

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036228.D
 Acq On : 13 Jan 2021 16:46
 Operator : SY/AP
 Sample : M1066-02
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS2

Quant Time: Jan 13 22:08:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1485192	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3092197	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2870754	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2433874	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	29988	0.149 ppbv	90
3) Chlorodifluoromethane	2.96	51	444288	2.411 ppbv #	67
4) Chloromethane	3.14	50	34465	0.378 ppbv #	81
7) Chloroethane	3.55	64	1294	0.045 ppbv #	43
9) Propene	3.02	41	860501	9.799 ppbv #	80
10) Heptane	8.12	43	121960	0.560 ppbv	91
11) Trichlorofluoromethane	3.95	101	28810	0.146 ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5837	0.047 ppbv #	32
13) Ethanol	3.62	45	9714596	526.922 ppbv	85
15) Acetone	3.84	43	7087227	40.179 ppbv	98
16) 1,3-Butadiene	3.30	39	3726003	44.322 ppbv #	15
17) tert-Butyl alcohol	4.32	59	2565466	17.753 ppbv	99
19) Isopropyl Alcohol	3.99	45	460637	4.518 ppbv #	1
20) Methylene Chloride	4.35	84	103069	1.908 ppbv	88
21) Allyl Chloride	4.32	41	470213	4.885 ppbv #	78
23) Vinyl Acetate	5.06	43	118516	0.533 ppbv #	71
25) Ethyl Acetate	5.68	43	400643	1.115 ppbv #	80
26) Hexane	5.69	57	444383	2.958 ppbv #	43
27) Carbon Disulfide	4.55	76	33845	0.280 ppbv #	38
28) Methyl tert-Butyl Ether	5.03	73	6232	0.031 ppbv #	50
30) Cyclohexane	7.14	84	12741	0.109 ppbv #	1
34) 2-Butanone	5.24	43	861070	4.369 ppbv	99
35) Carbon Tetrachloride	7.02	117	18046	0.092 ppbv #	72
36) Benzene	6.89	78	69386	0.245 ppbv	97
39) 1,2-Dichloropropane	7.18	63	906360	7.879 ppbv #	21
41) Tetrahydrofuran	6.07	42	3839	0.033 ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	87863	0.169 ppbv #	12
50) 4-Methyl-2-Pentanone	8.75	43	28924	0.088 ppbv #	40
51) 2-Hexanone	10.11	43	416059	1.615 ppbv #	35
53) Toluene	9.81	91	771242	2.459 ppbv	100
58) Ethyl Benzene	12.72	91	233547	0.548 ppbv #	85
59) m/p-Xylene	12.97	91	642142	1.754 ppbv	97
60) o-Xylene	13.70	91	230114	0.652 ppbv	97
61) Styrene	13.53	104	38000	0.171 ppbv #	86
62) Isopropylbenzene	14.67	105	21702	0.041 ppbv #	39
64) n-propylbenzene	15.57	120	11463	0.089 ppbv #	1
65) tert-Butylbenzene	16.76	119	20616	0.046 ppbv #	18
67) sec-Butylbenzene	17.30	105	53643	0.081 ppbv #	88
69) p-Isopropyltoluene	17.66	119	61929	0.120 ppbv #	91
72) 4-Ethyltoluene	15.85	105	24463	0.061 ppbv #	1
73) 1,3,5-Trimethylbenzene	16.01	105	39975	0.105 ppbv #	73

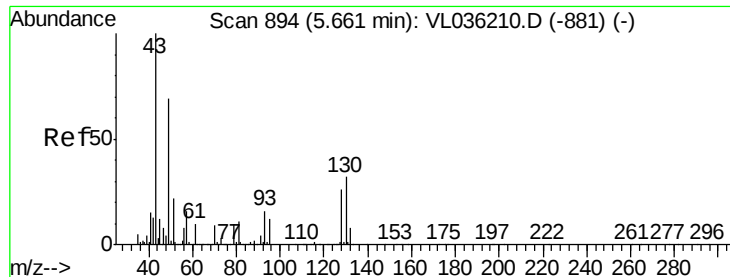
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036228.D
Acq On : 13 Jan 2021 16:46
Operator : SY/AP
Sample : M1066-02
Misc : 400ml/MSVOA L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

Quant Time: Jan 13 22:08:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
QLast Update : Wed Jan 13 07:53:51 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.76	105	402805	1.035	ppbv	# 66

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

0121-SS2

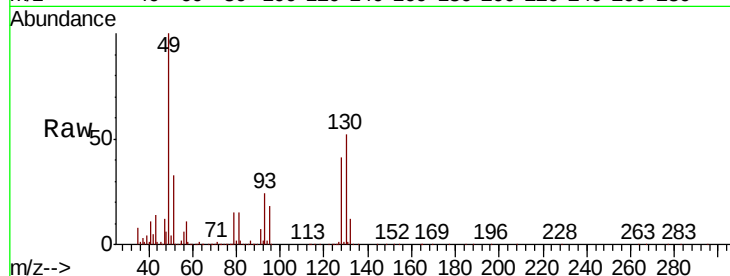
Tot Ion: 49 Resp: 1485192

Ion Ratio Lower Upper

49 100

128 39.3 20.1 60.2

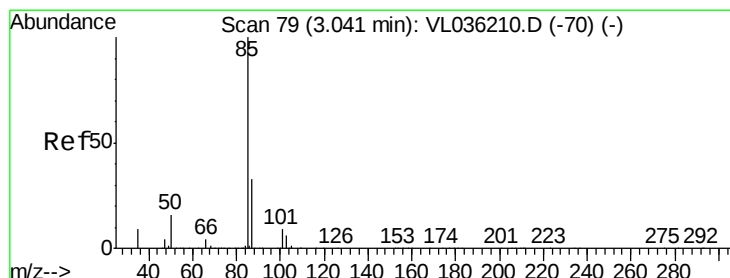
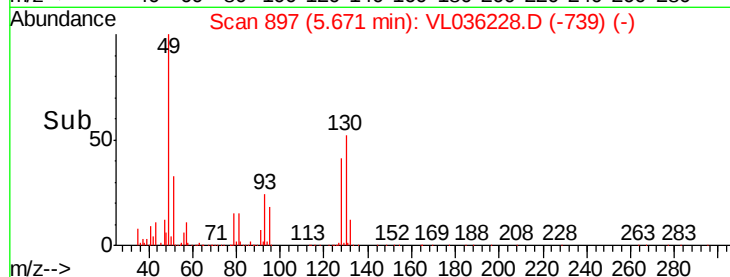
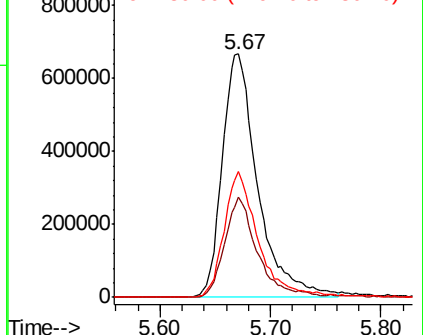
130 50.5 25.3 75.9



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: 0.149 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036228.D

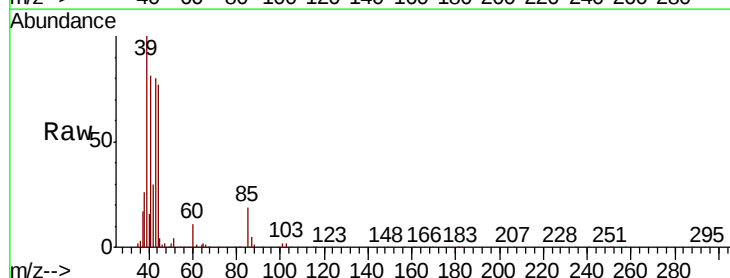
Acq: 13 Jan 2021 16:46

Tgt Ion: 85 Resp: 29988

Ion Ratio Lower Upper

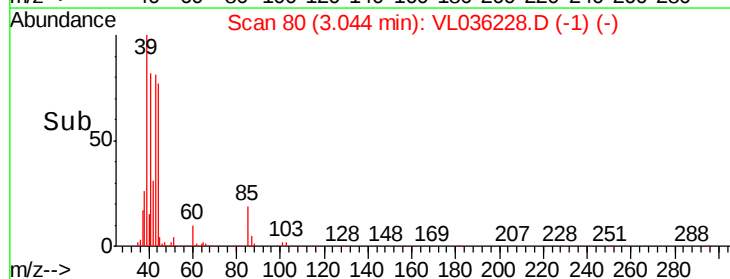
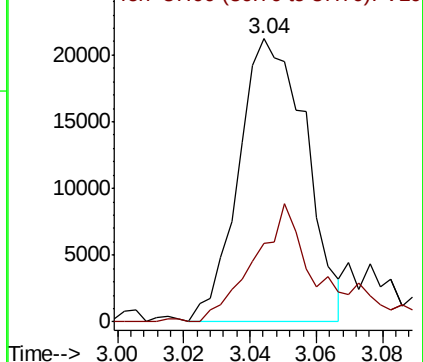
85 100

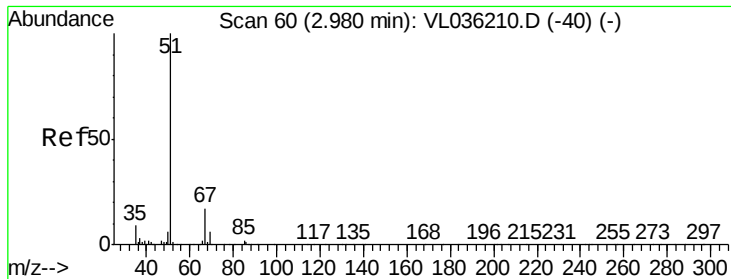
87 27.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.411 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

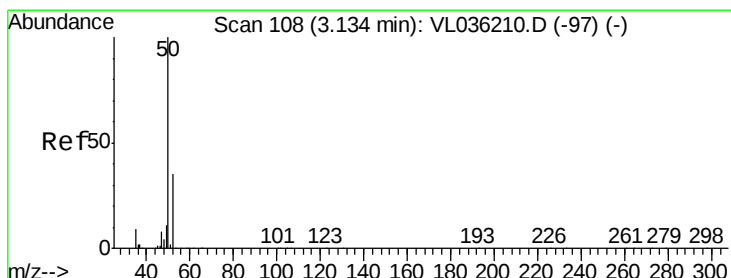
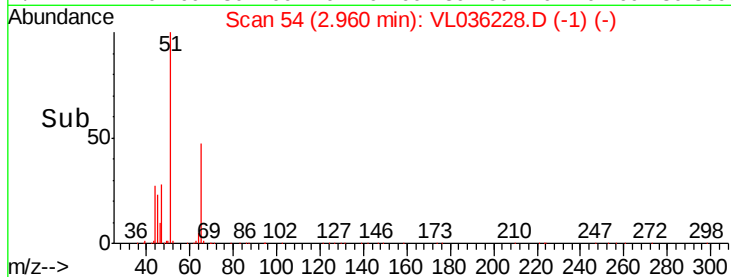
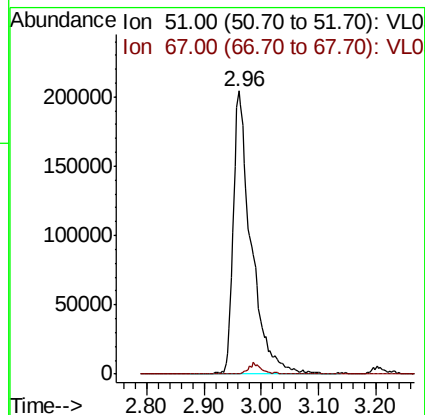
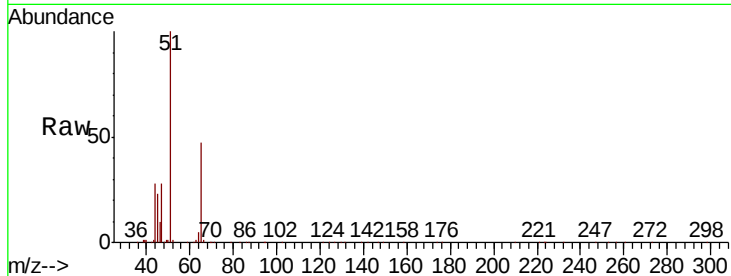
0121-SS2

Tot Ion: 51 Resp: 444288

Ion Ratio Lower Upper

51 100

67 3.0 14.0 21.0#



#4

Chloromethane

Concen: 0.378 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL036228.D

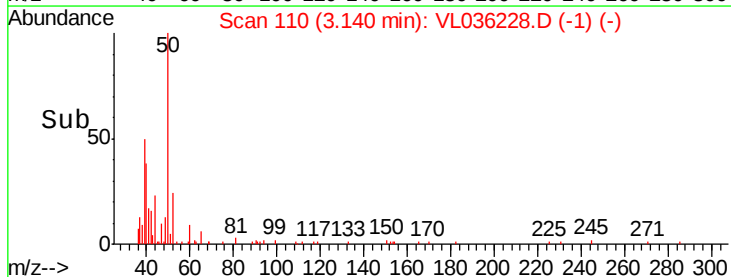
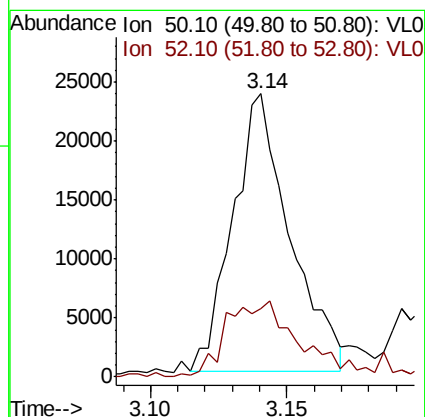
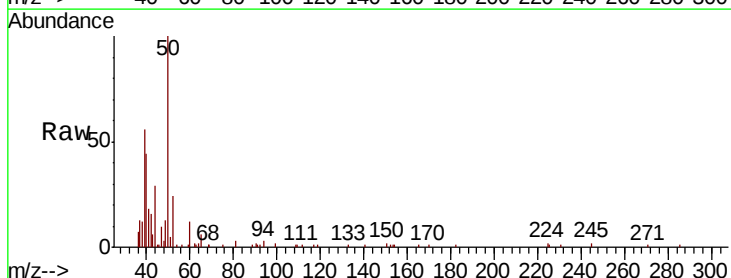
Acq: 13 Jan 2021 16:46

