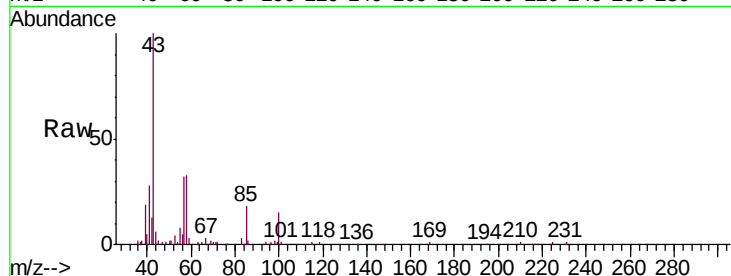




#50
 4-Methyl-2-Pentanone
 Concen: 0.452 ppbv
 RT: 8.77 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

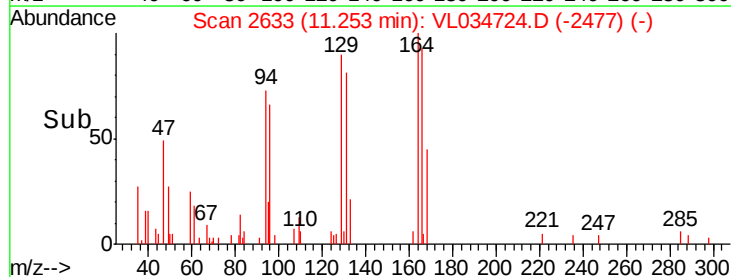
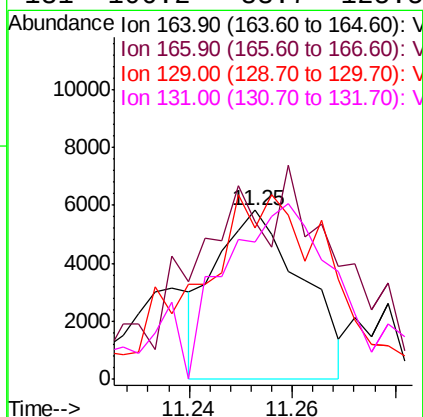
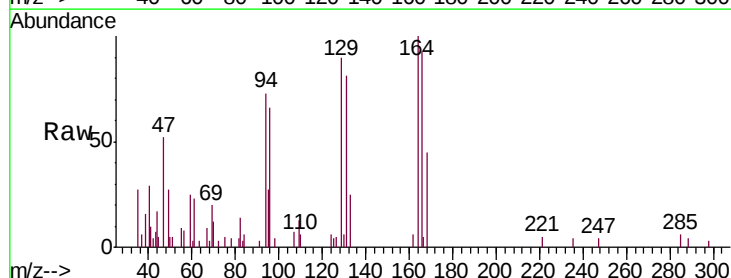
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIA

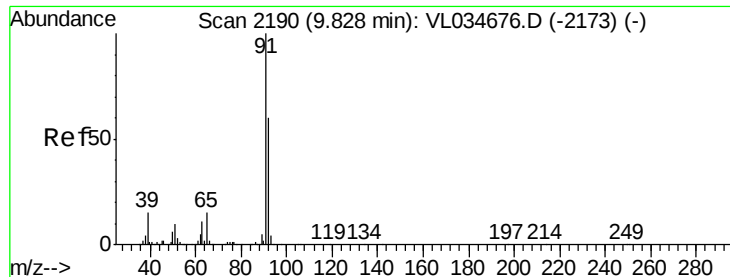
Tgt Ion: 43 Resp: 92021
 Ion Ratio Lower Upper
 43 100
 58 33.1 29.0 43.6



#52
 Tetrachloroethene
 Concen: 0.094 ppbv
 RT: 11.25 min Scan# 2633
 Delta R.T. 0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Tgt Ion: 164 Resp: 6797
 Ion Ratio Lower Upper
 164 100
 166 36.4 99.2 148.8#
 129 44.3 88.0 132.0#
 131 106.2 83.7 125.5





#53

Toluene

Concen: 4.413 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

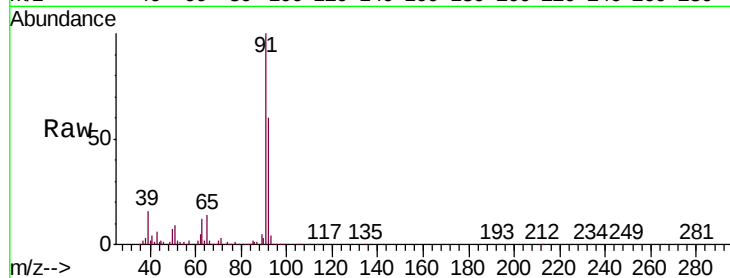
SG-3-CAFETERIA

Tgt Ion: 91 Resp: 926442

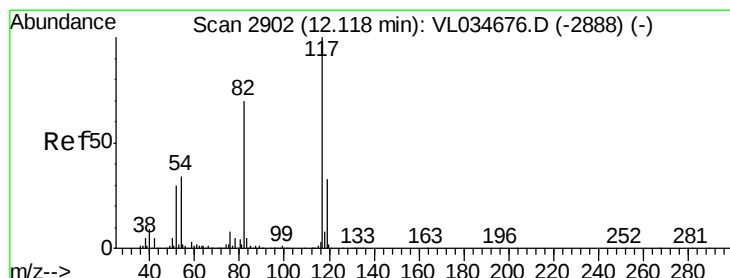
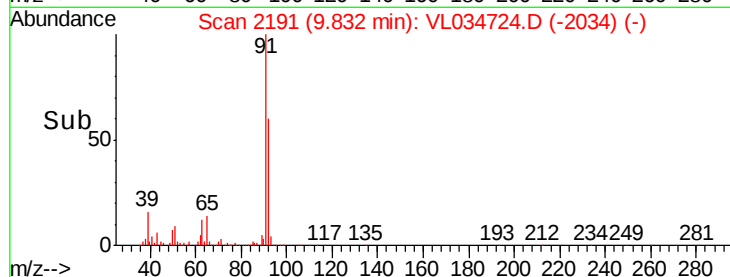
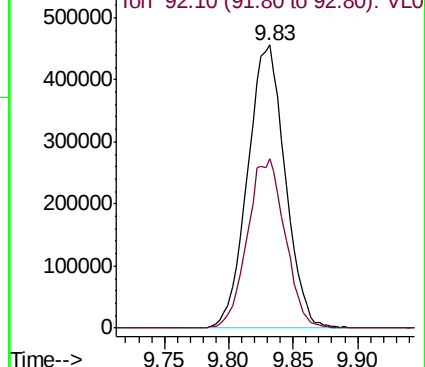
Ion Ratio Lower Upper

