

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036724.D
 Acq On : 7 Apr 2021 11:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Apr 08 01:30:01 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	1225841	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3100160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3607666	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2434997	8.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1894935	9.478	ppbv 97
3) Chlorodifluoromethane	2.98	51	2350428	10.262	ppbv 100
4) Chloromethane	3.14	50	765027	9.457	ppbv 97
5) Vinyl Chloride	3.26	62	743416	8.937	ppbv 96
6) Bromomethane	3.47	94	402985	8.799	ppbv 95
7) Chloroethane	3.55	64	263273	9.211	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	1814533	9.509	ppbv 98
9) Propene	3.01	41	700205	9.590	ppbv 99
10) Heptane	8.12	43	1839069	9.887	ppbv 99
11) Trichlorofluoromethane	3.94	101	1836817	9.015	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1202541	9.231	ppbv 99
13) Ethanol	3.61	45	33562	3.860	ppbv # 10
14) Bromoethene	3.74	108	493351	9.109	ppbv 99
15) Acetone	3.85	43	1065633	8.832	ppbv 99
16) 1,3-Butadiene	3.32	39	808842	9.629	ppbv 96
17) tert-Butyl alcohol	4.29	59	1060540	10.098	ppbv 100
18) 1,1-Dichloroethene	4.29	96	520913	8.989	ppbv 99
19) Isopropyl Alcohol	3.96	45	602488	9.078	ppbv # 97
20) Methylene Chloride	4.34	84	438804	7.768	ppbv 97
21) Allyl Chloride	4.41	41	812580	8.449	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	514929	9.585	ppbv 97
23) Vinyl Acetate	5.07	43	1955098	9.473	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1386117	9.214	ppbv 98
25) Ethyl Acetate	5.68	43	2722662	9.492	ppbv 99
26) Hexane	5.68	57	1319444	9.912	ppbv 97
27) Carbon Disulfide	4.55	76	1236150	9.427	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1419252	9.041	ppbv 97
29) Chloroform	5.75	83	2087337	9.805	ppbv 98
30) Cyclohexane	7.13	84	1107725	10.261	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1258868	9.778	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2094351	9.762	ppbv 99
34) 2-Butanone	5.24	43	1298215	8.579	ppbv 98
35) Carbon Tetrachloride	7.01	117	2161747	9.079	ppbv 98
36) Benzene	6.89	78	2742451	9.592	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1580293	9.391	ppbv 100
38) Trichloroethene	7.83	130	1004159	9.024	ppbv 93
39) 1,2-Dichloropropane	7.61	63	1063820	9.172	ppbv 99
40) 1,4-Dioxane	7.83	88	117540	4.354	ppbv # 1
41) Tetrahydrofuran	6.05	42	547043	7.840	ppbv 93
42) Bromodichloromethane	7.79	83	2193850	9.584	ppbv 98
43) Methyl Methacrylate	8.01	69	1020463	10.629	ppbv 98

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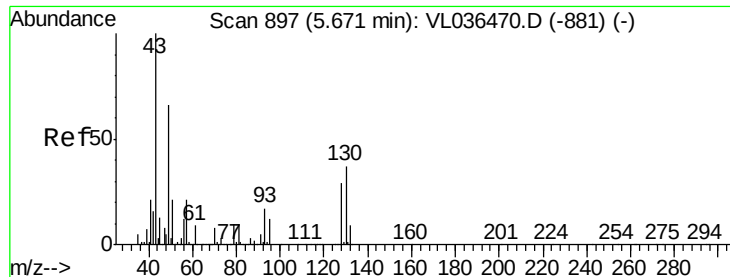
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 08 01:30:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4840532	9.619	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	979478	8.934	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1267330	9.043	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1127747	9.600	ppbv	96
48) Dibromochloromethane	10.30	129	1823828	10.184	ppbv	100
49) Bromoform	13.04	173	1489436	10.322	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1946766	8.891	ppbv	100
51) 2-Hexanone	10.14	43	1047653	9.481	ppbv #	99
52) Tetrachloroethene	11.22	164	943625	8.963	ppbv	98
53) Toluene	9.81	91	3094745	10.164	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1618120	9.753	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1288808	7.898	ppbv	95
57) Chlorobenzene	12.15	112	2317437	7.550	ppbv	98
58) Ethyl Benzene	12.71	91	4200659	8.003	ppbv	100
59) m/p-Xylene	13.00	91	3908720	8.538	ppbv #	44
60) o-Xylene	13.70	91	3355453	7.580	ppbv	99
61) Styrene	13.53	104	1869541	8.395	ppbv	97
62) Isopropylbenzene	14.67	105	4699479	7.884	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2486368	7.363	ppbv	99
64) n-propylbenzene	15.56	120	1223959	8.398	ppbv	99
65) tert-Butylbenzene	16.75	119	4075104	7.884	ppbv	100
66) Benzyl Chloride	17.00	91	308310	5.396	ppbv	100
67) sec-Butylbenzene	17.30	105	5759952	7.894	ppbv	100
69) p-Isopropyltoluene	17.66	119	4736923	8.314	ppbv	99
70) n-Butylbenzene	18.55	91	4892594	8.282	ppbv	99
71) 2-Chlorotoluene	15.46	91	3599232	8.058	ppbv	100
72) 4-Ethyltoluene	15.84	105	4015457	8.279	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3600124	7.953	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	3748847	7.738	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2211626	8.111	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2126242	7.853	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2133964	8.325	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1681418	7.325	ppbv	99
79) Naphthalene	22.21	128	2592094	9.169	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	478964	8.592	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	772122	4.424	ppbv #	10

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

[illegible]



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036724.D

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VSTDCCC010EC

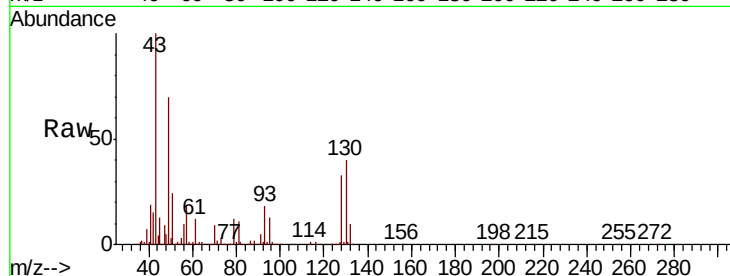
Tot Ion: 49 Resp: 1225841

Ion	Ratio	Lower	Upper
49	100		
128	49.3	23.5	70.6
130	59.2	29.1	87.4

49 100

128 49.3 23.5 70.6

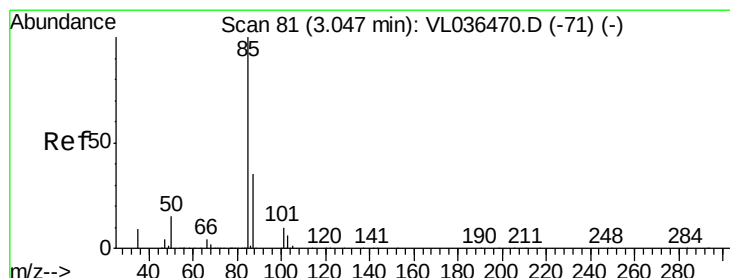
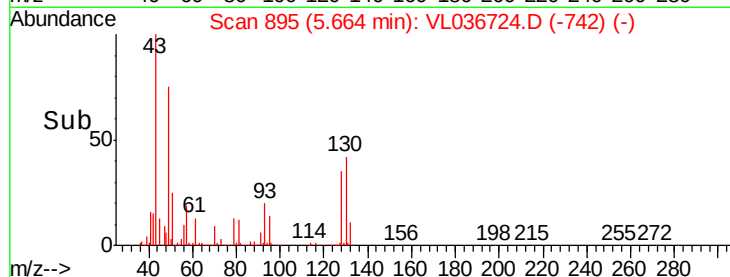
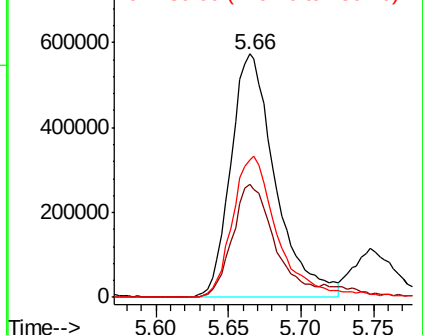
130 59.2 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.478 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036724.D

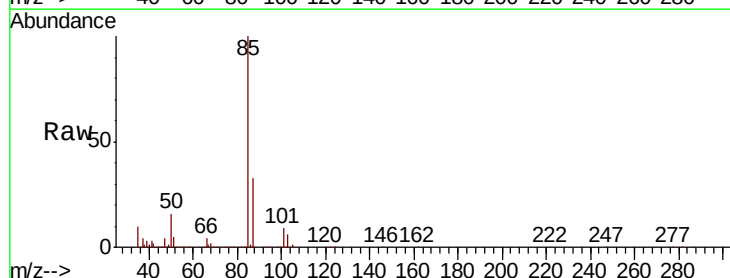
Acq: 7 Apr 2021 11:02

Tgt Ion: 85 Resp: 1894935

Ion	Ratio	Lower	Upper
85	100		
87	33.3	27.8	41.8

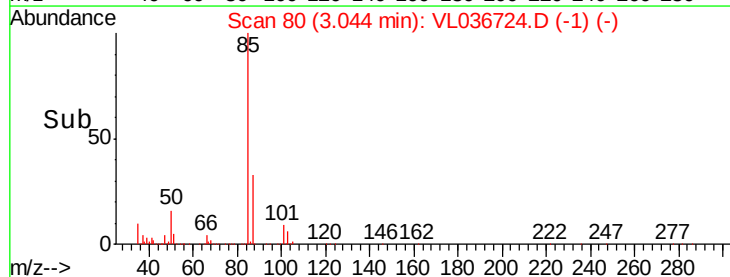
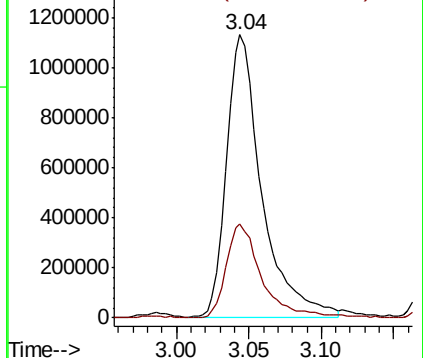
85 100

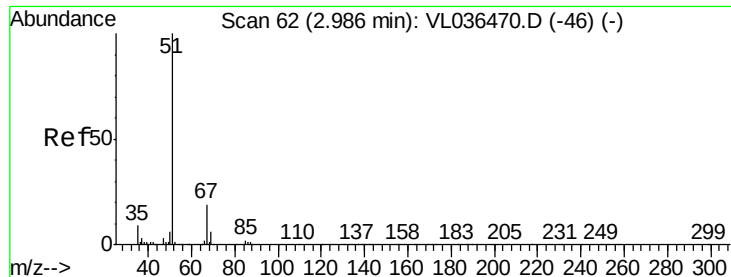
87 33.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

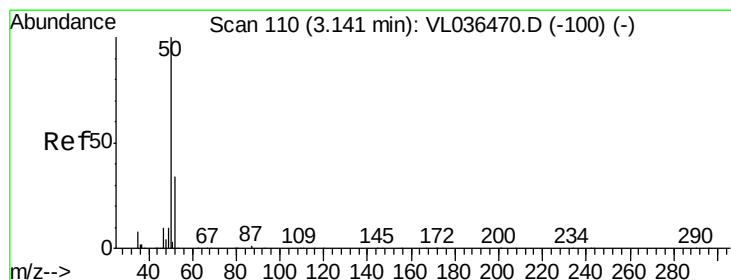
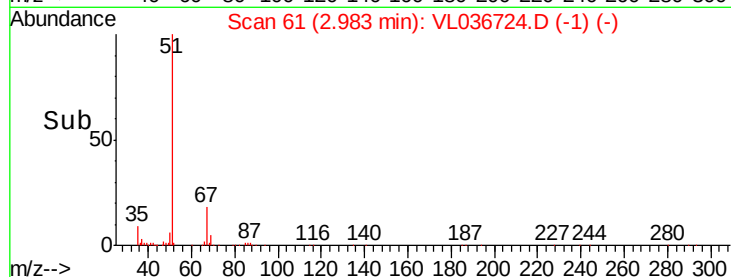
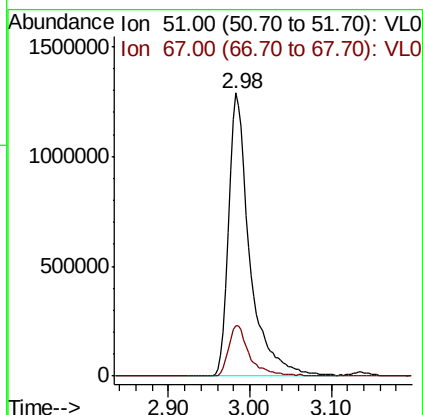
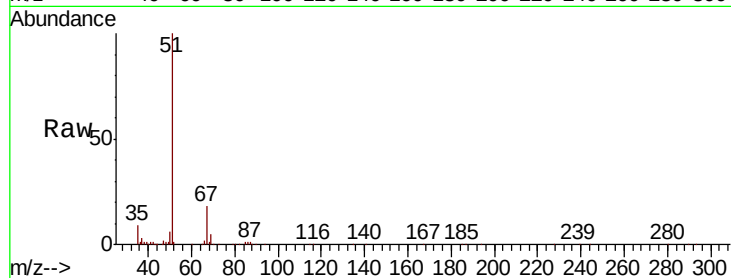




#3
 Chlorodifluoromethane
 Concen: 10.262 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

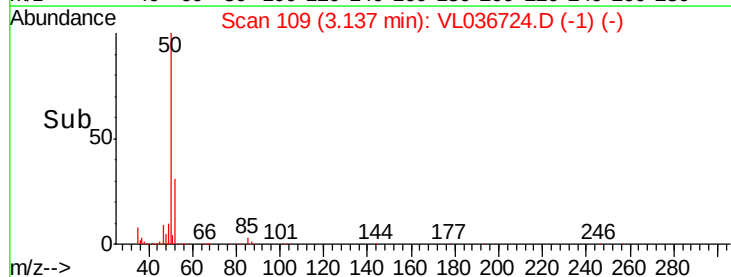
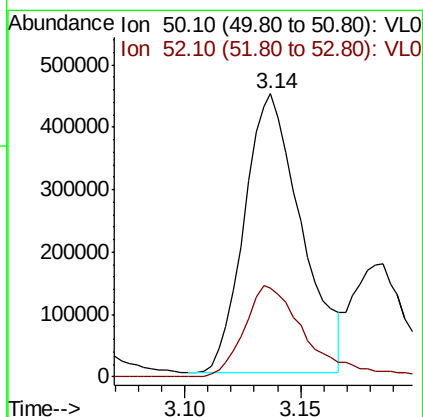
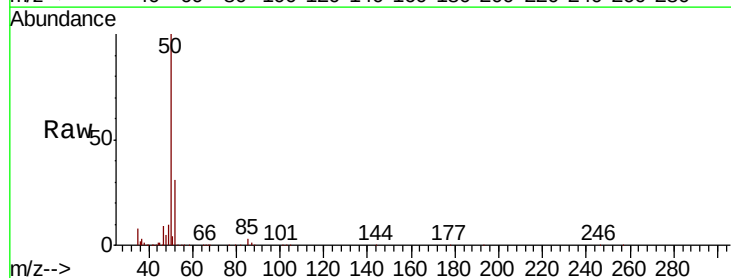
Instrument :
 MSVOA_L
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 VSTDCCC010EC

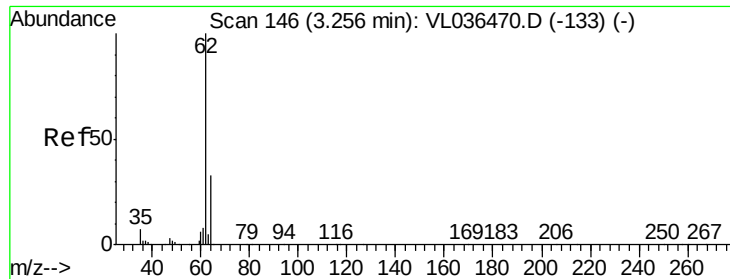
Tot Ion: 51 Resp: 2350428
 Ion Ratio Lower Upper
 51 100
 67 18.2 14.7 22.1



#4
 Chloromethane
 Concen: 9.457 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 50 Resp: 765027
 Ion Ratio Lower Upper
 50 100
 52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 8.937 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

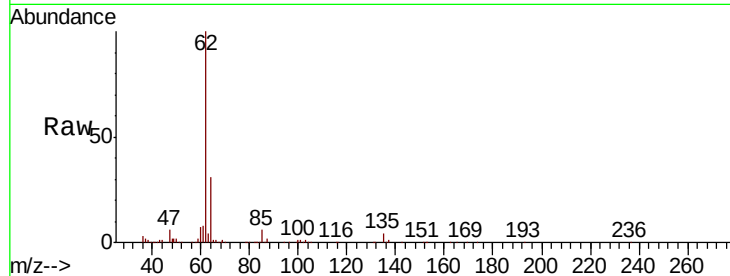
VSTDCCC010EC

Tot Ion: 62 Resp: 743416

Ion Ratio Lower Upper

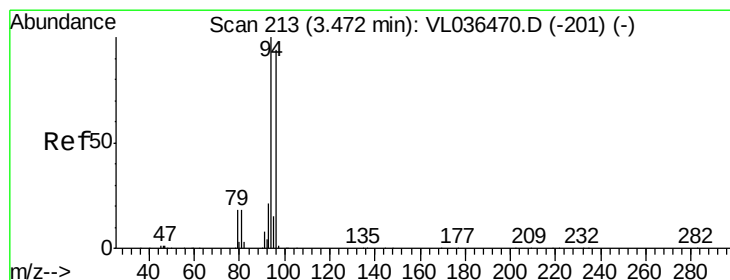
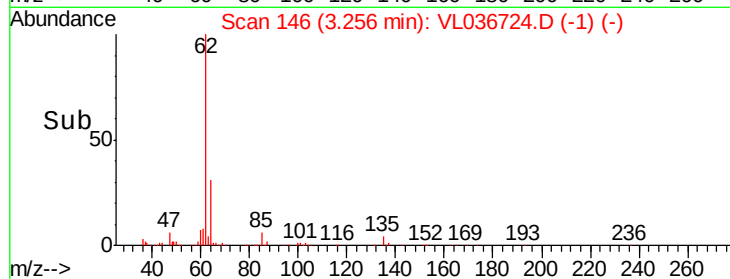
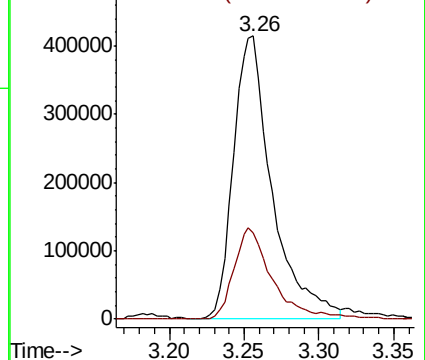
62 100

64 30.6 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.799 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036724.D

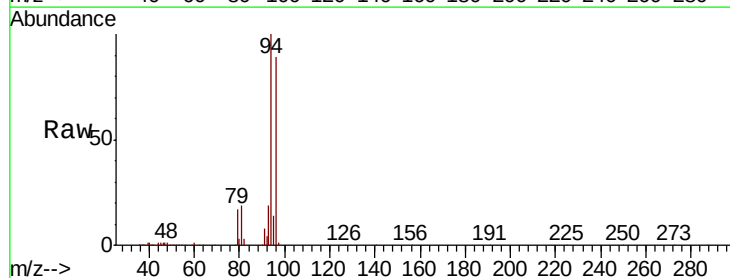
Acq: 7 Apr 2021 11:02

Tgt Ion: 94 Resp: 402985

Ion Ratio Lower Upper

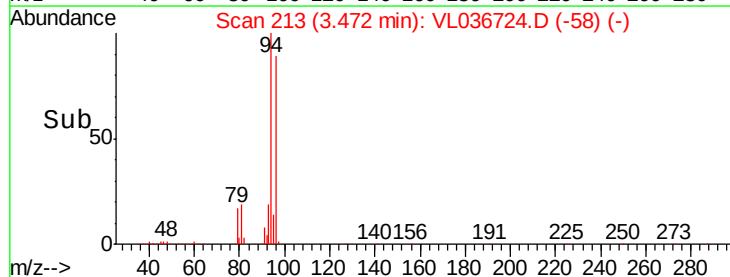
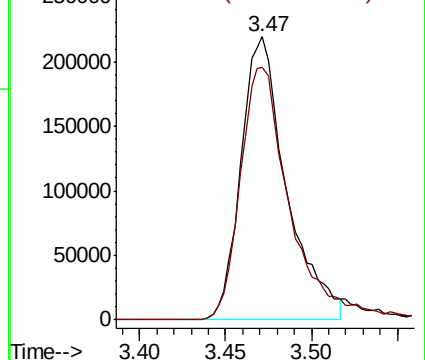
94 100

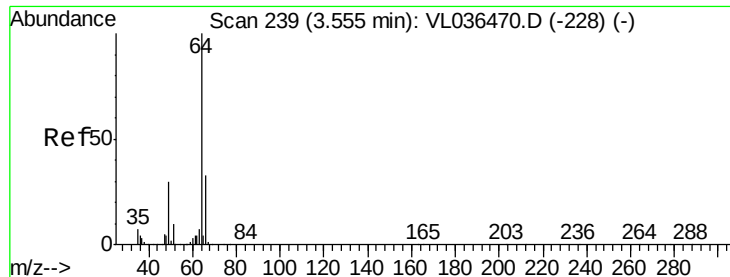
96 89.3 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.211 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

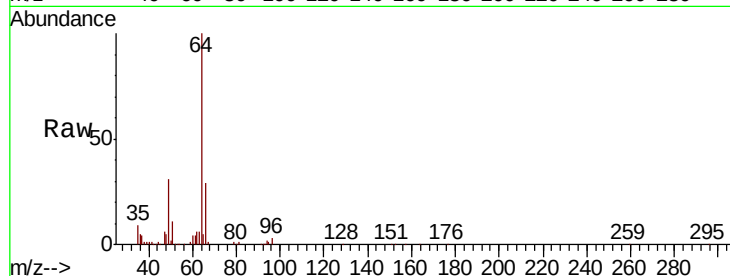
VSTDCCC010EC

Tot Ion: 64 Resp: 263273

Ion Ratio Lower Upper

64 100

66 29.2 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

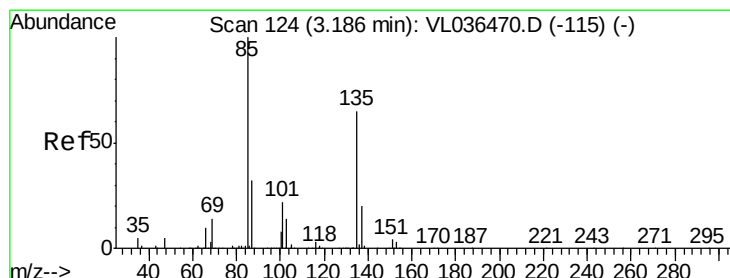
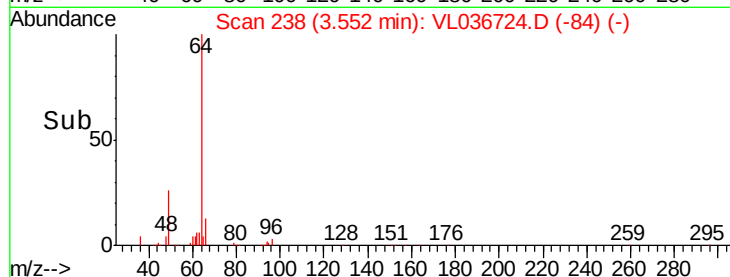
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.509 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL036724.D

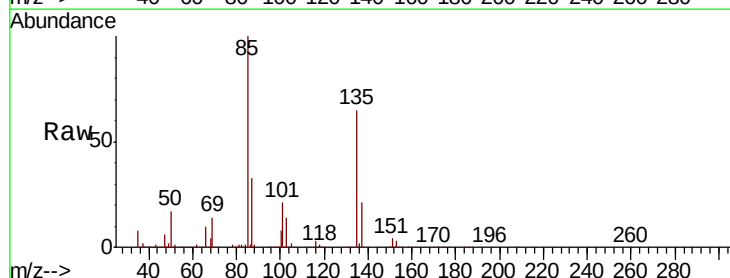
Acq: 7 Apr 2021 11:02

Tgt Ion: 85 Resp: 1814533

Ion Ratio Lower Upper

85 100

135 69.2 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

1200000

1000000

800000

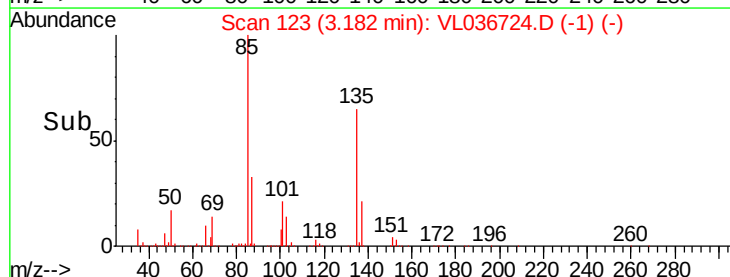
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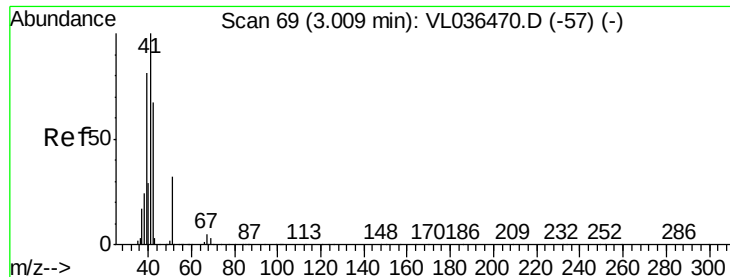
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200000

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Time-->





#9

Propene

Concen: 9.590 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

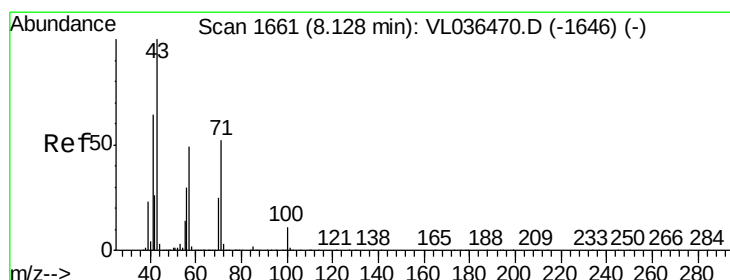
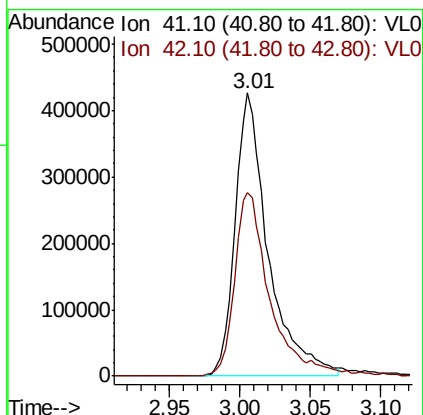
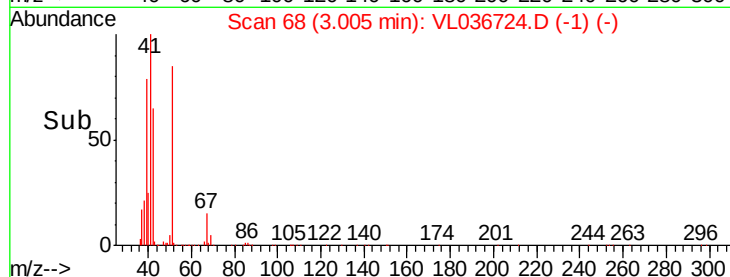
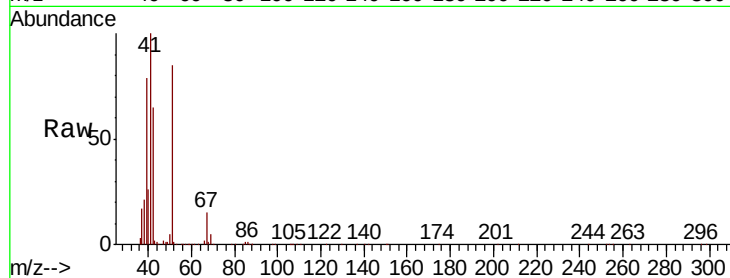
VSTDCCC010EC