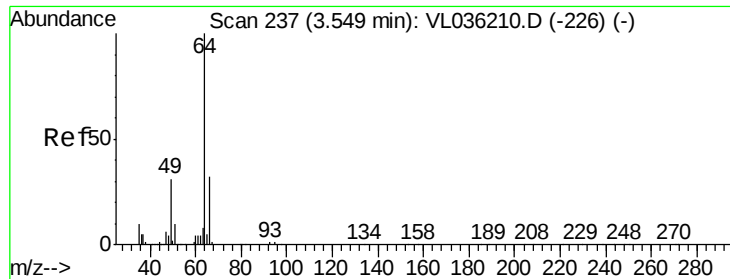
Tgt Ion: 50 Resp: 34465

Ion Ratio Lower Upper

50 100

52 23.7 27.8 41.8#





#7

Chloroethane

Concen: 0.045 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

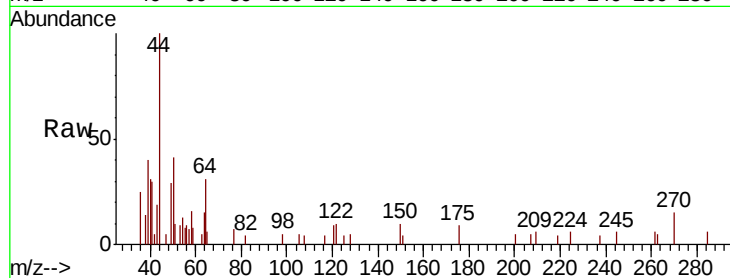
0121-SS2

Tot Ion: 64 Resp: 1294

Ion Ratio Lower Upper

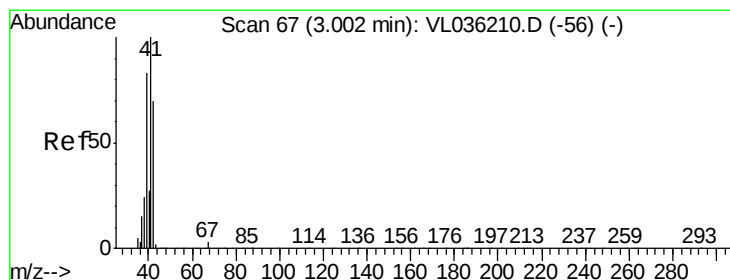
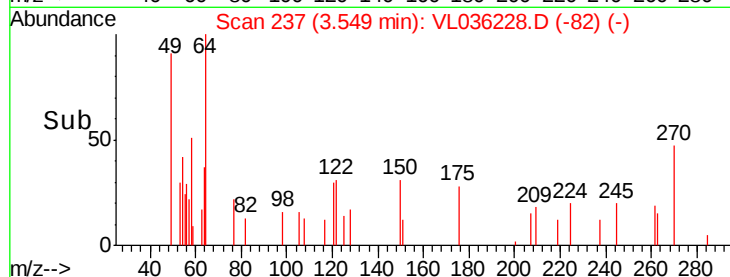
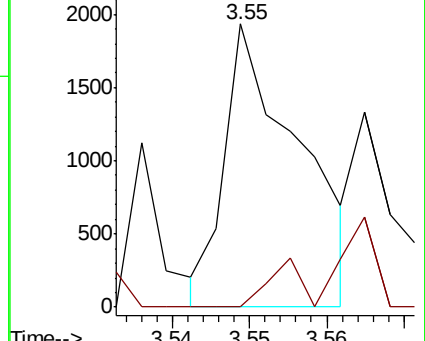
64 100

66 0.0 25.2 37.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 9.799 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036228.D

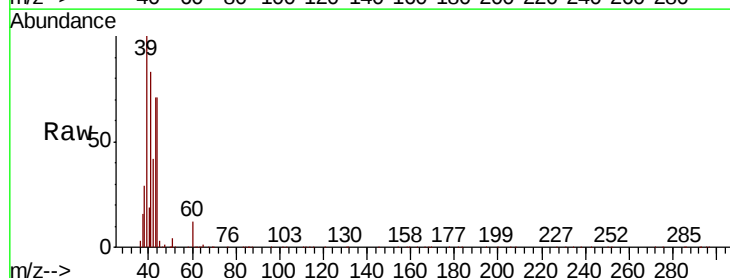
Acq: 13 Jan 2021 16:46

Tgt Ion: 41 Resp: 860501

Ion Ratio Lower Upper

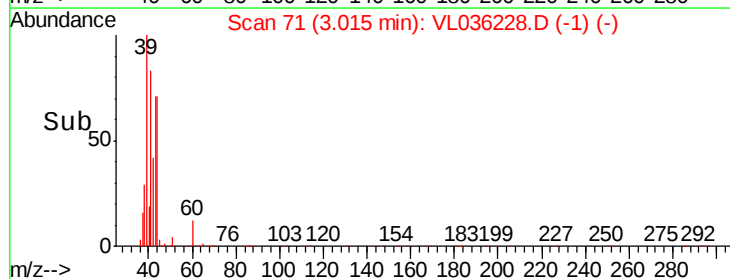
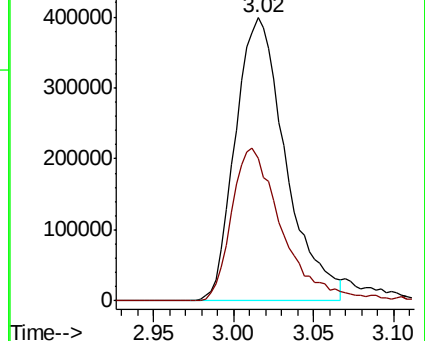
41 100

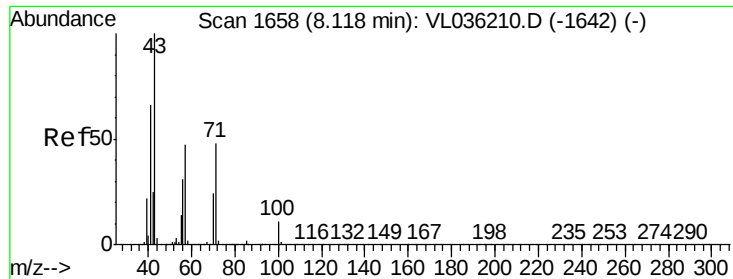
42 54.8 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

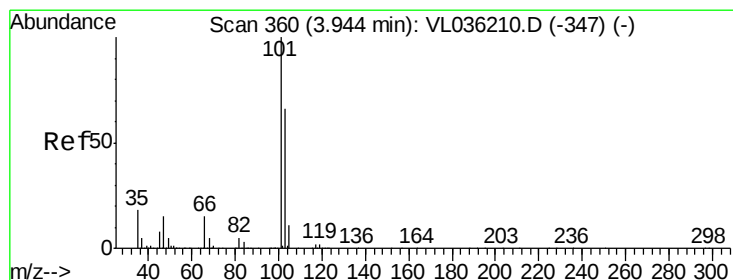
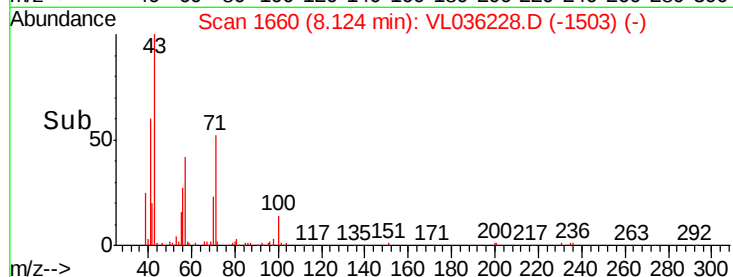
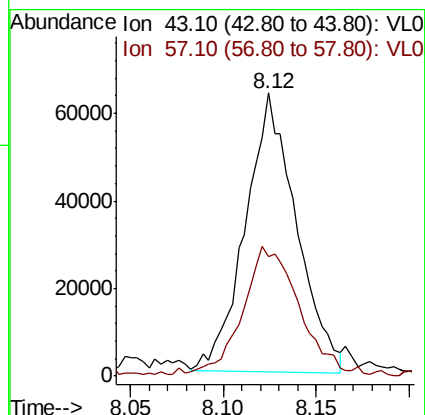
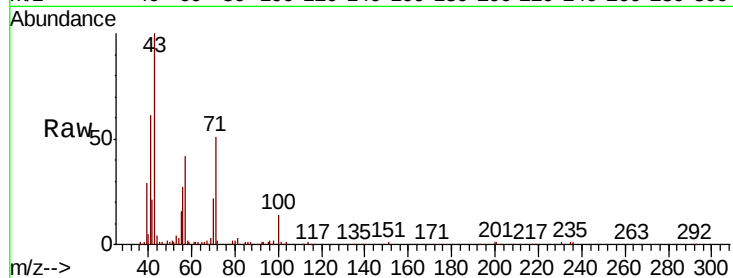




#10
Heptane
Concen: 0.560 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

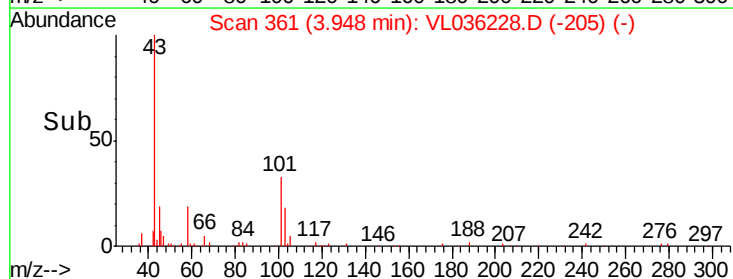
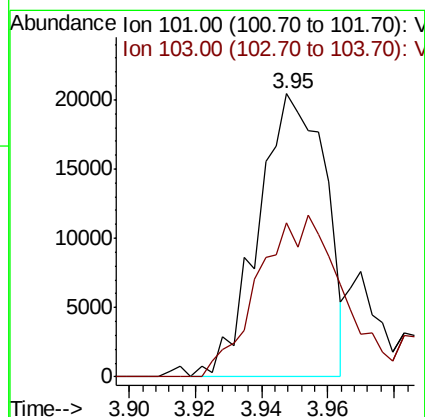
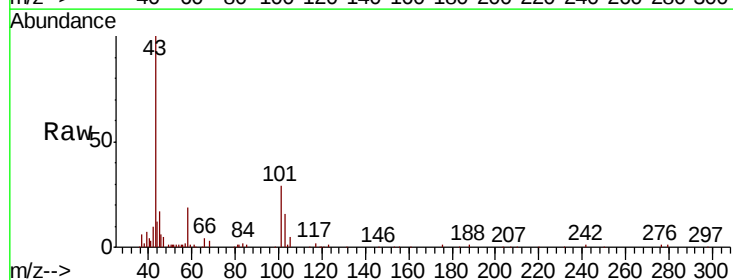
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

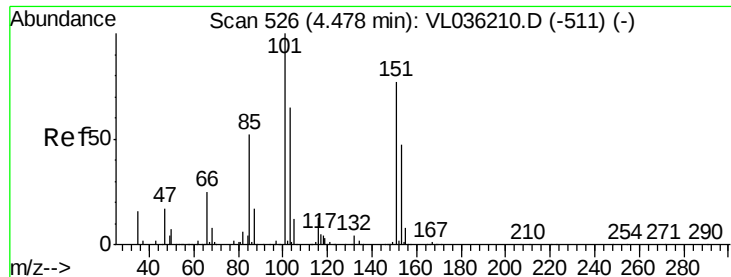
Tot Ion: 43 Resp: 121960
Ion Ratio Lower Upper
43 100
57 53.4 38.1 57.1



#11
Trichlorofluoromethane
Concen: 0.146 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion:101 Resp: 28810
Ion Ratio Lower Upper
101 100
103 54.5 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.047 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

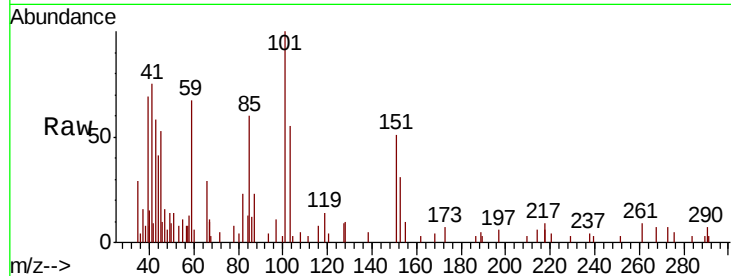
0121-SS2

Tot Ion:101 Resp: 5837

Ion Ratio Lower Upper

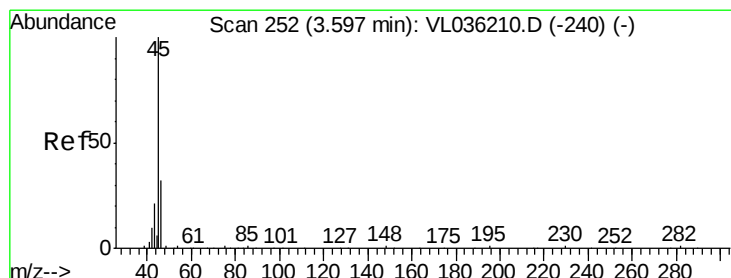
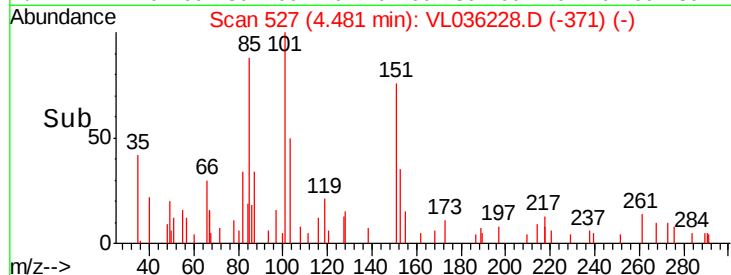
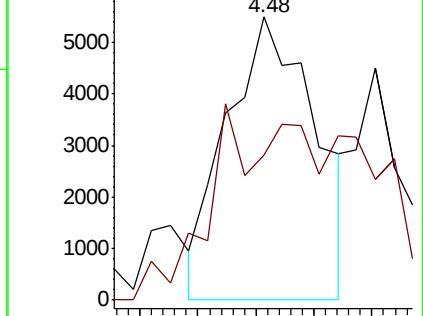
101 100

151 132.8 59.8 89.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 526.922 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.03 min

Lab File: VL036228.D

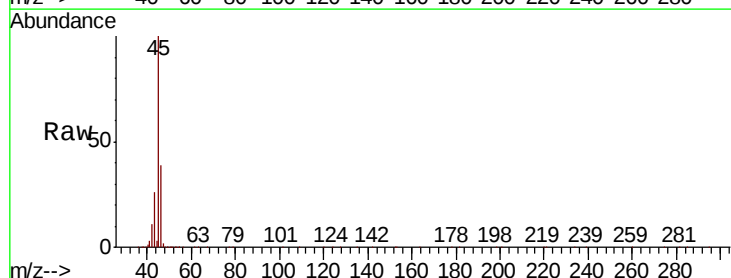
Acq: 13 Jan 2021 16:46

Tgt Ion: 45 Resp: 9714596

Ion Ratio Lower Upper

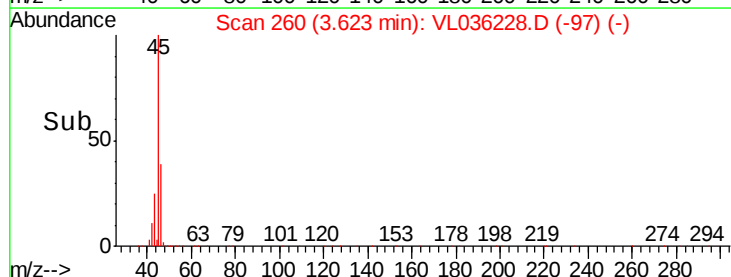
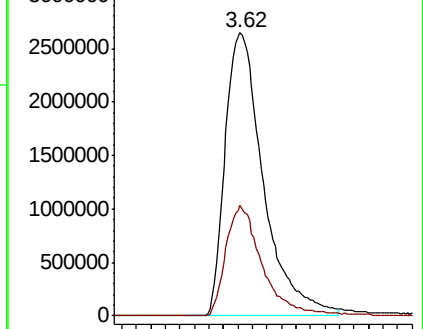
45 100

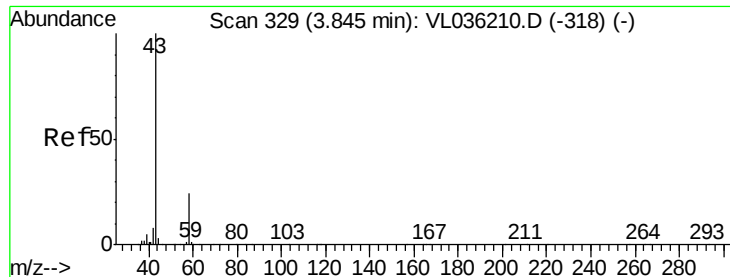
46 37.7 19.2 77.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

