

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036596.D
 Acq On : 31 Mar 2021 11:05
 Operator : SY/AP
 Sample : M1797-07
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:24:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1543110	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3716070	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3155506	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2622009	10.43	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	35862	0.142	ppbv 89
3) Chlorodifluoromethane	2.98	51	85572	0.297	ppbv # 87
4) Chloromethane	3.14	50	40705	0.400	ppbv 95
7) Chloroethane	3.55	64	2297	0.064	ppbv 96
9) Propene	3.01	41	74190	0.807	ppbv 84
10) Heptane	8.12	43	5495	0.023	ppbv # 1
11) Trichlorofluoromethane	3.94	101	58725	0.229	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	6518	0.040	ppbv # 11
13) Ethanol	3.61	45	2936046	268.250	ppbv 93
15) Acetone	3.84	43	12292252	80.935	ppbv 91
16) 1,3-Butadiene	3.31	39	9919	0.094	ppbv # 13
17) tert-Butyl alcohol	4.30	59	520578	3.937	ppbv 98
19) Isopropyl Alcohol	3.98	45	1871114	22.396	ppbv # 1
20) Methylene Chloride	4.34	84	172483	2.426	ppbv 86
21) Allyl Chloride	4.40	41	2625	0.022	ppbv # 17
23) Vinyl Acetate	5.06	43	84855	0.327	ppbv # 79
24) 1,1-Dichloroethane	5.01	63	15045	0.079	ppbv # 94
25) Ethyl Acetate	5.68	43	157637	0.437	ppbv # 80
26) Hexane	5.68	57	193702	1.156	ppbv # 50
27) Carbon Disulfide	4.54	76	119140	0.722	ppbv # 89
29) Chloroform	5.75	83	848138	3.165	ppbv 97
30) Cyclohexane	7.13	84	4029	0.030	ppbv # 1
32) 1,1,1-Trichloroethane	6.50	97	931052	3.447	ppbv 99
34) 2-Butanone	5.24	43	686569	3.785	ppbv 99
36) Benzene	6.89	78	50504	0.147	ppbv 95
37) 1,2-Dichloroethane	6.31	62	11630	0.058	ppbv # 60
38) Trichloroethene	7.83	130	42410	0.318	ppbv 94
39) 1,2-Dichloropropane	7.17	63	995605	7.161	ppbv # 23
40) 1,4-Dioxane	7.83	88	63842	1.973	ppbv # 1
41) Tetrahydrofuran	6.01	42	589951	7.054	ppbv # 46
43) Methyl Methacrylate	8.01	69	28250	0.245	ppbv # 45
44) 2,2,4-Trimethylpentane	7.87	57	118601	0.197	ppbv 90
50) 4-Methyl-2-Pentanone	8.74	43	153824	0.586	ppbv # 40
51) 2-Hexanone	10.13	43	41535	0.314	ppbv # 30
52) Tetrachloroethene	11.22	164	213675	1.693	ppbv 94
53) Toluene	9.80	91	133162	0.365	ppbv # 44
59) m/p-Xylene	12.98	91	32900	0.082	ppbv # 32
60) o-Xylene	13.69	91	61720	0.159	ppbv 99
66) Benzyl Chloride	16.98	91	1081	0.022	ppbv # 51
69) p-Isopropyltoluene	17.65	119	70784	0.142	ppbv # 75
70) n-Butylbenzene	18.55	91	28062	0.054	ppbv # 27

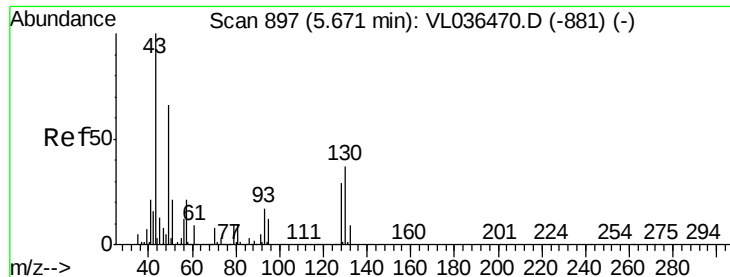
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
Data File : VL036596.D
Acq On : 31 Mar 2021 11:05
Operator : SY/AP
Sample : M1797-07
Misc : 400mL/MSVOA L
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.00	105	13300	0.034	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.76	105	85838	0.203	ppbv #	70
77) 1,2-Dichlorobenzene	17.81	146	7074	0.032	ppbv #	1
79) Naphthalene	22.20	128	536757	2.171	ppbv	98
80) Naphthalene,2-methyl-	24.98	142	1416	0.029	ppbv #	76

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

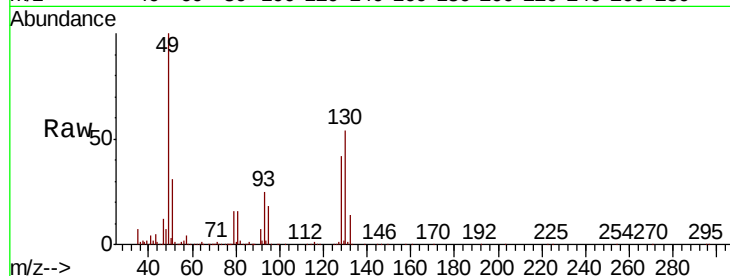
Tot Ion: 49 Resp: 1543110

Ion Ratio Lower Upper

49 100

128 45.0 23.5 70.6

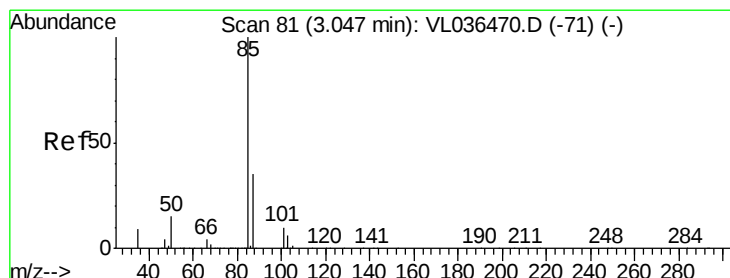
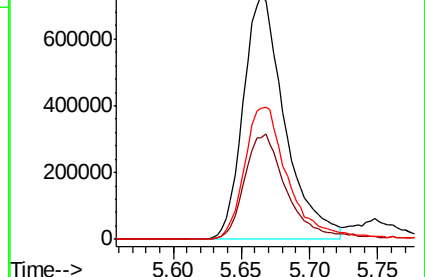
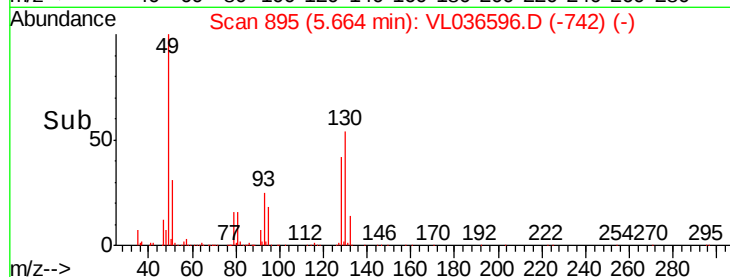
130 58.9 29.1 87.4



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: 0.142 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036596.D

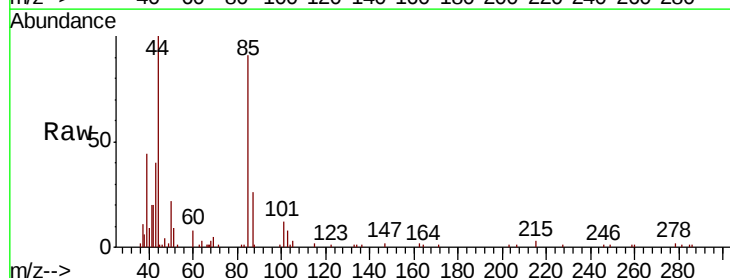
Acq: 31 Mar 2021 11:05

Tgt Ion: 85 Resp: 35862

Ion Ratio Lower Upper

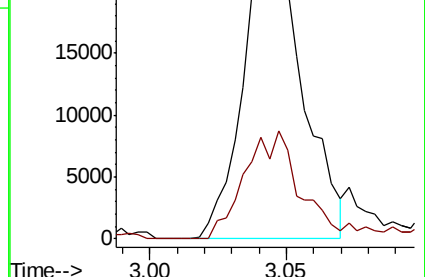
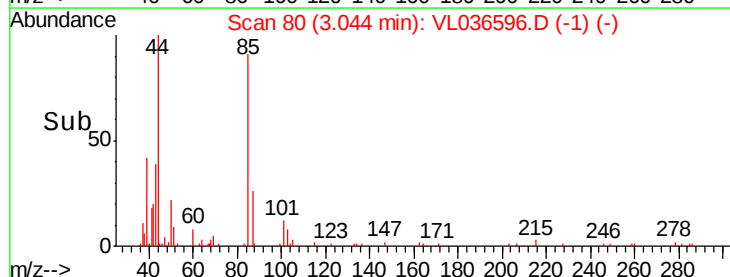
85 100

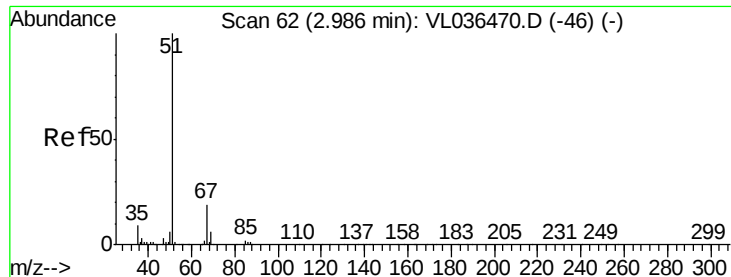
87 28.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.297 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

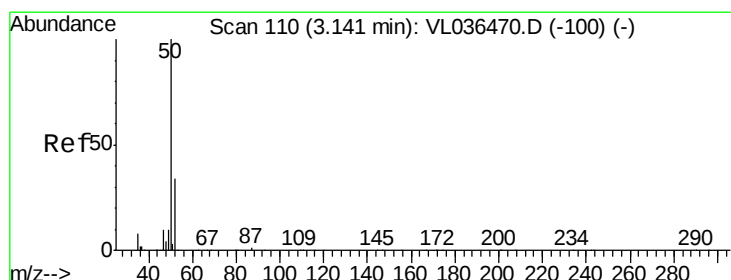
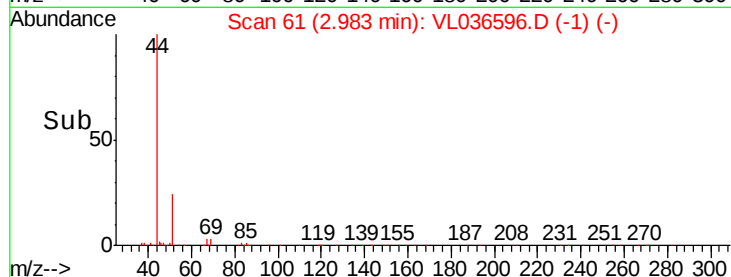
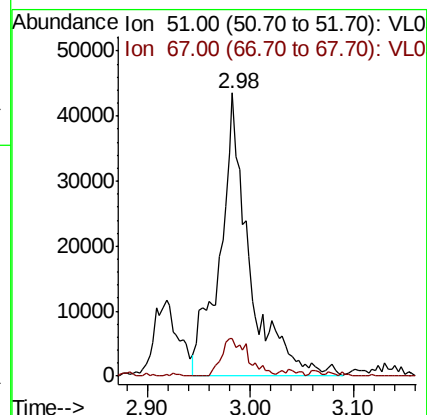
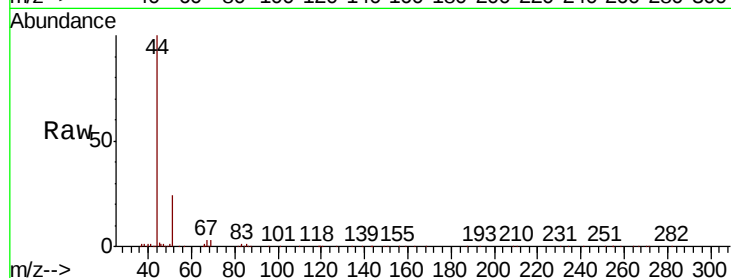
ClientSampleId :

Tot Ion: 51 Resp: 85572

Ion Ratio Lower Upper

51 100

67 12.6 14.7 22.1#



#4

Chloromethane

Concen: 0.400 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036596.D

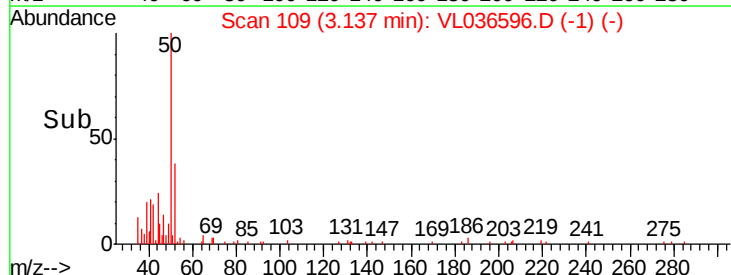
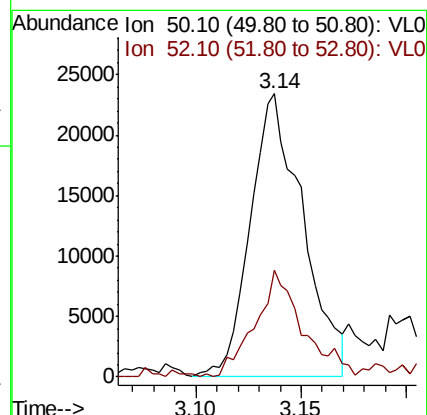
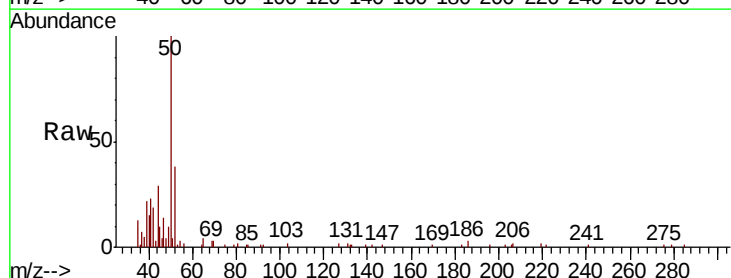
Acq: 31 Mar 2021 11:05

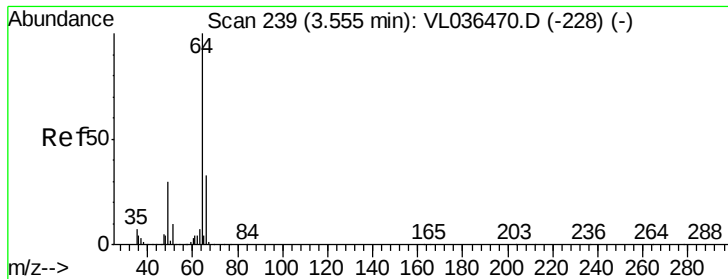
Tgt Ion: 50 Resp: 40705

Ion Ratio Lower Upper

50 100

52 36.8 27.0 40.6





#7

Chloroethane

Concen: 0.064 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

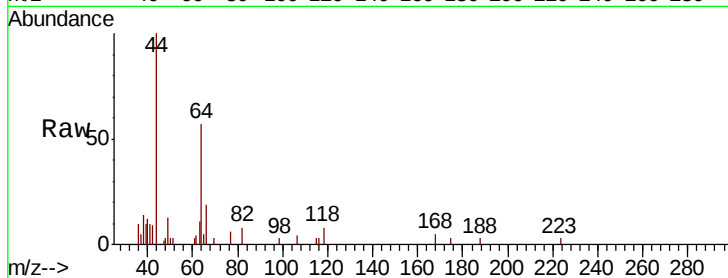
ClientSampleId :

Tot Ion: 64 Resp: 2297

Ion Ratio Lower Upper

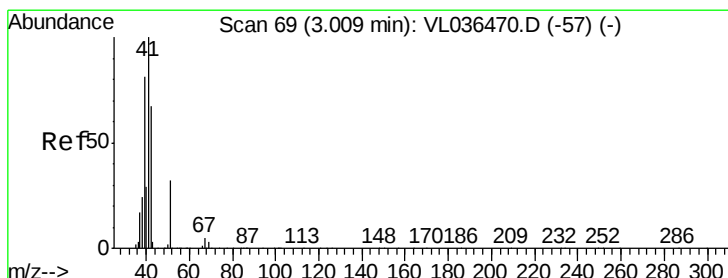
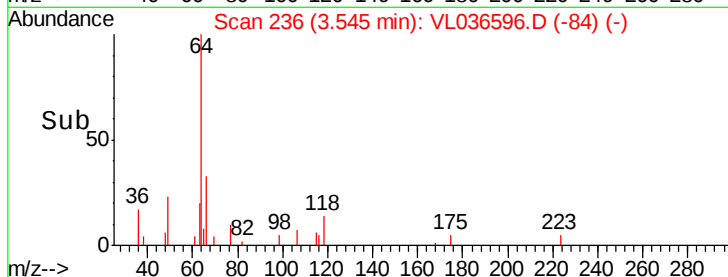
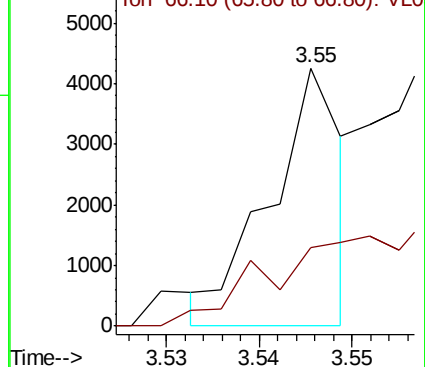
64 100