91 100

92 60.1 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

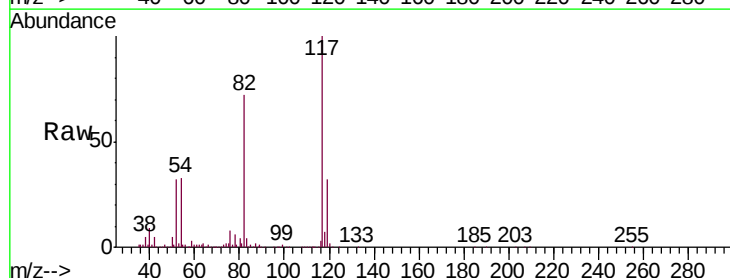
Tgt Ion: 117 Resp: 2279652

Ion Ratio Lower Upper

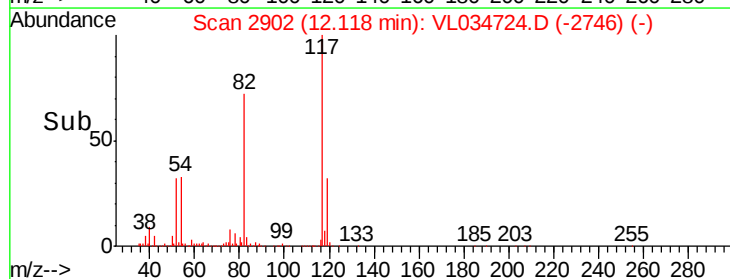
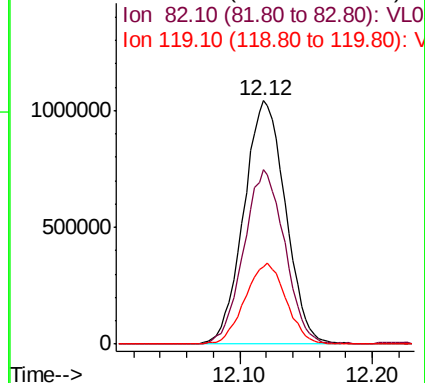
117 100

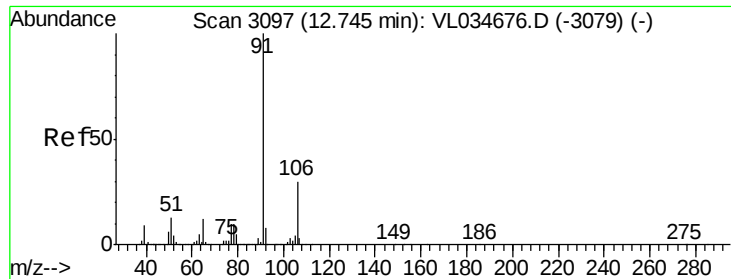
82 70.4 54.1 81.1

119 32.7 27.6 41.4



Abundance Ion 117.10 (116.80 to 117.80): V





#58

Ethyl Benzene

Concen: 0.762 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

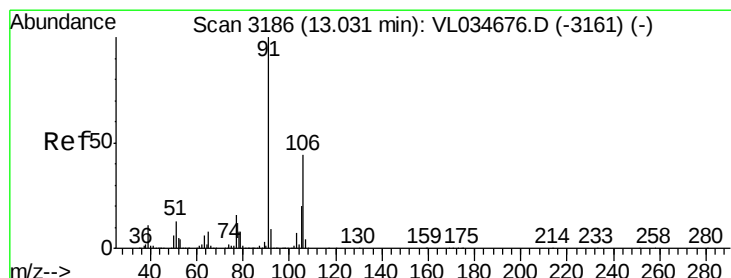
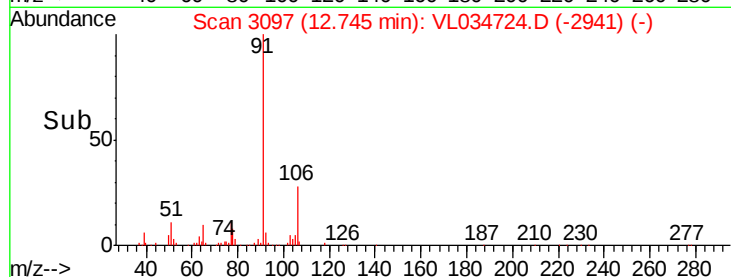
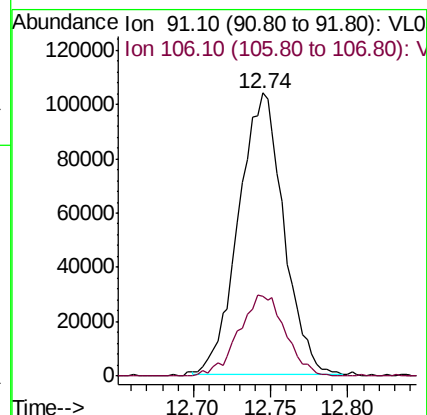
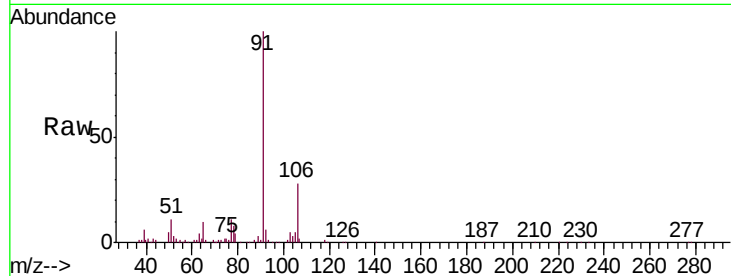
SG-3-CAFETERIA

Tgt Ion: 91 Resp: 210217

Ion Ratio Lower Upper

91 100

106 28.2 24.0 36.0



#59

m/p-Xylene

Concen: 2.748 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. -0.03 min

Lab File: VL034724.D

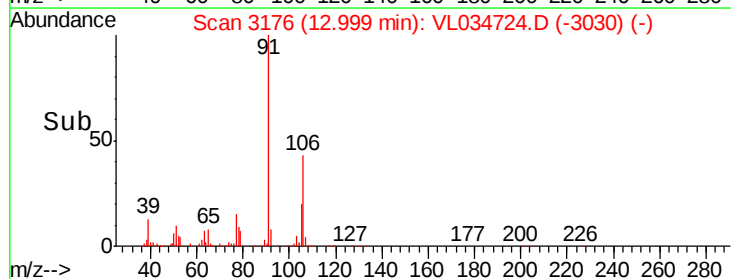
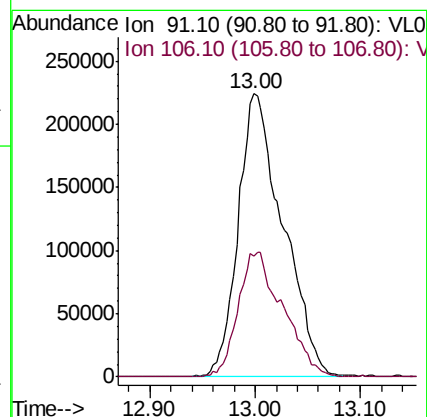
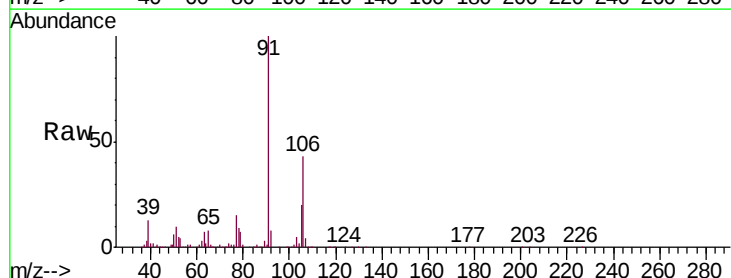
Acq: 28 Feb 2020 1:16