Tot Ion: 41 Resp: 700205

Ion Ratio Lower Upper

41 100

42 70.3 57.0 85.4



#10

Heptane

Concen: 9.887 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036724.D

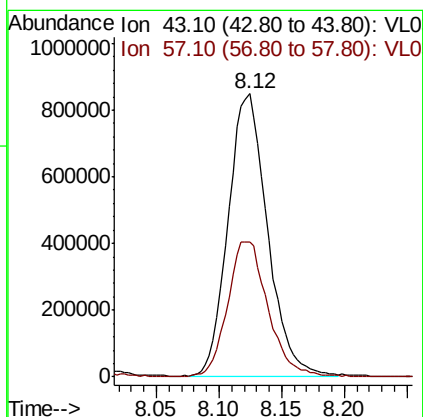
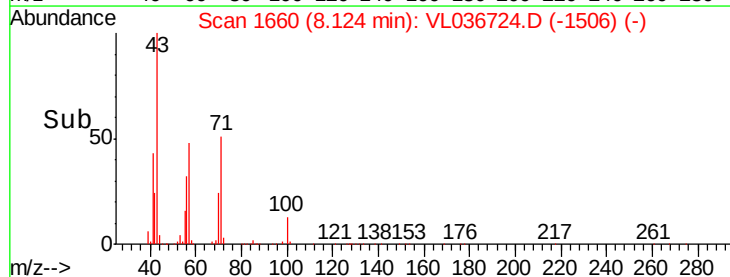
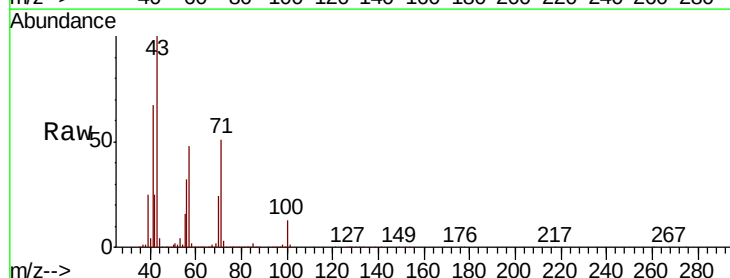
Acq: 7 Apr 2021 11:02

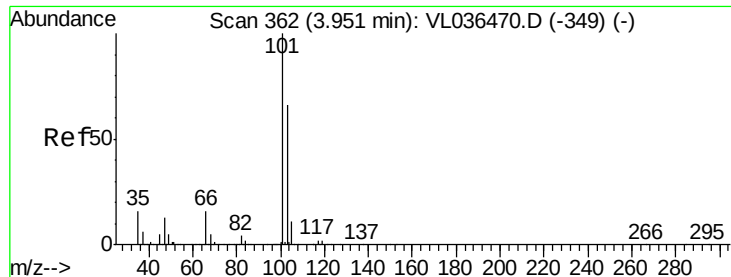
Tgt Ion: 43 Resp: 1839069

Ion Ratio Lower Upper

43 100

57 49.7 39.0 58.6

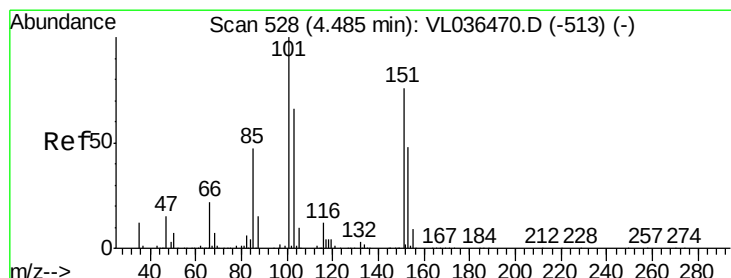
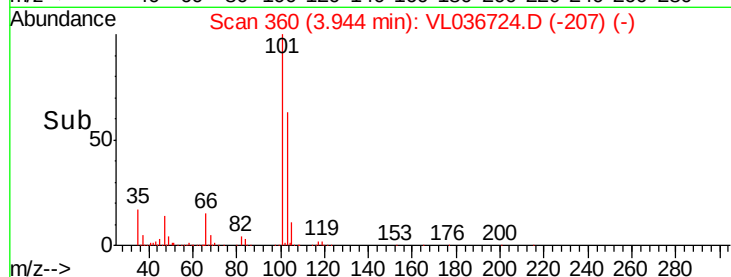
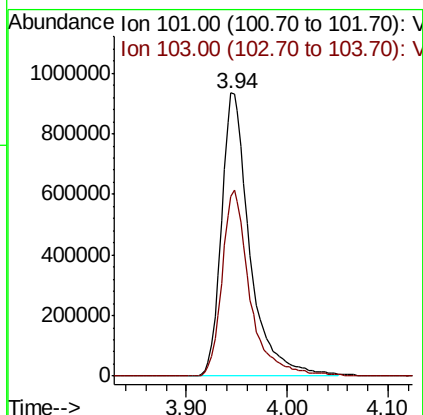
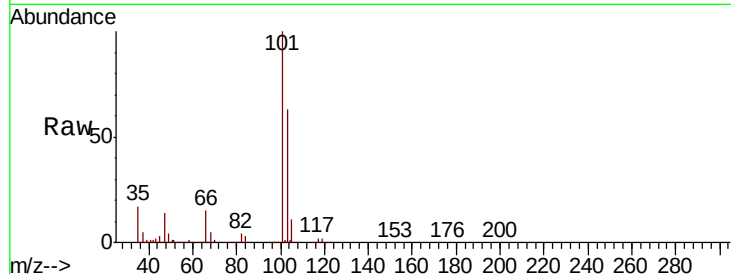




#11
 Trichlorofluoromethane
 Concen: 9.015 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

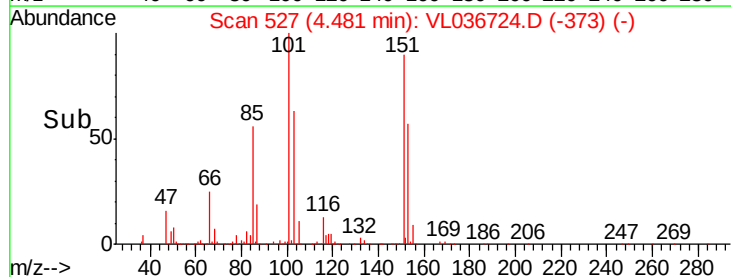
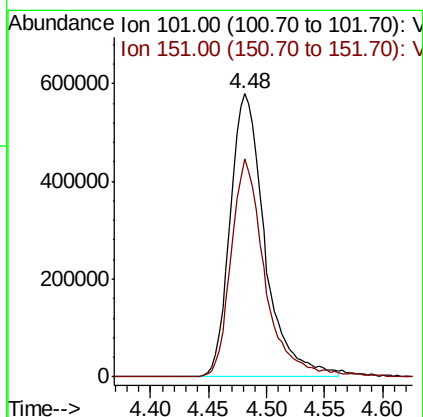
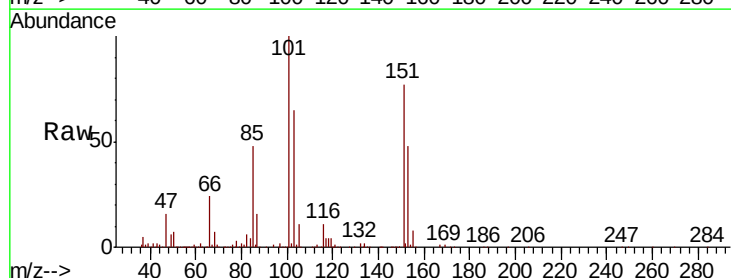
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

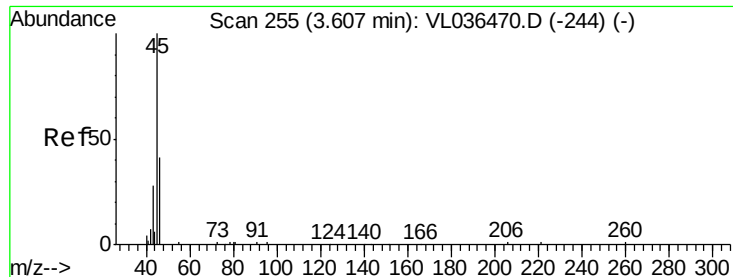
Tot Ion:101 Resp: 1836817
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.231 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion:101 Resp: 1202541
 Ion Ratio Lower Upper
 101 100
 151 75.6 60.9 91.3

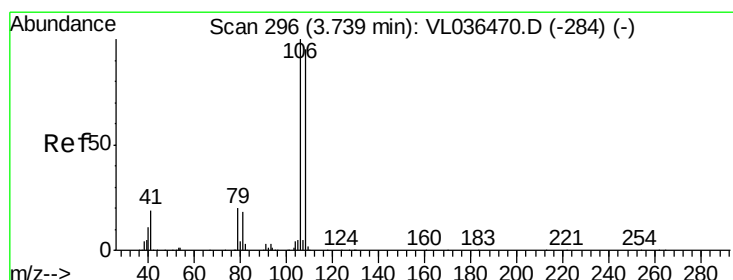
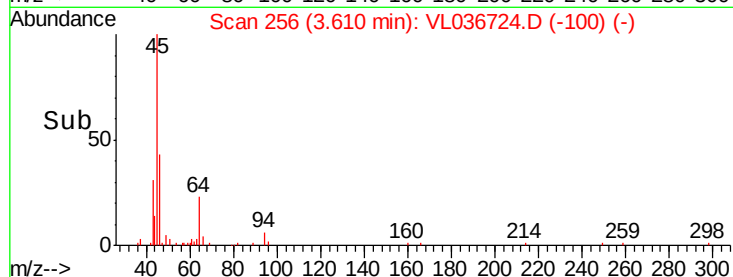
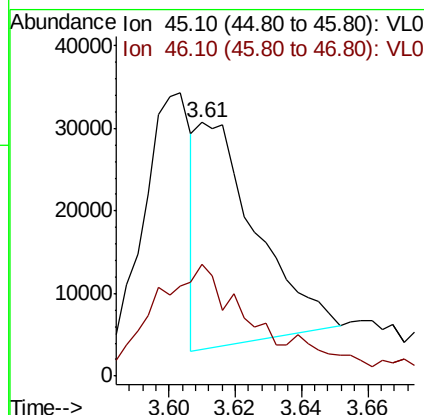
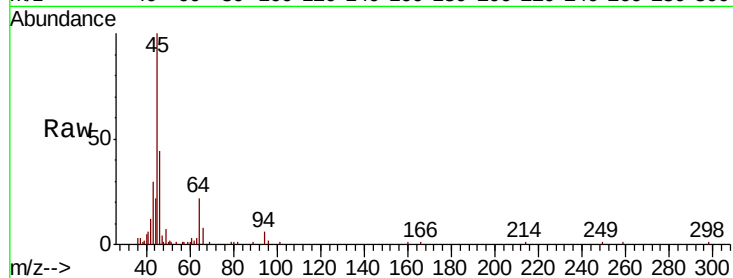




#13
Ethanol
Concen: 3.860 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

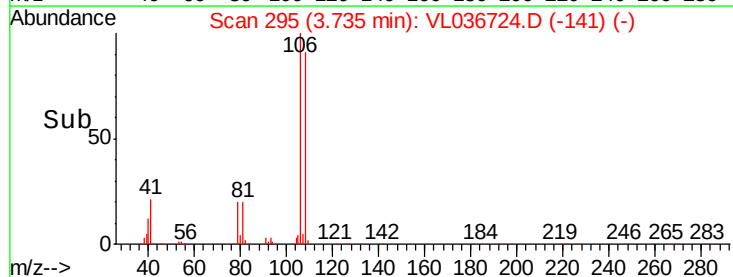
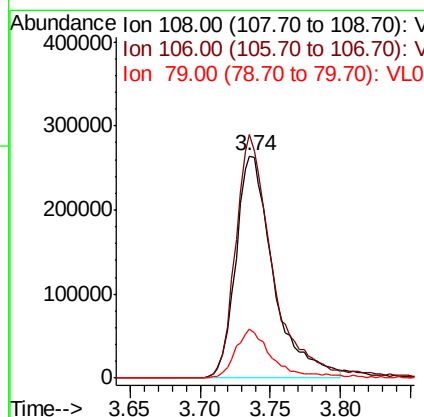
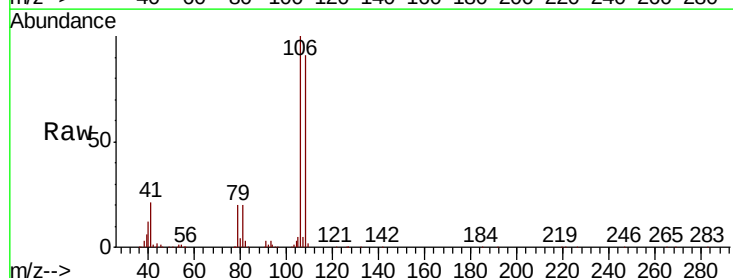
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

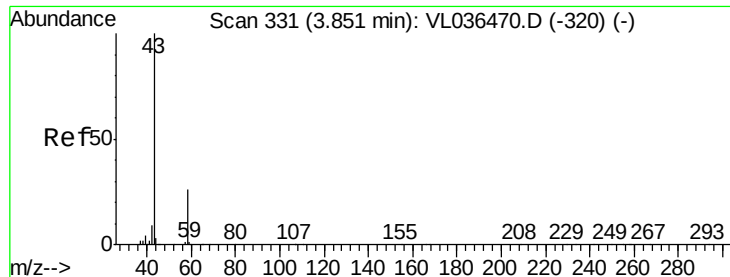
Tot Ion: 45 Resp: 33562
Ion Ratio Lower Upper
45 100
46 97.9 16.6 66.2#



#14
Bromoethene
Concen: 9.109 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 108 Resp: 493351
Ion Ratio Lower Upper
108 100
106 110.0 89.0 133.6
79 22.2 16.6 25.0





#15

Acetone

Concen: 8.832 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

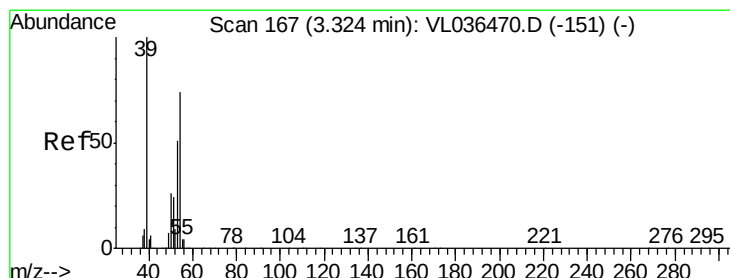
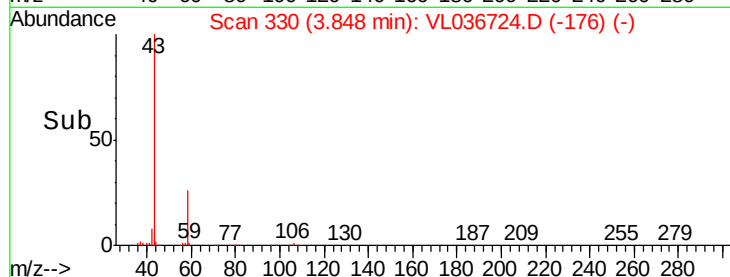
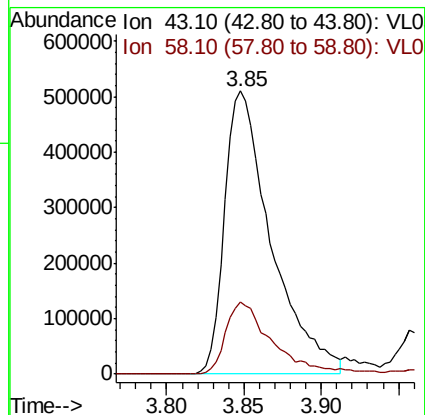
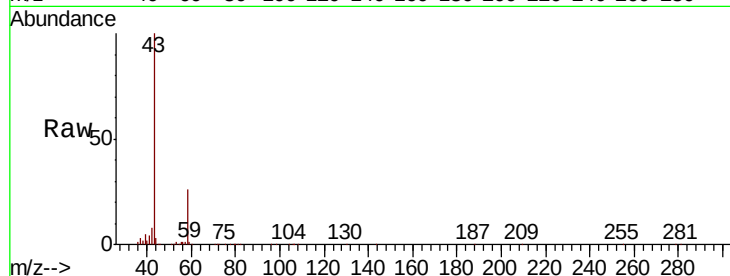
VSTDCCC010EC

Tot Ion: 43 Resp: 1065633

Ion Ratio Lower Upper

43 100

58 25.8 21.2 31.8



#16

1,3-Butadiene

Concen: 9.629 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL036724.D

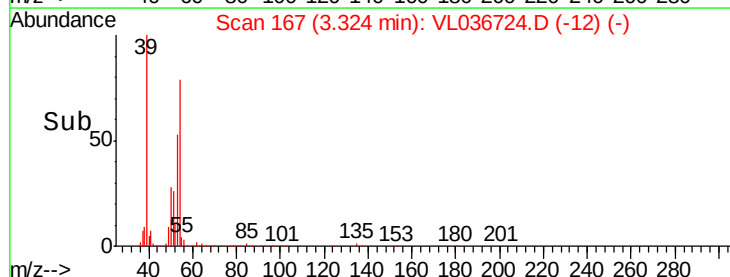
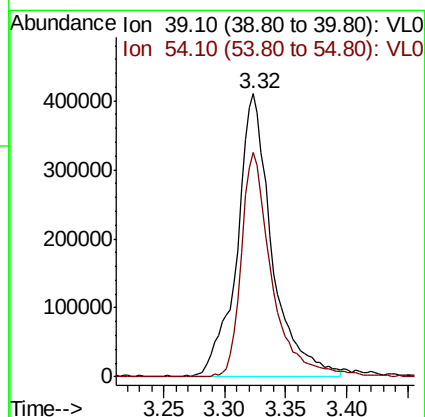
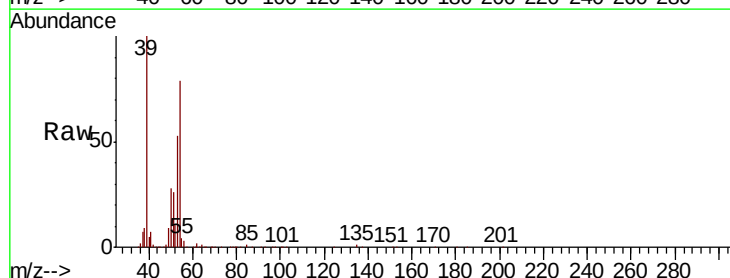
Acq: 7 Apr 2021 11:02

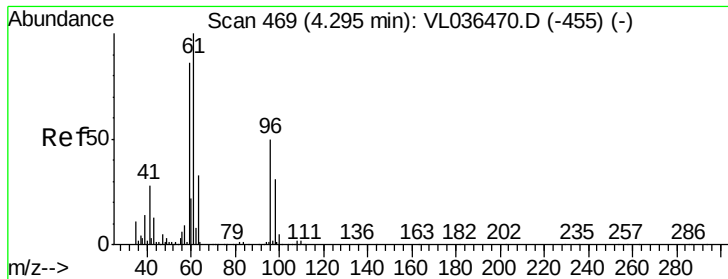
Tgt Ion: 39 Resp: 808842

Ion Ratio Lower Upper

39 100

54 70.4 58.8 88.2



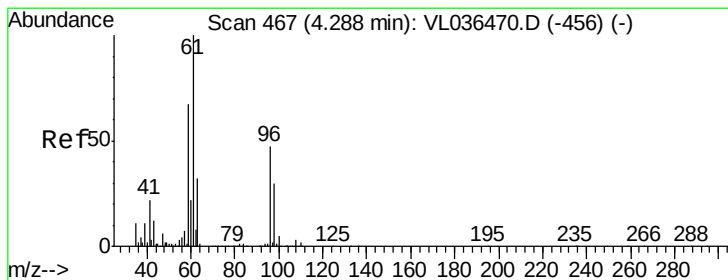
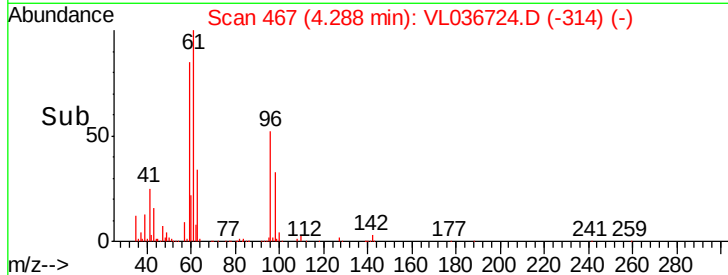
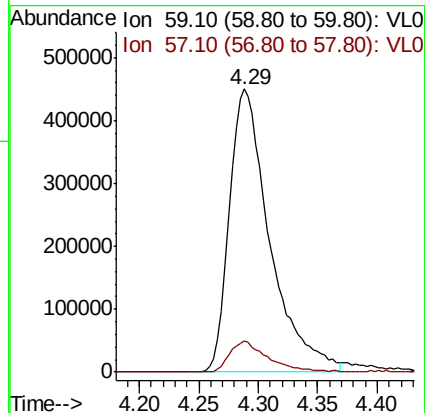
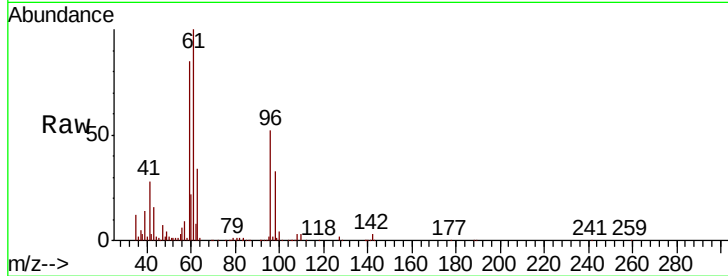


#17

tert-Butyl alcohol
Concen: 10.098 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

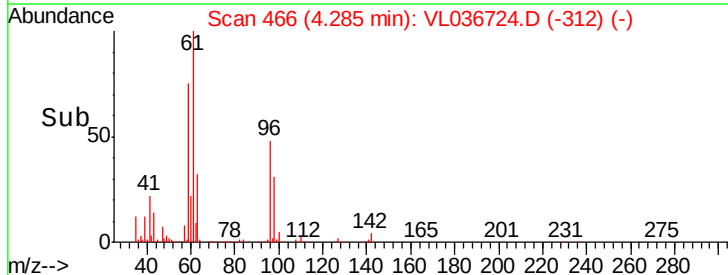
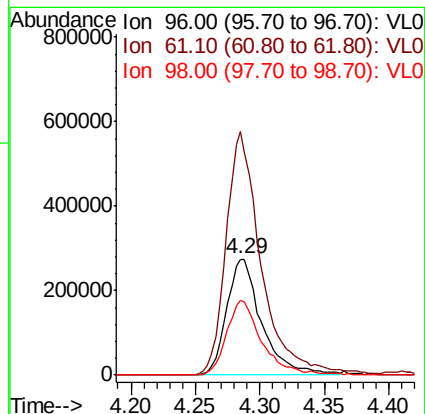
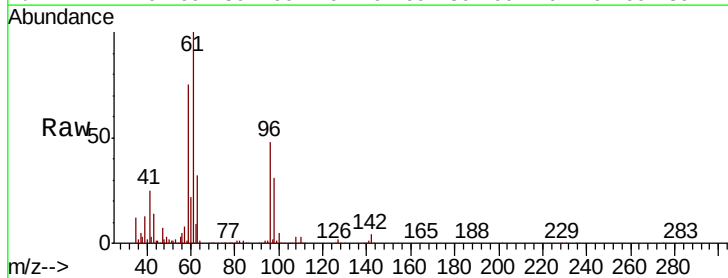
Tot Ion: 59 Resp: 1060540
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

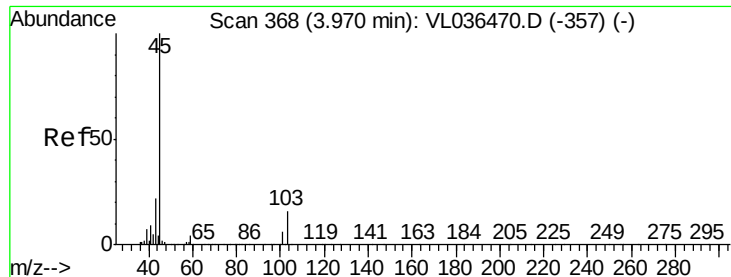


#18

1,1-Dichloroethene
Concen: 8.989 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 96 Resp: 520913
Ion Ratio Lower Upper
96 100
61 209.8 168.6 253.0
98 64.2 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.078 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

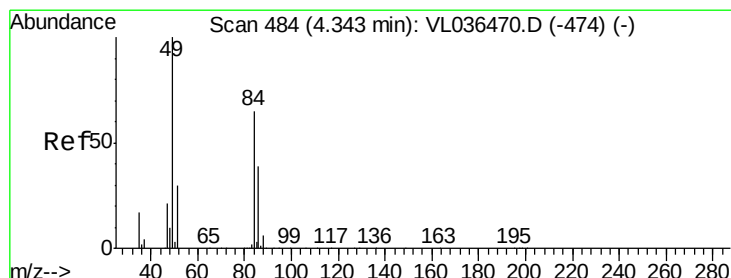
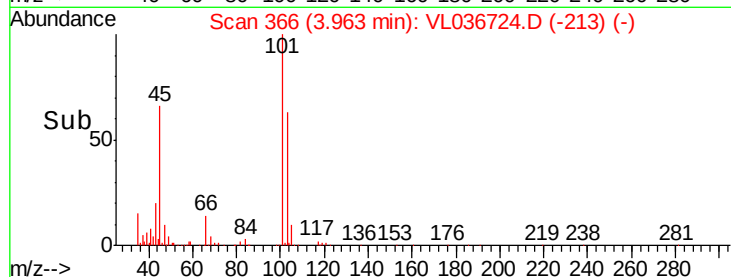
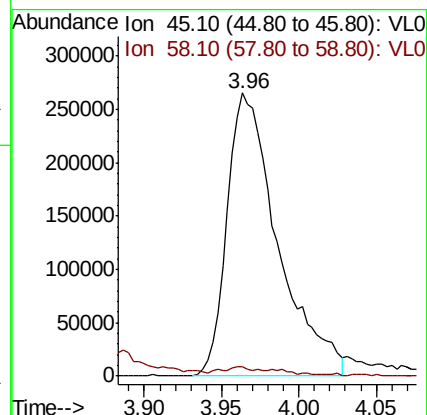
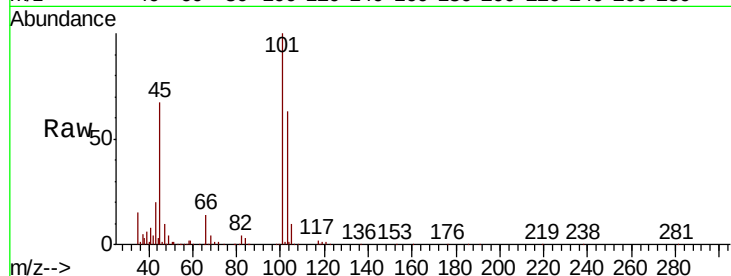
VSTDCCC010EC

