

Data File : VL034722.D
Acq On : 27 Feb 2020 23:56
Operator : SY/AP
Sample : L1661-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Quant Time: Feb 28 01:12:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1066898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2246154	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2241818	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1876918	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.93	51	3892928	33.811	ppbv #	58
4) Chloromethane	3.11	50	18392	0.285	ppbv #	59
5) Vinyl Chloride	3.22	62	2586	0.041	ppbv #	56
7) Chloroethane	3.53	64	5916	0.252	ppbv #	88
9) Propene	2.98	41	31435	0.653	ppbv #	64
10) Heptane	8.13	43	77324	0.624	ppbv	96
11) Trichlorofluoromethane	3.93	101	44411	0.301	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3606	0.035	ppbv #	11
13) Ethanol	3.59	45	3839460	252.524	ppbv	99
15) Acetone	3.82	43	2685607	22.090	ppbv	98
16) 1,3-Butadiene	3.27	39	65333	1.161	ppbv #	15
17) tert-Butyl alcohol	4.29	59	613545	6.586	ppbv	100
19) Isopropyl Alcohol	3.96	45	5170609	71.403	ppbv #	98
20) Methylene Chloride	4.33	84	29542	0.653	ppbv #	84
21) Allyl Chloride	4.29	41	258958	3.219	ppbv #	67
22) trans-1,2-Dichloroethene	4.88	96	5503	0.121	ppbv #	73
23) Vinyl Acetate	5.05	43	120925	0.732	ppbv #	61
24) 1,1-Dichloroethane	5.00	63	8759	0.066	ppbv #	94
25) Ethyl Acetate	5.68	43	71066	0.330	ppbv #	58
26) Hexane	5.69	57	93608	0.944	ppbv #	74
27) Carbon Disulfide	4.54	76	41165	0.366	ppbv #	82
29) Chloroform	5.75	83	74716	0.473	ppbv	96
30) Cyclohexane	7.14	84	19923	0.259	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	270003	2.766	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	8008	0.054	ppbv #	1
34) 2-Butanone	5.24	43	422447	2.988	ppbv	97
35) Carbon Tetrachloride	7.02	117	11639	0.077	ppbv #	52
36) Benzene	6.90	78	98689	0.509	ppbv	97
38) Trichloroethene	7.85	130	690641	9.236	ppbv	97
39) 1,2-Dichloropropane	7.19	63	634383	8.219	ppbv #	23
40) 1,4-Dioxane	7.86	88	561	0.021	ppbv #	1
41) Tetrahydrofuran	6.05	42	205902	2.759	ppbv	99
44) 2,2,4-Trimethylpentane	7.88	57	130705	0.385	ppbv #	7
50) 4-Methyl-2-Pentanone	8.77	43	122395	0.611	ppbv	94
51) 2-Hexanone	10.16	43	6420	0.041	ppbv #	30
52) Tetrachloroethene	11.25	164	12076	0.170	ppbv #	56
53) Toluene	9.83	91	1011177	4.901	ppbv	100
58) Ethyl Benzene	12.74	91	266005	0.981	ppbv	97
59) m/p-Xylene	13.00	91	781005	3.301	ppbv	100
60) o-Xylene	13.73	91	322368	1.373	ppbv	98
61) Styrene	13.56	104	21862	0.145	ppbv #	84

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

Data File : VL034722.D
Acq On : 27 Feb 2020 23:56
Operator : SY/AP
Sample : L1661-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Quant Time: Feb 28 01:12:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.61	120	9995	0.113	ppbv #	1
65) tert-Butylbenzene	16.80	119	25058	0.085	ppbv #	18
69) p-Isopropyltoluene	17.70	119	534901	1.527	ppbv	96
70) n-Butylbenzene	18.61	91	11474	0.030	ppbv #	1
72) 4-Ethyltoluene	15.88	105	62244	0.238	ppbv #	66
73) 1,3,5-Trimethylbenzene	16.04	105	87605	0.349	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	386022	1.391	ppbv #	70
75) 1,3-Dichlorobenzene	17.04	146	3386	0.021	ppbv #	22
76) 1,4-Dichlorobenzene	17.18	146	30488	0.190	ppbv	89
79) Naphthalene	22.27	128	17013	0.070	ppbv #	85
80) Naphthalene,2-methyl-	25.02	142	13238	0.176	ppbv #	85

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

Data File : VL034722.D

Acq On : 27 Feb 2020 23:56

Operator : SY/AP

Sample : L1661-02

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

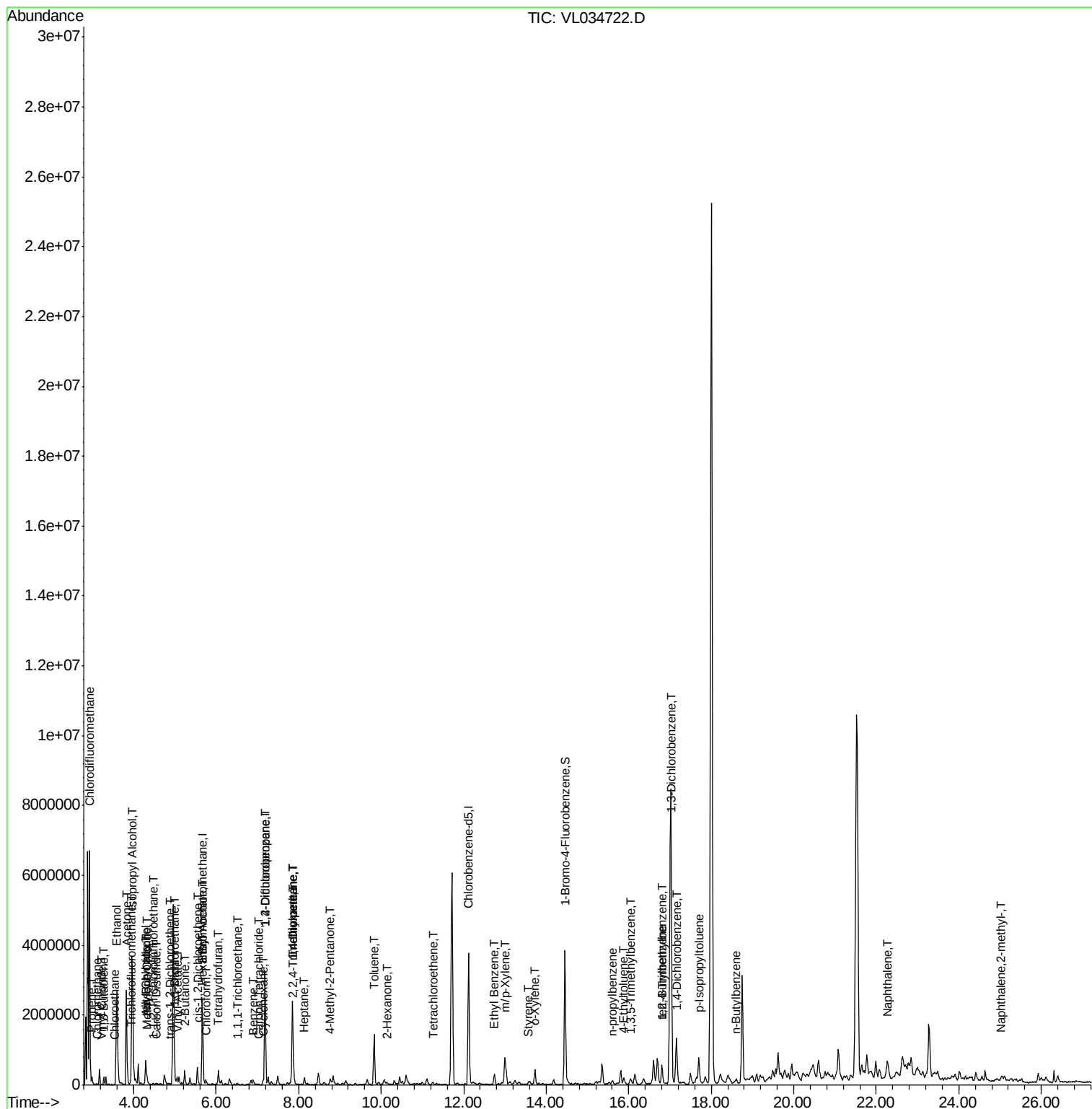
Quant Time: Feb 28 01:12:14 2020

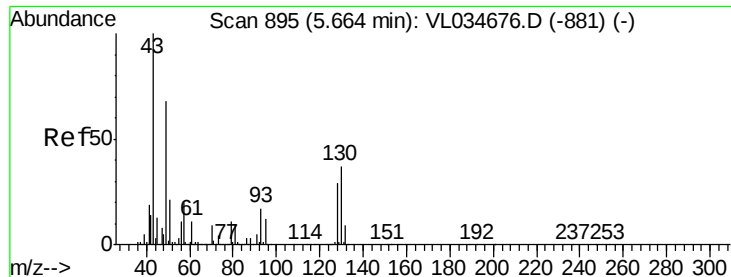
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL022620AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020

QLast Update : Wed Feb 26 06:58:15 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

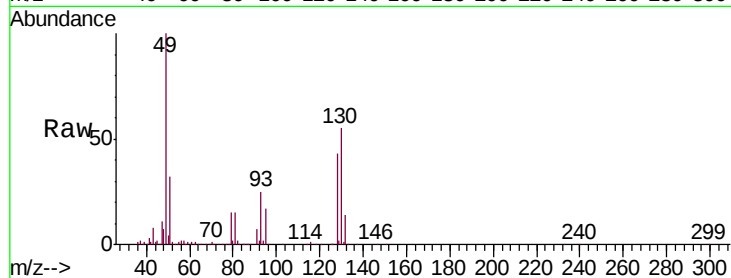
Tgt Ion: 49 Resp: 1066898

Ion Ratio Lower Upper

49 100

128 44.0 21.6 65.0

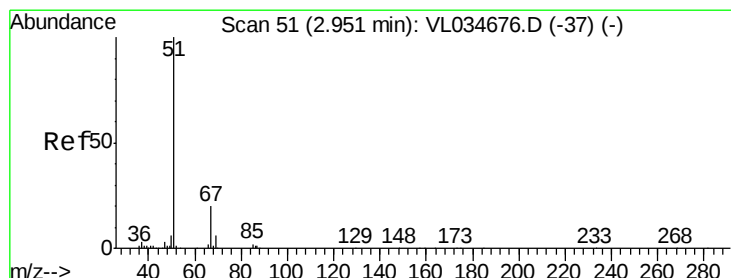
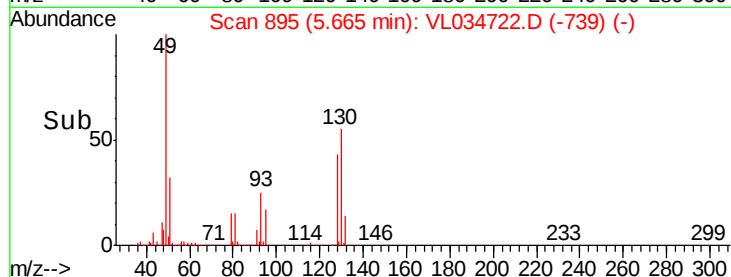
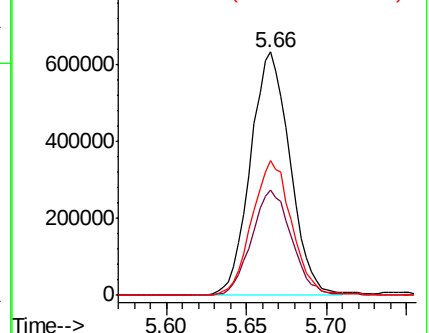
130 56.2 27.7 83.1



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



#3

Chlorodifluoromethane

Concen: 33.811 ppbv

RT: 2.93 min Scan# 44

Delta R.T. -0.02 min

Lab File: VL034722.D

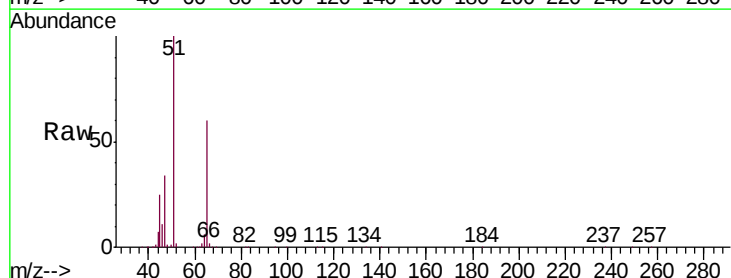
Acq: 27 Feb 2020 23:56

Tgt Ion: 51 Resp: 3892928

Ion Ratio Lower Upper

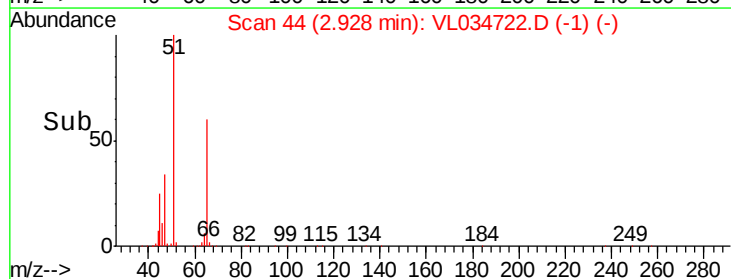
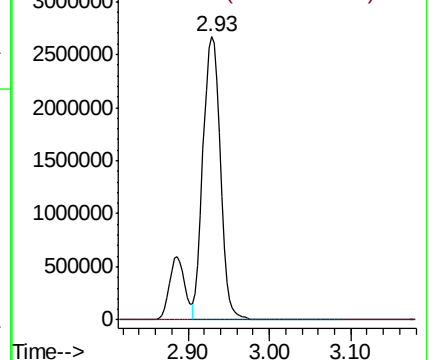
51 100

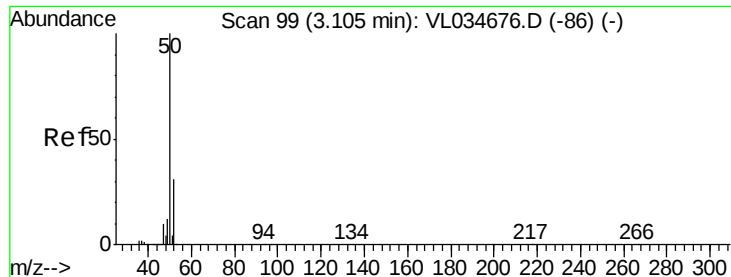
67 0.3 15.5 23.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.285 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

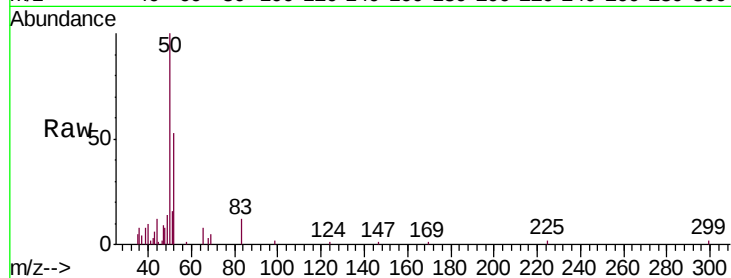
SG-2-MUSIC-RM

Tgt Ion: 50 Resp: 18392

Ion Ratio Lower Upper

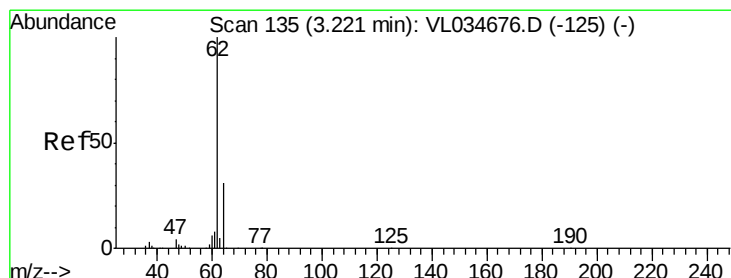
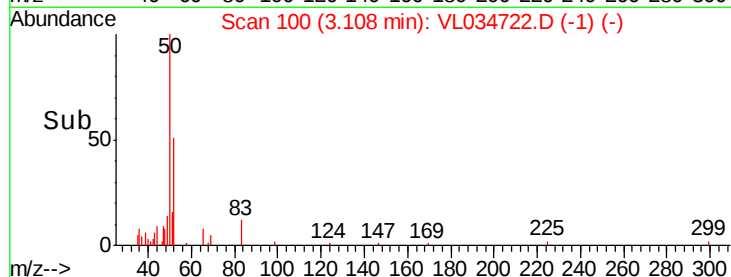
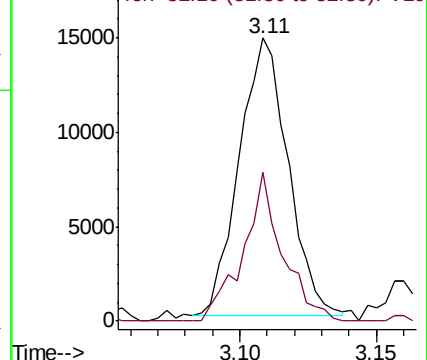
50 100

52 53.6 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 0.041 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034722.D

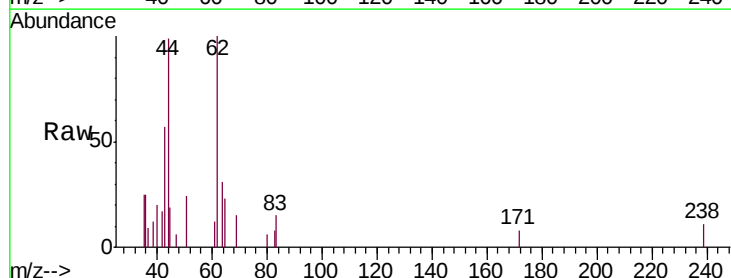
Acq: 27 Feb 2020 23:56

Tgt Ion: 62 Resp: 2586

Ion Ratio Lower Upper

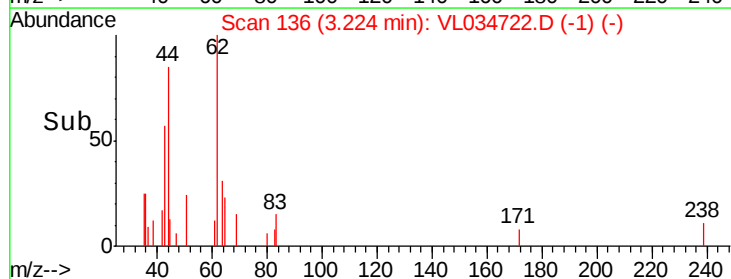
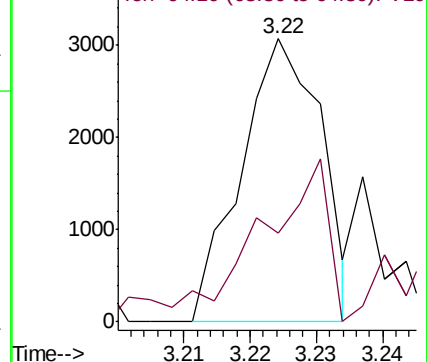
62 100

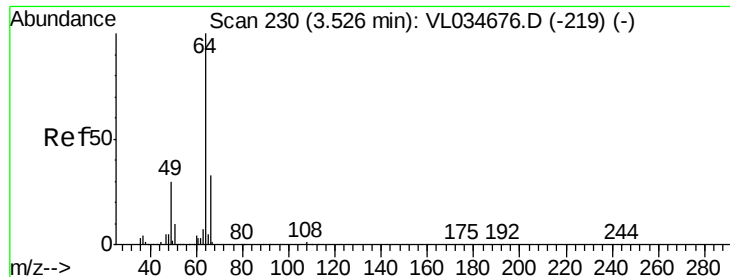
64 54.9 24.7 37.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.252 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