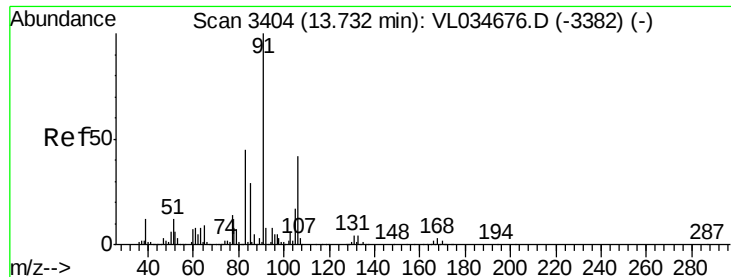
Tgt Ion: 91 Resp: 661043

Ion Ratio Lower Upper

91 100

106 44.2 35.6 53.4

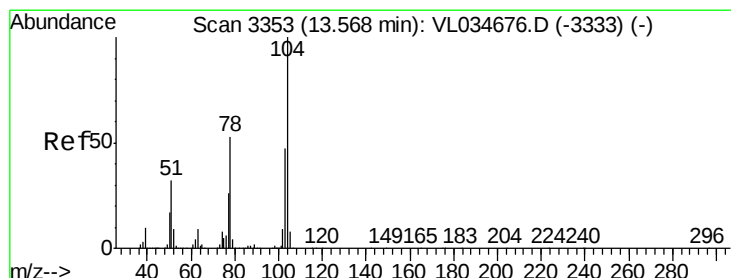
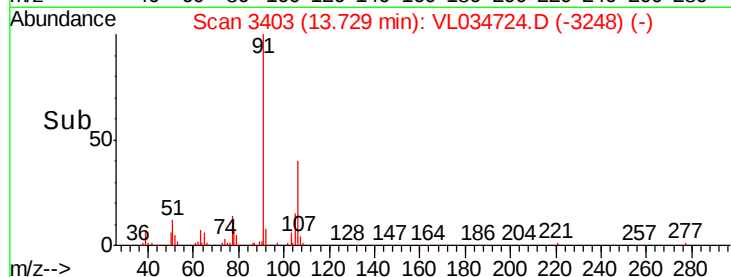
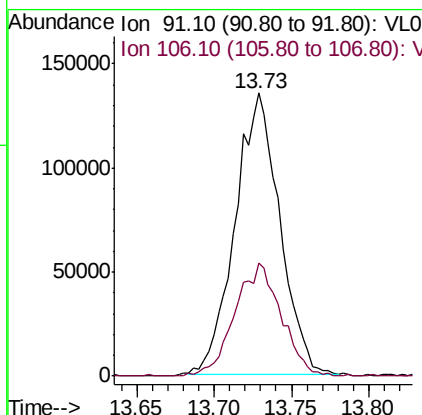
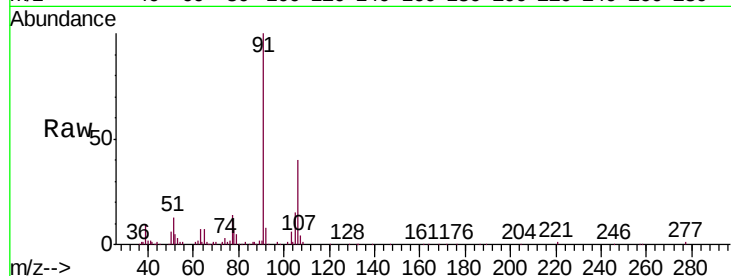




#60
o-Xylene
Concen: 1.133 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

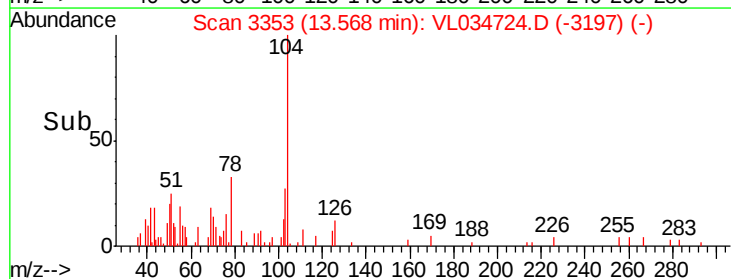
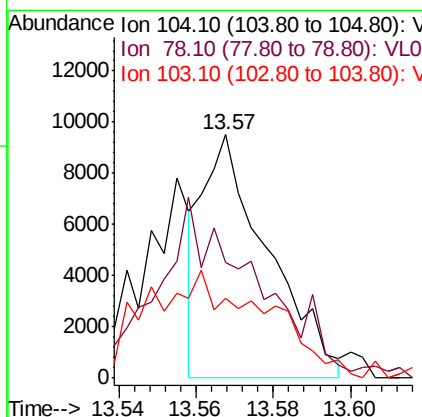
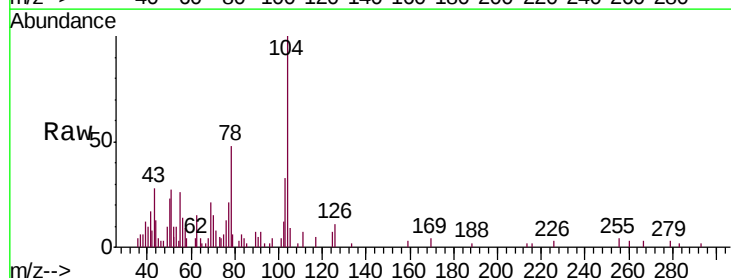
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

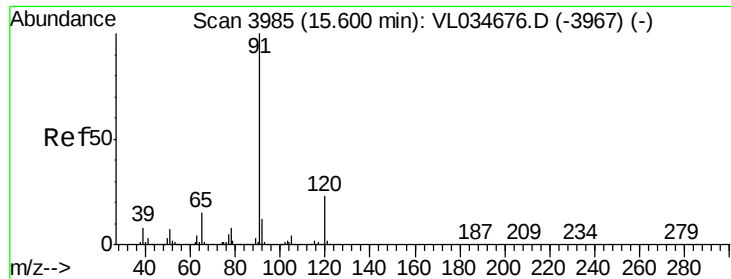
Tgt Ion: 91 Resp: 270346
Ion Ratio Lower Upper
91 100
106 41.8 21.9 65.5



#61
Styrene
Concen: 0.073 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion: 104 Resp: 11223
Ion Ratio Lower Upper
104 100
78 0.0 44.2 66.4#
103 0.0 37.4 56.0#