66 30.6 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.807 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036596.D

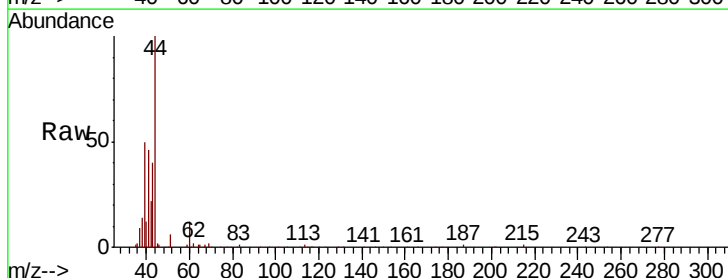
Acq: 31 Mar 2021 11:05

Tgt Ion: 41 Resp: 74190

Ion Ratio Lower Upper

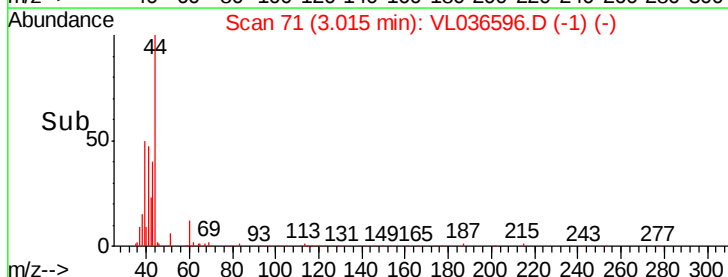
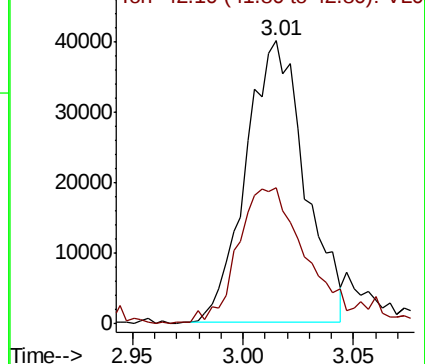
41 100

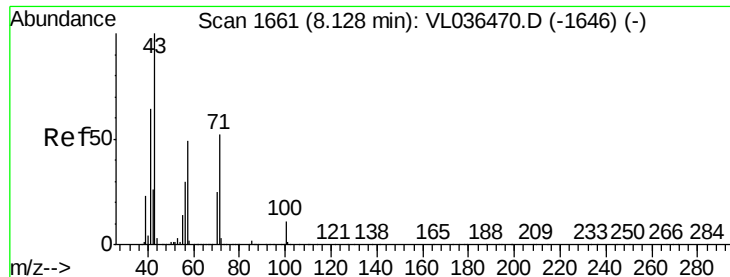
42 58.4 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.023 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

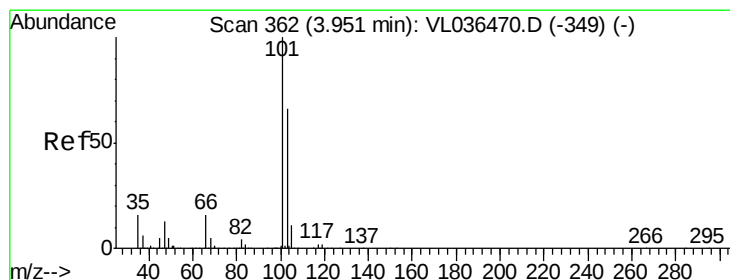
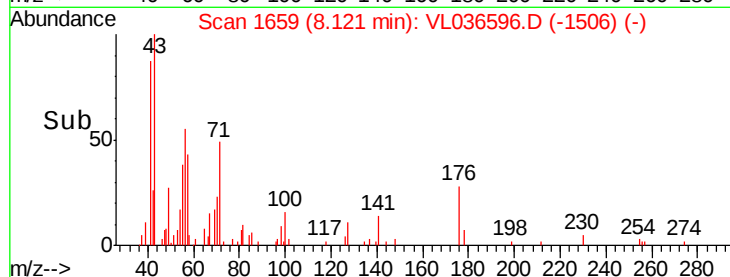
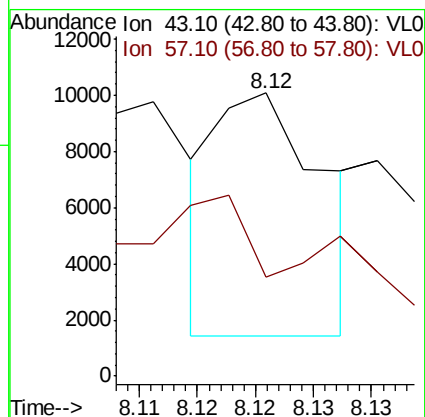
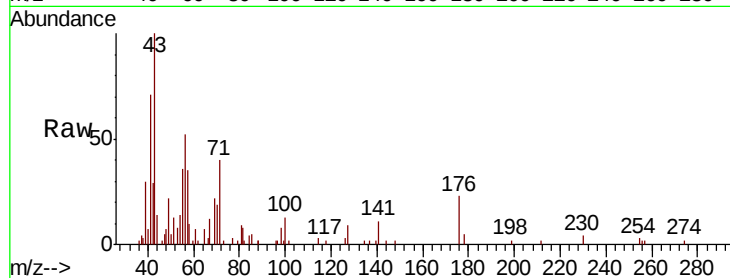
ClientSampleId :

Tot Ion: 43 Resp: 5495

Ion Ratio Lower Upper

43 100

57 194.1 39.0 58.6#



#11

Trichlorofluoromethane

Concen: 0.229 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL036596.D

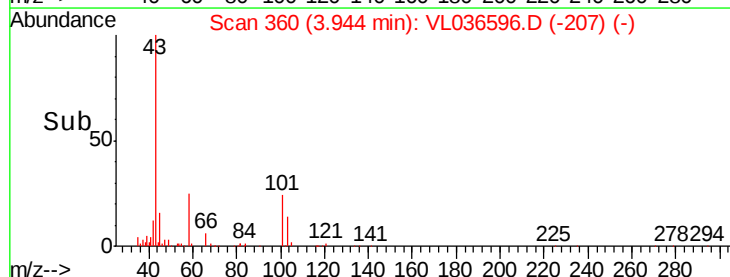
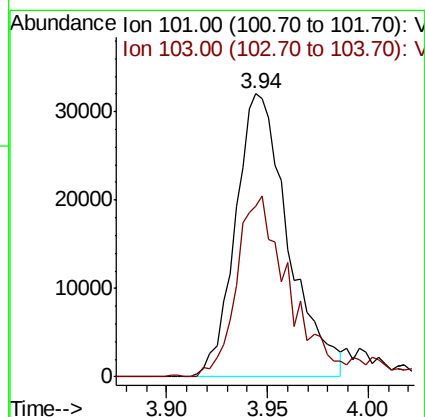
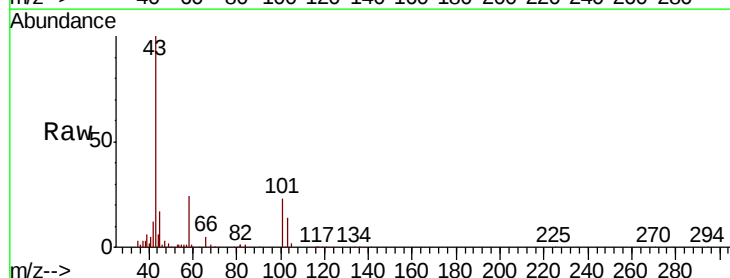
Acq: 31 Mar 2021 11:05

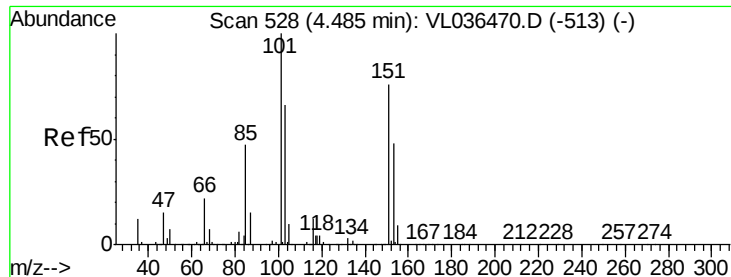
Tgt Ion: 101 Resp: 58725

Ion Ratio Lower Upper

101 100

103 60.3 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.040 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

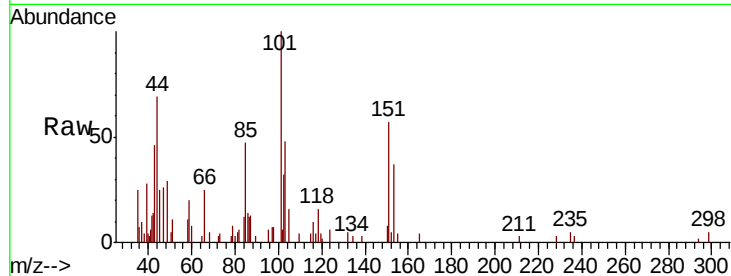
ClientSampled :

Tot Ion:101 Resp: 6518

Ion Ratio Lower Upper

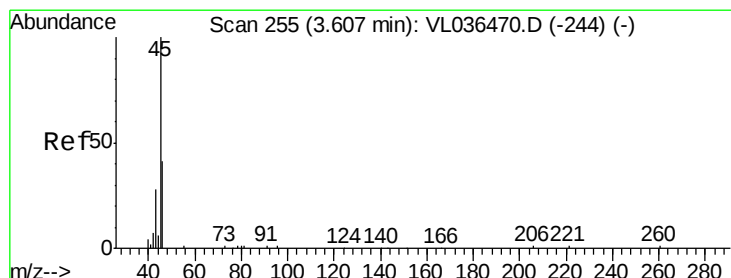
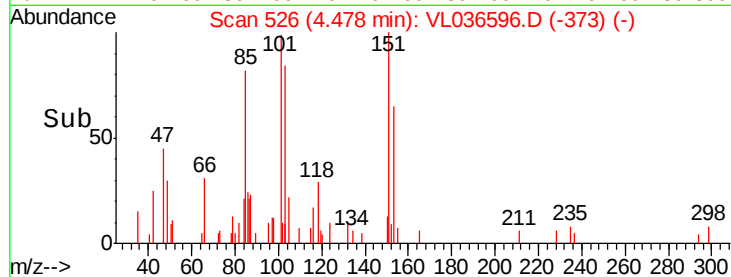
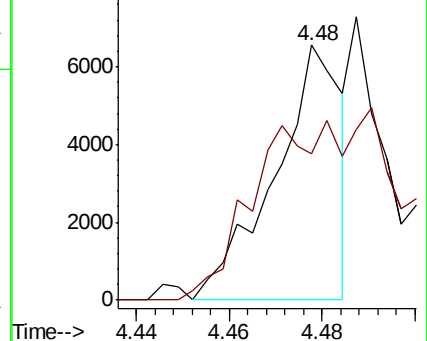
101 100

151 0.0 60.9 91.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 268.250 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036596.D

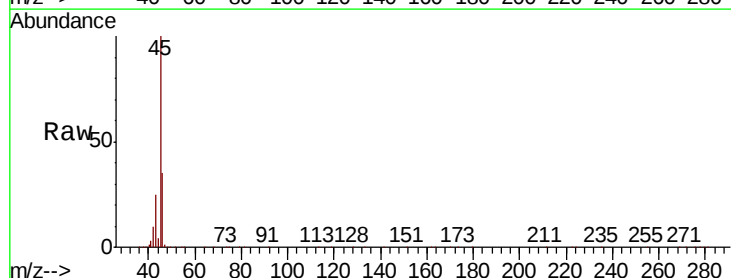
Acq: 31 Mar 2021 11:05

Tgt Ion: 45 Resp: 2936046

Ion Ratio Lower Upper

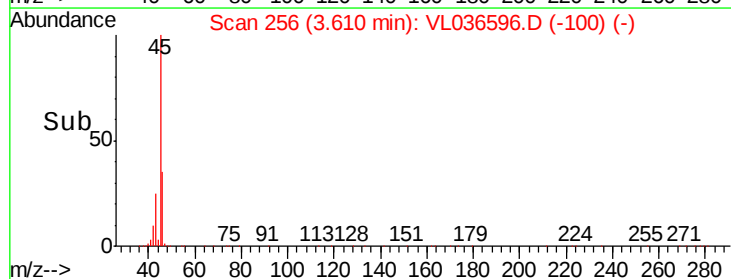
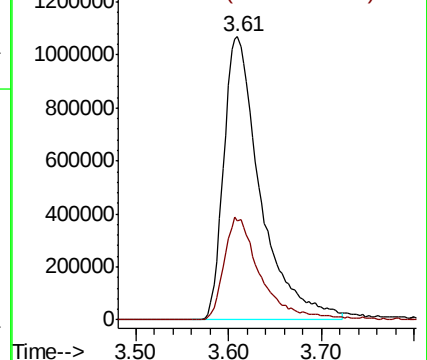
45 100

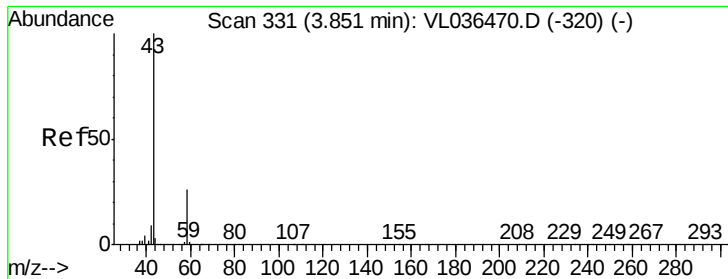
46 36.8 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

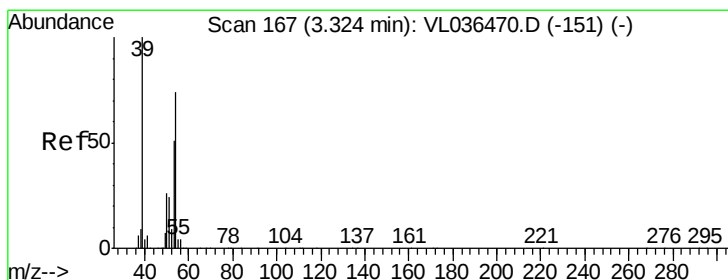
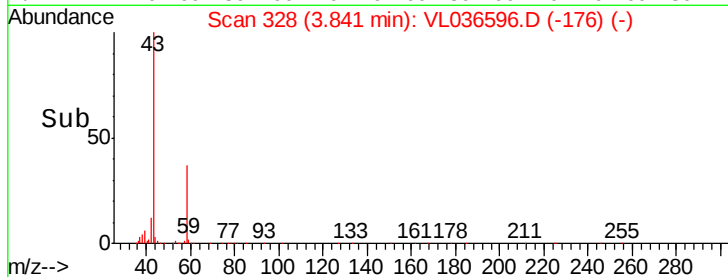
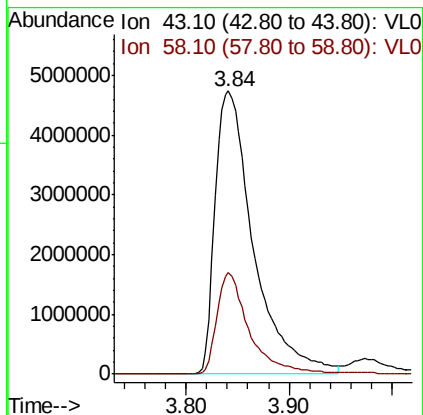
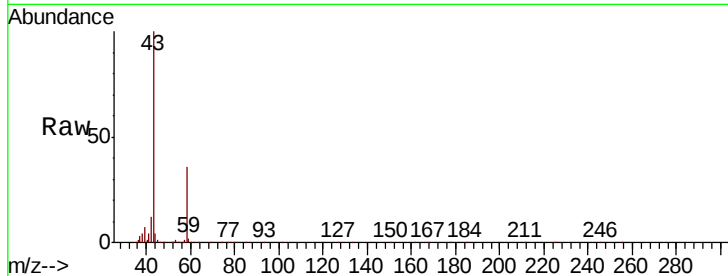