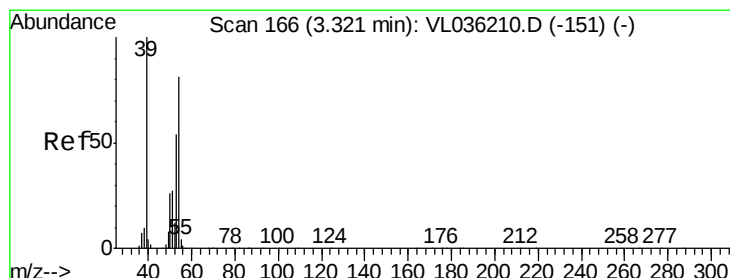
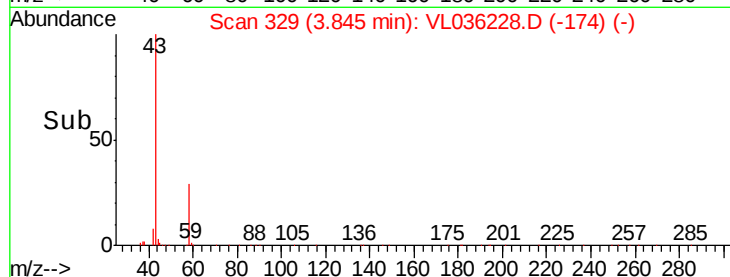
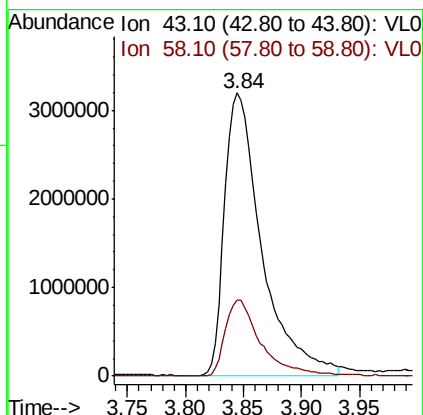
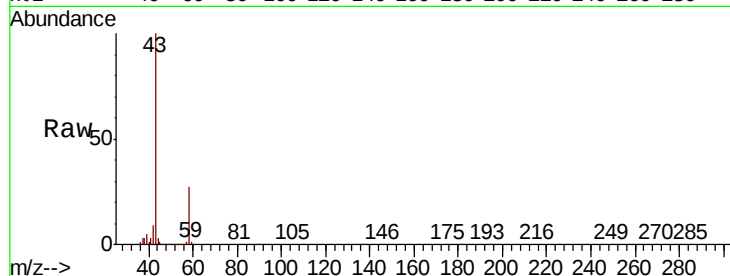




#15
Acetone
Concen: 40.179 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

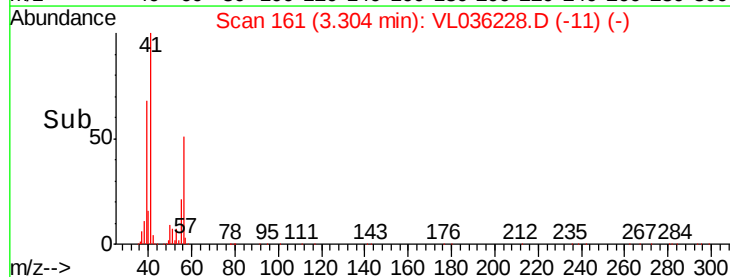
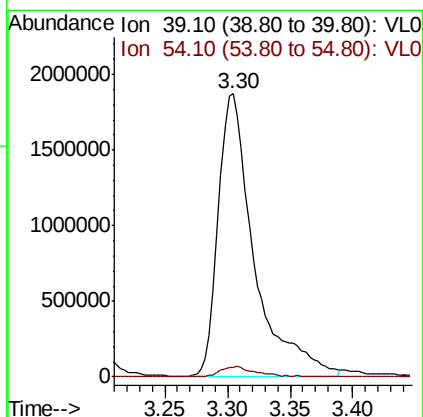
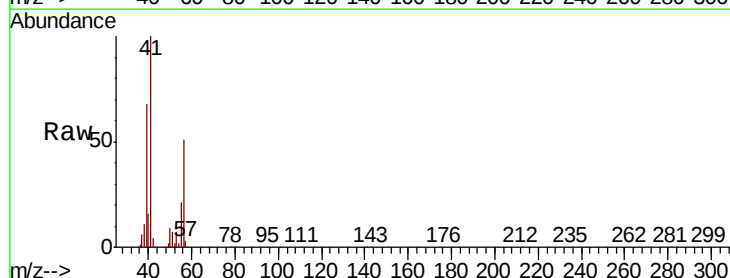
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

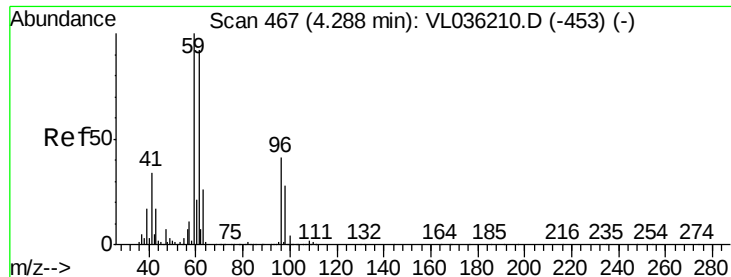
Tot Ion: 43 Resp: 7087227
Ion Ratio Lower Upper
43 100
58 26.9 20.9 31.3



#16
1,3-Butadiene
Concen: 44.322 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion: 39 Resp: 3726003
Ion Ratio Lower Upper
39 100
54 3.9 62.5 93.7#





#17

tert-Butyl alcohol
Concen: 17.753 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.03 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

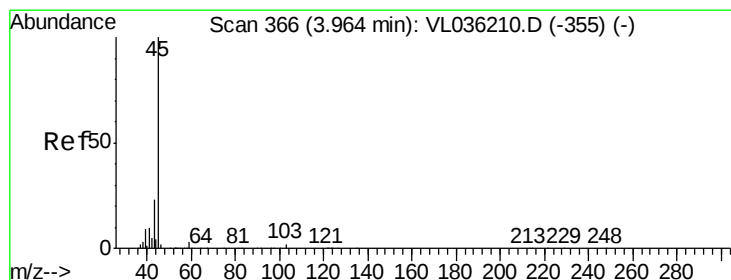
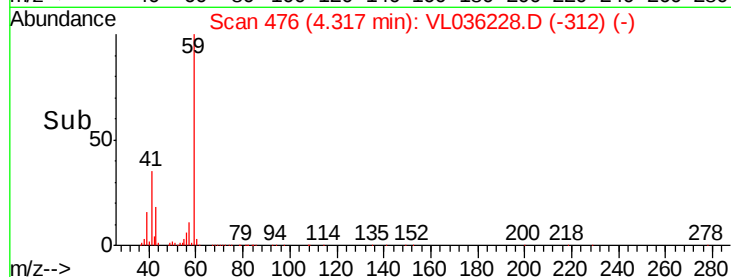
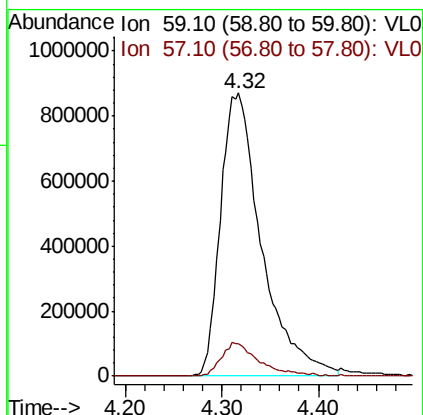
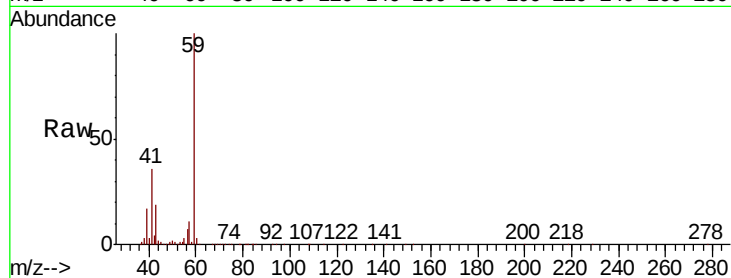
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

Tot Ion: 59 Resp: 2565466

Ion Ratio Lower Upper

59 100

57 11.2 9.2 13.8



#19

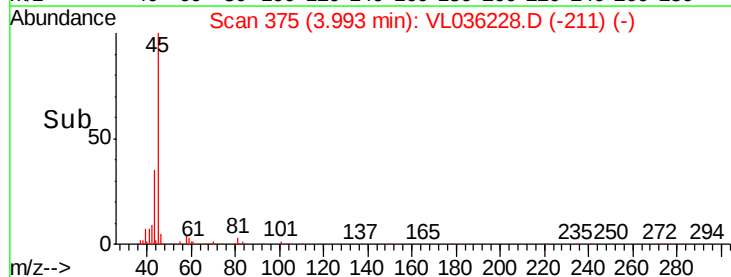
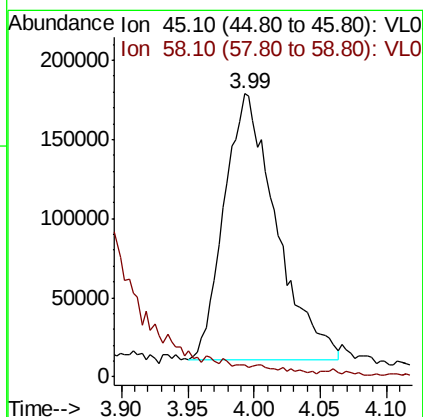
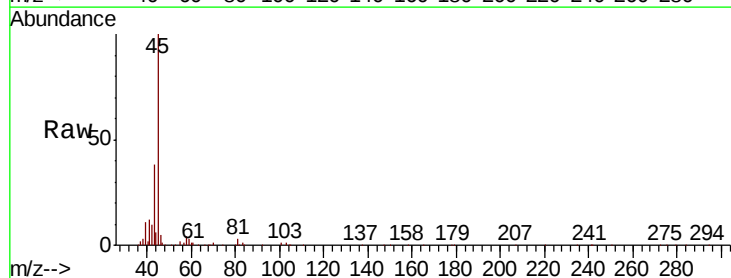
Isopropyl Alcohol
Concen: 4.518 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.03 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

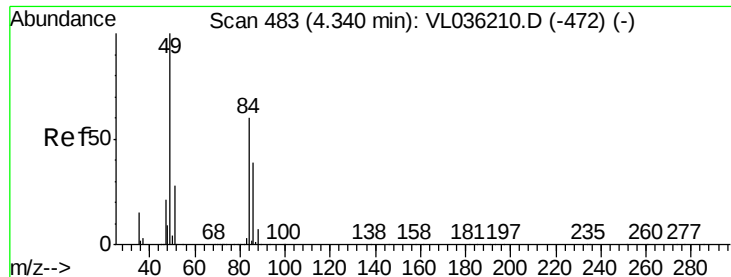
Tgt Ion: 45 Resp: 460637

Ion Ratio Lower Upper

45 100

58 411.8 1.9 2.9#

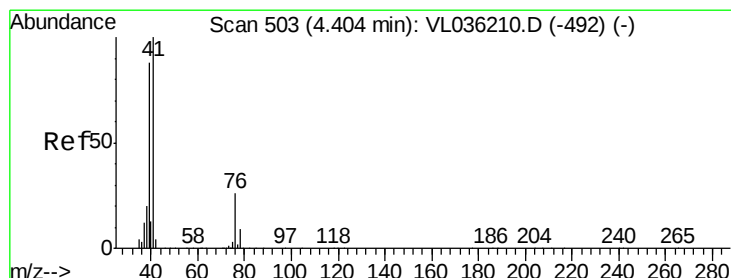
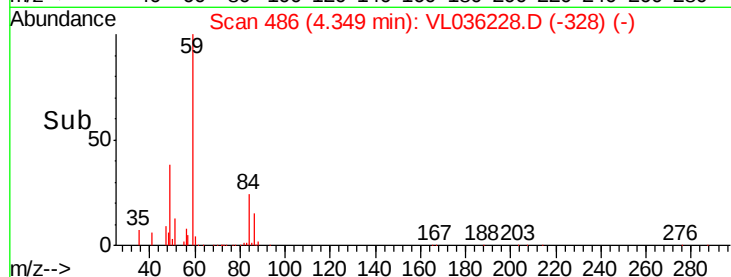
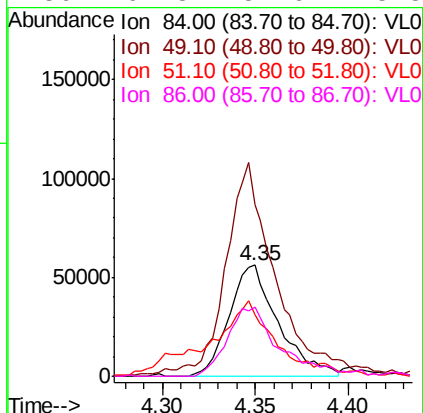
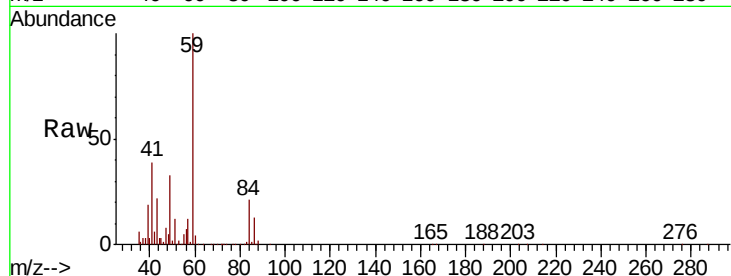




#20
Methylene Chloride
Concen: 1.908 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

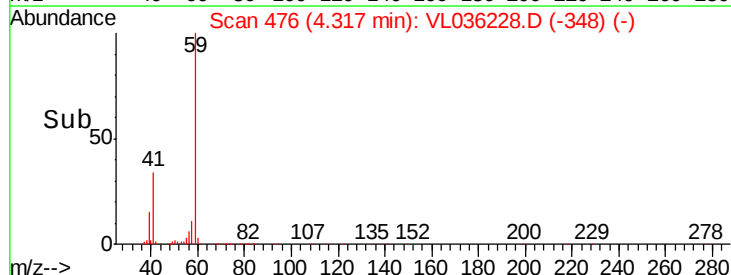
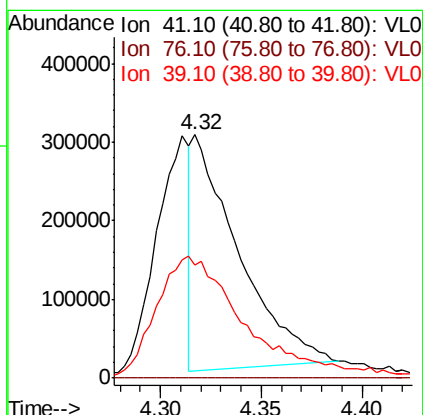
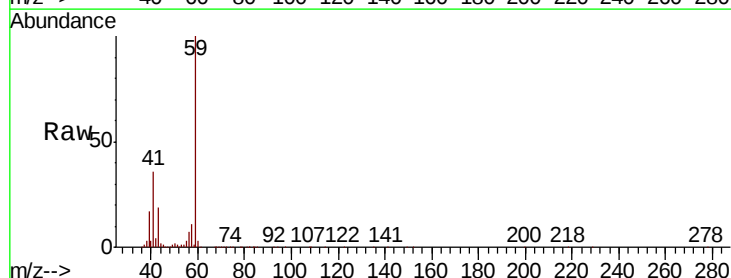
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

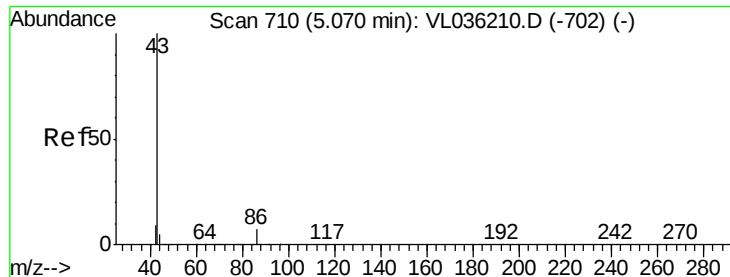
Tot Ion:	84	Resp:	103069
Ion	Ratio	Lower	Upper
84	100		
49	144.7	134.1	201.1
51	49.6	37.4	56.0
86	61.8	52.6	78.8