Tot Ion: 45 Resp: 602488

Ion Ratio Lower Upper

45 100

58 2.7 2.9 4.3#



#20

Methylene Chloride

Concen: 7.768 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 84 Resp: 438804

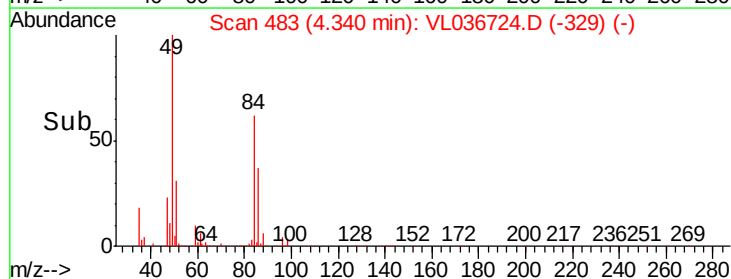
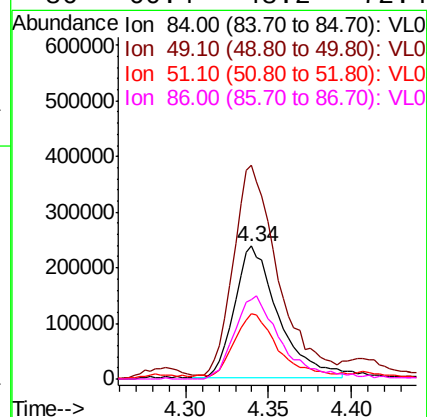
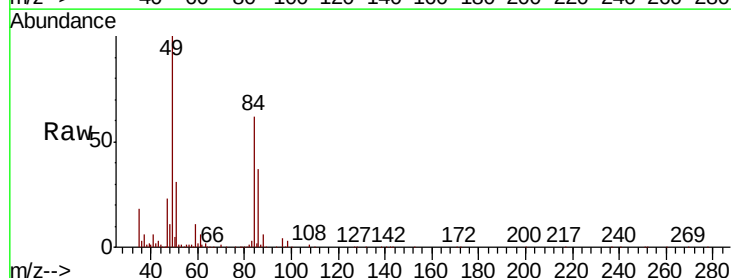
Ion Ratio Lower Upper

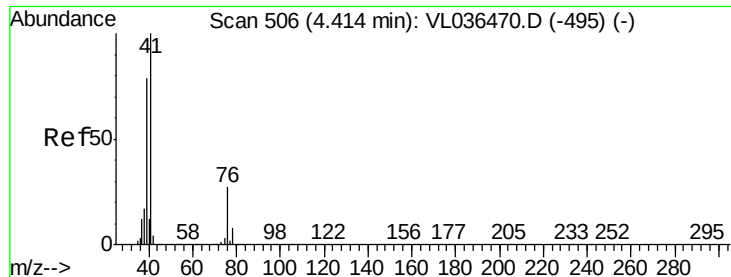
84 100

49 159.1 122.9 184.3

51 47.6 36.9 55.3

86 60.4 48.2 72.4

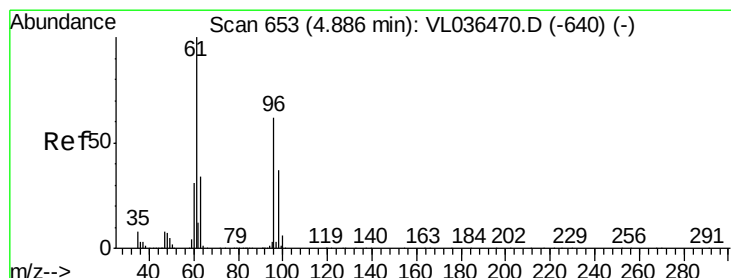
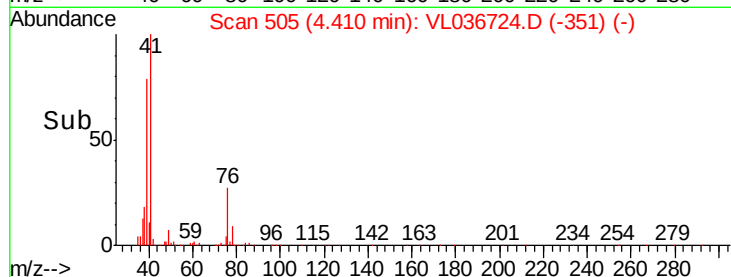
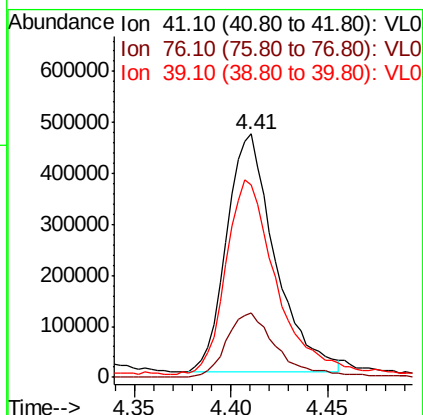
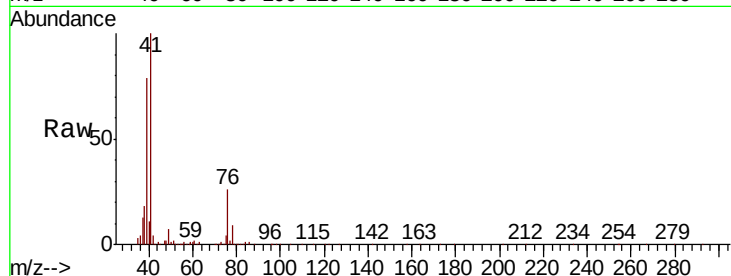




#21
Allvl Chloride
Concen: 8.449 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

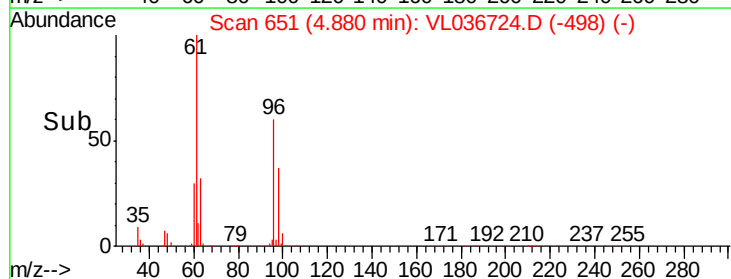
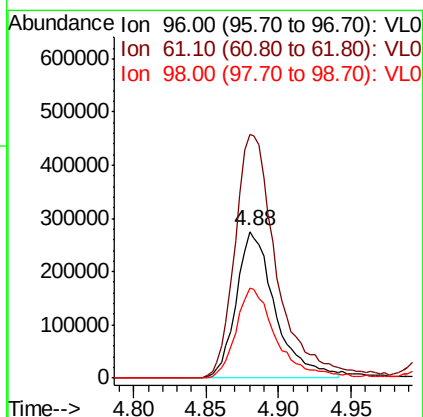
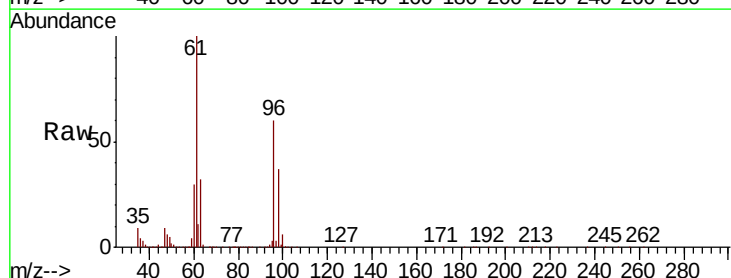
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

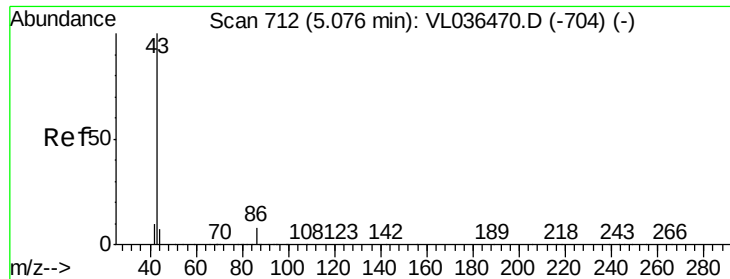
Tot Ion: 41 Resp: 812580
Ion Ratio Lower Upper
41 100
76 28.9 22.9 34.3
39 89.8 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 9.585 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 96 Resp: 514929
Ion Ratio Lower Upper
96 100
61 165.6 129.4 194.0
98 61.3 48.2 72.4





#23

Vinyl Acetate

Concen: 9.473 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1955098

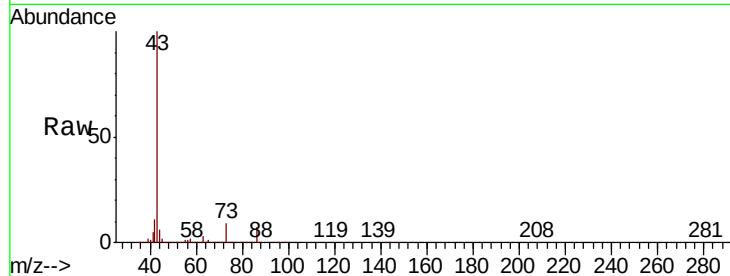
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.4	8.0
42	10.8	8.5	12.7
44	5.5	4.6	7.0

43 100

86 6.9 5.4 8.0

42 10.8 8.5 12.7

44 5.5 4.6 7.0

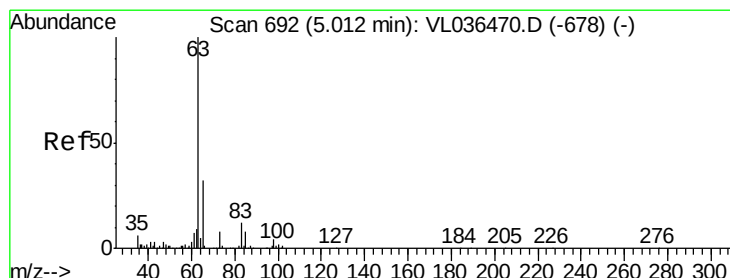
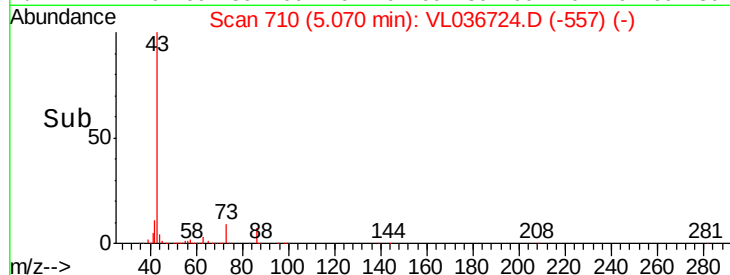
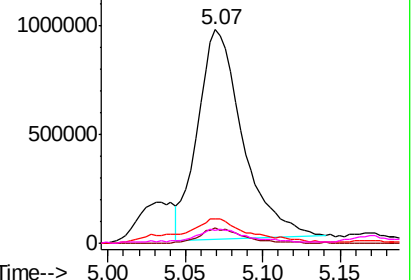


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.214 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

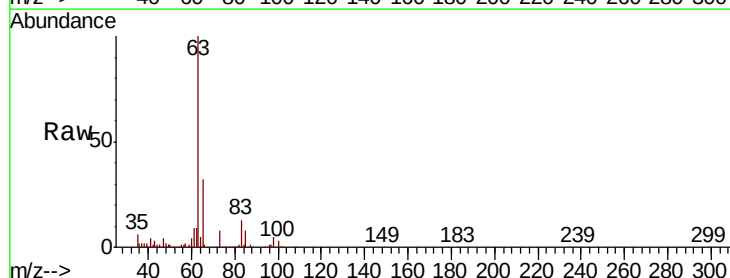
Tgt Ion: 63 Resp: 1386117

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.7	0.9	2.8

63 100

98 4.6 2.1 6.2

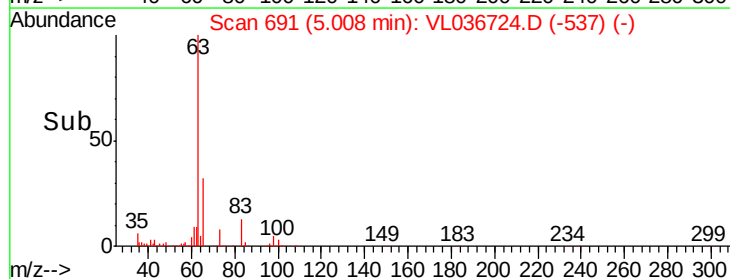
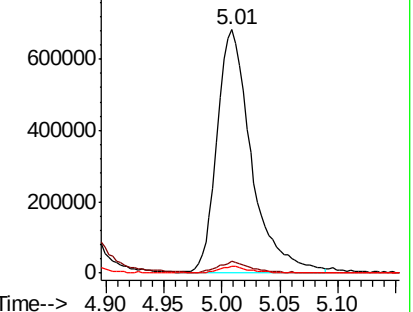
100 2.7 0.9 2.8

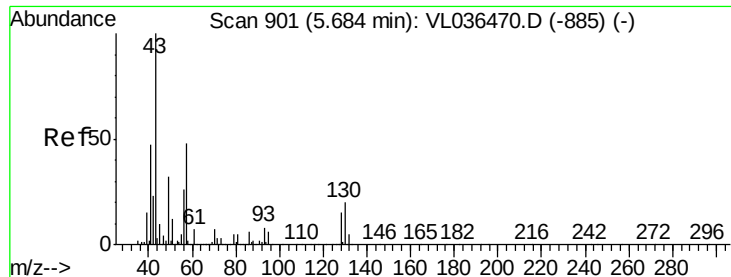


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



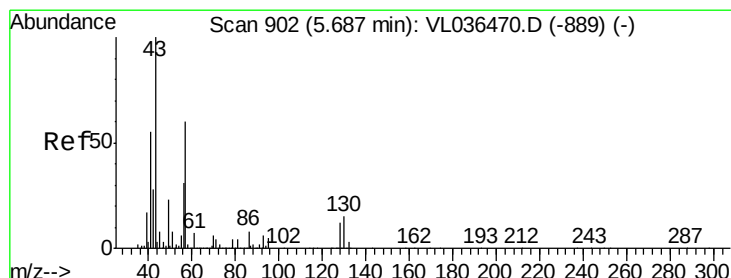
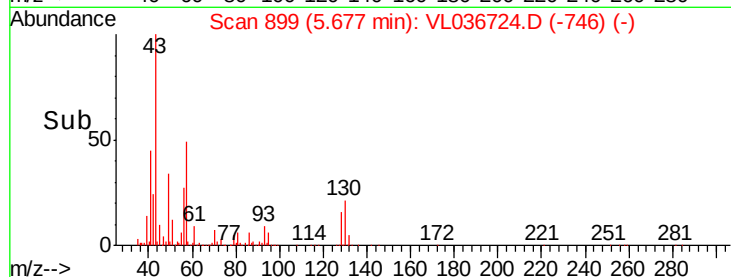
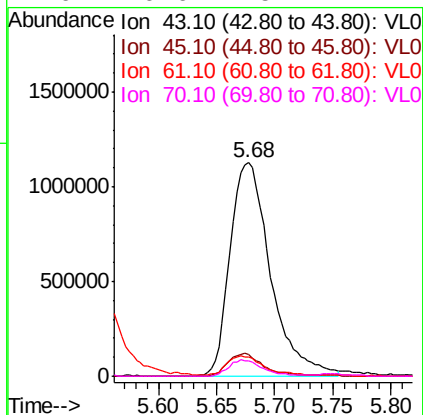
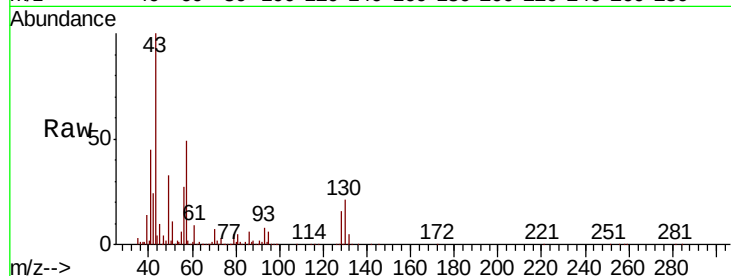


#25
Ethyl Acetate
Concen: 9.492 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Tot Ion: 43 Resp: 2722662

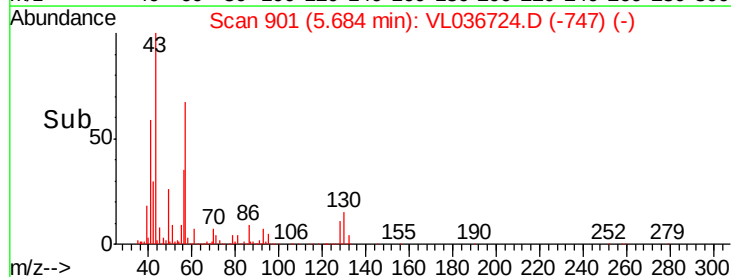
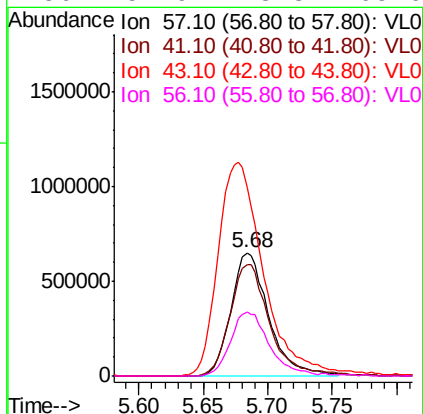
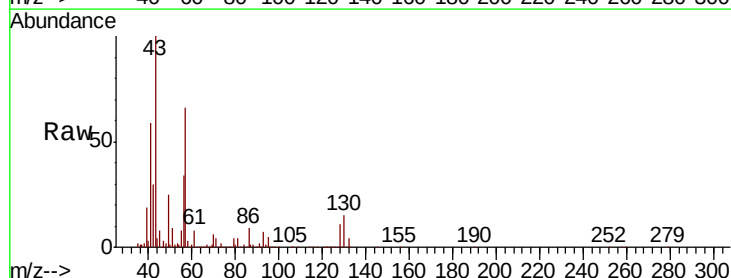
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.5	7.4	11.2
70	6.6	5.1	7.7

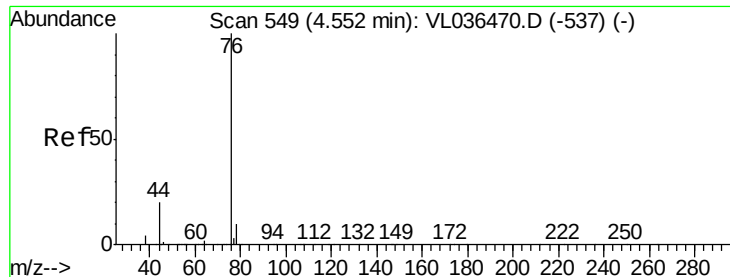


#26
Hexane
Concen: 9.912 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 57 Resp: 1319444

Ion	Ratio	Lower	Upper
57	100		
41	95.8	77.2	115.8
43	210.7	173.8	260.6
56	54.9	43.8	65.6





#27

Carbon Disulfide

Concen: 9.427 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

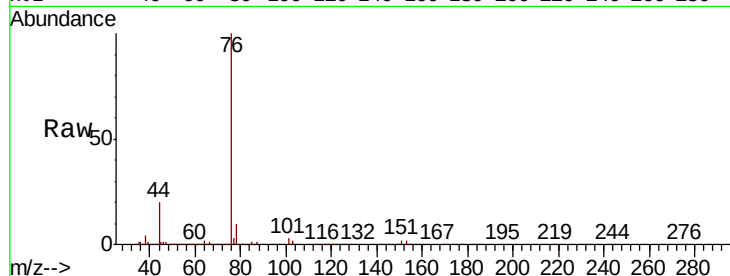
Tot Ion: 76 Resp: 1236150

Ion	Ratio	Lower	Upper
76	100		
44	21.4	17.5	26.3
78	9.6	8.6	13.0

76 100

44 21.4 17.5 26.3

78 9.6 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

800000

600000

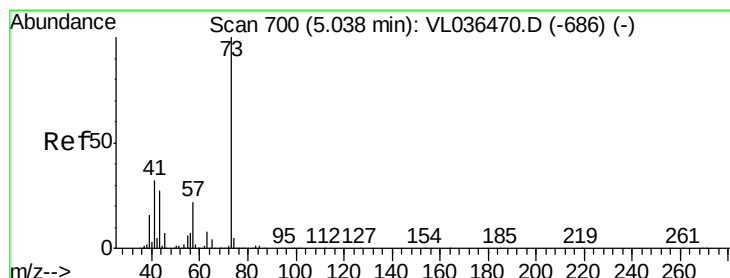
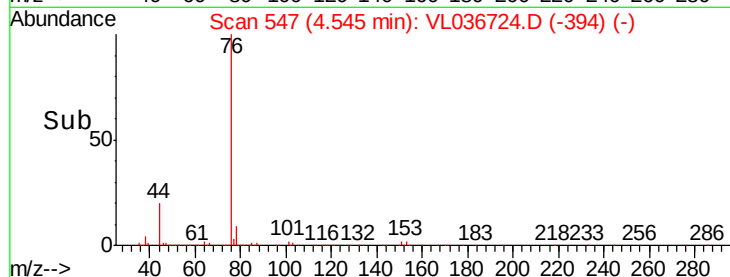
400000

200000

0

4.45 4.50 4.55 4.60 4.65

Time-->



#28

Methyl tert-Butyl Ether

Concen: 9.041 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL036724.D

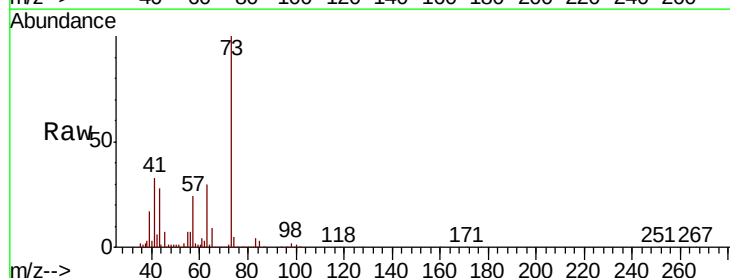
Acq: 7 Apr 2021 11:02

Tgt Ion: 73 Resp: 1419252

Ion	Ratio	Lower	Upper
73	100		
57	24.6	18.5	27.7

73 100

57 24.6 18.5 27.7



Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

800000

600000

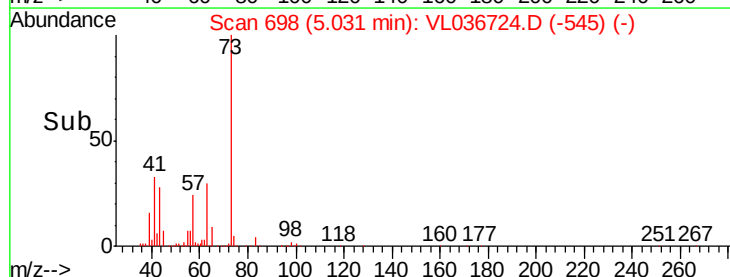
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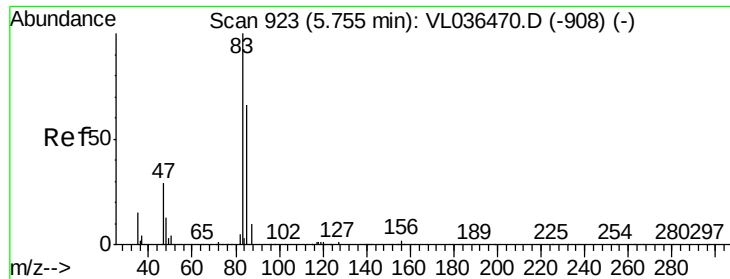
200000

0

4.95 5.00 5.05 5.10

Time-->

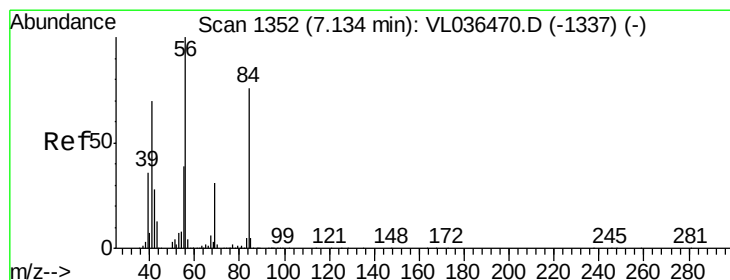
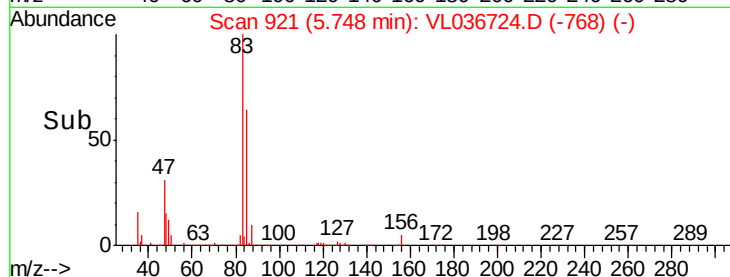
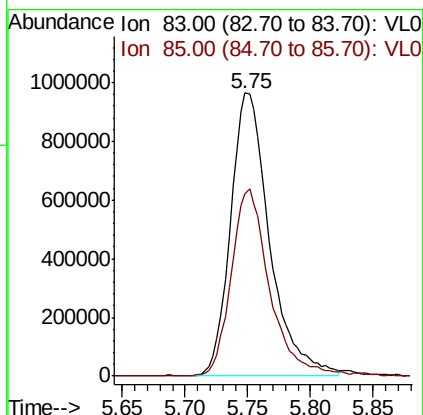
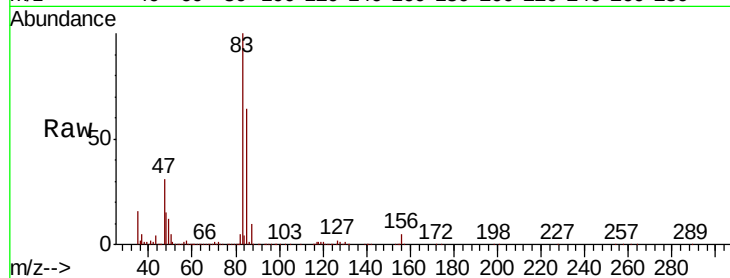




#29
Chloroform
Concen: 9.805 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