#15
Acetone
Concen: 80.935 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

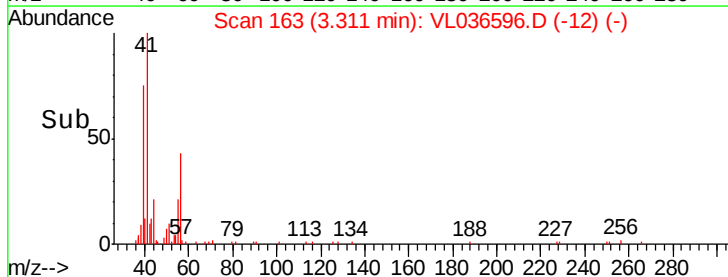
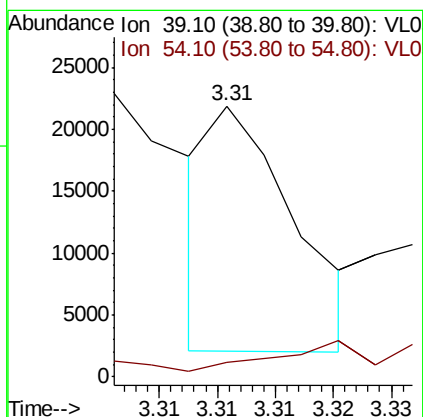
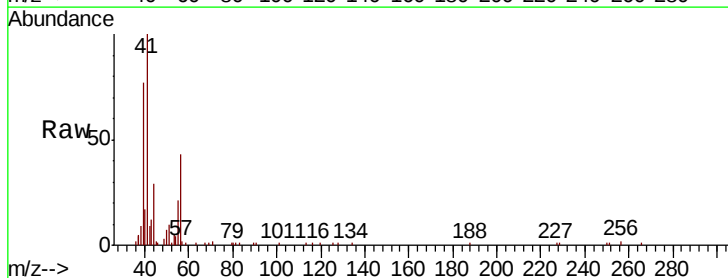
Instrument :
MSVOA_L
ClientSampleId :

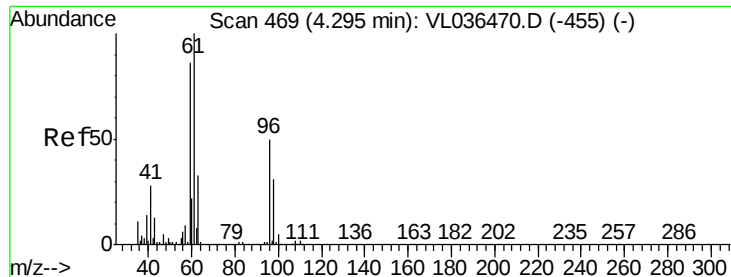
Tot Ion: 43 Resp:12292252
Ion Ratio Lower Upper
43 100
58 31.1 21.2 31.8



#16
1,3-Butadiene
Concen: 0.094 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 39 Resp: 9919
Ion Ratio Lower Upper
39 100
54 0.0 58.8 88.2#



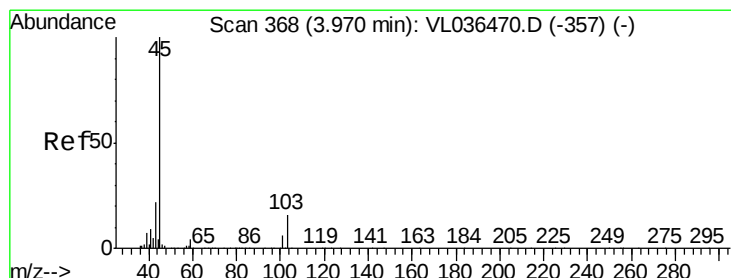
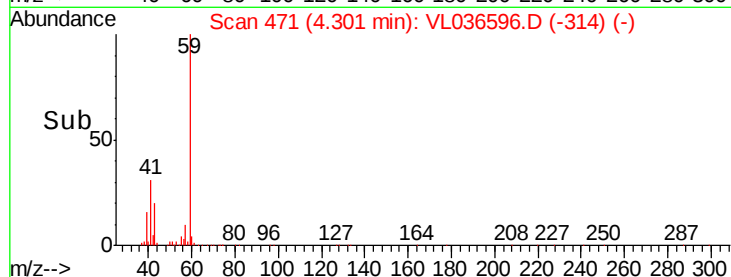
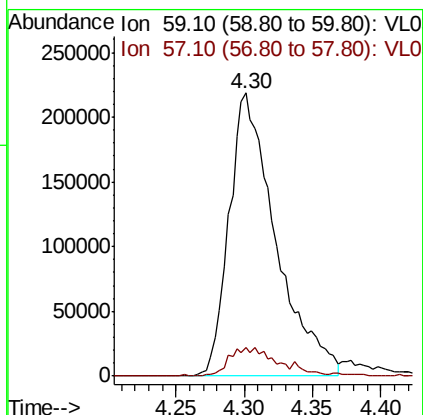
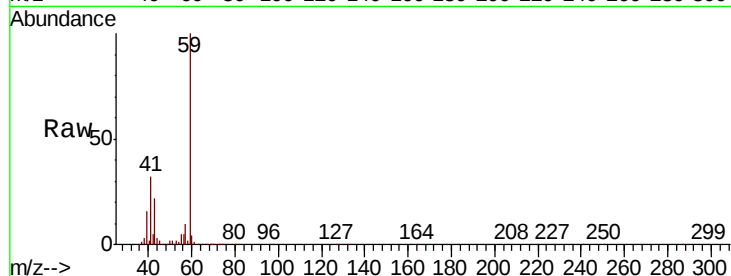


#17

tert-Butyl alcohol
Concen: 3.937 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :

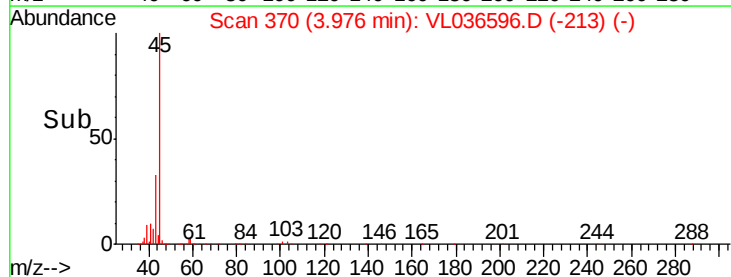
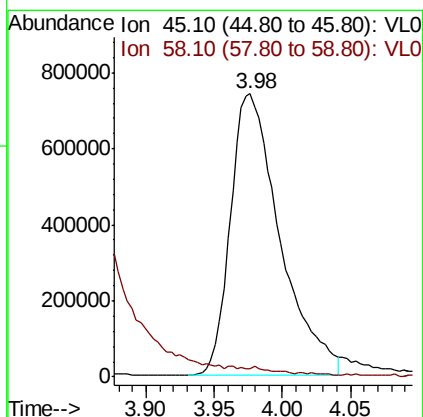
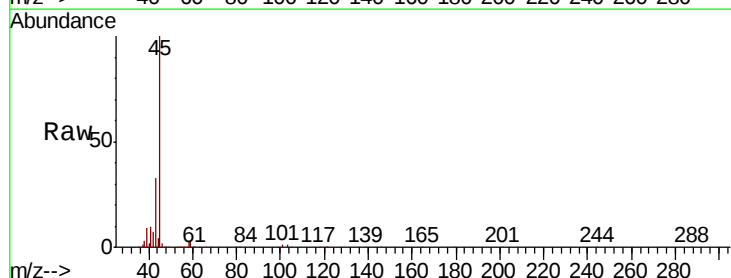
Tot Ion: 59 Resp: 520578
Ion Ratio Lower Upper
59 100
57 11.5 8.6 12.8

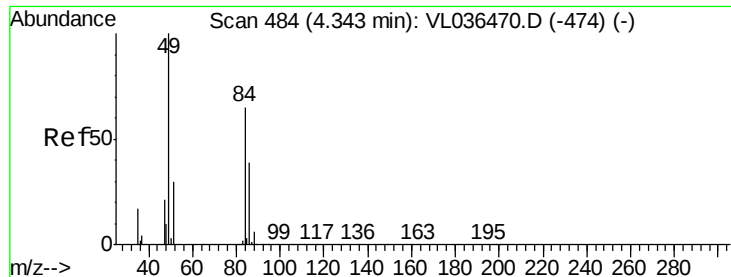


#19

Isopropyl Alcohol
Concen: 22.396 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 45 Resp: 1871114
Ion Ratio Lower Upper
45 100
58 204.5 2.9 4.3#

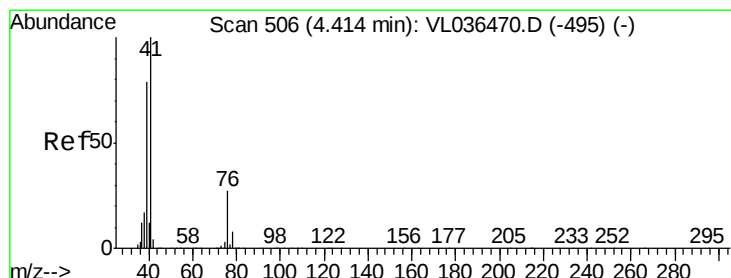
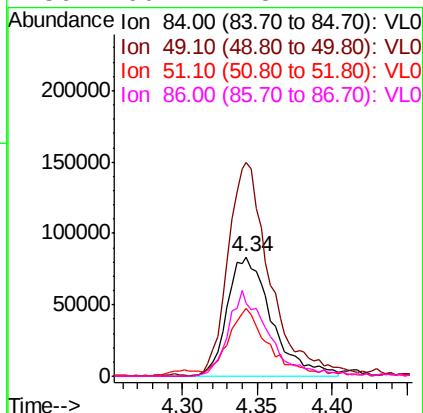
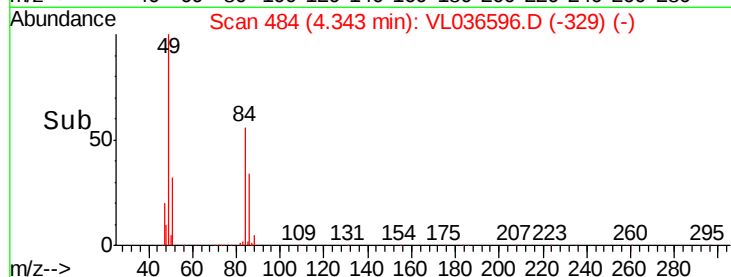
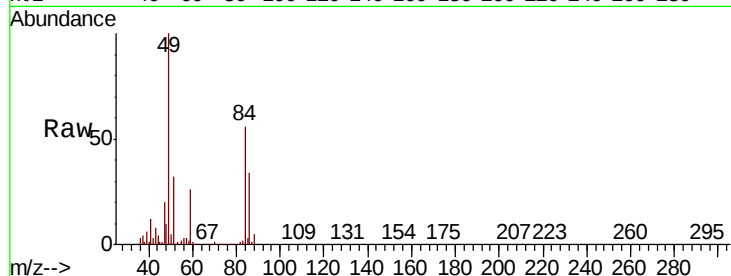




#20
Methylene Chloride
Concen: 2.426 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

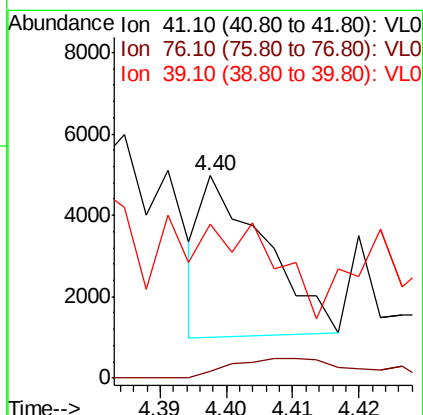
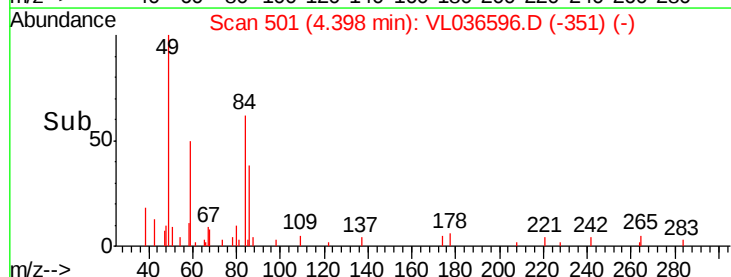
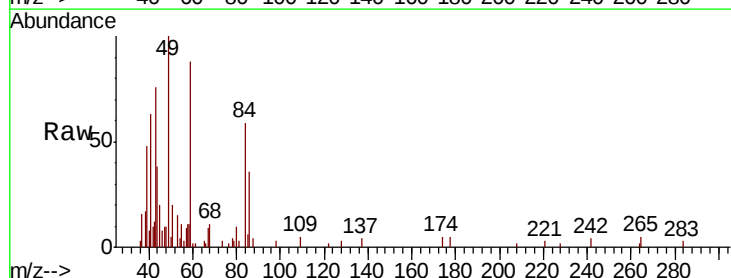
Instrument :
MSVOA_L
ClientSampled :

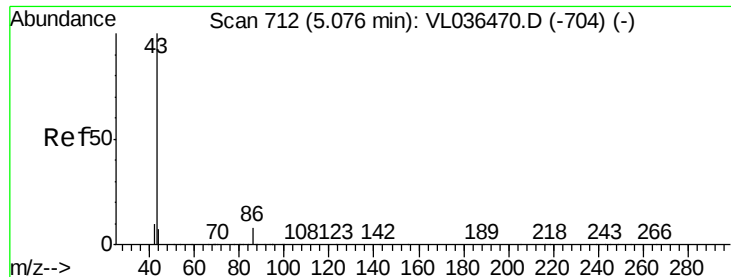
Tot Ion: 84 Resp: 172483
Ion Ratio Lower Upper
84 100
49 178.8 122.9 184.3
51 55.2 36.9 55.3
86 60.7 48.2 72.4



#21
Allyl Chloride
Concen: 0.022 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 41 Resp: 2625
Ion Ratio Lower Upper
41 100
76 0.0 22.9 34.3#
39 0.0 67.3 100.9#





#23

Vinyl Acetate

Concen: 0.327 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 84855

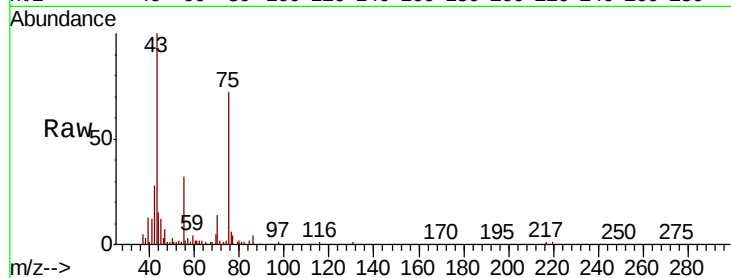
Ion Ratio Lower Upper

43 100

86 4.2 5.4 8.0#

42 25.9 8.5 12.7#

44 5.4 4.6 7.0

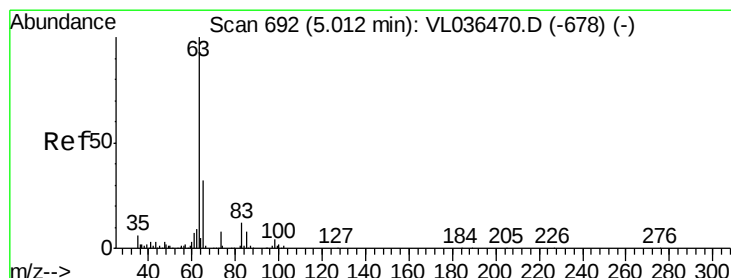
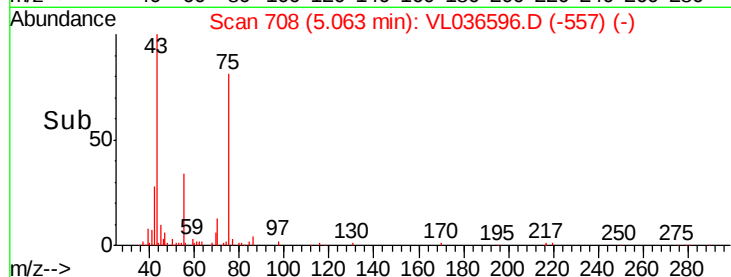
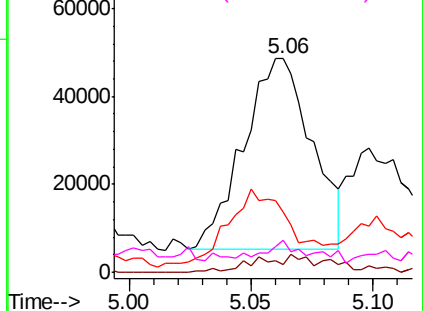


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.079 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

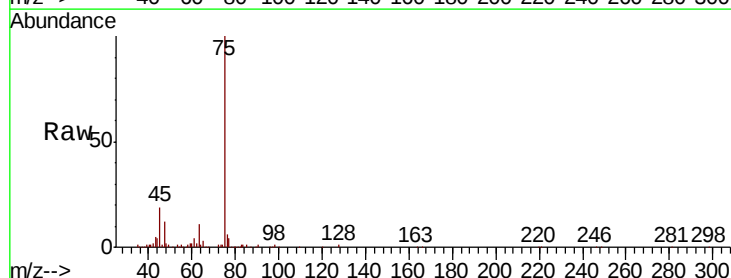
Tgt Ion: 63 Resp: 15045

Ion Ratio Lower Upper

63 100

98 6.3 2.1 6.2#

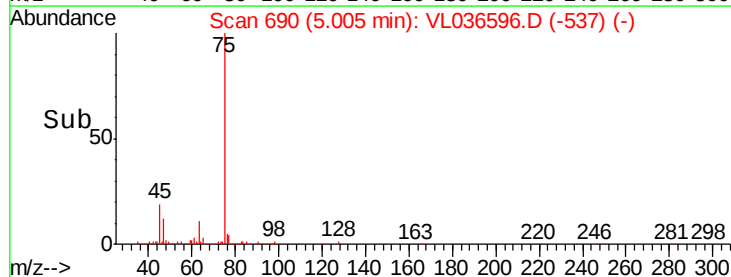
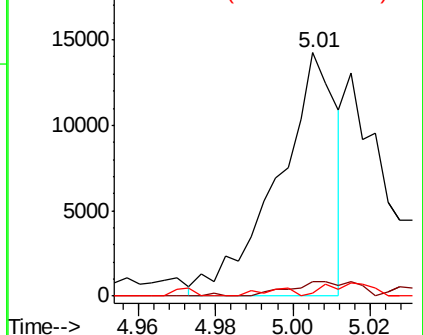
100 0.0 0.9 2.8#

