

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035007.D
 Acq On : 13 May 2020 4:01
 Operator : SY/AP
 Sample : L2566-04 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Quant Time: May 13 06:57:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	943995	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1417257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	2295120	10.00	ppbv	0.21

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	984577	5.30	ppbv	0.10
Spiked Amount	10.000	Range	65 - 135	Recovery	=	53.00%#

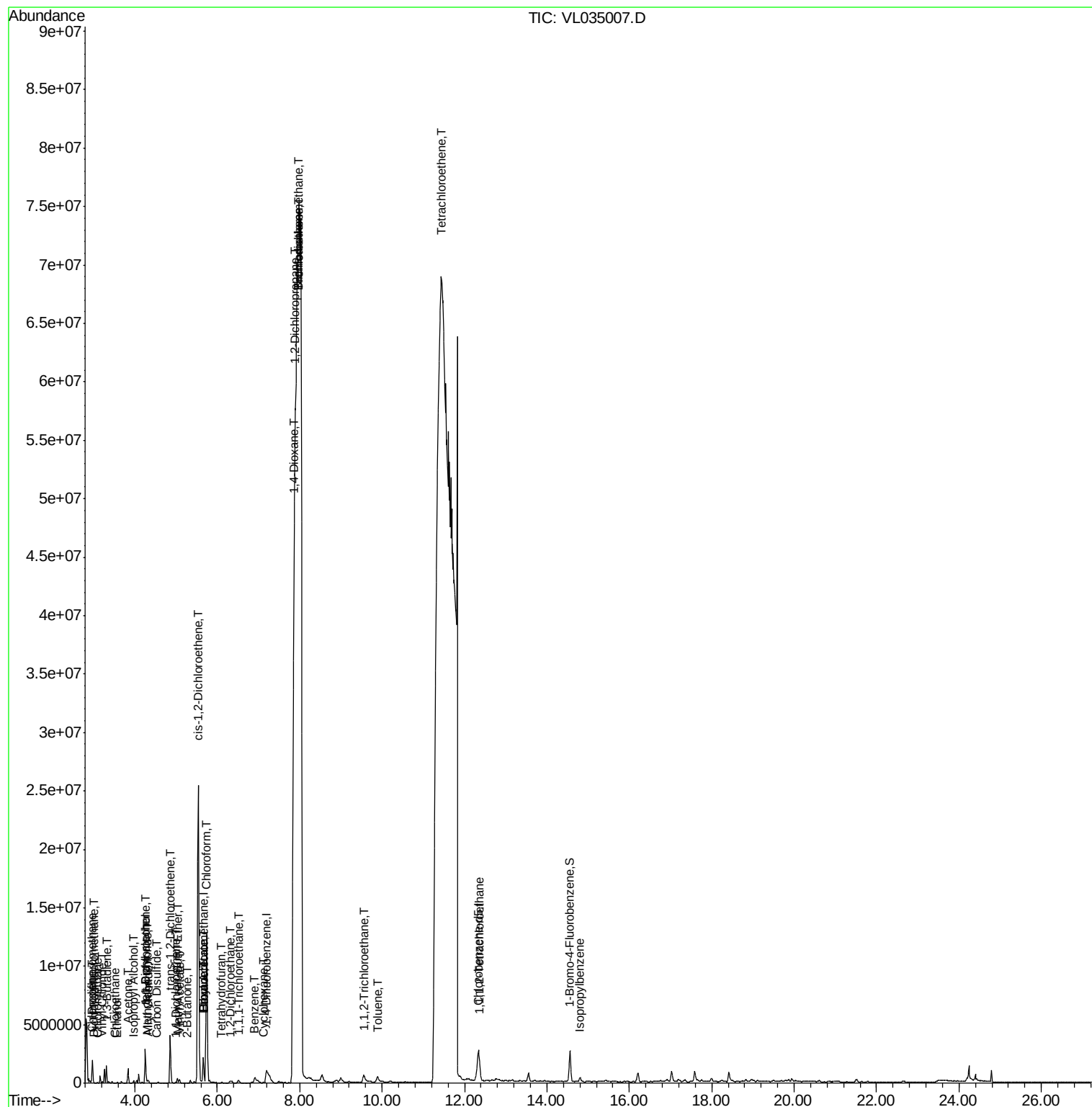
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	4458	0.033	ppbv 91
3) Chlorodifluoromethane	2.94	51	8953	0.083	ppbv # 91
4) Chloromethane	3.10	50	1390	0.023	ppbv 90
5) Vinyl Chloride	3.21	62	81411	1.351	ppbv 96
7) Chloroethane	3.52	64	2420	0.112	ppbv # 81
9) Propene	2.96	41	816276	17.454	ppbv 90
13) Ethanol	3.57	45	63241	4.098	ppbv 99
15) Acetone	3.83	43	613707	4.918	ppbv # 78
16) 1,3-Butadiene	3.31	39	165317	3.078	ppbv # 10
17) tert-Butyl alcohol	4.25	59	66683	0.601	ppbv # 71
18) 1,1-Dichloroethene	4.25	96	796332	18.660	ppbv 98
19) Isopropyl Alcohol	3.95	45	40025	0.481	ppbv # 1
20) Methylene Chloride	4.31	84	56915	1.378	ppbv 85
21) Allyl Chloride	4.33	41	24284	0.344	ppbv # 33
22) trans-1,2-Dichloroethene	4.86	96	1241411	29.367	ppbv 97
23) Vinyl Acetate	5.08	43	180160	1.138	ppbv # 49
24) 1,1-Dichloroethane	4.99	63	27507	0.226	ppbv # 93
25) Ethyl Acetate	5.67	43	91893	0.438	ppbv # 77
26) Hexane	5.67	57	121801	1.340	ppbv # 39
27) Carbon Disulfide	4.52	76	3403	0.032	ppbv # 1
28) Methyl tert-Butyl Ether	5.04	73	53057	0.383	ppbv 98
29) Chloroform	5.74	83	9686589	65.142	ppbv # 83
30) Cyclohexane	7.13	84	20862	0.297	ppbv # 60
31) cis-1,2-Dichloroethene	5.54	61	14487432	163.379	ppbv # 58
32) 1,1,1-Trichloroethane	6.51	97	154655	1.152	ppbv 88
34) 2-Butanone	5.26	43	4073	0.046	ppbv # 53
36) Benzene	6.90	78	323302	2.767	ppbv 93
37) 1,2-Dichloroethane	6.31	62	1462	0.020	ppbv # 1
38) Trichloroethene	7.95	130	14073182	310.890	ppbv # 85
39) 1,2-Dichloropropane	7.88	63	192196	4.103	ppbv # 1
40) 1,4-Dioxane	7.86	88	813	0.043	ppbv # 1
41) Tetrahydrofuran	6.09	42	1184	0.026	ppbv # 37
42) Bromodichloromethane	7.95	83	2577668	26.517	ppbv # 95
47) 1,1,2-Trichloroethane	9.55	97	123456	2.498	ppbv 91
52) Tetrachloroethene	11.42	164	45475304	1094.507	ppbv 91
53) Toluene	9.88	91	213135	1.721	ppbv # 20
56) 1,1,1,2-Tetrachloroethane	12.37	131	732633	7.078	ppbv # 57
62) Isopropylbenzene	14.80	105	382902	1.041	ppbv 98

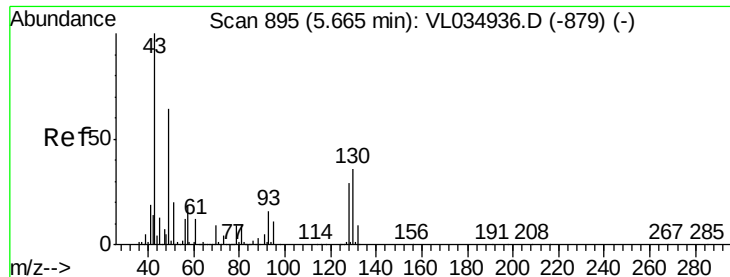
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
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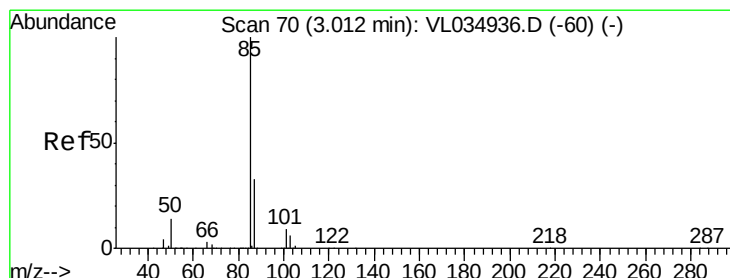
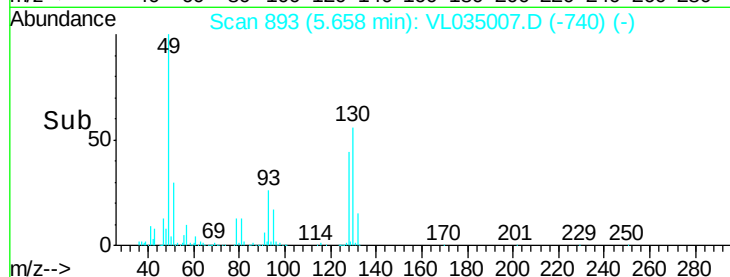
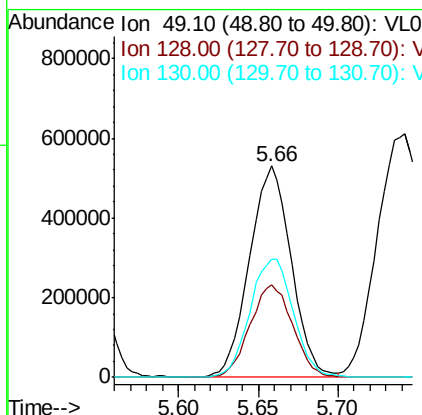
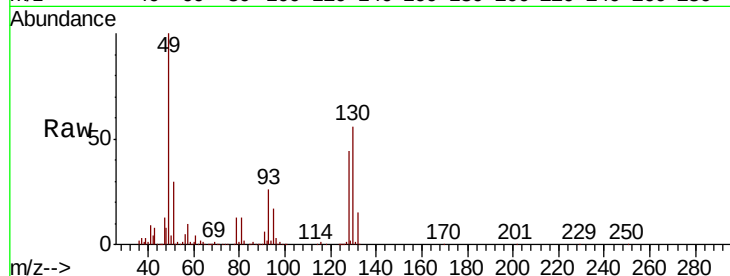




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: VL035007.D
 Acq: 13 May 2020 4:01

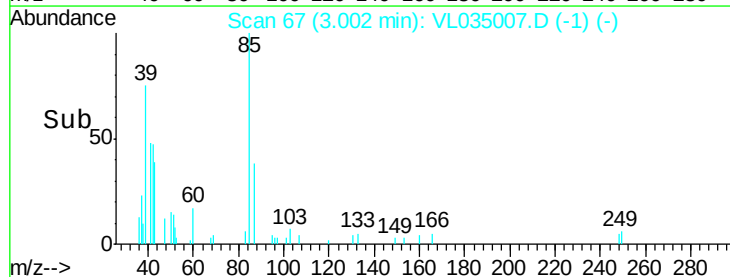
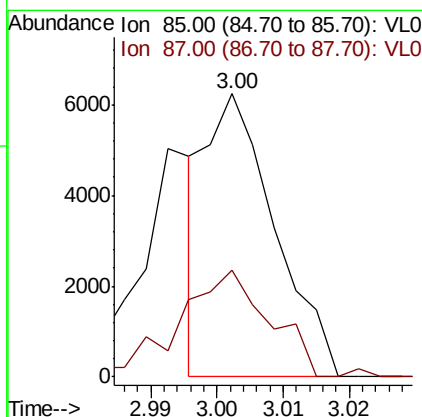
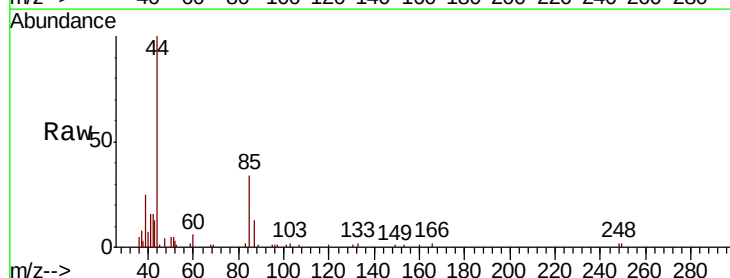
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

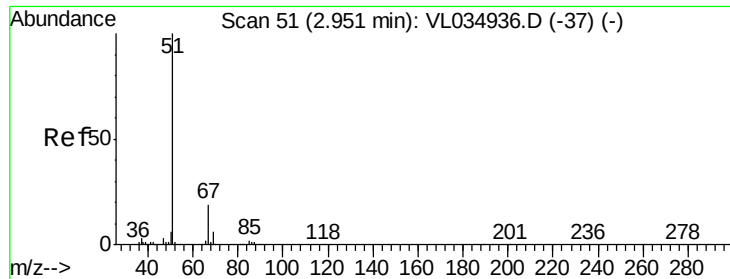
Tot Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.1	66.5
130	58.7	29.1	87.3



#2
 Dichlorodifluoromethane
 Concen: 0.033 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. -0.01 min
 Lab File: VL035007.D
 Acq: 13 May 2020 4:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	37.7	26.2	39.2





#3

Chlorodifluoromethane

Concen: 0.083 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

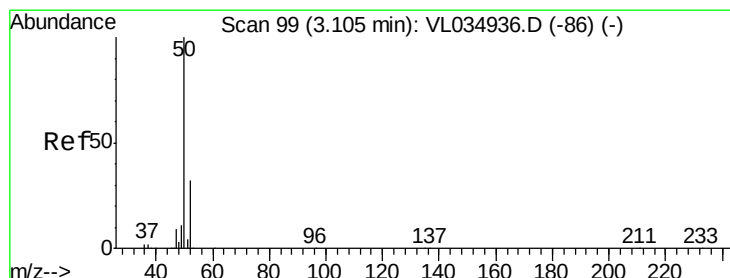
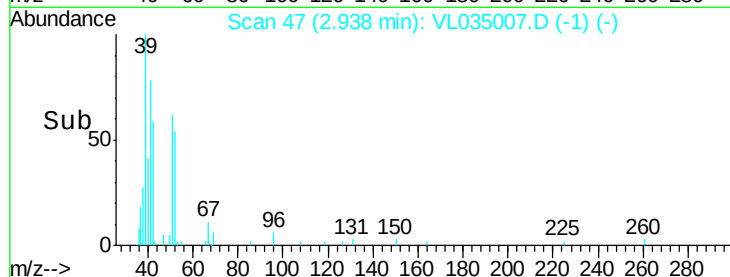
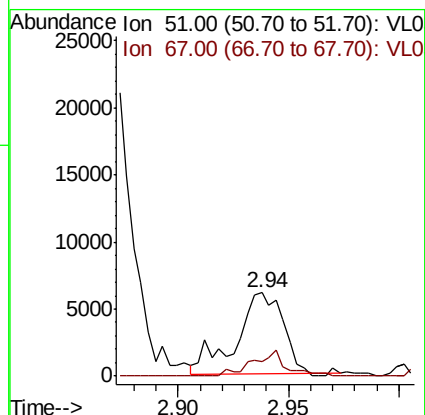
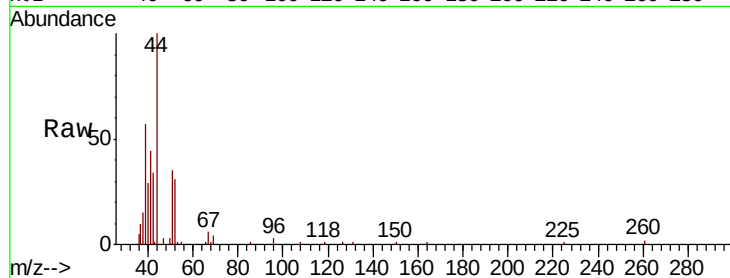
SG-2