#64

n-propylbenzene

Concen: 0.163 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

Instrument :

MSVOA_L

ClientSampleId :

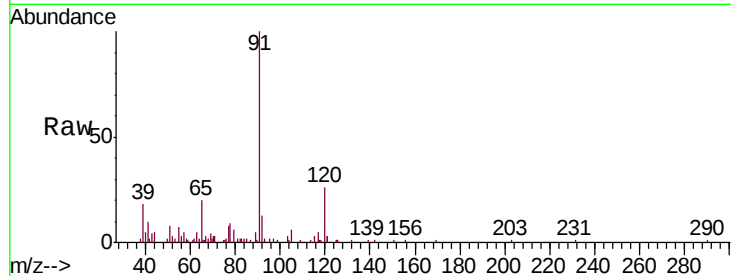
SG-3-CAFETERIA

Tgt Ion:120 Resp: 14620

Ion Ratio Lower Upper

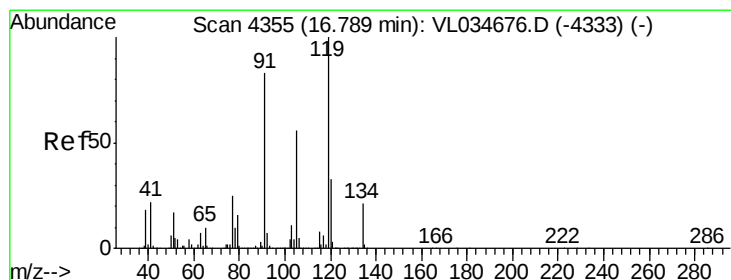
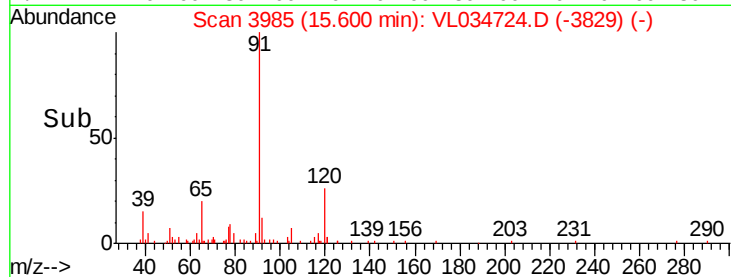
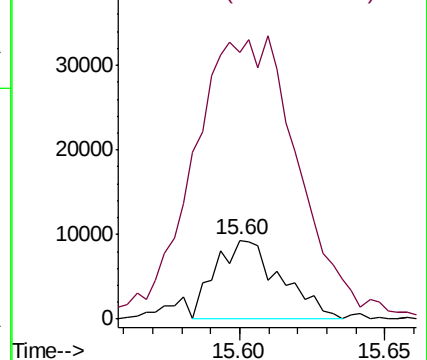
120 100

91 583.5 369.8 554.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.049 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.01 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

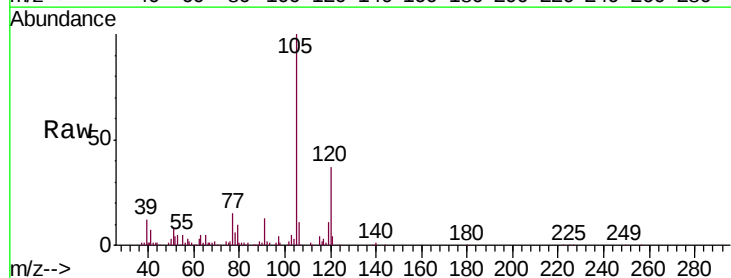
Tgt Ion:119 Resp: 14882

Ion Ratio Lower Upper

119 100

91 0.0 69.1 103.7#

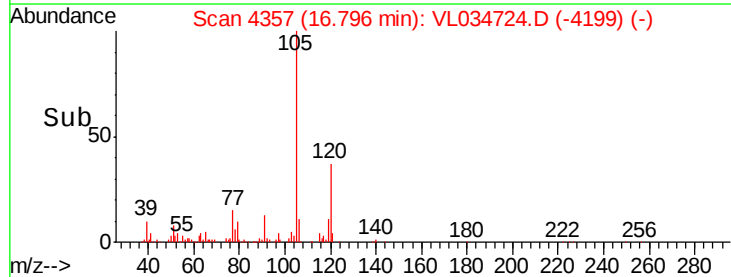
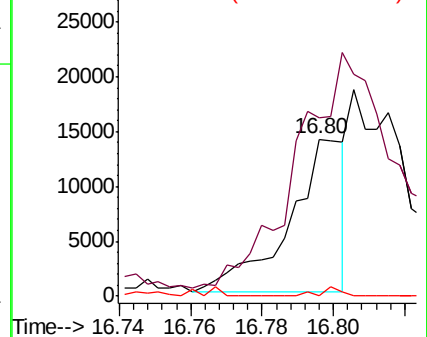
134 0.0 15.8 23.8#