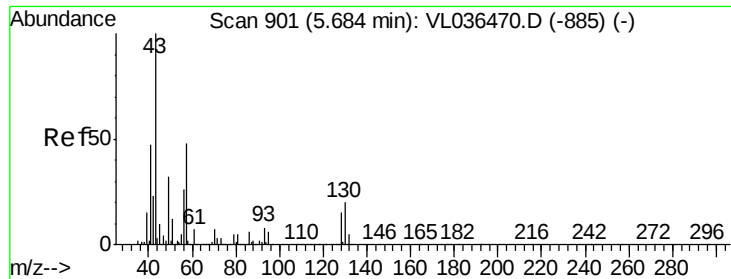


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

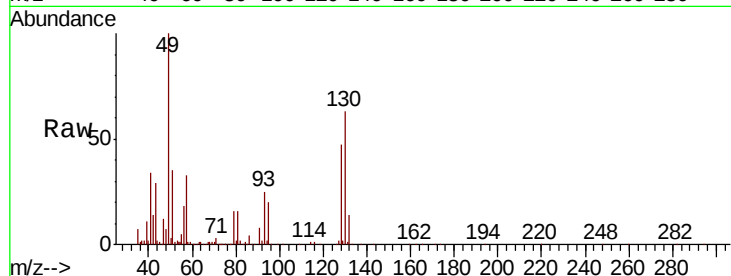




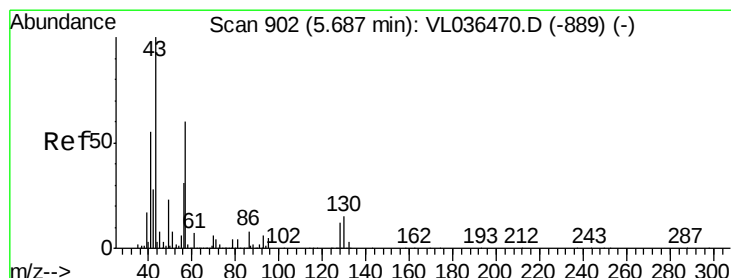
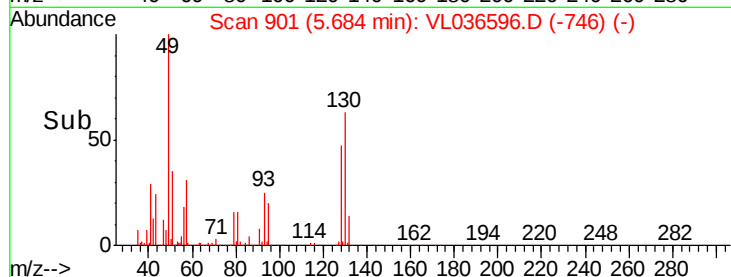
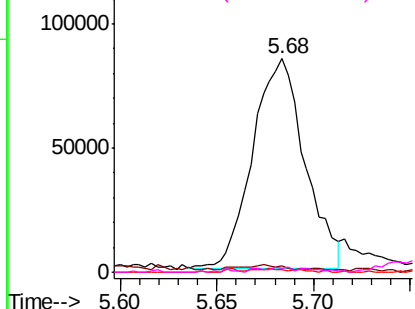
#25
Ethyl Acetate
Concen: 0.437 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	157637
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	1.9	7.4	11.2#
70	2.8	5.1	7.7#

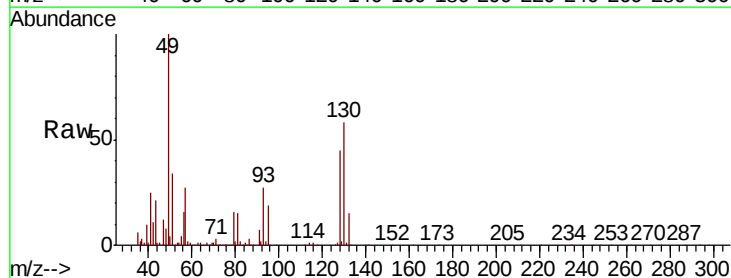


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

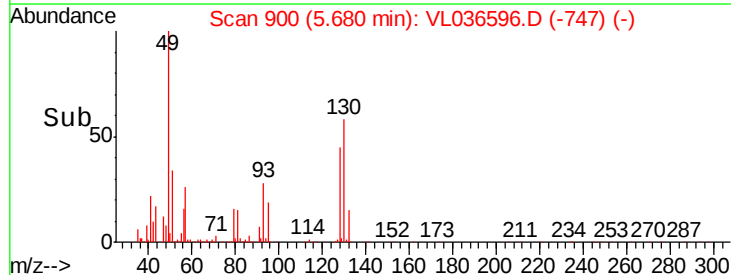
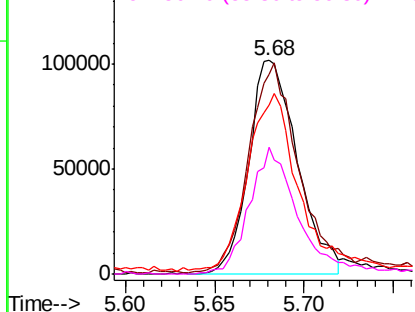


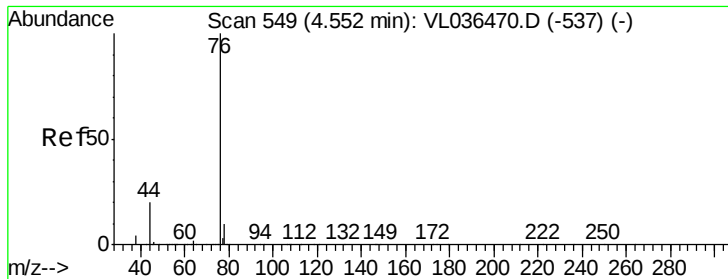
#26
Hexane
Concen: 1.156 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion:	57	Resp:	193702
Ion	Ratio	Lower	Upper
57	100		
41	108.7	77.2	115.8
43	94.7	173.8	260.6#
56	61.2	43.8	65.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.722 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

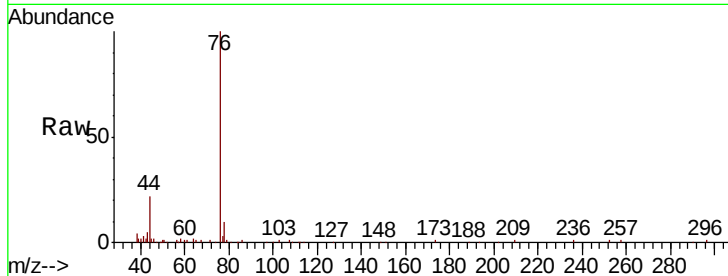
Instrument :

MSVOA_L

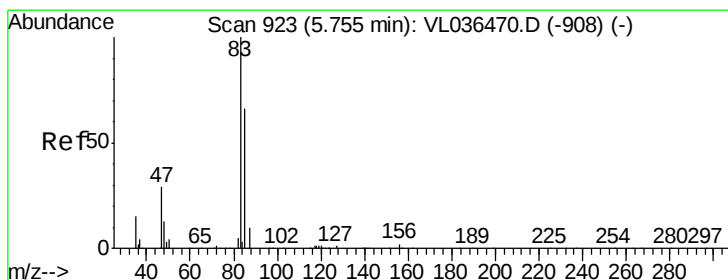
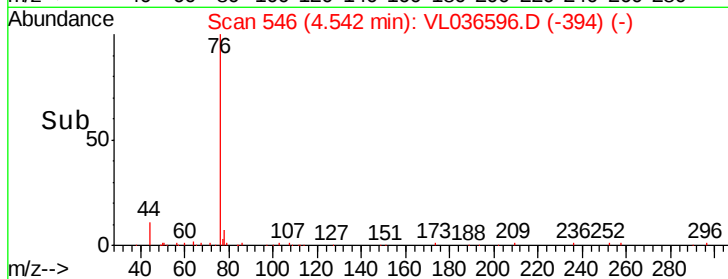
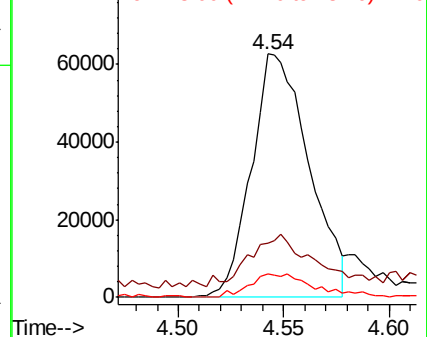
ClientSampleId :

Tot Ion: 76 Resp: 119140

Ion	Ratio	Lower	Upper
76	100		
44	29.6	17.5	26.3#
78	11.6	8.6	13.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 3.165 ppbv

RT: 5.75 min Scan# 922

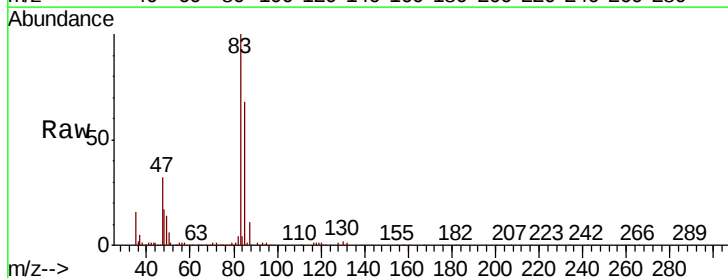
Delta R.T. -0.00 min

Lab File: VL036596.D

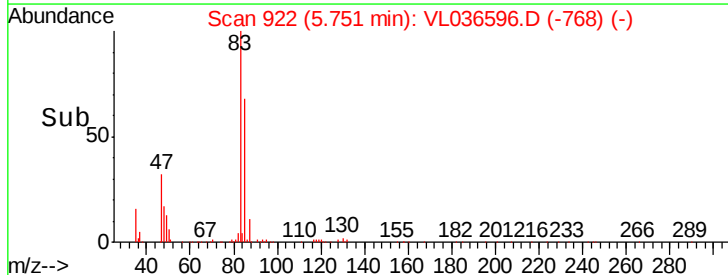
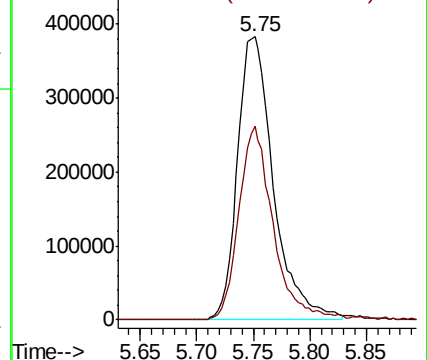
Acq: 31 Mar 2021 11:05

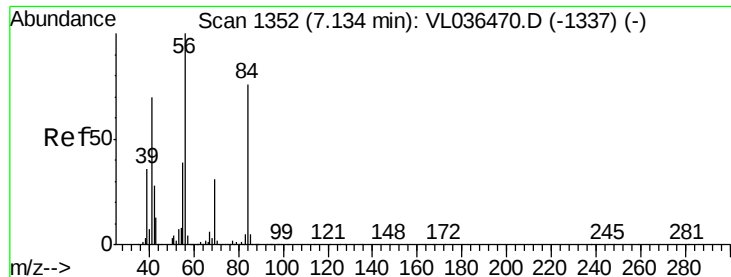
Tgt Ion: 83 Resp: 848138

Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.6	78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

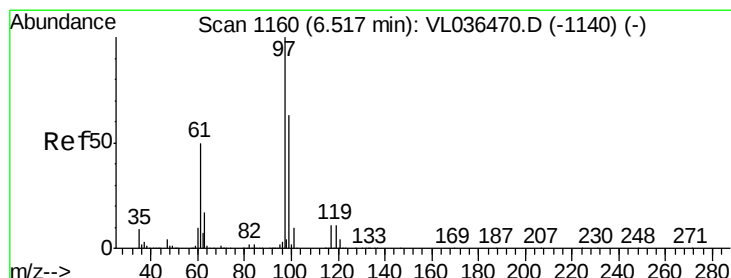
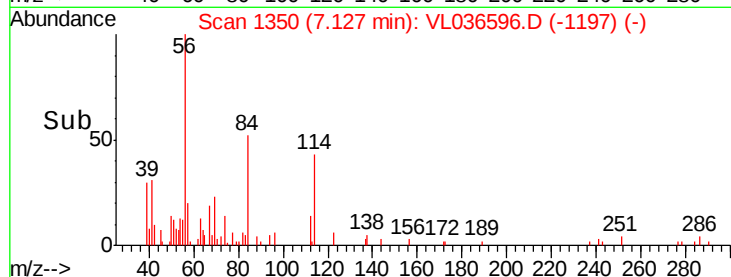
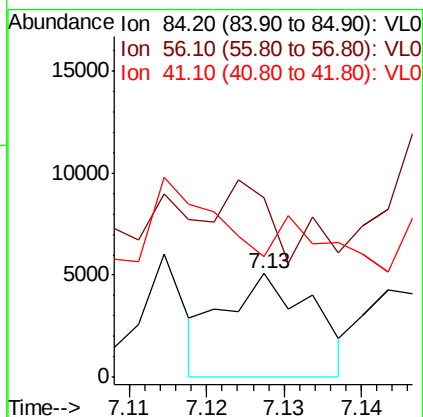
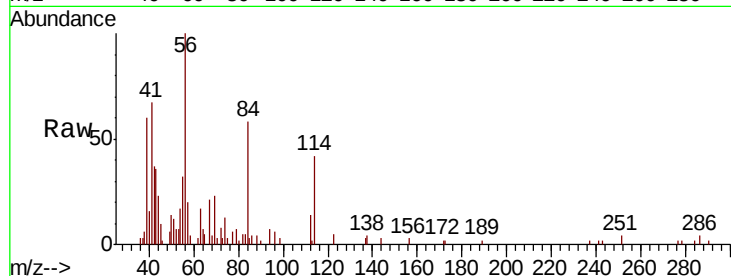




#30
Cyclohexane
Concen: 0.030 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

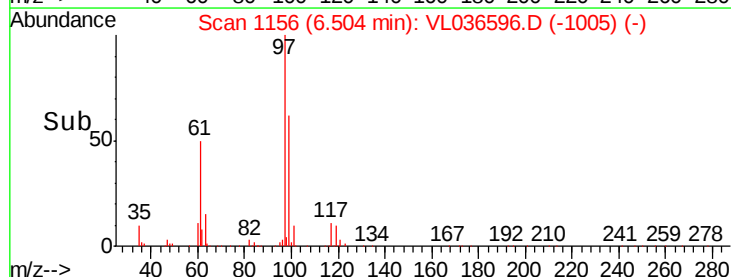
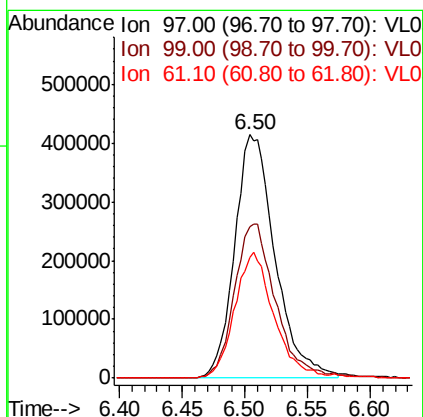
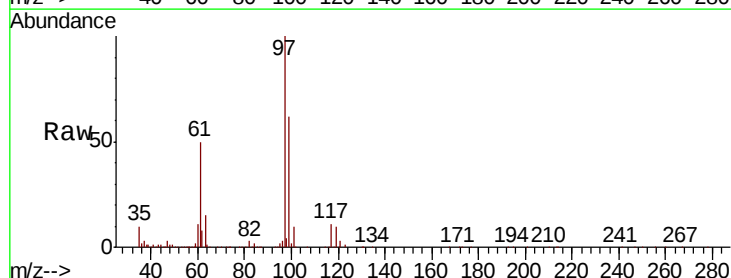
Instrument :
MSVOA_L
ClientSampled :

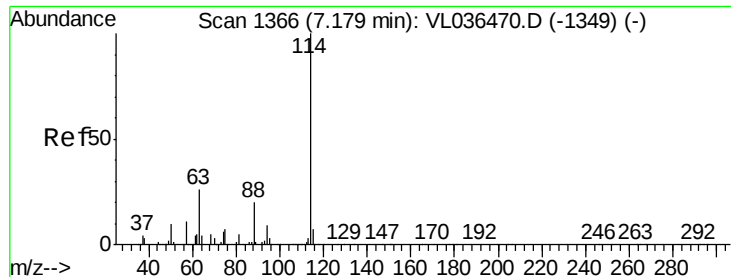
Tot Ion: 84 Resp: 4029
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 0.0 75.3 112.9#



#32
1,1,1-Trichloroethane
Concen: 3.447 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 97 Resp: 931052
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 51.0 40.6 60.8