Tot Ion: 51 Resp: 8953

Ion Ratio Lower Upper

51 100

67 22.7 15.0 22.6#



#4

Chloromethane

Concen: 0.023 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL035007.D

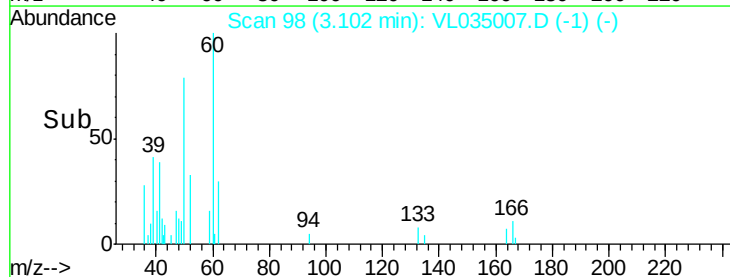
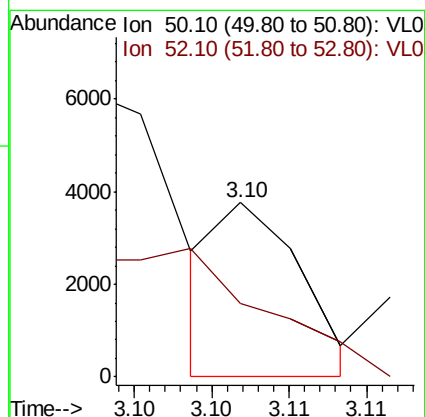
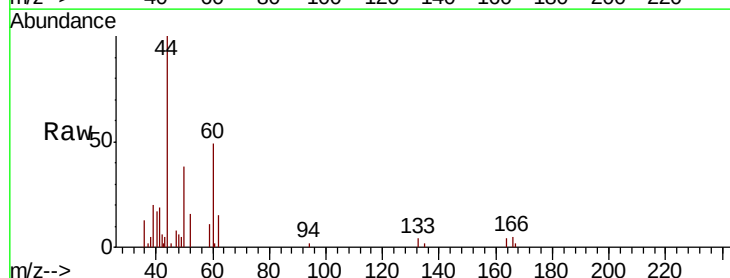
Acq: 13 May 2020 4:01

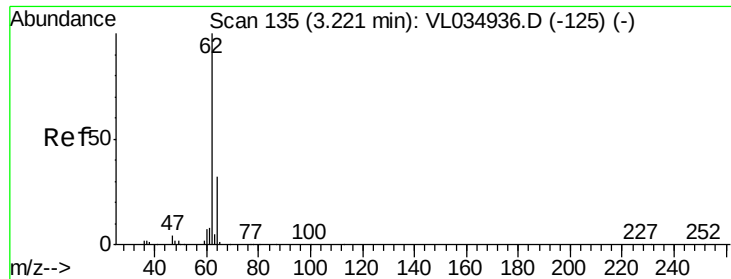
Tgt Ion: 50 Resp: 1390

Ion Ratio Lower Upper

50 100

52 26.1 25.4 38.2





#5

Vinyl Chloride

Concen: 1.351 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

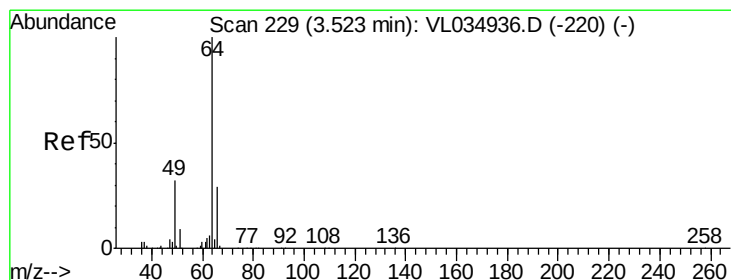
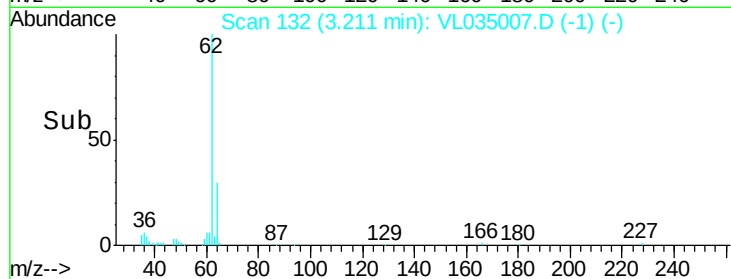
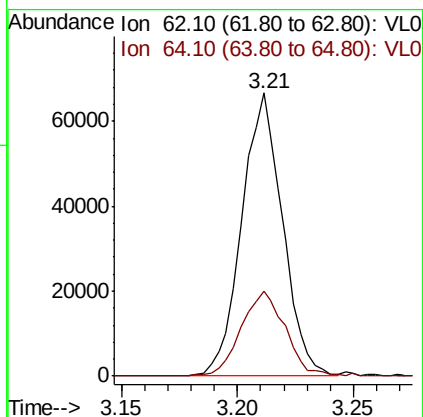
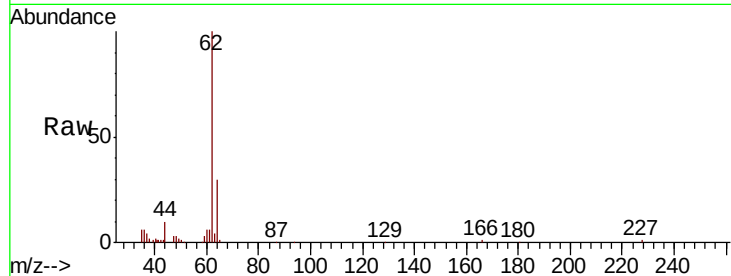
SG-2

Tot Ion: 62 Resp: 81411

Ion Ratio Lower Upper

62 100

64 29.9 25.7 38.5



#7

Chloroethane

Concen: 0.112 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL035007.D

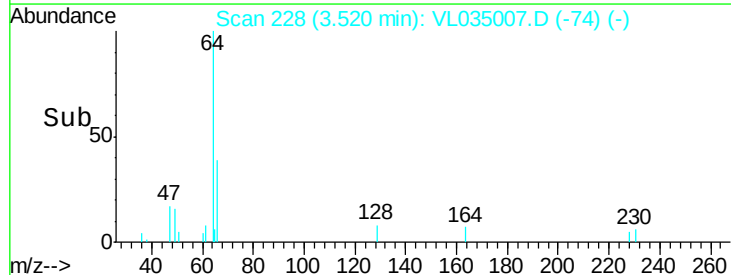
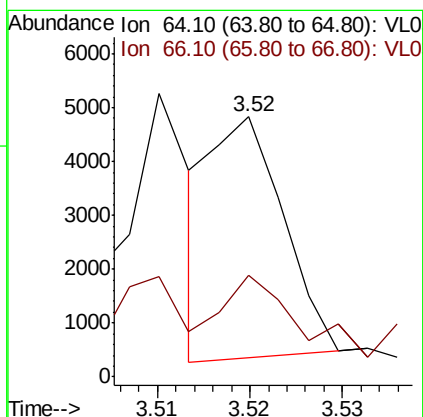
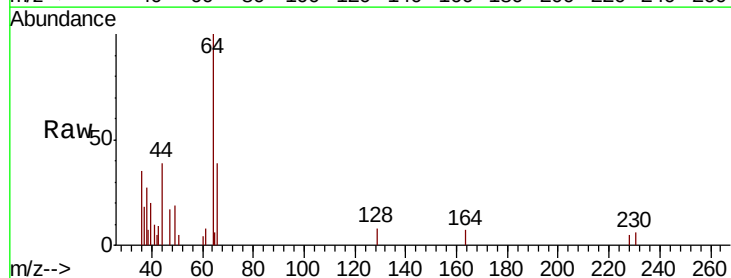
Acq: 13 May 2020 4:01

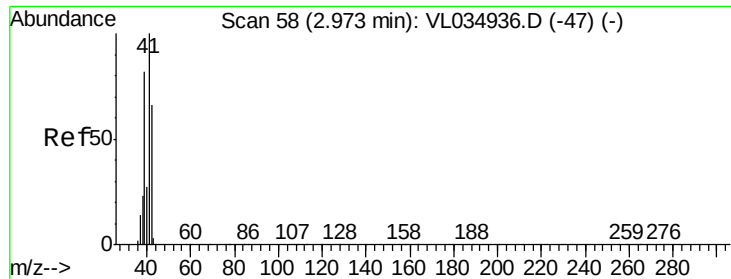
Tgt Ion: 64 Resp: 2420

Ion Ratio Lower Upper

64 100

66 39.1 23.2 34.8#





#9

Propene

Concen: 17.454 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

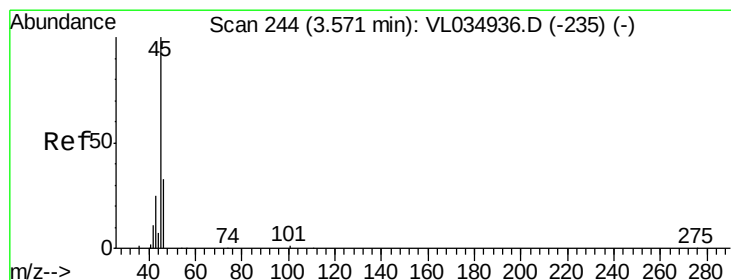
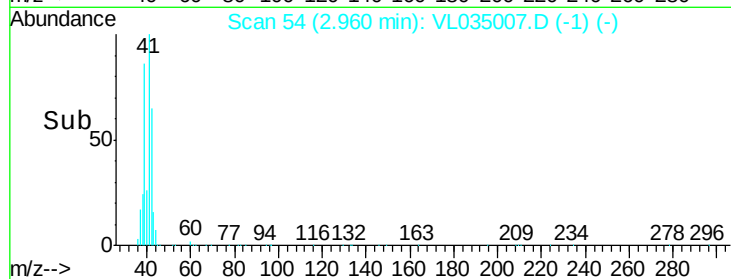
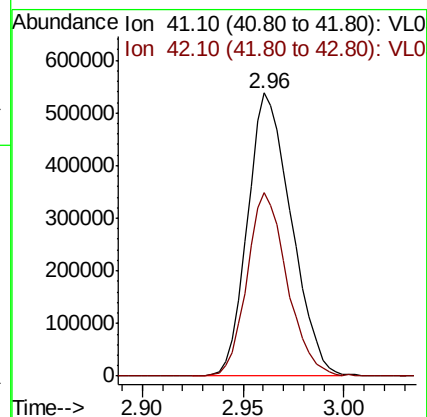
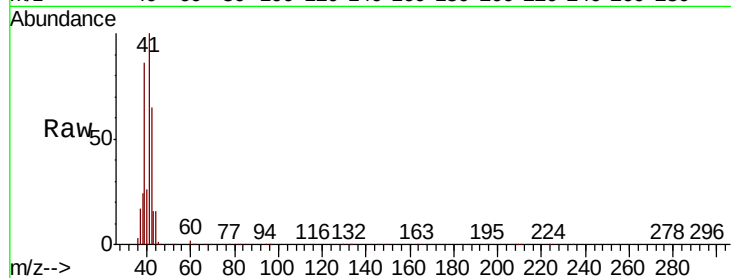
SG-2

Tot Ion: 41 Resp: 816276

Ion Ratio Lower Upper

41 100

42 59.8 54.5 81.7



#13

Ethanol

Concen: 4.098 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL035007.D

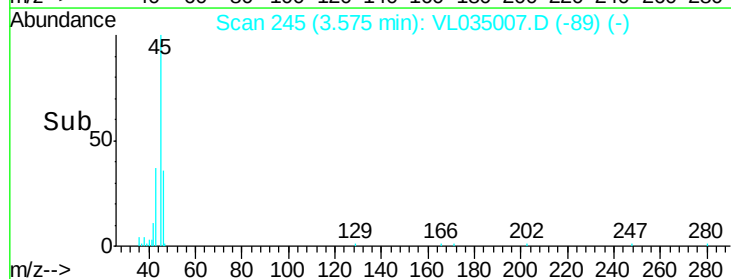
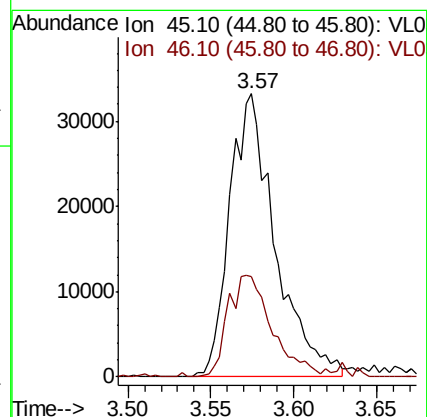
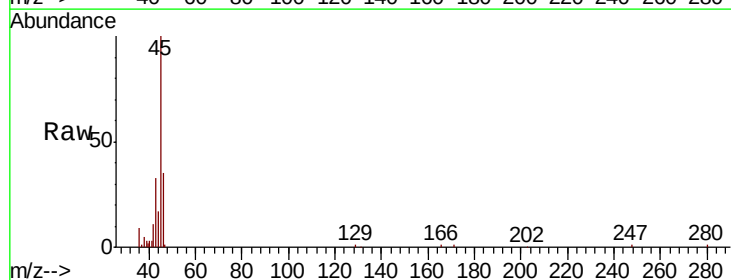
Acq: 13 May 2020 4:01