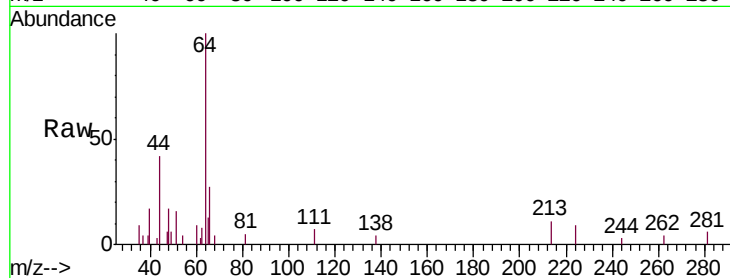
SG-2-MUSIC-RM

Tgt Ion: 64 Resp: 5916

Ion Ratio Lower Upper

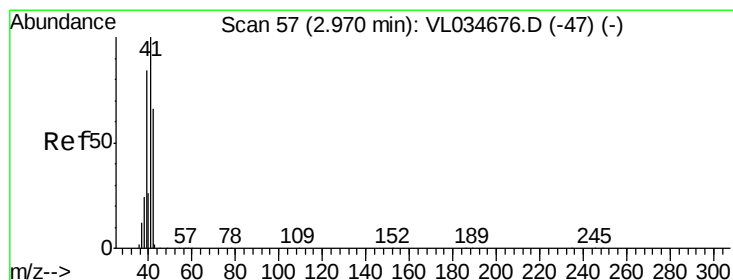
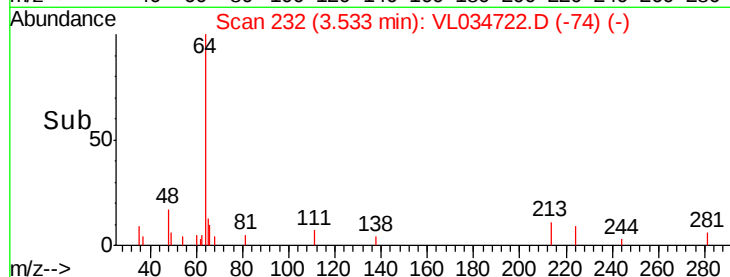
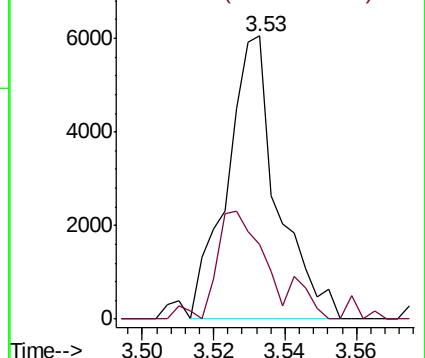
64 100

66 26.6 26.7 40.1#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.653 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034722.D

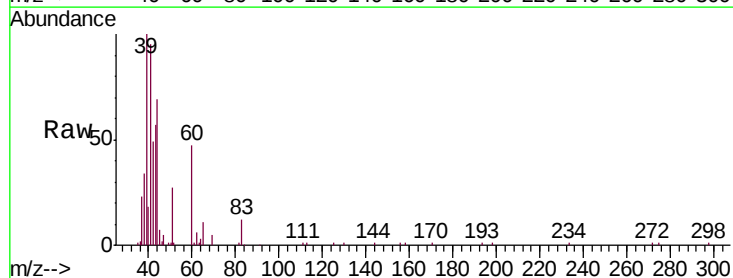
Acq: 27 Feb 2020 23:56

Tgt Ion: 41 Resp: 31435

Ion Ratio Lower Upper

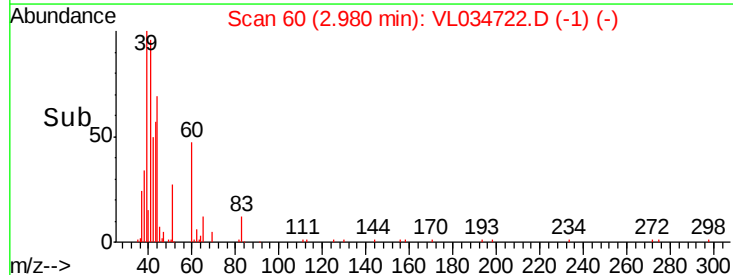
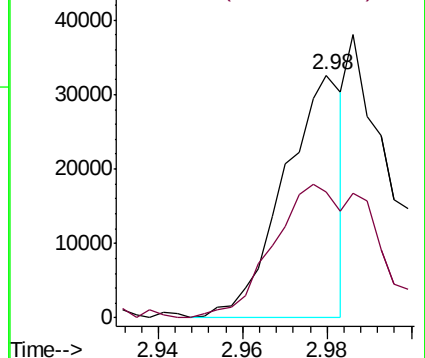
41 100

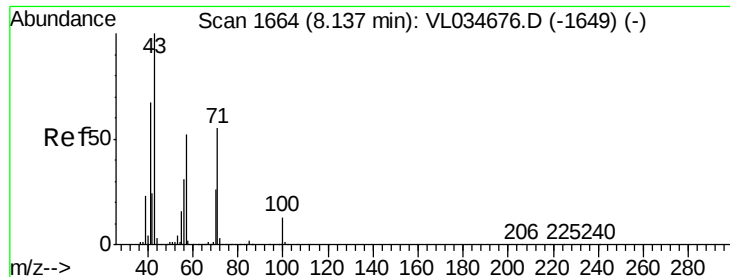
42 98.0 54.9 82.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.624 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

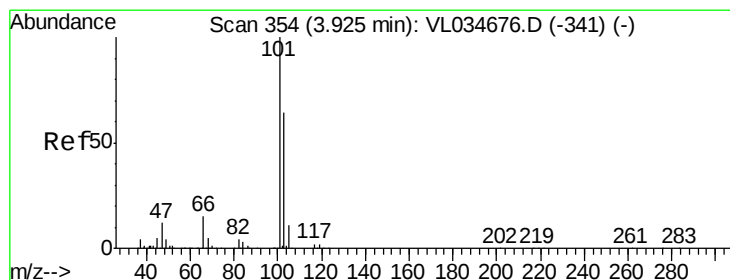
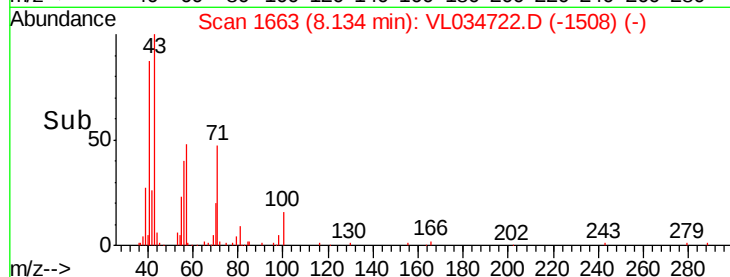
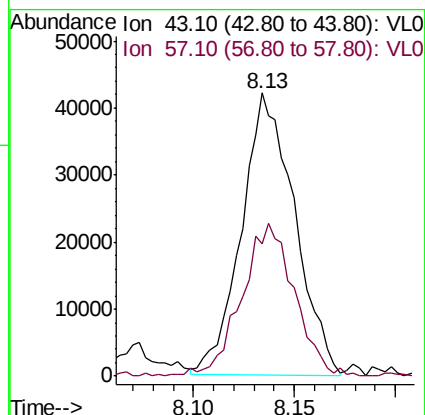
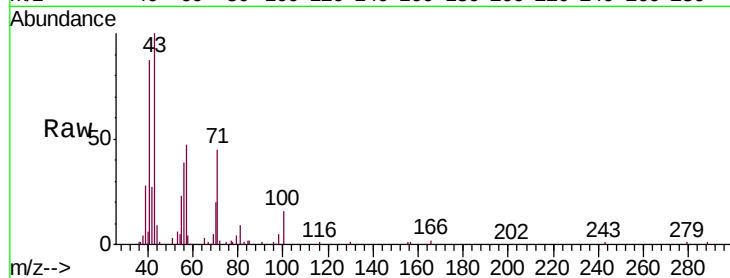
SG-2-MUSIC-RM

Tgt Ion: 43 Resp: 77324

Ion Ratio Lower Upper

43 100

57 54.4 41.0 61.6



#11

Trichlorofluoromethane

Concen: 0.301 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034722.D

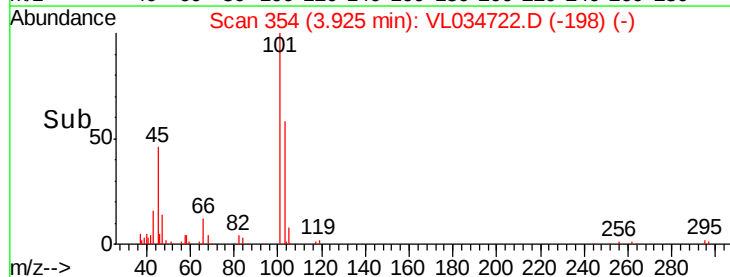
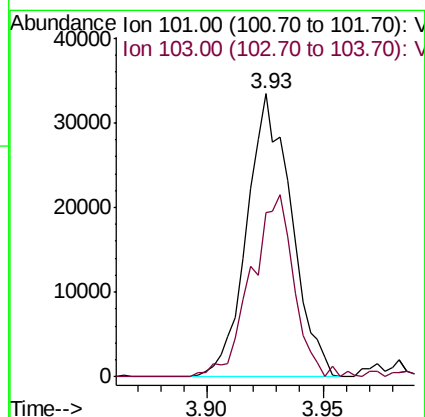
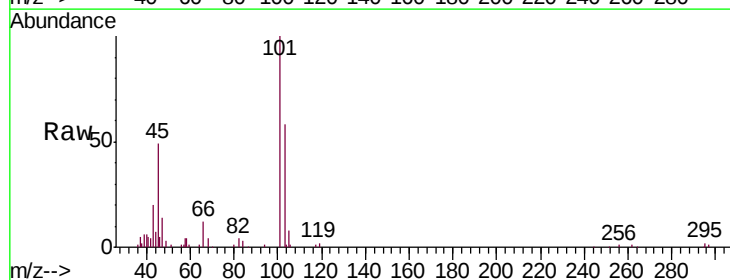
Acq: 27 Feb 2020 23:56

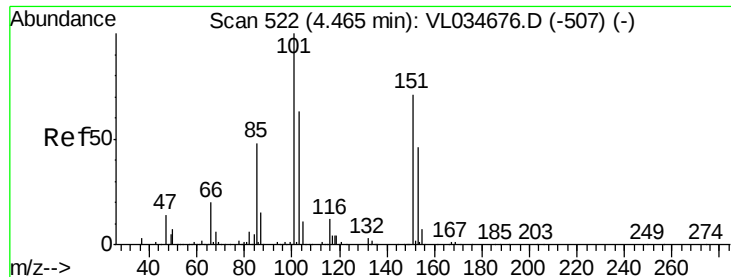
Tgt Ion: 101 Resp: 44411

Ion Ratio Lower Upper

101 100

103 58.2 51.2 76.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

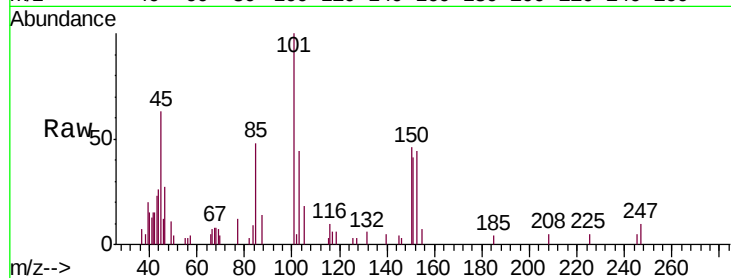
SG-2-MUSIC-RM

Tgt Ion:101 Resp: 3606

Ion Ratio Lower Upper

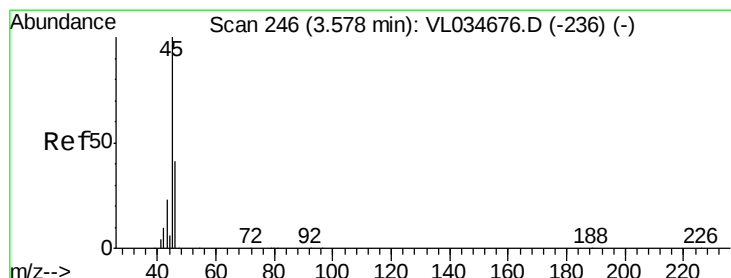
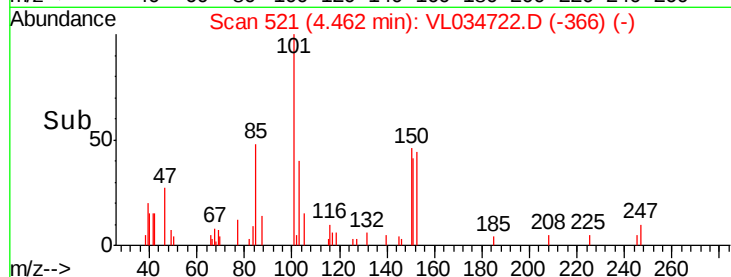
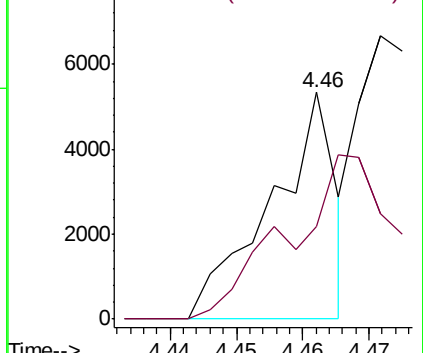
101 100

151 143.0 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: 252.524 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL034722.D

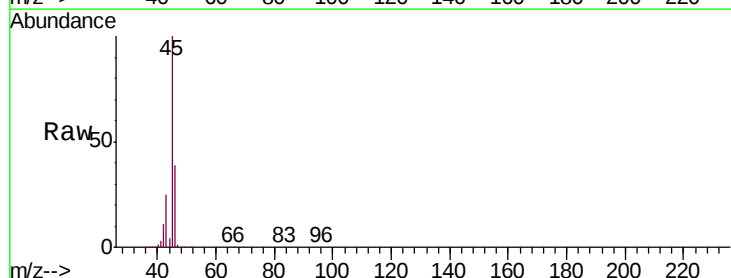
Acq: 27 Feb 2020 23:56

Tgt Ion: 45 Resp: 3839460

Ion Ratio Lower Upper

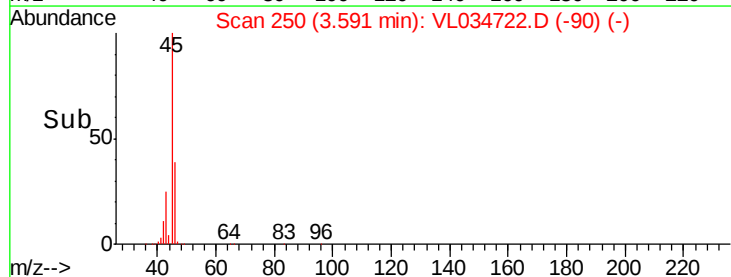
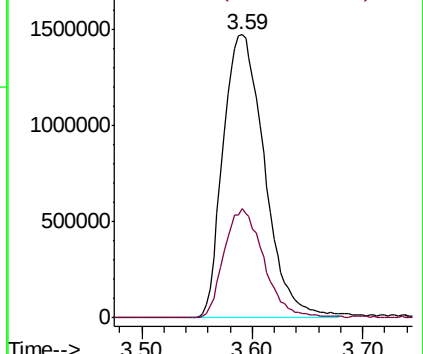
45 100

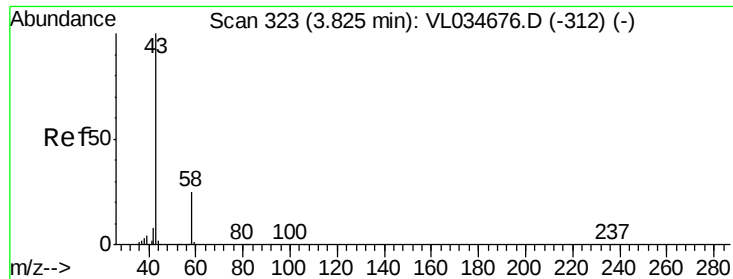
46 37.7 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 22.090 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

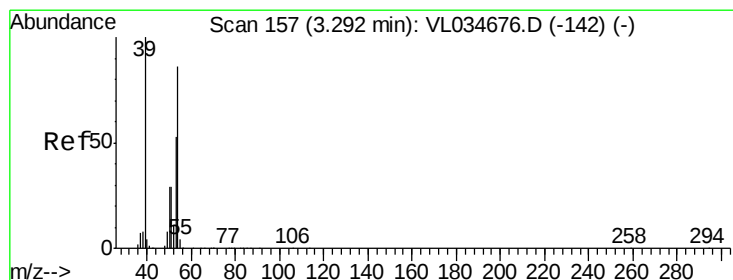
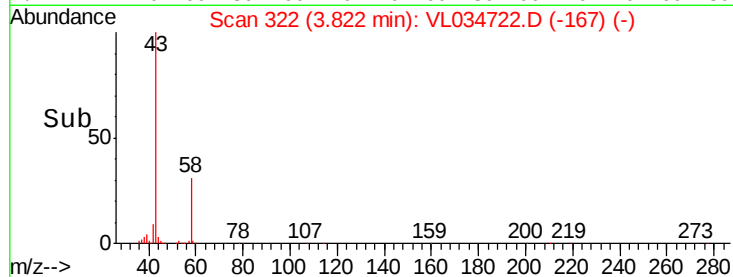
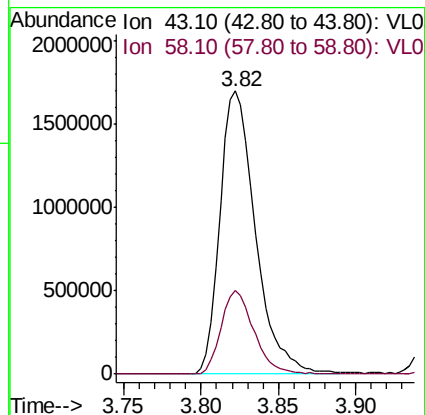
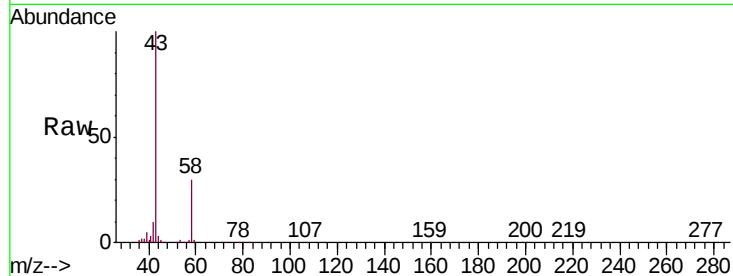
SG-2-MUSIC-RM