#21
Allyl Chloride
Concen: 4.885 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.09 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion:	41	Resp:	470213
Ion	Ratio	Lower	Upper
41	100		
76	0.0	20.5	30.7#
39	96.8	67.8	101.8





#23

Vinyl Acetate

Concen: 0.533 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

0121-SS2

Tot Ion: 43 Resp: 118516

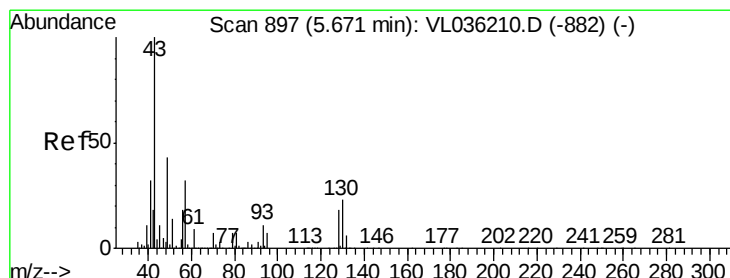
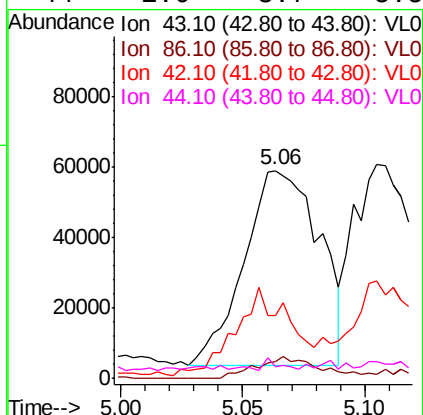
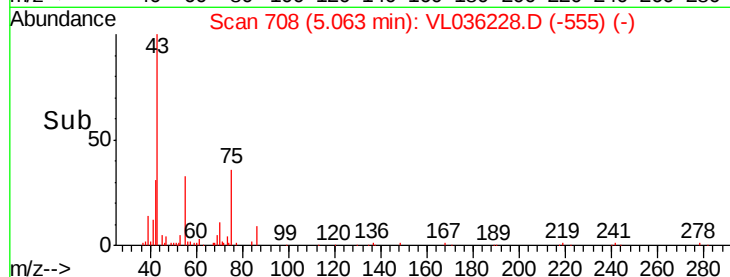
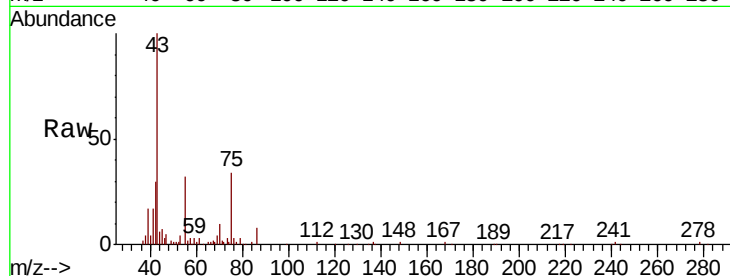
Ion Ratio Lower Upper

43 100

86 8.4 4.9 7.3#

42 28.4 7.8 11.6#

44 1.0 3.7 5.5#



#25

Ethyl Acetate

Concen: 1.115 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Tgt Ion: 43 Resp: 400643

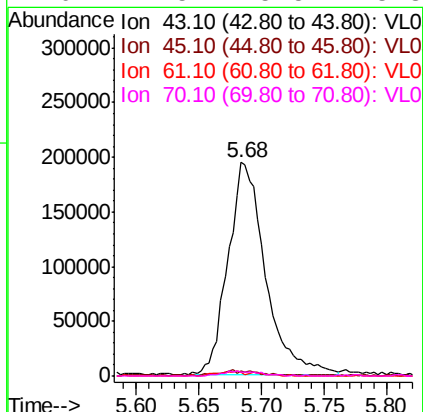
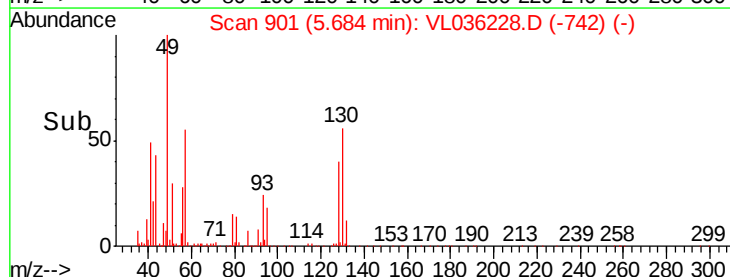
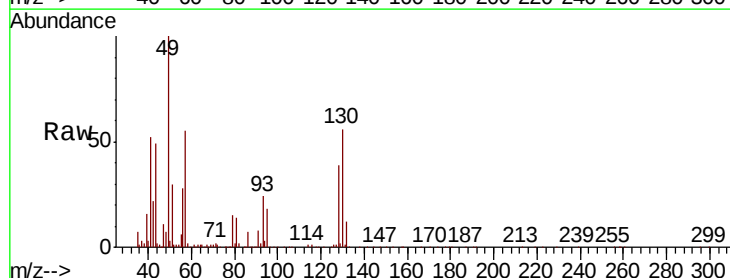
Ion Ratio Lower Upper

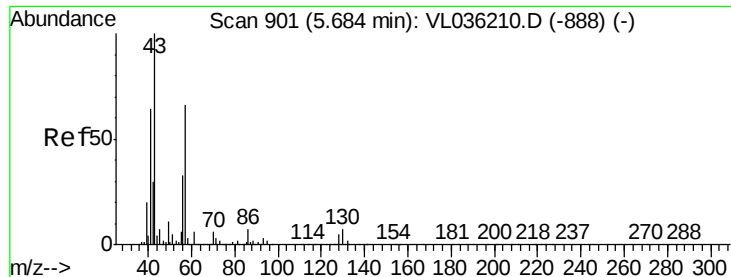
43 100

45 1.2 8.3 12.5#

61 2.2 7.4 11.2#

70 2.5 5.5 8.3#

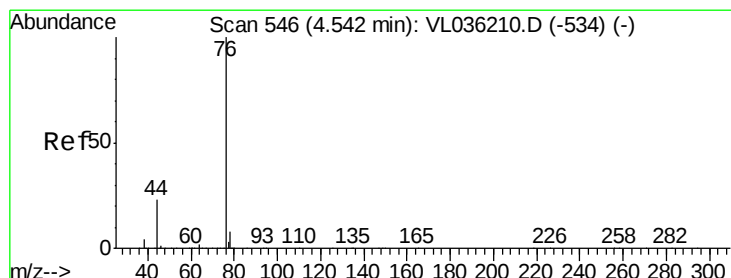
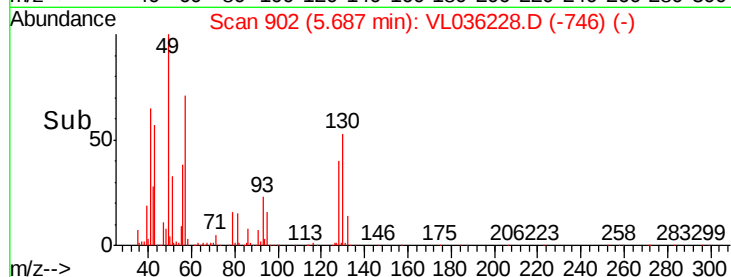
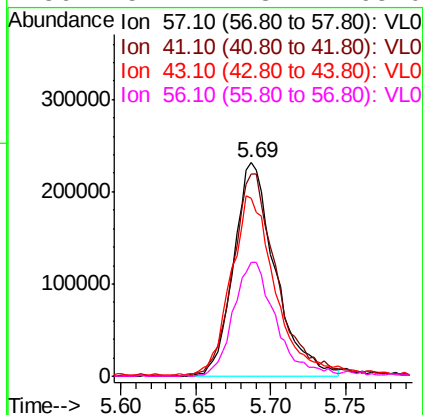
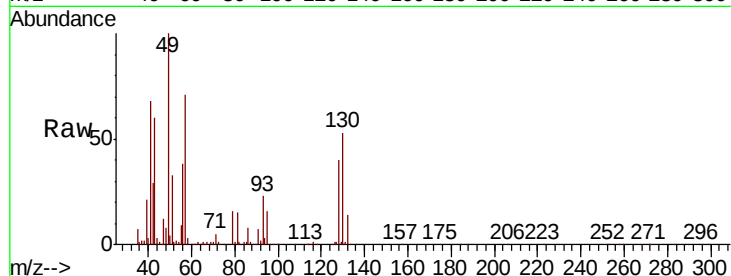




#26
Hexane
Concen: 2.958 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

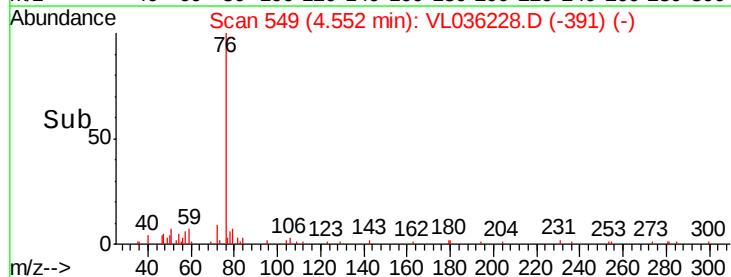
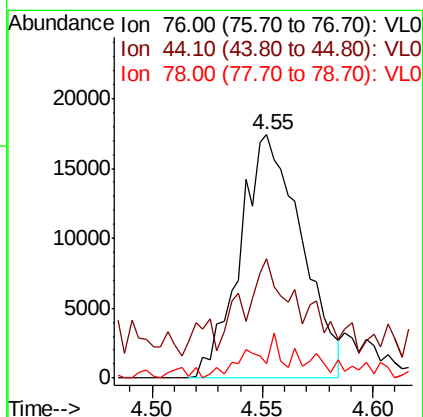
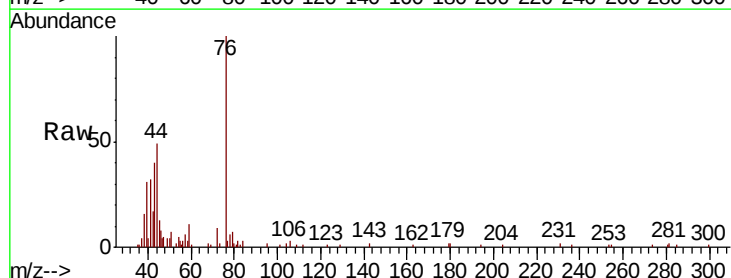
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

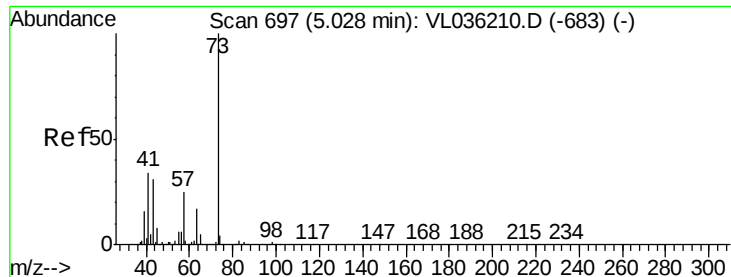
Tot Ion: 57 Resp: 444383
Ion Ratio Lower Upper
57 100
41 103.4 83.0 124.6
43 93.1 202.4 303.6#
56 57.2 43.4 65.0



#27
Carbon Disulfide
Concen: 0.280 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion: 76 Resp: 33845
Ion Ratio Lower Upper
76 100
44 62.4 19.0 28.6#
78 18.1 8.0 12.0#



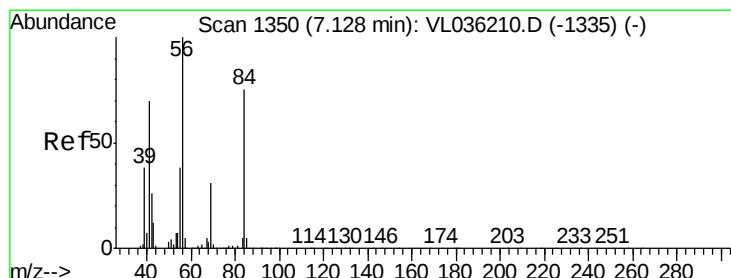
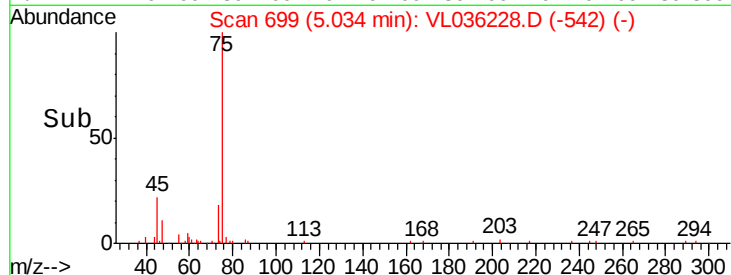
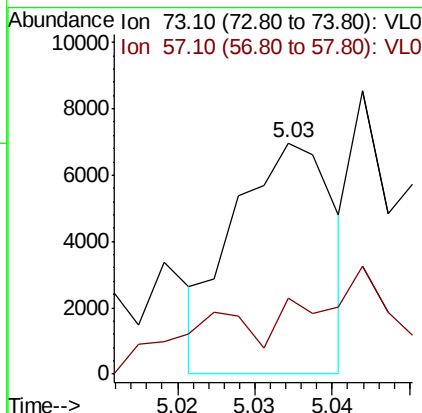
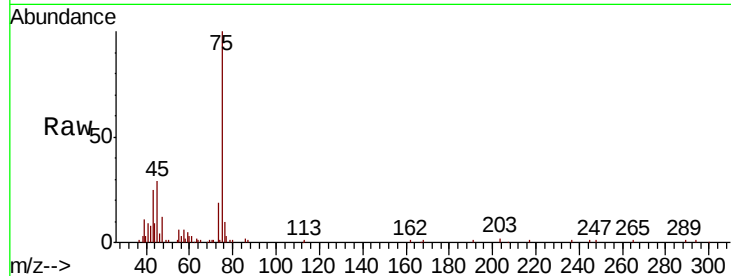


#28

Methyl tert-Butyl Ether
 Concen: 0.031 ppbv
 RT: 5.03 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VL036228.D
 Acq: 13 Jan 2021 16:46

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS2

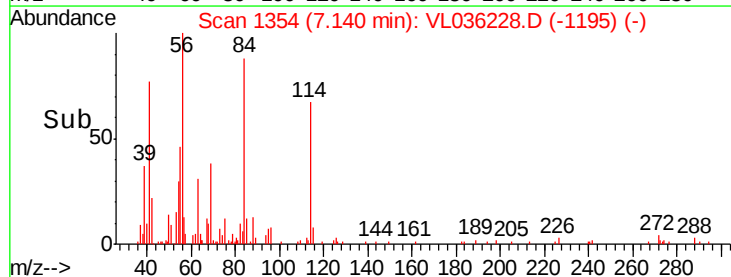
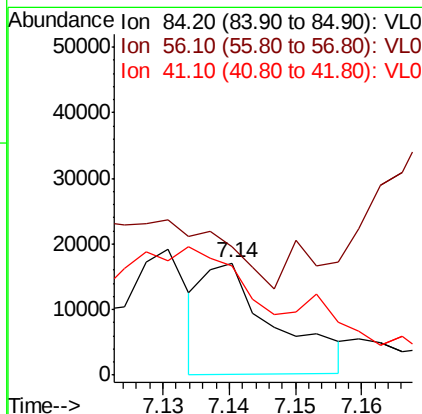
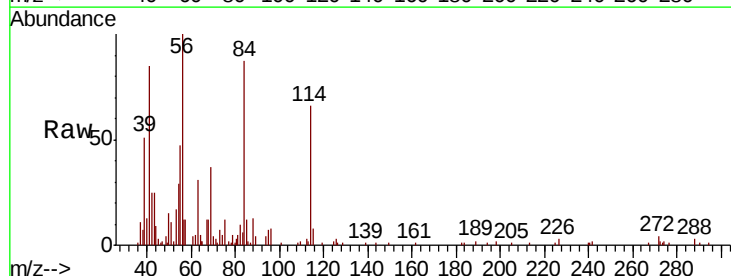
Tot Ion: 73 Resp: 6232
 Ion Ratio Lower Upper
 73 100
 57 0.0 20.4 30.6#