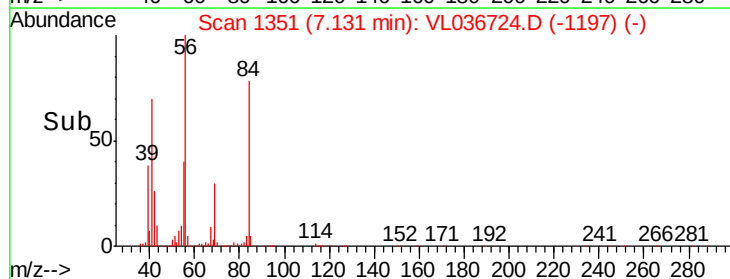
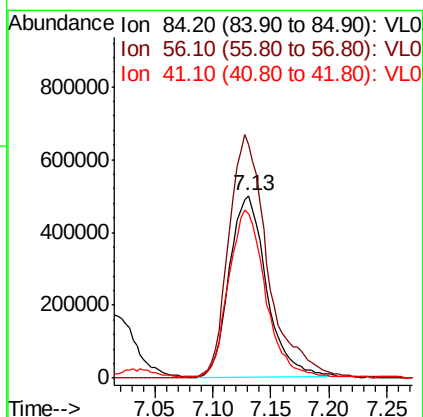
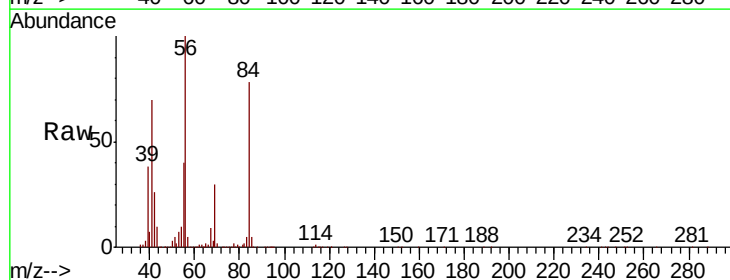
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

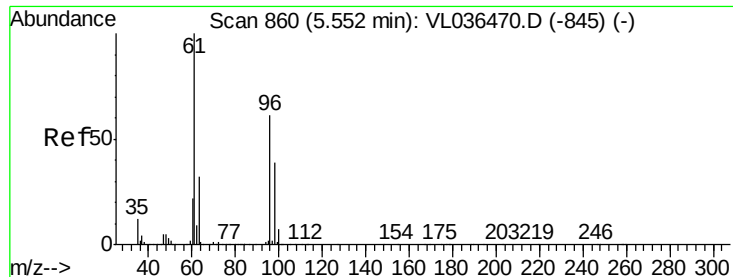
Tot Ion: 83 Resp: 2087337
Ion Ratio Lower Upper
83 100
85 64.3 52.6 78.8



#30
Cyclohexane
Concen: 10.261 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 84 Resp: 1107725
Ion Ratio Lower Upper
84 100
56 142.3 114.6 171.8
41 90.9 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 9.778 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

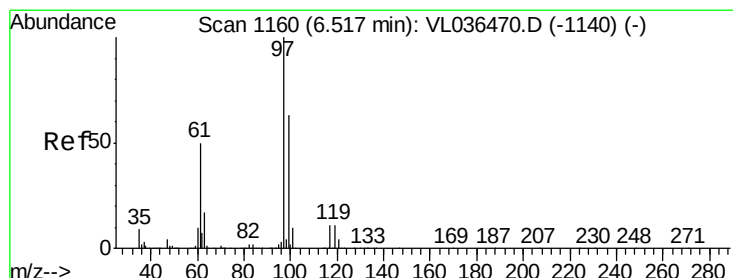
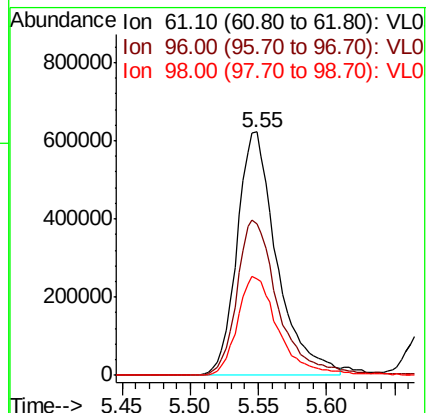
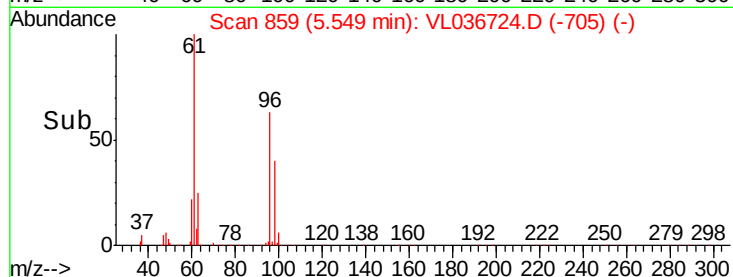
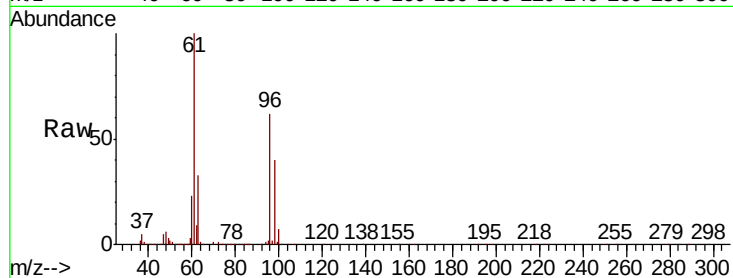
Tot Ion: 61 Resp: 1258868

Ion Ratio Lower Upper

61 100

96 62.3 48.7 73.1

98 39.8 31.4 47.0



#32

1,1,1-Trichloroethane

Concen: 9.762 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

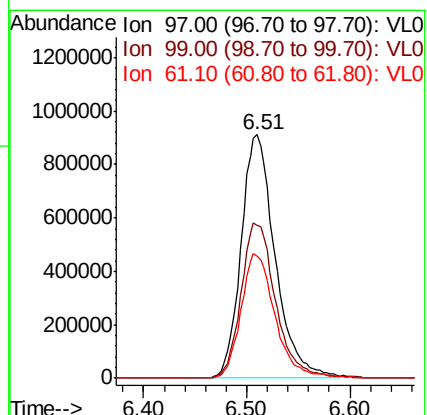
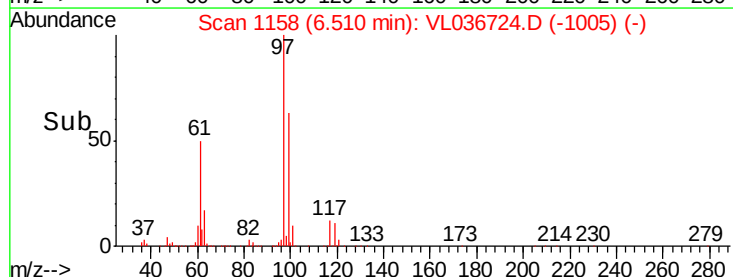
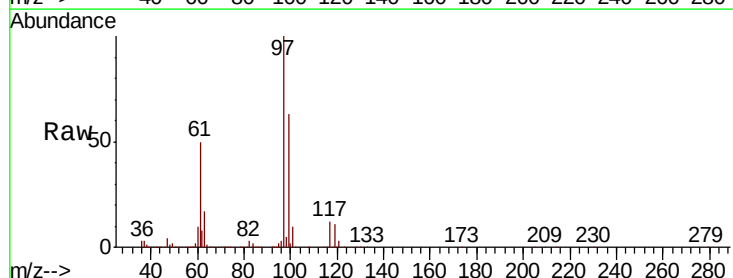
Tgt Ion: 97 Resp: 2094351

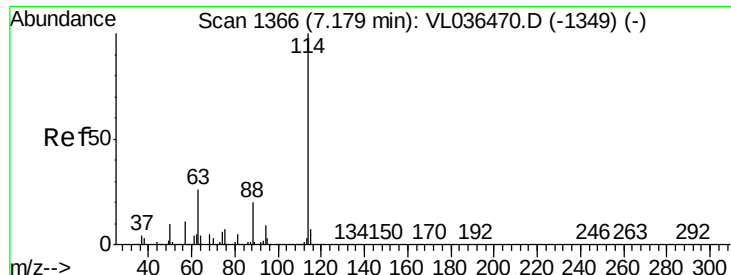
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

61 51.3 40.6 60.8

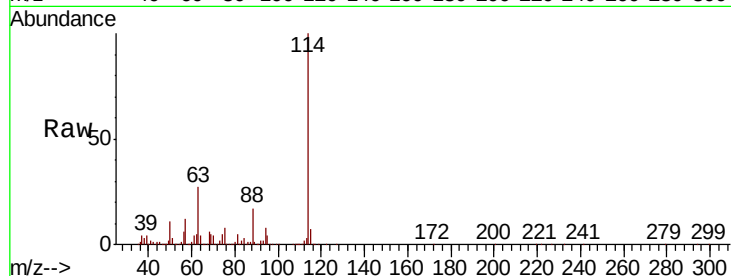




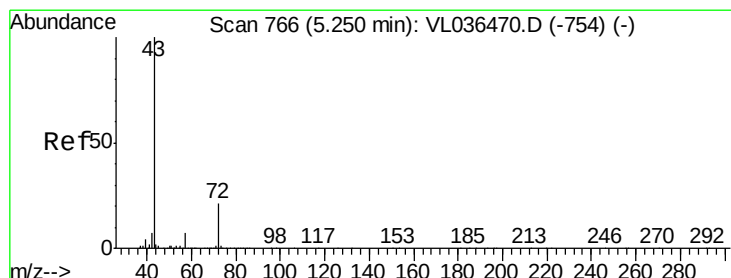
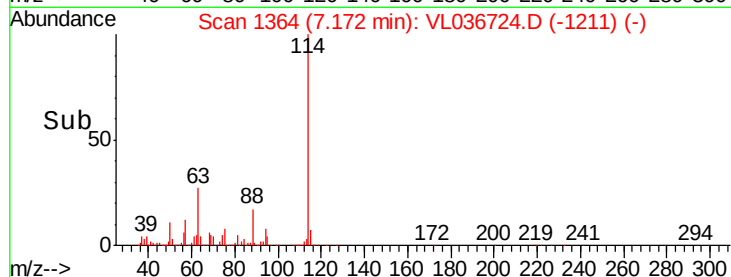
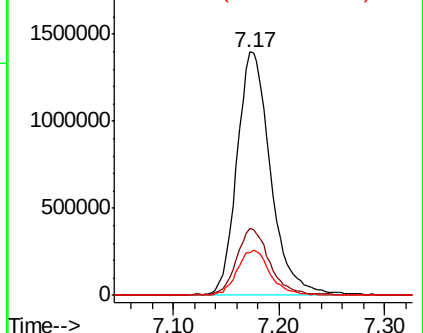
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3100160
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.4 33.6
 88 18.3 15.4 23.0

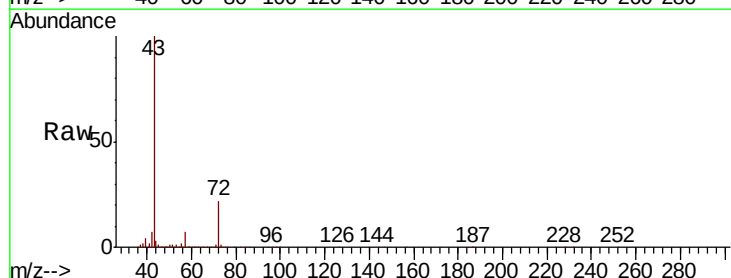


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

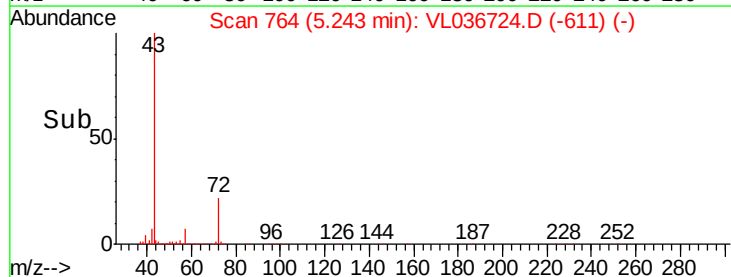
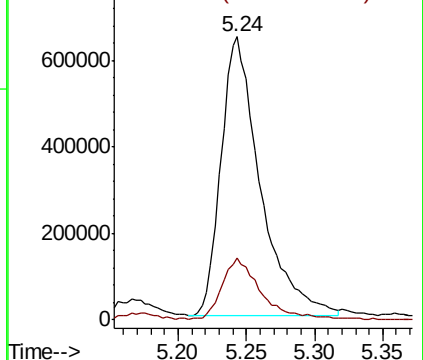


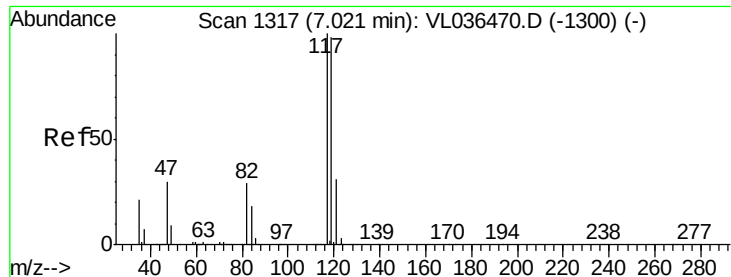
#34
 2-Butanone
 Concen: 8.579 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 43 Resp: 1298215
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.0 25.6



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

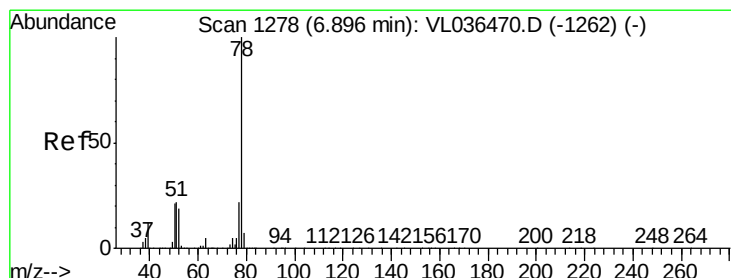
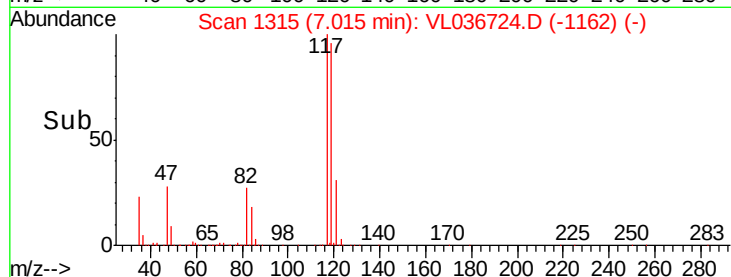
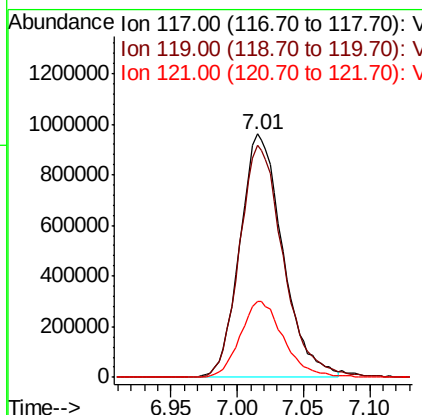
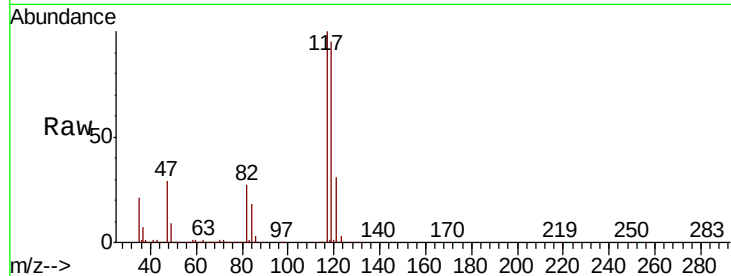




#35
Carbon Tetrachloride
Concen: 9.079 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

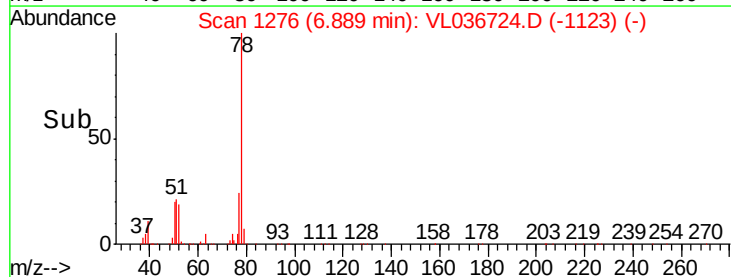
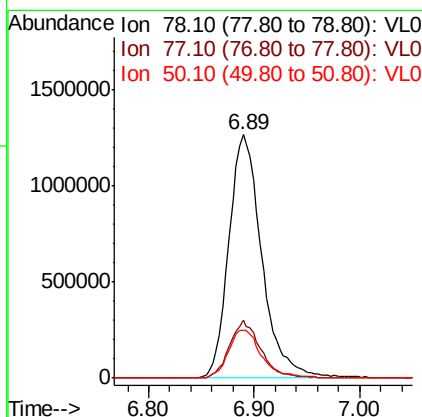
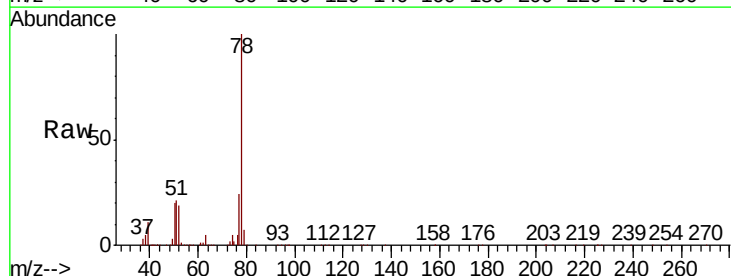
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

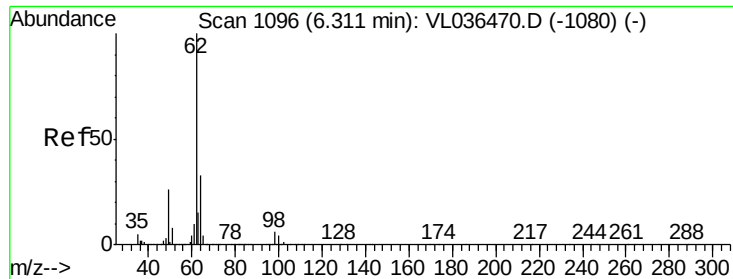
Tot Ion:117 Resp: 2161747
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.2
121 31.3 24.5 36.7



#36
Benzene
Concen: 9.592 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 78 Resp: 2742451
Ion Ratio Lower Upper
78 100
77 24.1 18.0 27.0
50 19.8 16.5 24.7

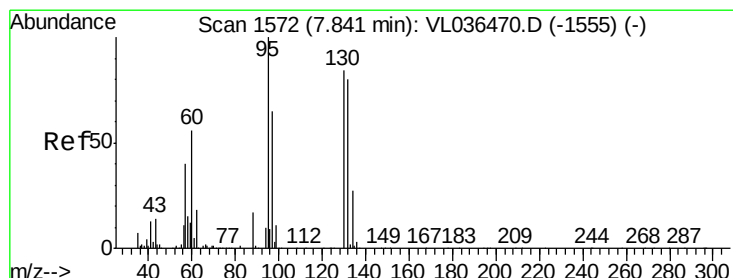
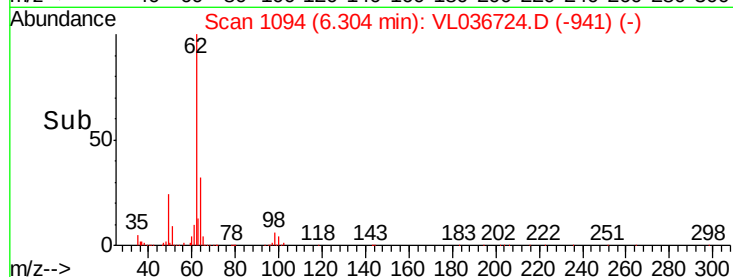
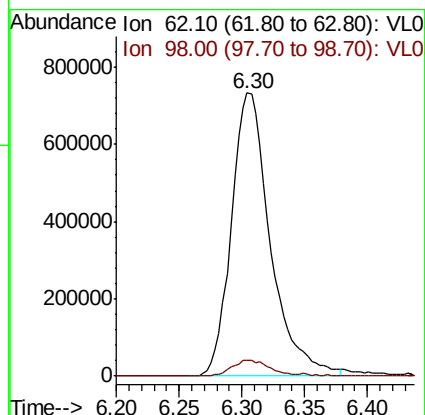
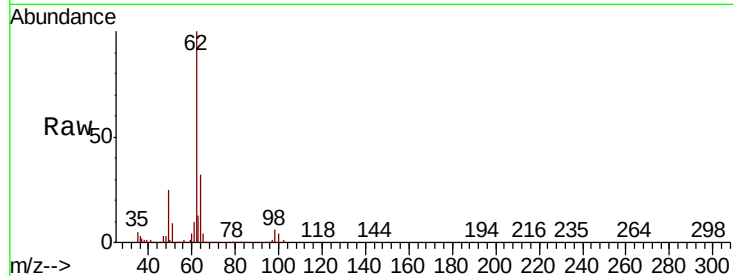




#37
 1,2-Dichloroethane
 Concen: 9.391 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

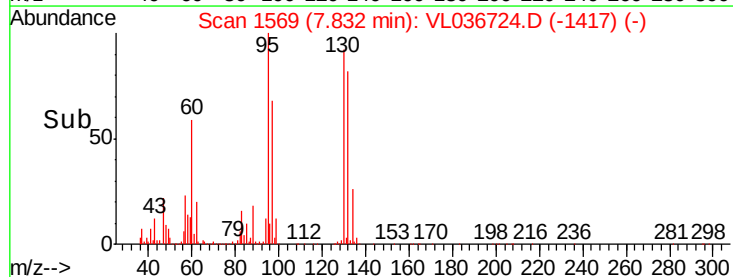
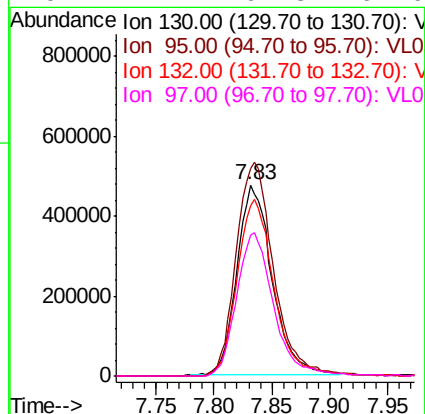
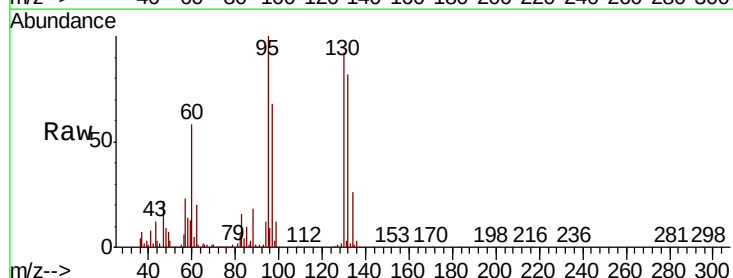
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

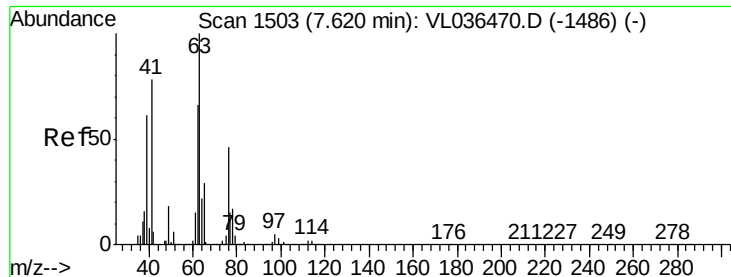
Tot Ion: 62 Resp: 1580293
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3



#38
 Trichloroethene
 Concen: 9.024 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 130 Resp: 1004159
 Ion Ratio Lower Upper
 130 100
 95 109.4 95.7 143.5
 132 89.4 76.2 114.4
 97 74.4 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.172 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

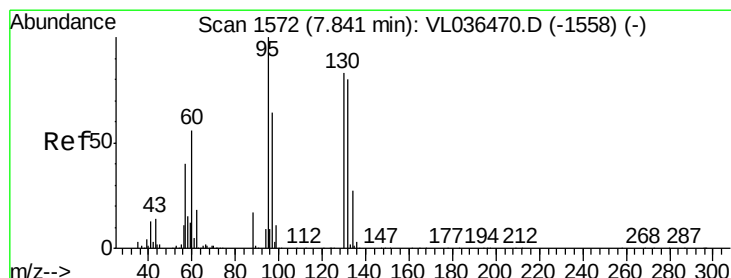
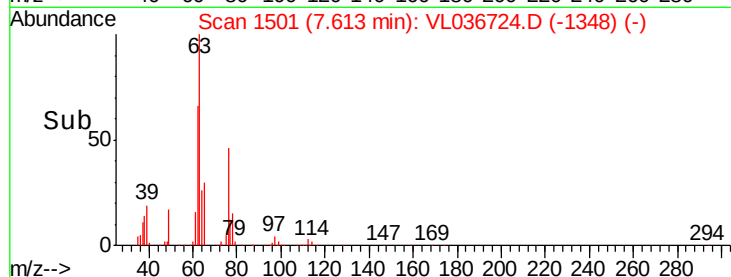
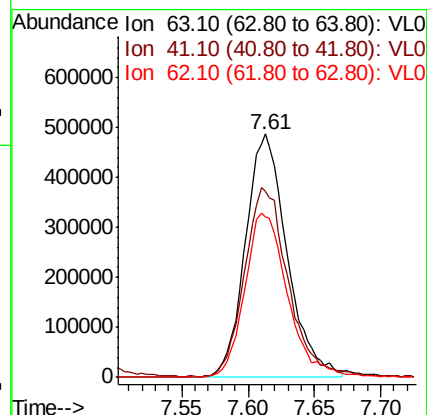
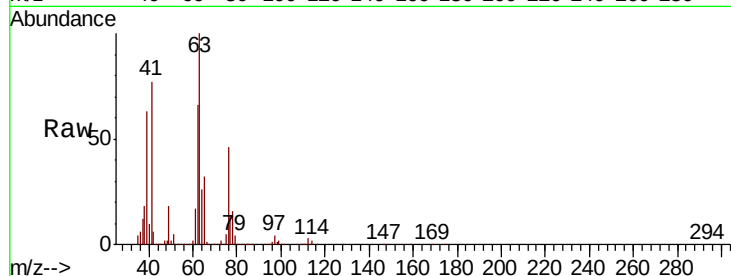
Tot Ion: 63 Resp: 1063820

Ion Ratio Lower Upper

63 100

41 76.1 62.4 93.6

62 65.7 52.8 79.2



#40

1,4-Dioxane

Concen: 4.354 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 88 Resp: 117540