Tgt Ion: 43 Resp: 2685607

Ion Ratio Lower Upper

43 100

58 27.9 21.4 32.0



#16

1,3-Butadiene

Concen: 1.161 ppbv

RT: 3.27 min Scan# 151

Delta R.T. -0.02 min

Lab File: VL034722.D

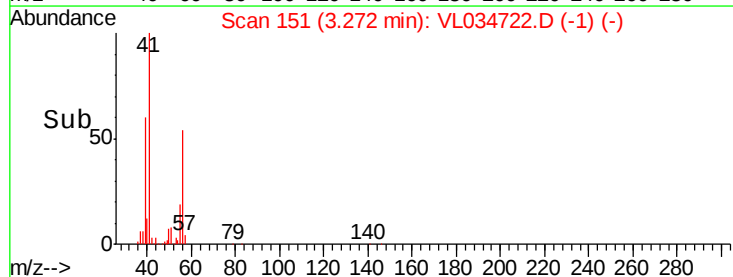
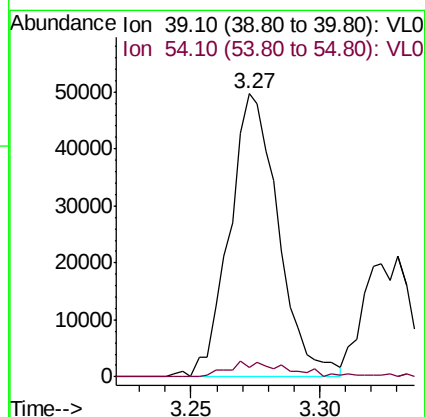
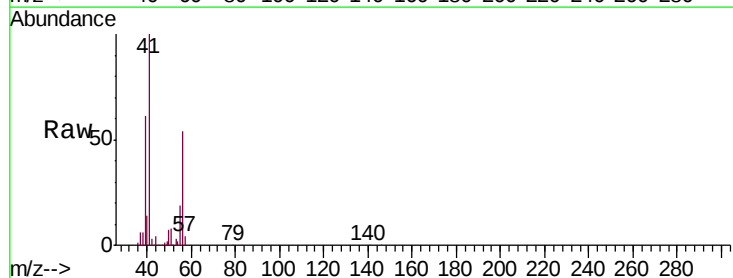
Acq: 27 Feb 2020 23:56

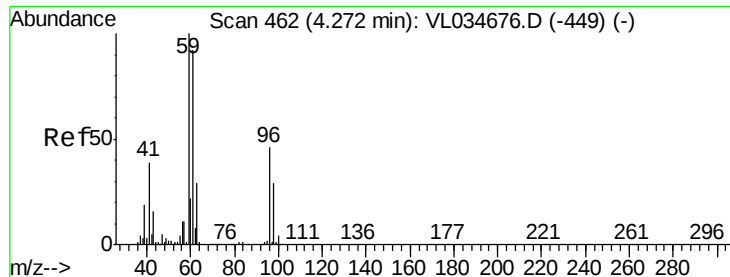
Tgt Ion: 39 Resp: 65333

Ion Ratio Lower Upper

39 100

54 7.2 67.0 100.6#





#17

tert-Butyl alcohol

Concen: 6.586 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

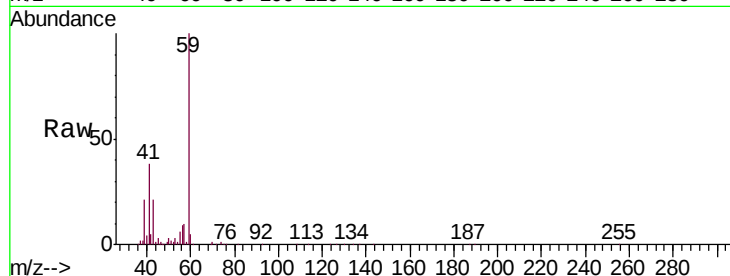
SG-2-MUSIC-RM

Tgt Ion: 59 Resp: 613545

Ion Ratio Lower Upper

59 100

57 10.9 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

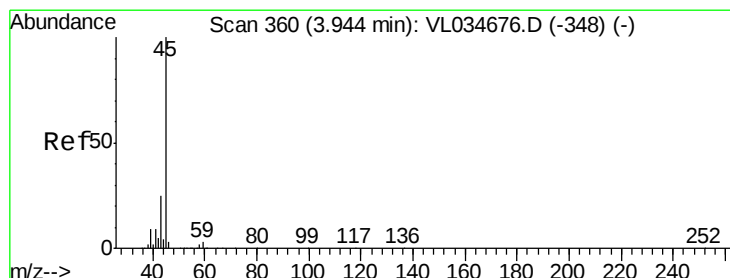
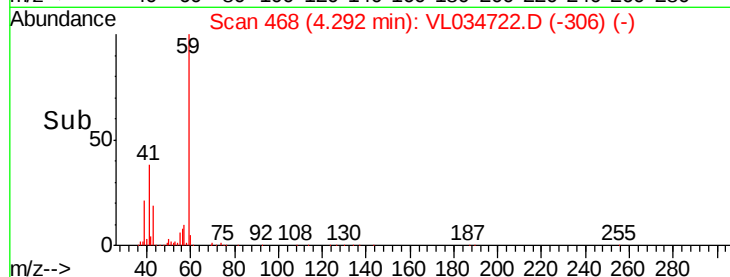
300000

200000

100000

0

Time-->



#19

Isopropyl Alcohol

Concen: 71.403 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL034722.D

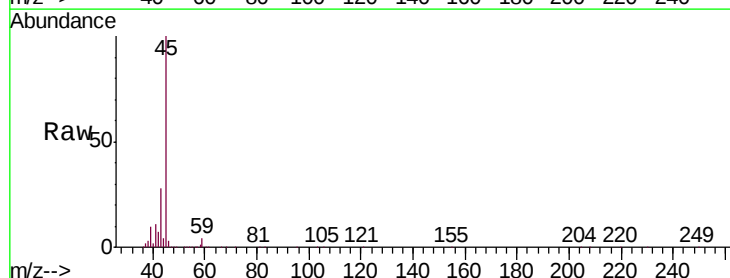
Acq: 27 Feb 2020 23:56

Tgt Ion: 45 Resp: 5170609

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

2500000

2000000

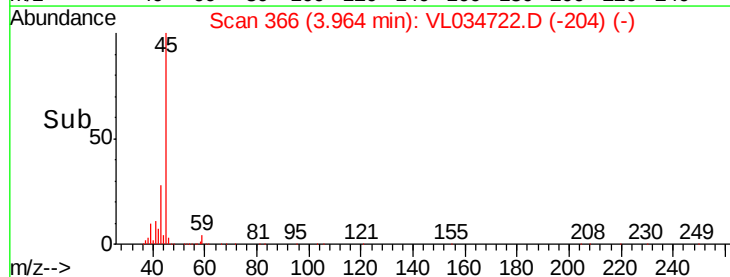
1500000

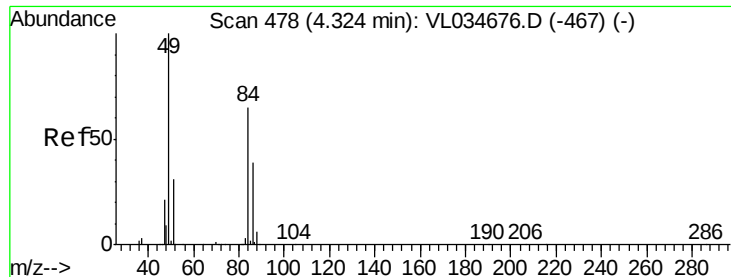
1000000

500000

0

Time-->

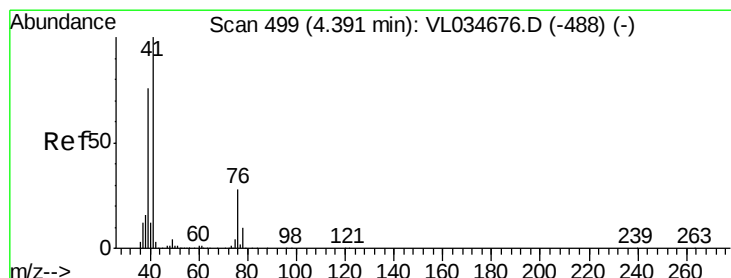
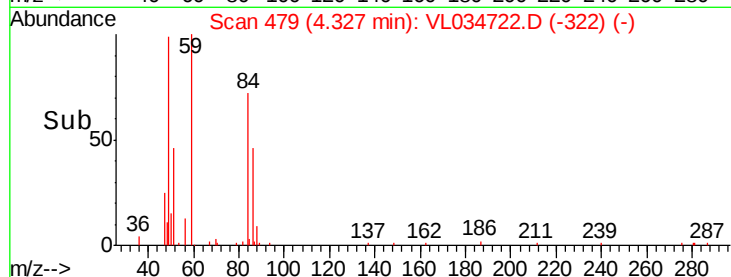
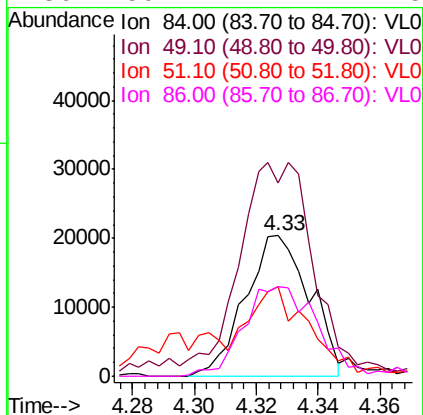
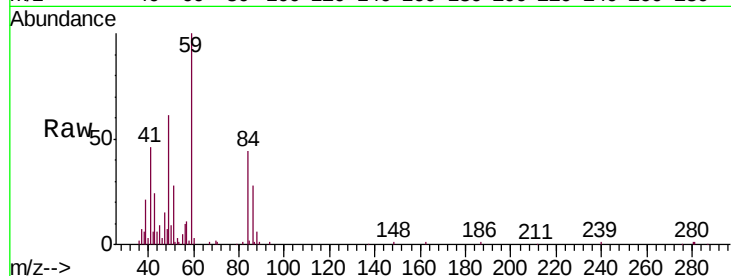




#20
Methylene Chloride
Concen: 0.653 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

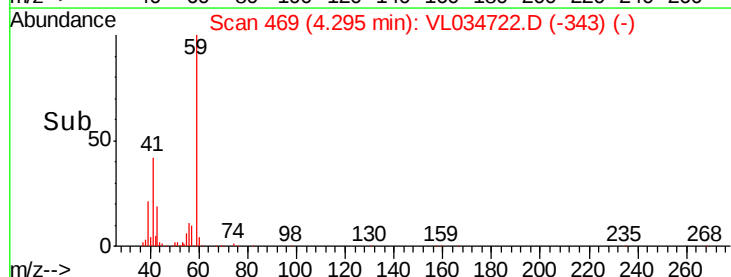
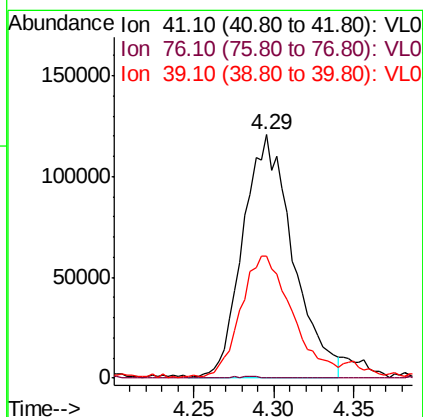
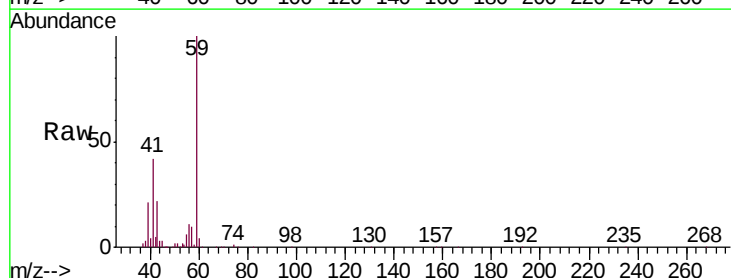
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

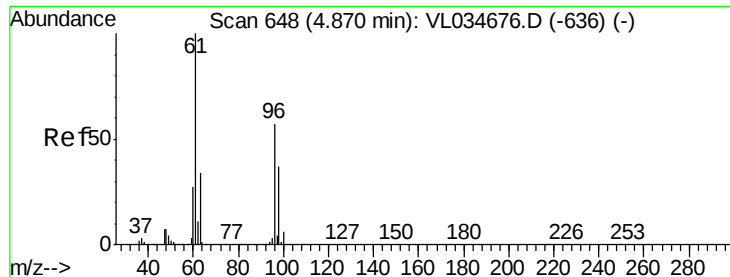
Tgt Ion: 84 Resp: 29542
Ion Ratio Lower Upper
84 100
49 120.8 122.8 184.2#
51 51.5 38.6 58.0
86 59.4 47.7 71.5



#21
Allyl Chloride
Concen: 3.219 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.10 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion: 41 Resp: 258958
Ion Ratio Lower Upper
41 100
76 0.0 22.8 34.2#
39 55.1 61.7 92.5#





#22

trans-1,2-Dichloroethene

Concen: 0.121 ppbv

RT: 4.88 min Scan# 650

Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

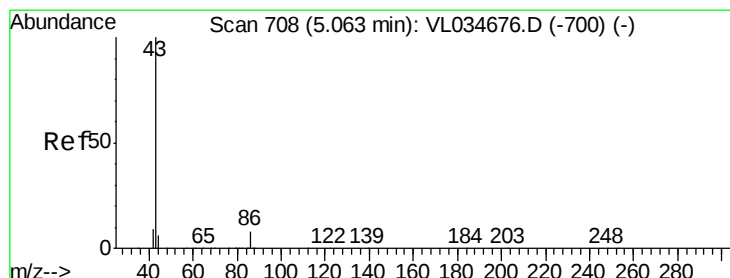
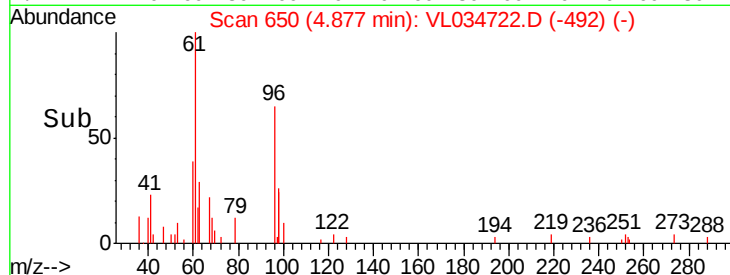
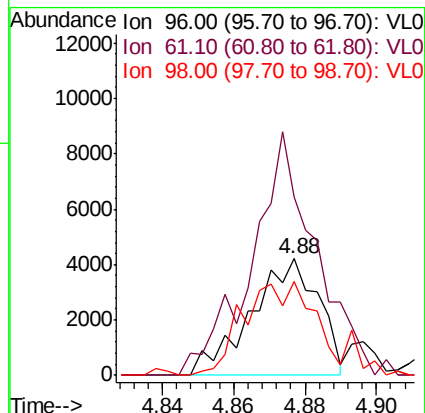
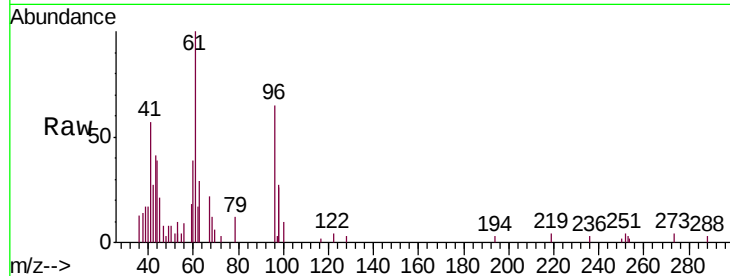
Tgt Ion: 96 Resp: 5503

Ion Ratio Lower Upper

96 100

61 133.6 139.4 209.0#

98 80.5 51.3 76.9#



#23

Vinyl Acetate

Concen: 0.732 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion: 43 Resp: 120925

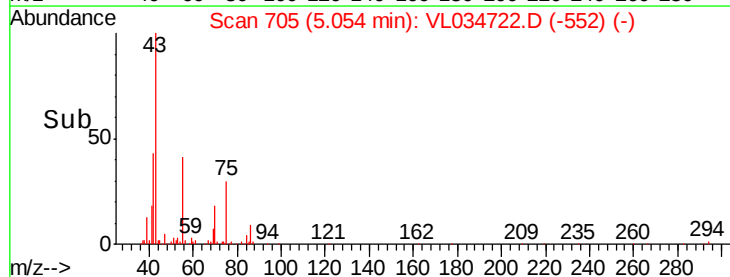
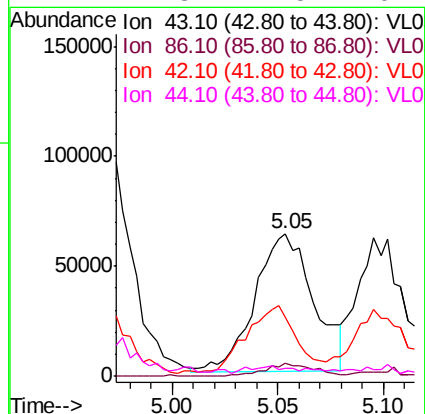
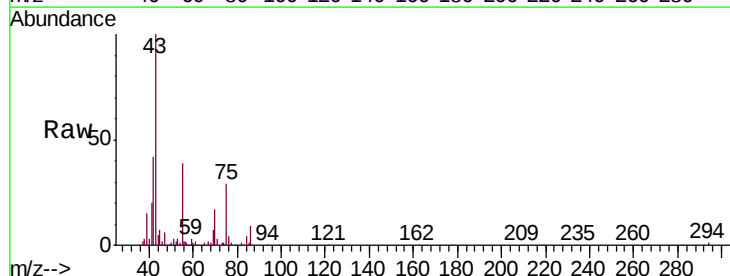
Ion Ratio Lower Upper

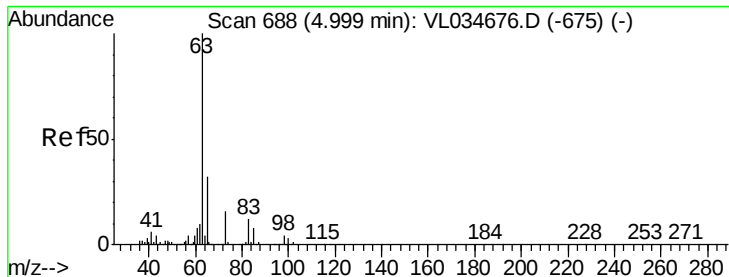
43 100

86 9.1 6.0 9.0#

42 40.2 8.0 12.0#

44 2.3 4.5 6.7#





#24

1,1-Dichloroethane

Concen: 0.066 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

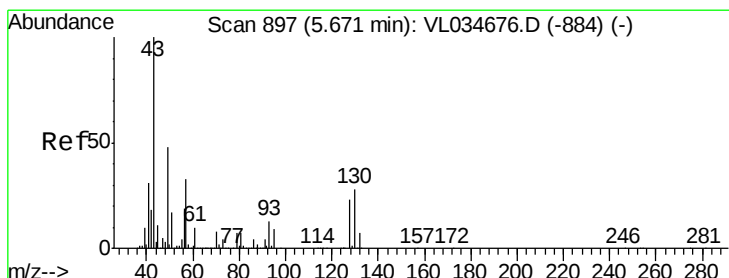
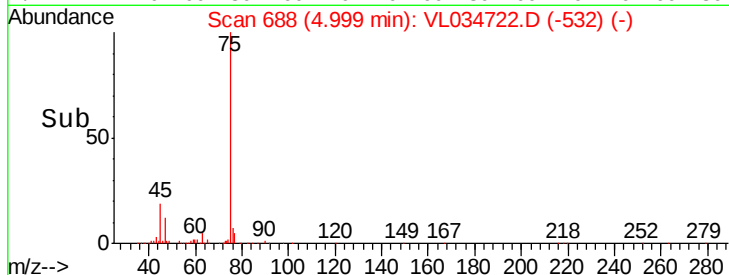
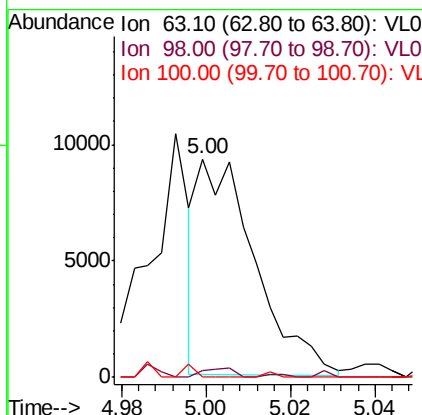
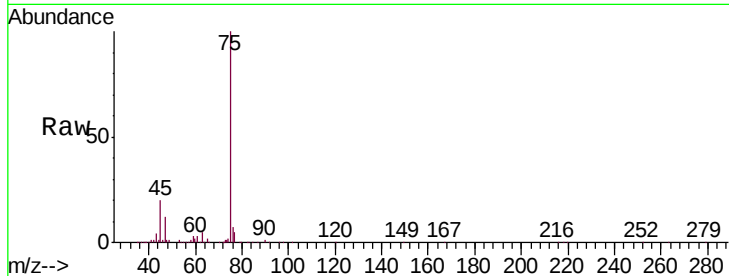
Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tgt Ion:	63	Resp:	8759
Ion	Ratio	Lower	Upper
63	100		
98	2.8	2.1	6.2
100	0.0	1.4	4.0#