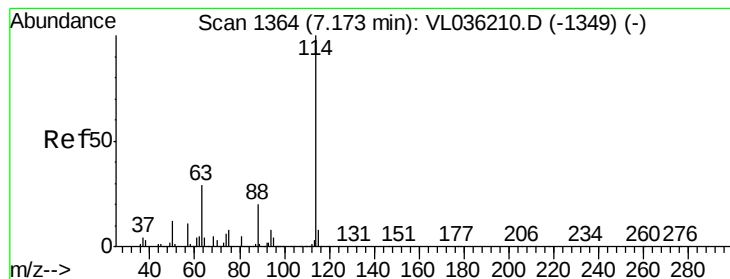


#30

Cyclohexane
 Concen: 0.109 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. 0.01 min
 Lab File: VL036228.D
 Acq: 13 Jan 2021 16:46

Tgt Ion: 84 Resp: 12741
 Ion Ratio Lower Upper
 84 100
 56 0.0 119.4 179.0#
 41 0.0 79.4 119.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

0121-SS2

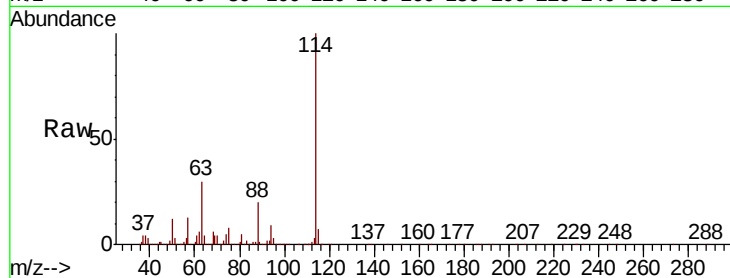
Tot Ion:114 Resp: 3092197

Ion Ratio Lower Upper

114 100

63 30.1 24.7 37.1

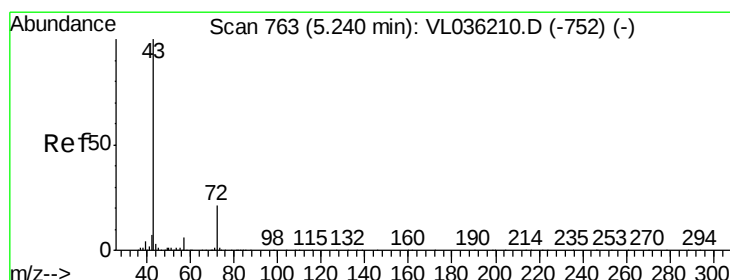
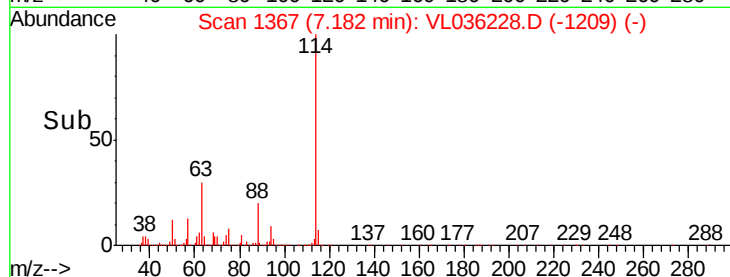
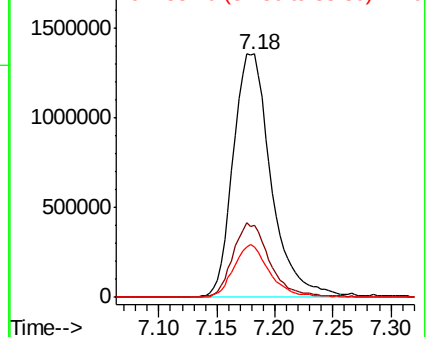
88 20.6 16.6 24.8



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: 4.369 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL036228.D

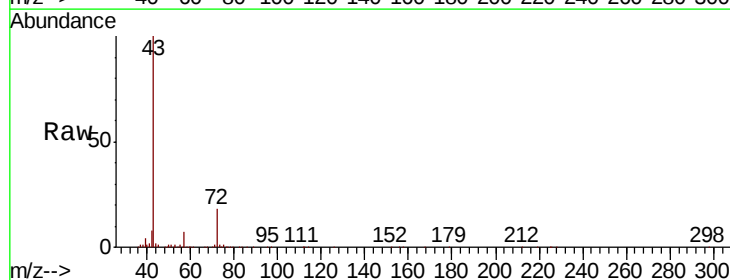
Acq: 13 Jan 2021 16:46

Tgt Ion: 43 Resp: 861070

Ion Ratio Lower Upper

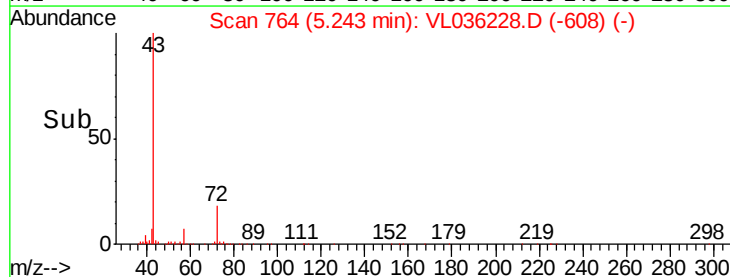
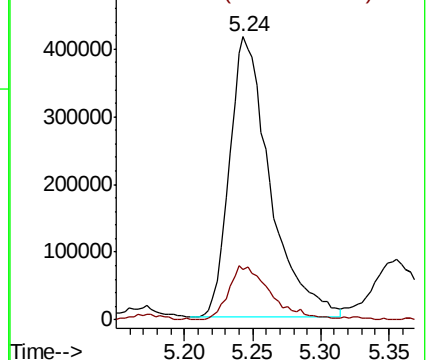
43 100

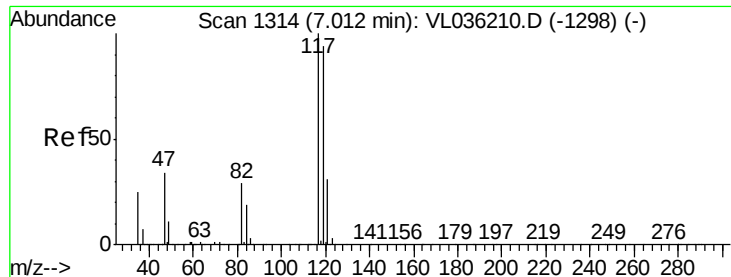
72 19.8 16.1 24.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.092 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

0121-SS2

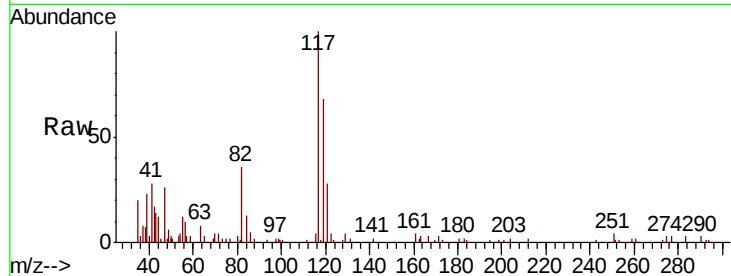
Tot Ion:117 Resp: 18046

Ion Ratio Lower Upper

117 100

119 61.8 74.9 112.3#

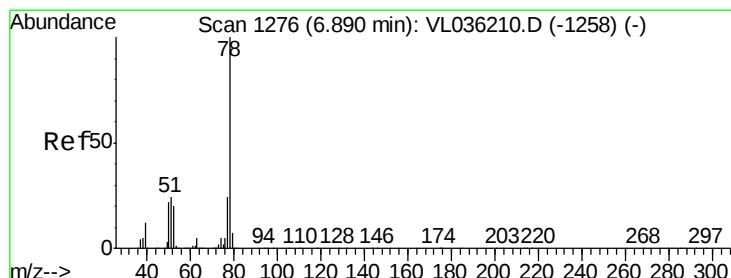
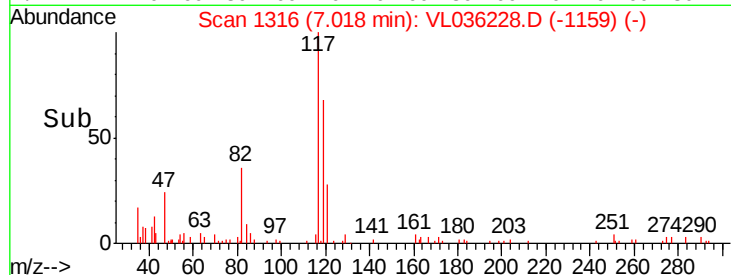
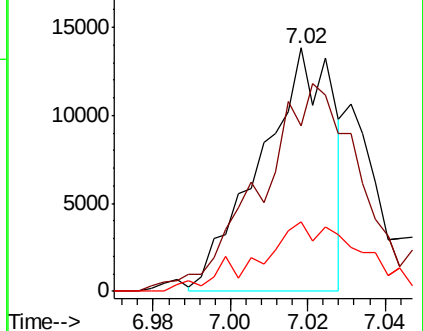
121 24.5 25.0 37.6#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.245 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

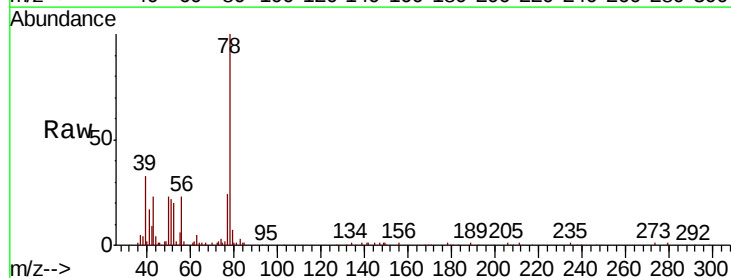
Tgt Ion: 78 Resp: 69386

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0

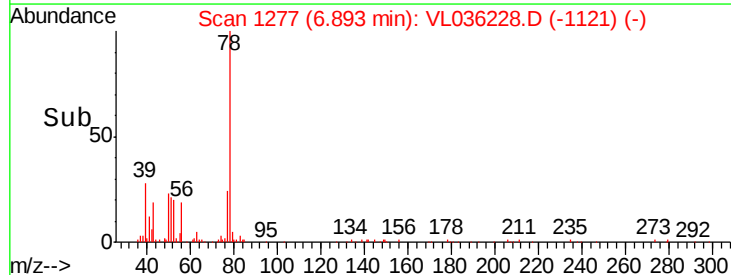
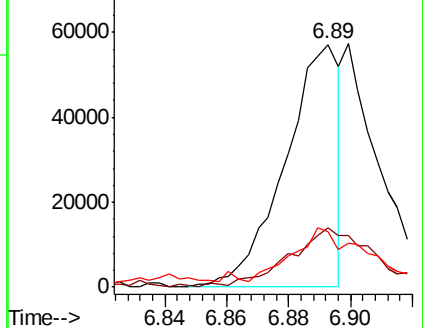
50 19.1 17.4 26.2

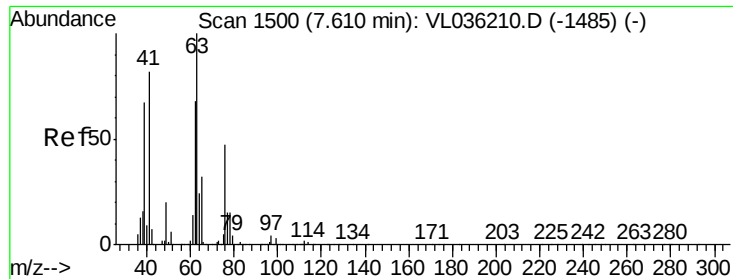


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

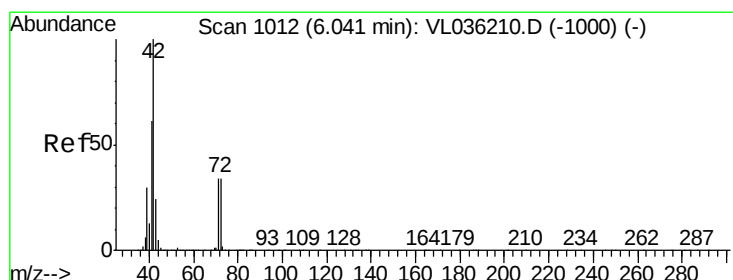
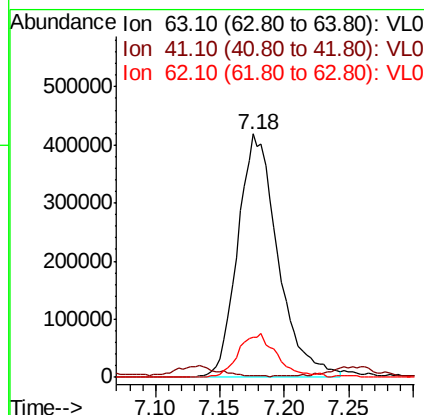
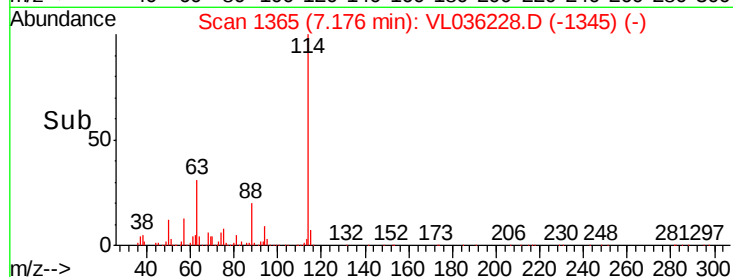
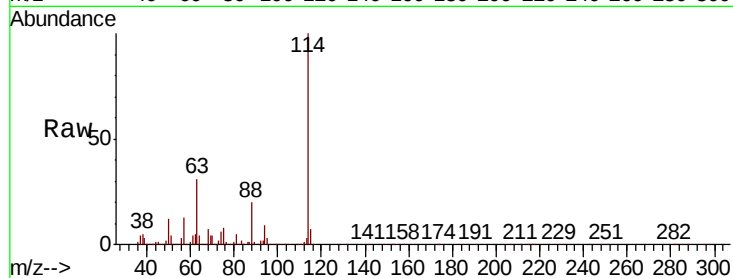




#39
 1,2-Dichloropropane
 Concen: 7.879 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL036228.D
 Acq: 13 Jan 2021 16:46

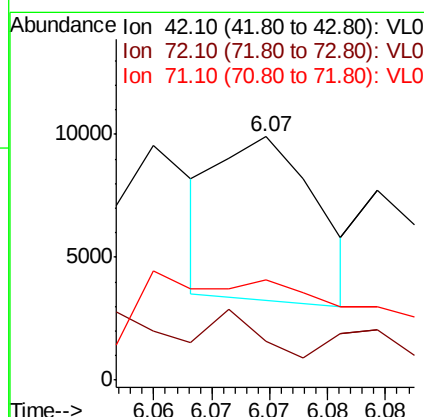
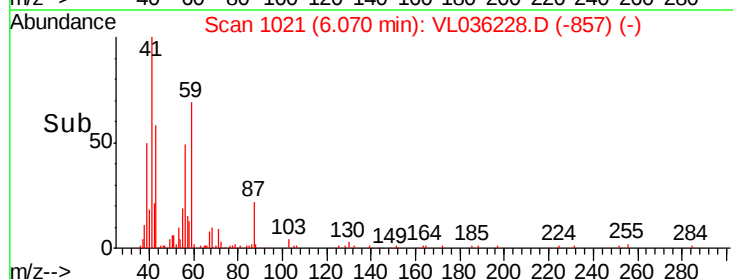
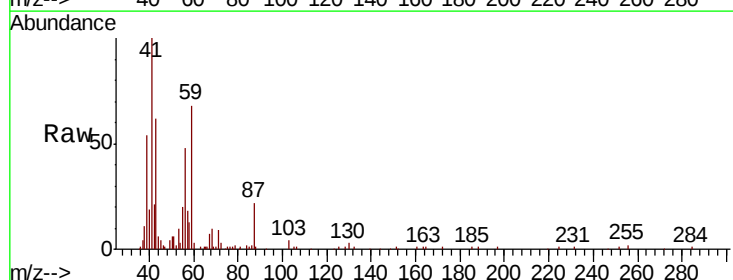
Instrument :
 MSVOA_L
 ClientSampled :
 0121-SS2