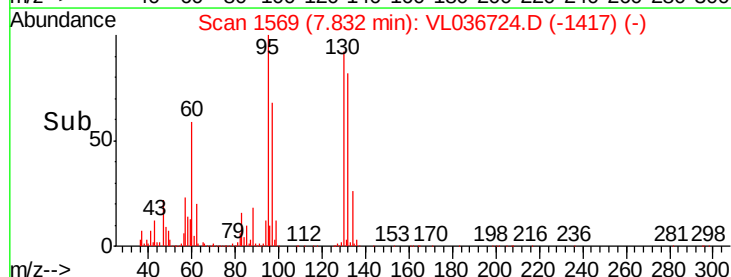
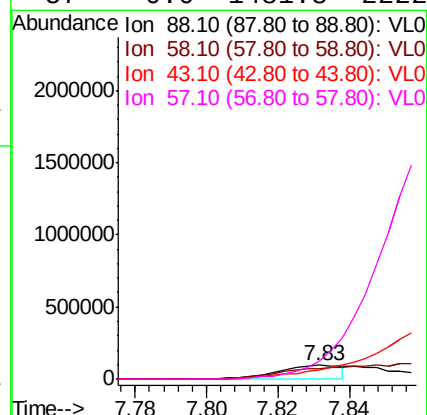
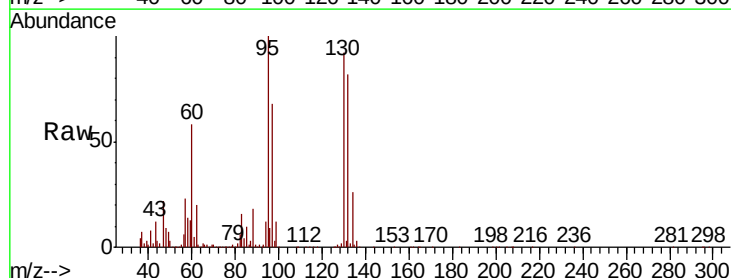
Ion Ratio Lower Upper

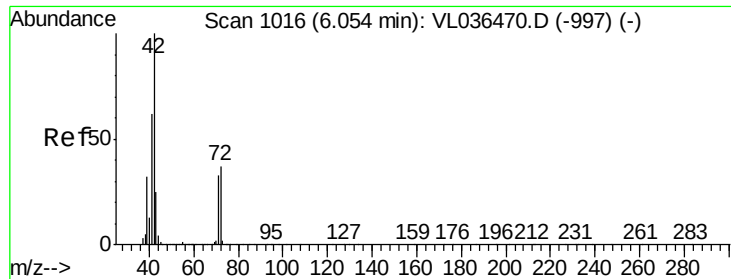
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

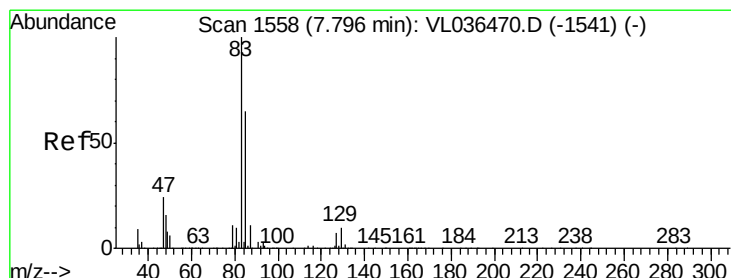
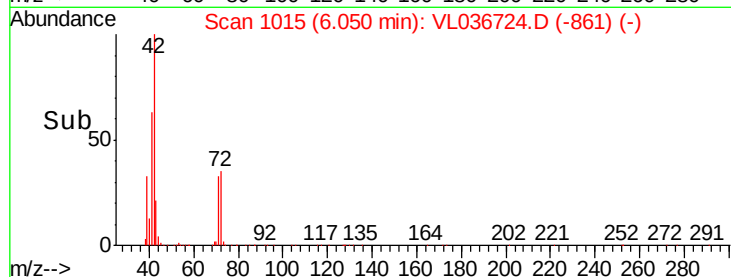
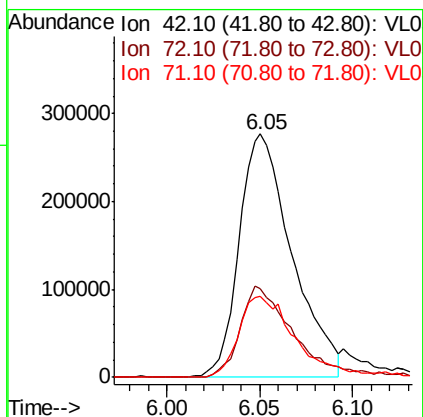
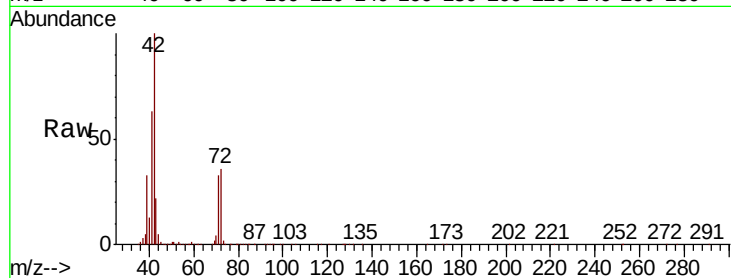




#41
Tetrahydrofuran
Concen: 7.840 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

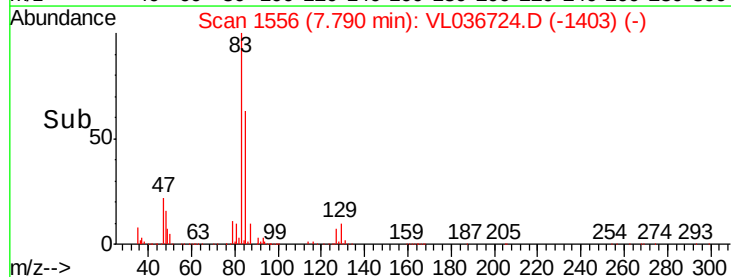
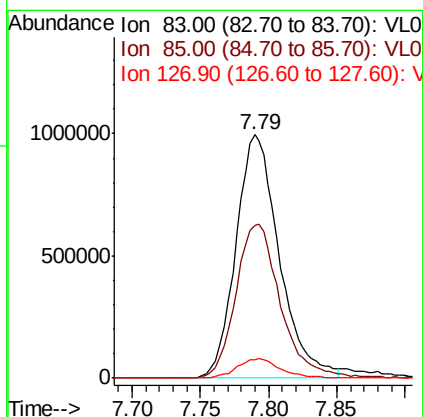
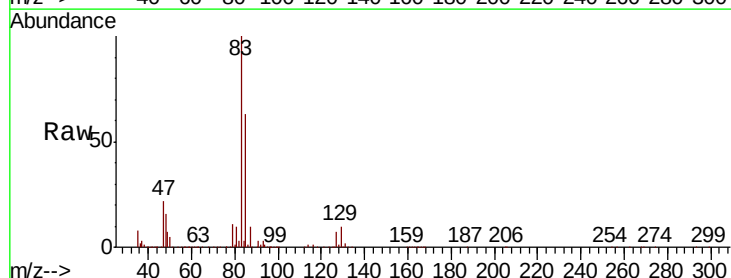
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

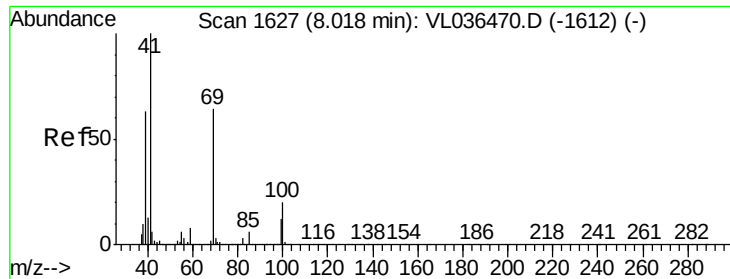
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	27.6	41.4
71	36.6	27.0	40.4



#42
Bromodichloromethane
Concen: 9.584 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.6
127	7.4	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.629 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.00 min

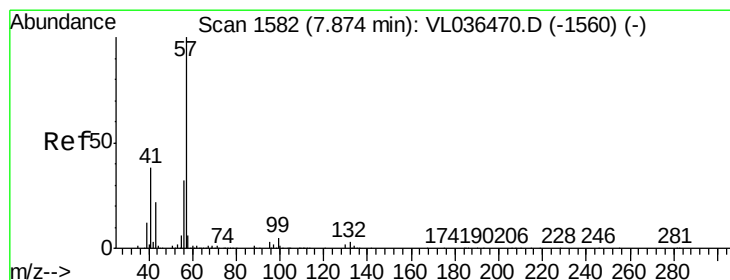
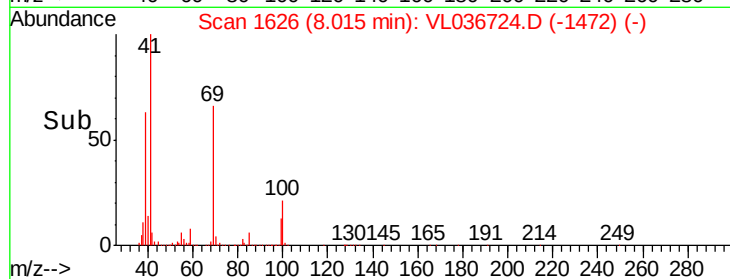
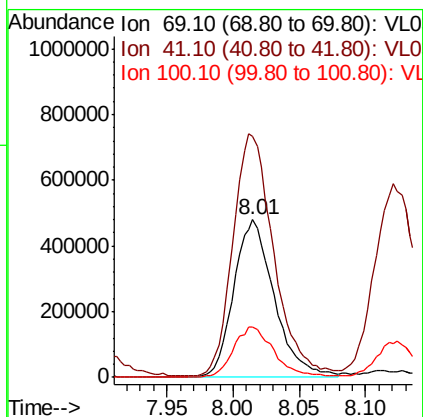
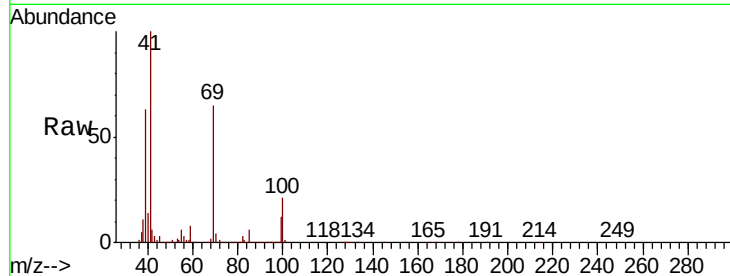
Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1020463

Ion	Ratio	Lower	Upper
69	100		
41	156.6	126.8	190.2
100	32.2	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 9.619 ppbv

RT: 7.87 min Scan# 1581

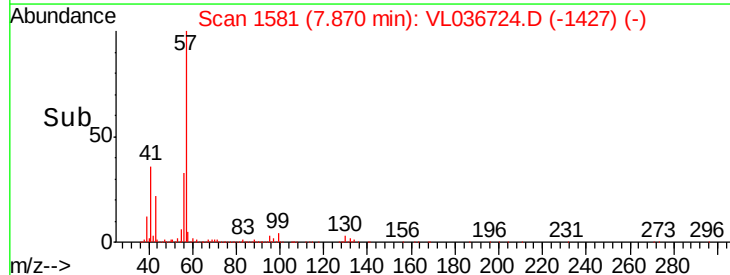
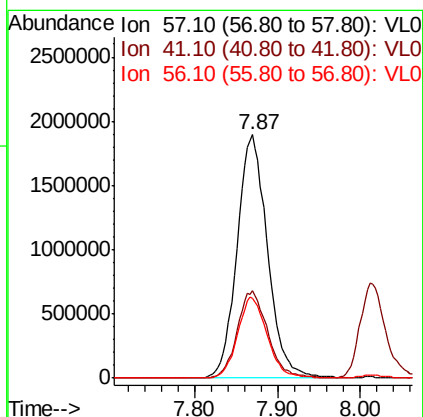
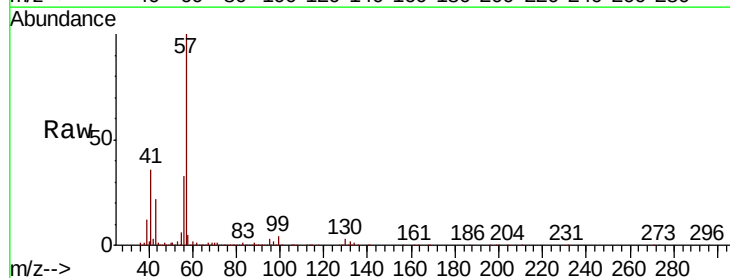
Delta R.T. -0.00 min

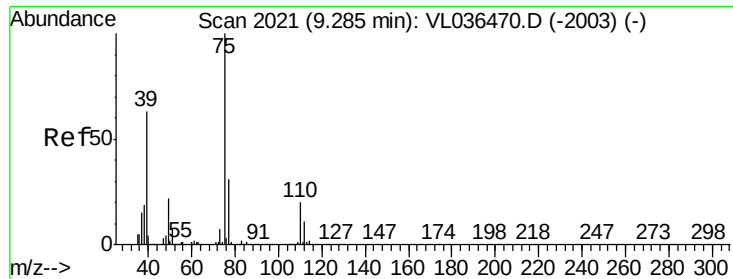
Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 57 Resp: 4840532

Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.8	43.2
56	32.3	26.1	39.1

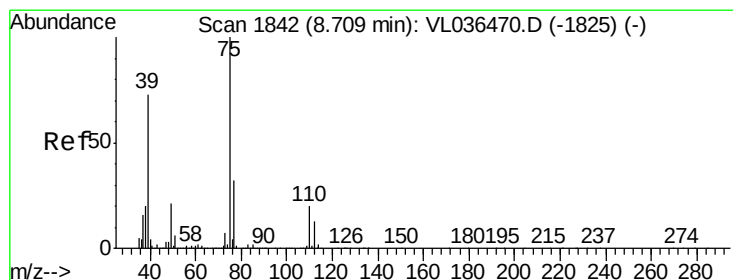
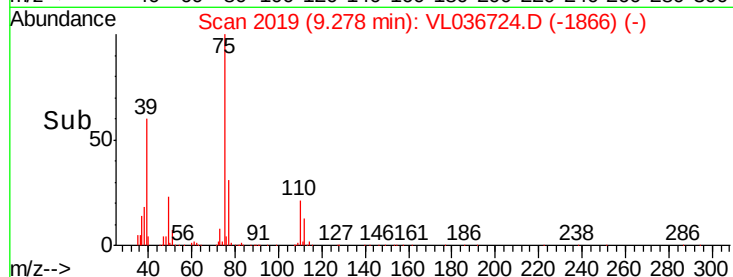
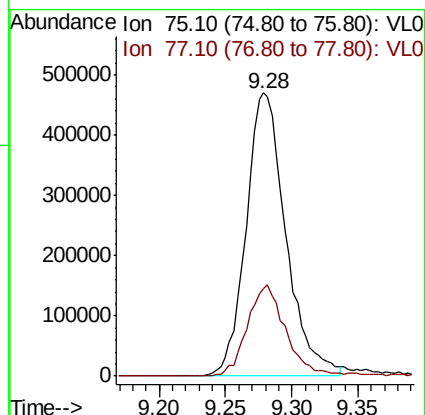
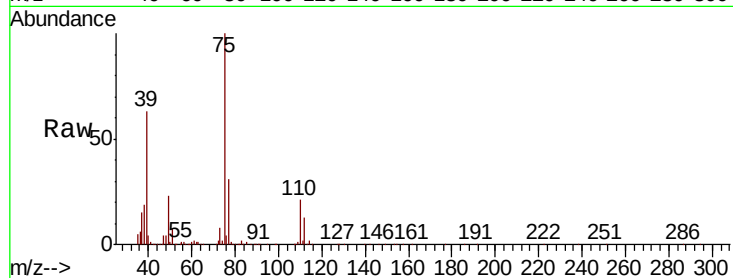




#45
 t-1,3-Dichloropropene
 Concen: 8.934 ppbv
 RT: 9.28 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

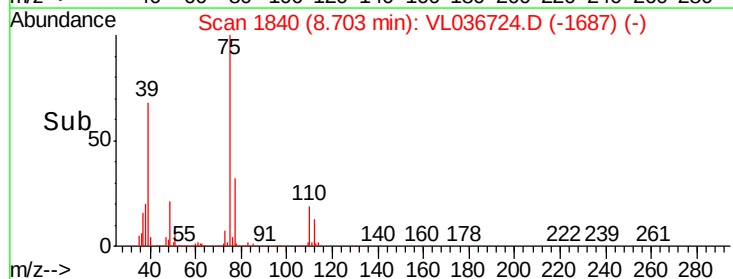
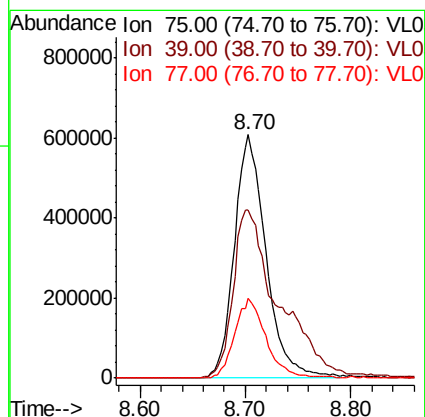
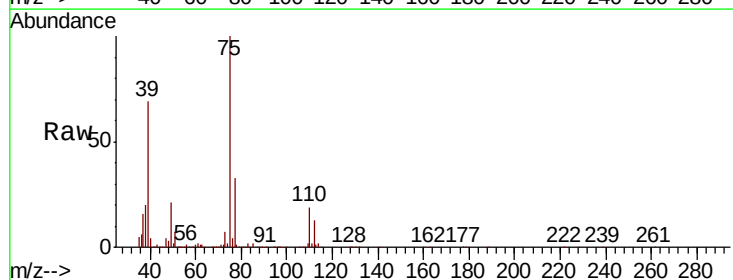
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

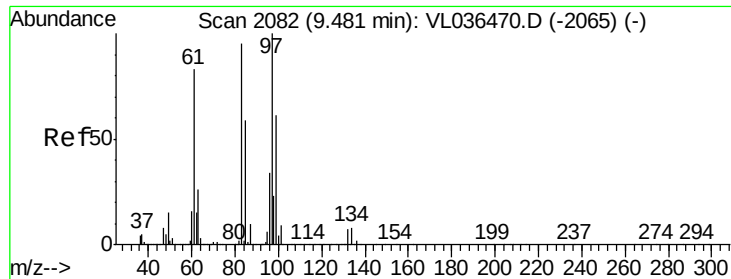
Tot Ion: 75 Resp: 979478
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.1 37.7



#46
 cis-1,3-Dichloropropene
 Concen: 9.043 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 75 Resp: 1267330
 Ion Ratio Lower Upper
 75 100
 39 68.8 58.2 87.2
 77 32.5 25.2 37.8

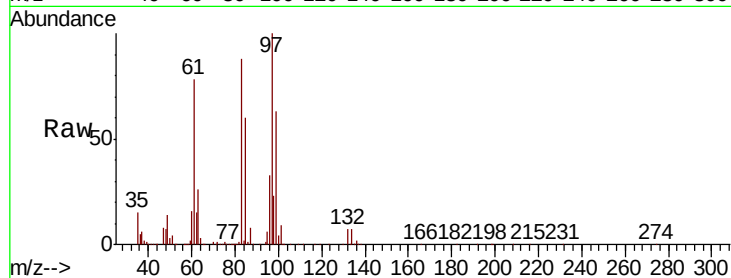




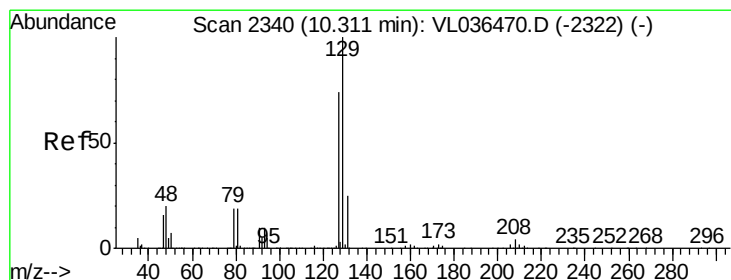
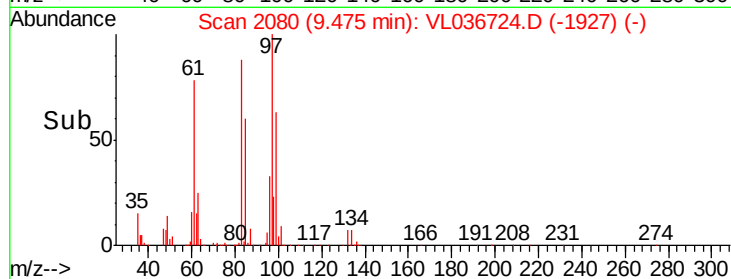
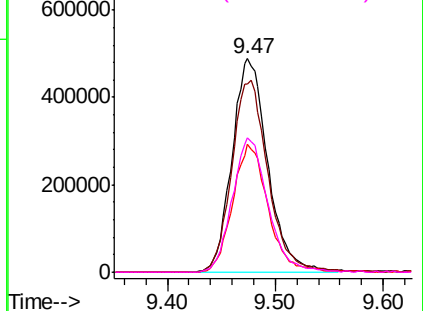
#47
 1,1,2-Trichloroethane
 Concen: 9.600 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1127747
 Ion Ratio Lower Upper
 97 100
 83 88.2 75.8 113.8
 85 59.6 47.1 70.7
 99 63.2 49.2 73.8

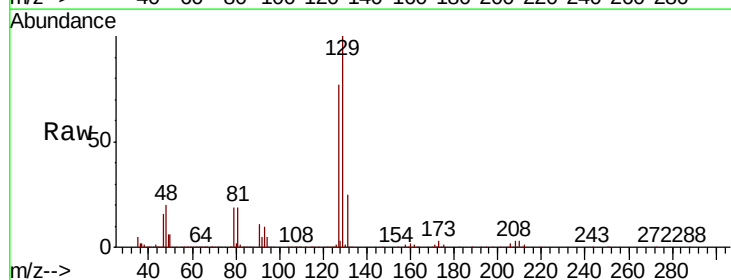


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

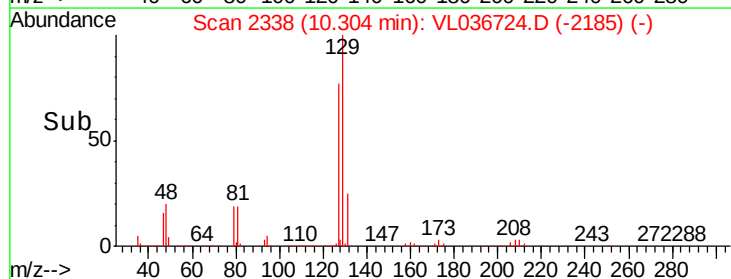
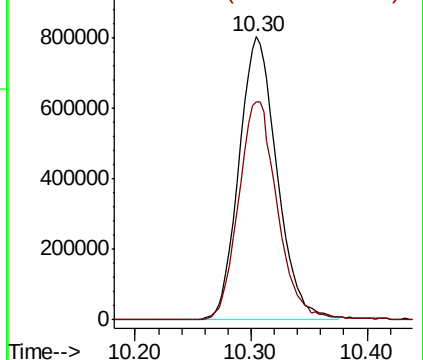


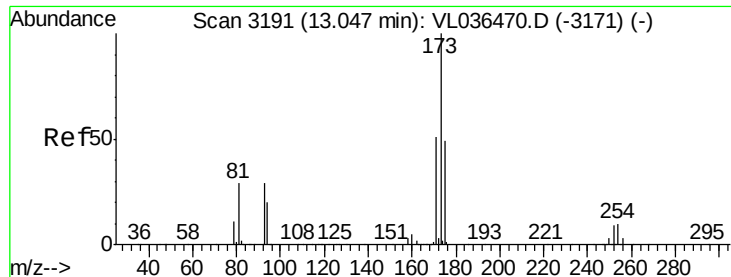
#48
 Dibromochloromethane
 Concen: 10.184 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 129 Resp: 1823828
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.322 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

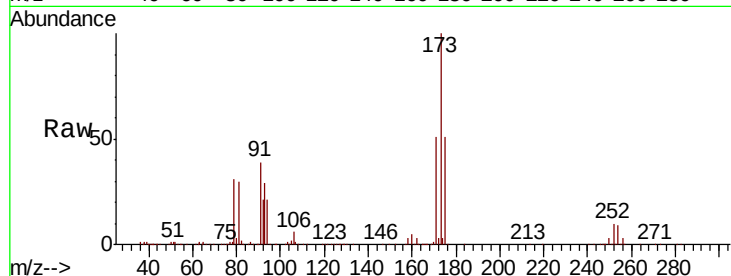
Tot Ion:173 Resp: 1489436

Ion Ratio Lower Upper

173 100

175 50.7 39.6 59.4

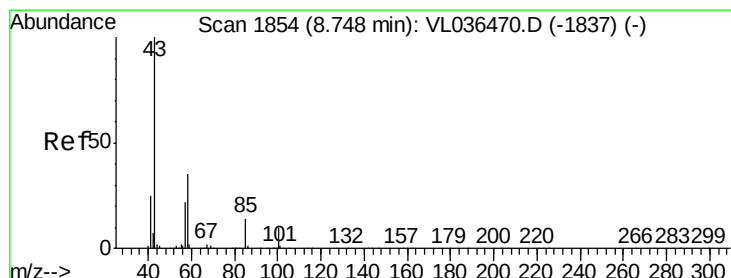
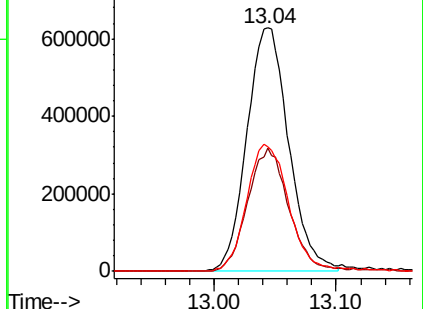
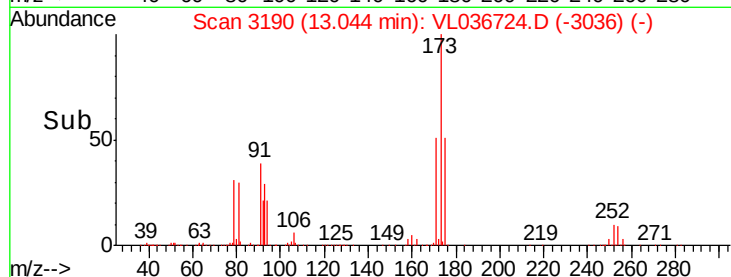
171 53.2 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.891 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036724.D

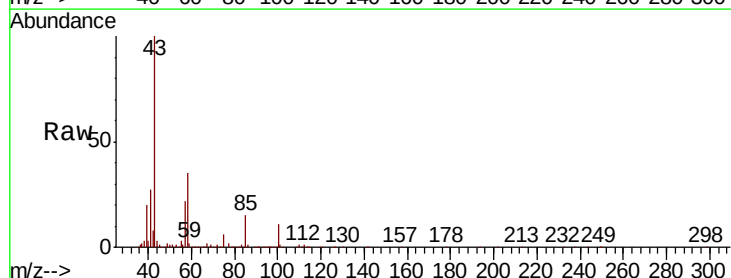
Acq: 7 Apr 2021 11:02

Tgt Ion: 43 Resp: 1946766

Ion Ratio Lower Upper

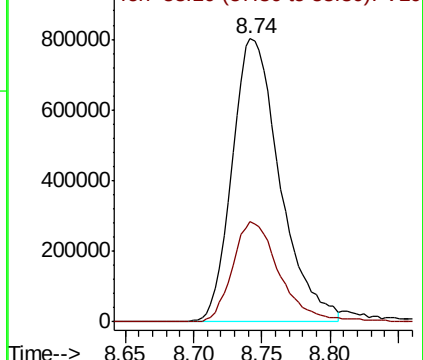
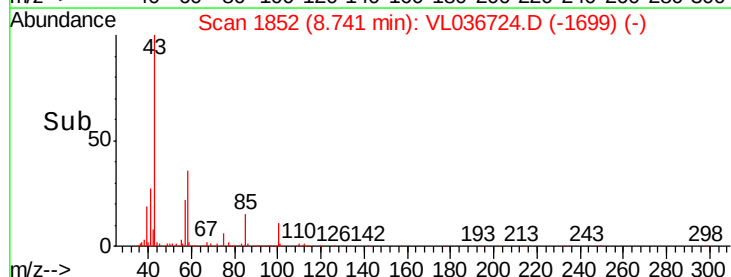
43 100