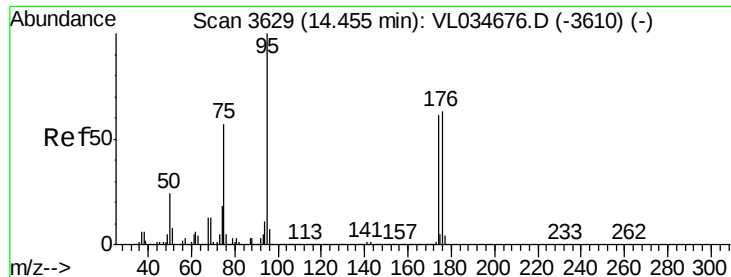


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

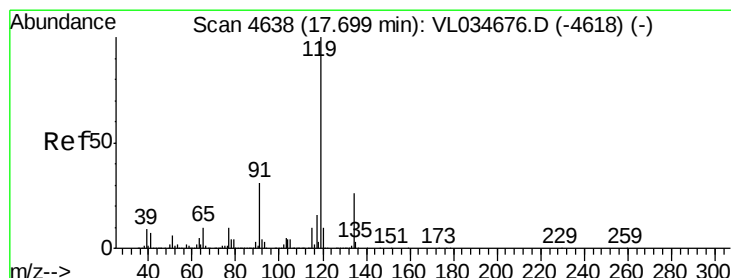
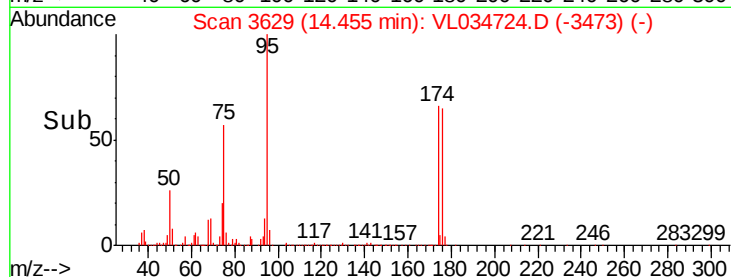
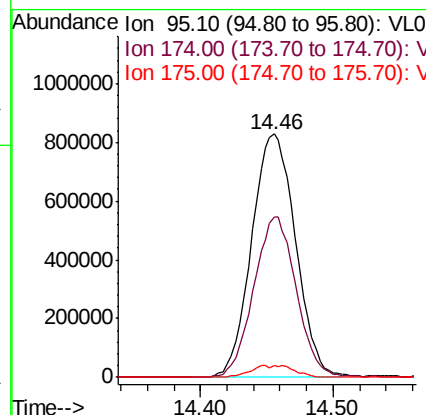
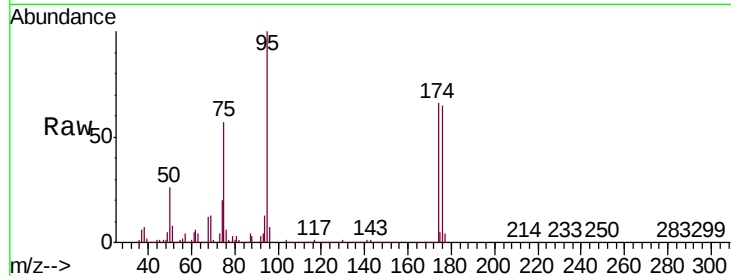




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.242 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

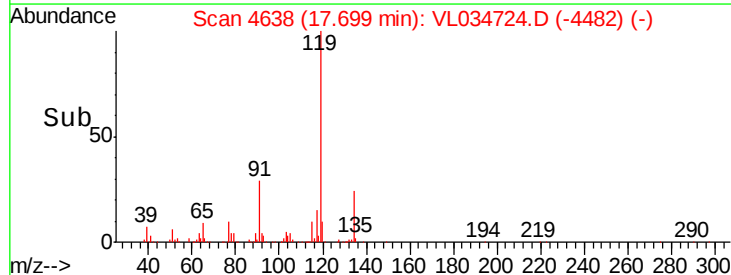
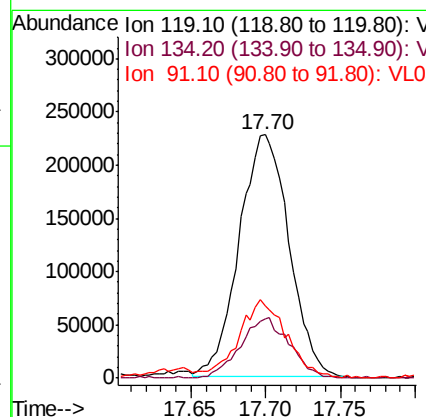
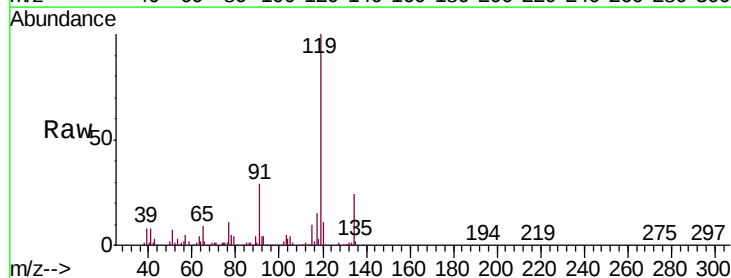
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIA

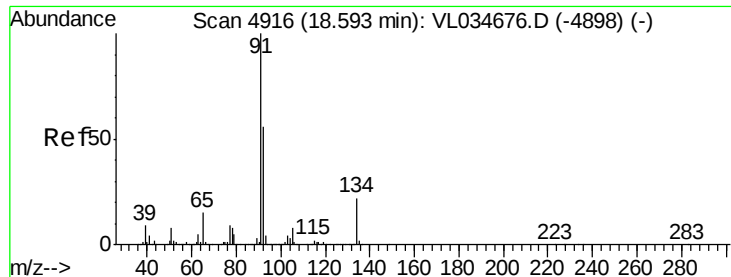
Tgt Ion: 95 Resp: 1914410
 Ion Ratio Lower Upper
 95 100
 174 64.1 50.7 76.1
 175 5.0 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 1.487 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Tgt Ion: 119 Resp: 529522
 Ion Ratio Lower Upper
 119 100
 134 24.2 20.6 31.0
 91 34.5 25.3 37.9

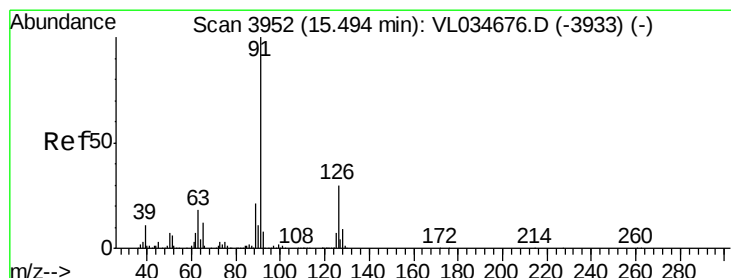
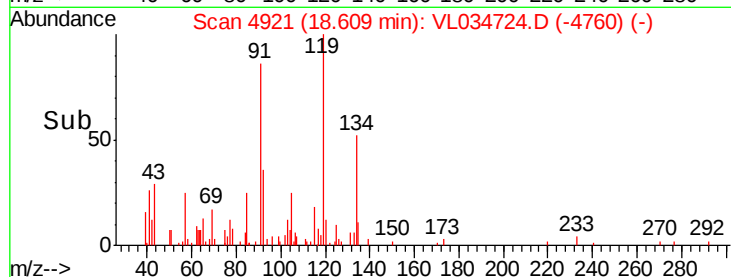
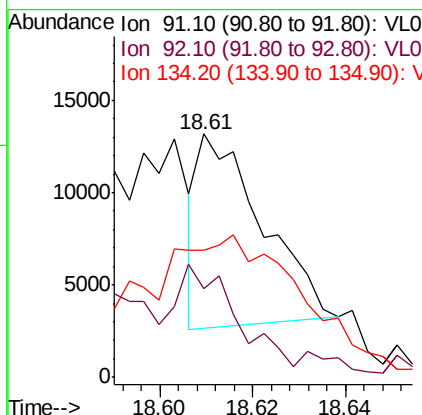
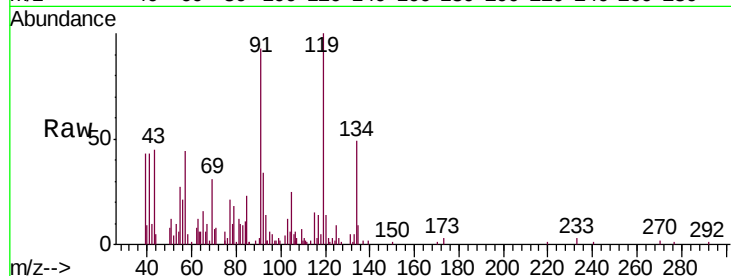