#25

Ethyl Acetate

Concen: 0.330 ppbv

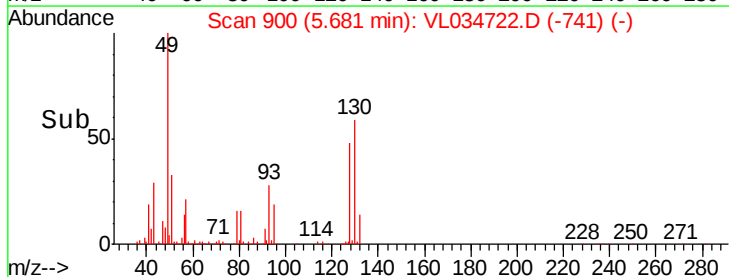
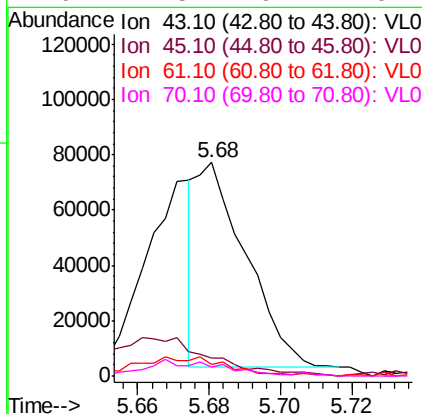
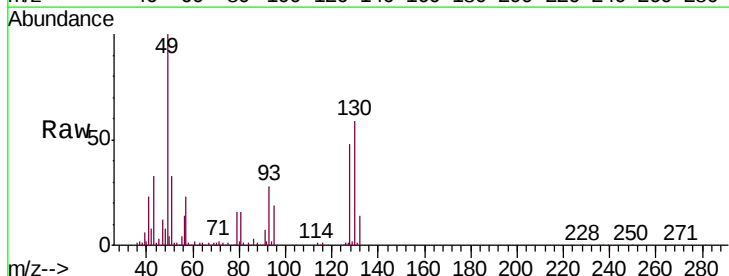
RT: 5.68 min Scan# 900

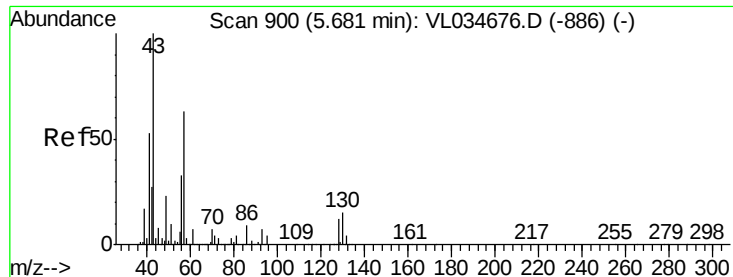
Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion:	43	Resp:	71066
Ion	Ratio	Lower	Upper
43	100		
45	40.7	8.2	12.4#
61	18.0	7.8	11.6#
70	12.5	6.1	9.1#

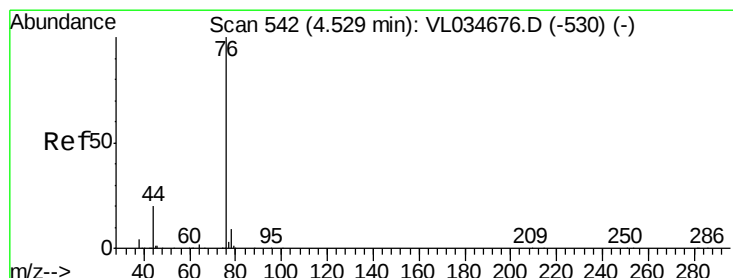
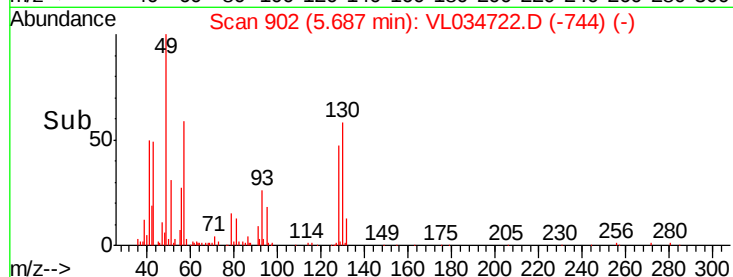
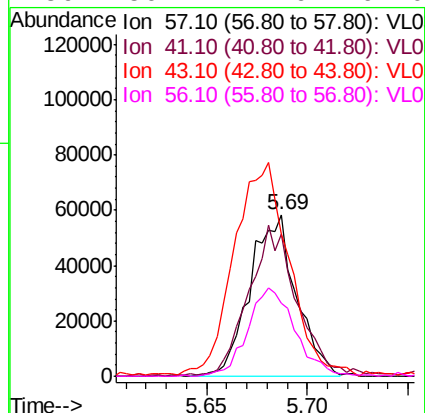
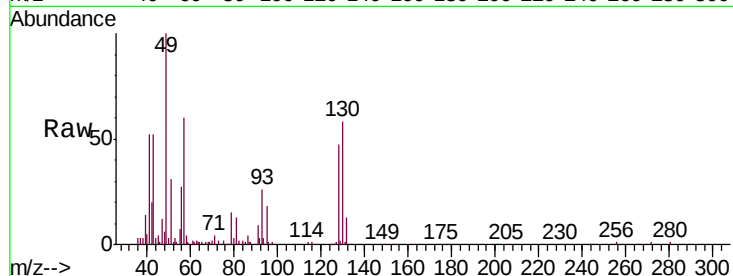




#26
Hexane
Concen: 0.944 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

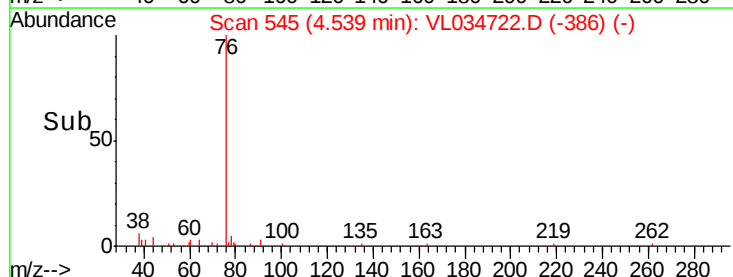
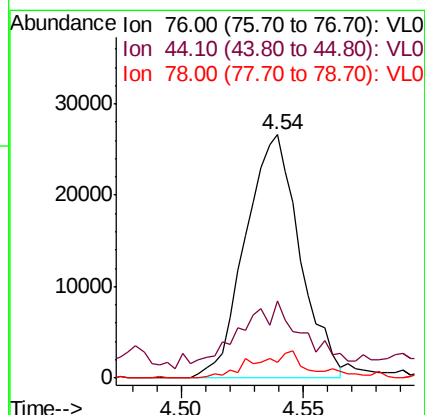
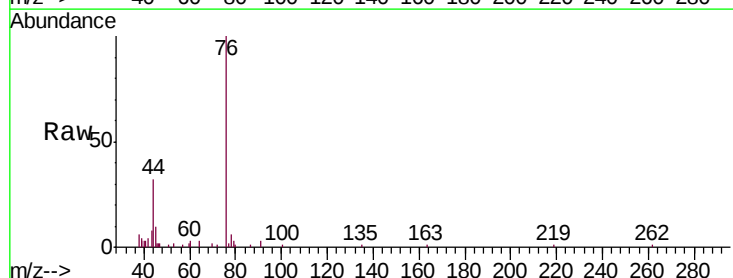
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

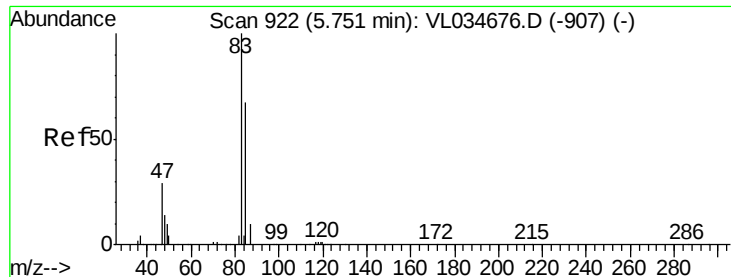
Tgt Ion:	57	Resp:	93608
Ion	Ratio	Lower	Upper
57	100		
41	97.2	70.3	105.5
43	160.2	177.0	265.4#
56	56.4	42.6	64.0



#27
Carbon Disulfide
Concen: 0.366 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion:	76	Resp:	41165
Ion	Ratio	Lower	Upper
76	100		
44	29.8	15.3	22.9#
78	12.1	7.6	11.4#





#29

Chloroform

Concen: 0.473 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

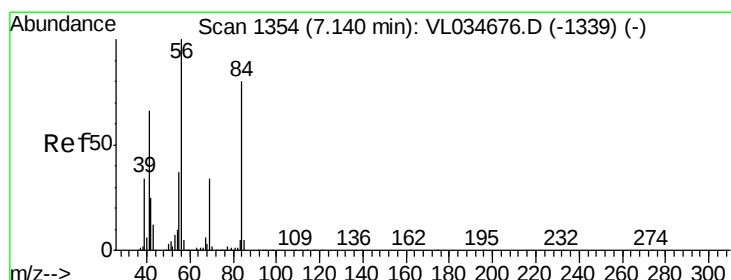
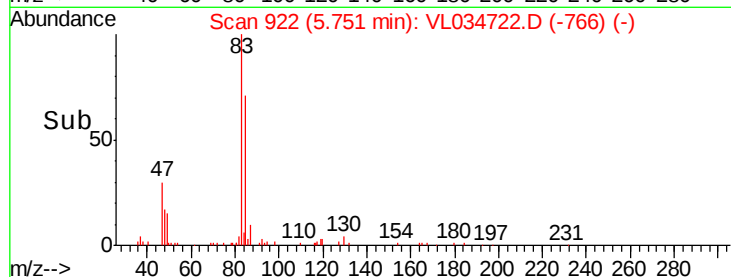
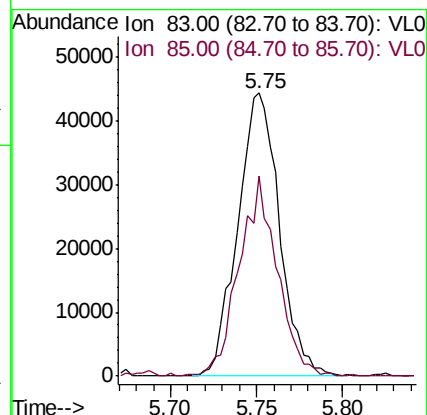
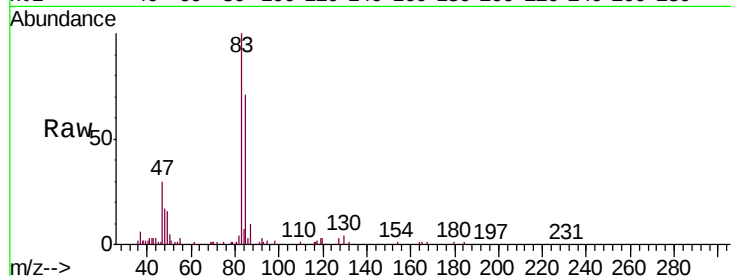
SG-2-MUSIC-RM

Tgt Ion: 83 Resp: 74716

Ion Ratio Lower Upper

83 100

85 70.7 53.9 80.9



#30

Cyclohexane

Concen: 0.259 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

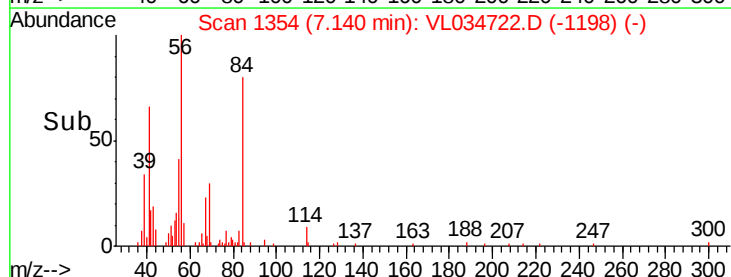
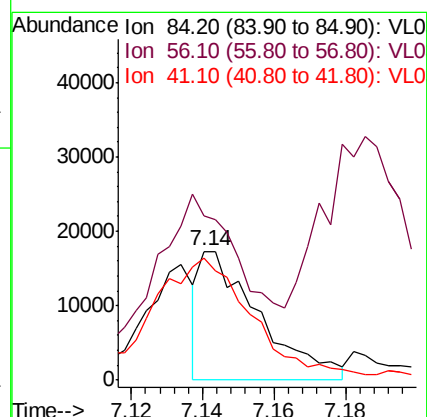
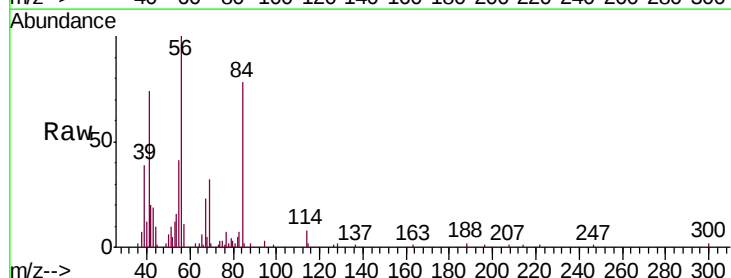
Tgt Ion: 84 Resp: 19923

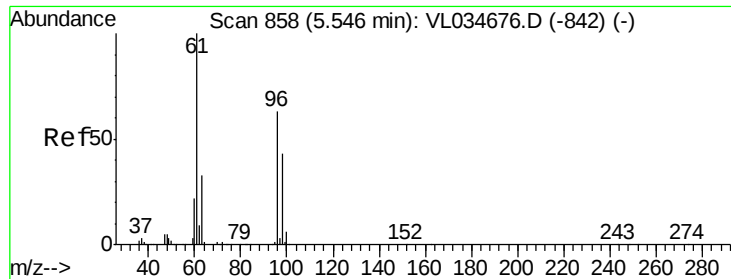
Ion Ratio Lower Upper

84 100

56 0.0 113.4 170.2#

41 172.3 68.2 102.4#

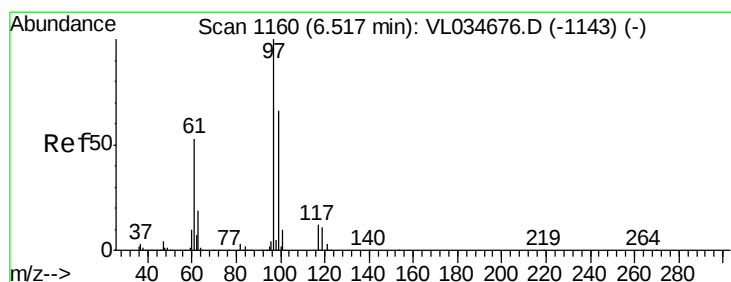
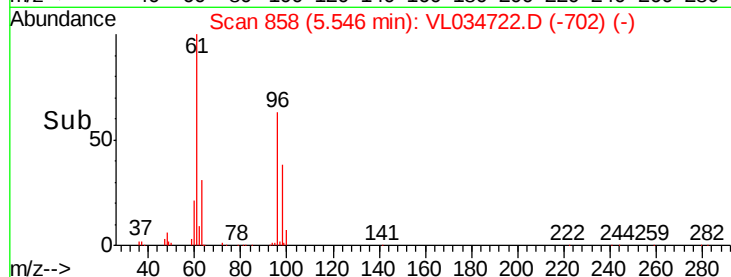
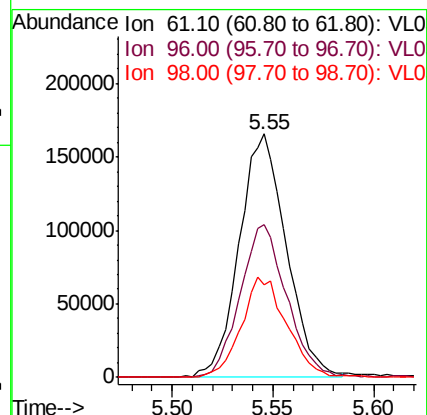
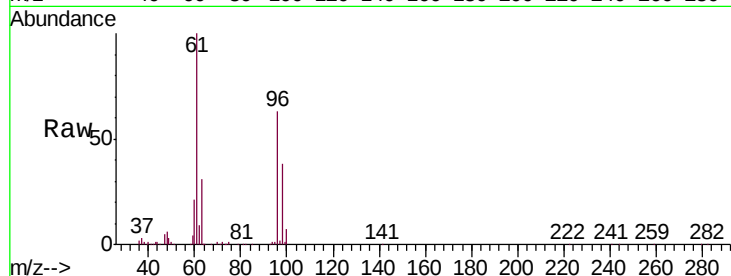




#31
 cis-1,2-Dichloroethene
 Concen: 2.766 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

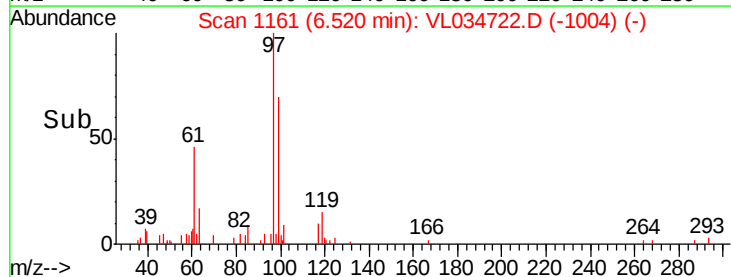
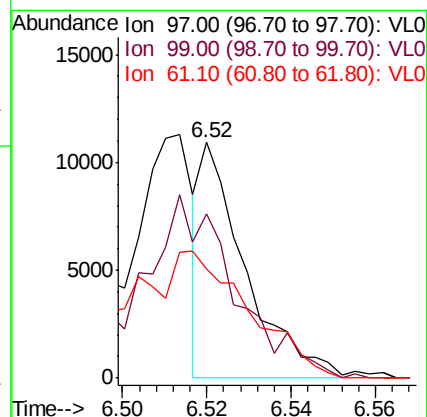
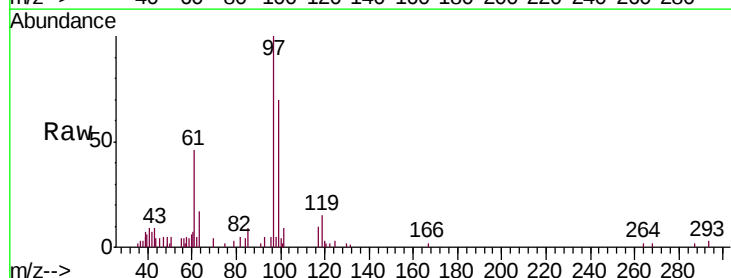
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