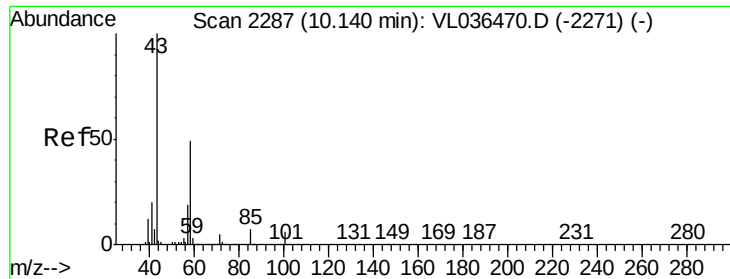
58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.481 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

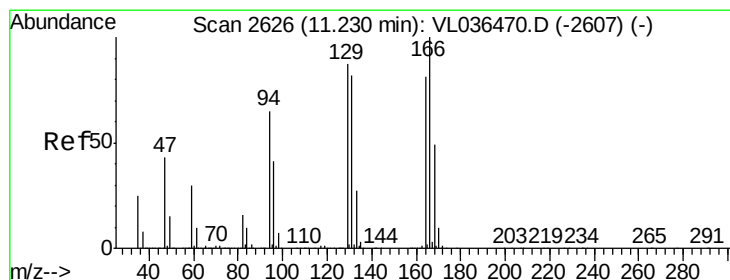
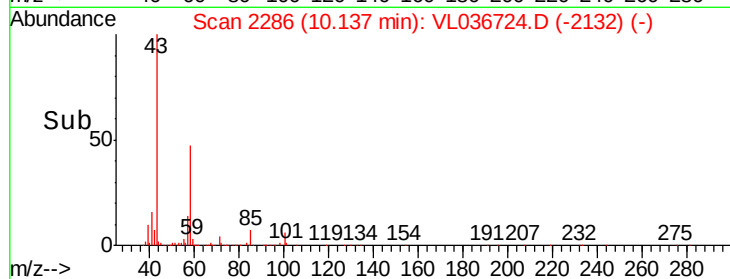
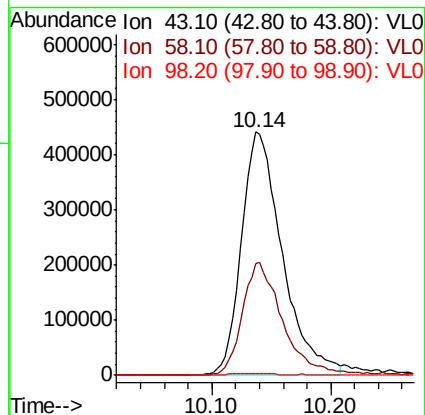
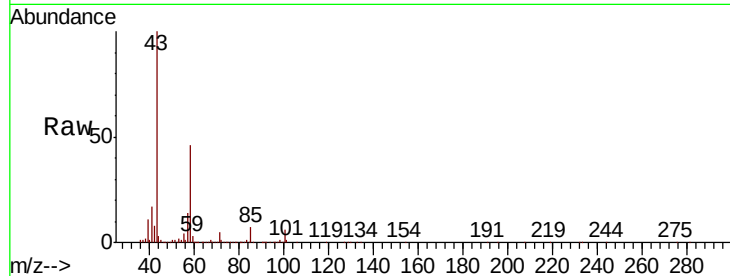
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1047653

Ion	Ratio	Lower	Upper
43	100		
58	46.3	37.7	56.5
98	1.0	0.2	0.2#



#52

Tetrachloroethene

Concen: 8.963 ppbv

RT: 11.22 min Scan# 2624

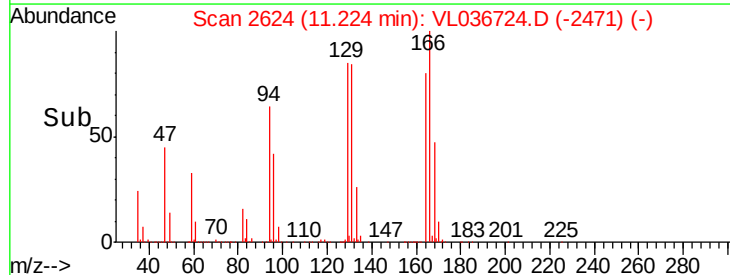
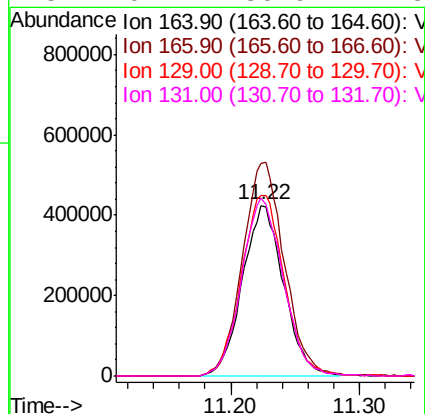
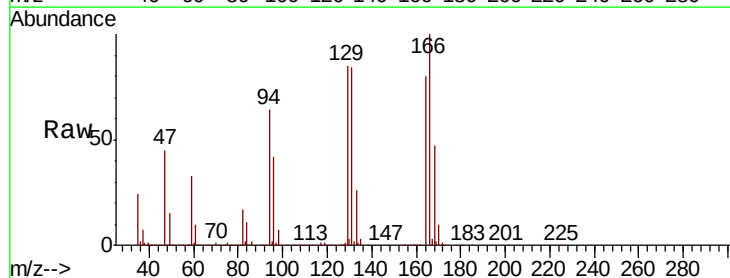
Delta R.T. -0.01 min

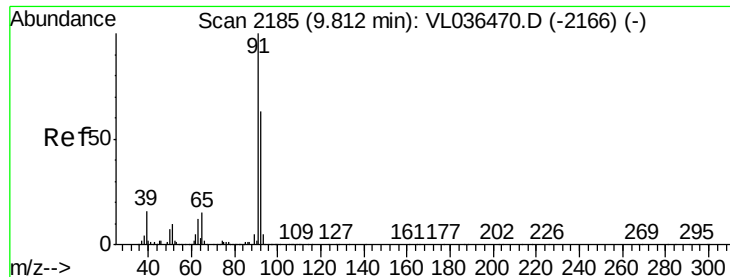
Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 164 Resp: 943625

Ion	Ratio	Lower	Upper
164	100		
166	124.4	98.3	147.5
129	105.4	85.8	128.8
131	104.1	80.9	121.3





#53

Toluene

Concen: 10.164 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

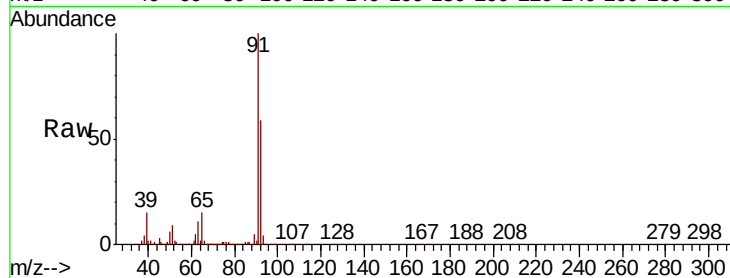
VSTDCCC010EC

Tot Ion: 91 Resp: 3094745

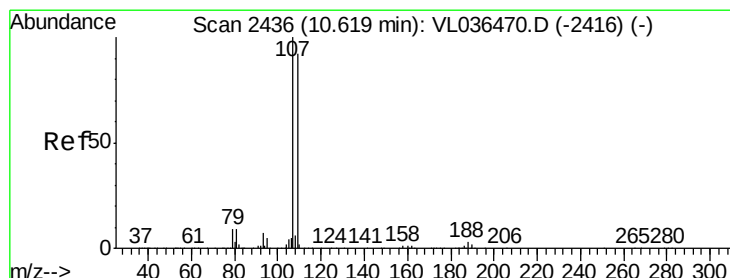
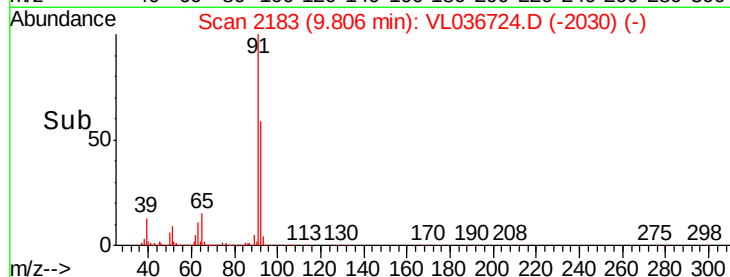
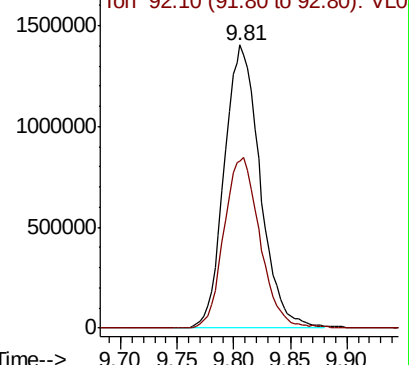
Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.753 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL036724.D

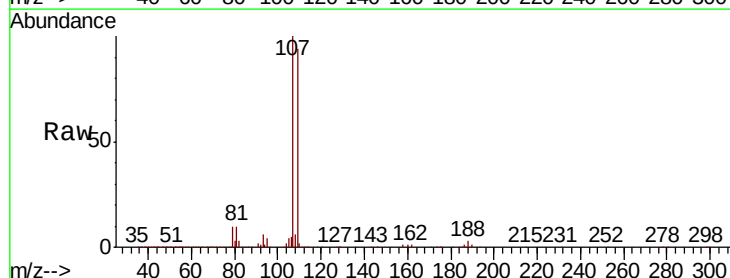
Acq: 7 Apr 2021 11:02

Tgt Ion: 107 Resp: 1618120

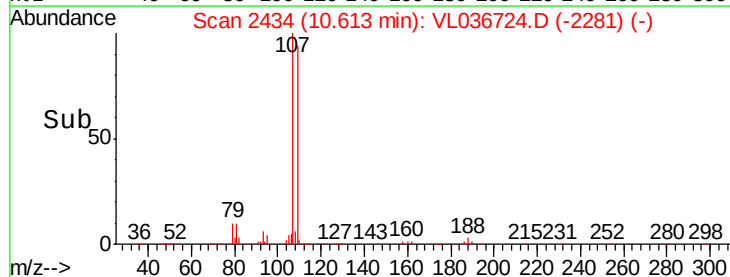
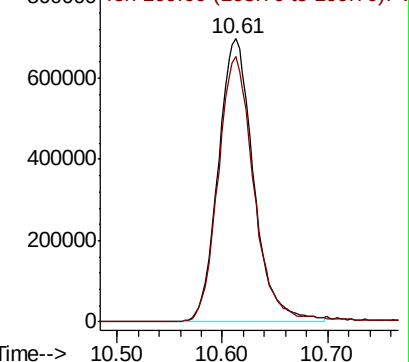
Ion Ratio Lower Upper

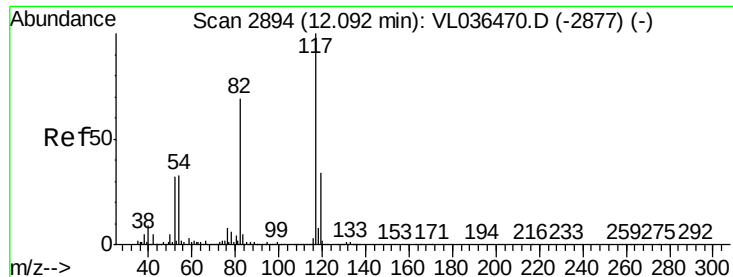
107 100

109 93.6 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

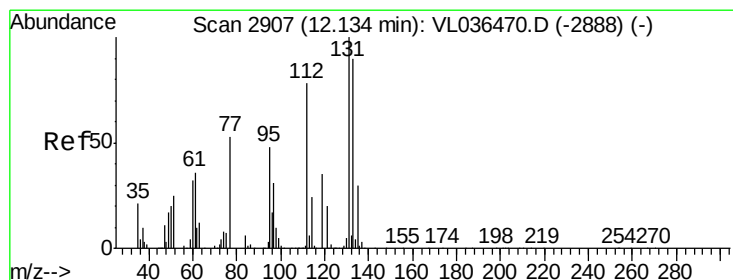
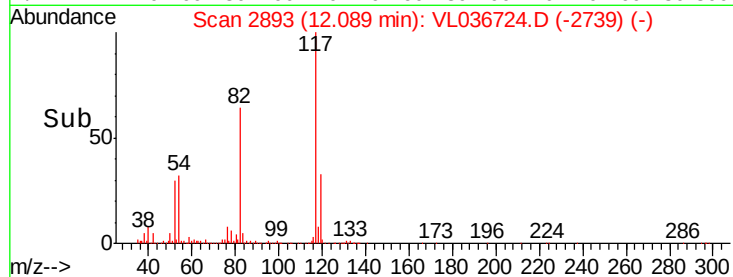
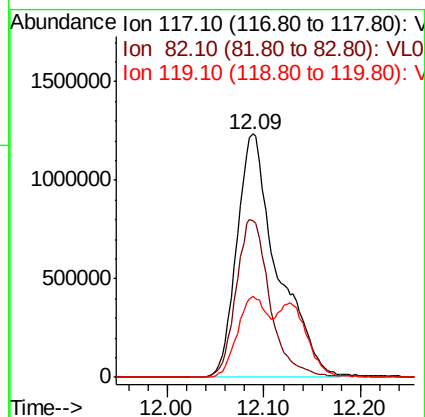
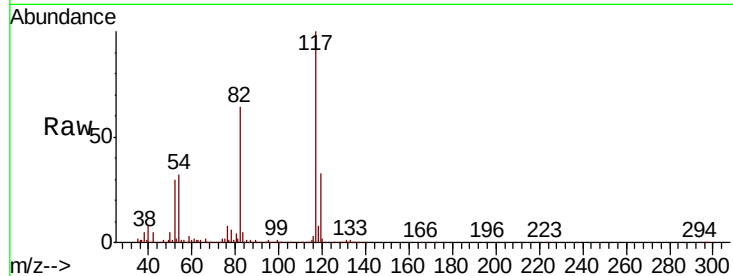




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

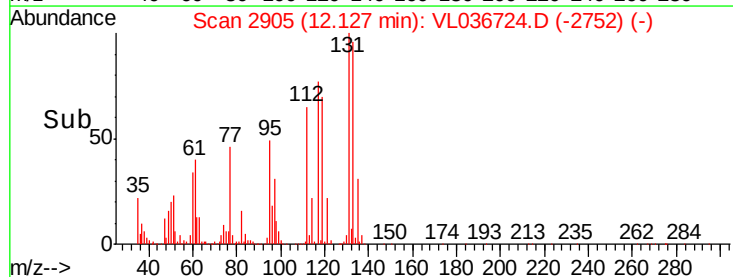
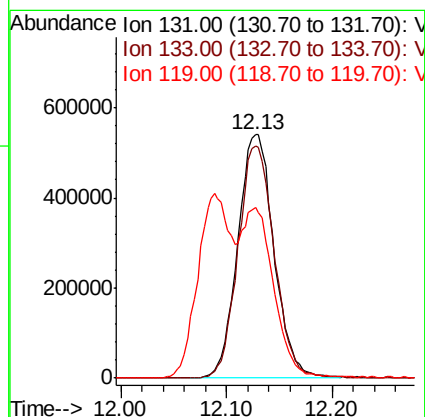
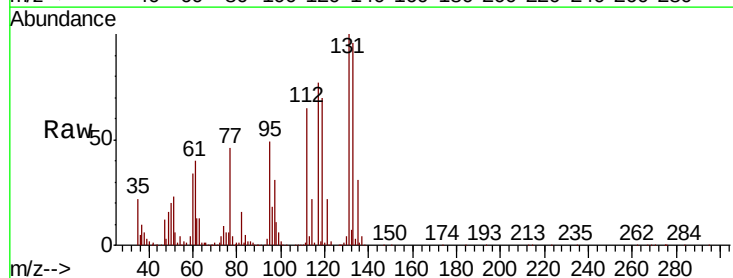
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

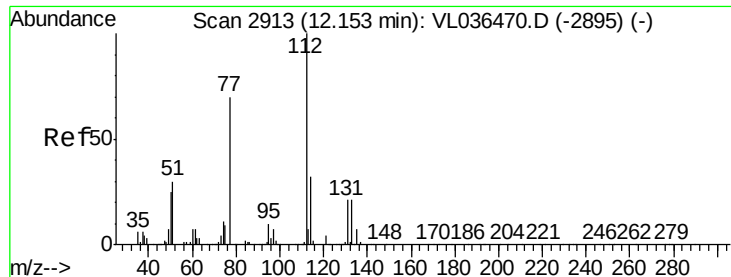
Tot Ion:117 Resp: 3607666
Ion Ratio Lower Upper
117 100
82 54.7 57.4 86.0#
119 26.4 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.898 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion:131 Resp: 1288808
Ion Ratio Lower Upper
131 100
133 95.8 75.8 113.6
119 69.5 48.7 73.1





#57

Chlorobenzene

Concen: 7.550 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

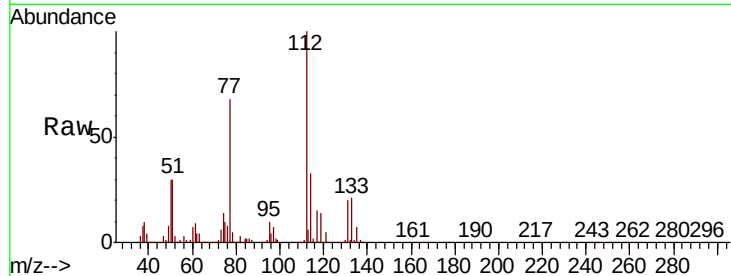
Tot Ion:112 Resp: 2317437

Ion Ratio Lower Upper

112 100

77 67.5 56.0 84.0

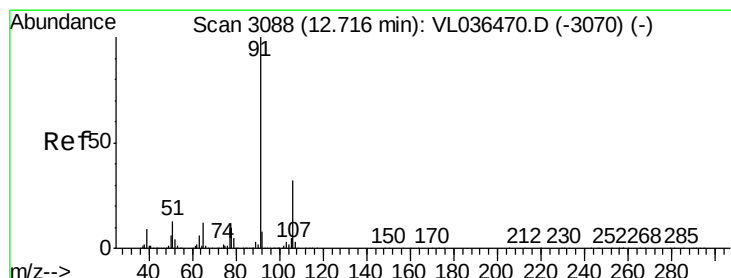
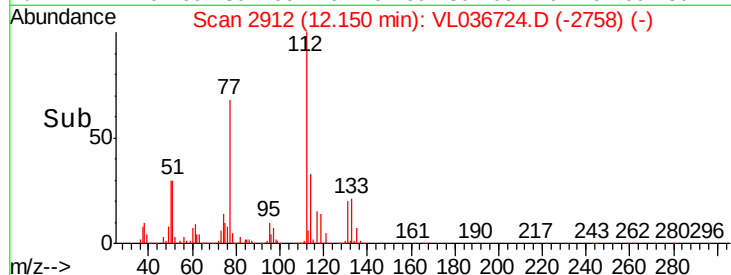
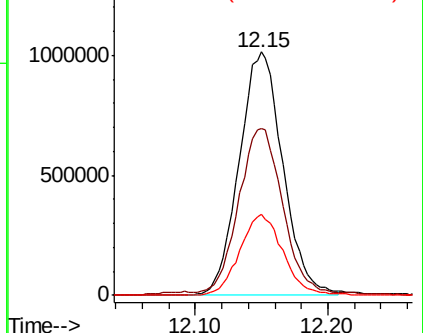
114 32.9 29.0 35.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.003 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL036724.D

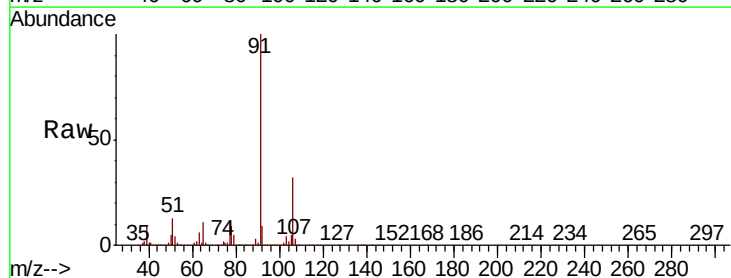
Acq: 7 Apr 2021 11:02

Tgt Ion: 91 Resp: 4200659

Ion Ratio Lower Upper

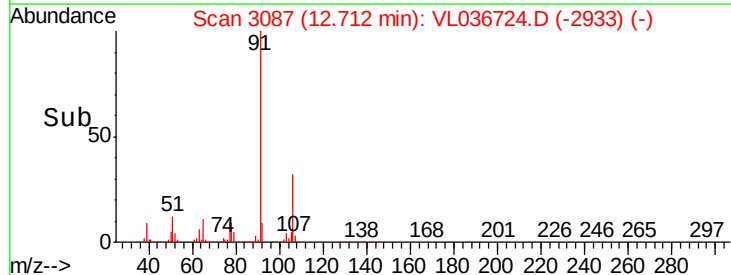
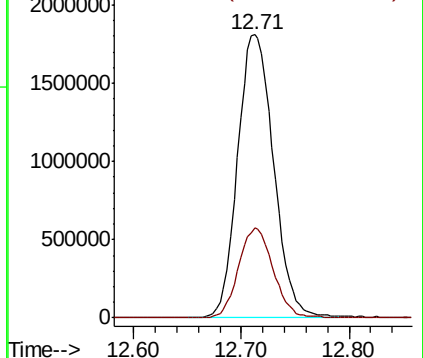
91 100

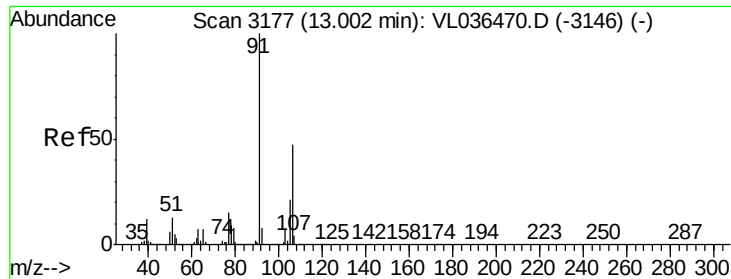
106 31.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

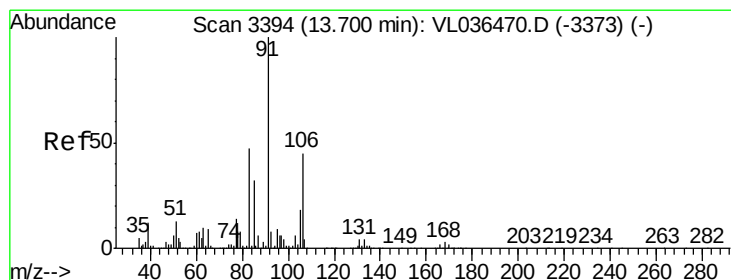
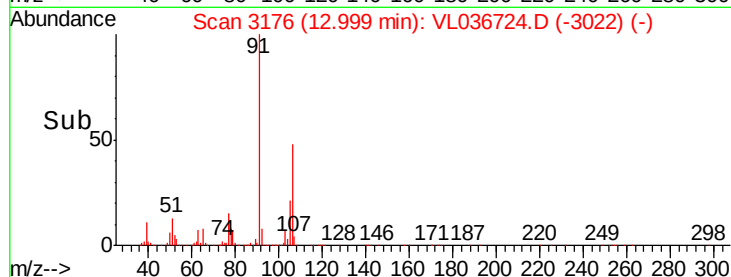
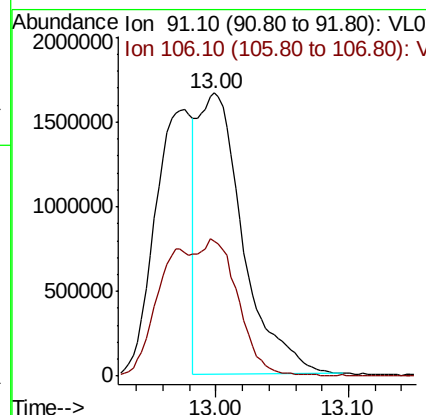
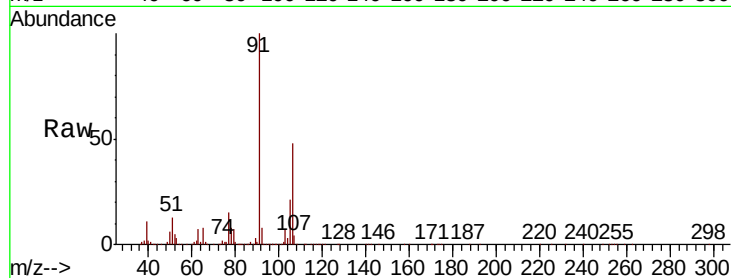




#59
m/p-Xylene
Concen: 8.538 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

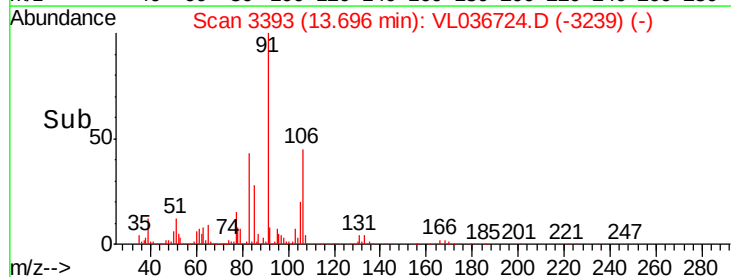
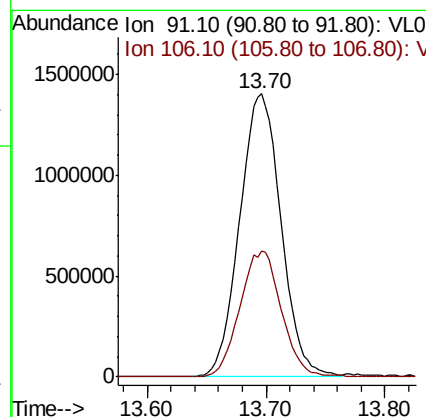
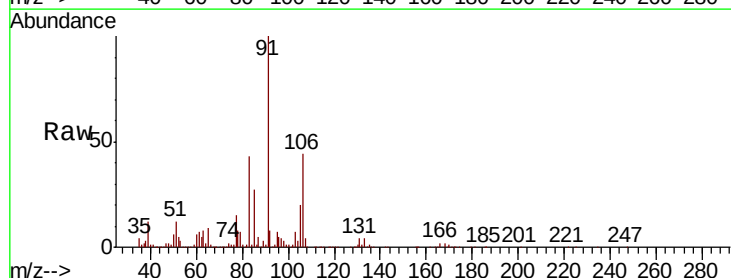
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