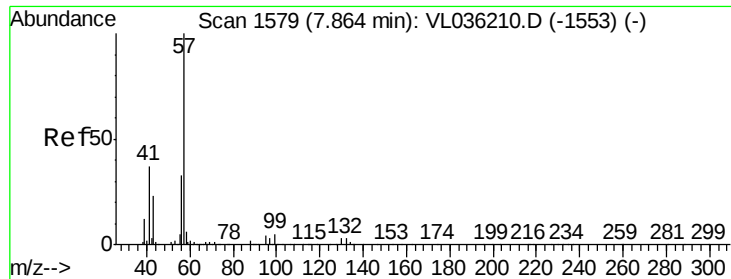
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	16.6	54.8	82.2#



#41
 Tetrahydrofuran
 Concen: 0.033 ppbv
 RT: 6.07 min Scan# 1021
 Delta R.T. 0.03 min
 Lab File: VL036228.D
 Acq: 13 Jan 2021 16:46

Tgt Ion	Ratio	Lower	Upper
42	100		
72	176.9	29.5	44.3#
71	0.0	29.1	43.7#

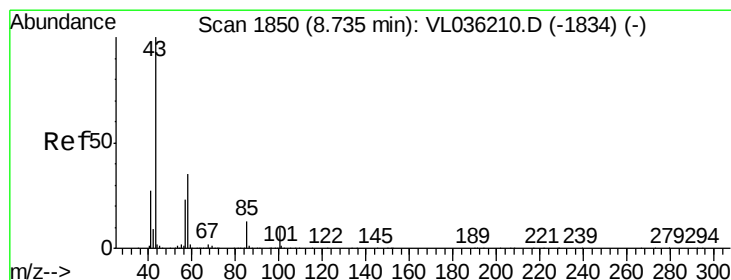
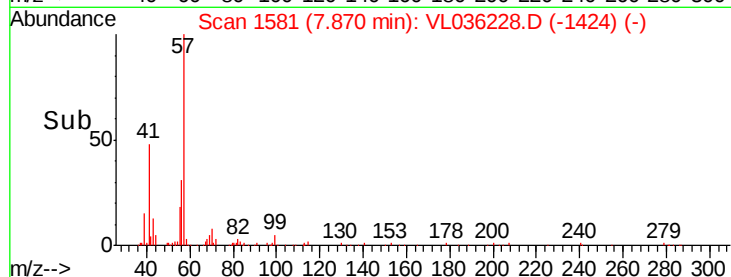
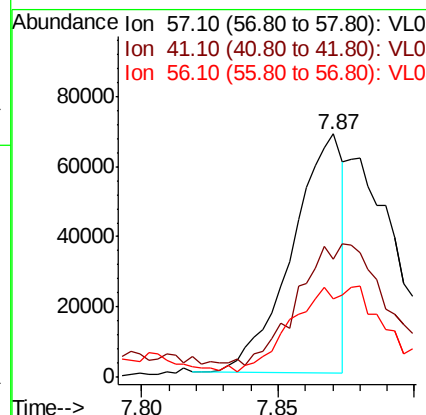
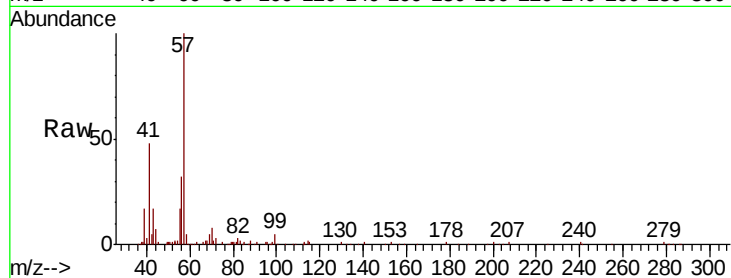




#44
 2,2,4-Trimethylpentane
 Concen: 0.169 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VL036228.D
 Acq: 13 Jan 2021 16:46

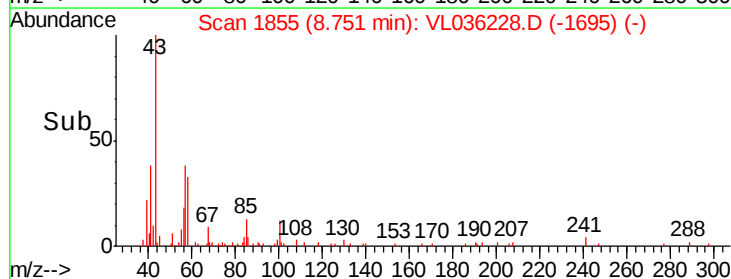
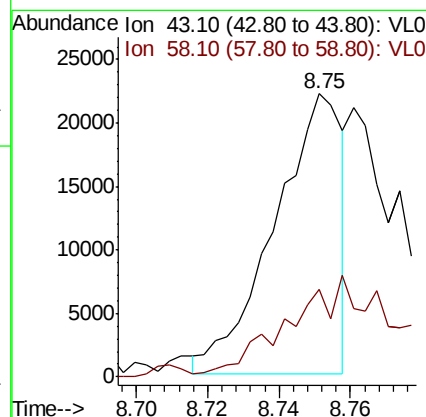
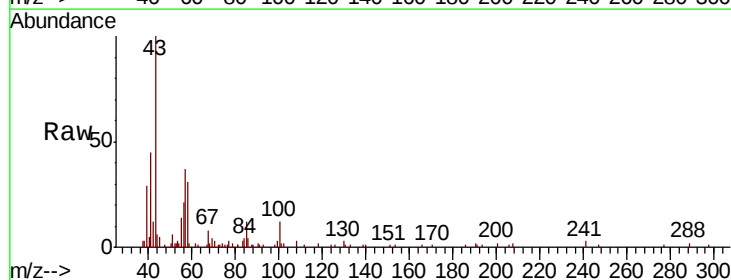
Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS2

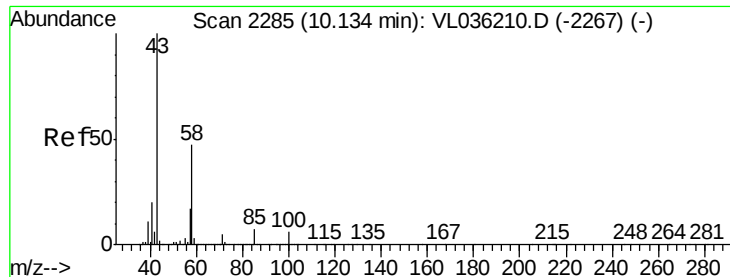
Tot Ion: 57 Resp: 87863
 Ion Ratio Lower Upper
 57 100
 41 103.4 28.5 42.7#
 56 0.0 25.5 38.3#



#50
 4-Methyl-2-Pentanone
 Concen: 0.088 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.02 min
 Lab File: VL036228.D
 Acq: 13 Jan 2021 16:46

Tgt Ion: 43 Resp: 28924
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.6 41.4#

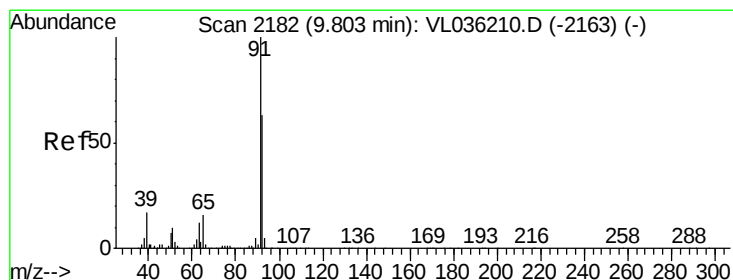
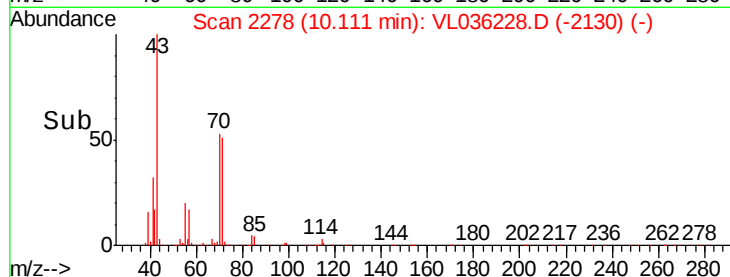
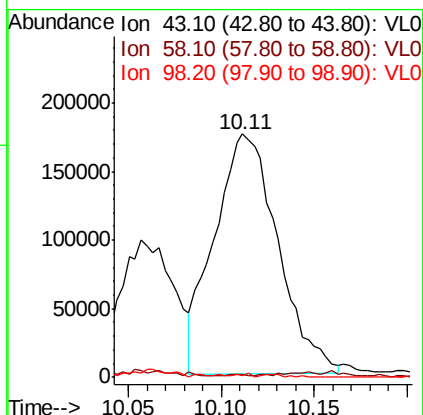
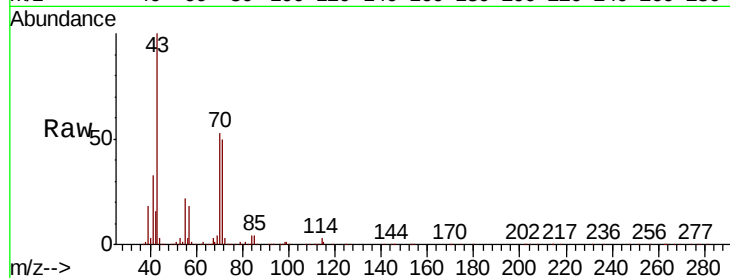




#51
2-Hexanone
Concen: 1.615 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.02 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

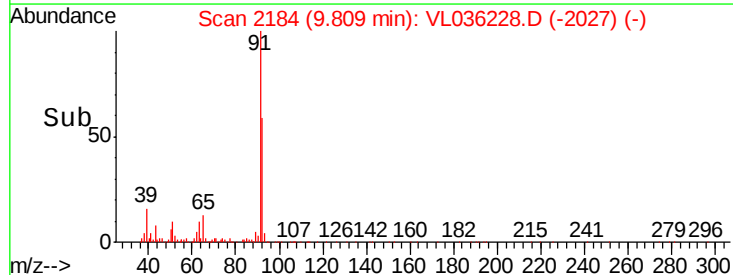
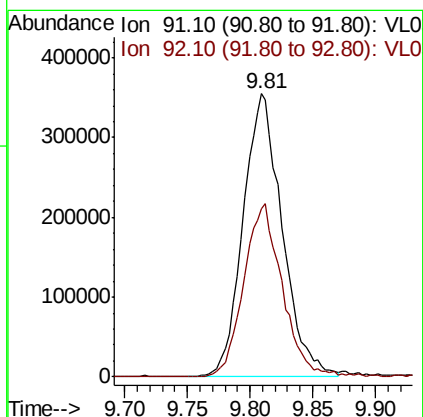
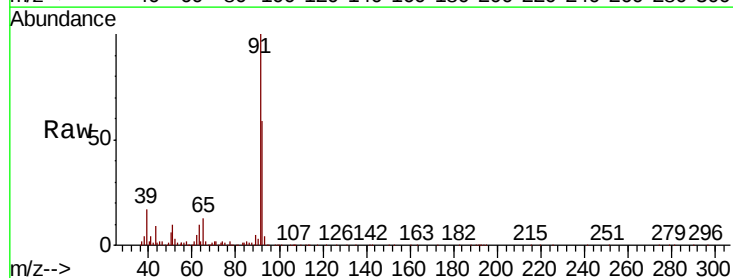
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

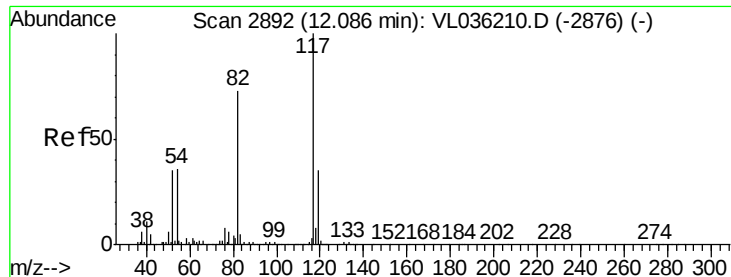
Tot Ion: 43 Resp: 416059
Ion Ratio Lower Upper
43 100
58 3.0 37.4 56.0#
98 0.9 0.2 0.2#



#53
Toluene
Concen: 2.459 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion: 91 Resp: 771242
Ion Ratio Lower Upper
91 100
92 60.8 48.5 72.7

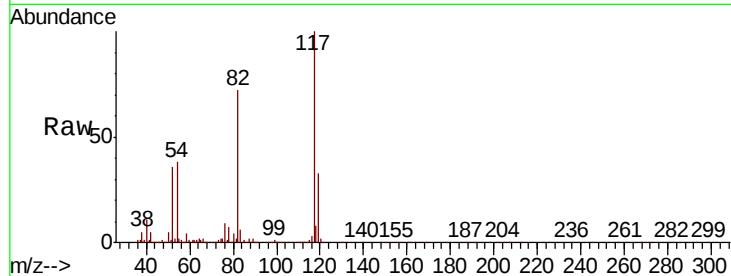




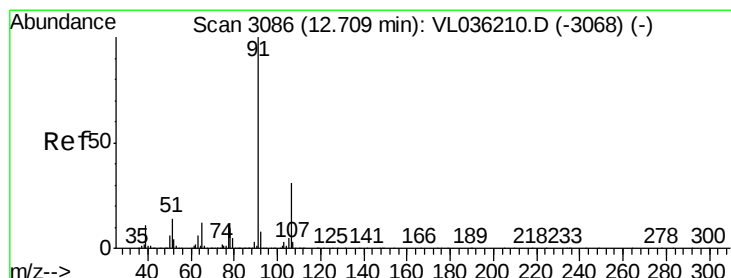
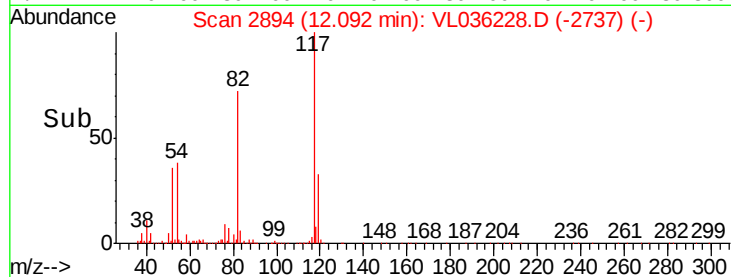
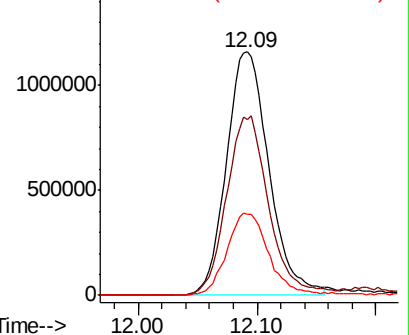
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

Tot Ion:117 Resp: 2870754
Ion Ratio Lower Upper
117 100
82 73.4 59.7 89.5
119 33.7 28.6 43.0