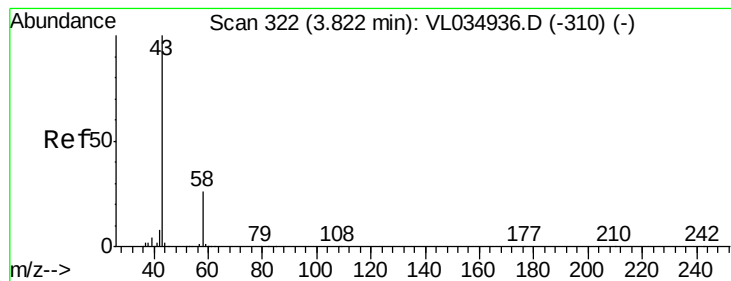
Tgt Ion: 45 Resp: 63241

Ion Ratio Lower Upper

45 100

46 36.5 14.3 57.3





#15

Acetone

Concen: 4.918 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

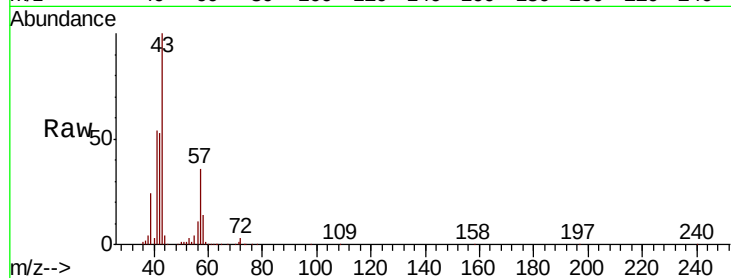
SG-2

Tot Ion: 43 Resp: 613707

Ion Ratio Lower Upper

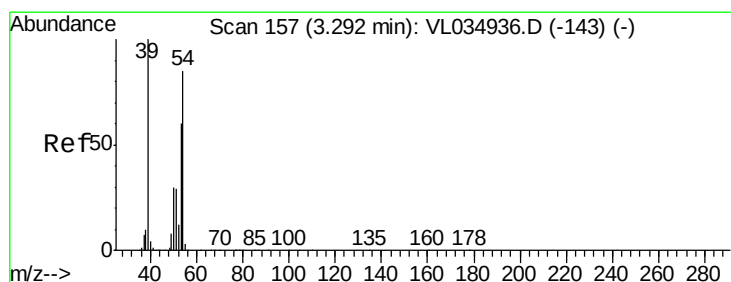
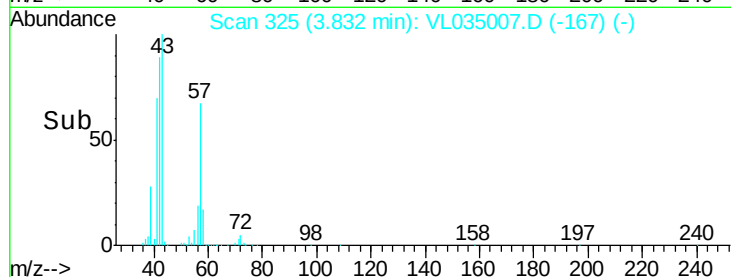
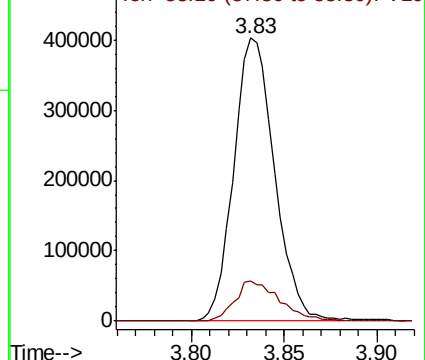
43 100

58 15.7 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 3.078 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL035007.D

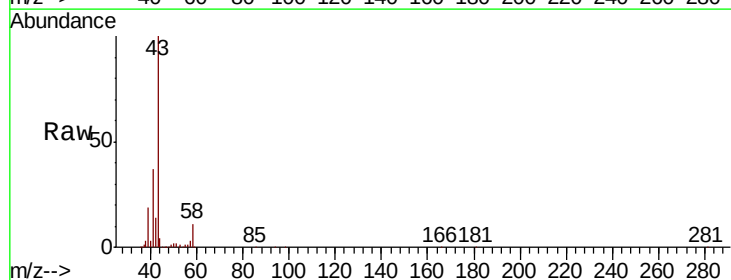
Acq: 13 May 2020 4:01

Tgt Ion: 39 Resp: 165317

Ion Ratio Lower Upper

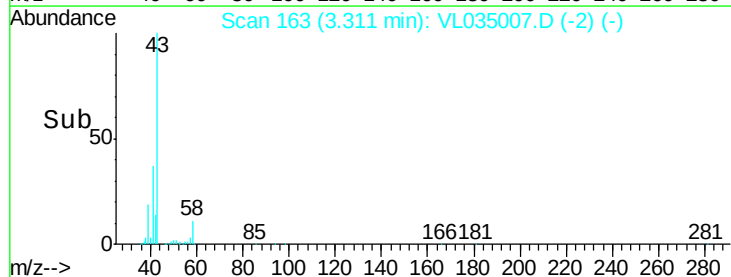
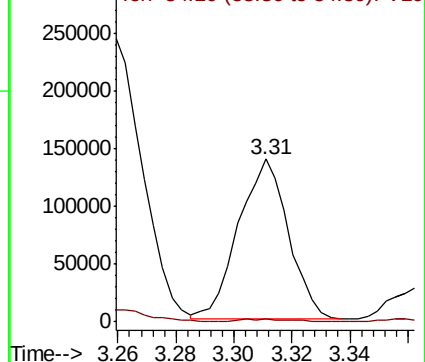
39 100

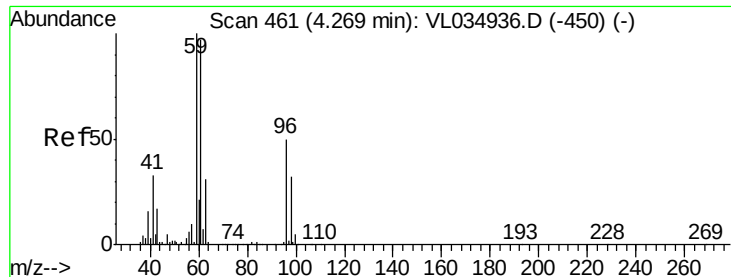
54 1.7 66.6 100.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.601 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.02 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampled :

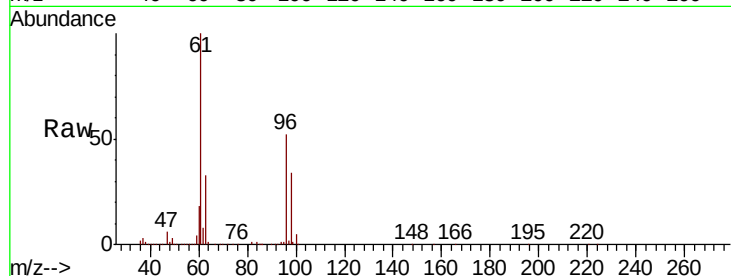
SG-2

Tot Ion: 59 Resp: 66683

Ion Ratio Lower Upper

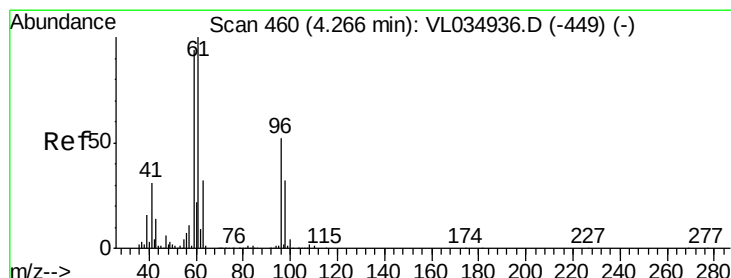
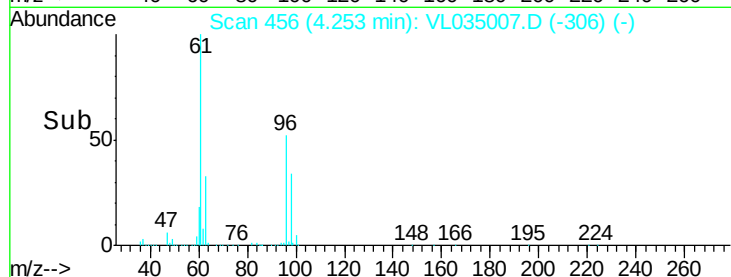
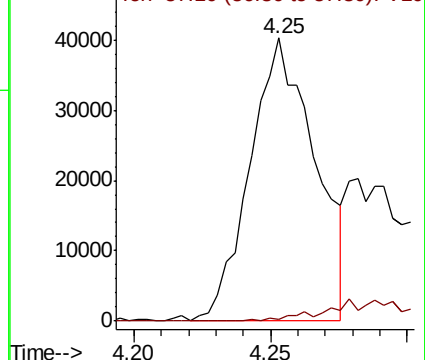
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 18.660 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

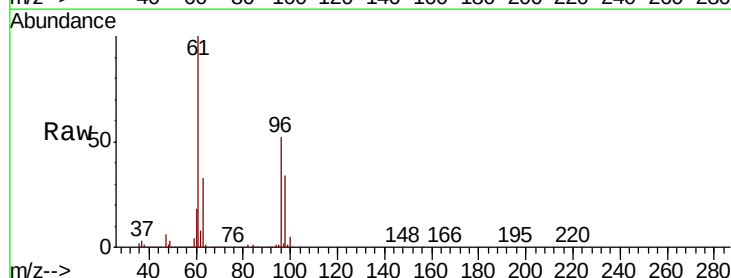
Tgt Ion: 96 Resp: 796332

Ion Ratio Lower Upper

96 100

61 191.4 152.4 228.6

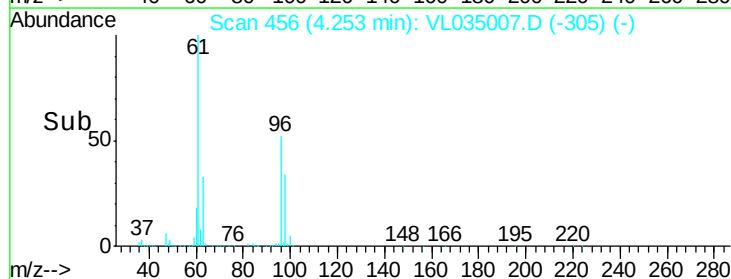
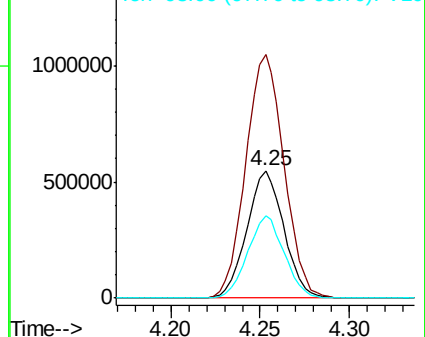
98 65.0 48.8 73.2

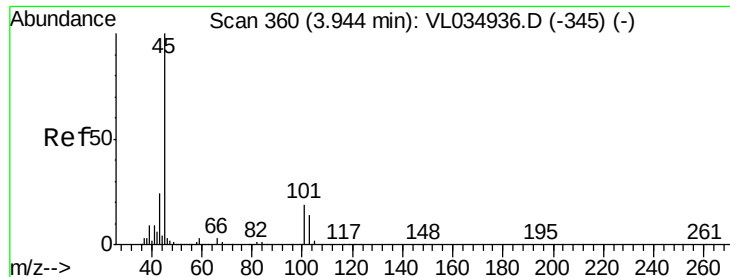


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



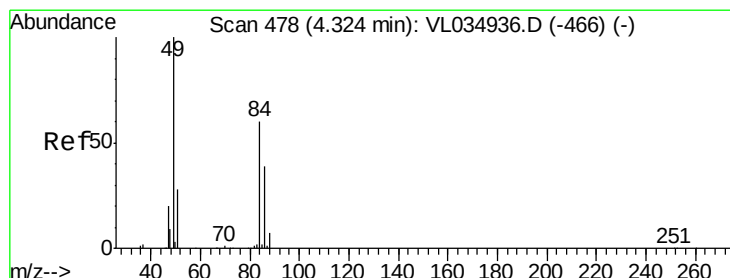
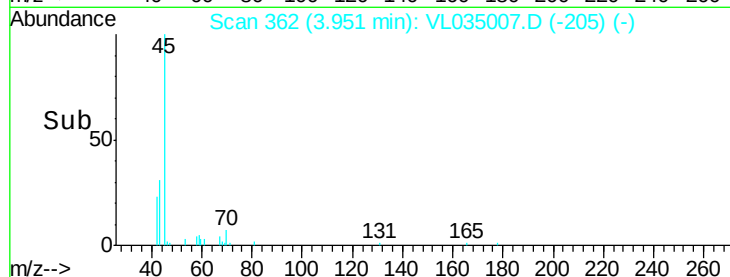
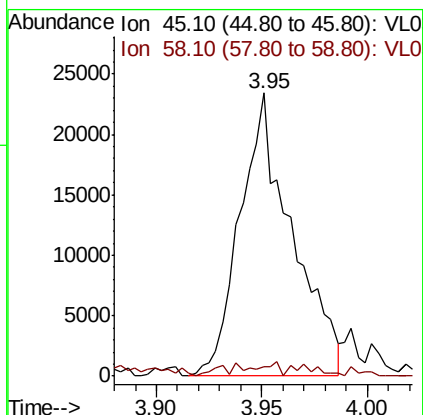
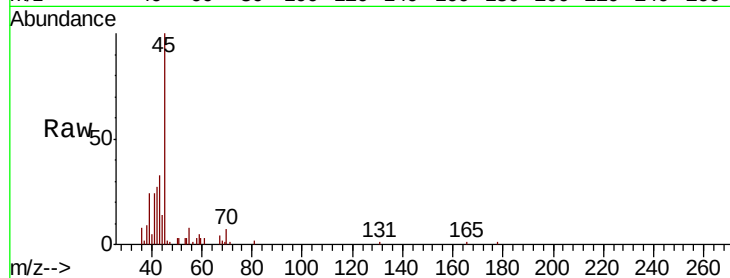


#19

Isopropyl Alcohol
 Concen: 0.481 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL035007.D
 Acq: 13 May 2020 4:01

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2

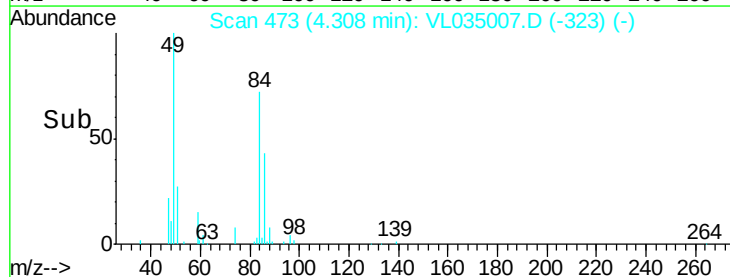
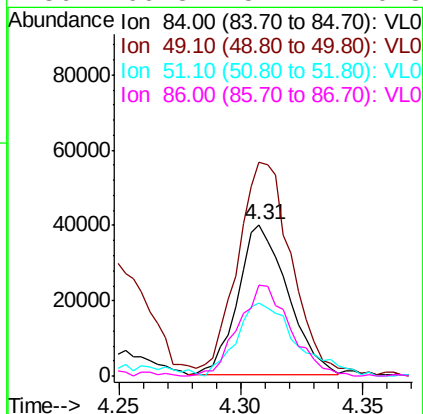
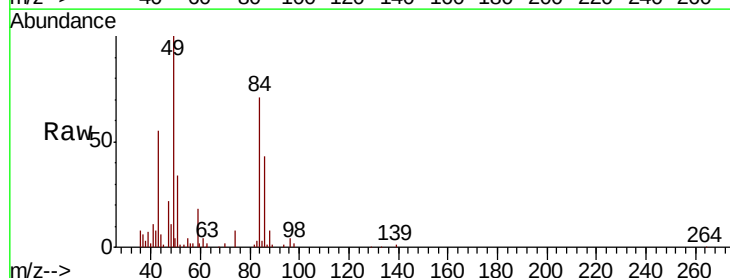
Tot Ion: 45 Resp: 40025
 Ion Ratio Lower Upper
 45 100
 58 239.3 1.7 2.5#