#70
n-Butylbenzene
Concen: 0.026 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. 0.02 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

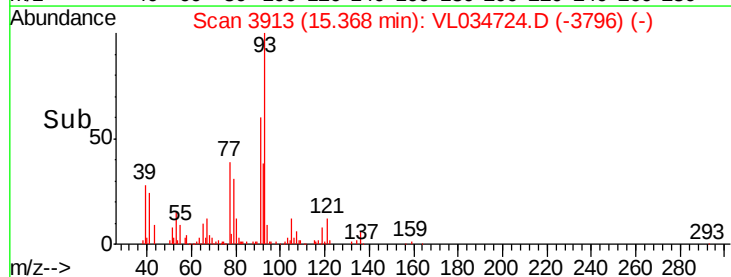
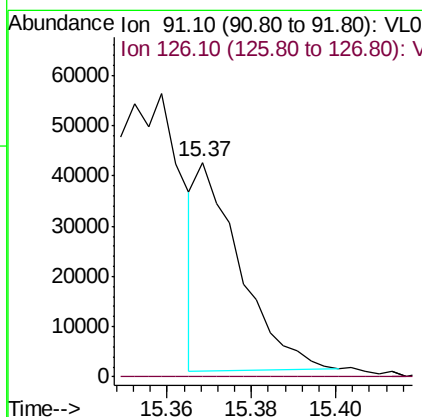
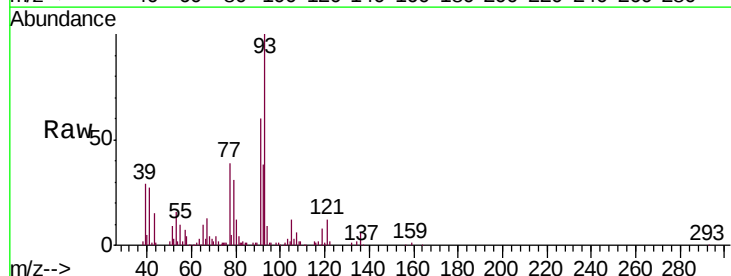
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIA

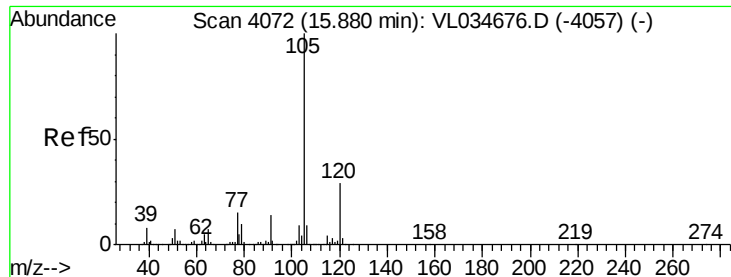
Tgt Ion: 91 Resp: 9980
Ion Ratio Lower Upper
91 100
92 143.1 43.8 65.6#
134 269.6 17.6 26.4#



#71
2-Chlorotoluene
Concen: 0.110 ppbv
RT: 15.37 min Scan# 3913
Delta R.T. -0.13 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion: 91 Resp: 29541
Ion Ratio Lower Upper
91 100
126 0.5 11.8 47.2#





#72

4-Ethyltoluene

Concen: 0.171 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034724.D

Acq: 28 Feb 2020 1:16

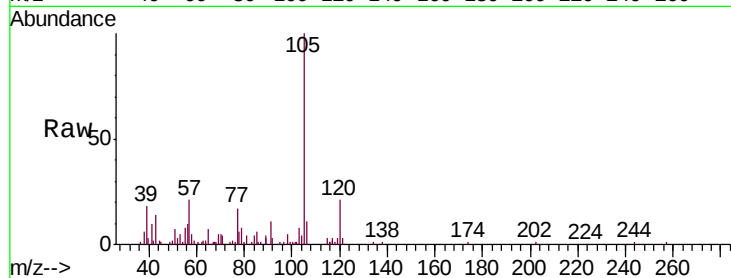
Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIA

Tgt Ion:	105	Resp:	45314
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.7	35.5#
91	0.0	10.9	16.3#
77	0.0	12.2	18.2#

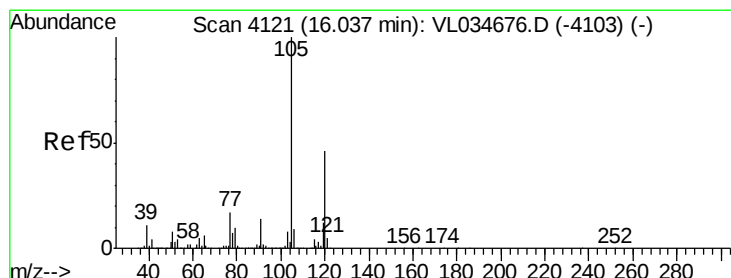
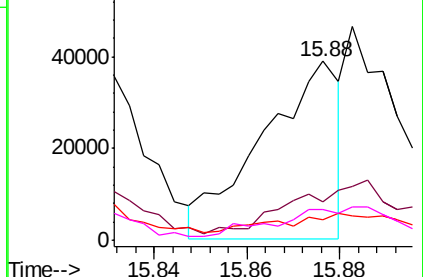
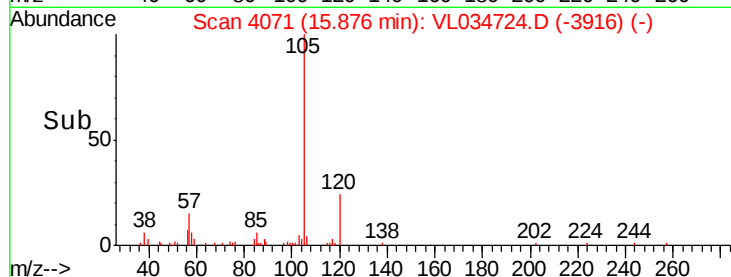