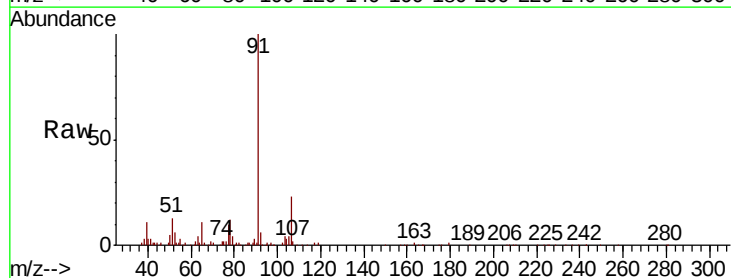


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

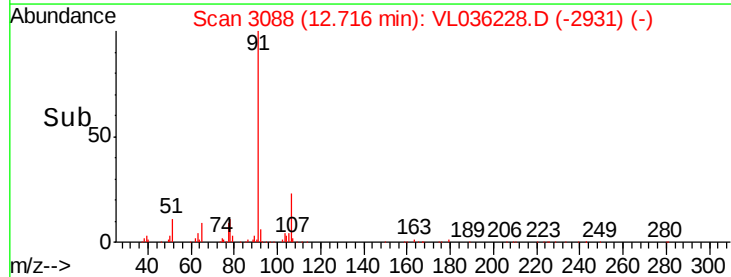
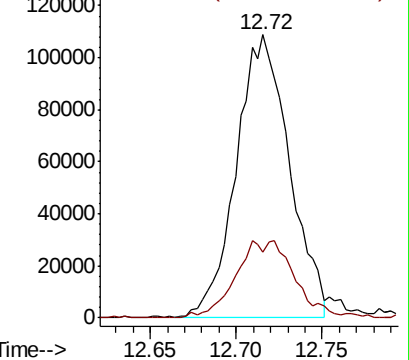


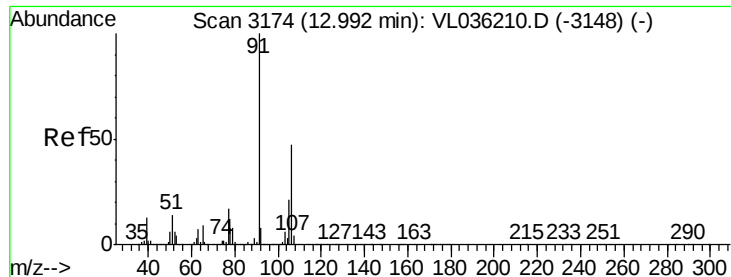
#58
Ethyl Benzene
Concen: 0.548 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion: 91 Resp: 233547
Ion Ratio Lower Upper
91 100
106 22.9 24.8 37.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 1.754 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.02 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampled :

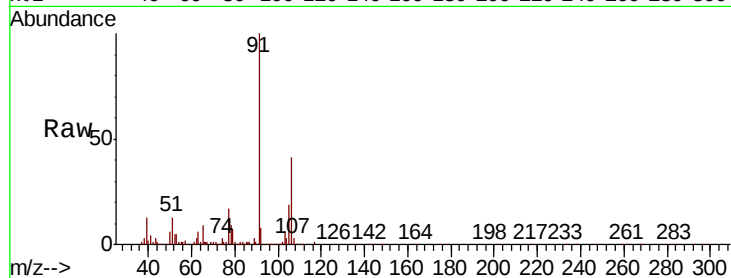
0121-SS2

Tot Ion: 91 Resp: 642142

Ion Ratio Lower Upper

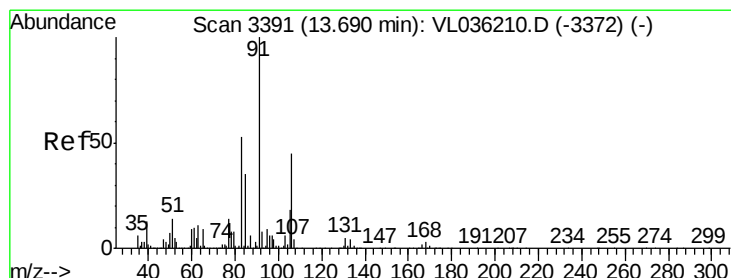
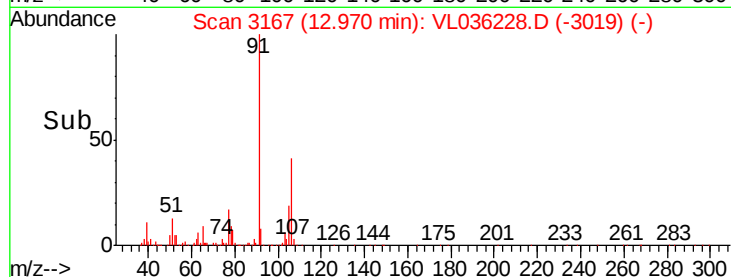
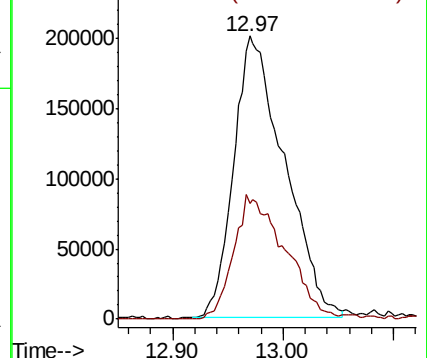
91 100

106 45.1 34.6 51.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.652 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VL036228.D

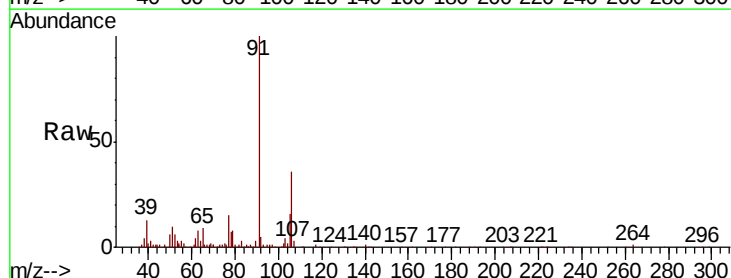
Acq: 13 Jan 2021 16:46

Tgt Ion: 91 Resp: 230114

Ion Ratio Lower Upper

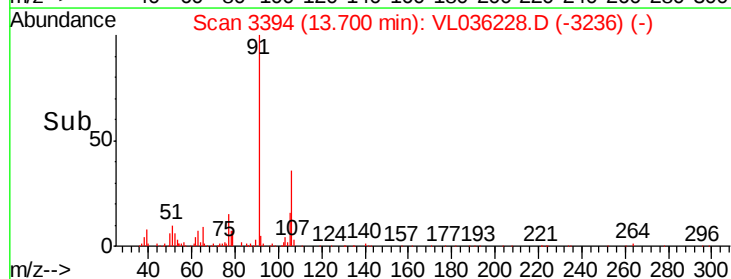
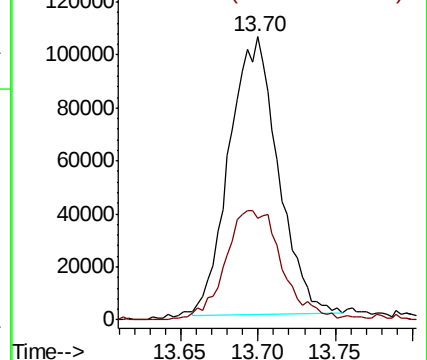
91 100

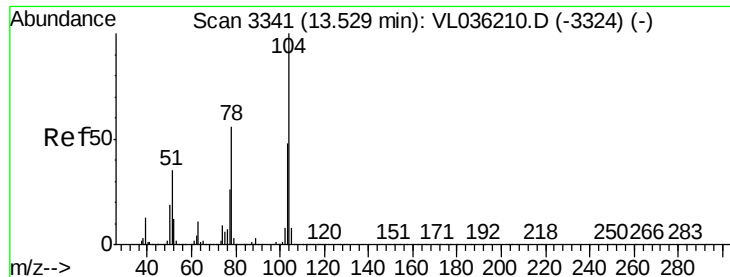
106 45.9 21.9 65.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.171 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

0121-SS2

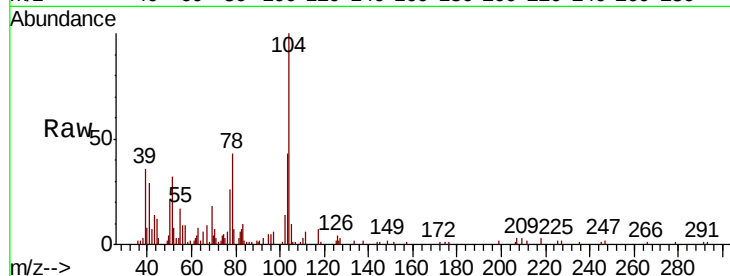
Tot Ion:104 Resp: 38000

Ion Ratio Lower Upper

104 100

78 70.9 46.8 70.2#

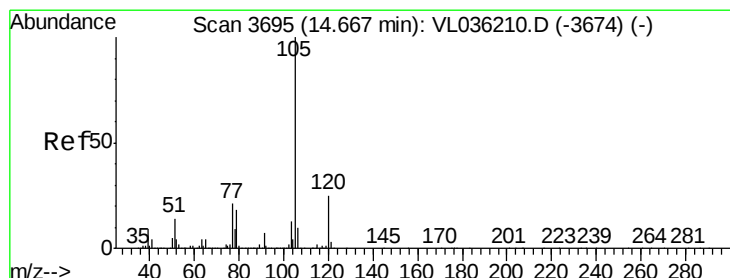
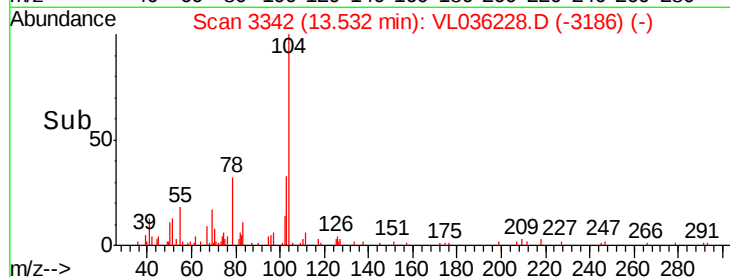
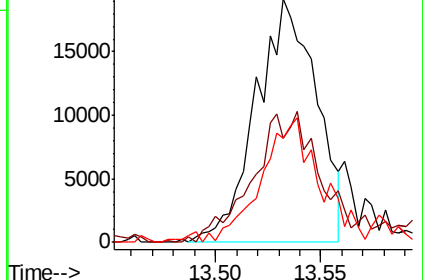
103 55.7 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.041 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL036228.D

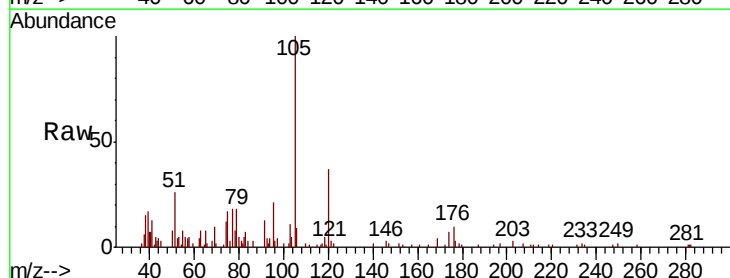
Acq: 13 Jan 2021 16:46

Tgt Ion:105 Resp: 21702

Ion Ratio Lower Upper

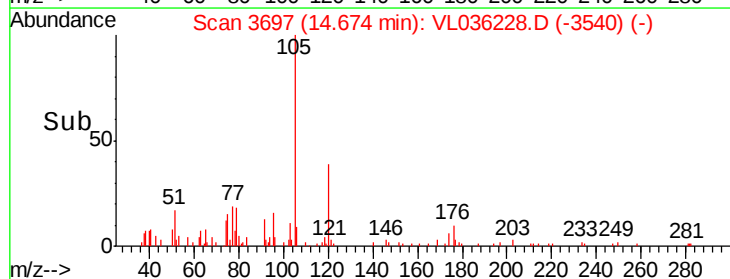
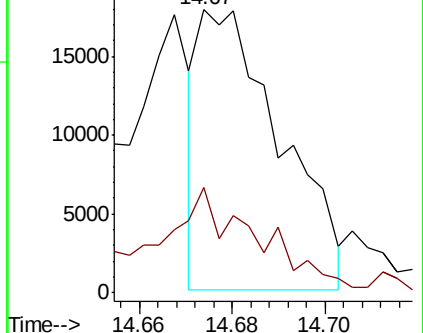
105 100

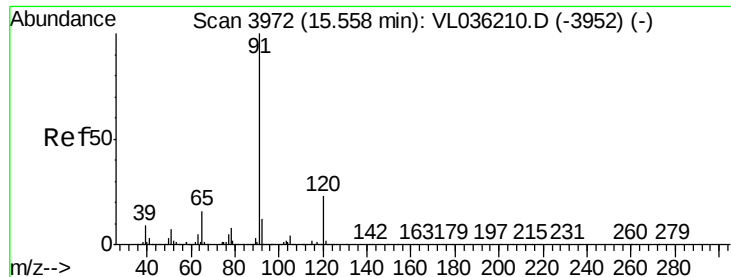
120 56.3 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.089 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampled :

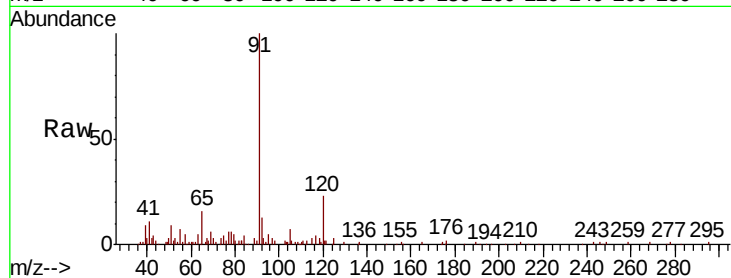
0121-SS2

Tot Ion:120 Resp: 11463

Ion Ratio Lower Upper

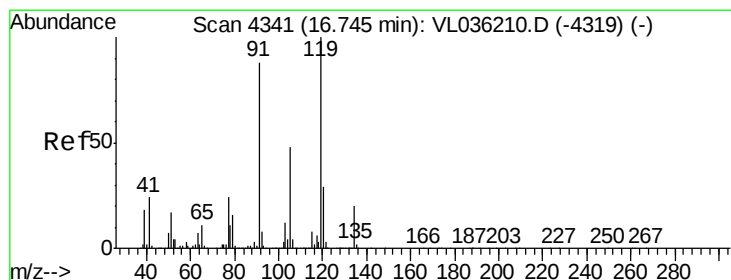
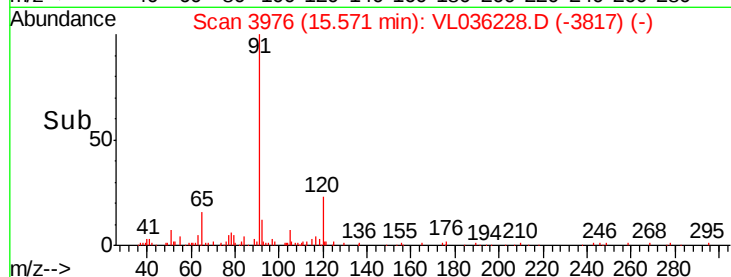
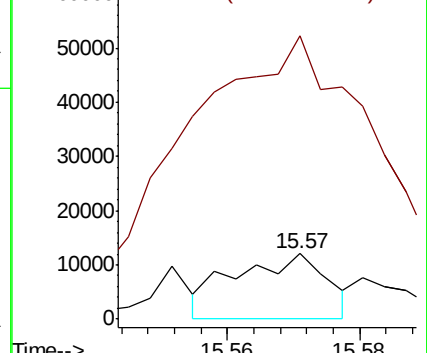
120 100

91 1096.1 391.8 587.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.046 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