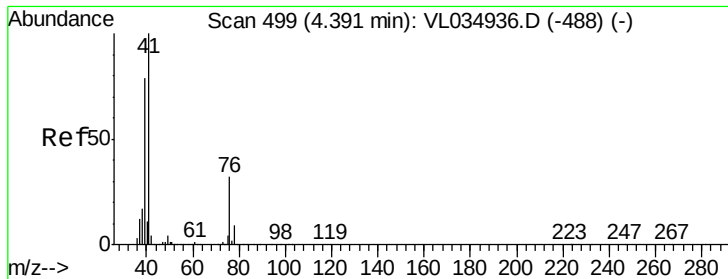


#20

Methylene Chloride
 Concen: 1.378 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. -0.02 min
 Lab File: VL035007.D
 Acq: 13 May 2020 4:01

Tgt Ion: 84 Resp: 56915
 Ion Ratio Lower Upper
 84 100
 49 136.9 132.5 198.7
 51 44.0 38.4 57.6
 86 60.3 51.2 76.8





#21

Allvl Chloride

Concen: 0.344 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.06 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampled :

SG-2

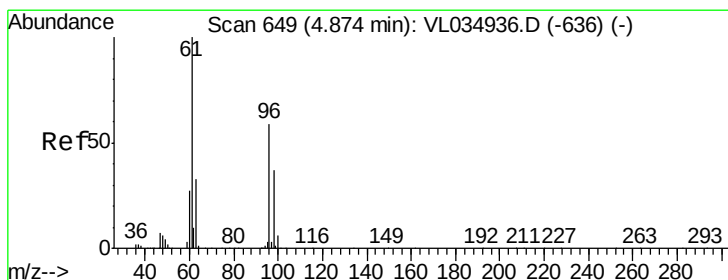
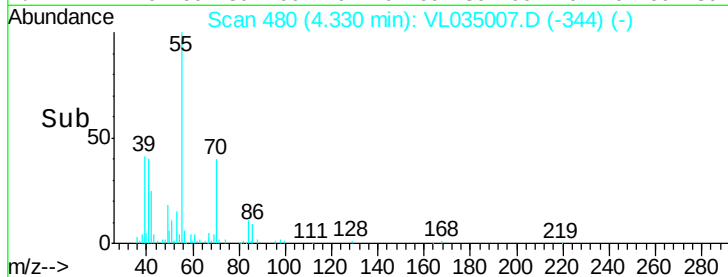
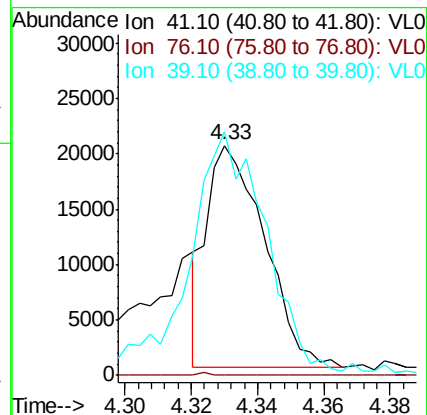
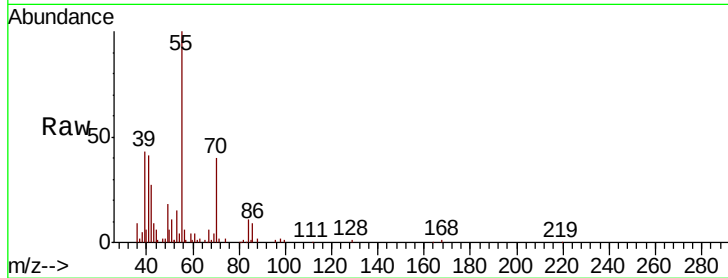
Tot Ion: 41 Resp: 24284

Ion Ratio Lower Upper

41 100

76 0.0 23.6 35.4#

39 139.0 61.9 92.9#



#22

trans-1,2-Dichloroethene

Concen: 29.367 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.02 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

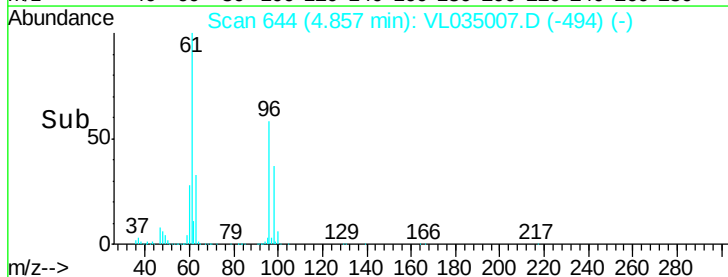
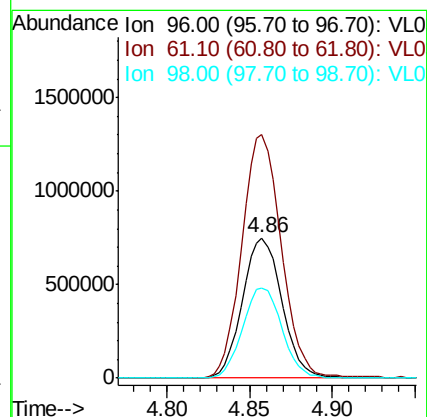
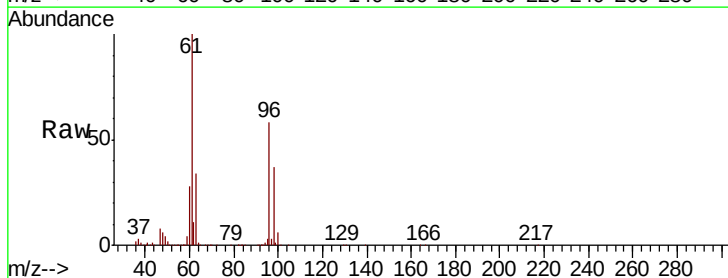
Tgt Ion: 96 Resp: 1241411

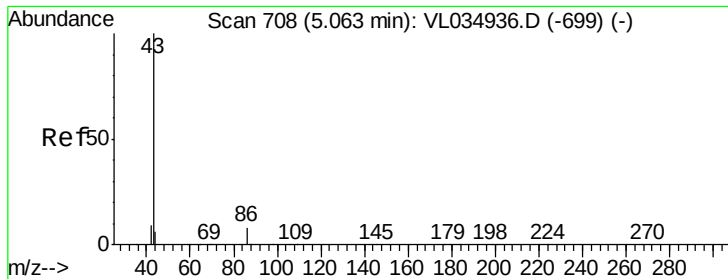
Ion Ratio Lower Upper

96 100

61 173.7 135.3 202.9

98 63.9 50.4 75.6





#23

Vinyl Acetate

Concen: 1.138 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tot Ion: 43 Resp: 180160

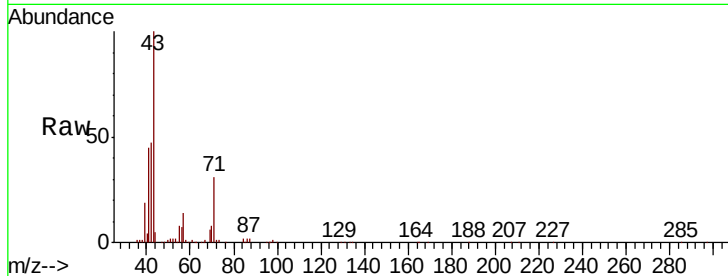
Ion Ratio Lower Upper

43 100

86 1.8 5.5 8.3#

42 47.3 8.0 12.0#

44 3.6 4.5 6.7#

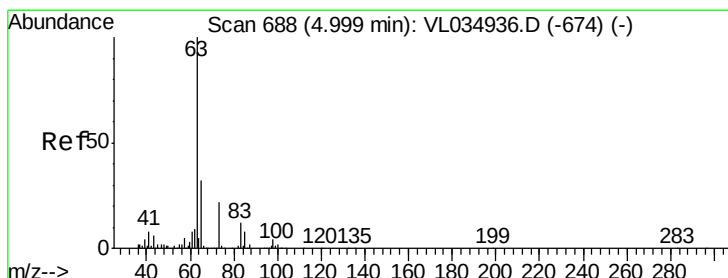
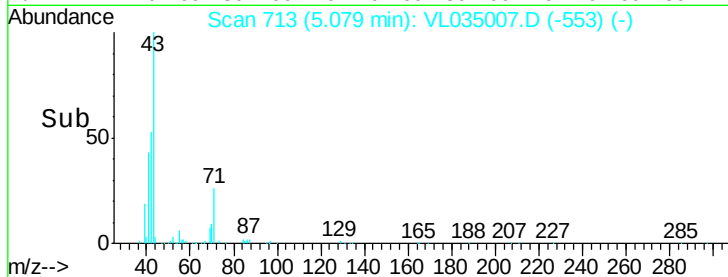
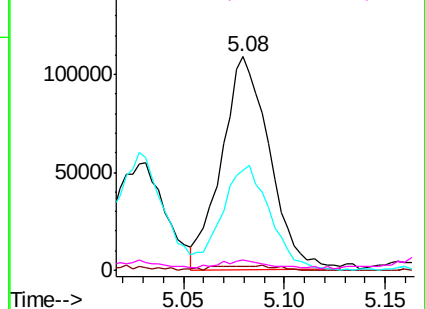


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.226 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

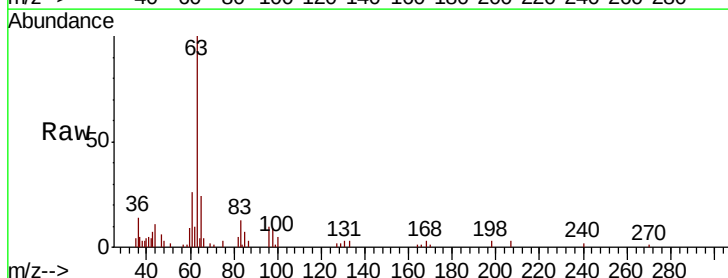
Tgt Ion: 63 Resp: 27507

Ion Ratio Lower Upper

63 100

98 6.2 2.0 6.0#

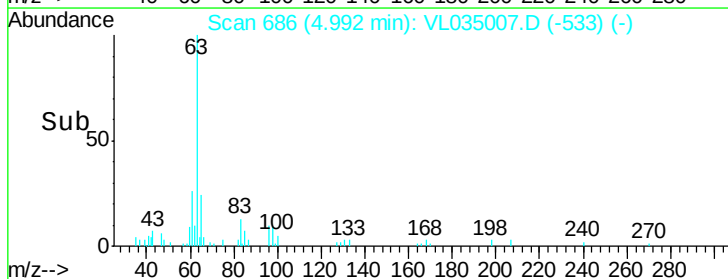
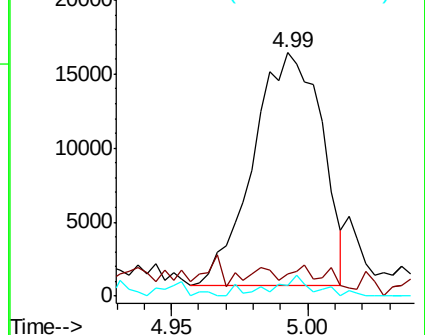
100 4.7 1.1 3.5#

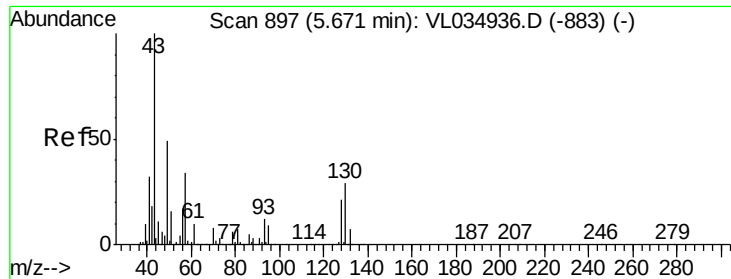


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

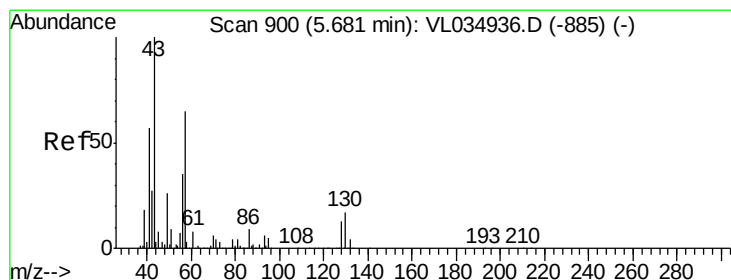
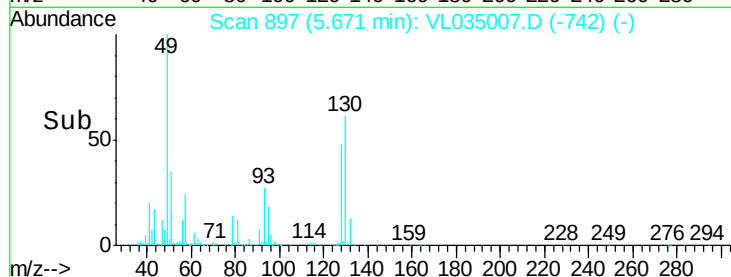
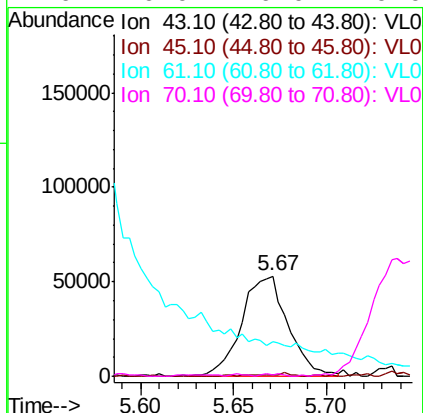
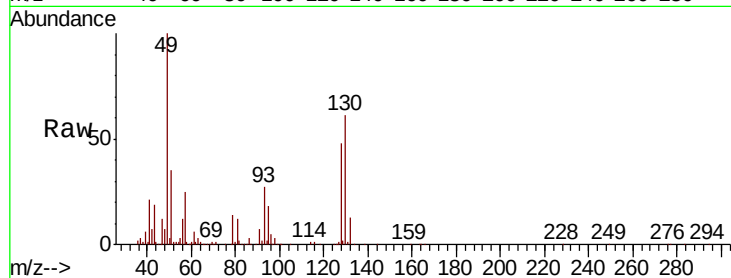




#25
Ethyl Acetate
Concen: 0.438 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

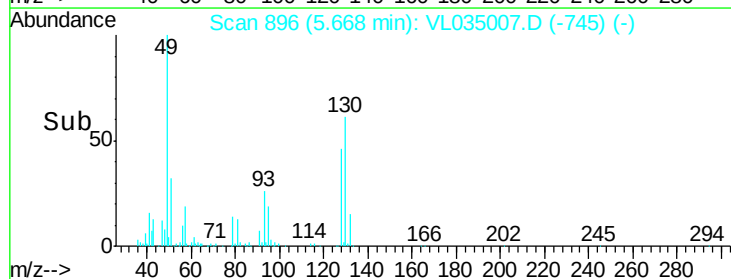
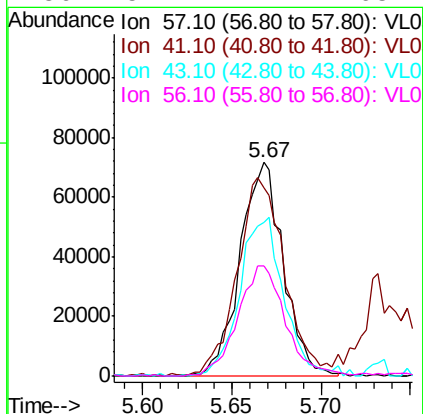
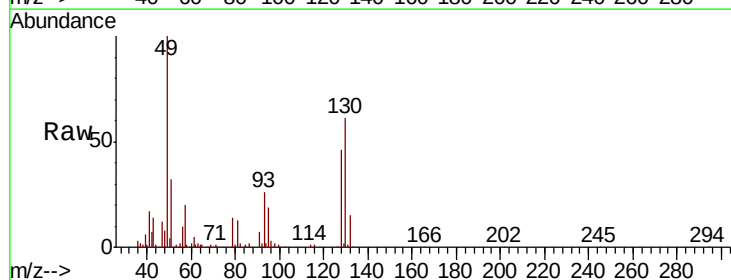
Instrument :
MSVOA_L
ClientSampled :
SG-2