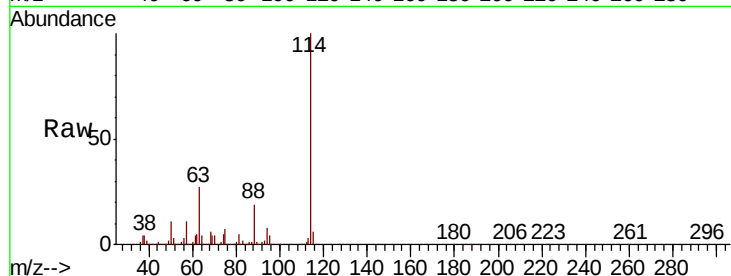




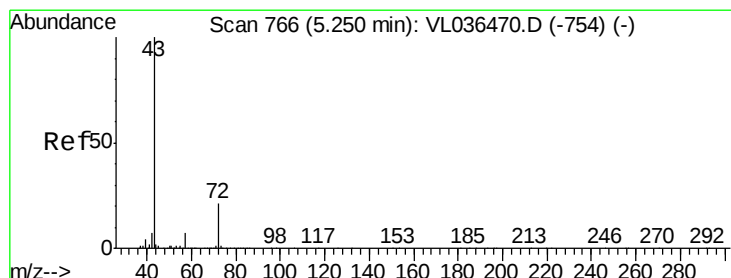
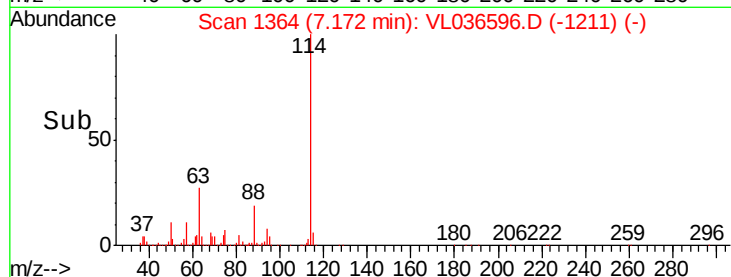
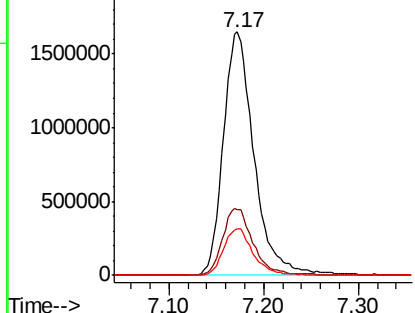
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036596.D
 Acq: 31 Mar 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3716070
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.4 33.6
 88 19.0 15.4 23.0

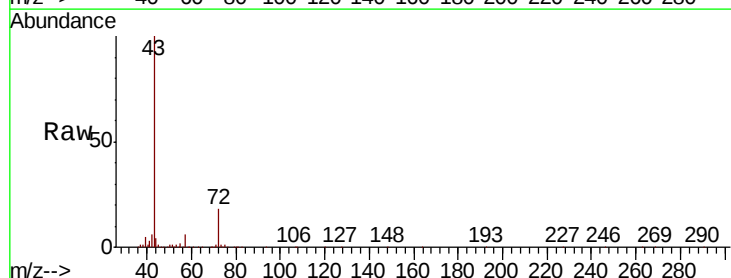


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

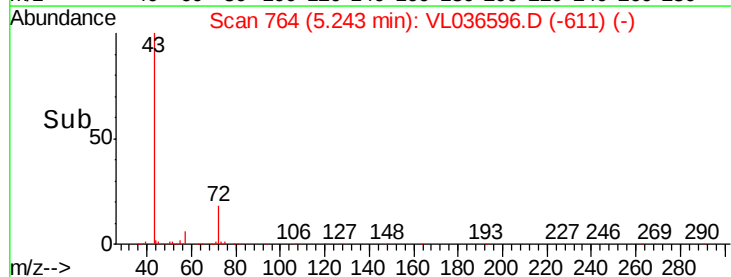
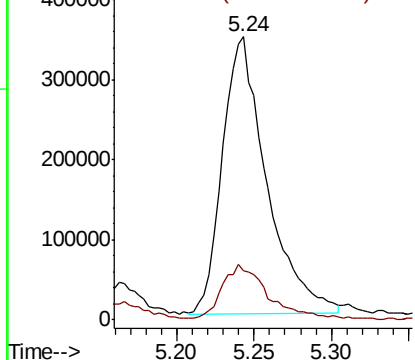


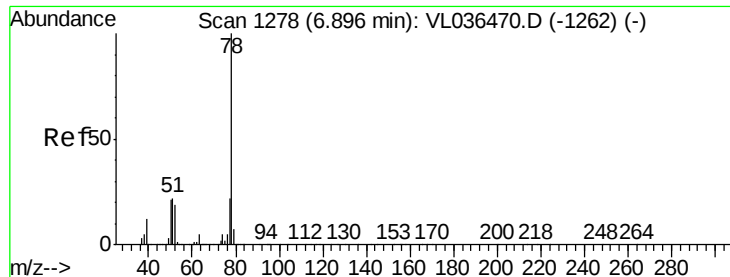
#34
 2-Butanone
 Concen: 3.785 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036596.D
 Acq: 31 Mar 2021 11:05

Tgt Ion: 43 Resp: 686569
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.0 25.6



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





#36

Benzene

Concen: 0.147 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

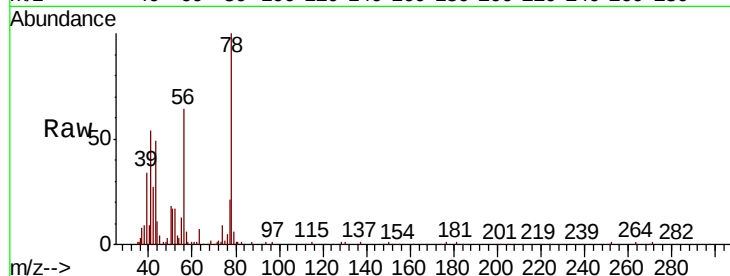
Tot Ion: 78 Resp: 50504

Ion Ratio Lower Upper

78 100

77 21.0 18.0 27.0

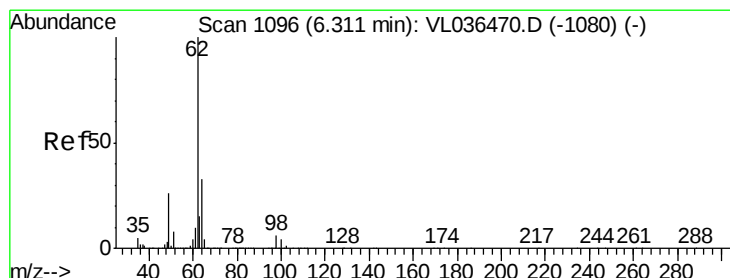
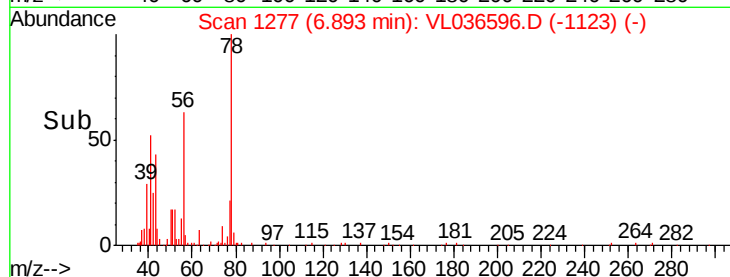
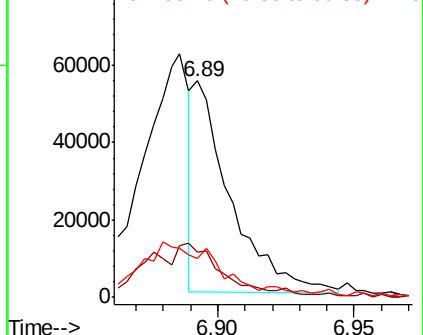
50 17.1 16.5 24.7



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: 0.058 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VL036596.D

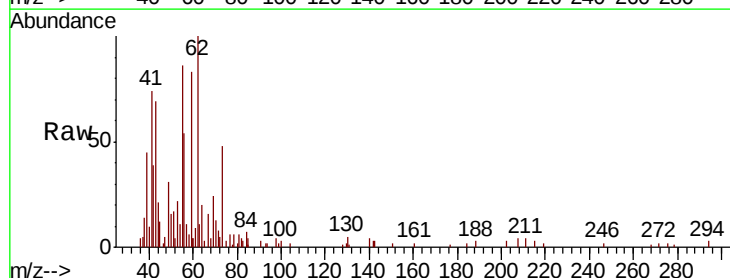
Acq: 31 Mar 2021 11:05

Tgt Ion: 62 Resp: 11630

Ion Ratio Lower Upper

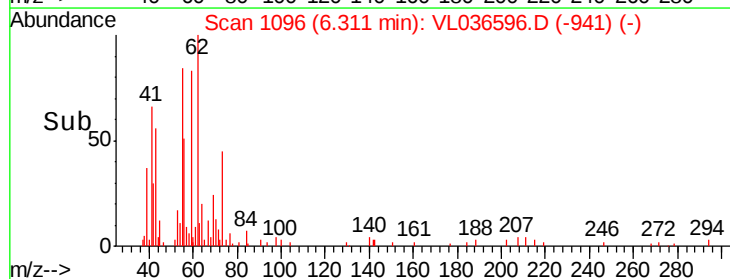
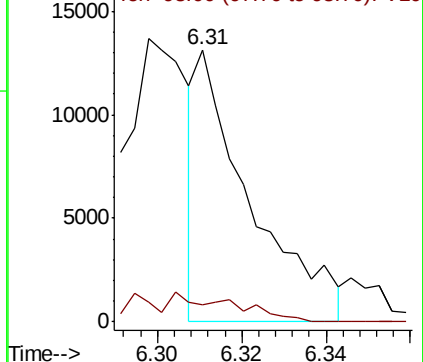
62 100

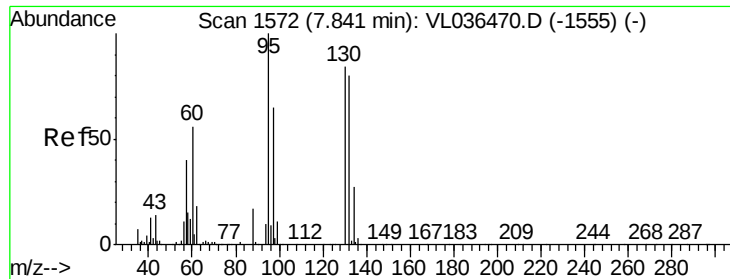
98 19.8 4.9 7.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

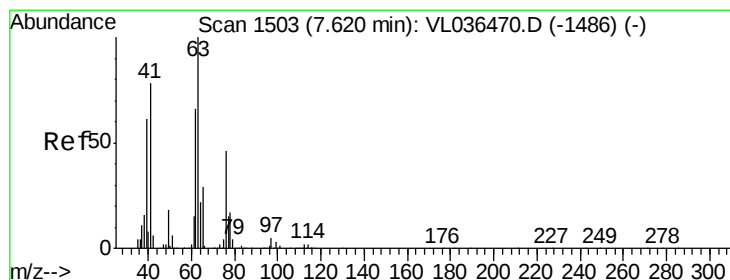
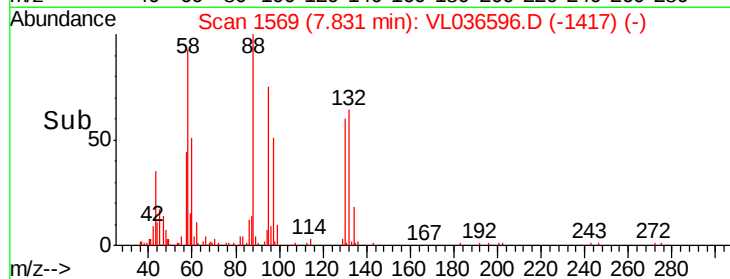
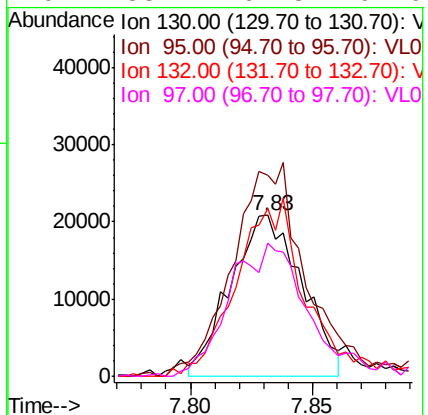
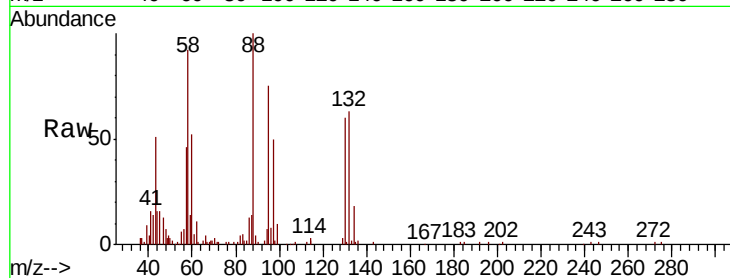




#38
 Trichloroethene
 Concen: 0.318 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL036596.D
 Acq: 31 Mar 2021 11:05

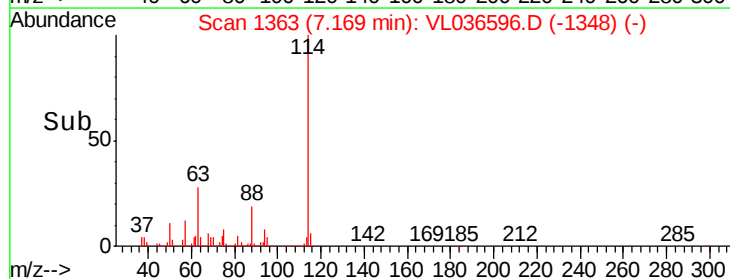
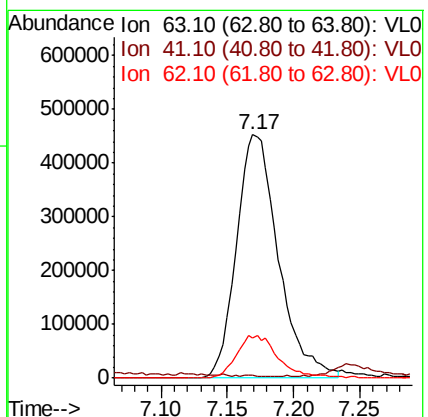
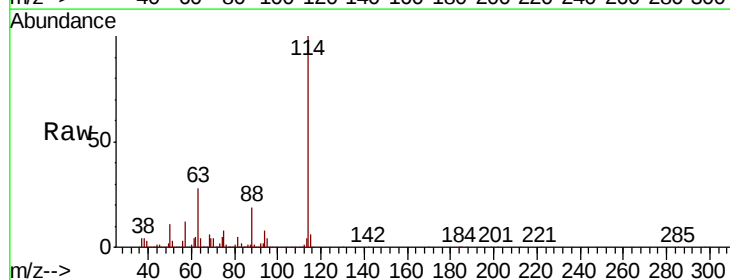
Instrument :
 MSVOA_L
 ClientSampleId :

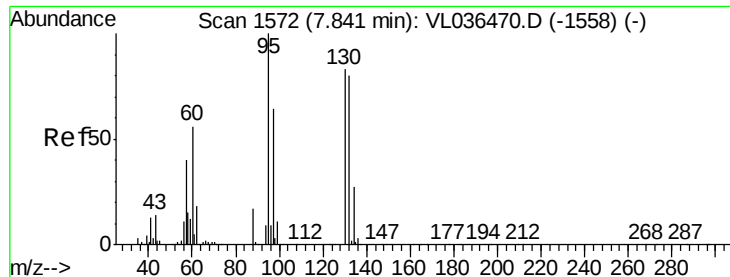
Tot Ion:130	Resp:	42410
Ion Ratio	Lower	Upper
130 100		
95 123.5	95.7	143.5
132 103.6	76.2	114.4
97 83.4	61.8	92.6



#39
 1,2-Dichloropropane
 Concen: 7.161 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL036596.D
 Acq: 31 Mar 2021 11:05

Tgt	Ion: 63	Resp:	995605
Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	16.2	52.8	79.2#