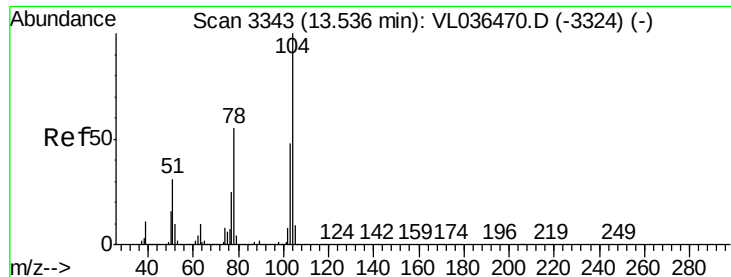
Tot Ion: 91 Resp: 3908720
Ion Ratio Lower Upper
91 100
106 80.3 35.3 52.9#



#60
o-Xylene
Concen: 7.580 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 91 Resp: 3355453
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9





#61

Stvrene

Concen: 8.395 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

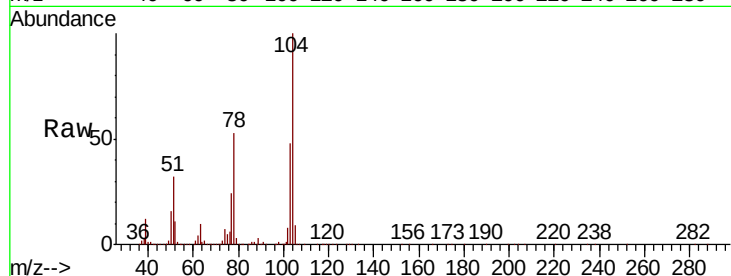
Tot Ion:104 Resp: 1869541

Ion Ratio Lower Upper

104 100

78 52.4 43.8 65.8

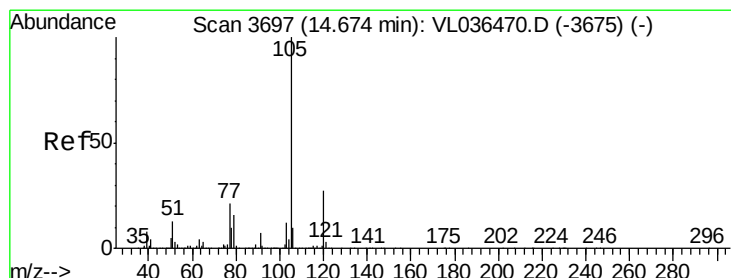
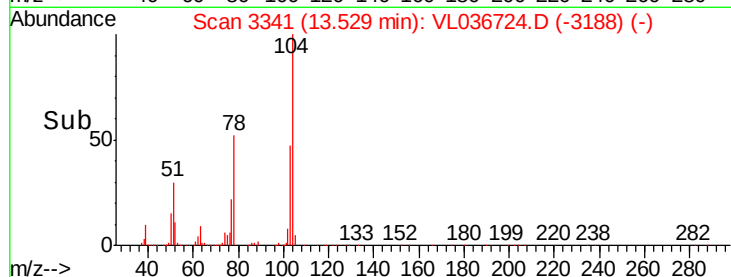
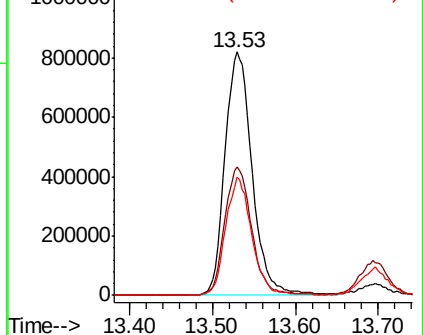
103 46.6 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.884 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL036724.D

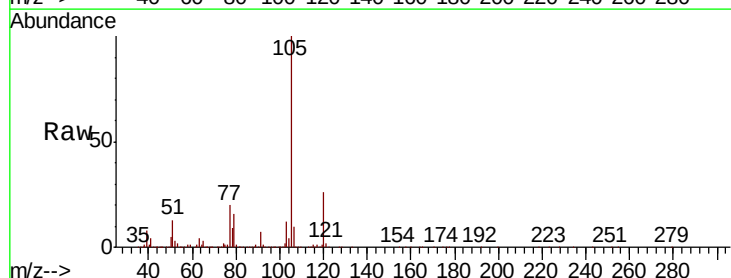
Acq: 7 Apr 2021 11:02

Tgt Ion:105 Resp: 4699479

Ion Ratio Lower Upper

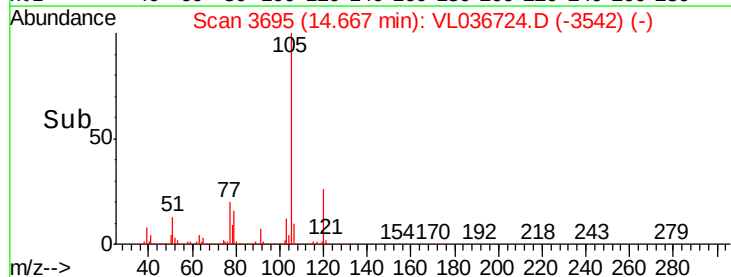
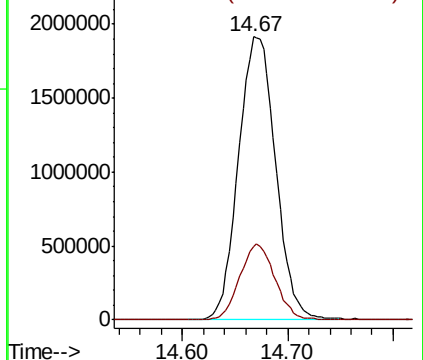
105 100

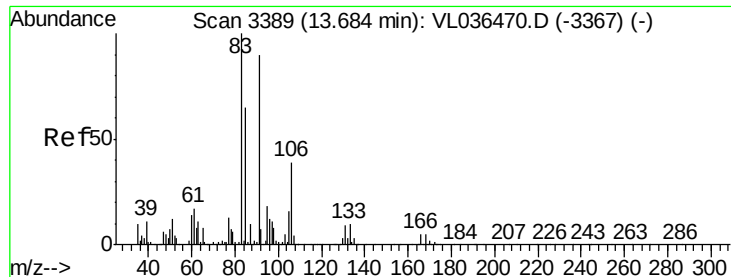
120 25.5 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.363 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

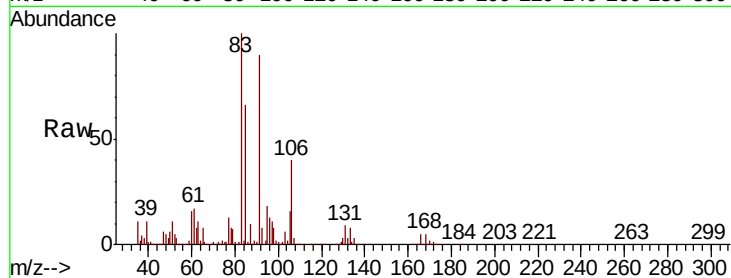
Tot Ion: 83 Resp: 2486368

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.0

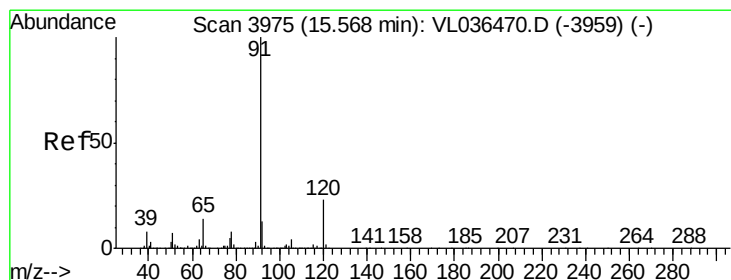
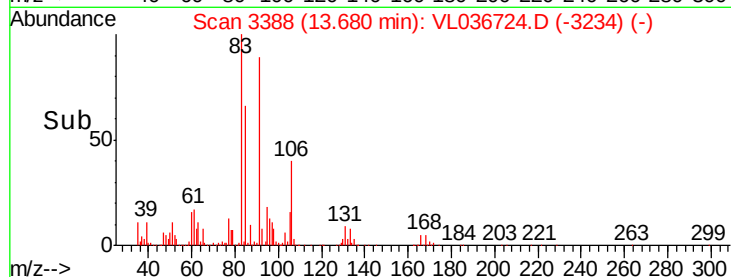
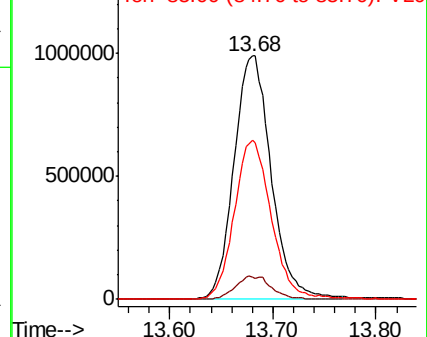
85 65.6 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.398 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VL036724.D

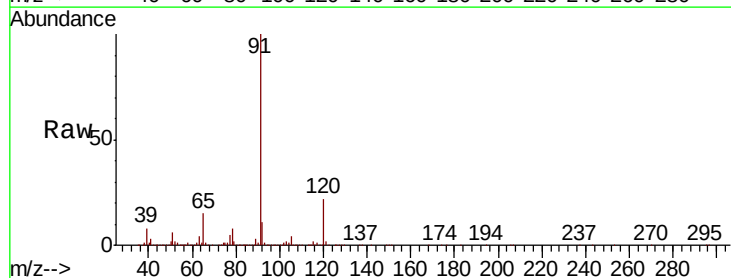
Acq: 7 Apr 2021 11:02

Tgt Ion: 120 Resp: 1223959

Ion Ratio Lower Upper

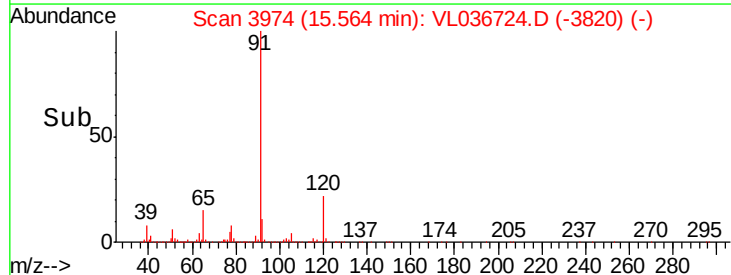
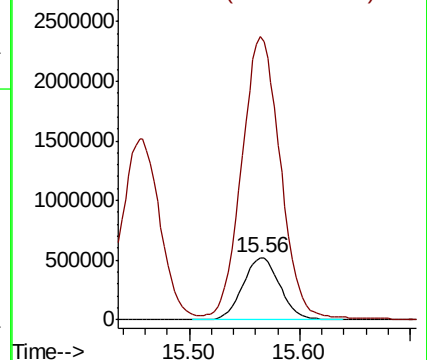
120 100

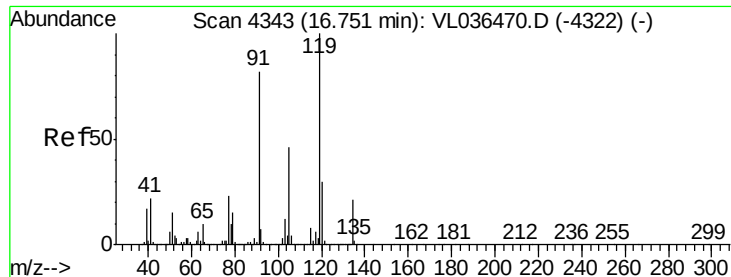
91 475.0 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.884 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

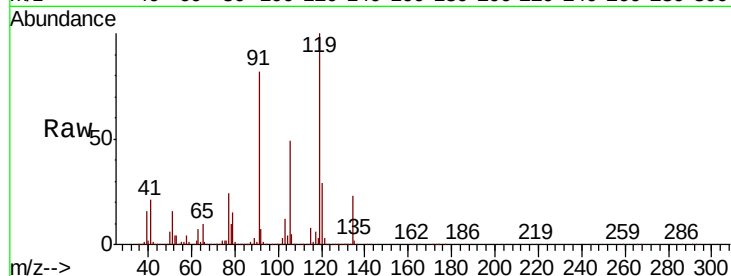
Tot Ion:119 Resp: 4075104

Ion Ratio Lower Upper

119 100

91 84.6 67.5 101.3

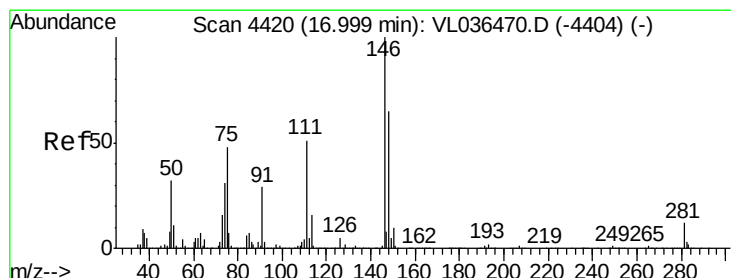
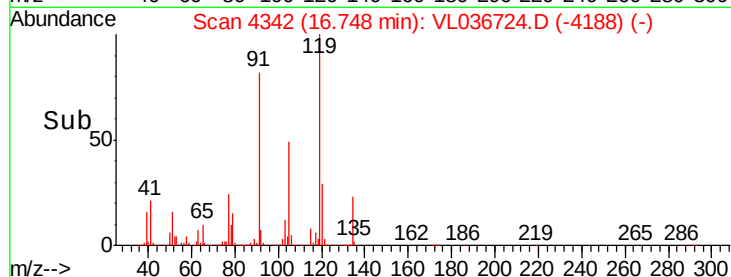
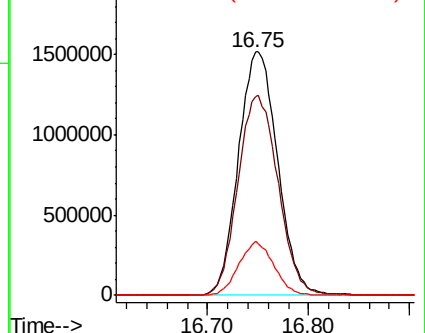
134 19.9 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 5.396 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

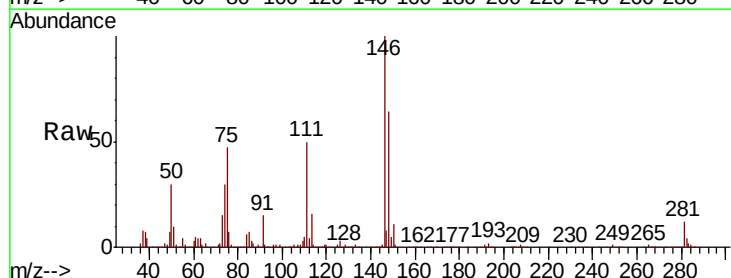
Tgt Ion: 91 Resp: 308310

Ion Ratio Lower Upper

91 100

126 16.7 13.5 20.3

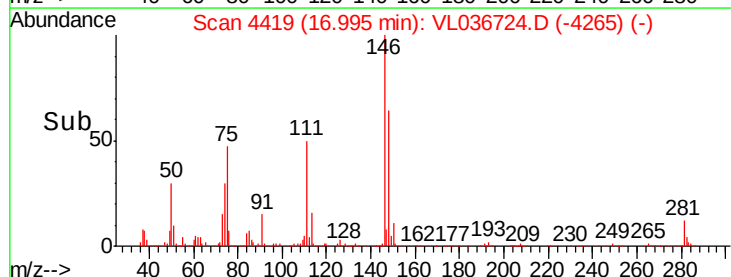
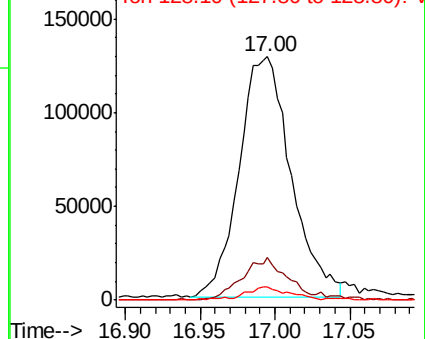
128 5.1 4.2 6.4

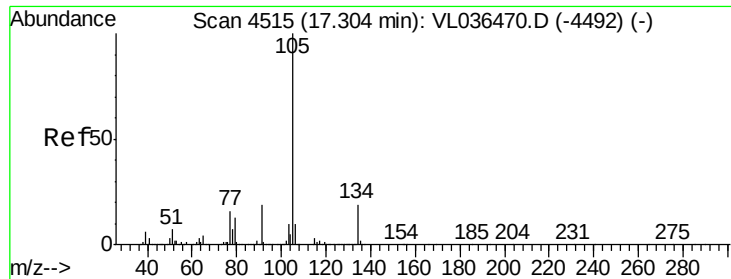


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.894 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

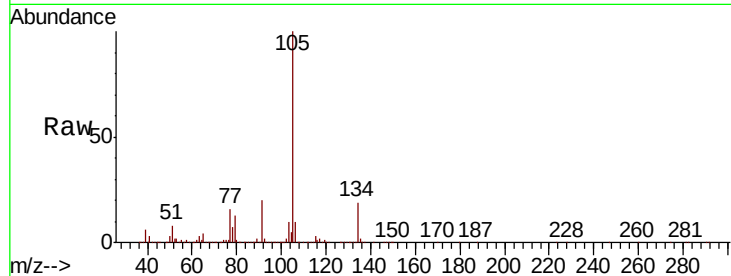
VSTDCCC010EC

Tot Ion:105 Resp: 5759952

Ion Ratio Lower Upper

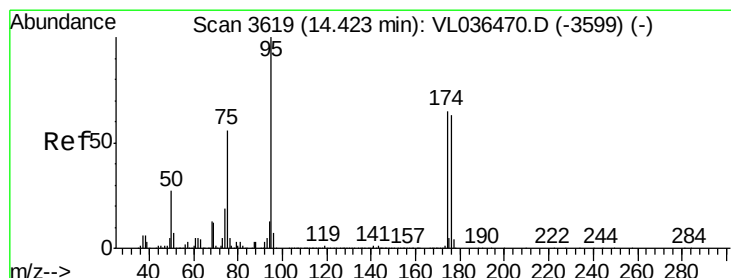
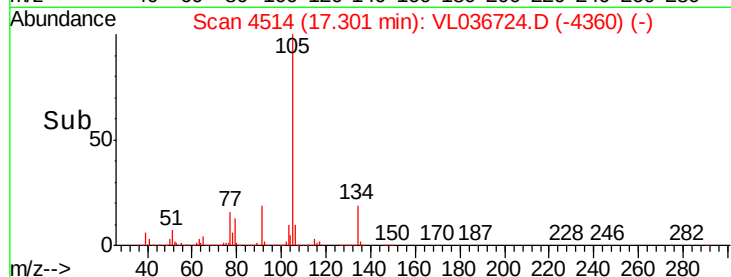
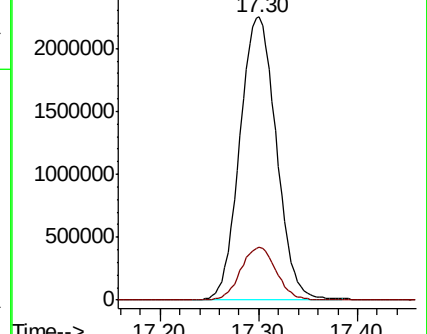
105 100

134 18.3 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.469 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

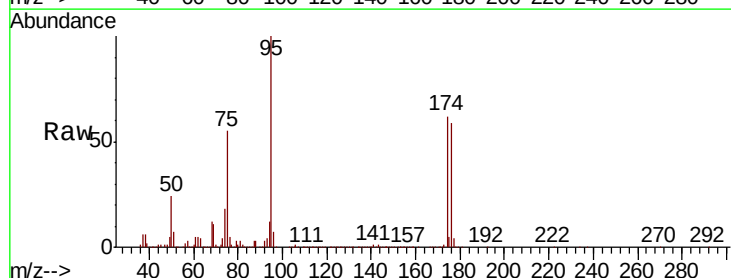
Tgt Ion: 95 Resp: 2434997

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

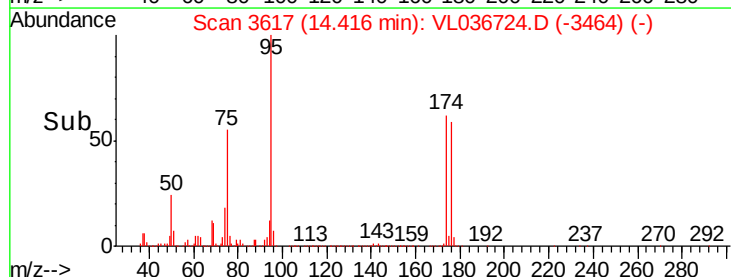
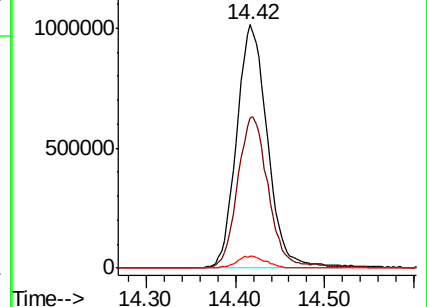
175 4.8 3.9 5.9

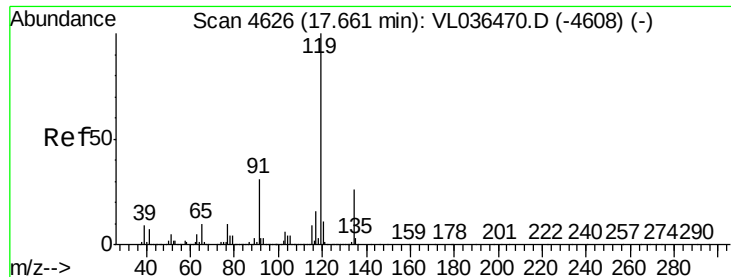


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



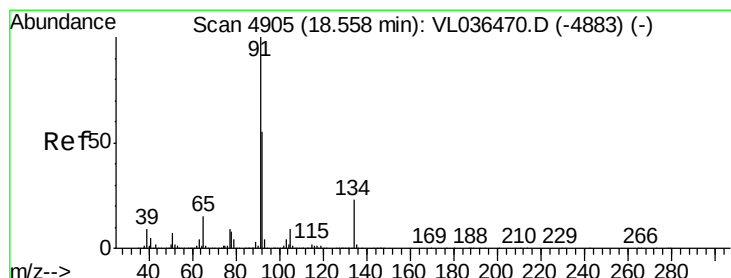
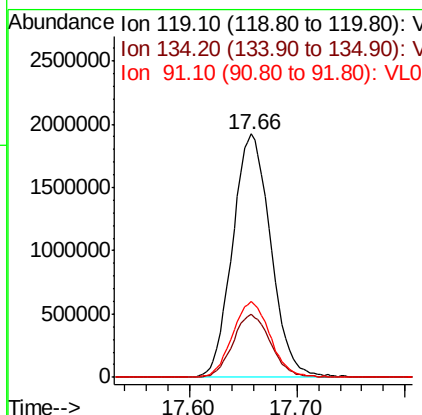
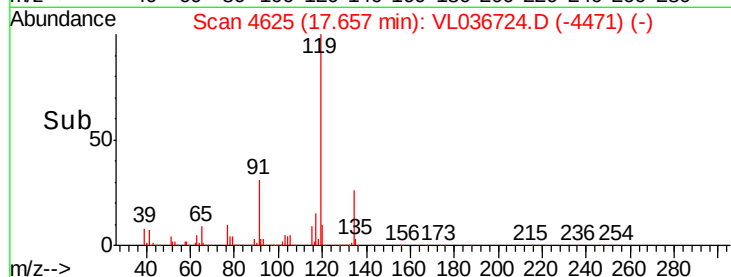
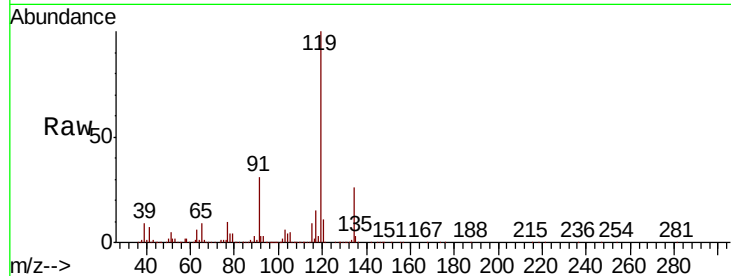


#69
 p-Isopropyltoluene
 Concen: 8.314 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 4736923

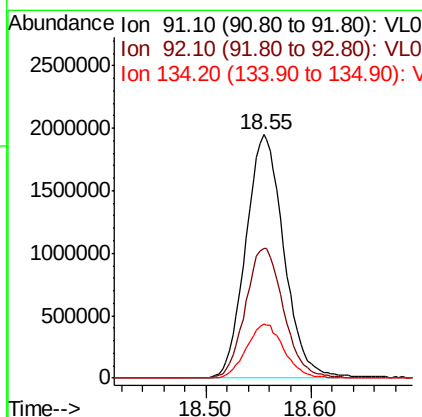
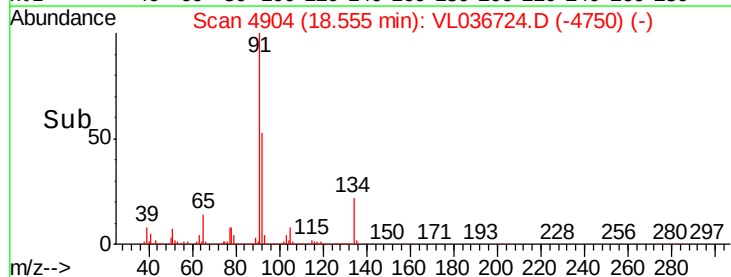
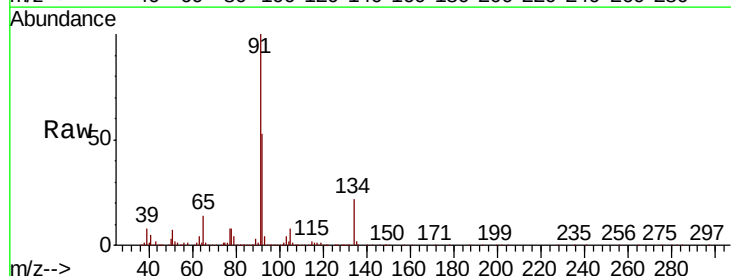
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	30.8	25.0	37.6

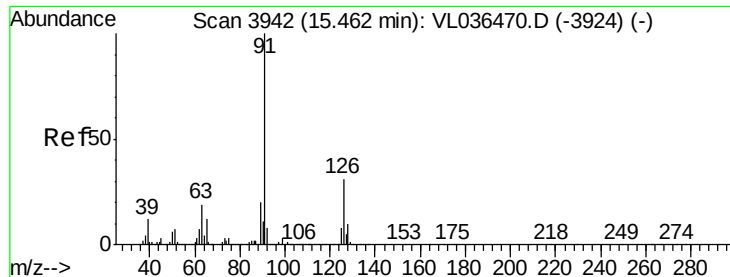


#70
 n-Butylbenzene
 Concen: 8.282 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 91 Resp: 4892594