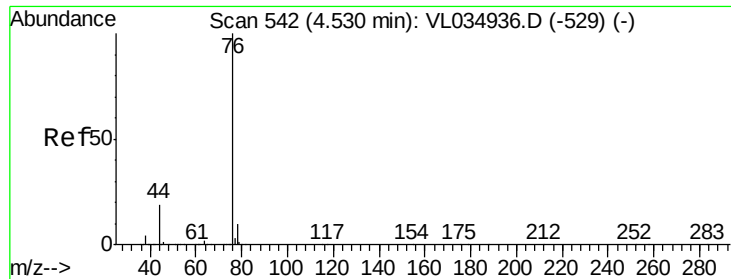
Tot Ion:	43	Resp:	91893
Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.1	12.1#
61	0.0	7.8	11.8#
70	0.0	6.0	9.0#



#26
Hexane
Concen: 1.340 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

Tgt Ion:	57	Resp:	121801
Ion	Ratio	Lower	Upper
57	100		
41	102.7	72.7	109.1
43	74.9	182.1	273.1#
56	57.1	42.2	63.2

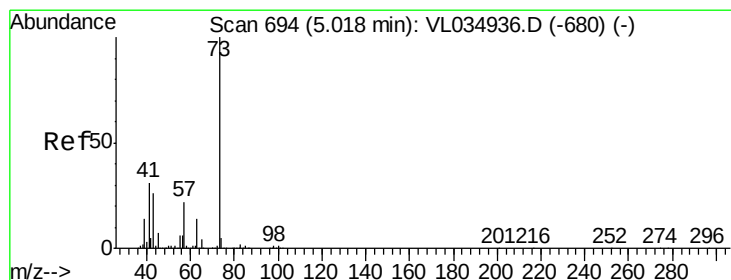
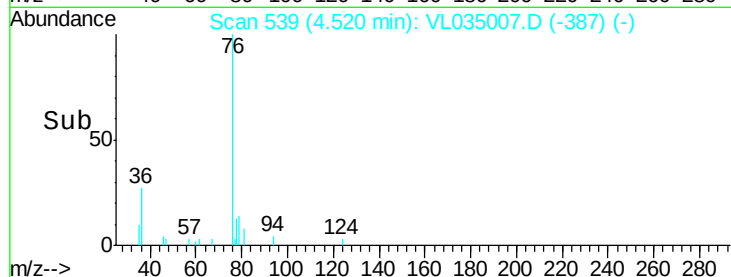
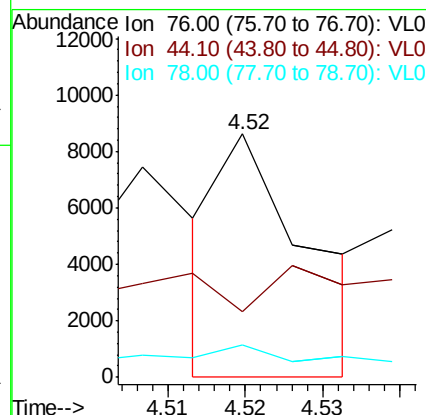
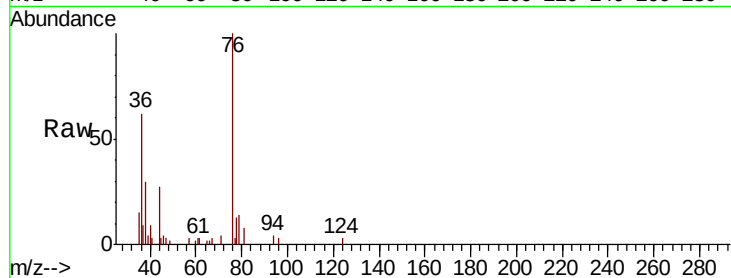




#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

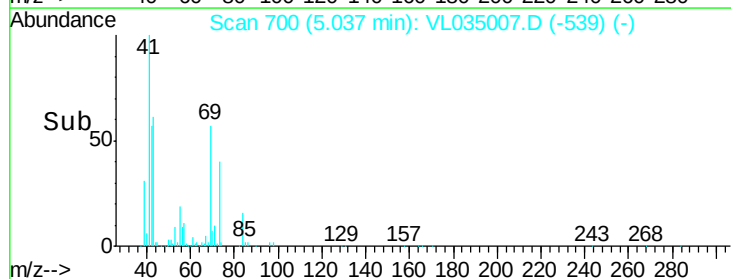
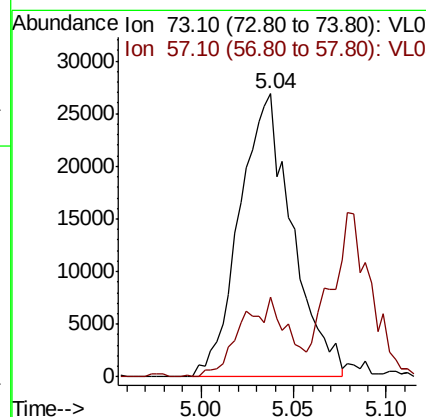
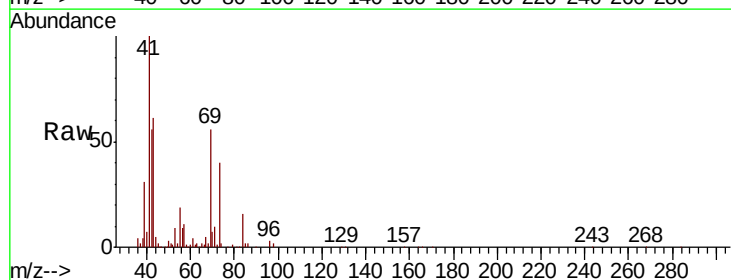
Instrument :
MSVOA_L
ClientSampleID :
SG-2

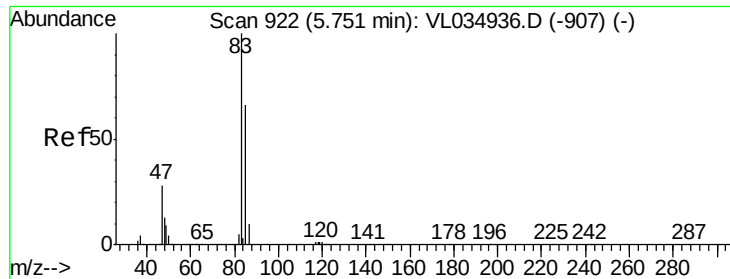
Tot Ion: 76 Resp: 3403
Ion Ratio Lower Upper
76 100
44 172.4 15.2 22.8#
78 37.3 7.7 11.5#



#28
Methyl tert-Butyl Ether
Concen: 0.383 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

Tgt Ion: 73 Resp: 53057
Ion Ratio Lower Upper
73 100
57 24.1 18.3 27.5

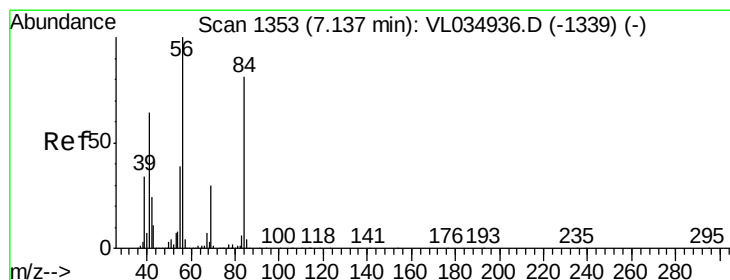
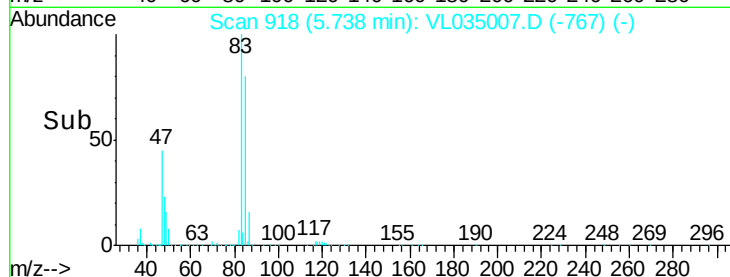
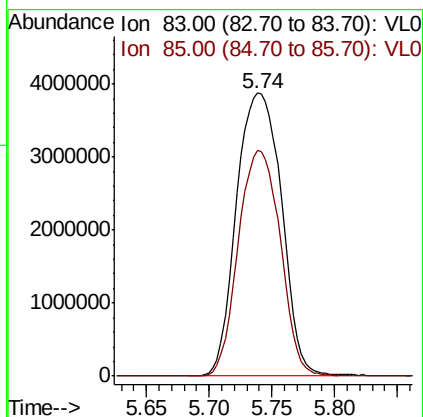
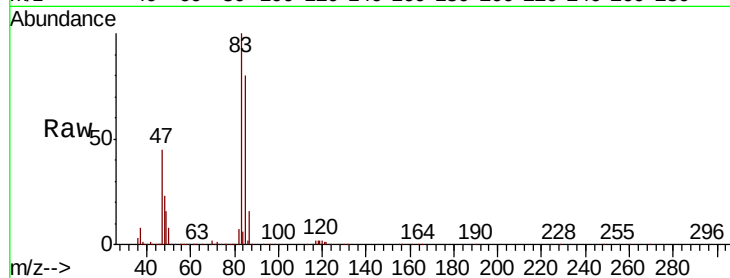




#29
Chloroform
Concen: 65.142 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

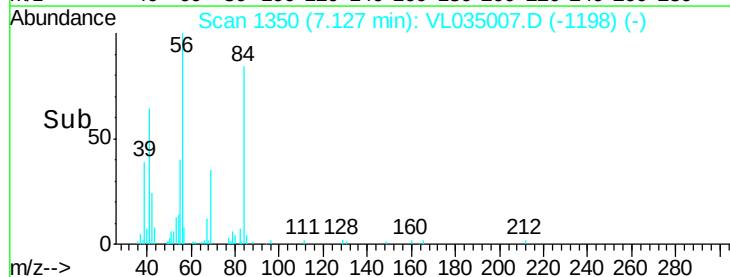
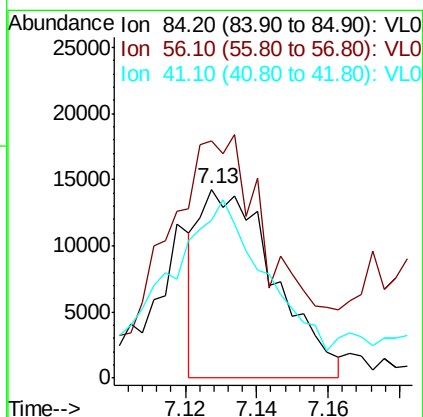
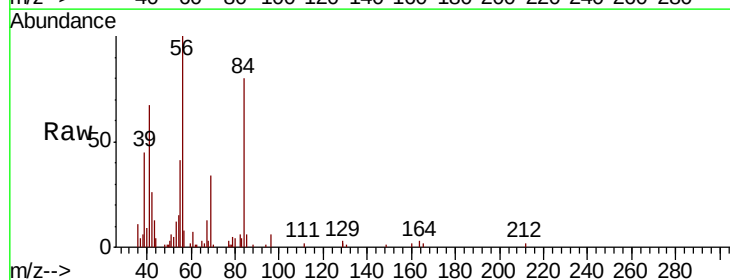
Instrument :
MSVOA_L
ClientSampleId :
SG-2

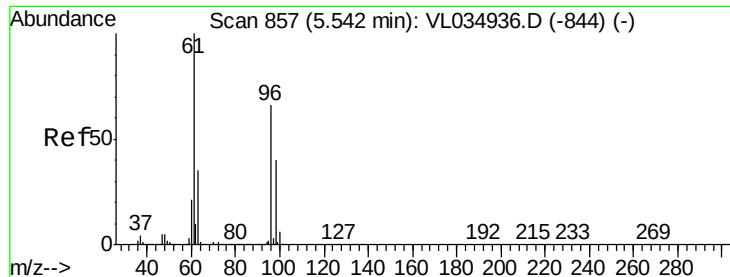
Tot Ion: 83 Resp: 9686589
Ion Ratio Lower Upper
83 100
85 79.7 53.0 79.6#



#30
Cyclohexane
Concen: 0.297 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

Tgt Ion: 84 Resp: 20862
Ion Ratio Lower Upper
84 100
56 186.5 111.4 167.2#
41 121.3 66.7 100.1#





#31

cis-1,2-Dichloroethene

Concen: 163.379 ppbv

RT: 5.54 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampled :

SG-2

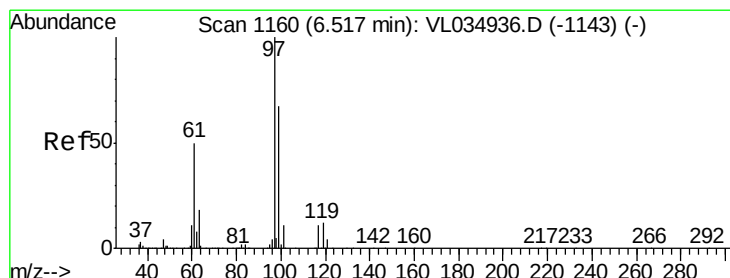
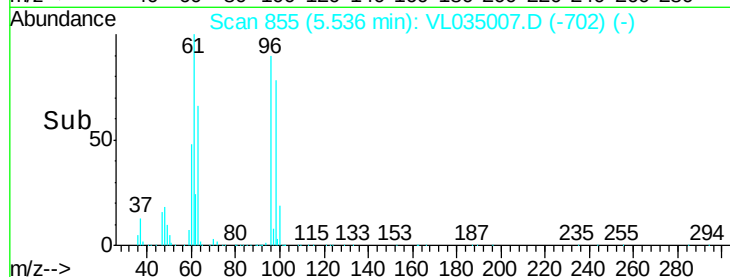
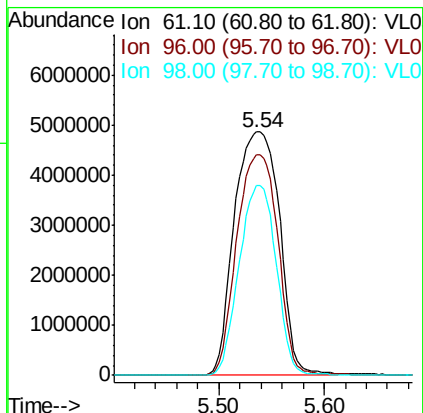
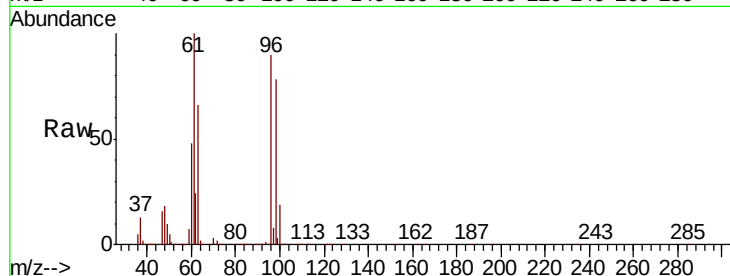
Tot Ion: 61 Resp:14487432