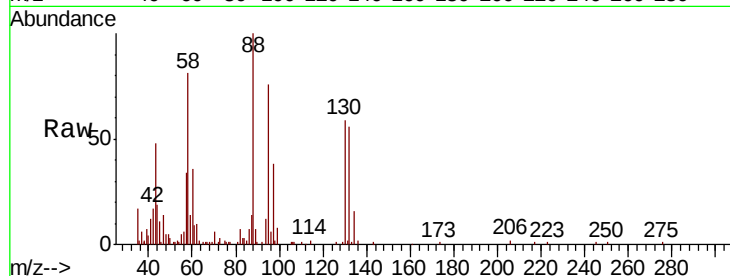




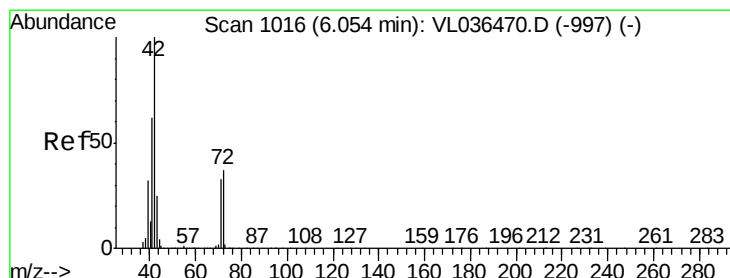
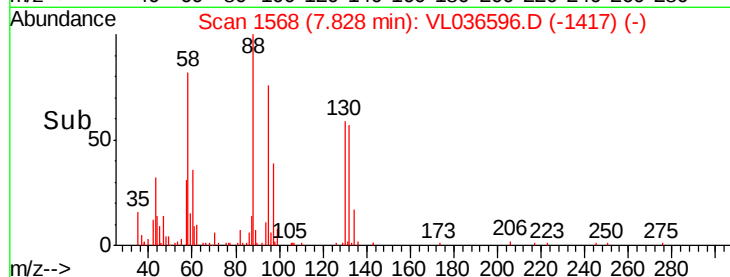
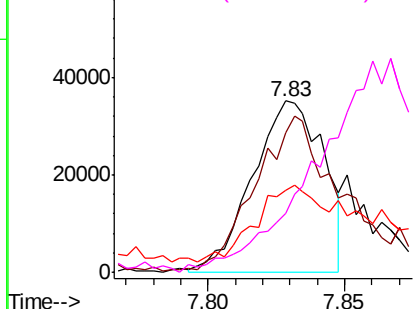
#40
1,4-Dioxane
Concen: 1.973 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 88 Resp: 63842
Ion Ratio Lower Upper
88 100
58 116.1 134.1 201.1#
43 80.6 346.6 520.0#
57 0.0 1481.8 2222.8#

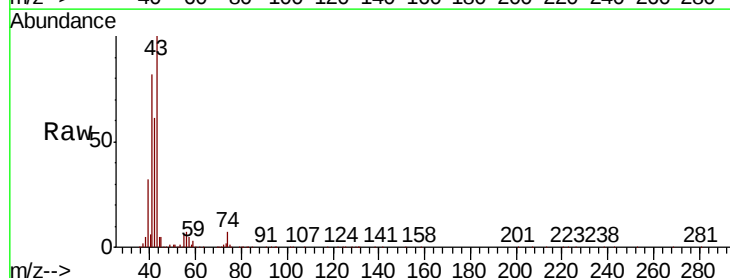


Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

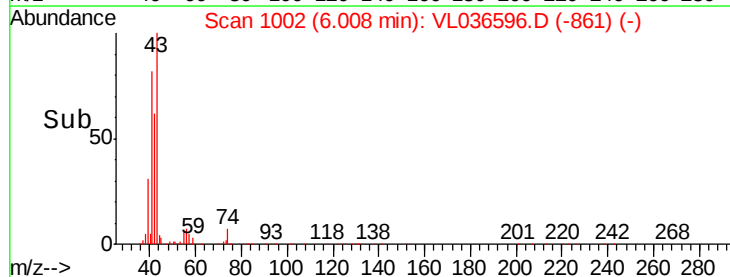
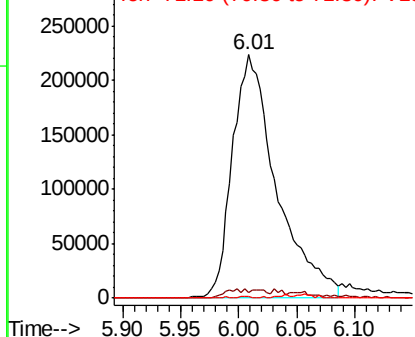


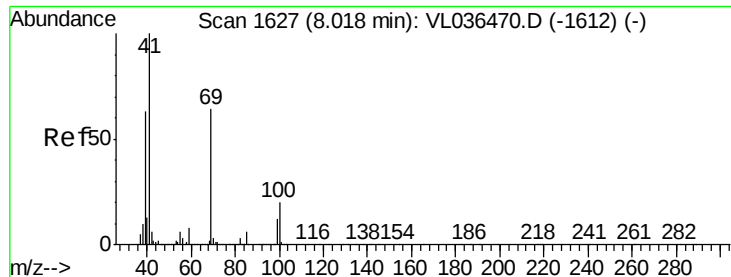
#41
Tetrahydrofuran
Concen: 7.054 ppbv
RT: 6.01 min Scan# 1002
Delta R.T. -0.05 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 42 Resp: 589951
Ion Ratio Lower Upper
42 100
72 6.0 27.6 41.4#
71 0.3 27.0 40.4#



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

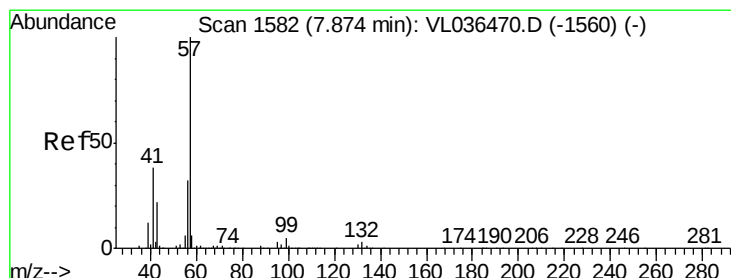
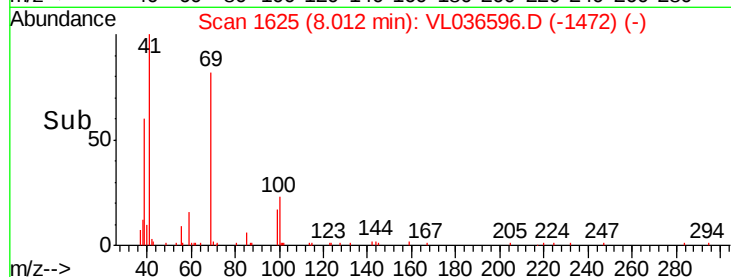
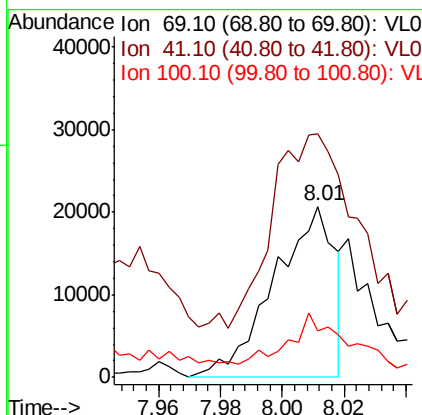
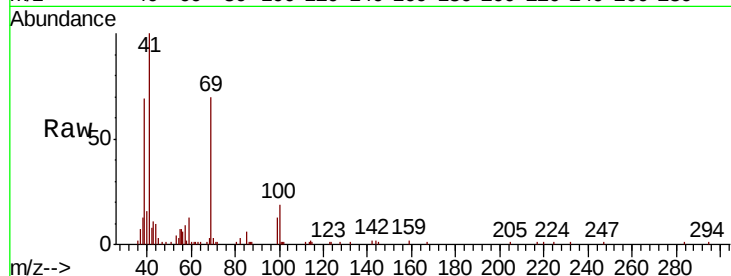




#43
Methyl Methacrylate
Concen: 0.245 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

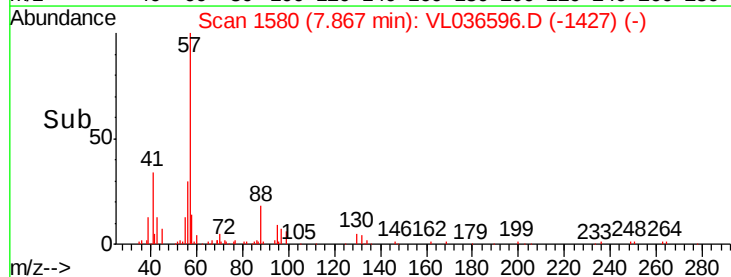
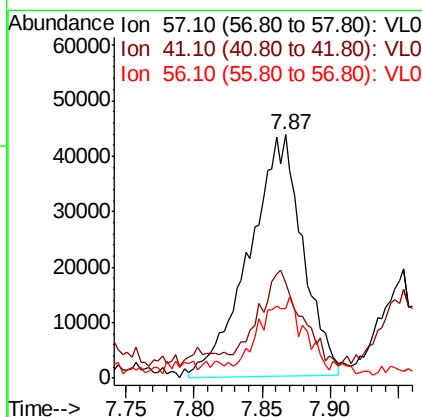
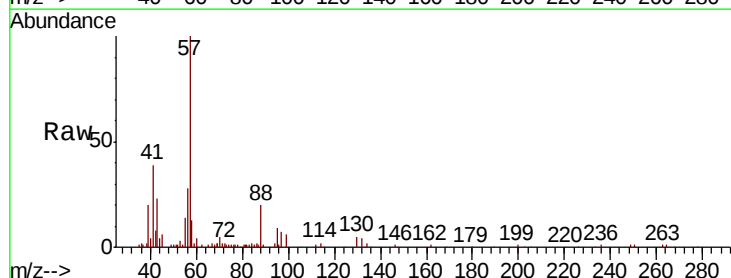
Instrument :
MSVOA_L
ClientSampled :

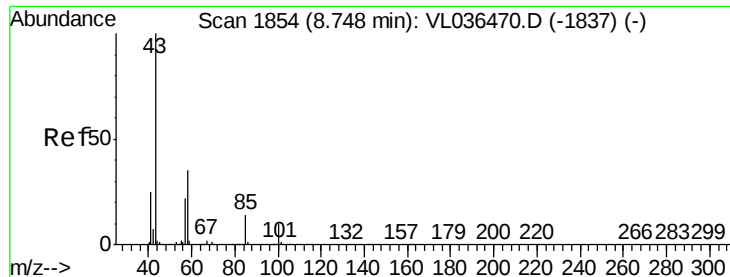
Tot Ion: 69 Resp: 28250
Ion Ratio Lower Upper
69 100
41 234.7 126.8 190.2#
100 54.5 24.9 37.3#



#44
2,2,4-Trimethylpentane
Concen: 0.197 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 57 Resp: 118601
Ion Ratio Lower Upper
57 100
41 43.1 28.8 43.2
56 37.2 26.1 39.1

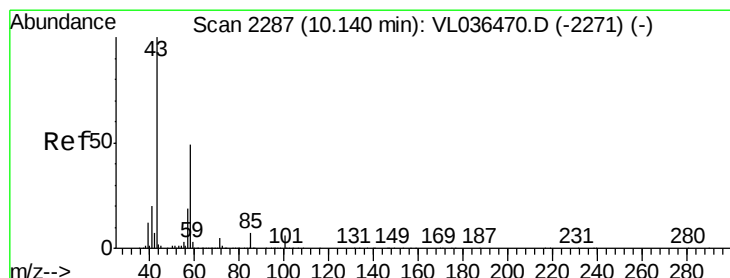
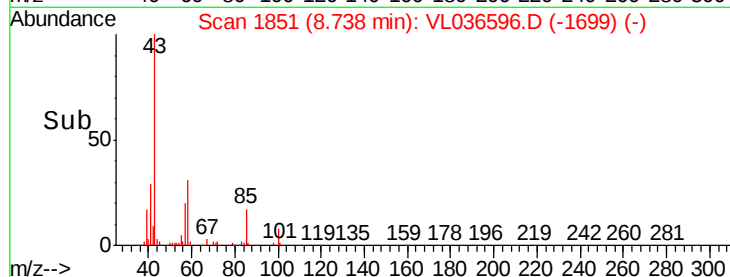
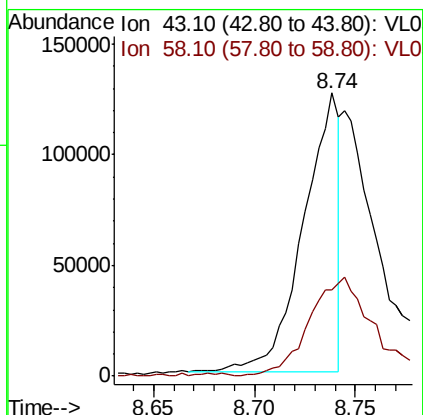
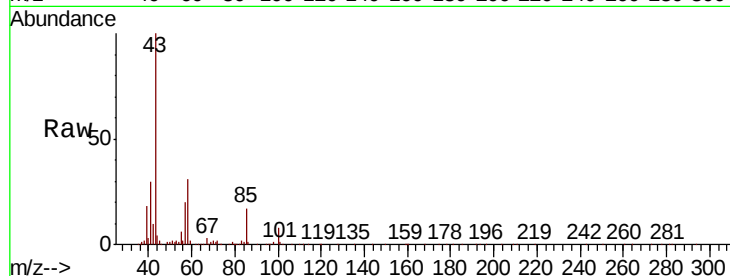




#50
4-Methyl-2-Pentanone
Concen: 0.586 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

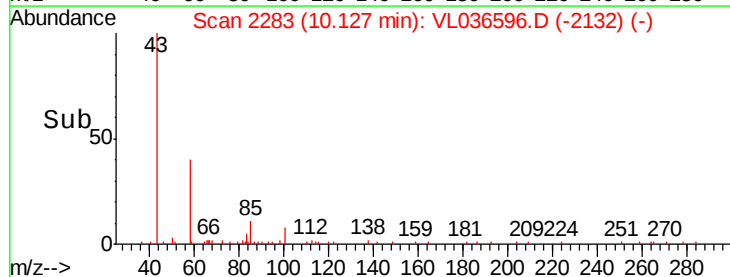
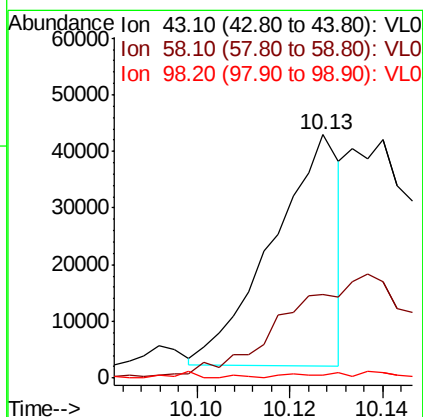
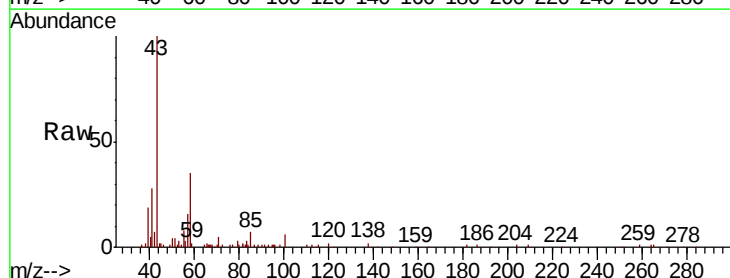
Instrument :
MSVOA_L
ClientSampled :

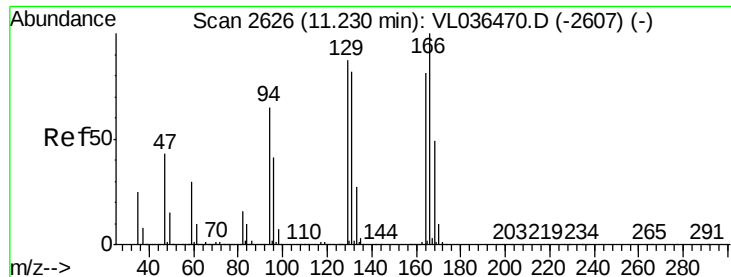
Tot Ion: 43 Resp: 153824
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#51
2-Hexanone
Concen: 0.314 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 43 Resp: 41535
Ion Ratio Lower Upper
43 100
58 0.0 37.7 56.5#
98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 1.693 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 213675

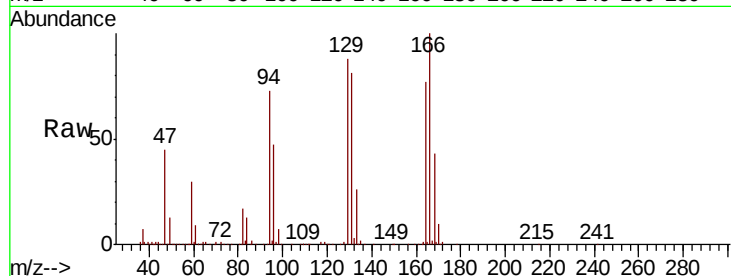
Ion Ratio Lower Upper

164 100

166 130.4 98.3 147.5

129 114.4 85.8 128.8

131 105.6 80.9 121.3

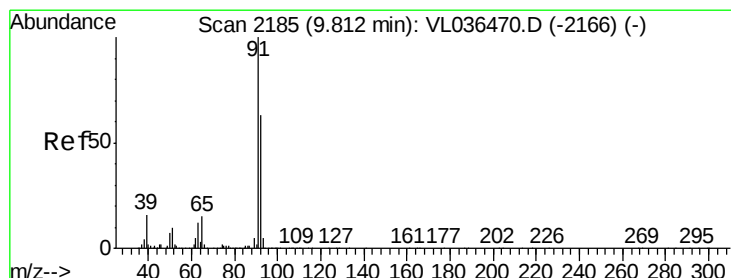
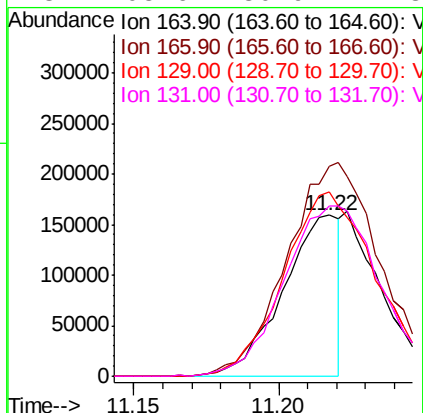
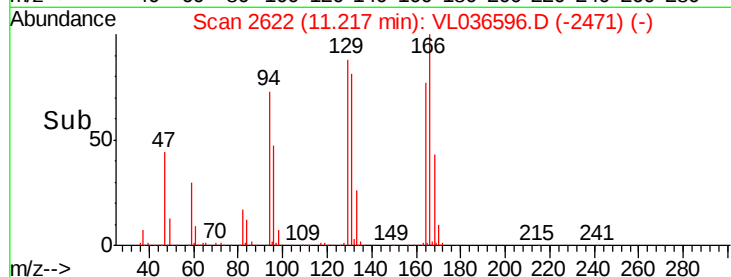