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.8
134	22.1	18.0	27.0

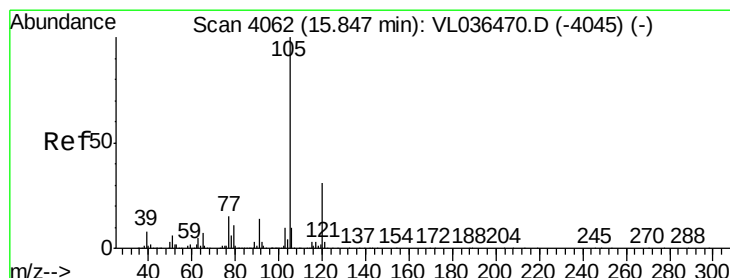
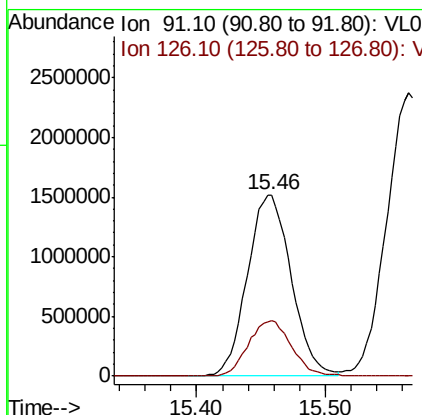
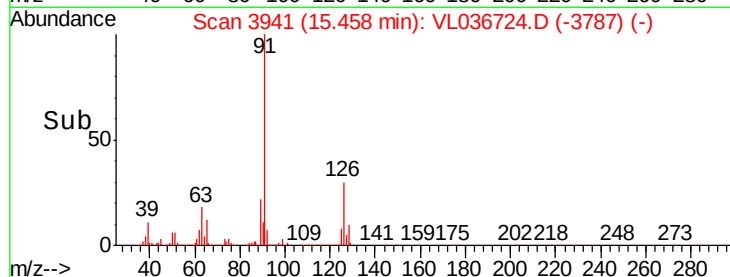
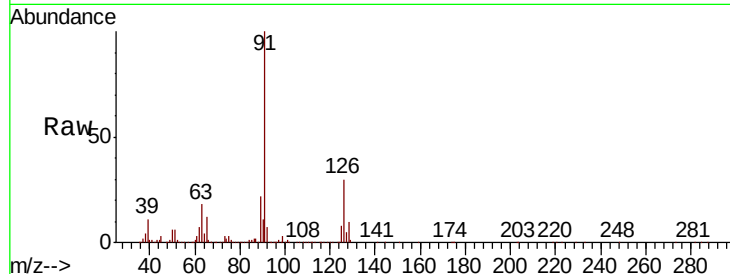




#71
 2-Chlorotoluene
 Concen: 8.058 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

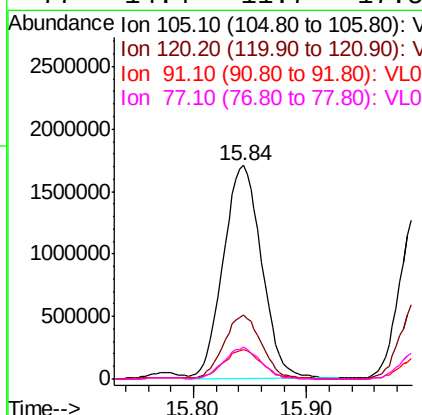
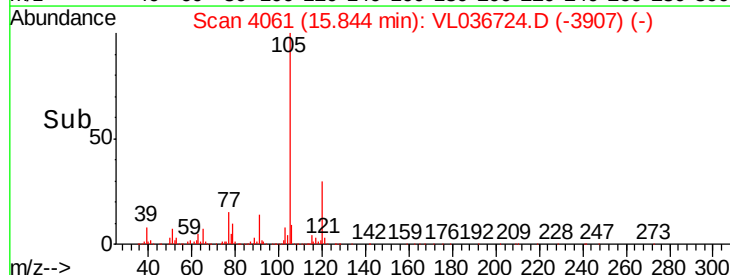
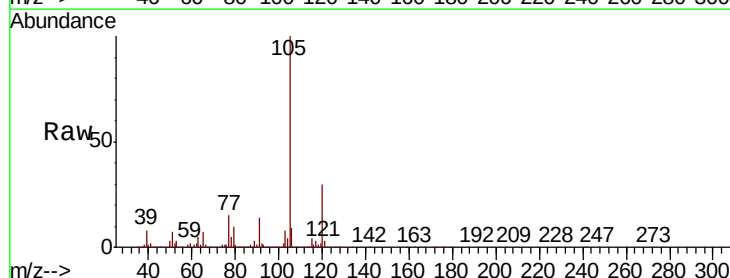
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

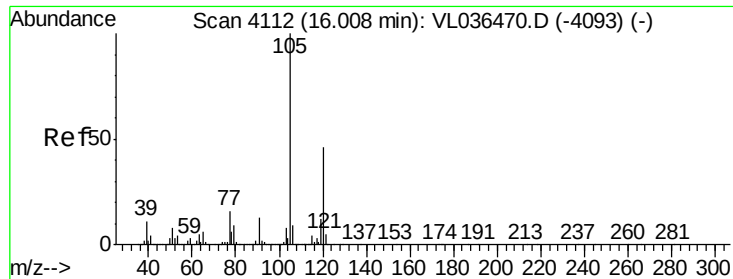
Tot Ion: 91 Resp: 3599232
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.279 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 105 Resp: 4015457
 Ion Ratio Lower Upper
 105 100
 120 29.5 24.0 36.0
 91 13.4 11.0 16.4
 77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.953 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

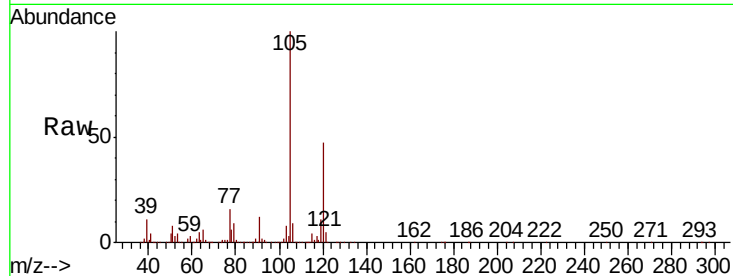
VSTDCCC010EC

Tot Ion:105 Resp: 3600124

Ion Ratio Lower Upper

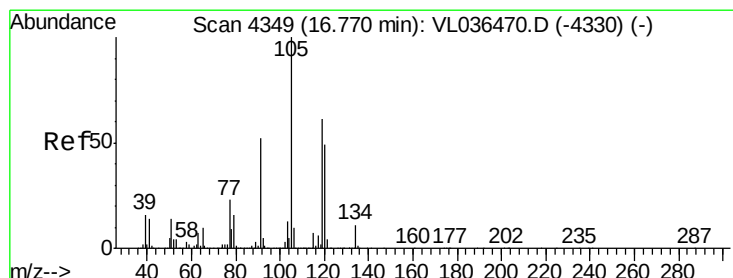
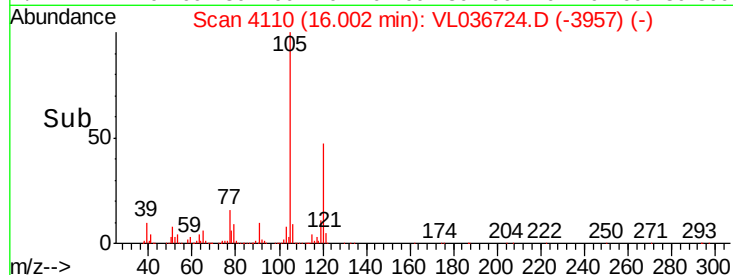
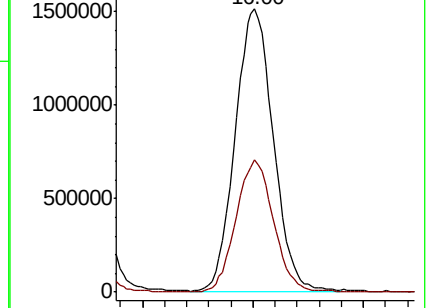
105 100

120 46.9 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.738 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion:105 Resp: 3748847

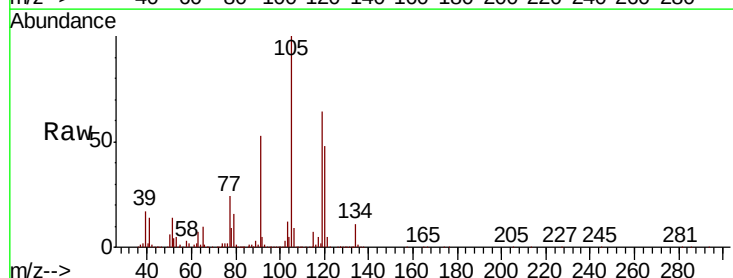
Ion Ratio Lower Upper

105 100

120 47.7 39.2 58.8

91 52.8 42.6 64.0

77 23.9 18.6 28.0

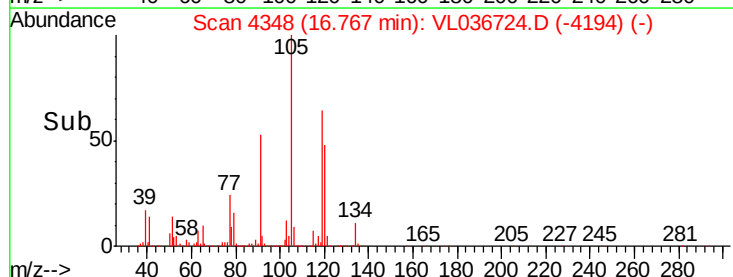
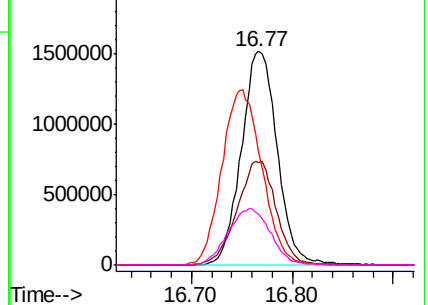


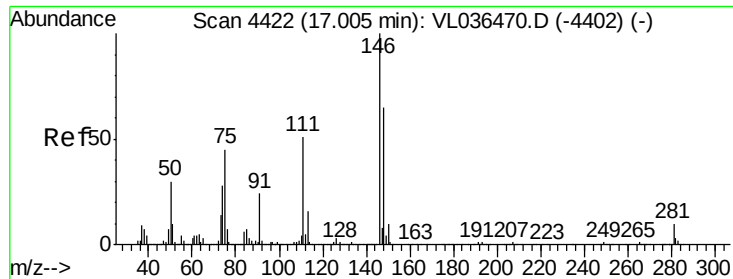
Abundance Ion 105.10 (104.80 to 105.80): V

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

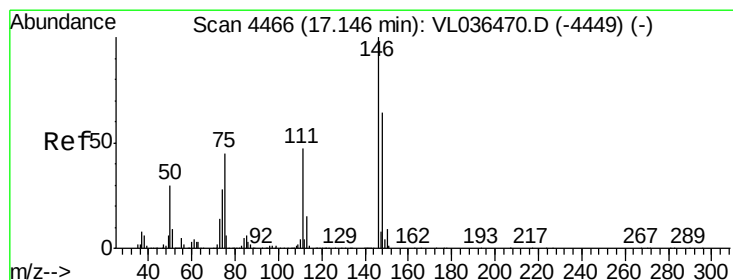
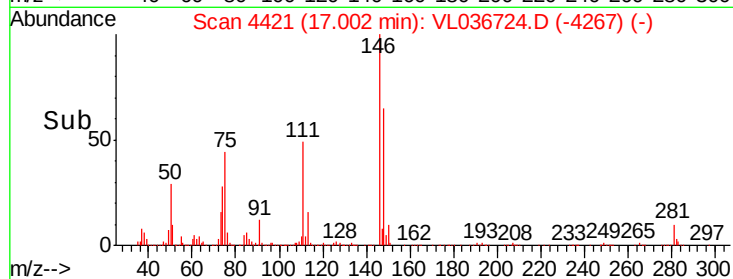
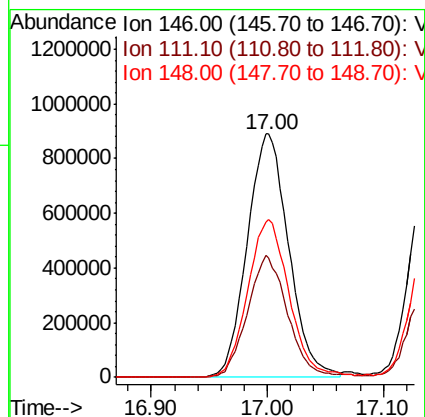
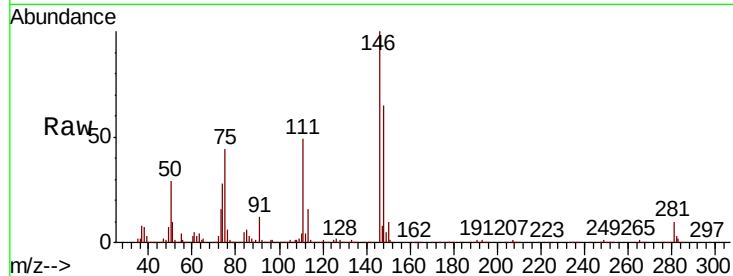




#75
 1,3-Dichlorobenzene
 Concen: 8.111 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

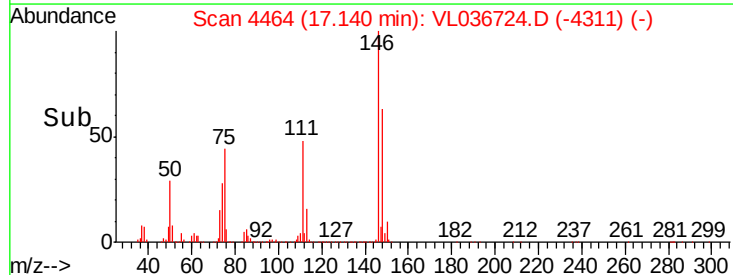
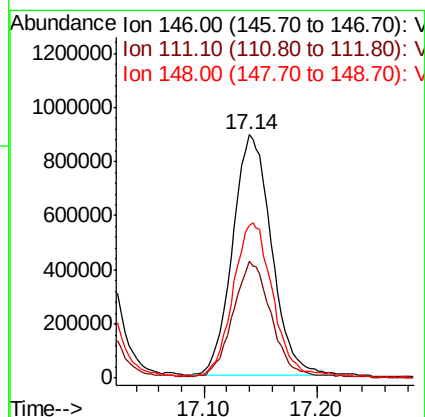
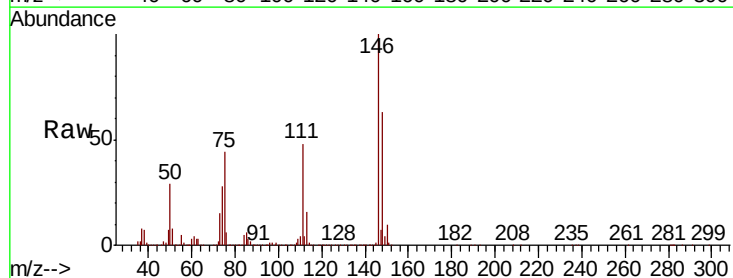
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

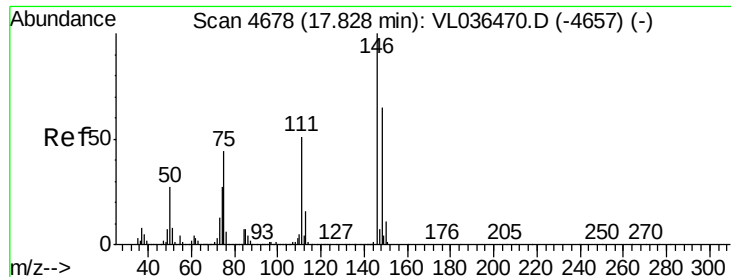
Tot Ion:146 Resp: 2211626
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.5 73.5
 148 65.0 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 7.853 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion:146 Resp: 2126242
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.3 72.8
 148 66.6 33.0 98.9

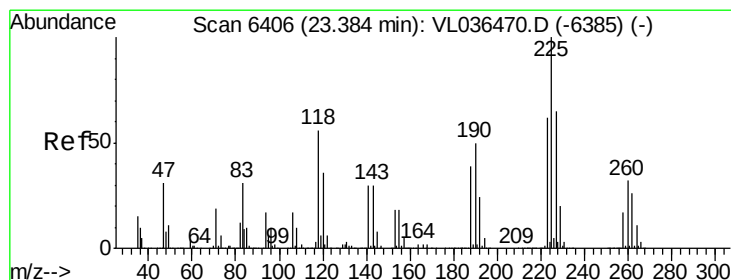
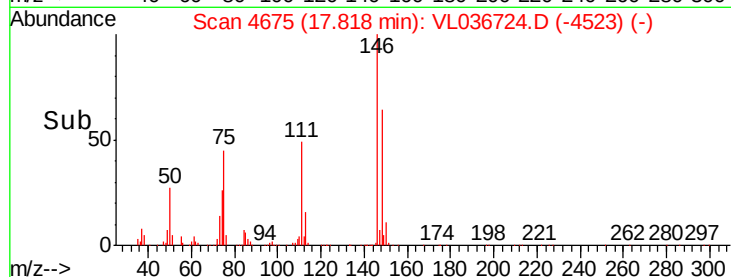
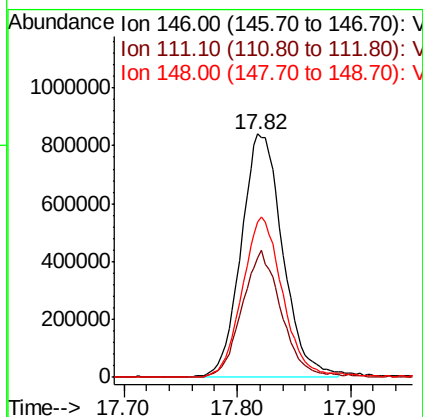
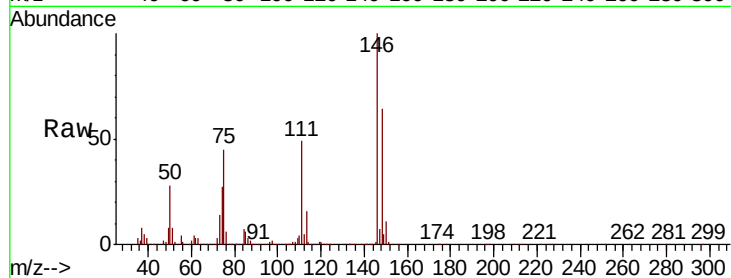




#77
 1,2-Dichlorobenzene
 Concen: 8.325 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

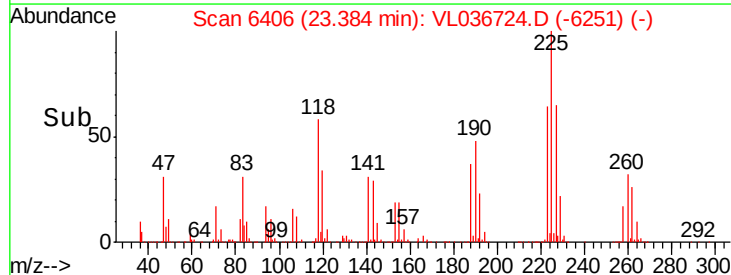
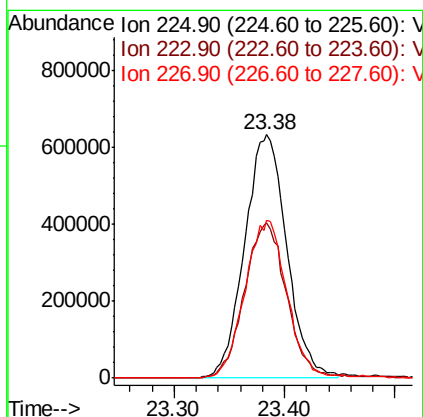
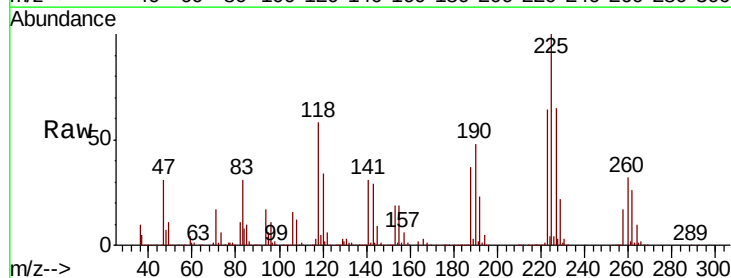
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

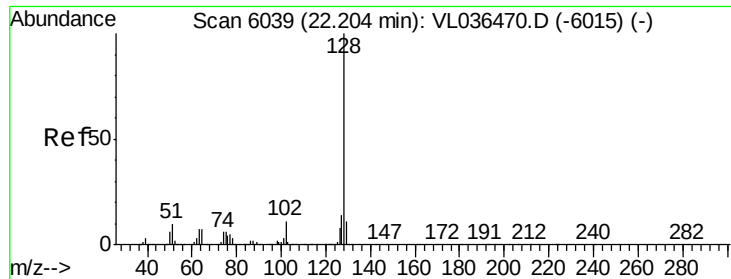
Tot Ion:146 Resp: 2133964
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.5 76.5
 148 65.1 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.325 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion:225 Resp: 1681418
 Ion Ratio Lower Upper
 225 100
 223 64.4 50.6 75.8
 227 65.1 52.2 78.2

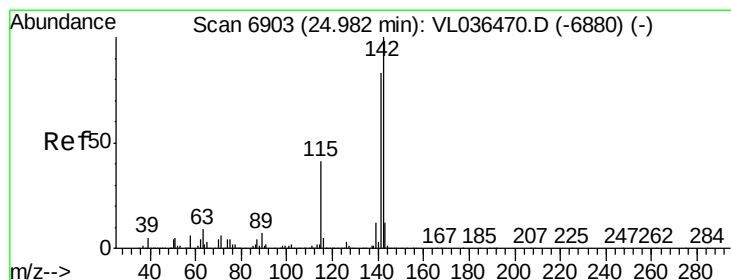
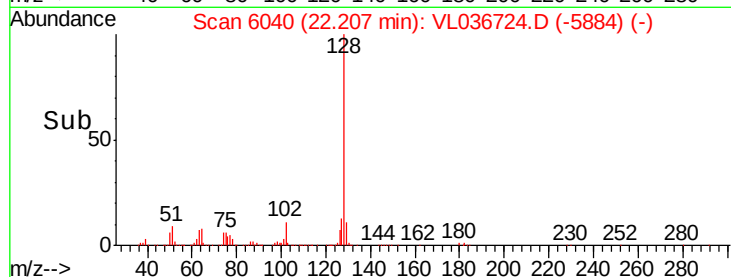
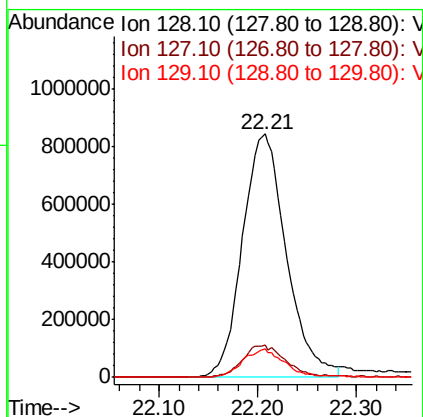
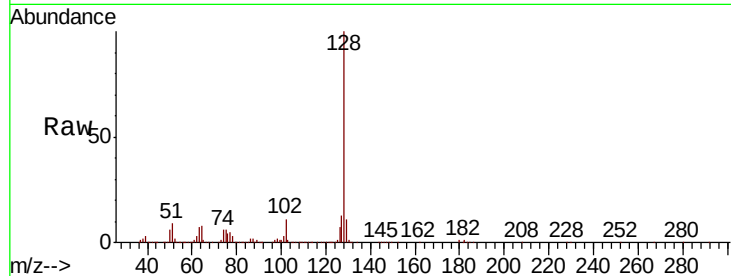




#79
Naphthalene
Concen: 9.169 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. 0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

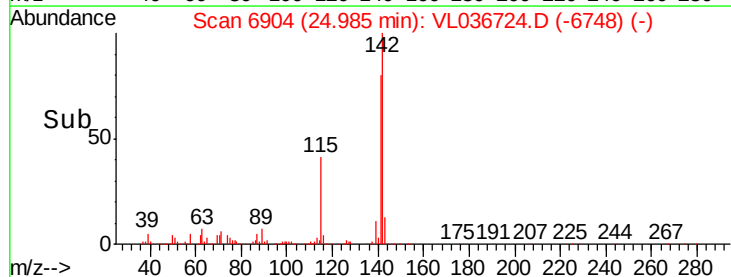
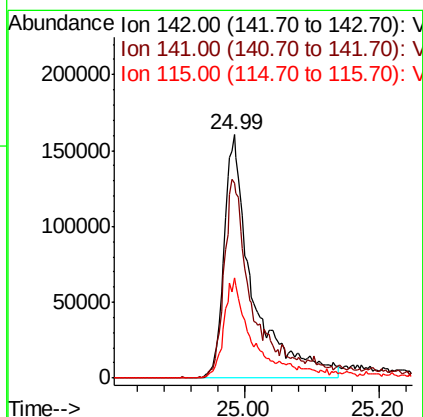
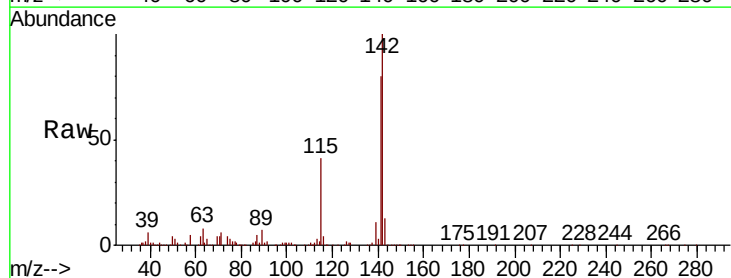
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

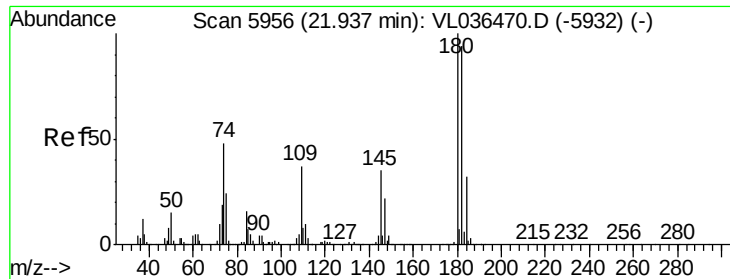
Tot Ion:128 Resp: 2592094
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 11.5 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 8.592 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion:142 Resp: 478964
Ion Ratio Lower Upper
142 100
141 90.2 67.8 101.8
115 44.2 34.0 51.0

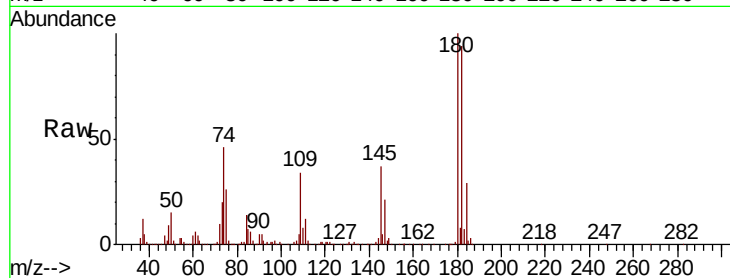




#81
 1,2,4-Trichlorobenzene
 Concen: 4.424 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 772122
 Ion Ratio Lower Upper
 180 100
 182 0.0 80.8 121.2#
 184 0.0 25.0 37.4#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