Ion Ratio Lower Upper

61 100

96 90.5 53.0 79.6#

98 77.7 32.2 48.2#



#32

1,1,1-Trichloroethane

Concen: 1.152 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

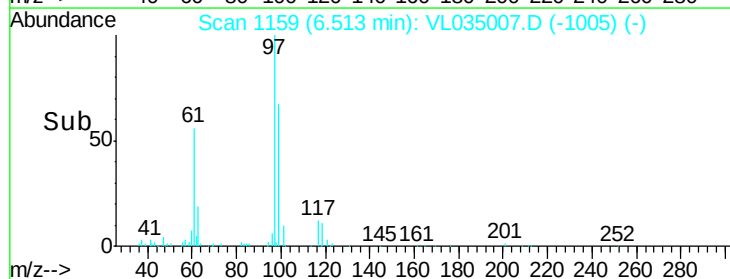
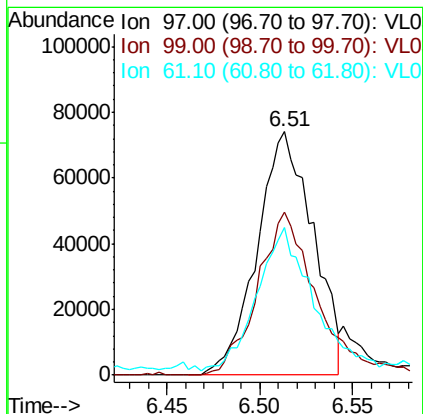
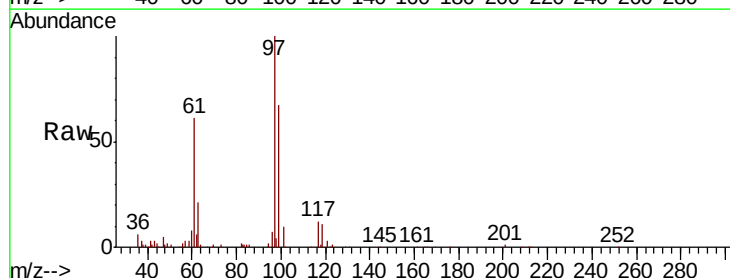
Tgt Ion: 97 Resp: 154655

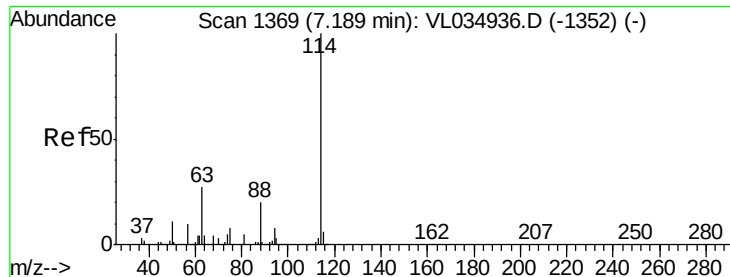
Ion Ratio Lower Upper

97 100

99 72.9 52.1 78.1

61 62.1 41.8 62.8

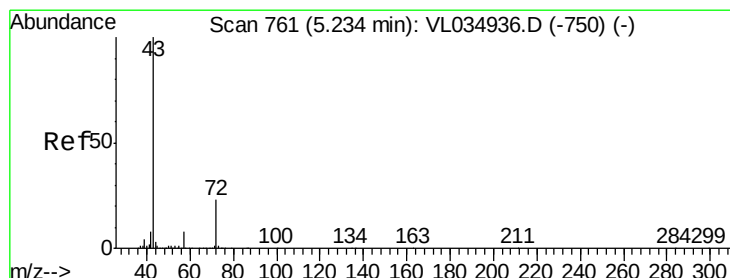
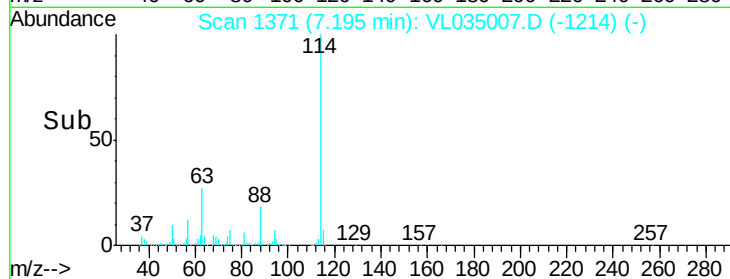
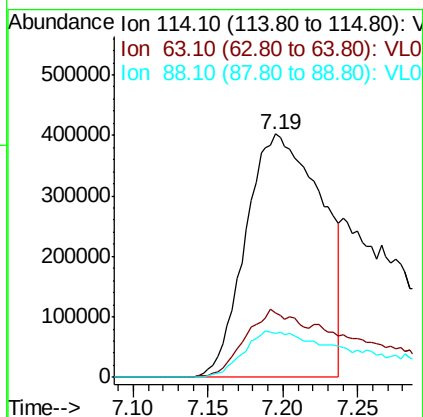
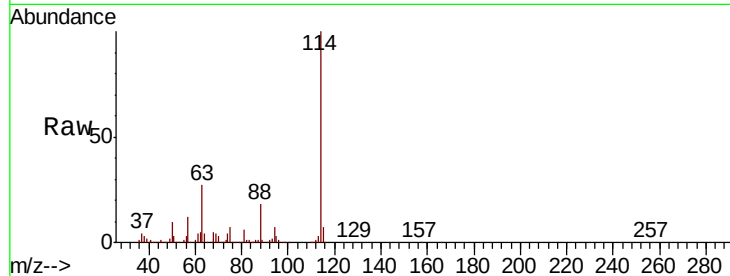




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035007.D
 Acq: 13 May 2020 4:01

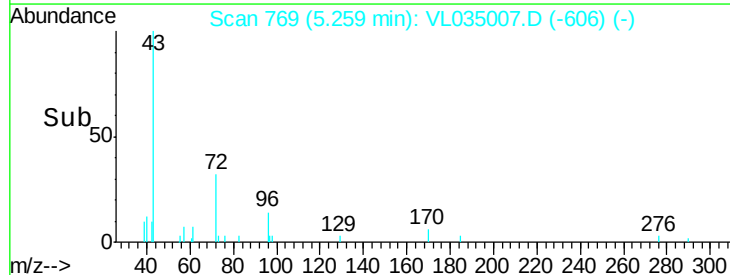
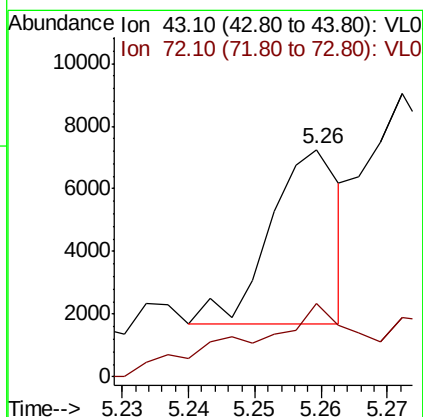
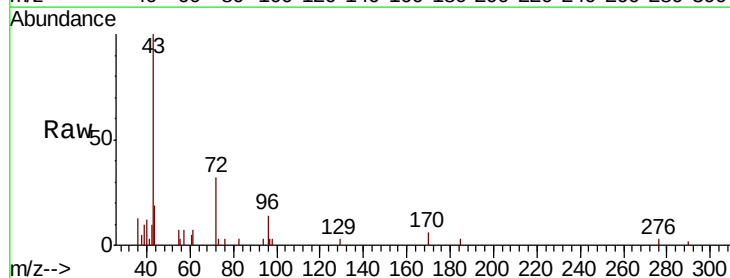
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

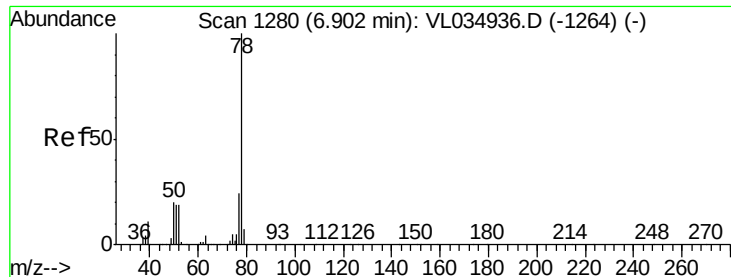
Tot Ion:114 Resp: 1417257
 Ion Ratio Lower Upper
 114 100
 63 42.8 22.2 33.4#
 88 30.2 15.5 23.3#



#34
 2-Butanone
 Concen: 0.046 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL035007.D
 Acq: 13 May 2020 4:01

Tgt Ion: 43 Resp: 4073
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.0 27.0#





#36

Benzene

Concen: 2.767 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

SG-2

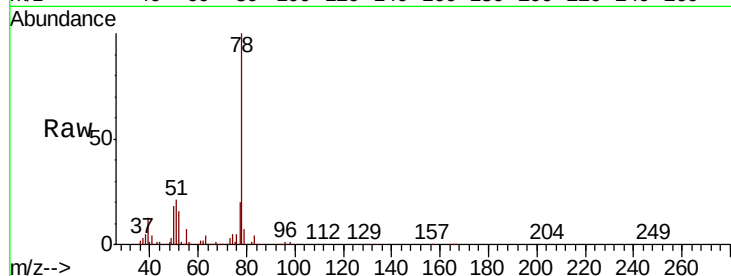
Tot Ion: 78 Resp: 323302

Ion Ratio Lower Upper

78 100

77 19.7 19.0 28.6

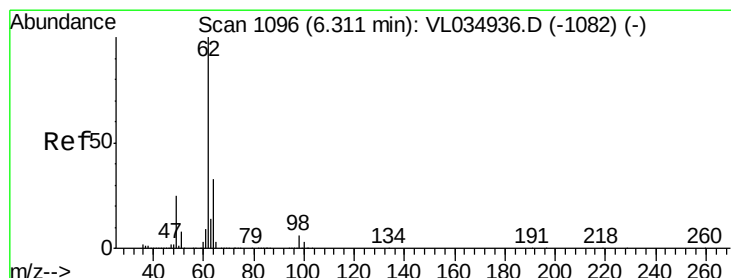
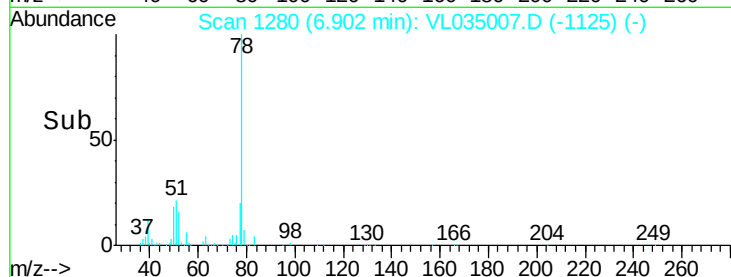
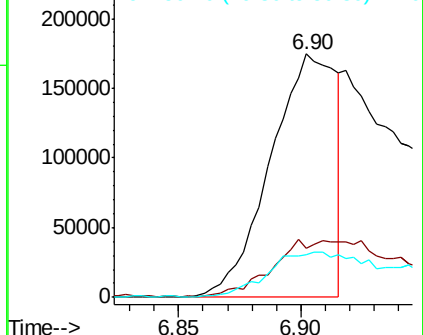
50 17.3 15.8 23.8



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



#37

1,2-Dichloroethane

Concen: 0.020 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VL035007.D

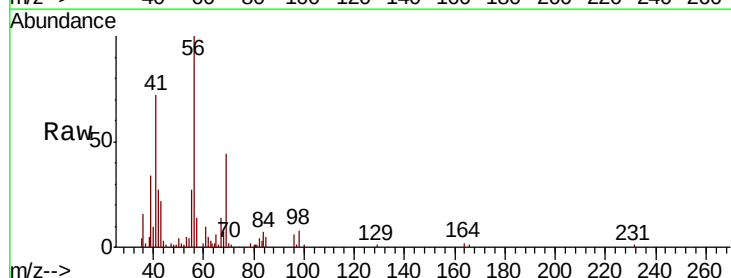
Acq: 13 May 2020 4:01

Tgt Ion: 62 Resp: 1462

Ion Ratio Lower Upper

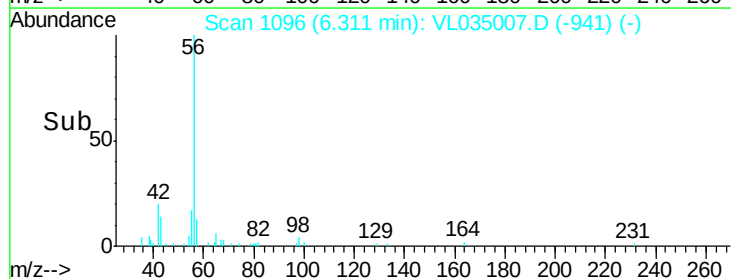
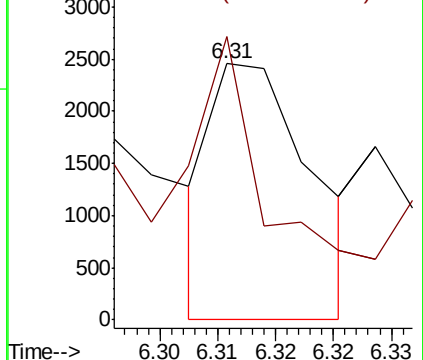
62 100

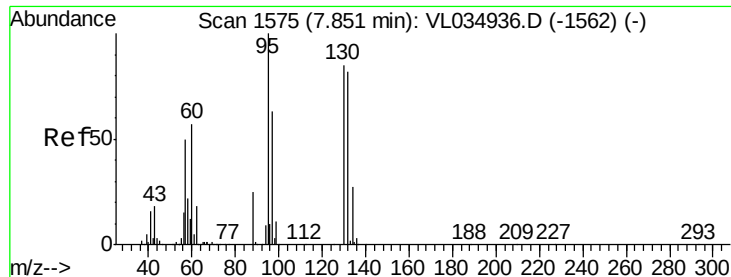
98 239.1 4.8 7.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 310.890 ppbv

RT: 7.95 min Scan# 1607

Delta R.T. 0.10 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tot Ion:130 Resp:14073182