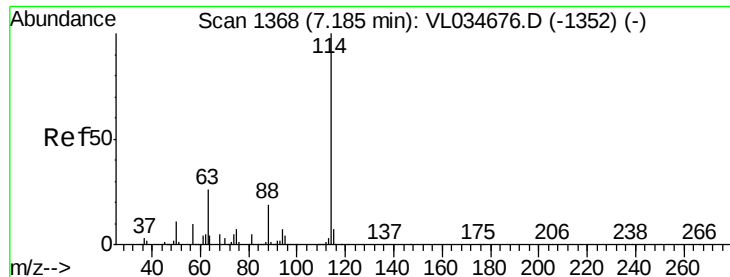
Tgt Ion: 61 Resp: 270003
 Ion Ratio Lower Upper
 61 100
 96 62.4 50.2 75.2
 98 38.1 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 0.054 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion: 97 Resp: 8008
 Ion Ratio Lower Upper
 97 100
 99 0.0 52.3 78.5#
 61 148.0 42.8 64.2#

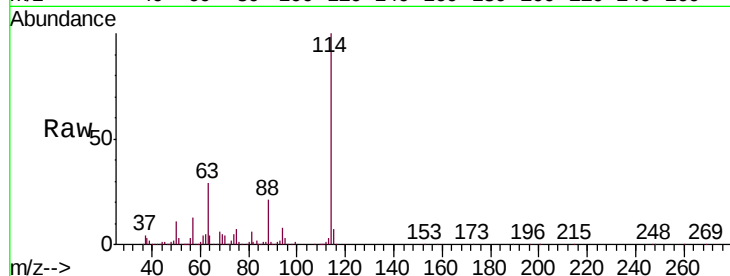




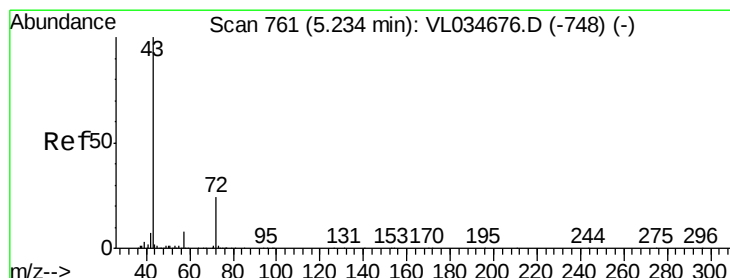
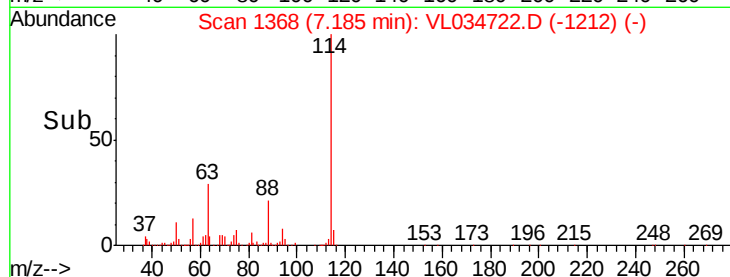
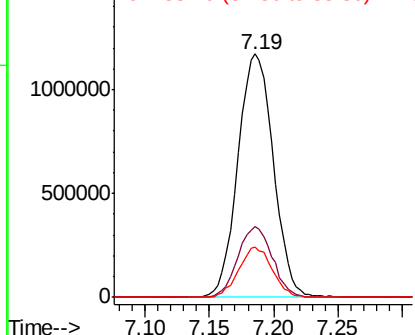
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

Tgt Ion:114 Resp: 2246154
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.9 34.3
 88 19.6 15.8 23.6

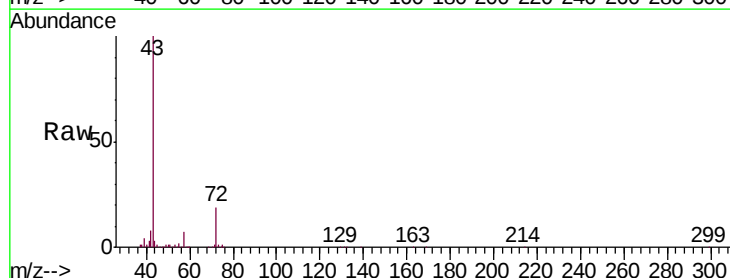


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

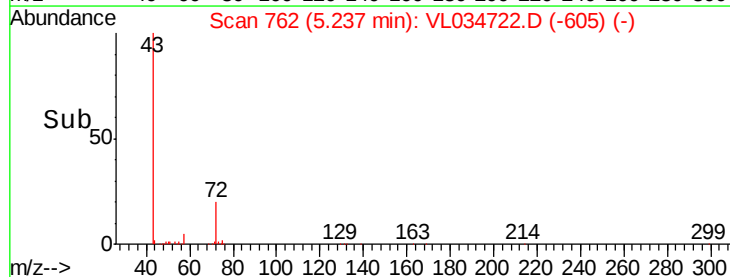
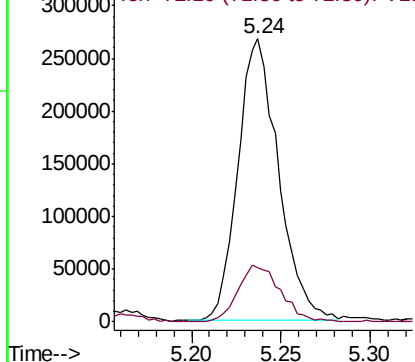


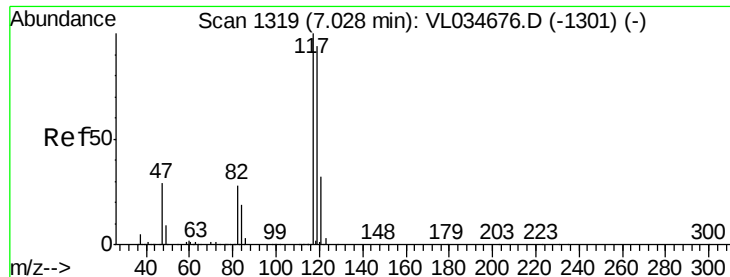
#34
 2-Butanone
 Concen: 2.988 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion: 43 Resp: 422447
 Ion Ratio Lower Upper
 43 100
 72 21.3 18.2 27.2



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

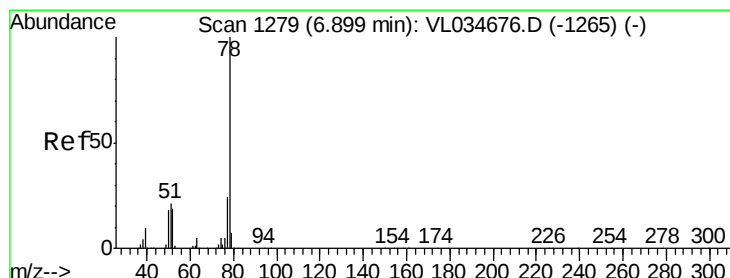
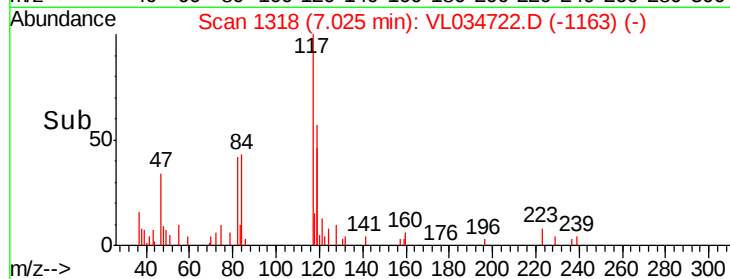
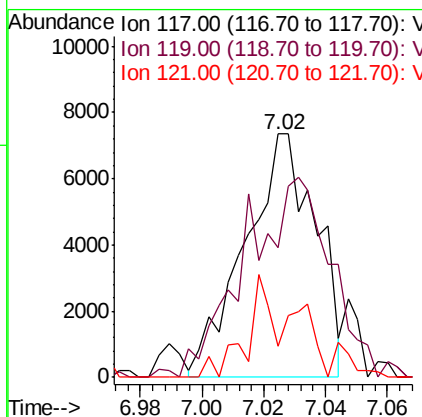
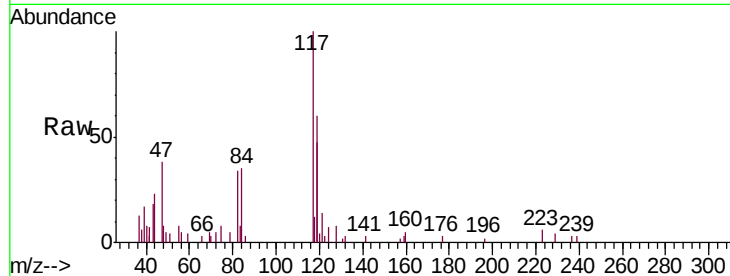




#35
Carbon Tetrachloride
Concen: 0.077 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

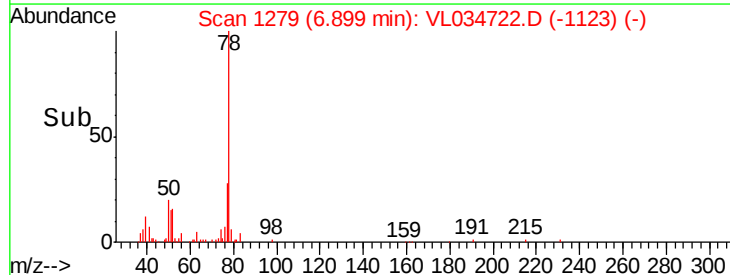
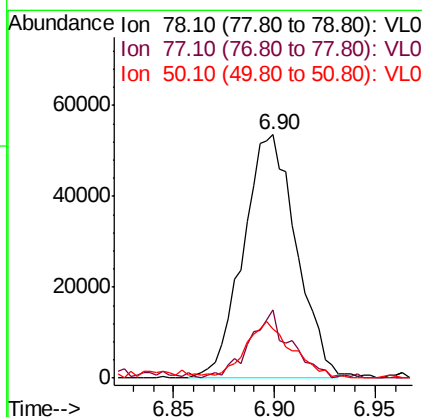
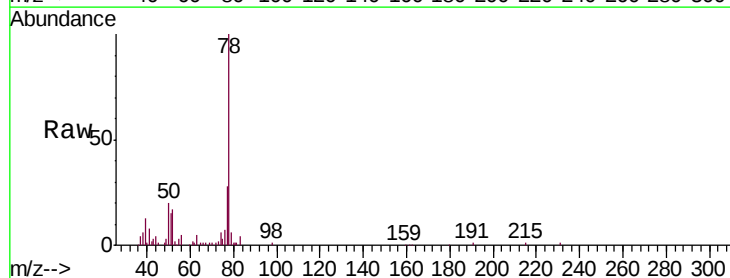
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

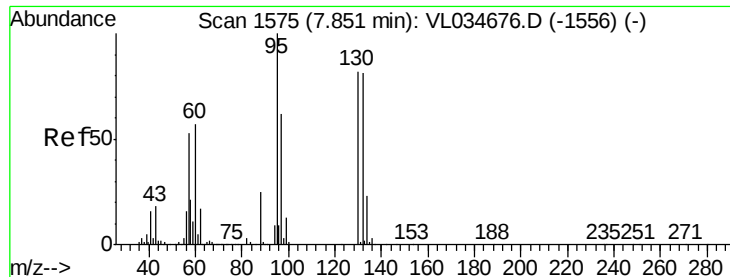
Tgt Ion	Ratio	Lower	Upper
117	100		
119	42.8	75.5	113.3#
121	12.9	25.4	38.0#



#36
Benzene
Concen: 0.509 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.5	29.3
50	18.7	14.6	21.8

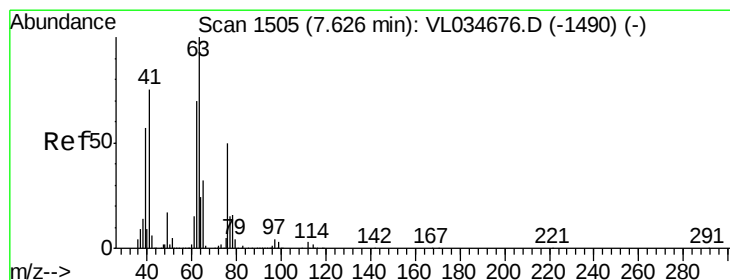
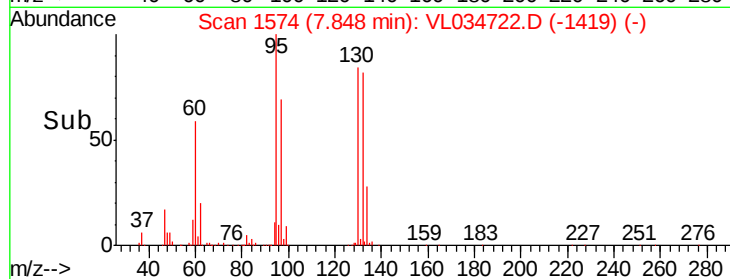
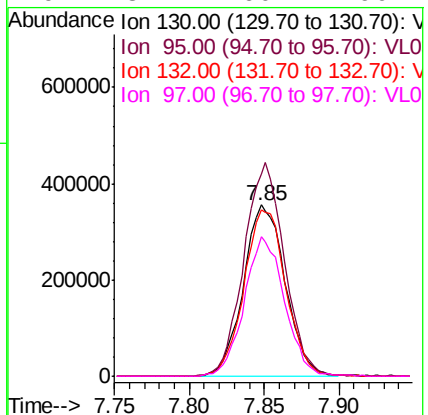
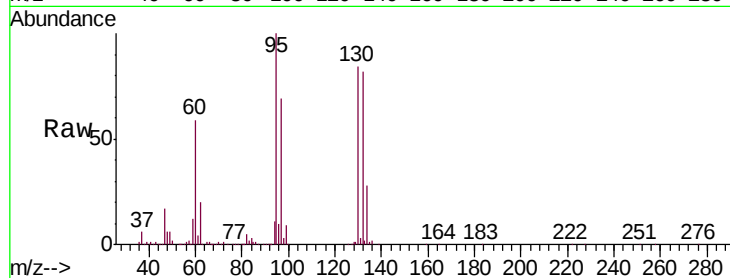




#38
 Trichloroethene
 Concen: 9.236 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

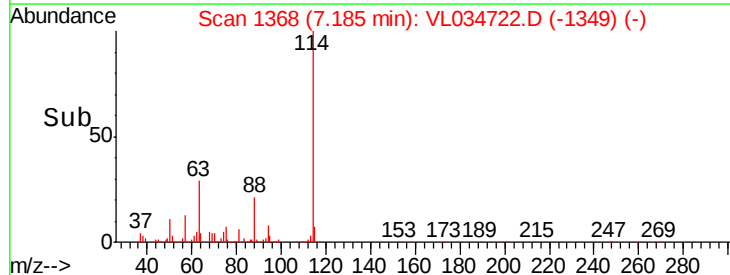
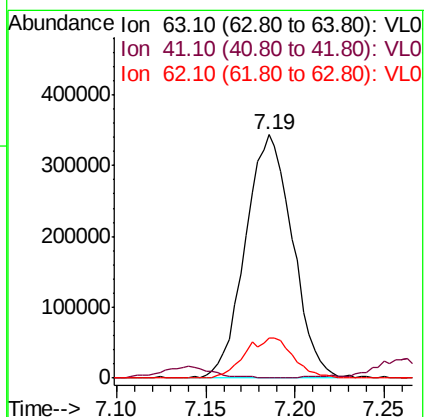
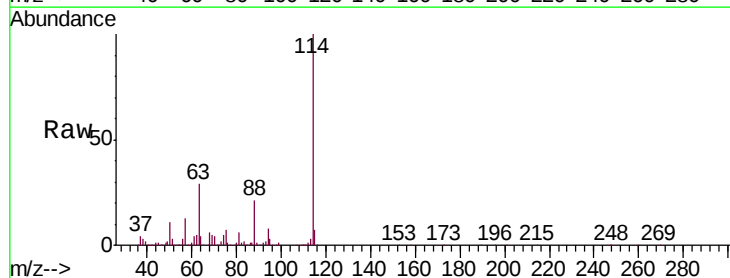
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

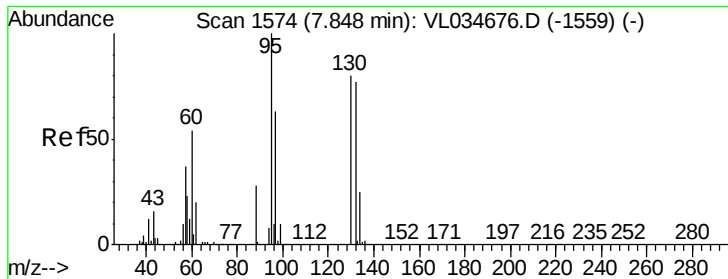
Tgt Ion:	130	Resp:	690641
Ion	Ratio	Lower	Upper
130	100		
95	118.6	97.1	145.7
132	97.5	78.3	117.5
97	81.4	60.1	90.1



#39
 1,2-Dichloropropane
 Concen: 8.219 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion:	63	Resp:	634383
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	16.5	56.3	84.5#

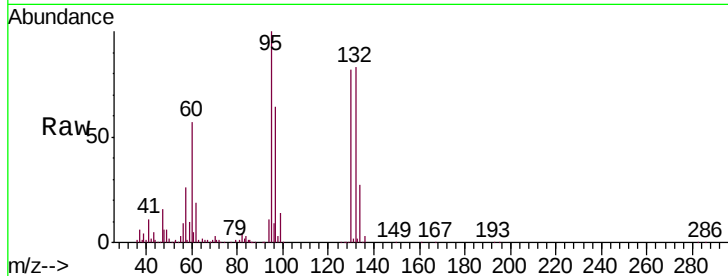




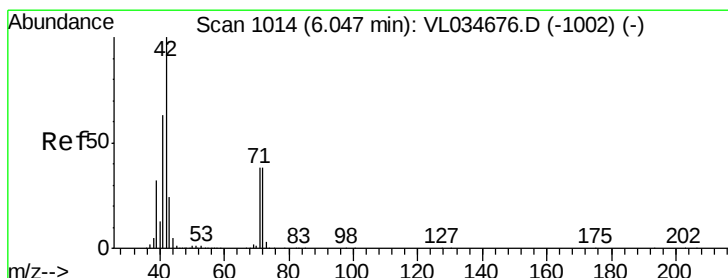
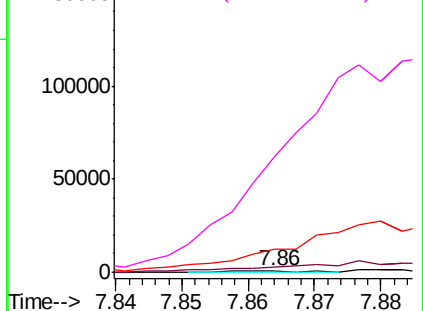
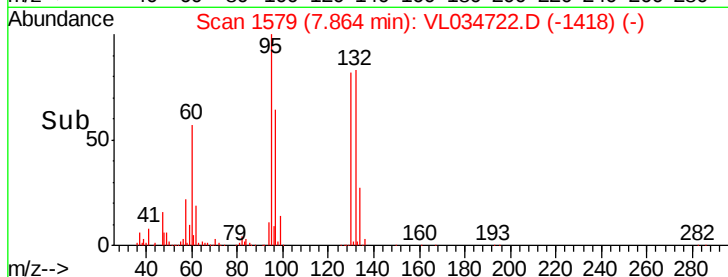
#40
 1,4-Dioxane
 Concen: 0.021 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