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.365 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036596.D

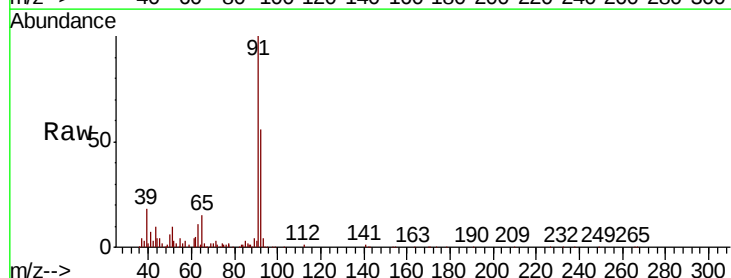
Acq: 31 Mar 2021 11:05

Tgt Ion: 91 Resp: 133162

Ion Ratio Lower Upper

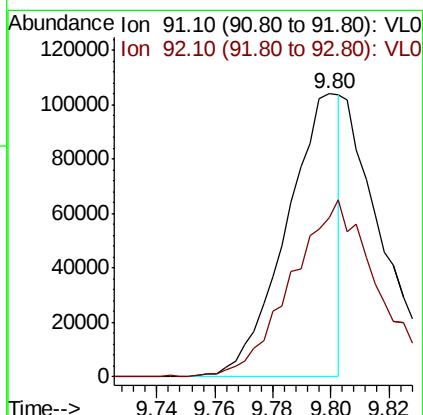
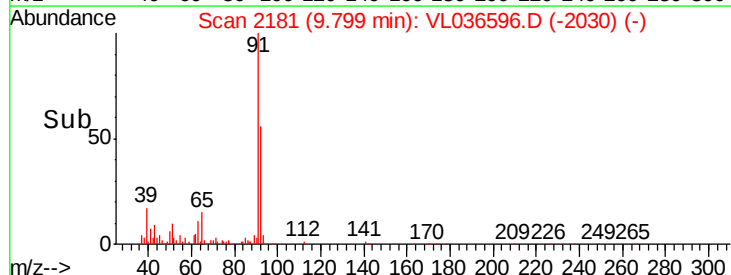
91 100

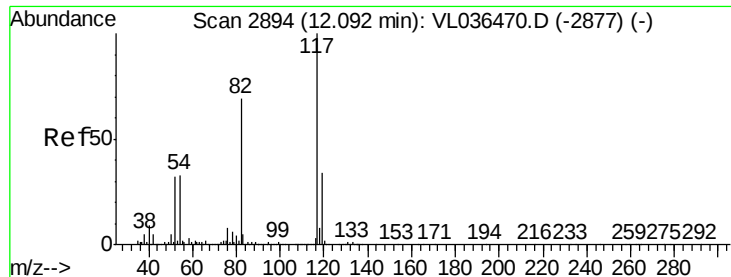
92 104.0 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

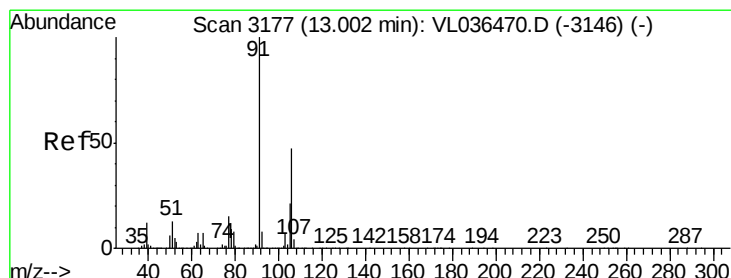
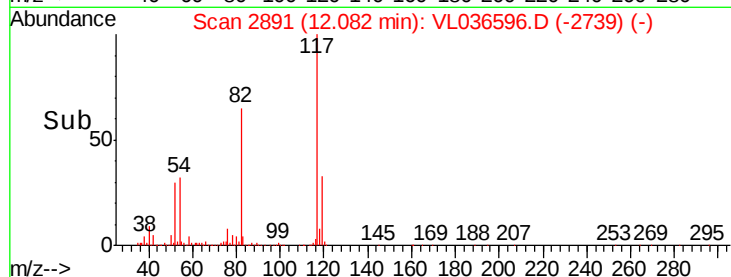
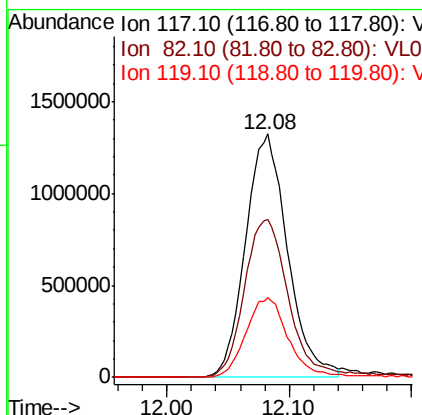
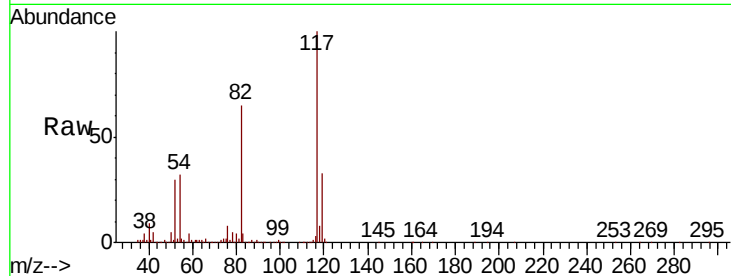




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

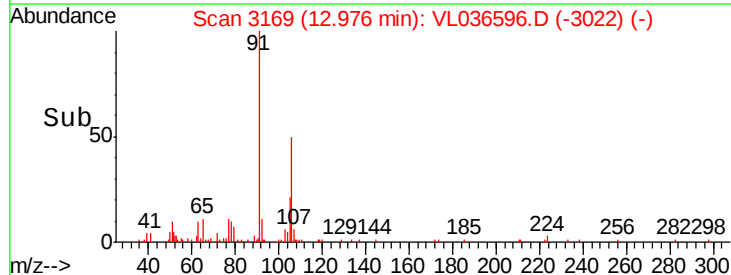
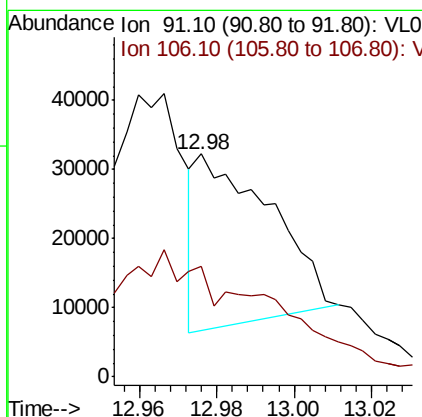
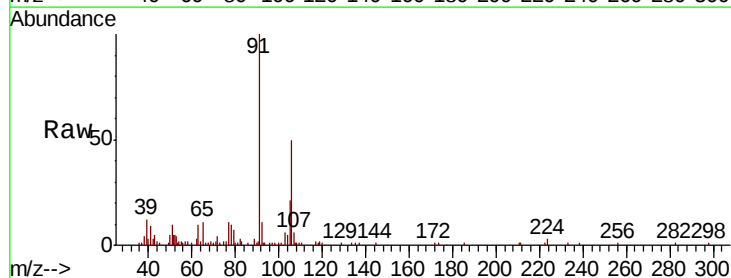
Instrument :
MSVOA_L
ClientSampleId :

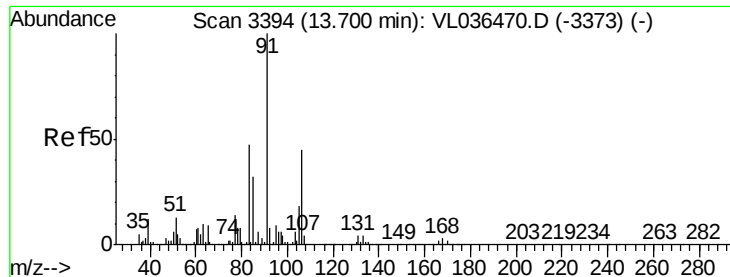
Tot Ion:117 Resp: 3155506
Ion Ratio Lower Upper
117 100
82 70.0 57.4 86.0
119 33.7 47.4 71.0#



#59
m/p-Xylene
Concen: 0.082 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 91 Resp: 32900
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

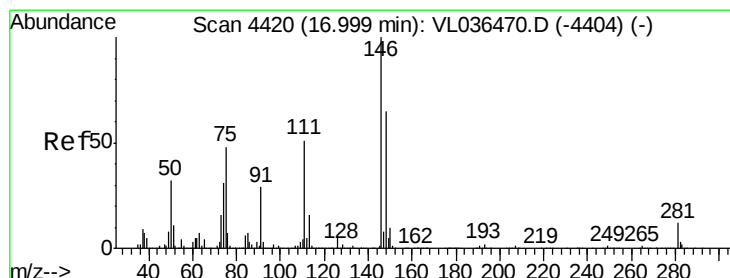
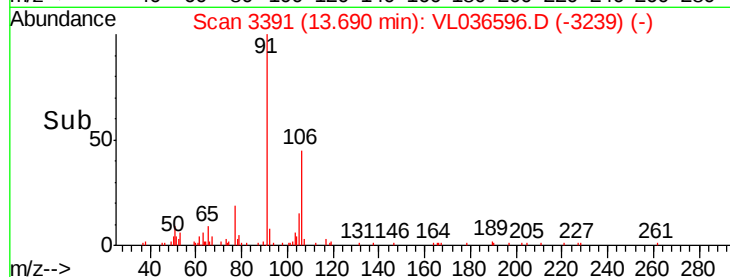
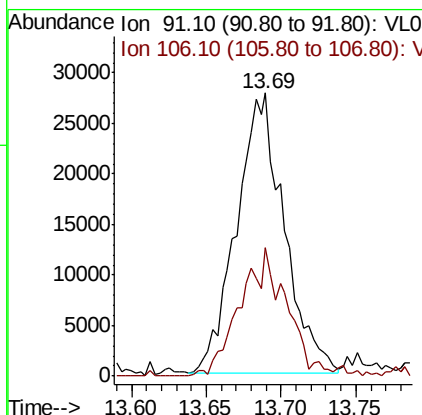
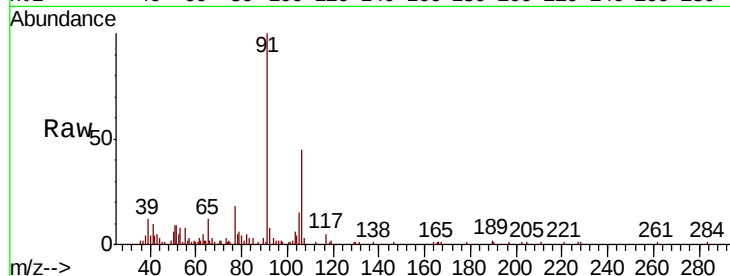




#60
o-Xylene
Concen: 0.159 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

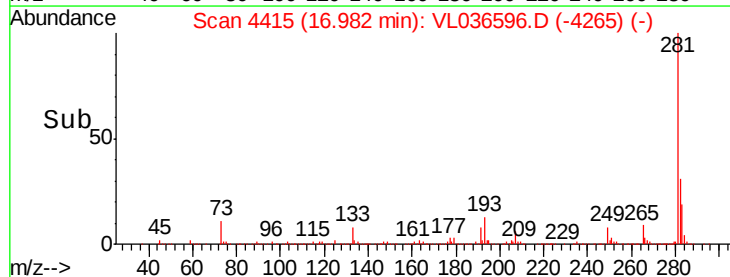
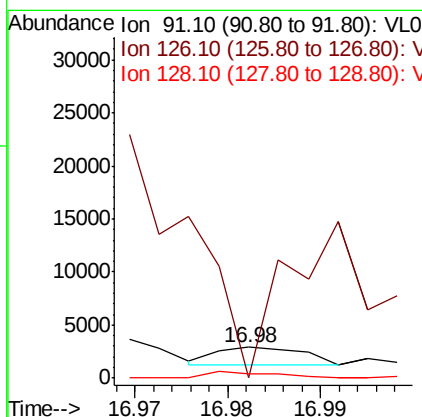
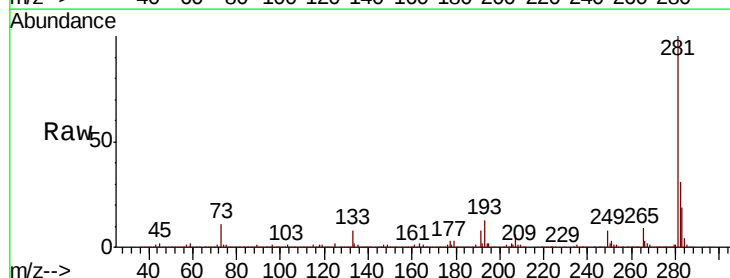
Instrument :
MSVOA_L
ClientSampled :

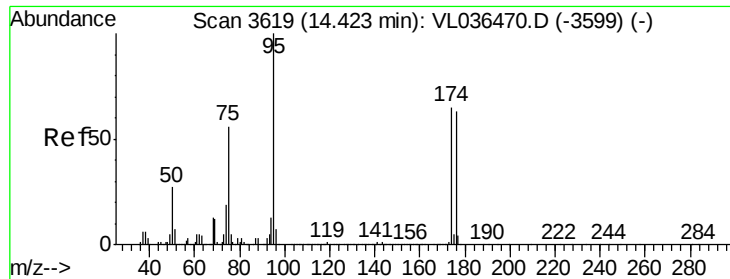
Tot Ion: 91 Resp: 61720
Ion Ratio Lower Upper
91 100
106 45.3 22.3 66.9



#66
Benzyl Chloride
Concen: 0.022 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.02 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion: 91 Resp: 1081
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 32.7 4.2 6.4#



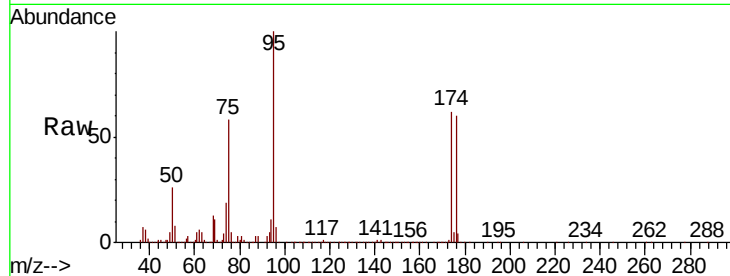


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.426 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.01 min
 Lab File: VL036596.D
 Acq: 31 Mar 2021 11:05

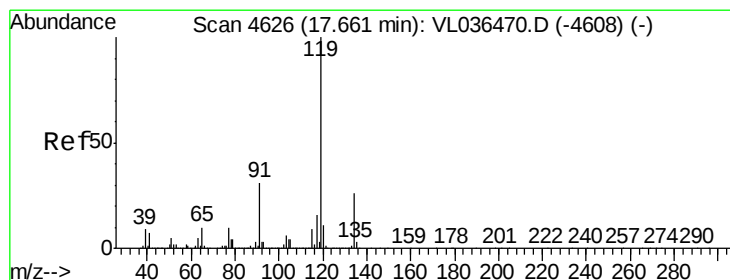
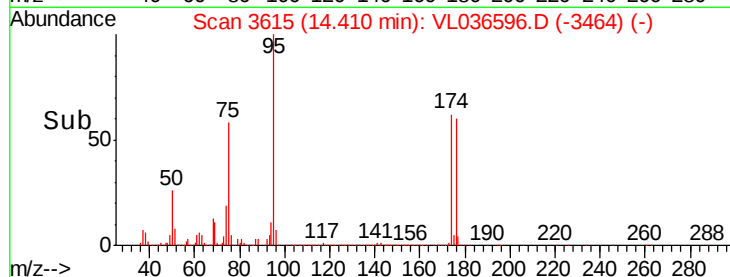
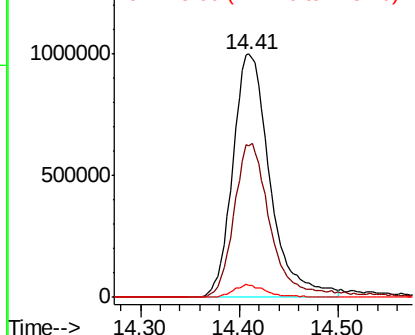
Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 2622009