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.300 ppbv

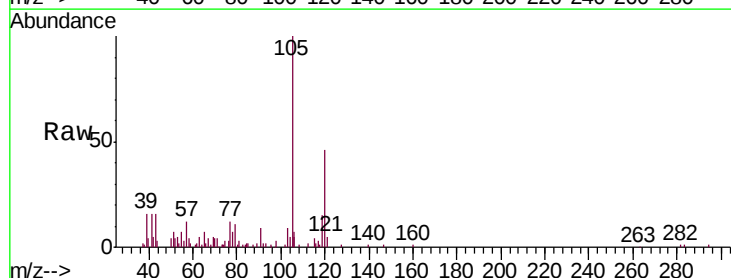
RT: 16.04 min Scan# 4122

Delta R.T. 0.00 min

Lab File: VL034724.D

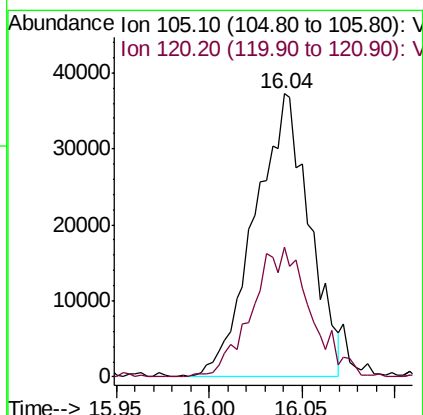
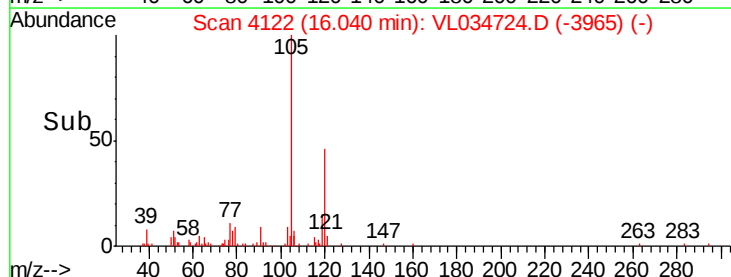
Acq: 28 Feb 2020 1:16

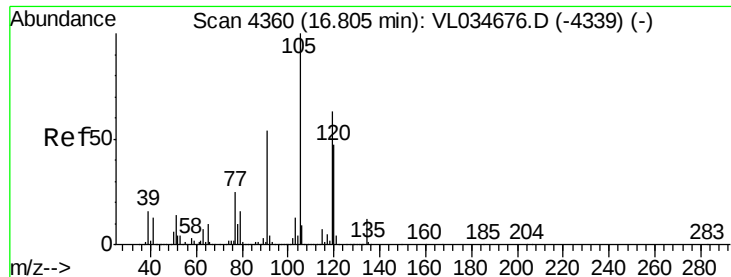
Tgt Ion:	105	Resp:	76580
Ion	Ratio	Lower	Upper
105	100		
120	43.5	37.1	55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

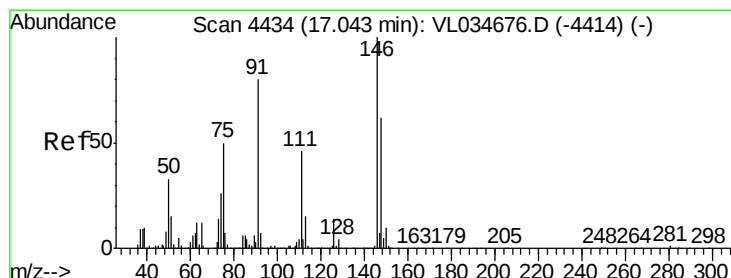
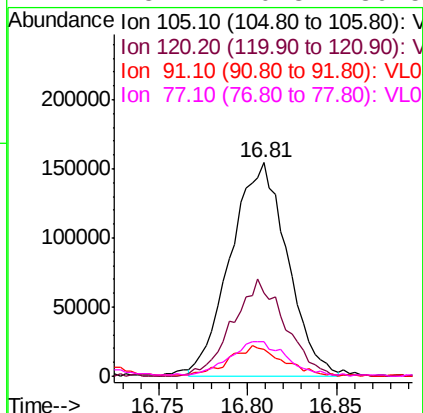
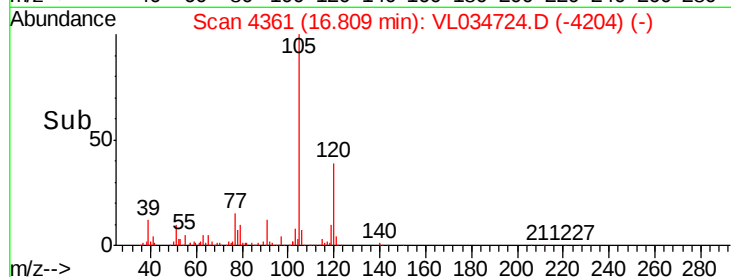
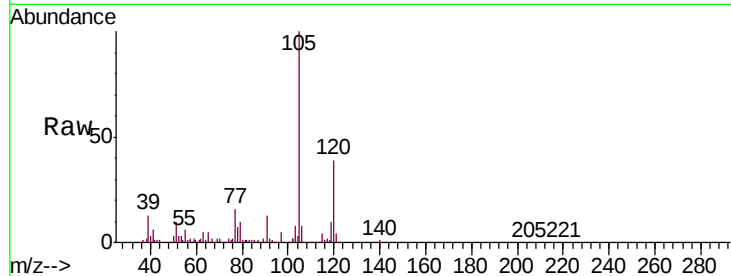




#74
 1,2,4-Trimethylbenzene
 Concen: 1.212 ppbv
 RT: 16.81 min Scan# 4361
 Delta R.T. 0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

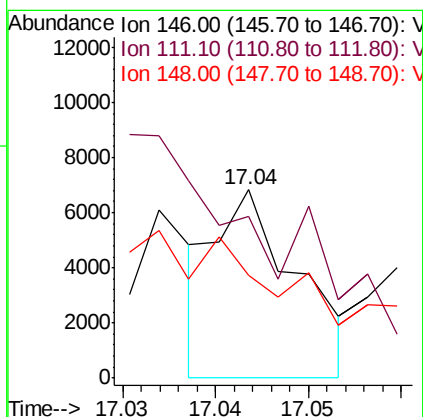
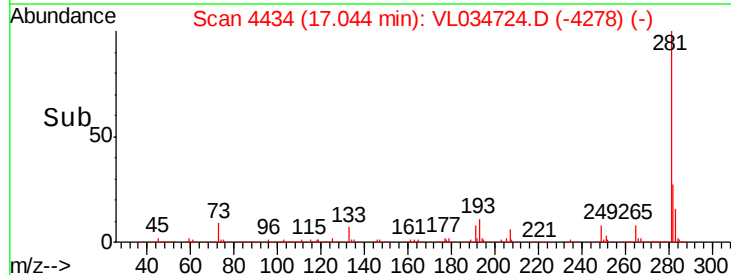
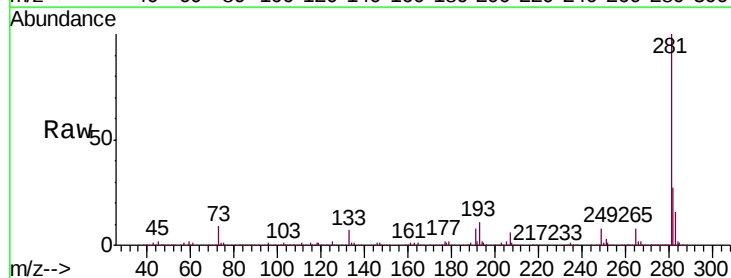
Instrument :
 MSVOA_L
 ClientSampleId :
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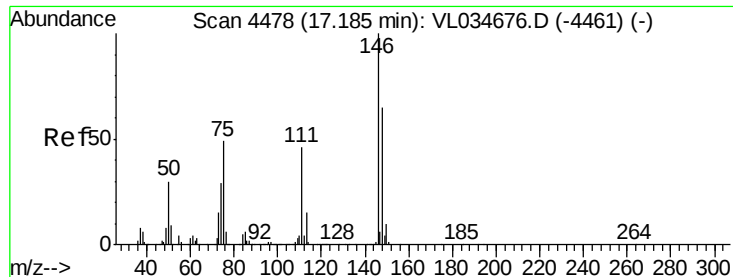
Tgt Ion:	105	Resp:	342000
Ion	Ratio	Lower	Upper
105	100		
120	39.3	37.9	56.9
91	12.7	43.9	65.9#
77	15.7	20.3	30.5#