Tgt Ion: 88 Resp: 561
 Ion Ratio Lower Upper
 88 100
 58 0.0 104.6 156.8#
 43 0.0 212.9 319.3#
 57 0.0 935.2 1402.8#

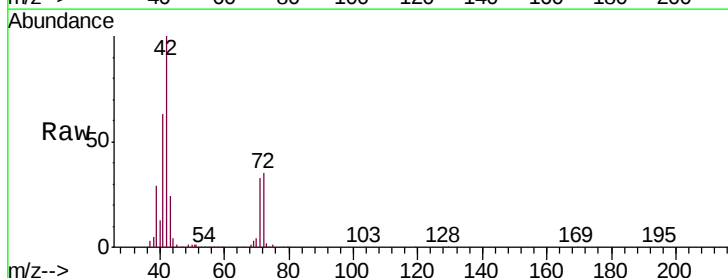


Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0

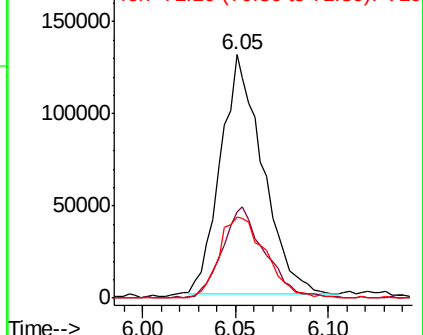
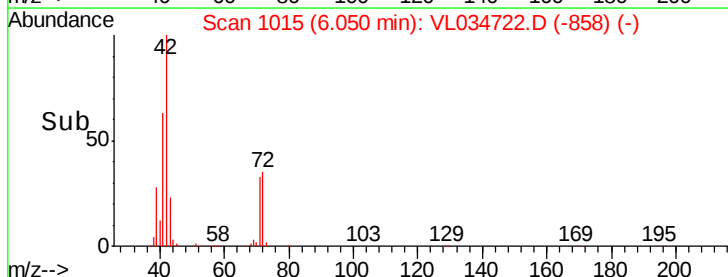


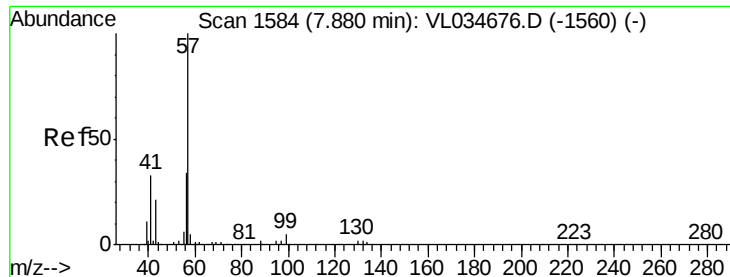
#41
 Tetrahydrofuran
 Concen: 2.759 ppbv
 RT: 6.05 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion: 42 Resp: 205902
 Ion Ratio Lower Upper
 42 100
 72 38.8 31.7 47.5
 71 38.0 30.7 46.1



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

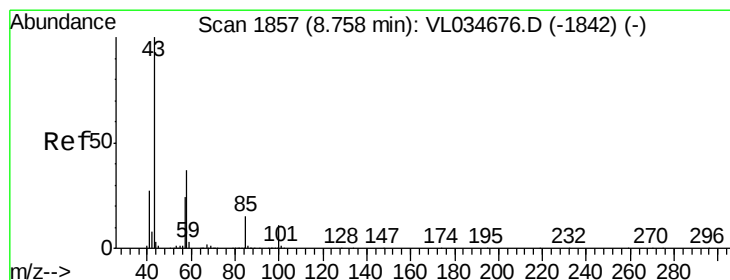
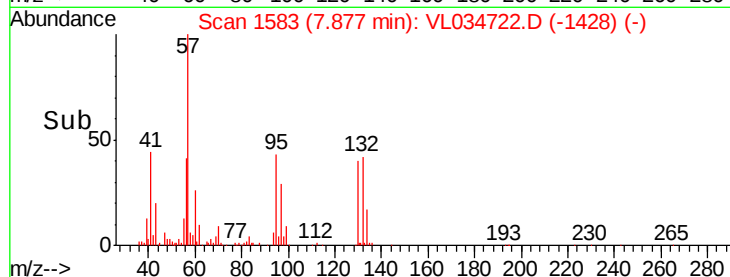
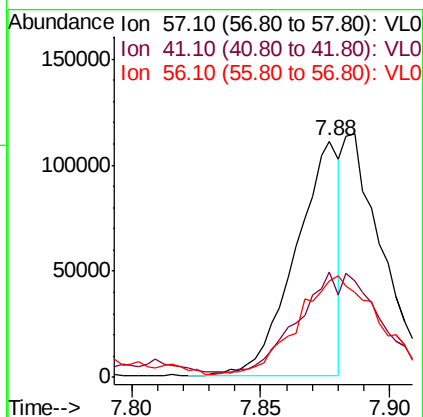
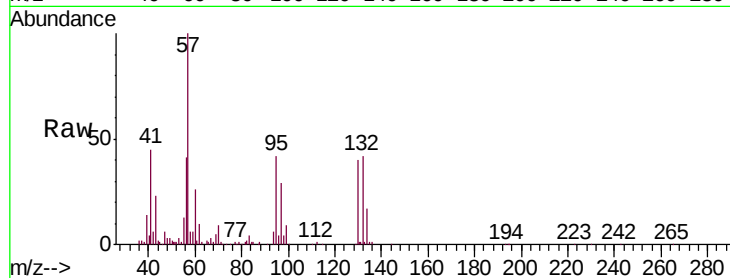




#44
 2,2,4-Trimethylpentane
 Concen: 0.385 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

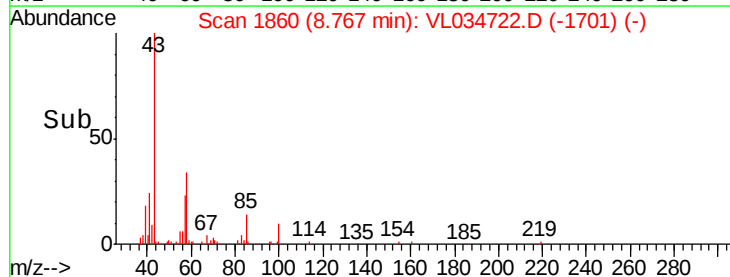
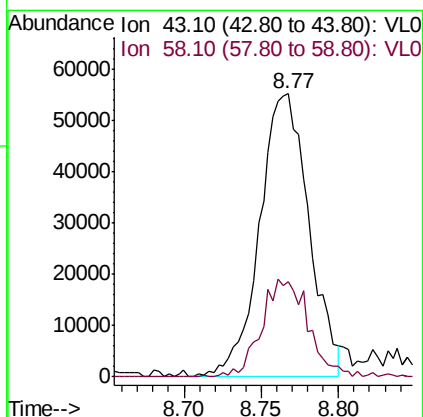
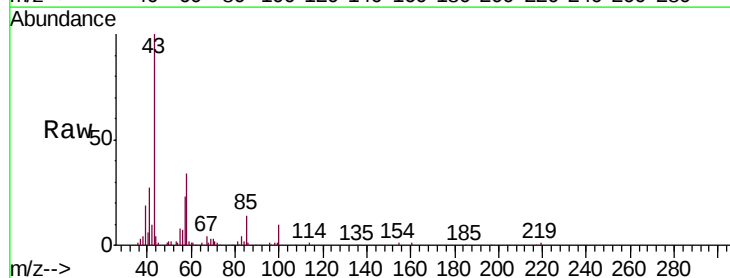
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

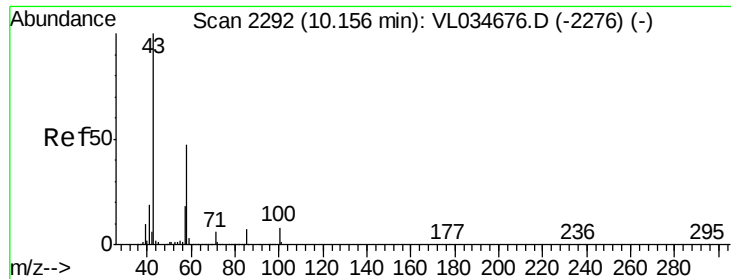
Tgt Ion: 57 Resp: 130705
 Ion Ratio Lower Upper
 57 100
 41 84.7 26.0 39.0#
 56 84.0 25.6 38.4#



#50
 4-Methyl-2-Pentanone
 Concen: 0.611 ppbv
 RT: 8.77 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion: 43 Resp: 122395
 Ion Ratio Lower Upper
 43 100
 58 32.9 29.0 43.6

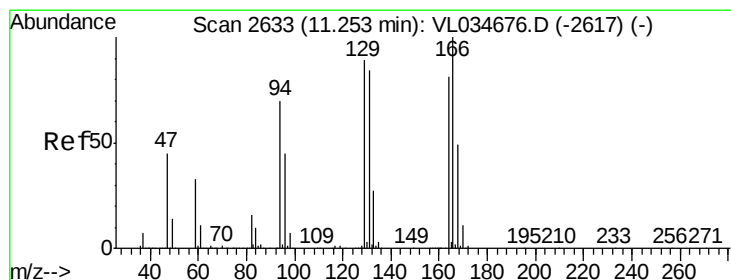
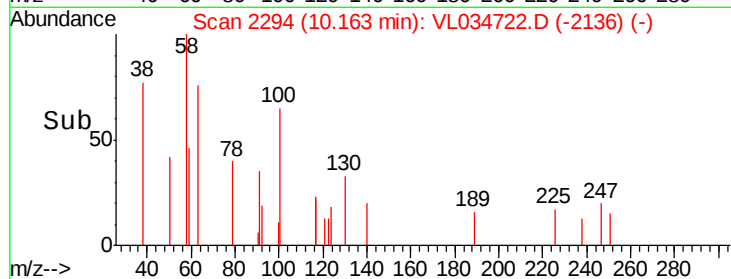
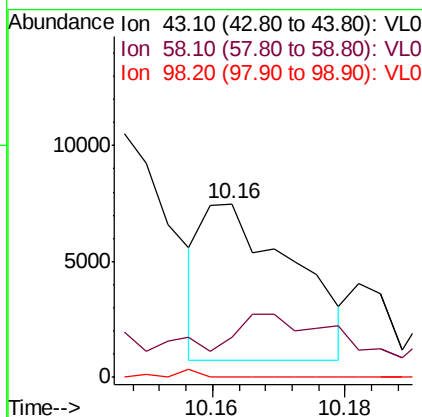
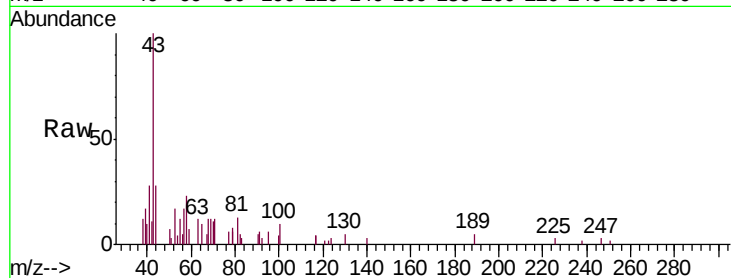




#51
2-Hexanone
Concen: 0.041 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

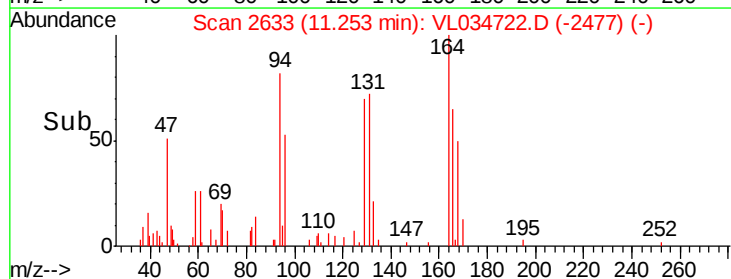
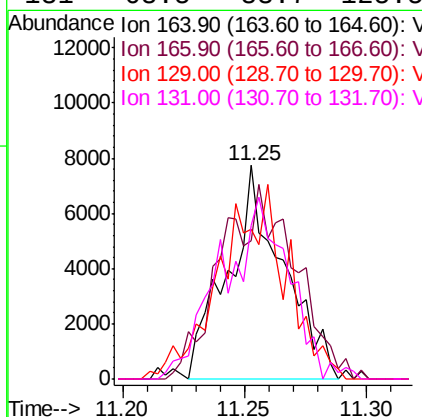
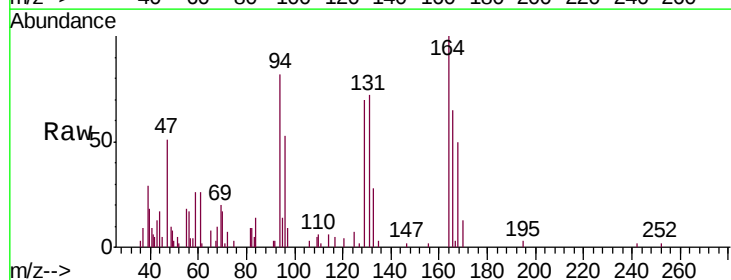
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

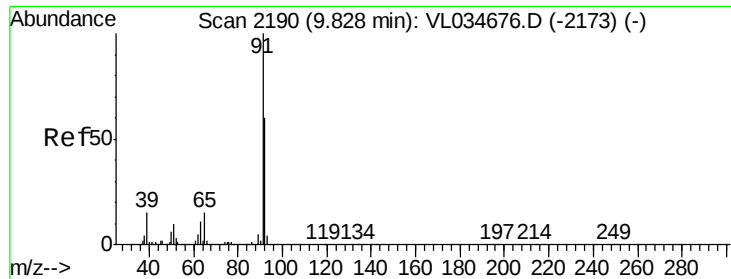
Tgt Ion: 43 Resp: 6420
Ion Ratio Lower Upper
43 100
58 97.1 39.4 59.0#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.170 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion: 164 Resp: 12076
Ion Ratio Lower Upper
164 100
166 62.7 99.2 148.8#
129 65.2 88.0 132.0#
131 68.5 83.7 125.5#





#53

Toluene

Concen: 4.901 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

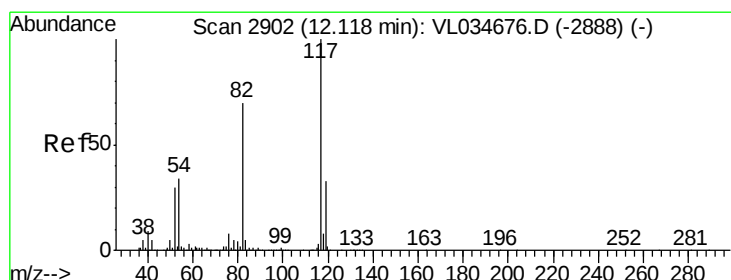
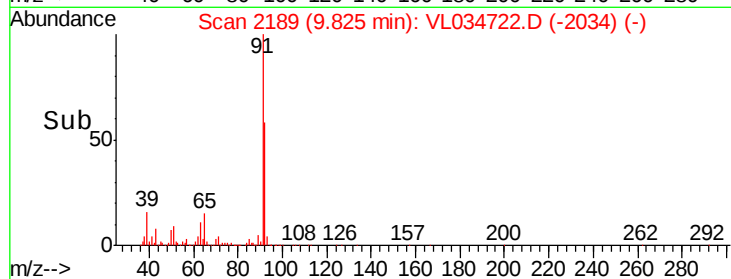
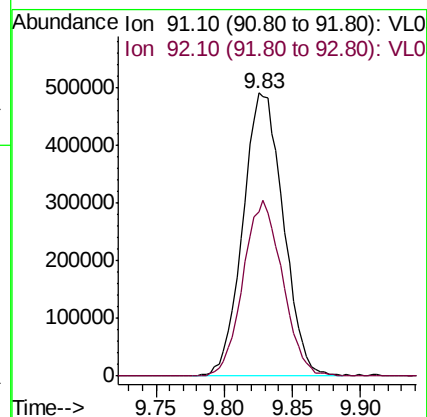
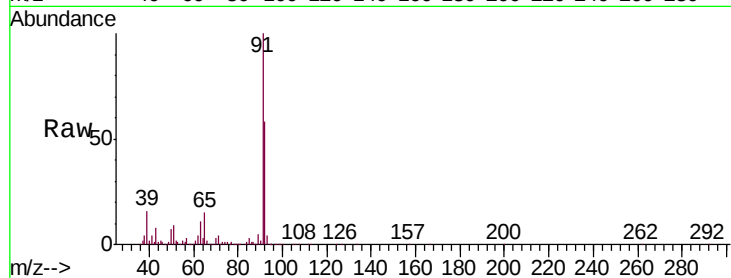
SG-2-MUSIC-RM

Tgt Ion: 91 Resp: 1011177

Ion Ratio Lower Upper

91 100

92 60.6 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

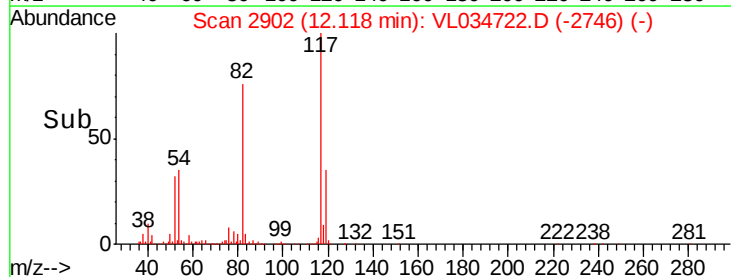
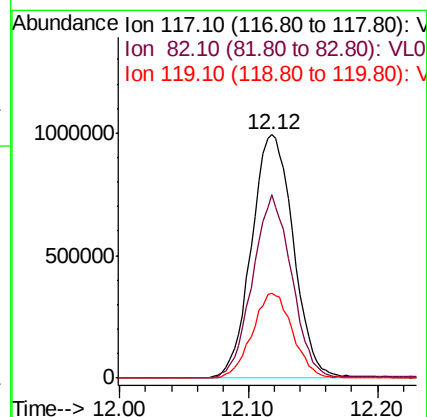
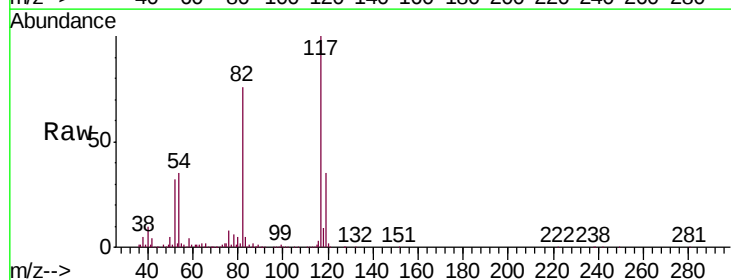
Tgt Ion: 117 Resp: 2241818