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.0	76.6
175	4.7	3.9	5.9



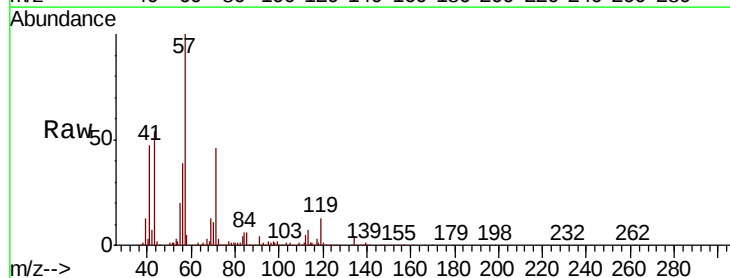
Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



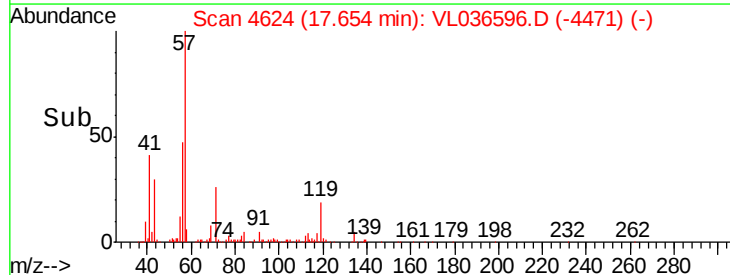
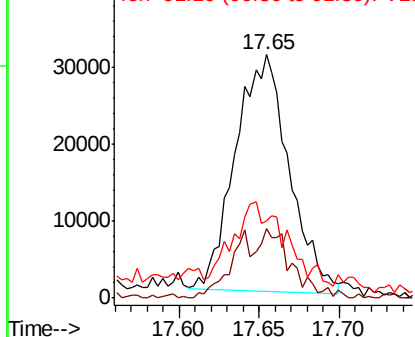
#69
 p-Isopropyltoluene
 Concen: 0.142 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL036596.D
 Acq: 31 Mar 2021 11:05

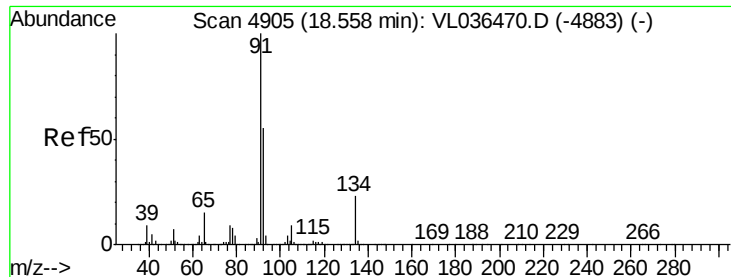
Tgt Ion: 119 Resp: 70784

Ion	Ratio	Lower	Upper
119	100		
134	30.0	20.6	30.8
91	53.0	25.0	37.6



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

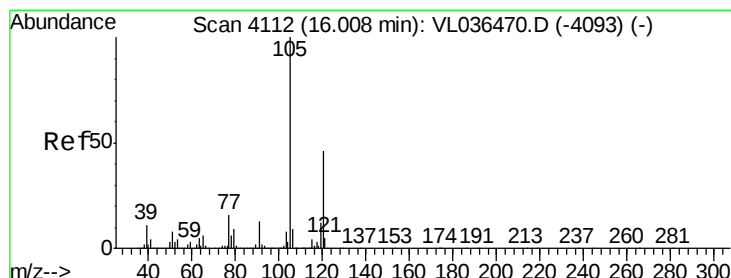
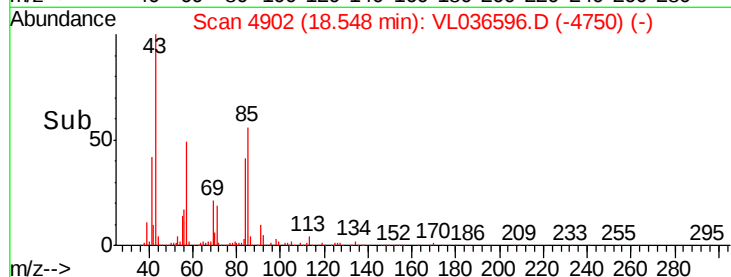
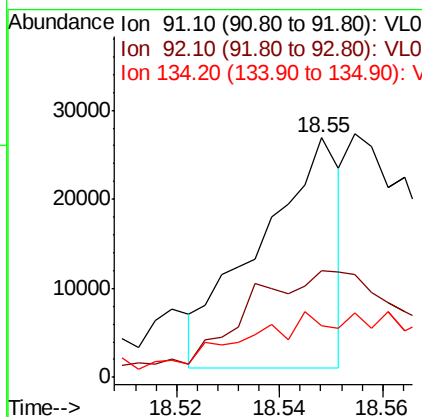
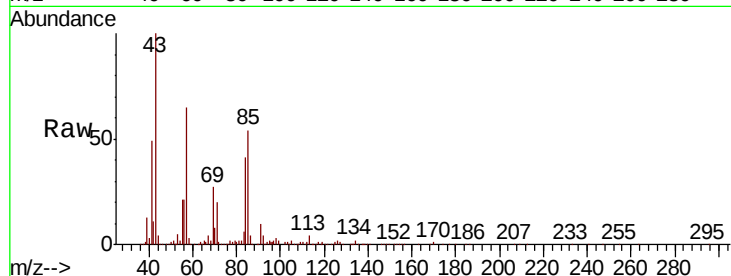




#70
n-Butylbenzene
Concen: 0.054 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

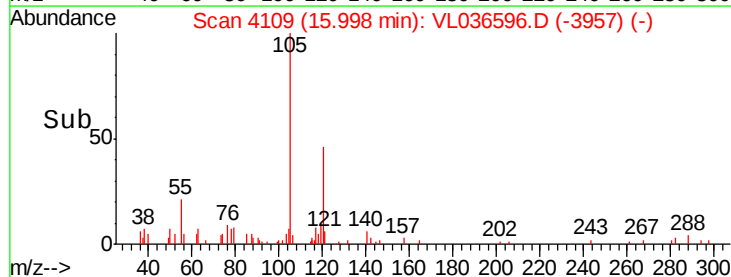
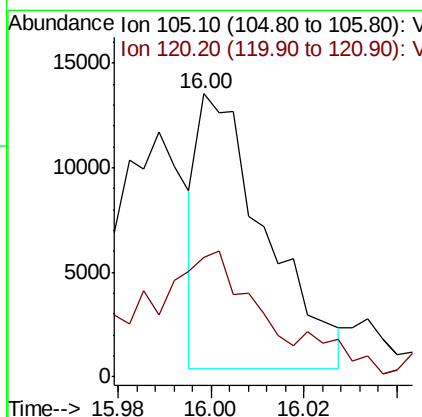
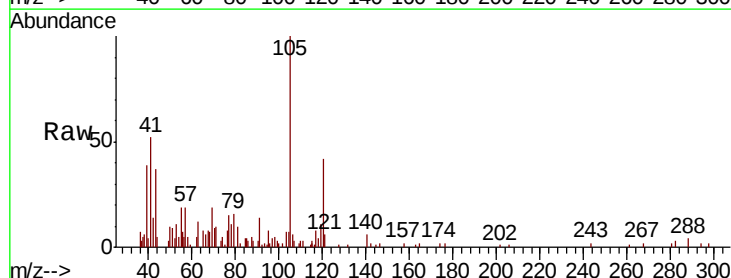
Instrument :
MSVOA_L
ClientSampled :

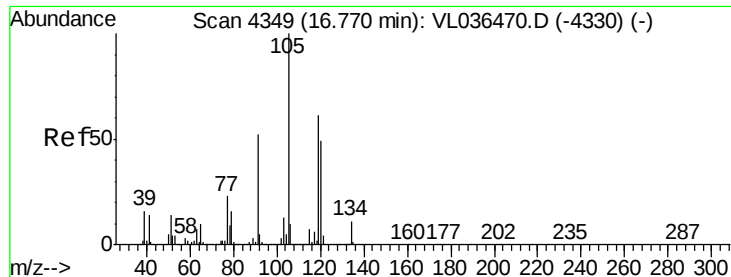
Tot Ion: 91 Resp: 28062
Ion Ratio Lower Upper
91 100
92 115.6 43.8 65.8#
134 0.0 18.0 27.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.034 ppbv
RT: 16.00 min Scan# 4109
Delta R.T. -0.01 min
Lab File: VL036596.D
Acq: 31 Mar 2021 11:05

Tgt Ion:105 Resp: 13300
Ion Ratio Lower Upper
105 100
120 34.8 36.6 54.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.203 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.01 min

Lab File: VL036596.D

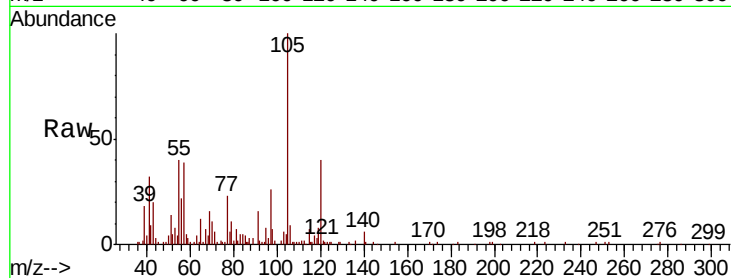
Acq: 31 Mar 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	85838
Ion	Ratio	Lower	Upper
105	100		
120	39.9	39.2	58.8
91	12.8	42.6	64.0#
77	20.4	18.6	28.0

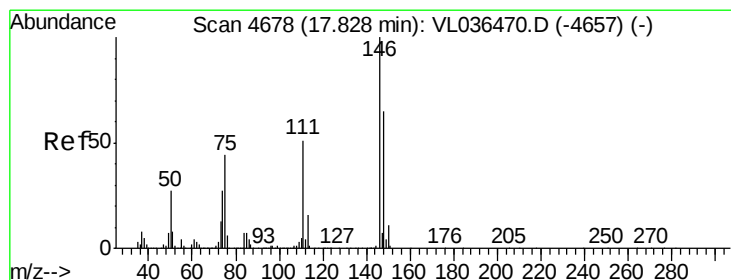
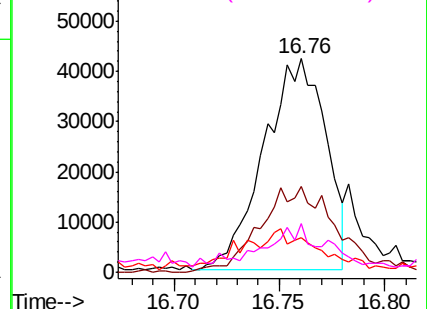
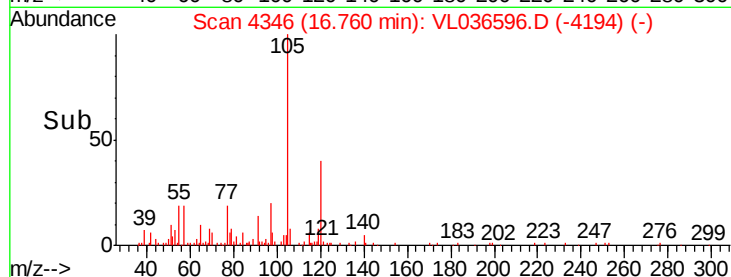


Abundance Ion 105.10 (104.80 to 105.80): V

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



#77

1,2-Dichlorobenzene

Concen: 0.032 ppbv

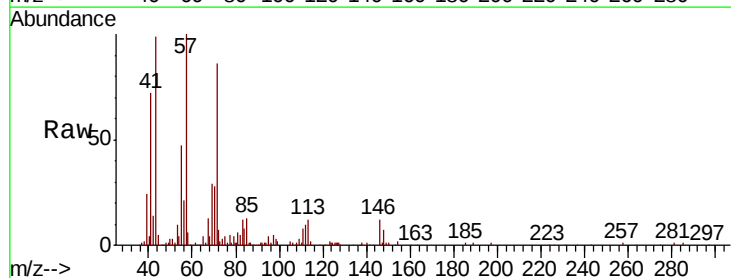
RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

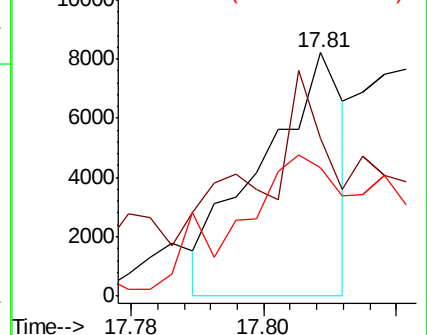
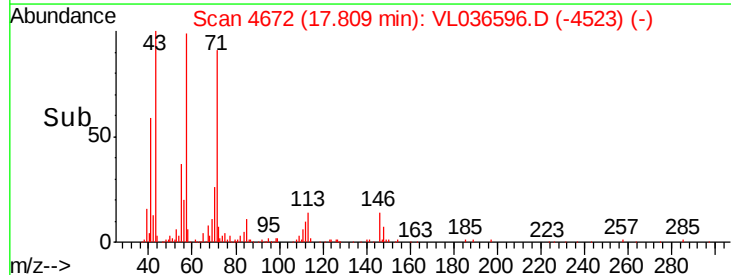
Tgt Ion:	146	Resp:	7074
Ion	Ratio	Lower	Upper
146	100		
111	242.8	25.5	76.5#
148	172.2	32.9	98.6#

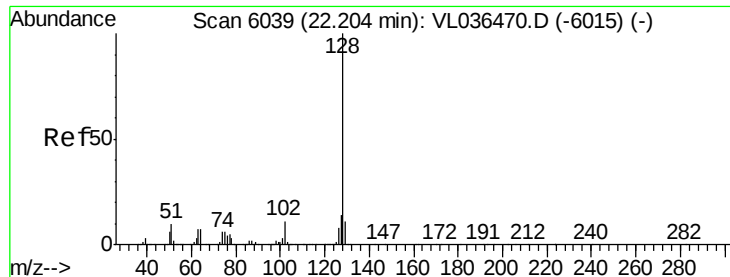


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 2.171 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

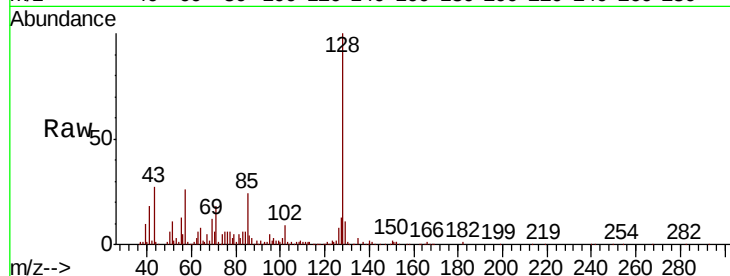
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 536757

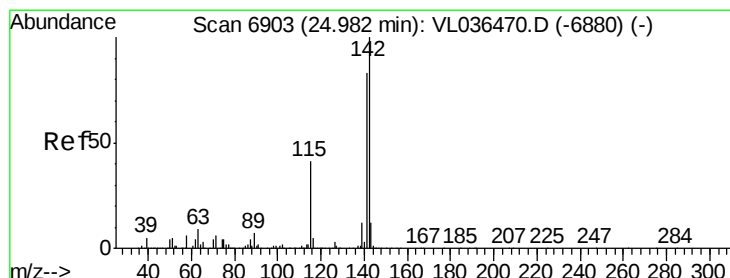
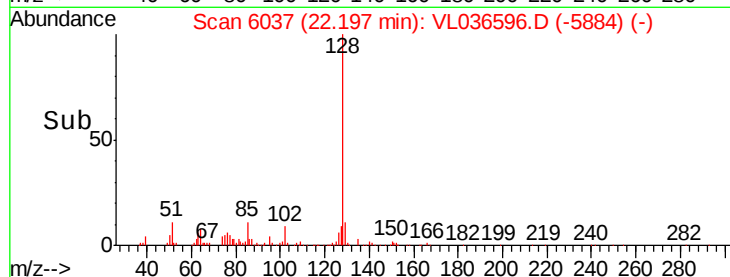
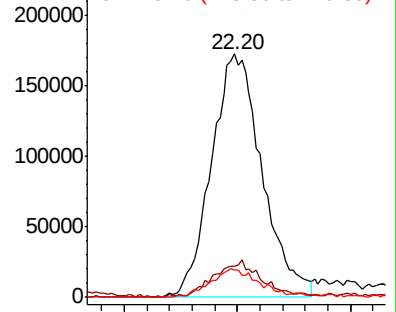
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.9	16.3
129	10.8	9.0	13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.029 ppbv

RT: 24.98 min Scan# 6902

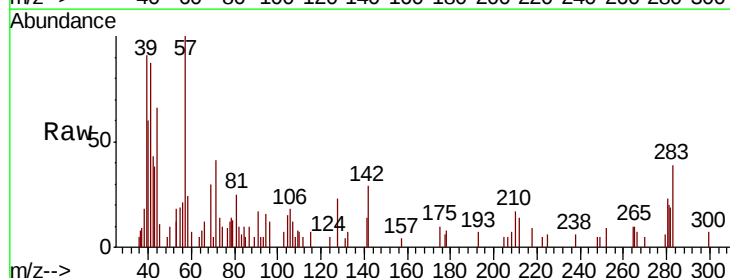
Delta R.T. -0.00 min

Lab File: VL036596.D

Acq: 31 Mar 2021 11:05

Tgt Ion:142 Resp: 1416

Ion	Ratio	Lower	Upper
142	100		
141	101.0	67.8	101.8
115	66.3	34.0	51.0



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