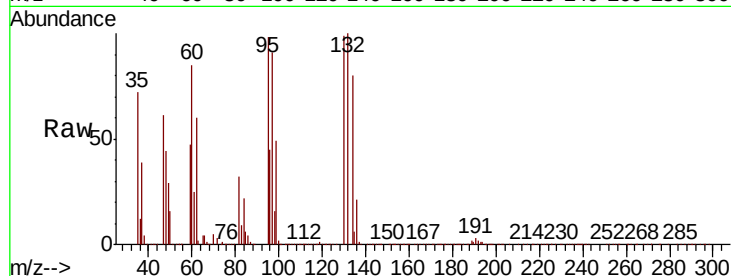
Ion Ratio Lower Upper

130 100

95 97.6 93.4 140.0

132 101.0 76.4 114.6

97 92.5 58.5 87.7#

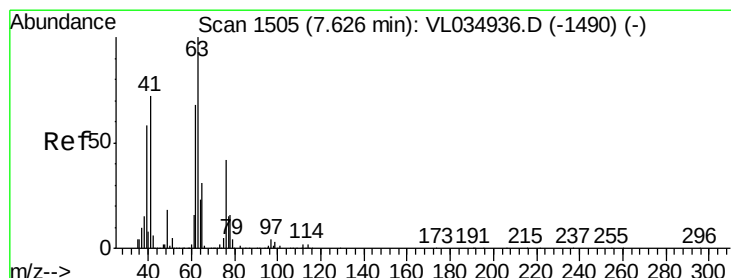
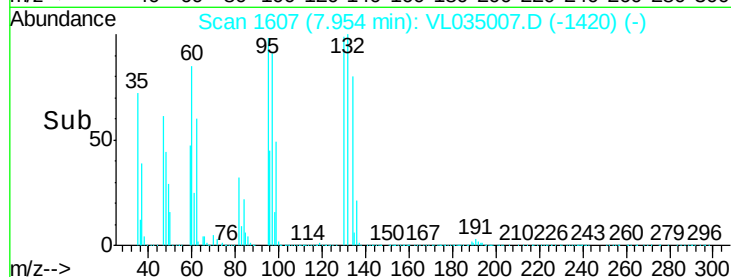
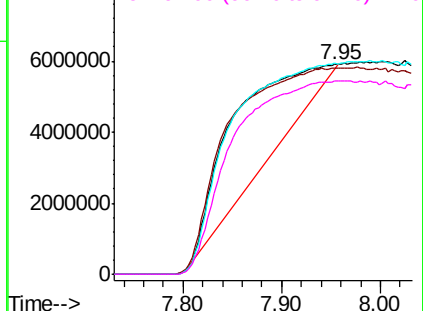


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 4.103 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.26 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

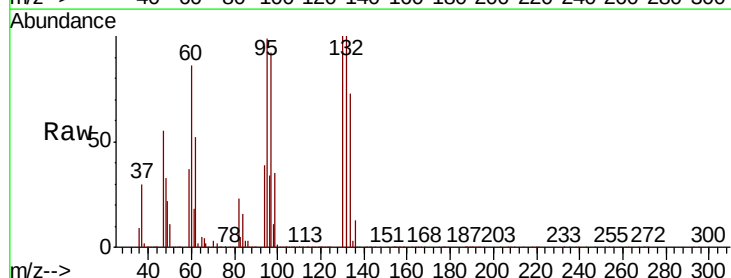
Tgt Ion: 63 Resp: 192196

Ion Ratio Lower Upper

63 100

41 21.6 57.8 86.8#

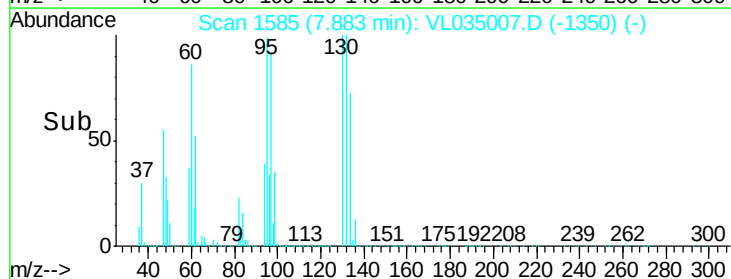
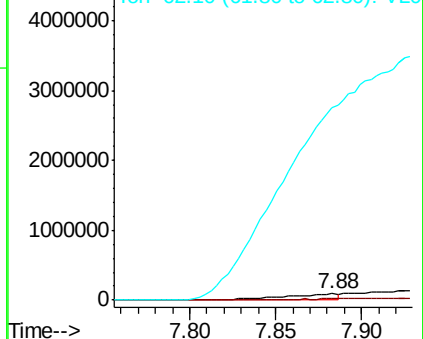
62 3143.8 54.2 81.2#

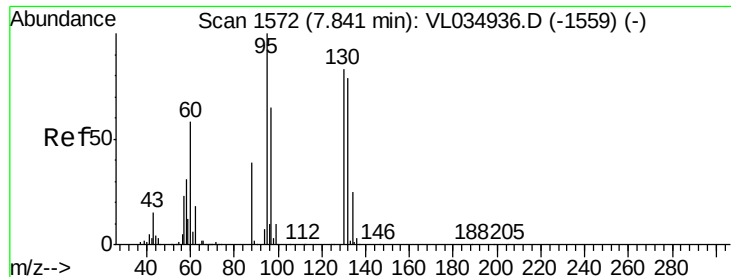


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

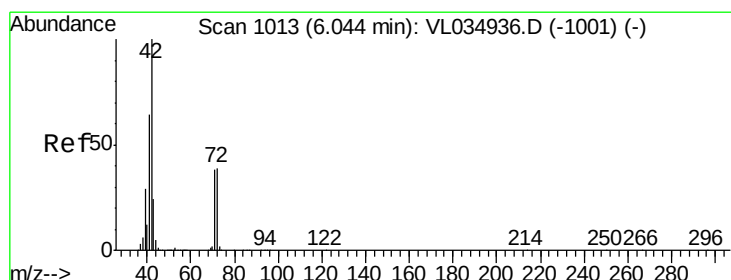
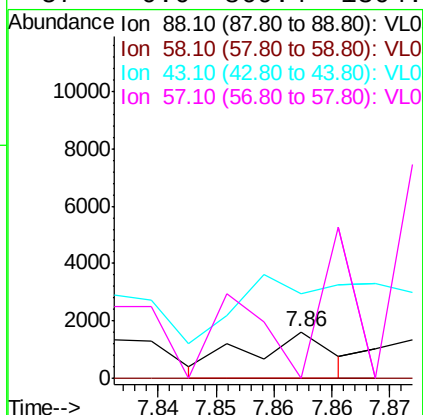
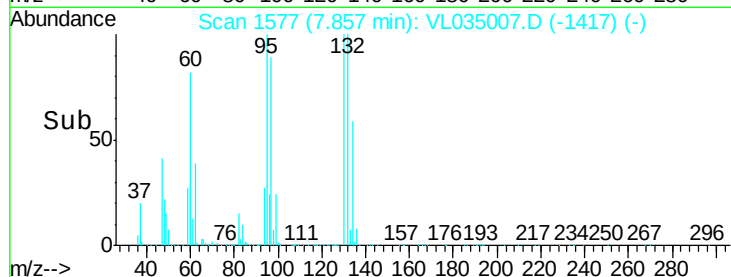
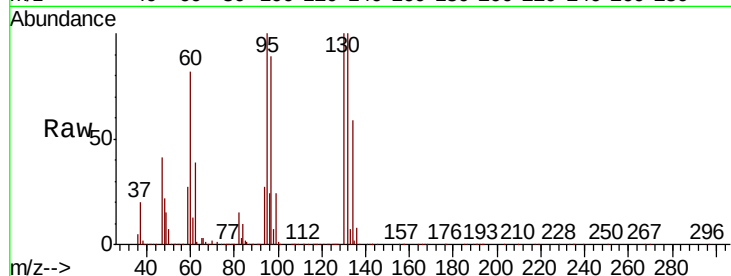




#40
1,4-Dioxane
Concen: 0.043 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.02 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

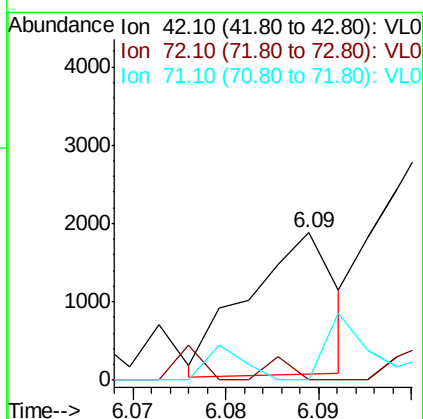
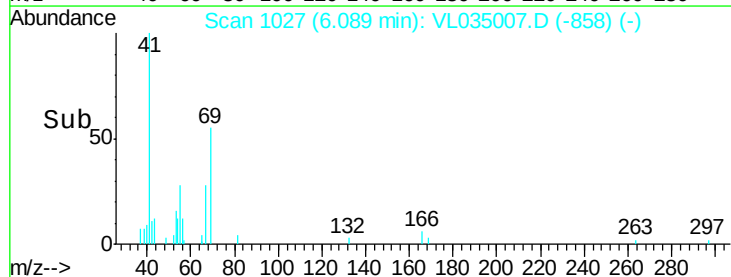
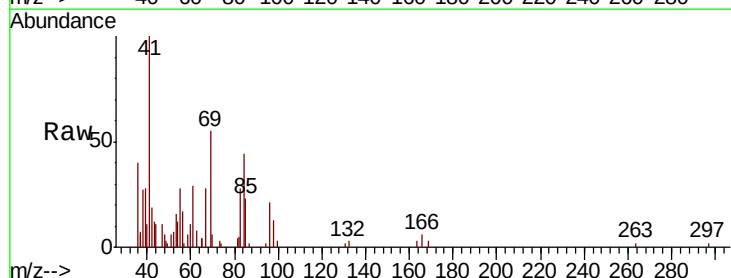
Instrument :
MSVOA_L
ClientSampleId :
SG-2

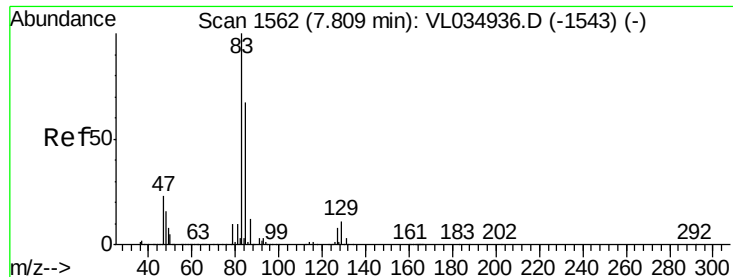
Tot Ion: 88 Resp: 813
Ion Ratio Lower Upper
88 100
58 0.0 105.1 157.7#
43 0.0 202.6 303.8#
57 0.0 869.4 1304.0#



#41
Tetrahydrofuran
Concen: 0.026 ppbv
RT: 6.09 min Scan# 1027
Delta R.T. 0.04 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

Tgt Ion: 42 Resp: 1184
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.8 44.8#





#42

Bromodichloromethane

Concen: 26.517 ppbv

RT: 7.95 min Scan# 1607

Delta R.T. 0.14 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampled :

SG-2

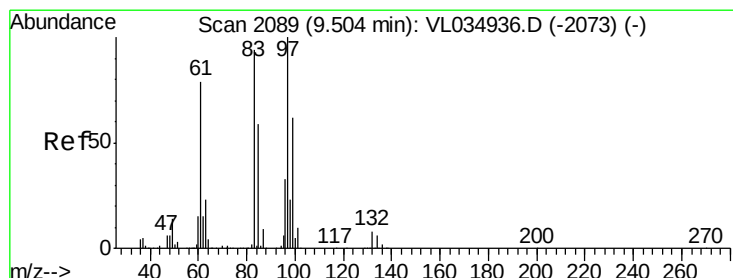
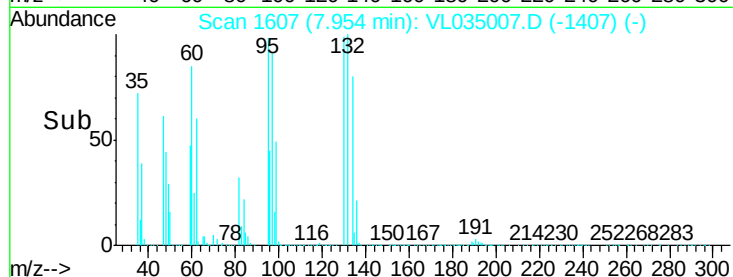
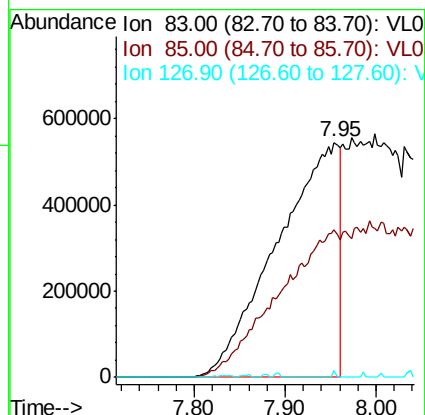
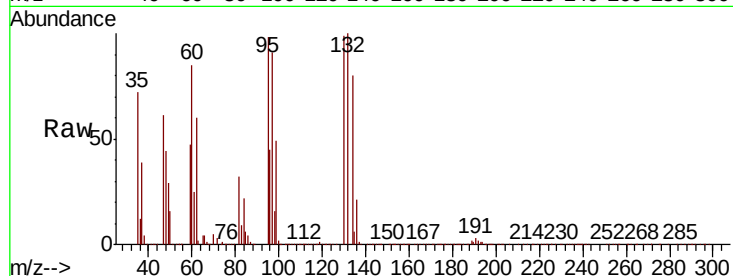
Tot Ion: 83 Resp: 2577668

Ion Ratio Lower Upper

83 100

85 63.1 53.4 80.0

127 2.9 6.1 9.1#



#47

1,1,2-Trichloroethane

Concen: 2.498 ppbv

RT: 9.55 min Scan# 2102

Delta R.T. 0.04 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Tgt Ion: 97 Resp: 123456

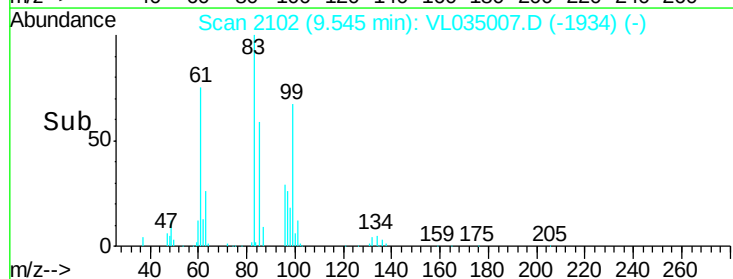
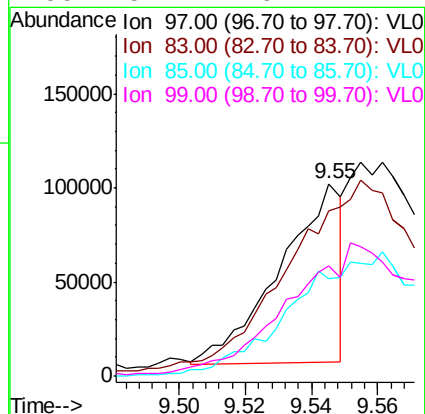
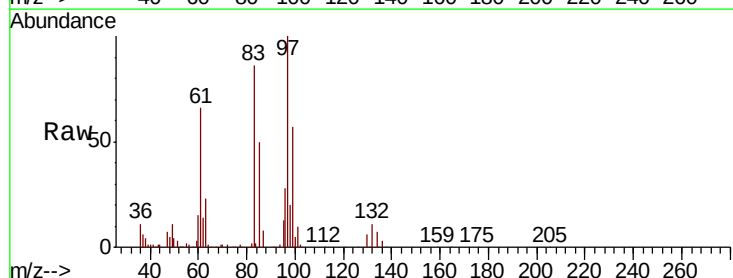
Ion Ratio Lower Upper