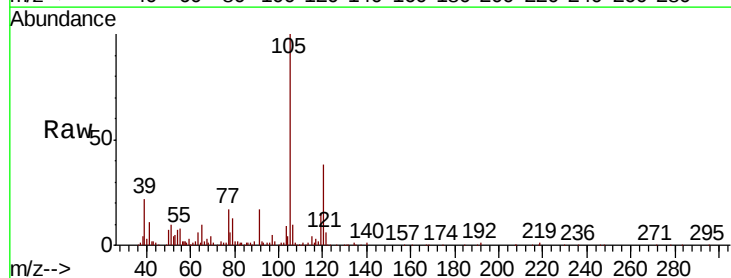
Tgt Ion:119 Resp: 20616

Ion Ratio Lower Upper

119 100

91 0.0 71.0 106.6#

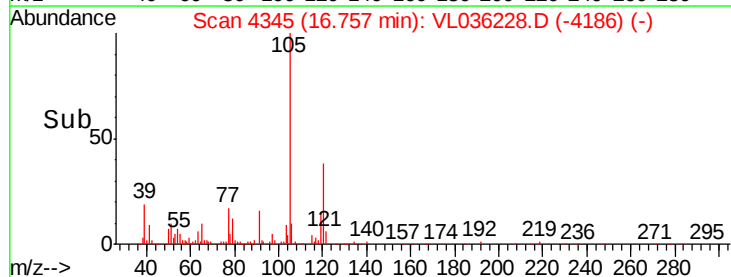
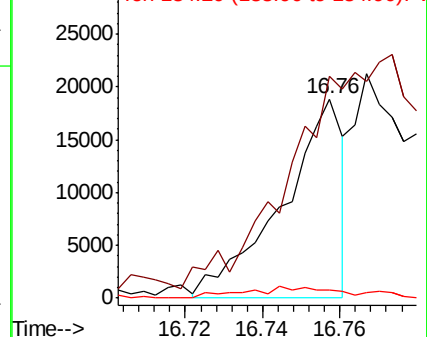
134 9.9 15.8 23.6#

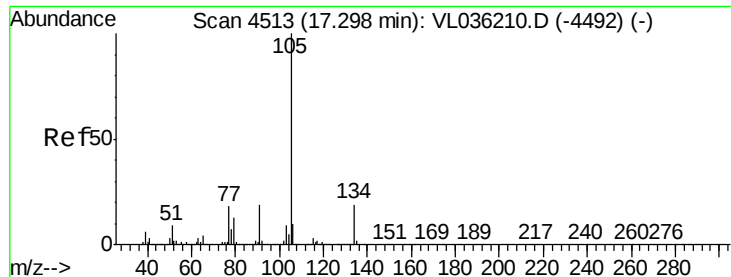


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.081 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

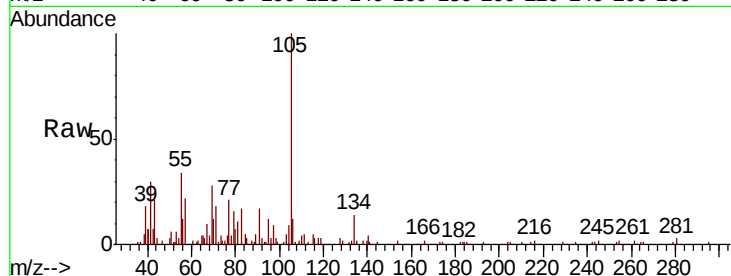
0121-SS2

Tot Ion: 105 Resp: 53643

Ion Ratio Lower Upper

105 100

134 23.2 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.30

25000

20000

15000

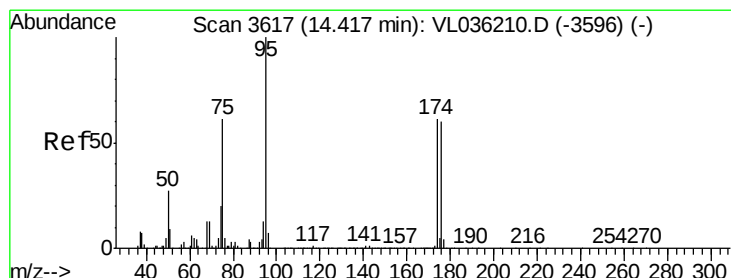
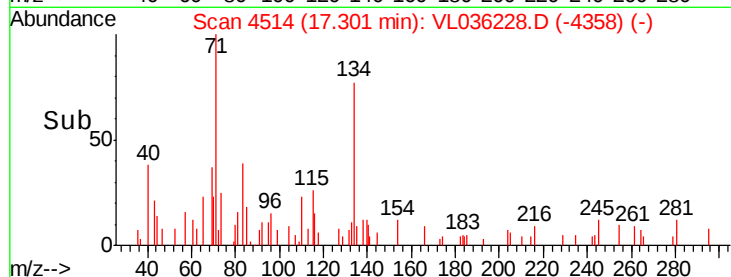
10000

5000

0

Time-->

17.25 17.30 17.35



#68

1-Bromo-4-Fluorobenzene

Concen: 10.243 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

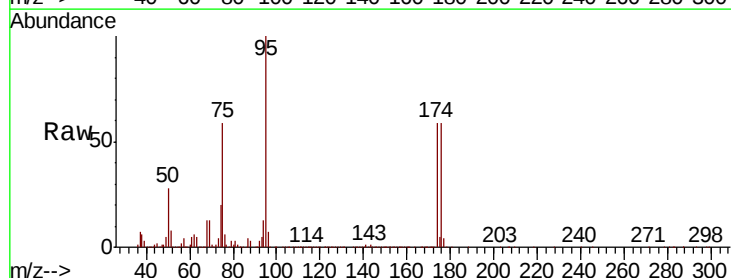
Tgt Ion: 95 Resp: 2433874

Ion Ratio Lower Upper

95 100

174 62.1 49.4 74.0

175 4.7 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.42

1200000

1000000

800000

600000

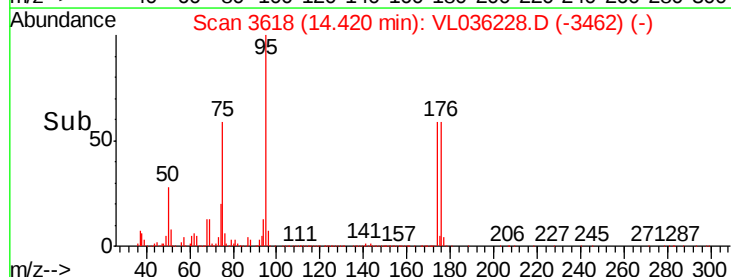
400000

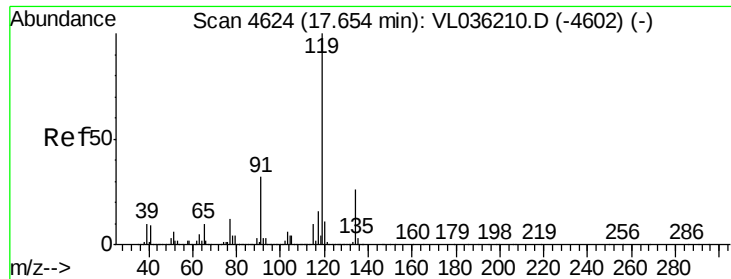
200000

0

Time-->

14.30 14.40 14.50

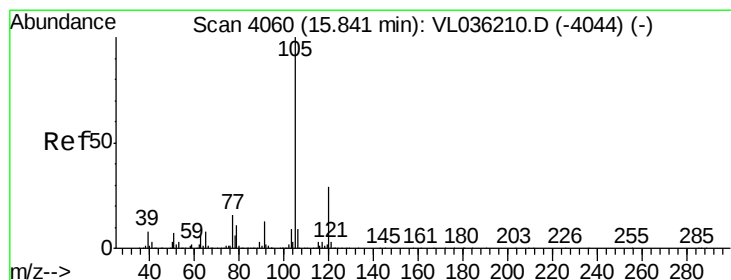
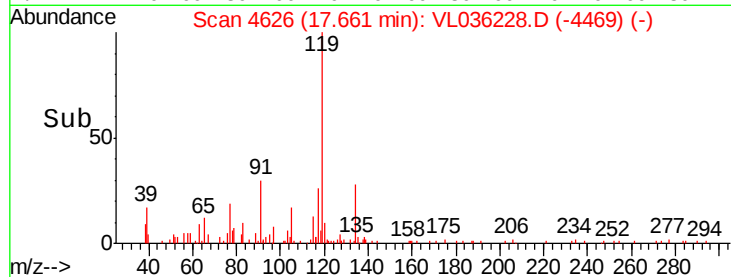
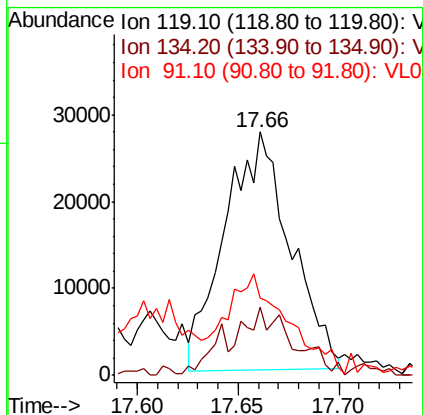
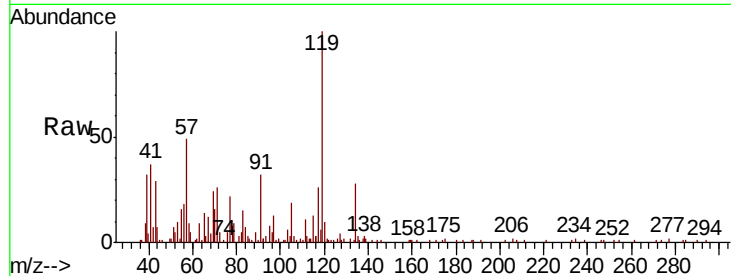




#69
p-Isopropyltoluene
Concen: 0.120 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

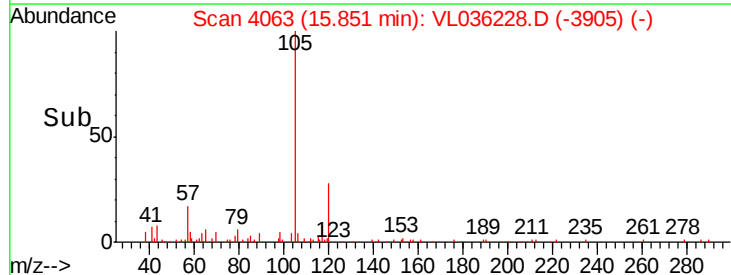
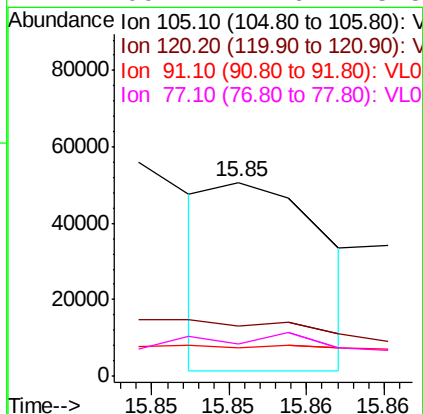
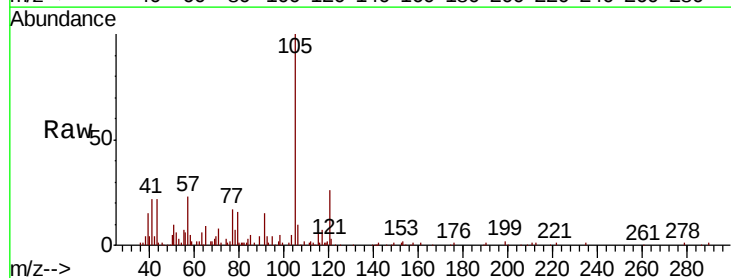
Instrument :
MSVOA_L
ClientSampleId :
0121-SS2

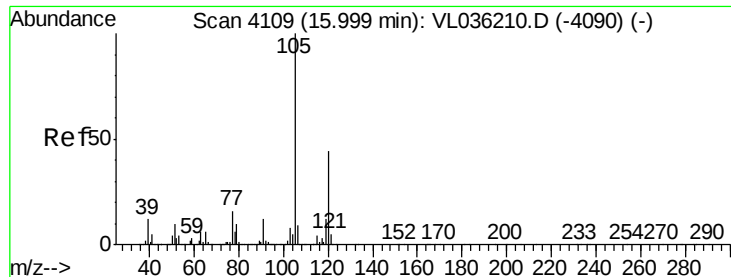
Tot Ion:119 Resp: 61929
Ion Ratio Lower Upper
119 100
134 28.0 20.2 30.4
91 39.1 26.0 39.0#



#72
4-Ethyltoluene
Concen: 0.061 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. 0.01 min
Lab File: VL036228.D
Acq: 13 Jan 2021 16:46

Tgt Ion:105 Resp: 24463
Ion Ratio Lower Upper
105 100
120 0.0 23.7 35.5#
91 78.2 11.9 17.9#
77 109.1 12.6 18.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.105 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.01 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Instrument :

MSVOA_L

ClientSampleId :

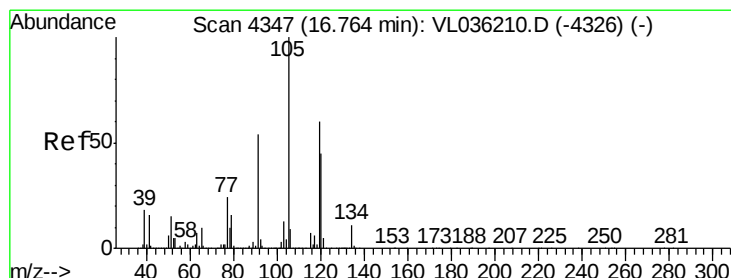
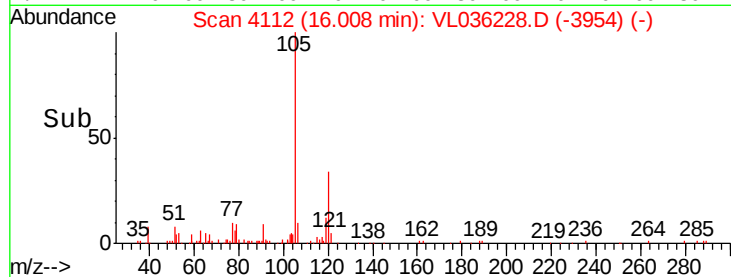
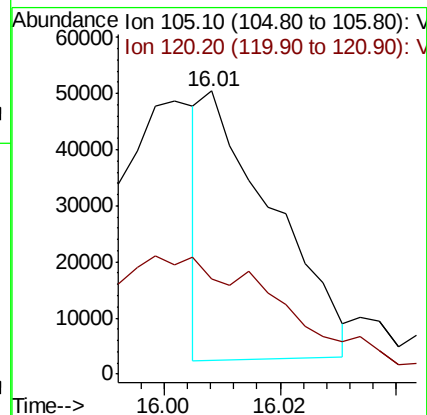
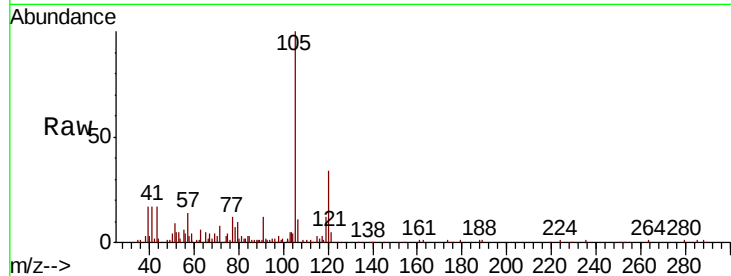
0121-SS2

Tot Ion:105 Resp: 39975

Ion Ratio Lower Upper

105 100

120 27.1 35.5 53.3#



#74

1,2,4-Trimethylbenzene

Concen: 1.035 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.00 min

Lab File: VL036228.D

Acq: 13 Jan 2021 16:46

Tgt Ion:105 Resp: 402805

Ion Ratio Lower Upper

105 100

120 36.8 36.2 54.2

91 11.1 43.3 64.9#

77 15.5 19.1 28.7#