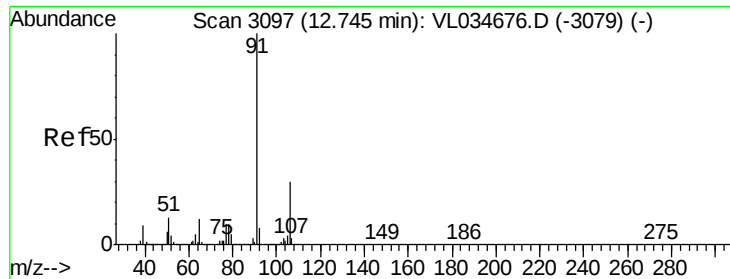
Ion Ratio Lower Upper

117 100

82 71.1 54.1 81.1

119 34.0 27.6 41.4





#58

Ethyl Benzene

Concen: 0.981 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

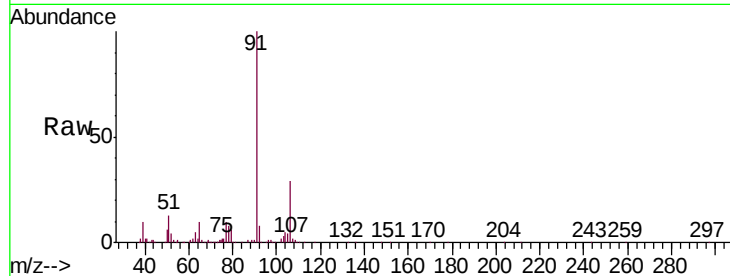
SG-2-MUSIC-RM

Tgt Ion: 91 Resp: 266005

Ion Ratio Lower Upper

91 100

106 28.5 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

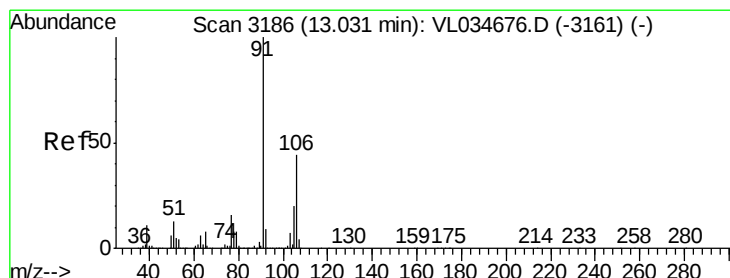
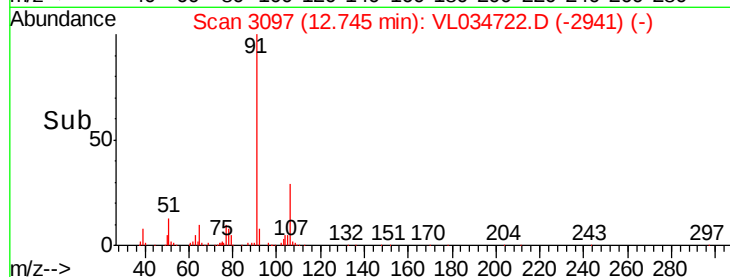
12.74

100000

50000

0

Time--> 12.65 12.70 12.75 12.80



#59

m/p-Xylene

Concen: 3.301 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.03 min

Lab File: VL034722.D

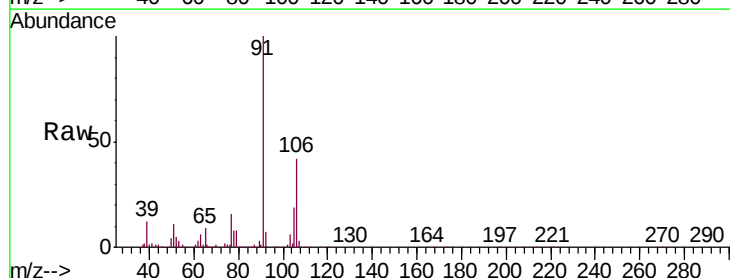
Acq: 27 Feb 2020 23:56

Tgt Ion: 91 Resp: 781005

Ion Ratio Lower Upper

91 100

106 44.3 35.6 53.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.00

300000

250000

200000

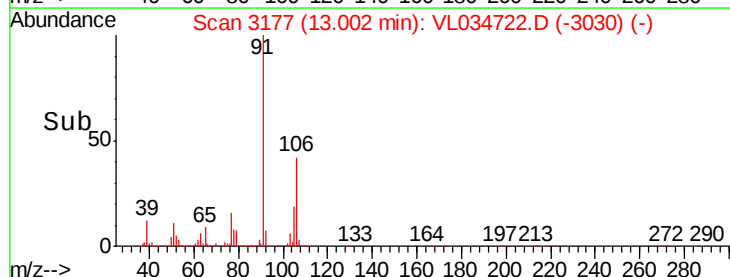
150000

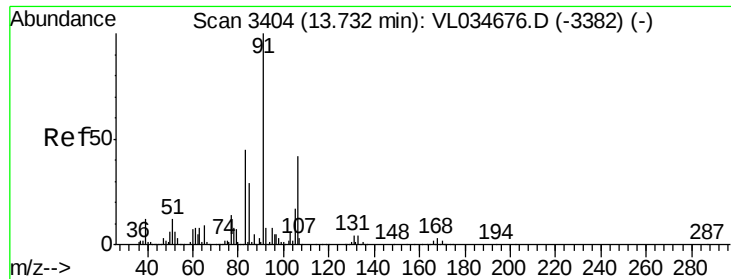
100000

50000

0

Time--> 12.90 13.00 13.10

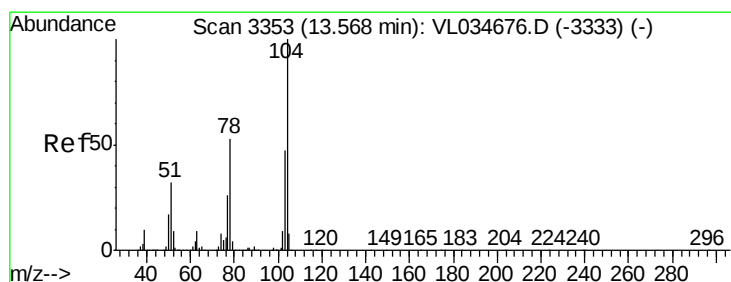
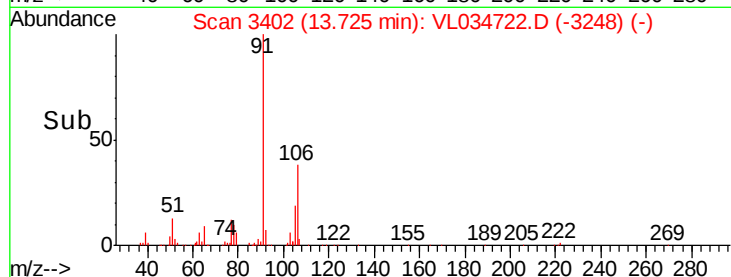
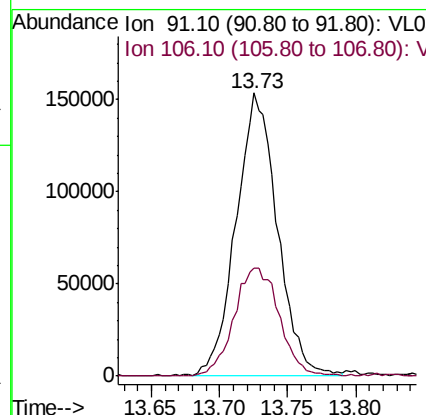
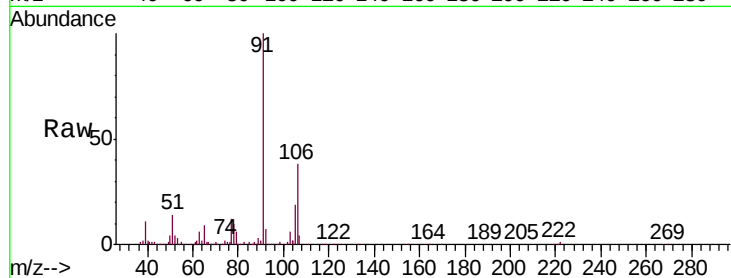




#60
o-Xylene
Concen: 1.373 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

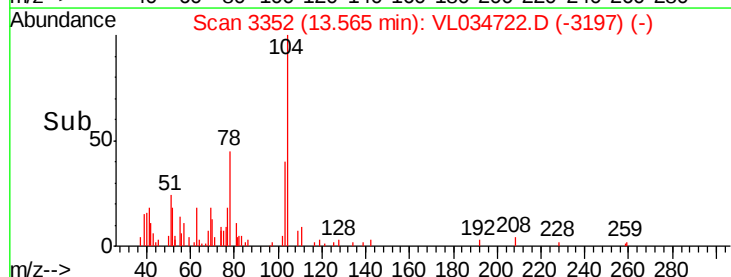
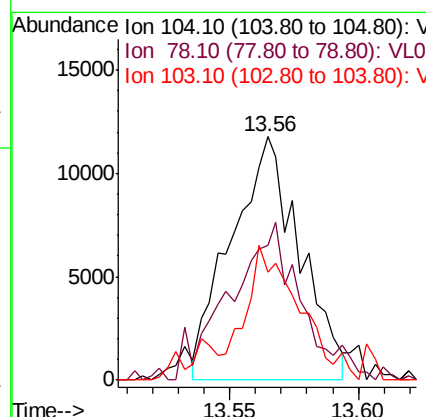
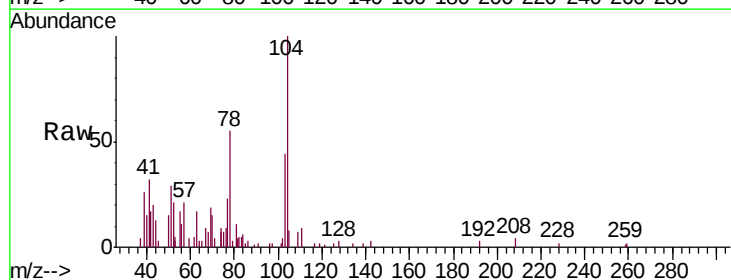
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

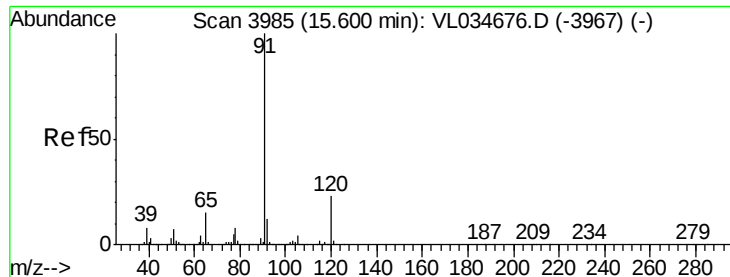
Tgt Ion: 91 Resp: 322368
Ion Ratio Lower Upper
91 100
106 42.3 21.9 65.5



#61
Styrene
Concen: 0.145 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion: 104 Resp: 21862
Ion Ratio Lower Upper
104 100
78 70.1 44.2 66.4#
103 53.4 37.4 56.0





#64

n-propylbenzene

Concen: 0.113 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

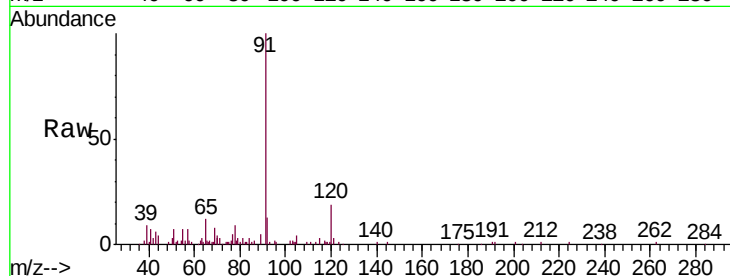
SG-2-MUSIC-RM

Tgt Ion:120 Resp: 9995

Ion Ratio Lower Upper

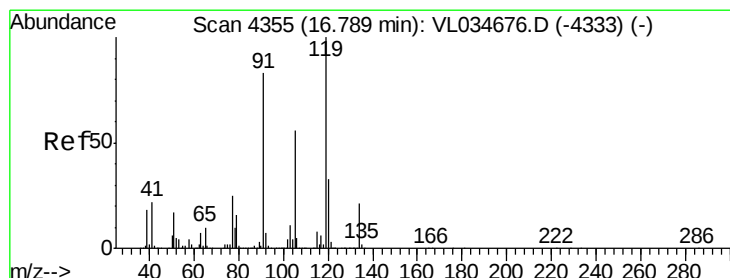
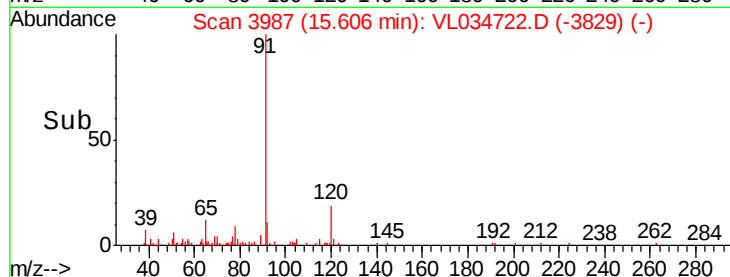
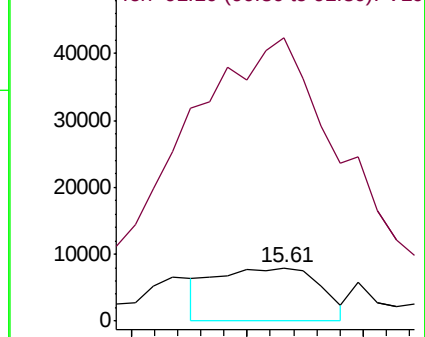
120 100

91 979.8 369.8 554.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.085 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

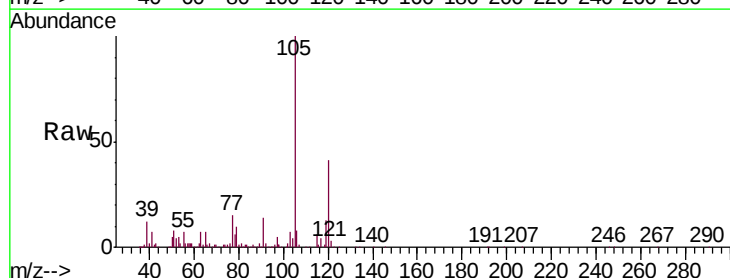
Tgt Ion:119 Resp: 25058

Ion Ratio Lower Upper

119 100

91 0.0 69.1 103.7#

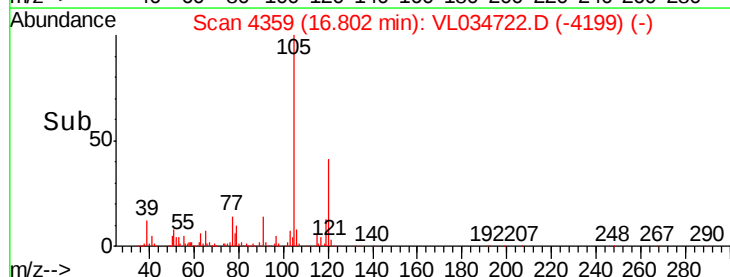
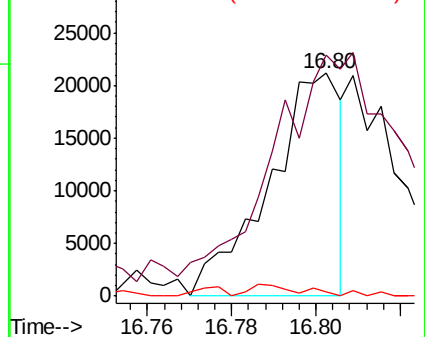
134 5.8 15.8 23.8#

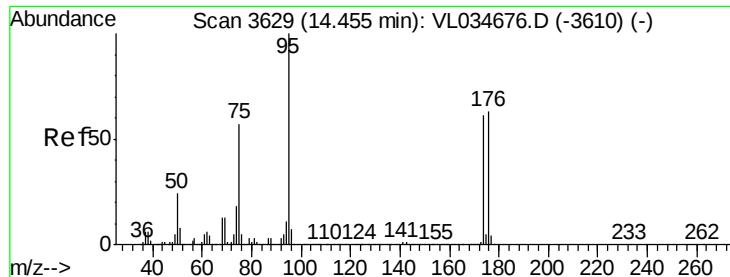


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

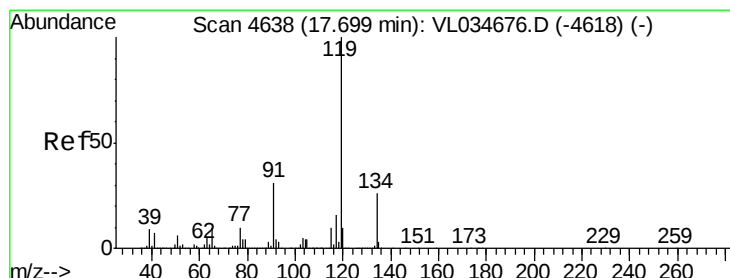
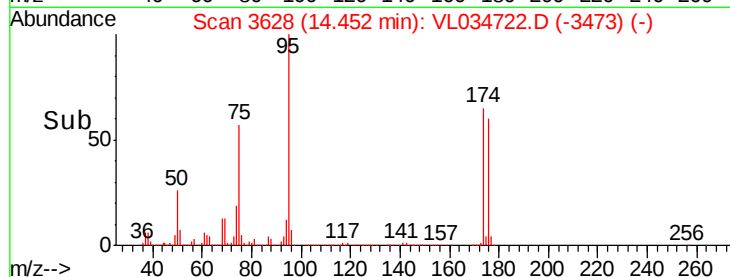
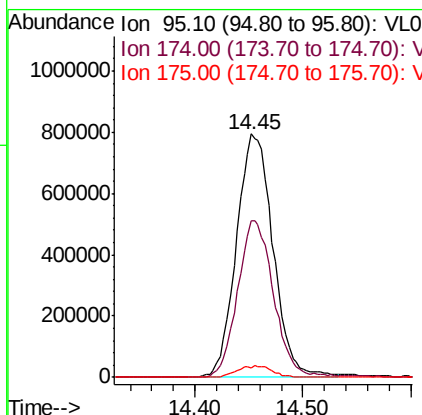
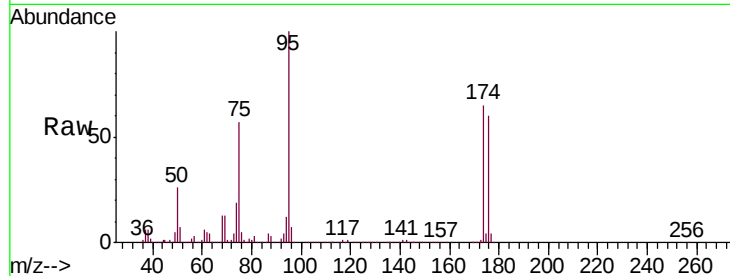




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.211 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

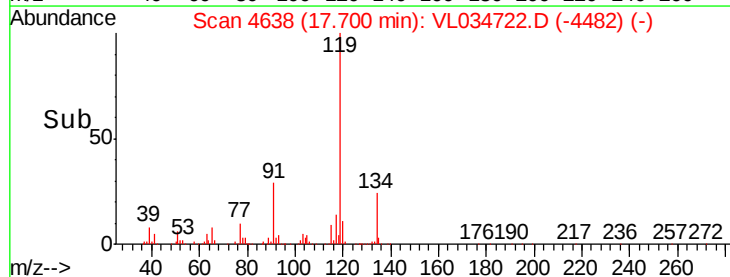
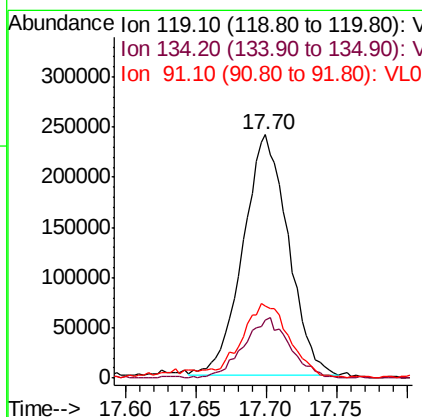
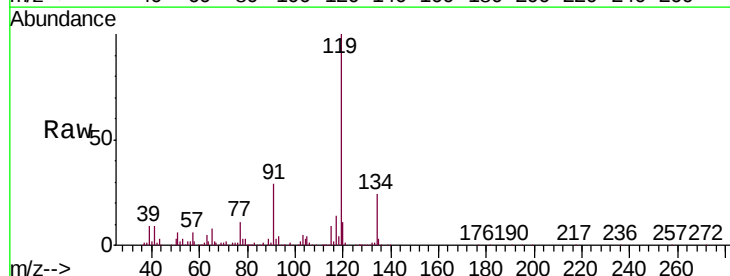
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