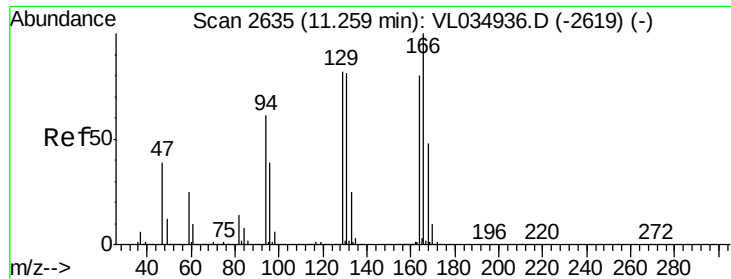
97 100

83 85.0 75.6 113.4

85 51.1 47.0 70.6

99 57.1 49.4 74.2





#52

Tetrachloroethene

Concen: 1094.507 ppbv

RT: 11.42 min Scan# 2686

Delta R.T. 0.16 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tot Ion:164 Resp:45475304

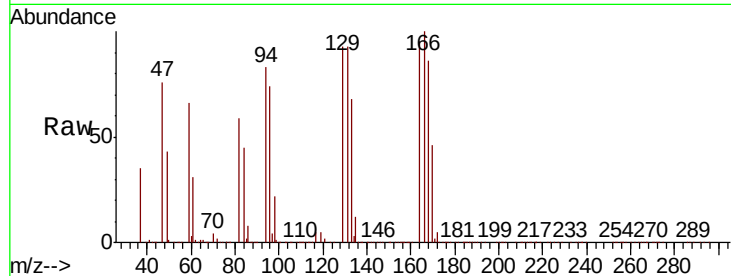
Ion Ratio Lower Upper

164 100

166 105.5 100.7 151.1

129 98.0 83.0 124.4

131 98.2 81.0 121.4

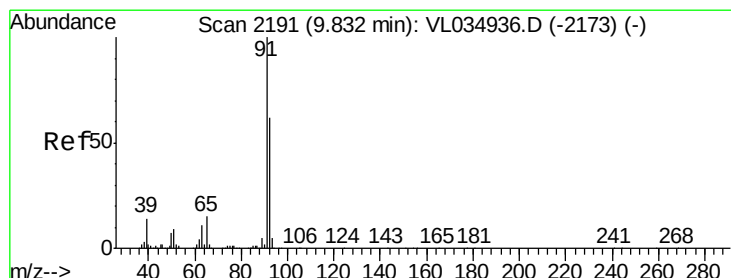
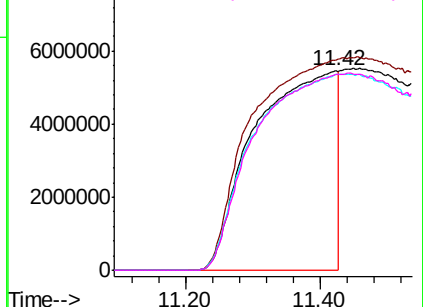
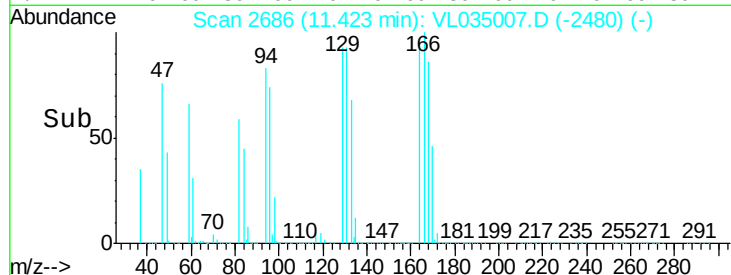


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.721 ppbv

RT: 9.88 min Scan# 2206

Delta R.T. 0.05 min

Lab File: VL035007.D

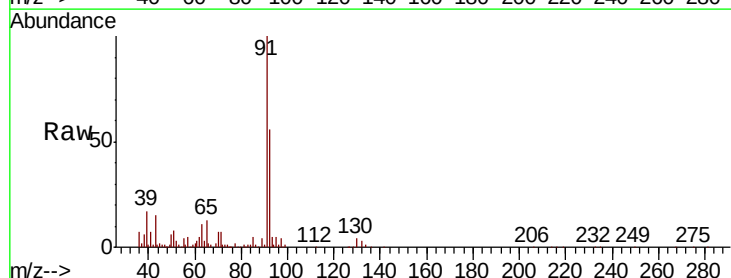
Acq: 13 May 2020 4:01

Tgt Ion: 91 Resp: 213135

Ion Ratio Lower Upper

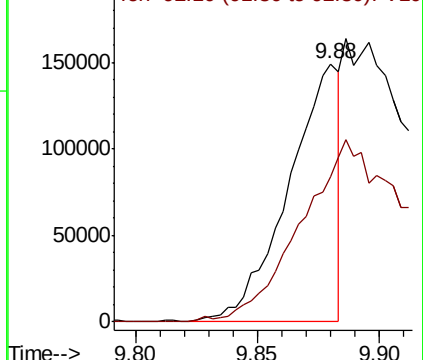
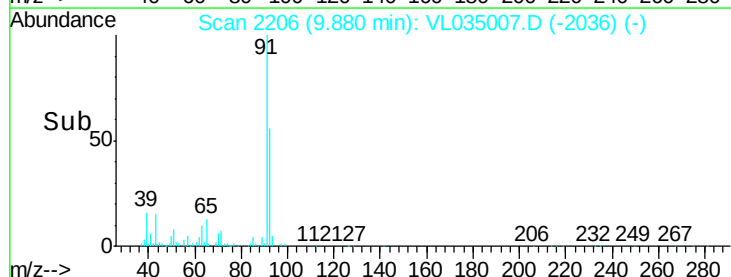
91 100

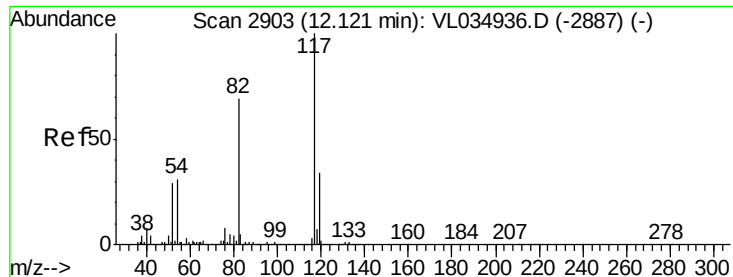
92 0.0 48.6 73.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

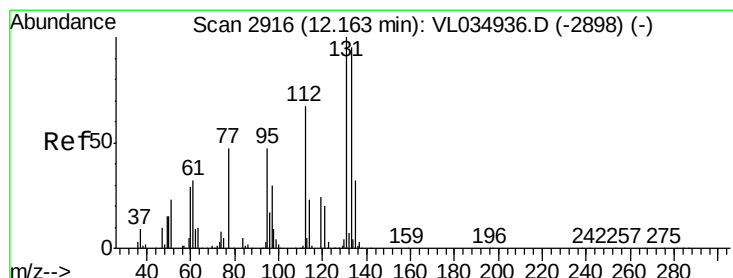
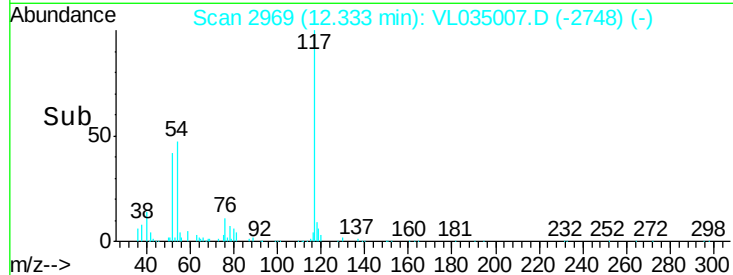
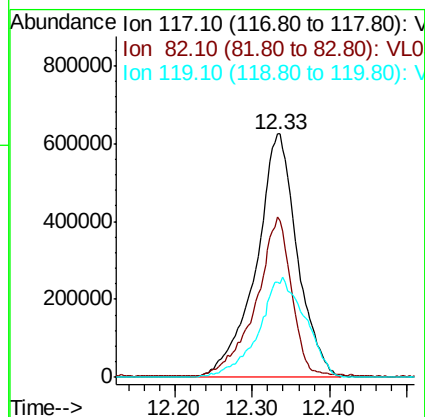
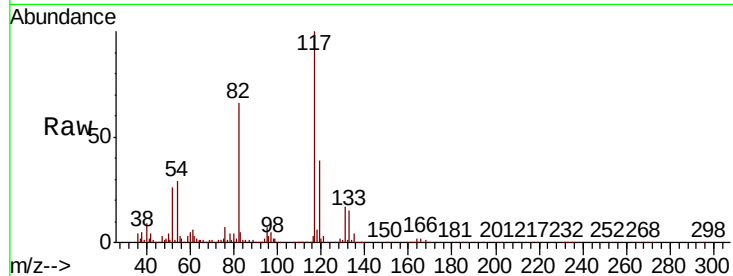




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 2969
Delta R.T. 0.21 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

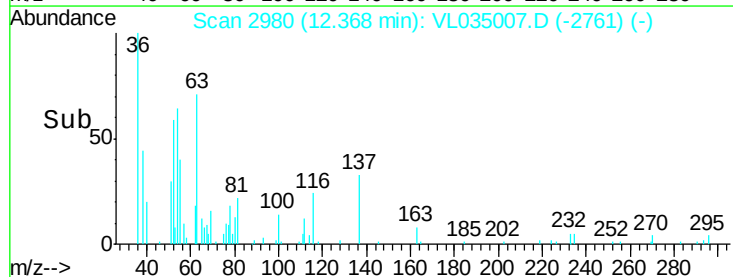
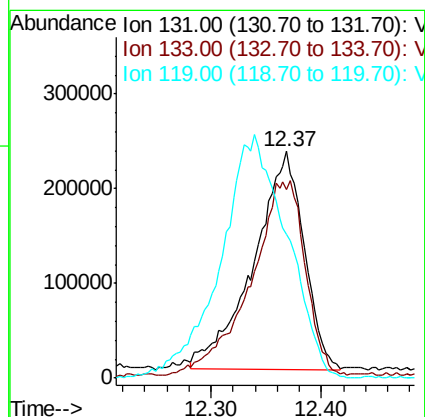
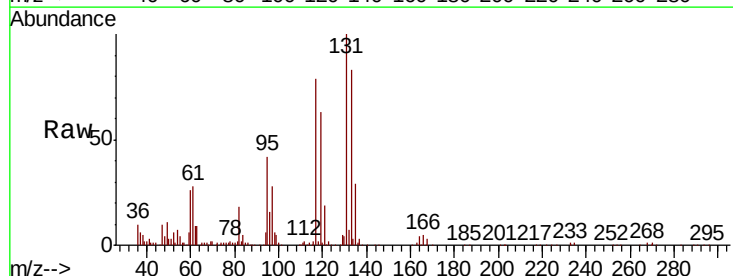
Instrument :
MSVOA_L
ClientSampled :
SG-2

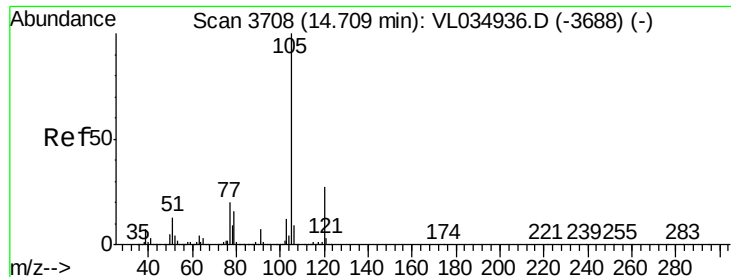
Tot Ion:117 Resp: 2295120
Ion Ratio Lower Upper
117 100
82 58.3 53.1 79.7
119 46.9 26.7 40.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.078 ppbv
RT: 12.37 min Scan# 2980
Delta R.T. 0.21 min
Lab File: VL035007.D
Acq: 13 May 2020 4:01

Tgt Ion:131 Resp: 732633
Ion Ratio Lower Upper
131 100
133 95.9 77.7 116.5
119 145.9 49.8 74.6#





#62

Isopropylbenzene

Concen: 1.041 ppbv

RT: 14.80 min Scan# 3736

Delta R.T. 0.09 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Instrument :

MSVOA_L

ClientSampleId :

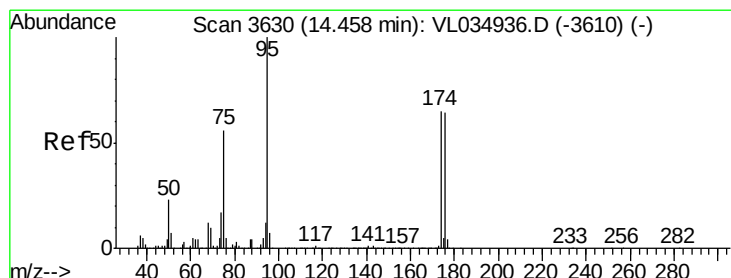
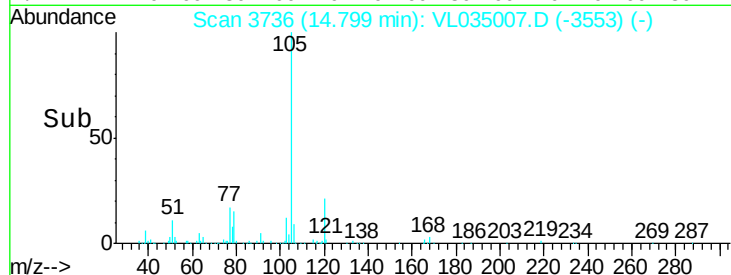
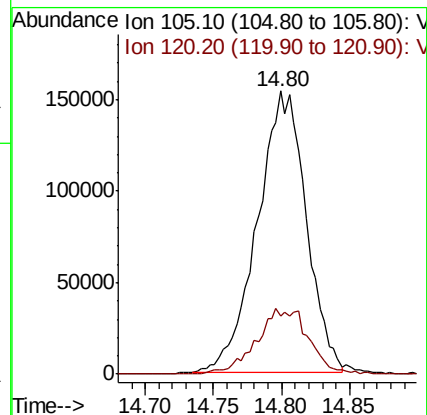
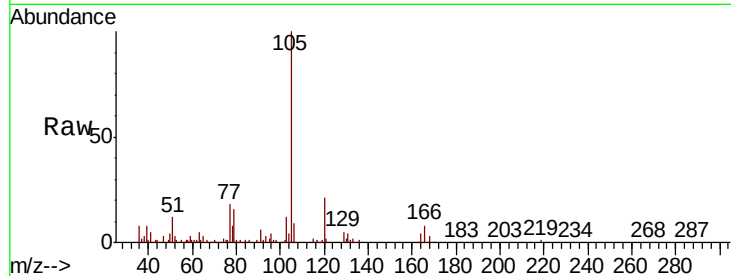
SG-2

Tot Ion:105 Resp: 382902

Ion Ratio Lower Upper

105 100

120 24.7 20.6 31.0



#68

1-Bromo-4-Fluorobenzene

Concen: 5.300 ppbv

RT: 14.56 min Scan# 3661

Delta R.T. 0.10 min

Lab File: VL035007.D

Acq: 13 May 2020 4:01

Tgt Ion: 95 Resp: 984577

Ion Ratio Lower Upper

95 100

174 100.6 51.5 77.3#

175 7.7 3.8 5.8#