#75
 1,3-Dichlorobenzene
 Concen: 0.026 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.00 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Tgt Ion:	146	Resp:	4178
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.4	73.2#
148	0.0	32.5	97.4#

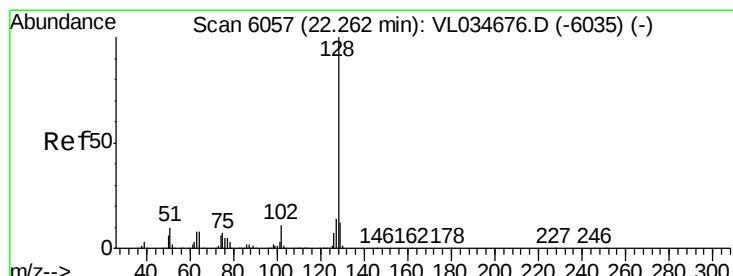
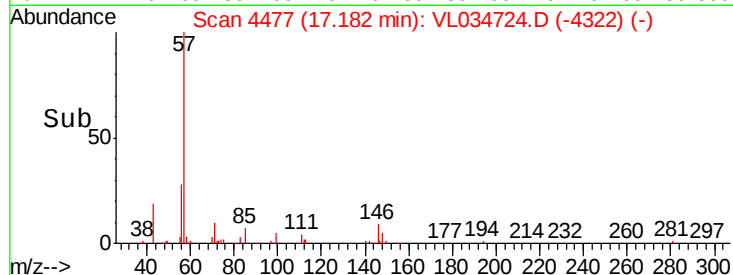
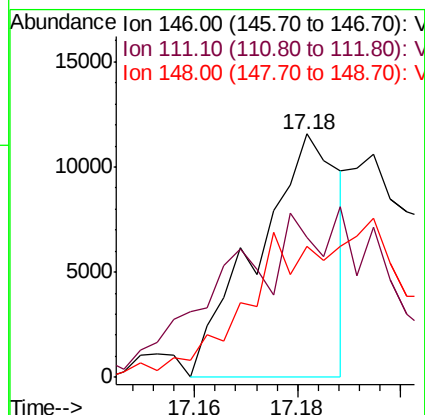
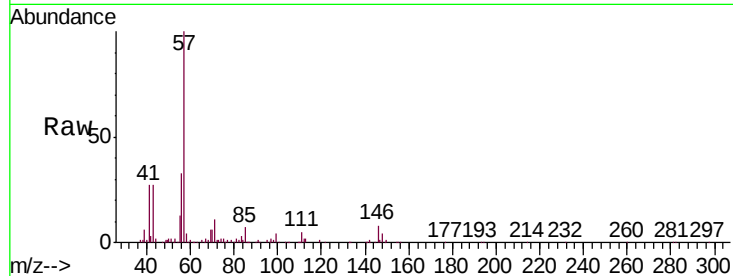




#76
1,4-Dichlorobenzene
Concen: 0.078 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.00 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

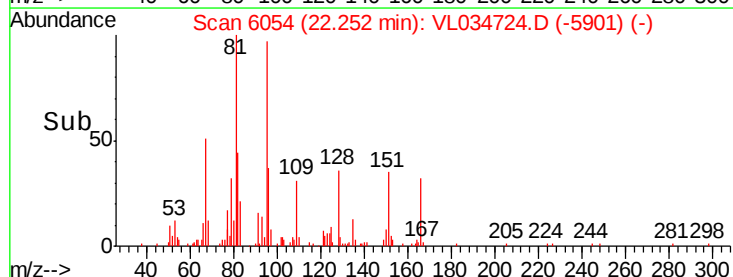
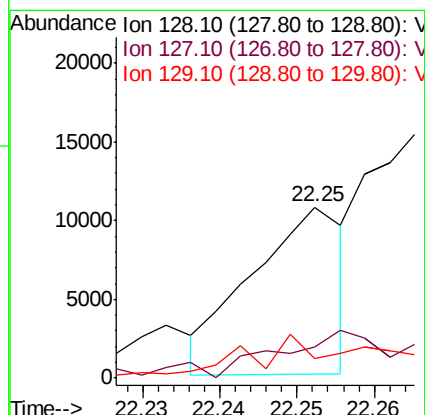
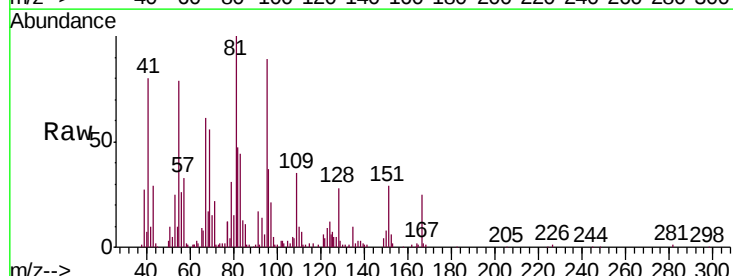
Instrument :
MSVOA_L
ClientSampleId :
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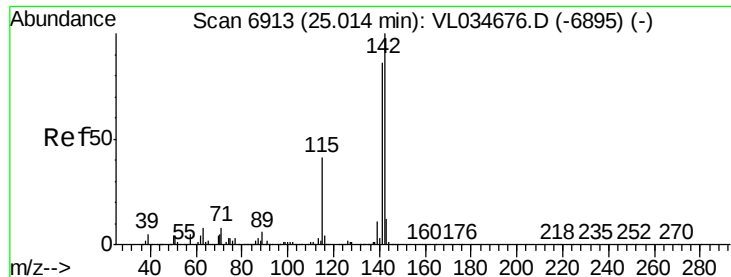
Tgt Ion:146 Resp: 12738
Ion Ratio Lower Upper
146 100
111 158.9 23.4 70.0#
148 0.0 31.9 95.5#



#79
Naphthalene
Concen: 0.036 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL034724.D
Acq: 28 Feb 2020 1:16

Tgt Ion:128 Resp: 8888
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 10.6 9.4 14.2





#80
 Naphthalene, 2-methyl-
 Concen: 0.043 ppbv
 RT: 25.02 min Scan# 6916
 Delta R.T. 0.01 min
 Lab File: VL034724.D
 Acq: 28 Feb 2020 1:16

Instrument :
 MSVOA_L
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	55.4	66.5	99.7#
115	133.2	30.6	46.0#