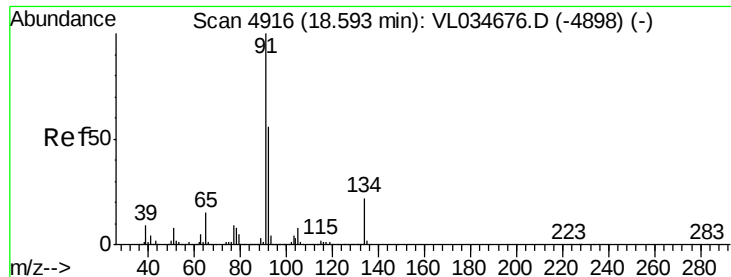
Tgt Ion: 95 Resp: 1876918
 Ion Ratio Lower Upper
 95 100
 174 64.3 50.7 76.1
 175 4.6 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 1.527 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion: 119 Resp: 534901
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 31.0
 91 35.7 25.3 37.9

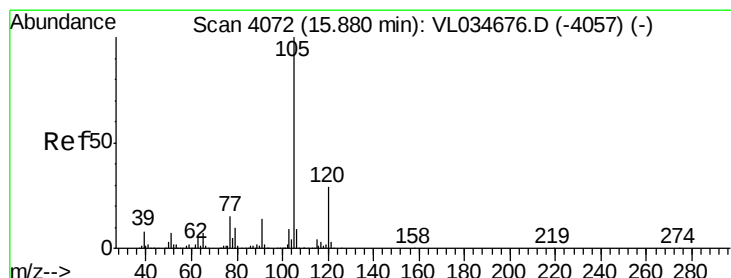
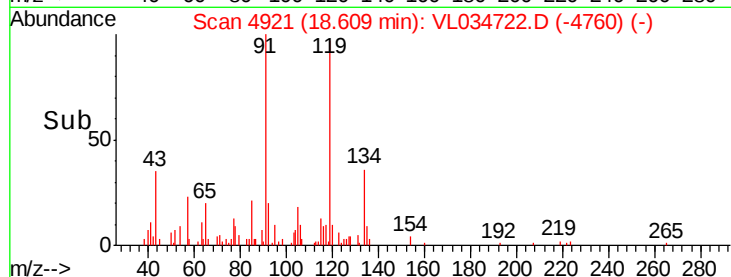
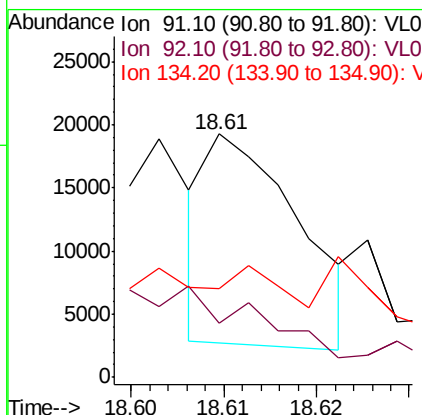
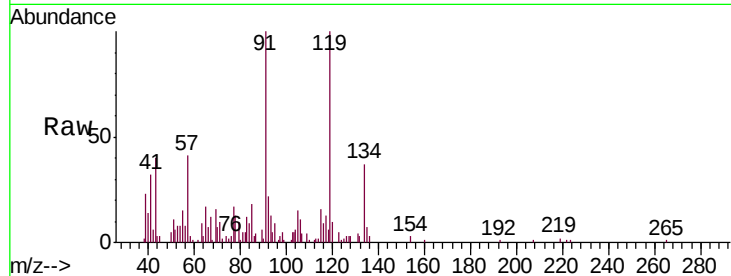




#70
n-Butylbenzene
Concen: 0.030 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. 0.02 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

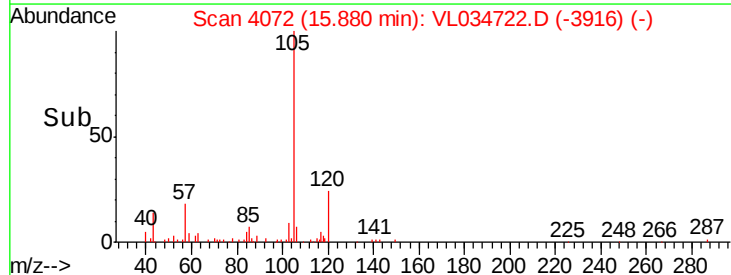
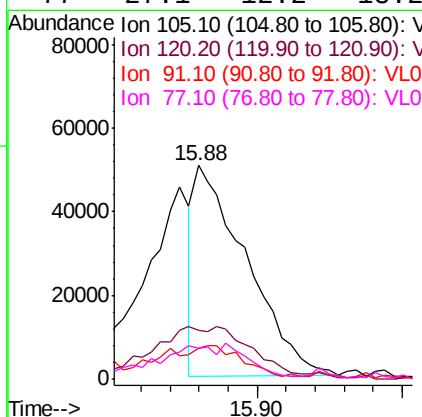
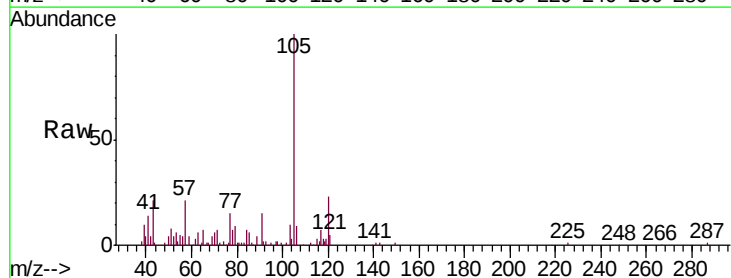
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

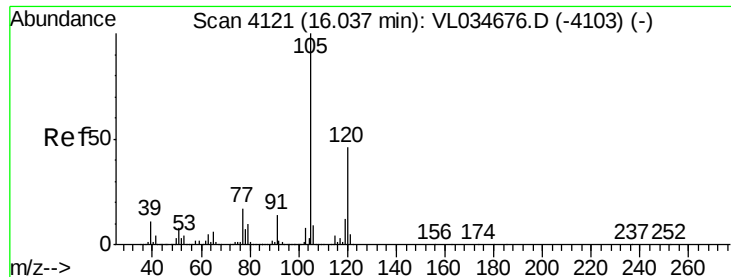
Tgt Ion: 91 Resp: 11474
Ion Ratio Lower Upper
91 100
92 0.0 43.8 65.6#
134 263.6 17.6 26.4#



#72
4-Ethyltoluene
Concen: 0.238 ppbv
RT: 15.88 min Scan# 4072
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion: 105 Resp: 62244
Ion Ratio Lower Upper
105 100
120 46.9 23.7 35.5#
91 32.2 10.9 16.3#
77 27.1 12.2 18.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.349 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

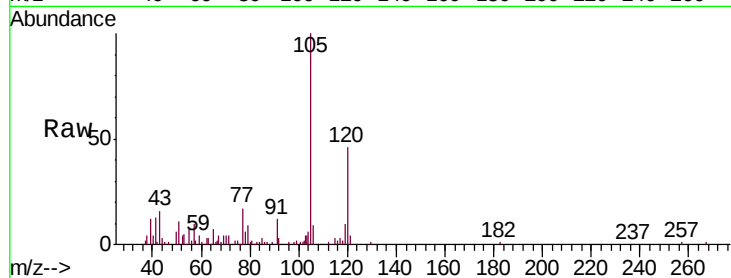
SG-2-MUSIC-RM

Tgt Ion:105 Resp: 87605

Ion Ratio Lower Upper

105 100

120 45.1 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

40000

30000

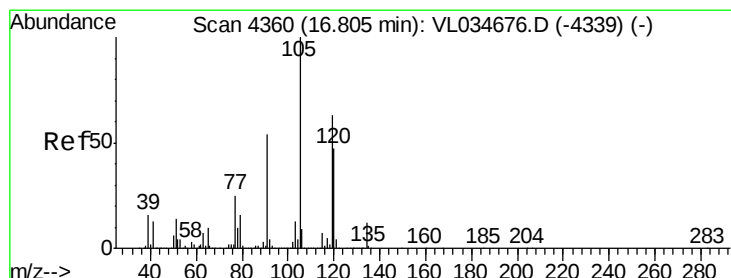
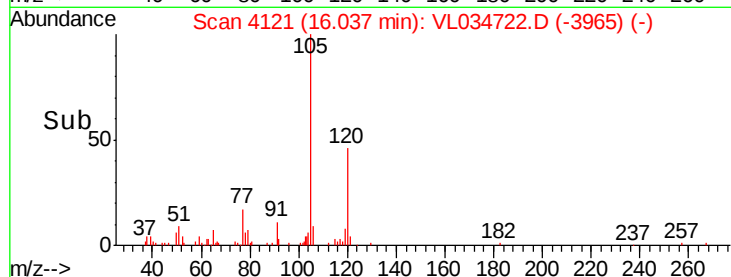
20000

10000

0

16.00 16.05 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.391 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion:105 Resp: 386022

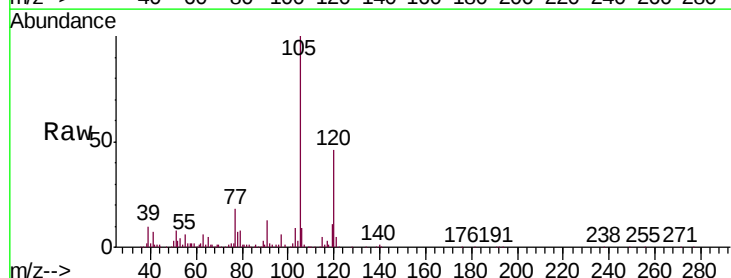
Ion Ratio Lower Upper

105 100

120 45.8 37.9 56.9

91 11.7 43.9 65.9#

77 17.7 20.3 30.5#



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

250000

200000

150000

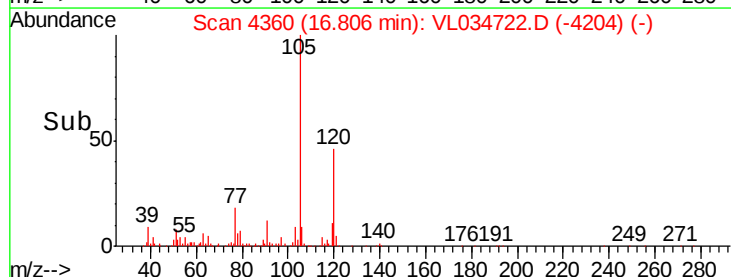
100000

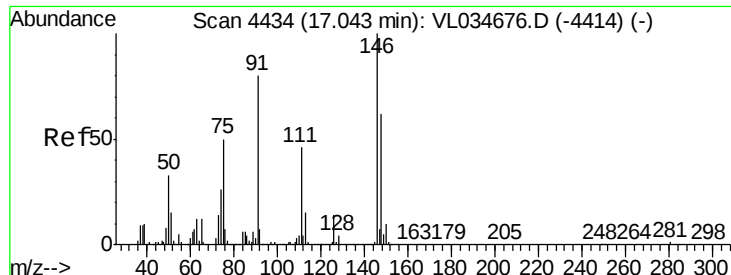
50000

0

16.70 16.75 16.80 16.85

Time-->

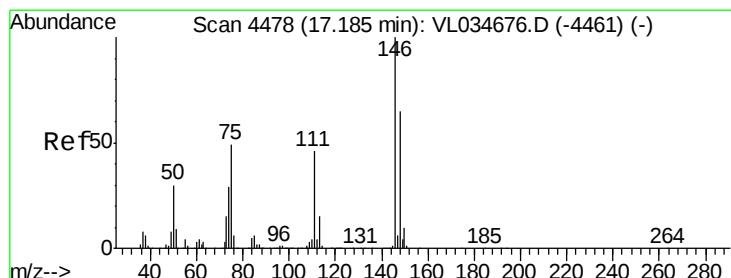
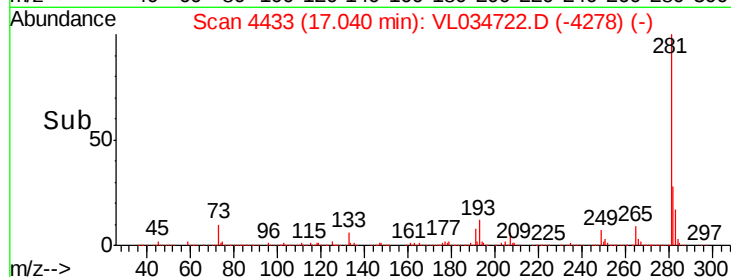
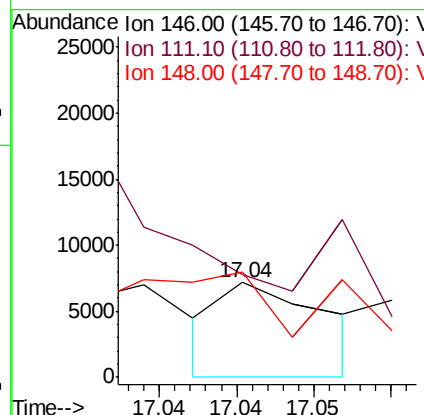
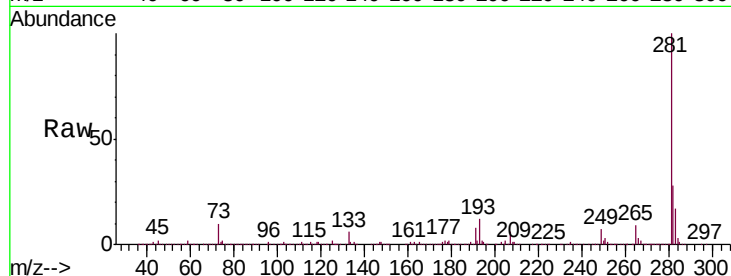




#75
 1,3-Dichlorobenzene
 Concen: 0.021 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

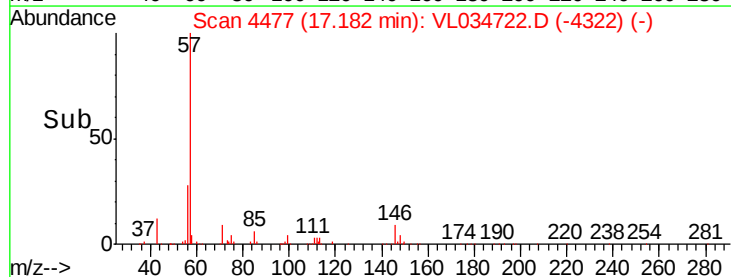
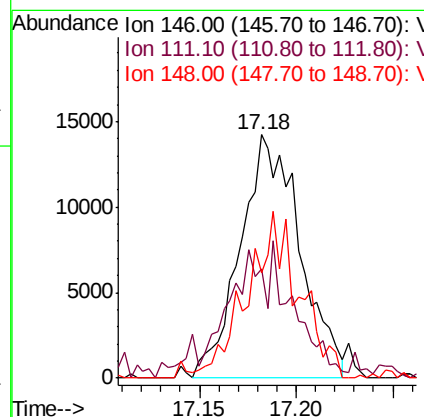
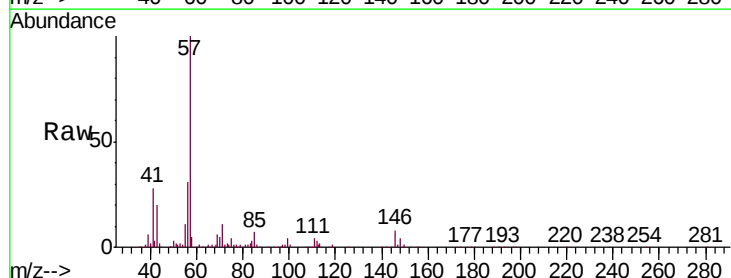
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

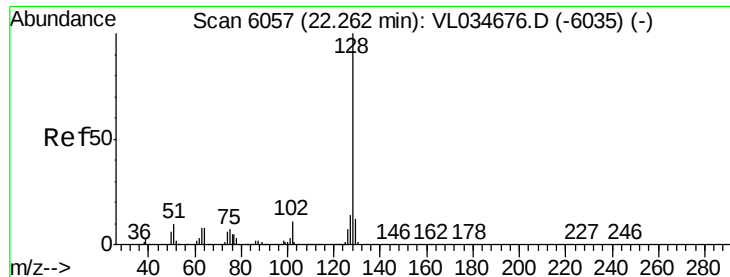
Tgt Ion:146 Resp: 3386
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.4 73.2#
 148 0.0 32.5 97.4#



#76
 1,4-Dichlorobenzene
 Concen: 0.190 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion:146 Resp: 30488
 Ion Ratio Lower Upper
 146 100
 111 60.5 23.4 70.0
 148 61.0 31.9 95.5

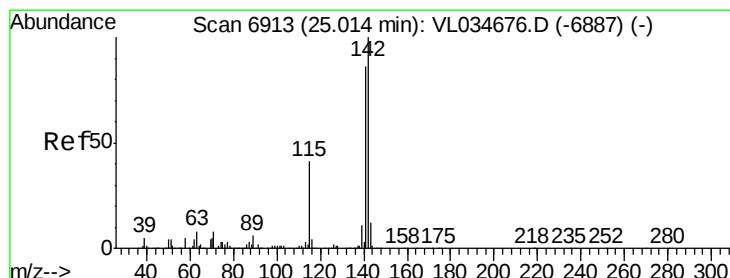
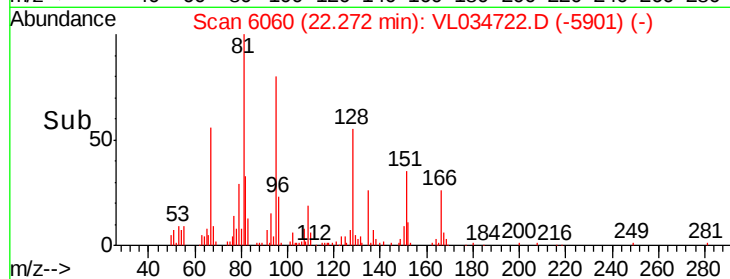
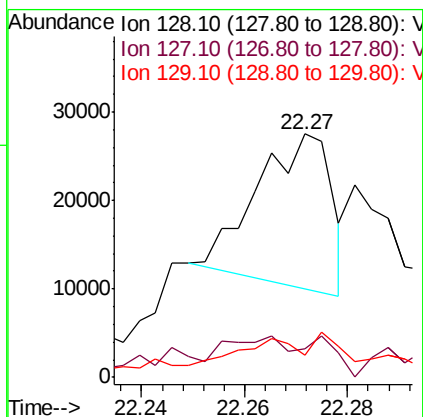
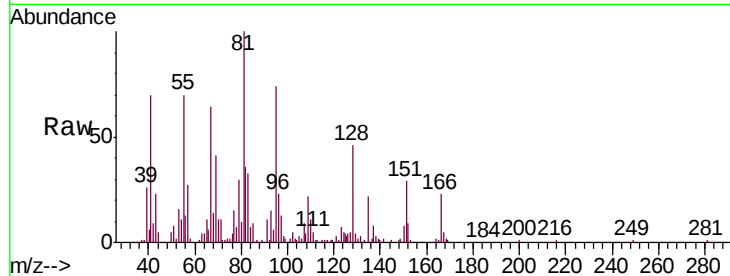




#79
Naphthalene
Concen: 0.070 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.0	11.0	16.6#
129	8.1	9.4	14.2#



#80
Naphthalene, 2-methyl-
Concen: 0.176 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.5	99.7
115	65.6	30.6	46.0#

